



Geotechnical Engineering Report
New Orleans Landbridge Shoreline Stabilization and
Marsh Creation Project (PO-169)
Orleans Parish, Louisiana
S&ME Project No. 458517006

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May 4, 2018

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May 4, 2018

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Attention: Mr. Gary J. Leonards, P.E.

Reference: **Geotechnical Engineering Report**
New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project (PO-169)
Orleans Parish, Louisiana
S&ME Project No. 458517006

Dear Mr. Leonards:

S&ME, Inc. (S&ME) has prepared this geotechnical engineering report (GER) for the New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project (PO-169) in Orleans Parish, Louisiana. Our services were provided pursuant to S&ME's proposal dated March 22, 2017 and updated budget provided to Providence Engineering and Environmental Services LLC (Providence Engineering) on August 16, 2017, as authorized by the Coastal Protection and Restoration Authority (CPRA) under the CPRA and Providence Engineering, General Engineering Services for CPRA Projects, Contract No. 4400012427, dated September 1, 2017, Task #1. The purpose of our services was to explore the subsurface conditions for the PO-169 project and provide geotechnical engineering recommendations for shoreline stabilization and marsh creation design. This GER presents our understanding of the project, subsurface conditions, wave modelling, engineering analyses and recommendations. A Geotechnical Investigation Data Report (GIDR) for the project was submitted to Providence Engineering and CPRA on October 24, 2017.

S&ME appreciates the opportunity to be of service to Providence Engineering and CPRA. Please contact us if you have any questions.

Sincerely,

S&ME, Inc.

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Appendix II – GRR Breakwater and ECD Slope Stability and Bearing Capacity

Appendix III – GRR Breakwater and ECD Settlement

Appendix IV – Marsh Fill Settlement

Appendix V – Cut-to-Fill Ratio and Wave Modelling

Appendix VI – Perimeter Dike Proposed Construction Sequence



1.0 Project Information

As shown in Figure I-1 in Appendix I, the New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project flanks U.S. Highway 90 along the east shore of Lake Pontchartrain and areas surrounding Lake St. Catherine. It is located in Region 1, Pontchartrain Basin, Orleans Parish, Louisiana.

Approximately 169 acres of marsh will be created and an additional 109 acres nourished using borrow material dredged from areas within Lakes Pontchartrain and St. Catherine. Earthen containment dikes (ECD) will be constructed around four separate marsh creation areas (Cell 1 through Cell 4) to retain sediment during placement of hydraulically dredged borrow material as marsh fill. To add additional protection from wind induced wave fetch in Lakes Pontchartrain and St. Catherine, the ECDs may be enhanced with a dike armoring feature consisting of either an articulated concrete block mattress (ABCM) revetment or graded riprap (GRR) breakwater. No water control structures are currently planned for the project.

All vertical elevations in this report are referenced in feet to the North American Vertical Datum of 1988 (NAVD88), Geoid 12A. The horizontal datum is NAD83 State Plane, U.S. Feet.

2.0 Geology

Based on the U.S. Army Corps of Engineers (USACE), Geological Investigation, Mississippi River Deltaic Plain (Figure I-2 in Appendix I), the proposed borrow and marsh creation areas are generally covered with Holocene age deposits underlain by Pleistocene age deposits. Holocene age deposits include the marsh deposits and interdistributary deposits. Holocene age deposits are geologically newer deposits that are typically gray in color and very soft to medium stiff in consistency or have very loose to loose relative density. Pleistocene age deposits are typically oxidized and stronger soils. As shown in Figure I-2 in Appendix I, the top of Pleistocene surface contours are at elevation (El.) -25 feet in the project area. Based on field exploration completed for the project, it appears that the top of Pleistocene deposits vary from approximately El. -16 to -29 feet. The Pleistocene age deposits typically consisted of clay, silty clay and sand. The field explorations in the project area are generally consistent with the mapped geology in the project area.

3.0 Site and Subsurface Soil Conditions

3.1 Site Conditions

As shown in Figure I-2 in Appendix I, the project area has experienced considerable land loss within a short timeframe from 1998 through 2017. At the time of the July 2017 field exploration, the project area was predominantly open water with areas of emergent marsh. During the reconnaissance site visit, S&ME observed a delineation adjacent to U.S. Highway 90 between higher elevation, fresh water vegetation and lower elevation, salt/brackish water vegetation species. S&ME also observed a variation in the vegetation from south to north along the proposed marsh creation cell adjacent to Lake Pontchartrain. In the remaining proposed cells, the vegetation was predominantly salt/brackish water vegetation. Based on survey information provided to S&ME and



measurements at the field exploration locations, the water depth typically varied from 1.3 feet to 4.6 feet within the marsh creation areas and from 5.6 to 16 feet in the borrow areas.

Based on information provided by CPRA and that available on the National Pipeline Mapping System public viewer site, there are no known pipelines identified in the proposed marsh creation areas and/or borrow areas. However, we recommend CPRA complete a thorough utility search in the area prior to the final engineering design.

3.2 Subsurface Soil Conditions

The field exploration test locations completed for the project are shown on Figure I-3 in Appendix I. The exploration results are summarized on Subsurface Profiles (Figures I-4A through I-4F) in Appendix I. Subsurface profiles A-A' through F-F' represent S&ME's interpretation of the field logs, soil boring logs and laboratory data. Soil layers beyond the depth and location of the soil borings may vary from the soil encountered and tested. Based on field exploration and laboratory testing results, generalized subsurface soil conditions and their pertinent characteristics are discussed in the following paragraphs. Soil parameters plots showing variation with depth of moisture content, total unit weight and undrained shear strength were developed for the project and are presented as Figures I-5A through I-5X in Appendix I. Plots showing variation of over-consolidation ratio, dry unit weight, compression index and void ratio with elevation are also shown in Figure I-6 in Appendix I. The individual exploration logs and laboratory test results were included in our October 24, 2017 GIDR.

3.2.1 Marsh Creation/Restoration Areas

Cell 1: (Field Explorations C-1 through C-6, B-7 and B-8; Cross-Section A-A')

All field explorations in Cell 1 except B-7 initially encountered marsh deposits to a depth varying from approximately 10 to 11 feet below existing mudline, beneath which interdistributary deposits were encountered to a depth varying from 13.5 feet to 20 feet below existing mudline. Beneath the interdistributary deposits, Pleistocene age deposits were encountered to the respective field exploration completion depths at all locations. At B-7 marsh deposits were encountered to a depth of 16 feet below existing mudline, beneath which Pleistocene deposits were encountered to the boring completion depth of 30 feet below existing mudline. Marsh deposits predominantly consisted of very soft to soft organic clay, silty clay and clay. Interdistributary deposits predominantly consisted of soft to medium silty clay and clayey silt. Pleistocene deposits predominantly consisted of medium stiff to stiff, silty clay, and clay or loose to dense sand.

Cell 2: (Field Explorations C-7 through C-13, B-9 through B-11; Cross-Section B-B')

Field explorations in Cell 2 encountered marsh deposits from the existing mudline to a depth varying from approximately 10 to 17 feet below the existing mudline, beneath which interdistributary deposits were encountered to a depth varying from 16 to 25 feet below the existing mudline. Beneath the interdistributary deposits, Pleistocene age deposits were encountered to the respective field exploration depths at all locations besides C-10 and C-11, which hit refusal before reaching Pleistocene. Marsh deposits consisted primarily of very soft to soft clay, organic clay, and silty clay. Interdistributary deposits consisted primarily of soft to stiff clay, and



loose to medium dense sand and silty sand. Pleistocene deposits consisted primarily of medium to very stiff clay and silty clay, and loose to dense sand.

Cell 3: (Field Exploration B-19; Cross-Section C-C')

Marsh creation Cell 3 consisted of a single soil boring, B-19. Marsh deposits were encountered from the existing mudline down to a depth of approximately 25 feet below the existing mudline, beneath which Pleistocene age deposits were encountered to the termination of the boring at 30 feet below the existing mudline. Marsh deposits consisted primarily of very soft to soft clay and the Pleistocene deposits consisted primarily of medium stiff clay.

Cell 4: (Field Explorations C-14 through C-20, B-17 and B-18; Cross-Section D-D')

All field explorations in marsh creation Cell 4 initially encountered marsh deposits to a depth varying from approximately 14 to 19 feet below the existing mudline. Beneath the marsh deposits, interdistributary deposits were encountered to a depth varying from 19 to 24 feet below the existing mudline. Beneath the interdistributary deposits, Pleistocene age deposits were encountered to the termination of the respective field exploration depths at all locations except C-19, which hit refusal before reaching Pleistocene. Marsh deposits consisted primarily of very soft to soft organic clay and clay. The interdistributary deposits consisted primarily of medium to stiff clay, silty clay and clayey silt. Pleistocene deposits consisted primarily of medium to stiff clay and loose to dense sand.

3.2.2 Borrow Areas

Borrow Area 1: (Field Explorations B-1, B-2 and B-3; Cross-Section E-E')

Based on borrow area 1 soil borings, the subsurface profile varies across the boring locations. In general, soil borings B-2 and B-3 encountered more granular deposits than B-1. Pleistocene age deposits were not encountered at soil borings B-1, B-2 and B-3 within the depth explored at each location. The Holocene age deposits predominantly consisted of clayey sand, silty sand, sandy silt, silt, and very soft clay.

Borrow Area 2: (Field Explorations B-4, B-5 and B-6; Cross-Section F-F')

Based on borrow area 2 soil borings, the subsurface profile generally shows clay as the primary material from the existing mudline down to the respective boring termination depths. Marsh deposits were encountered down to a depth varying from 11 to 16 feet below the existing mudline. Beneath the marsh deposits, Pleistocene age deposits were encountered down to the respective boring termination depths. The Marsh deposits consisted primarily of very soft clay while the Pleistocene deposits consisted primarily of soft to medium clay.

Borrow Area 3: (Field Exploration B-20; Cross-Section C-C')

Borrow area 3 consisted of a single boring, B-20. The subsurface generally shows clay as the predominant material from the existing mudline down to the boring termination at 20 feet below the existing mudline. Pleistocene age deposits were not encountered within the exploration depth at boring B-20. Holocene age deposits consisted primarily of very soft clay with traces of organics in the top 6 feet.



4.0 Conclusions and Recommendations

The project includes four marsh creation cells and three borrow areas for marsh fill material within Lakes Pontchartrain and St. Catherine. Based on field investigation and laboratory testing results, the proposed marsh creation areas are generally suitable for the proposed ECD construction, and placement of hydraulically dredged borrow material. Based on subsurface soil conditions in marsh creation areas, Cells 1 and 3 have relatively better soil conditions than those encountered in Cells 2 and 4.

4.1 Wave Modelling

Wave modelling completed by Mott MacDonald indicated that the significant wave height for a wind speed with a return period of 5 years was 4.4 feet in Cell 1, 2.6 feet in Cell 2 and 2.5 feet in Cells 3 and 4. Their technical memo dated April 11, 2018 for the wave modelling is included in Appendix V.

4.2 Alternatives Overview

S&ME completed slope stability analyses on various ECD sections for each of the proposed marsh creation areas. As the project evolved, S&ME collaborated with CPRA on evaluating various alternatives for containment of the marsh fill taking in to account the soil conditions, wave intensity in Lakes Pontchartrain and St. Catherine, and the estimated settlement of the hydraulically dredged borrow material placed as marsh fill within each marsh creation cell. These alternatives included:

- ◆ Construction of ECDs using borrow material from within the marsh creation areas excavated with a tracked-amphibious excavator;
- ◆ Construction of ECDs using borrow material outside the marsh creation areas mechanically dredged from a flotation channel in Lakes Pontchartrain and St. Catherine with clamshell or dragline equipment;
- ◆ Supplemental GRR breakwater for protection against waves during and after construction of the ECDs and placement of marsh fill; and
- ◆ ECDs with geogrid reinforcement at mudline or within the dike and articulated concrete block mattress (ACBM) dike armoring for protection against waves.

The main objective of the alternative evaluation was to determine an effective marsh fill containment system (in terms of construction cost and performance) with a crest height sufficient for the wave climate present in the project area, with an appropriate factor of safety for both internal and foundation soil stability, and with sufficient erosion resistance.

One favorable aspect of the project is that the subsurface soil conditions in Cell 1 happen to have relatively better foundation soil, but Cell 1 is exposed to the relatively more severe wave climate. Some of the challenges identified during the alternative evaluation consisted of the following:

- ◆ Subsurface soil conditions in Cells 2 and 4 limit the crest that can be achieved for the ECDs;
- ◆ Foundation soils at Cells 2 and 4 do not have sufficient strength to support a conventional GRR breakwater without the significant expense associated with a lightweight aggregate (LWA) core component and geogrid;



- ◆ Although an ACBM armoring feature places less overburden stress on foundation soils than a conventional GRR breakwater feature, it is unproven when installed over soft sediments in high wave intensity areas; and
- ◆ Borrow areas contain a mixture of sand, silt and clay material which have different flowability characteristics when hydraulically dredged and placed.

Our geotechnical recommendations regarding ECD stability, and settlement of the dike/marsh foundation soil and hydraulically dredged borrow material placed as marsh fill are presented in the following sections. The conclusions and recommendations contained herein are based on the field explorations, laboratory testing, and wave modelling completed for the project. Variations may occur and should be expected between field exploration locations. The geotechnical engineer should be consulted regarding the composition and consistency of the material being dredged and placed should variations be observed during construction or if additional subsurface information becomes available during the design phase.

4.3 GRR Breakwater and ECD Slope Stability and Bearing Capacity

S&ME completed slope stability analyses on various ECD sections for each of the proposed marsh creation areas. Efforts were made to optimize the dike dimensions to minimize intermediate handling of the material using a tracked-amphibious excavator. In soft soil conditions, it is very important not to disturb the foundation soils with construction equipment. Repeated movement of construction equipment over the proposed ECD alignment can lead to dike failure. Table 4.3-1 provides a summary of our recommendations for the GRR breakwater and ECD sections for each cell.

Table 4.3-1, Summary Table for Recommended GRR Breakwater and ECD Sections

Location	Feature	Estimated End of Construction Fill Elevation (feet)	Recommended Crest Elevation (feet)	Side Slopes	Assumed Mudline Elevation (feet)	Geogrid Elevation (feet)
Cell 1	GRR Breakwater	Not Applicable	+3.5 ⁽¹⁾	2.5H:1V	-1.5	-1.5
Cell 1	ECD	+2.5	+3.5	4H:1V	-1.5	Not Required
Cell 2 ⁽³⁾	Fortified ECD	+2.0	+3.0	4H:1V	-1.5	-1.5
Cell 3 ⁽²⁾	ECD	+2.0	+3.0	4H:1V	-1.5	Not Required
Cell 4 ⁽³⁾	Fortified ECD	+2.5	+3.5	5H:1V	-1.5	-1.5

⁽¹⁾ May be adjusted to suit acceptable wave overtopping and factor of safety limitations

⁽²⁾ GRR breakwater or fortified ECD is not required for Cell 3

⁽³⁾ GRR breakwater is not recommended for Cells 2 and 4 due to factor of safety limitations

Note: Refer to Appendix II for other ECD configurations



The computer software Slide¹ was used for our limit equilibrium analyses. Slope stability was evaluated using the Spencer limit equilibrium method. The Spencer method satisfies both force and moment equilibrium, but it assumes the forces between slices as parallel about the same slice, with the angle of inter-slice force inclination included as one of the unknowns in the equation. This method of addressing the forces between slices is considered to be the most reasonable.

The inputs and results of our analyses for GRR breakwaters and ECDs (including options for ACBM fortification) for each marsh creation cell are presented in Appendix II. Factors of safety of 1.2 and 1.5, for slope stability and bearing capacity, respectively are considered acceptable based on similar projects completed in coastal Louisiana. Nonetheless, based on project knowledge shared by CPRA in the region for on-going and completed projects, mud waves and localized bearing capacity failures may occur, potentially requiring some maintenance fill placement and/or grading during construction. Areas of very soft soil are likely to be encountered during dike construction, where multiple lifts/passes may be required to achieve the desired crest height.

4.4 GRR Breakwater and ECD Settlement

S&ME evaluated settlement for the recommended ECD sections presented in Table 4.3-1. ECDs are assumed to be constructed in at least two lifts and the maximum crest elevation for the each lift should take into consideration the stability of the dike based on recommendations provided in Section 4.3. Maximum height of the final lift should be limited such that the crest elevation is less than or equal to the recommended crest elevation in Table 4.3-1. Tables 4.4-1 through 4.4-5 below provide settlement for the GRR breakwater, fortified ECD, and ECD based on analyses at various soil boring locations within each marsh creation cell. Charts showing settlement of ECDs for elevations +4.5, +4, +3.5, +3.0 and +2.5 feet are provided in Appendix III for each marsh creation cell. Charts showing settlement of GRR breakwater for Cell 1 for elevations +4.5, +4, +3.5, +3.0 and +2.5 are also provided in Appendix III.

As shown in Tables 4.4-1 through 4.4-5, the design team should take into consideration the immediate or elastic construction settlement and settlement of the dike due to soil shrinkage. For saturated clay soils, immediate settlement is relatively low as the permeability is typically low. Moreover, it is difficult to distinguish immediate or elastic settlement from consolidation settlement during construction. Hence, estimated construction settlement is given in the tables that is inclusive of consolidation settlement and immediate or elastic settlement during construction. Construction settlement will be offset by fill placement during construction and is not likely to be easily observed. It will, however, increase the fill quantity required to reach the specified elevation and should be considered for fill quantity estimates.

Shrinkage of an ECD is a function of many variables including but not limited to weather conditions, construction methods, type of fill placed, and water level in the area. Based on laboratory experiments completed by Venu Tammineni for various soil in coastal Louisiana, we have estimated shrinkage settlement as 10% of the ECD height above the design water level. (For example, if the water level is at +0.5 feet and the specified elevation of the ECD is +3.5 feet, the estimated shrinkage based on in-situ soil is $(3.5-0.5)*0.1 = 0.3$ feet).

¹ Slide version 7.031 by Rocscience.

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The tables below provide estimated settlement within each marsh creation cell at the soil boring locations for the recommended GRR breakwater and ECD crest elevations.

Table 4.4-1, GRR Breakwater Settlement, Cell 1 EOC El. +3.5 feet

Location	Approximate Construction Settlement (feet)	Approximate Shrinkage Settlement (feet)	Consolidation Settlement (feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
B-7	0.56	Not Applicable	0.32	0.45	0.61	0.67	0.69	0.69	0.69
B-8	0.55	Not Applicable	0.33	0.46	0.63	0.70	0.75	0.75	0.75

Table 4.4-2, ECD Settlement, Cell 1 EOC El. +3.5 feet

Location	Approximate Construction Settlement (feet)	Approximate Shrinkage Settlement (feet)	Consolidation Settlement (feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
B-7	0.41	0.30	0.23	0.32	0.43	0.46	0.48	0.48	0.48
B-8	0.40	0.30	0.24	0.33	0.45	0.49	0.51	0.52	0.52

Note: Settlement is based on soil boring data. Few CPTs in Cell 1 showed relatively weaker soil profile when compared to soil borings. Additional settlement in those areas could be higher than that reported in Table 4.4-2.

Table 4.4-3, Fortified (ACBM) ECD Settlement, Cell 2 EOC El. +3.0 feet

Location	Approximate Construction Settlement (feet)	Approximate Shrinkage Settlement (feet)	Consolidation Settlement (feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
B-9	0.11	0.25	0.11	0.14	0.19	0.20	0.20	0.20	0.20
B-10	0.39	0.25	0.23	0.34	0.51	0.58	0.61	0.61	0.61
B-11	0.30	0.25	0.31	0.40	0.50	0.53	0.55	0.56	0.56

Note: Settlement is based on soil boring data. Few CPTs in Cell 2 showed relatively weaker soil profile when compared to soil borings. Additional settlement in those areas could be higher than that reported in Table 4.4-3.

Table 4.4-4, ECD Settlement, Cell 3 EOC El. +3.0 feet

Location	Approximate Construction Settlement (feet)	Approximate Shrinkage Settlement (feet)	Consolidation Settlement (feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
B-19	0.28	0.25	0.16	0.20	0.26	0.27	0.27	0.27	0.27



Table 4.4-5, Fortified (ACBM) ECD Settlement, Cell 4 EOC El. +3.5 feet

Location	Approximate Construction Settlement (feet)	Approximate Shrinkage Settlement (feet)	Consolidation Settlement (feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
B-17	0.32	0.30	0.24	0.35	0.53	0.63	0.71	0.71	0.71
B-18	0.33	0.30	0.32	0.45	0.62	0.67	0.68	0.68	0.68

Note: Settlement is based on soil boring data. Few CPTs in Cell 4 showed relatively weaker soil profile when compared to soil borings. Additional settlement in those areas could be higher than that reported in Table 4.4-5.

4.5 Marsh Settlement

Based on our discussion with CPRA, a marsh target elevation is planned such that the marsh is within the intertidal zone for a majority of the time within the design life of 20 years from EOC. A construction time of 30 days is assumed for hydraulically dredged marsh fill placement in each marsh creation cell. Based on data provided by CPRA, a water elevation of +0.5 feet was considered in the marsh settlement analyses. The magnitude and rate of settlement with time is a function of multiple variables including type of hydraulically dredged borrow material (which is typically a mixture of clay, silt, and sand), rate of fill placement, compressibility and permeability of the marsh fill material and foundation soils, existing marsh mudline elevation, thickness of the compressible foundation soils, water elevation, fill elevation, relative sea level rise, etc.

The compressibility and permeability of the fine grained soil in the borrow area was estimated based on specialized testing including column settling and low-stress consolidation tests completed on borrow area composite soil samples. Based on a review of the soil boring information in the borrow areas, S&ME and CPRA determined that the soil conditions in Lake Pontchartrain were considerably different than those tested in Lake St. Catherine. S&ME prepared one composite sample from soil borings B-1, B-2 and B-3 (from Lake Pontchartrain) and one composite sample from soil borings B-4, B-5 and B-6 (from Lake St. Catherine). The index properties and soil gradation of the composite soil samples tested immediately after preparing the composite samples were as follows:

Table 4.5-1, Composite Soil Properties Prior to Column Settling Test

Soil Composite*	Moisture Content (percent)	Liquid Limit (percent)	Plastic Limit (percent)	Silt (percent)	Clay (percent)	Sand (percent)
B123 included soil samples from soil borings B-1, B-2 and B-3	53	50	18	44.8	11.3	43.9
B456 included soil samples from soil borings B-4, B-5 and B-6	62	61	20	57.5	25.8	16.7

* See column settling test and low-stress consolidation test reports in Appendix IV for composite sample preparation.

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As part of the column settling test, fine-grained fraction of sediments are obtained from the composite sample by thoroughly mixing the slurry and allowing coarse grained materials (granular soil) to separate by differential settling as described in the USACE Manual No. 1110-2-5027. The index properties and soil gradation properties of the fine-grained sediments slurry used for column settling test are given in the table below:

Table 4.5-2, Composite Soil Properties Post Column Settling Test

Soil Composite	Moisture Content (percent)	Liquid Limit (percent)	Plastic Limit (percent)	Silt (percent)	Clay (percent)	Sand (percent)
B123	199.6	64	24	83.2	13.5	3.3
B456	158.2	67	24	25.7	72.5	1.8

As seen in Tables 4.5-1 and 4.5-2, more than 90 percent of the sand is separated prior to pouring the composite sample slurry into the settling column. Hence, the test provides an estimation of the behavior of the fine-grained soil for different initial concentrations tested. At the end of the column settling tests, soil was collected in to a separate container, and re-mixed. A portion of this soil was used for completing low-stress consolidation tests. Based on low-stress consolidation test results and column settling tests, void ratio at zero effective stress and compression index of fine grained dredged fill soil were estimated and are summarized in Table 4.5-3 below. Reports for column settling and low-stress consolidation tests are provided in S&ME GIDR dated October 24, 2017 and also in Appendix IV of the GER.

Table 4.5-3, Summary of Borrow Area Composite Soil Parameters

Layer	Parameter	Design Values
Borrow Area 1 (Lake Pontchartrain) Composite Soil (B123)	C_c	1.22
	G_s	2.69
	e_{00}	10.61
Borrow Area 2 (Lake St. Catherine) Composite Soil (B456)	C_c	0.85
	G_s	2.68
	e_{00}	6.25

C_c = compression index

G_s = specific gravity

e_{00} = void ratio at zero effective stress

Based on survey data provided by CPRA, an average mudline elevation was assumed for each marsh creation cell as shown in the Table 4.5-4 below.

Table 4.5-4, Average Mudline Elevation

Location	Assumed Average Mudline Elevation for Marsh Fill Settlement Estimation (feet)
Cell 1	-1.5
Cell 2	-0.75
Cell 3	-0.75
Cell 4	-0.75

We analyzed settlement of the proposed hydraulically dredged and placed fill using the USACE Primary Consolidation, Secondary Compression, and Desiccation of Dredged Fill (PSDDF) software. The PSDDF software considers primary consolidation settlement of dredged fill, secondary compression of dredged fill, and desiccation of the dredged fill material when placed on an incompressible foundation. Foundation soil settlement was analyzed using the Settle3D² program and the two settlements were matched at various time intervals in Microsoft excel spreadsheets. The settlement calculations are an iterative process and require the stress at various time intervals to be recalculated based on hydraulic fill settlement and the foundation soil settlement at a particular time interval. Inputs and outputs for settlement calculations are provided in Appendix IV.

For analyses purposes, S&ME generally grouped soil in to two types of material (Type I and Type II) based on their anticipated behavior during dredging operations. Table 4.5-5 summarizes the Type I and Type II material.

Table 4.5-5, Dredge Material Type

Material Designation	Material Type Includes Following Soil
Type I	Sand, silty sand, clayey sand and any soft to stiff clay balls
Type II	Clay, silty clay, clayey silt and silt

Type I material includes soil that is less flowable when hydraulically dredged and placed, and will settle relatively quickly from the end of the dredge discharge pipe. Thus, more frequent movements of the discharge pipe outfall location within the marsh creation areas or other mechanical means will be necessary to properly distribute the Type I material across the placement areas. Type II material includes soil that is more flowable when hydraulically dredged and placed, and tends to flow further from the end of the dredge discharge pipe and self-distribute via gravity across the placement areas. Specialized testing including column settling and low-stress consolidation test were completed on Type II material.

Data from representative soil borings (B-7, B-10, B-17 and B-19) within each marsh creation cell was used in the hydraulically dredged marsh fill settlement analyses calculations. Based on our analyses the major portion of settlement appears to be from consolidation, compression, and desiccation of the hydraulically dredged marsh fill.

² Settle3D version 4.014 by Rocscience

Geotechnical Engineering Report

New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project (PO-169)

Orleans Parish, Louisiana

S&ME Project No. 458517006



Charts 4.5-1, 4.5-2, 4.5-3 and 4.5-4 below show the rate of settlement with time for Type I and Type II material when hydraulically dredged and placed in the marsh creation areas to match EOC fill elevations of El. +4.5, +3.5 and +2.5 feet. The rate of settlement with time for intermediate EOC fill elevations (+4.5 feet and +3.0 feet) can be interpolated. The settlement shown in the charts includes self-weight consolidation and desiccation of the fill and foundation soil settlement. It is difficult to distinguish immediate or elastic settlement from consolidation settlement during construction. Tables 4.5-6 through 4.5-9 include our estimates for construction settlement for each marsh creation cell. A sufficient volume of fill should be placed to offset construction settlement and achieve the desired long-term elevation level. This may increase the fill quantity required to reach a specified elevation and should be considered for fill quantity estimates.

Chart 4.5-1: Rate of Settlement versus Time for Hydraulically-Placed Dredged Material at Cell 1

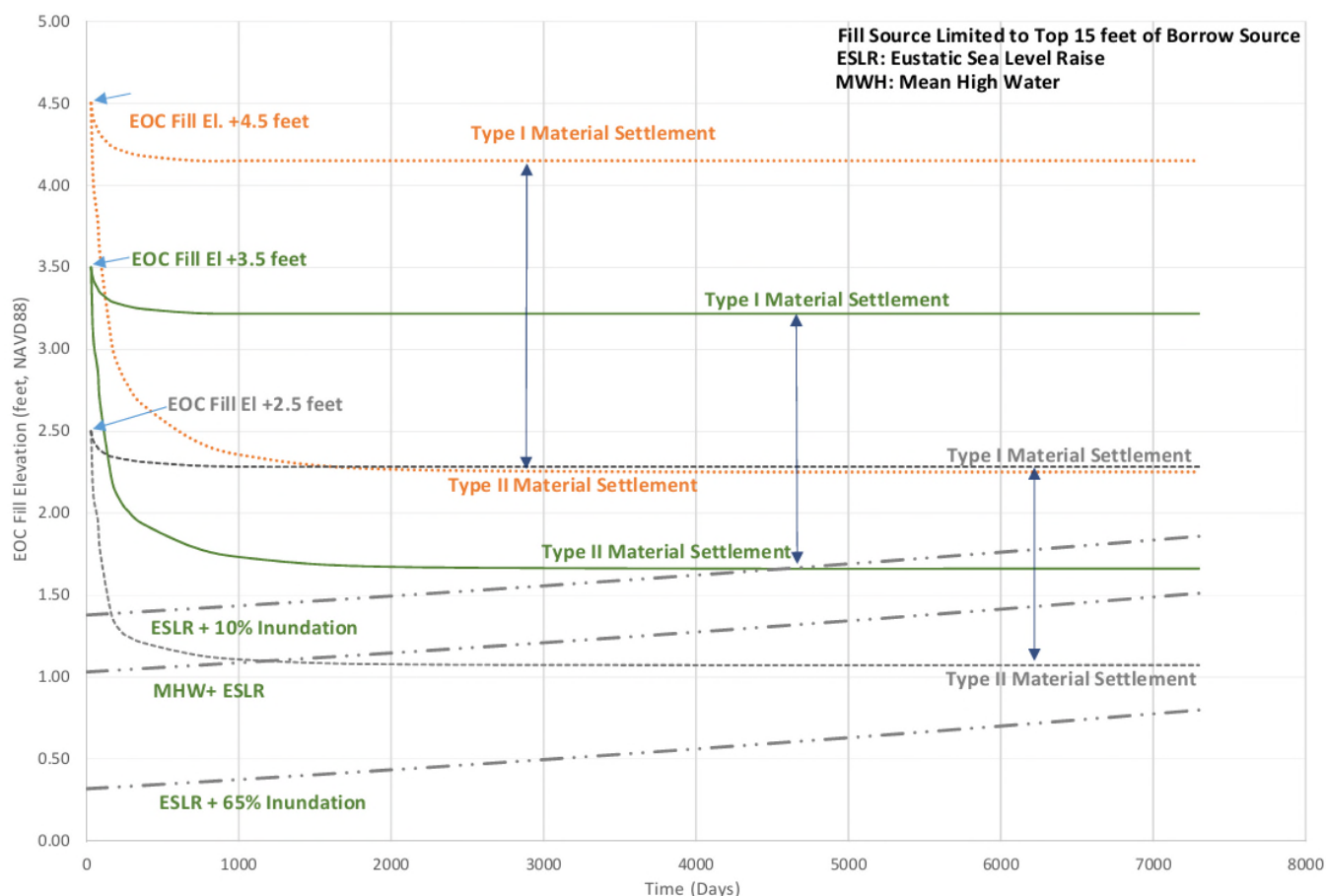


Table 4.5-6, Estimated Construction Settlement Cell 1

Location	General Material Type	Construction Settlement (feet) for Various EOC Fill Elevations		
		EOC El. +4.5 feet	EOC El. +3.5 feet	EOC El. +2.5 feet
Cell 1	Type I	1.06	0.95	0.72
	Type II	0.93	0.86	0.71

Chart 4.5-2: Rate of Settlement versus Time for Hydraulically-Placed Dredged Material at Cell 2

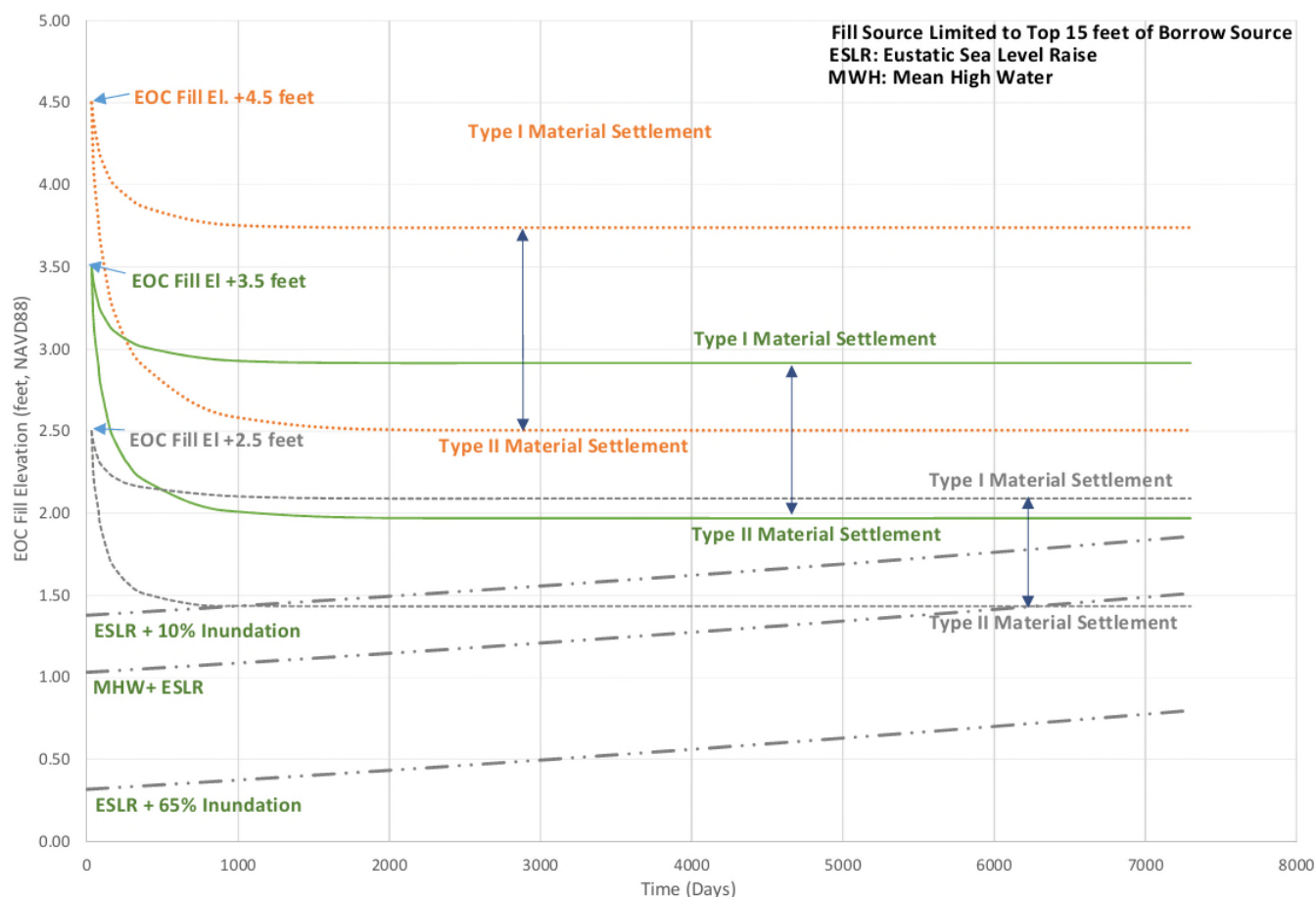


Table 4.5-7, Estimated Construction Settlement Cell 2

Location	General Material Type	Construction Settlement (feet) for Various EOC Fill Elevations		
		EOC El. +4.5 feet	EOC El. +3.5 feet	EOC El. +2.5 feet
Cell 2	Type I	0.82	0.71	0.60
	Type II	0.75	0.67	0.59

Chart 4.5-3: Rate of Settlement versus Time for Hydraulically-Placed Dredged Material at Cell 3

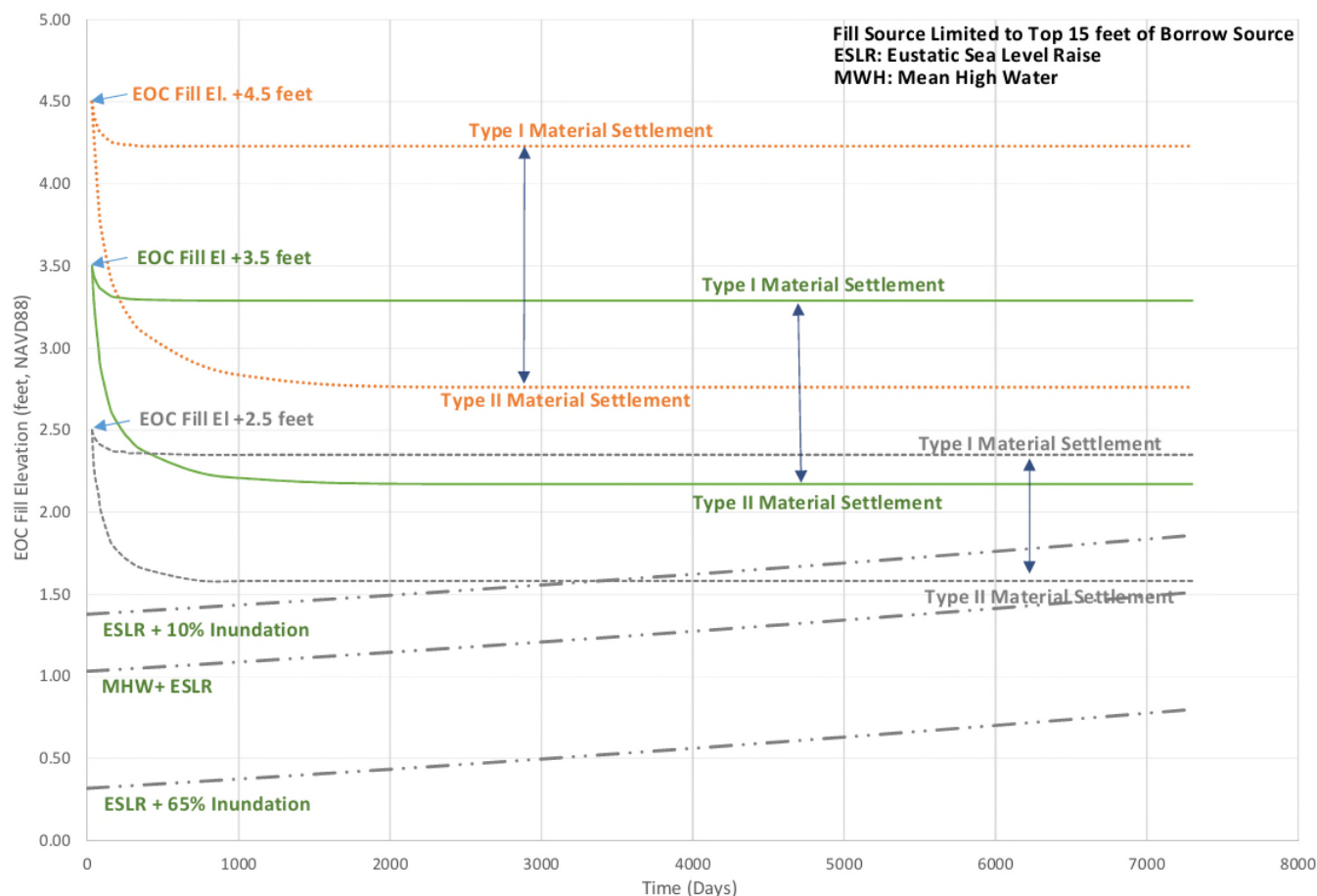


Table 4.5-8, Estimated Construction Settlement Cell 3

Location	General Material Type	Construction Settlement (feet) for Various EOC Fill Elevations		
		EOC El. +4.5 feet	EOC El. +3.5 feet	EOC El. +2.5 feet
Cell 3	Type I	0.70	0.58	0.45
	Type II	0.61	0.53	0.44

Chart 4.5-4: Rate of Settlement versus Time for Hydraulically-Placed Dredged Material at Cell 4

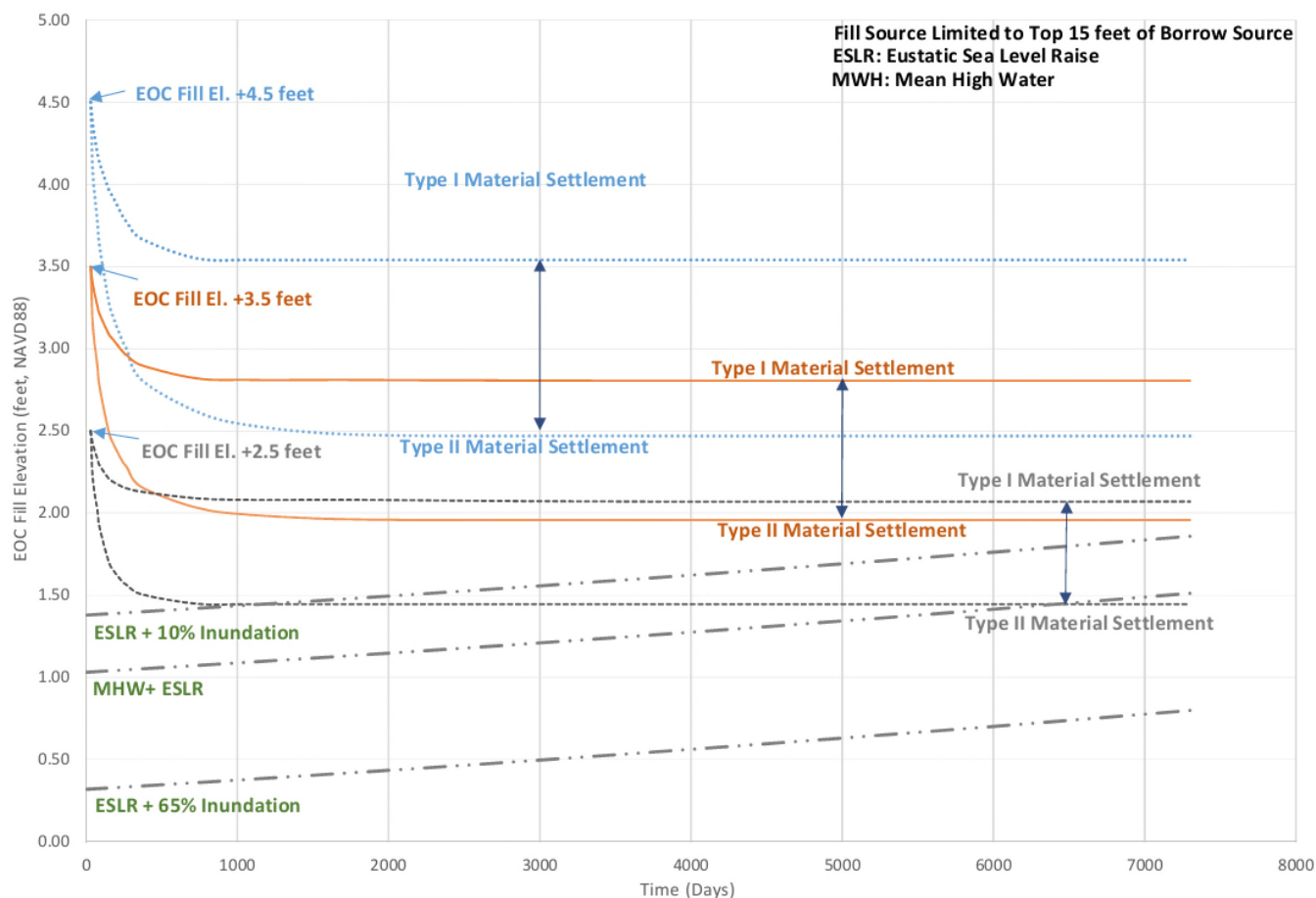


Table 4.5-9, Estimated Construction Settlement Cell 4

Location	General Material Type	Construction Settlement (feet) for Various EOC Fill Elevations		
		EOC El. +4.5 feet	EOC El. +3.5 feet	EOC El. +2.5 feet
Cell 4	Type I	0.90	0.76	0.61
	Type II	0.78	0.68	0.58

4.6 Recommended EOC Hydraulically Dredged and Placed Marsh Fill Elevation

Based on discussion with CPRA, borrow material from borrow area 1 is planned to be hydraulically dredged and placed in marsh creation Cell 1 and material from borrow area 2 is planned for marsh creation Cells 2, 3 and 4. Table 4.6-1 shows S&ME's estimates for the percentage of Type I and Type II material. The table also shows the minimum EOC fill elevation to which the hydraulic fill from specific borrow areas need to be pumped in the marsh creation cells to stay within the intertidal range for majority of the design life of the marsh of 20 years.

Geotechnical Engineering Report

New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project (PO-169)

Orleans Parish, Louisiana

S&ME Project No. 458517006

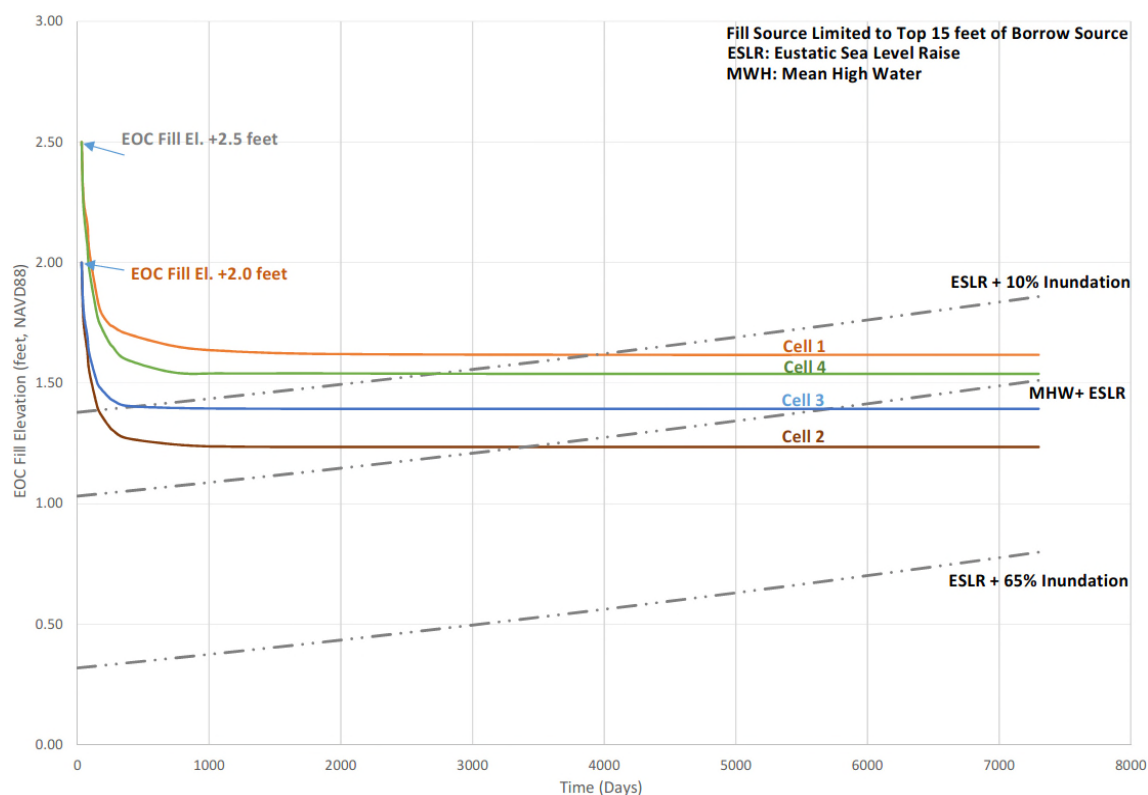


Table 4.6-1, Recommended EOC Fill Elevation

Marsh Creation Area	Borrow Area Location	Approximate Percentage of Type I Material	Approximate Percentage of Type II Material	Recommended EOC Fill Elevation (feet)	Average Existing Mudline Elevation (feet)
Cell 1	Borrow Area 1 (B-1, B-2 and B-3)	45% (predominantly fine sand)	55% (predominantly clay and silt)	+2.5	-1.5
Cell 2	Borrow Area 2 (B-4, B-5 and B-6)	15% (predominantly fine sand)	85% (predominantly clay and silt)	+2.0	-0.75
Cell 3	Borrow Area 2 (B-4, B-5 and B-6)	15% (predominantly fine sand)	85% (predominantly clay and silt)	+2.0	-0.75
Cell 4	Borrow Area 2 (B-4, B-5 and B-6)	15% (predominantly fine sand)	85% (predominantly clay and silt)	+2.5	-0.75

Chart 4.6-1 shows the estimated behavior of hydraulically dredged fill and placed in each marsh creation cell taking in to account the percentage of Type I and Type II material provided in Table 4.6-1.

Chart 4.6-1: Rate of Settlement versus Time in Each Marsh Creation Cell with Material Adjustment



Construction settlement will be offset by fill placement during construction, which may increase the fill quantity required to reach the design elevation and should be considered for fill quantity estimates. Fill placement should be closely monitored and adjusted as necessary to achieve the specified EOC elevation.

5.0 Cut-to-Fill Ratio

5.1 Hydraulically Dredged Material

The cut-to-fill ratio for hydraulically dredged fill is dependent on various factors including construction methods, pumping distance to discharge point in marsh creation areas, and the proportion of Type I and Type II materials in the dredged fill mixture. The cut-to-fill ratio evaluation is based on index properties, low-stress consolidation tests, and column settling test results provided in the GIDR and also included in Appendix IV. It should be noted that the column settling tests completed on B123 and B456 composite soil samples do not take in to account the increase in stress as the water drains out. Based on our analyses provided in Appendix V, the cut-to-fill ratio changes as the water drains out of the dredged fill material and as stress increases in the marsh fill column. The rate at which material settles with increasing stress under its own-weight varies for B123 and B456 composite samples. Based on this information, we estimate cut-to-fill ratios for the hydraulically dredged fill material as listed in Table 5.1-1:

Table 5.1-1, Approximate Cut-to-Fill Ratio

Borrow Area Location	Cut-to-Fill Ratio*	Comments
Borrow Area 1	0.95	100 cubic yards of material cut in the borrow area can fill about 105 cubic yards in the placement area.
Borrow Area 2	0.95	100 cubic yards of material cut in the borrow area can fill about 105 cubic yards in the placement area.

*Cut-to-Fill ratio is defined as the number of cubic yards dredged from the borrow area divided by the number of cubic yards actually placed at the marsh creation areas.

5.2 Mechanically Dredged/Excavated Material

Mechanical dredging/excavation is typically used for construction of the ECDs. For this project a clamshell might be used for ECD construction. The losses associated with construction methods are a result of very soft material flowing off during placement, mudwaving of foundation soil during placement, and the equipment utilized. Losses are typically reduced when larger buckets are used instead of smaller buckets to scoop in-situ material. We recommend using a cut-to-fill ratio of 1.25 for the mechanically dredged/excavated material (1.25 cubic yards of material excavated from the borrow trench fills 1.0 cubic yards in the ECD cross-section).



6.0 Construction Considerations

ECDs must be constructed prior to placement of dredged fill in the marsh creation areas to confine the dredged slurry. Depending on the suitability of in-situ material, multiple passes with a tracked-amphibious excavator may be required to achieve the desired dike crest elevation. We recommend that the ECD be constructed in at least two lifts. Maximum elevation for the each lift should take in to consideration the slope stability and bearing capacity recommendations provided in Section 4.3. The first lift should be constructed along the entire perimeter of the marsh creation areas to maximize the time for the dike and foundation soils to stabilize and consolidate prior to subsequent lifts. In Cells 1, 2 and 3, a minimum time gap of at least 15 days should be maintained between consecutive lifts. In Cell 4, we recommend a pilot dike be constructed prior to installation of the ECD along the proposed alignment to check for strength gain. Based on slope stability runs, at least 40% gain in shear strength (minimum 45 psf) of foundation soils in the top 5 feet is required for the ECDs to have a factor of safety for slope stability greater than or equal to 1.2. Adjustments to currently shown ECD alignments in Figure II-3 should be considered based on slope stability and settlement considerations provided in this report. Operation of tracked-amphibious excavators should be limited to open-water areas and avoid tracking across existing emergent marsh areas and proposed ECD footprint.

In the event that a fortified (ACBM) ECD or GRR breakwater armoring feature is incorporated into the engineering design, access/floatation channels outside the marsh creation areas will be needed to facilitate the associated construction equipment. Since a crane barge rig will likely be used to place dike armoring materials (ACBM or GRR), this rig can likely be used to construct the ECDs as well. Floatation channels adjacent to the ECD alignment must be at least 6 feet deep and 80 feet wide to accommodate the crane barge and material barge side by side to achieve reasonable efficiency and production rates. The floatation channel dimensions provide a prism with sufficient borrow material to construct the ECD with multiple passes. So as not to dictate the means and methods of the construction contractor, a schematic representation of a possible construction sequence for the fortified ECD with an ACBM armoring feature is shown by Figures VI-1A and VI-1B in Appendix VI.

Grade control markers should also be installed within the marsh creation areas prior to placement of dredged fill. EOC fill elevations should be visually shown on the markers, set and coordinated with the geotechnical engineer. As dredged fill is placed in the marsh creation areas, a knowledgeable construction inspector should monitor fill placement and consult the geotechnical engineer as needed regarding the composition and consistency of the material being placed. It may be necessary to adjust the specified EOC fill elevations accordingly. Due to potential for high variability in dredged fill material, we recommend installing at least seven settlement plates (two in each Cells 1, 2 and 4 and one in Cell 3). Data from settlement plates should be provided to the geotechnical engineer during and after construction to adjust the settlement estimates, if required. We also recommend that at least one dredged fill material sample, representative of the soil mixture transported through the dredge discharge pipeline, be taken and tested on a regular basis at the outfall of the pipeline. Samples should be collected at the weir location where decant water drains from the marsh creation areas. Regular testing of the dredged fill material will be useful in making field adjustments to the target fill elevations during construction, if needed.

Under Section 4.5, Marsh Settlement, Table 4.5-5, dredged fill was categorized as Type I less flowable material and Type II flowable material. If possible, dredged fill placement should be sequenced such that Type I material is placed in areas requiring deeper/thicker fill layers and Type II material is placed in areas requiring shallower/thinner fill layers. Since the predicted settlement for these materials is significantly different,



segregating the fill material in this manner will help predicted settlement elevations be more consistent across the marsh creation areas at the end of its performance period. For example, soil boring B-2 showed relatively high amount of sand as compared to soil boring B-1 in borrow area 1. If segregating fill material is not practical, fill placement should be monitored and tested such that specified EOC fill elevations can be adjusted to suit the type of material actually placed.

7.0 Limitations

This report has been prepared in accordance with generally accepted geotechnical engineering practice for specific application to this project. The conclusions and recommendations contained in this report are based upon applicable standards of our practice in this geographic area at the time this report was prepared. No other representation or warranty either expressed or implied, is made.

We relied on project information given to us to develop our conclusions and recommendations. If project information described in this report is not accurate, or if it changes during project development, we should be notified of the changes so that we can modify our recommendations based on this additional information if necessary.

Our conclusions and recommendations are based on limited data from a field exploration program. Subsurface conditions can vary widely between explored areas. Some variations may not become evident until construction. If conditions are encountered that appear different than those described in our report, we should be notified. This report should not be construed to represent subsurface conditions for the entire site.

Our field exploration program did not include an assessment of regulatory compliance, environmental conditions or pollutants, or presence of any biological materials (mold, fungi, bacteria).

S&ME should be retained to review the final plans and specifications to confirm that earthwork, foundation, and other recommendations are properly interpreted and implemented. The recommendations in this report are contingent on S&ME's review of final plans and specifications followed by our observation and monitoring of earthwork and foundation construction activities.

Appendices

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Appendix I – Vicinity Map, Geologic and Historic Site Maps, Field Exploration Location Plan, Subsurface Cross-Section, Soil Parameter Plots and Consolidation Parameter Plots

Figure I-1 – Vicinity Map

Figures I-2 – Geologic and Historic Site Maps

Figure I-3 – Field Exploration Location Plan

Figures I-4A through I-4F– Subsurface Cross-Sections

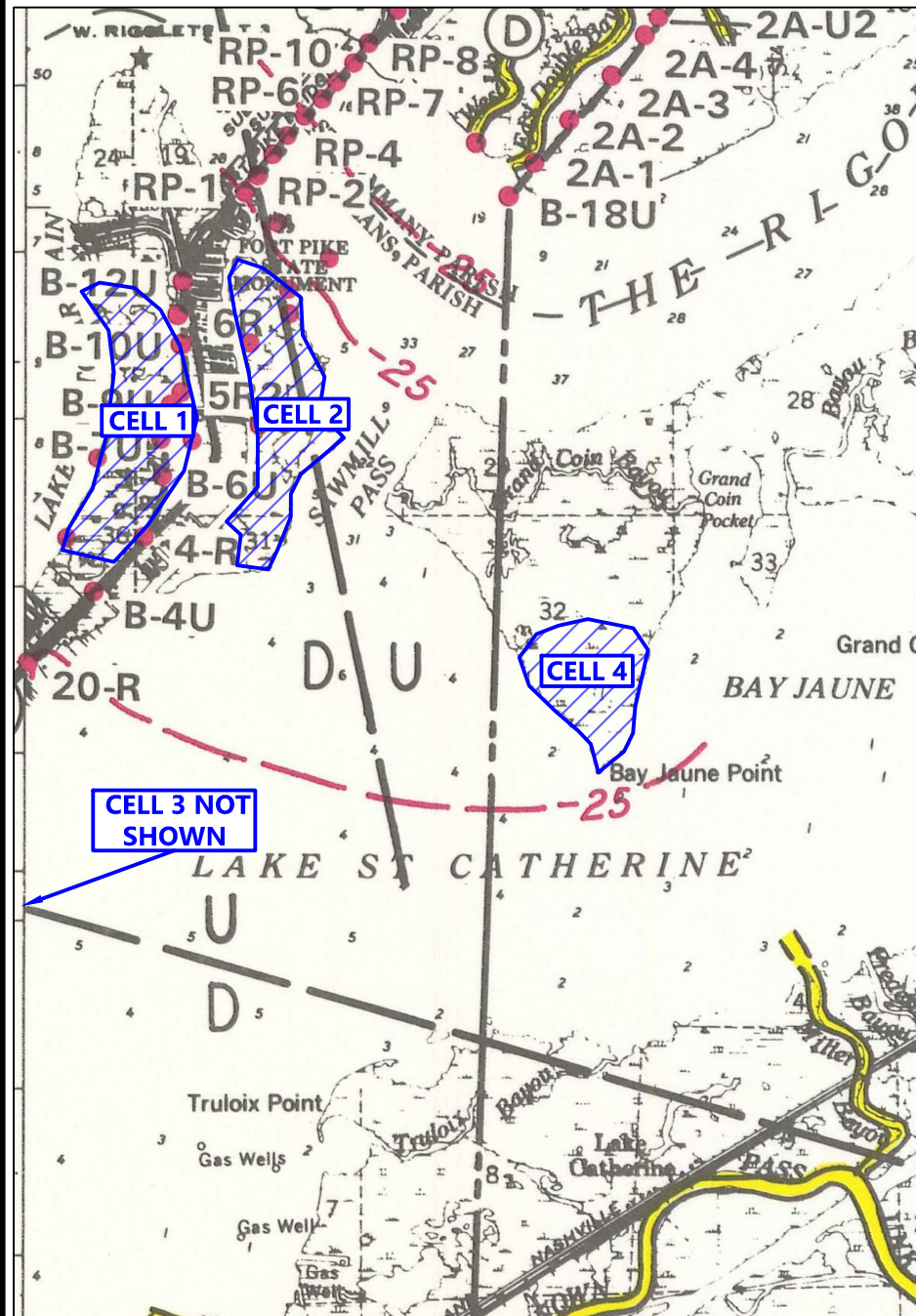
Figures I-5A through 5X – Soil Parameter Plots

Figure I-6 – Consolidation Parameter Plots

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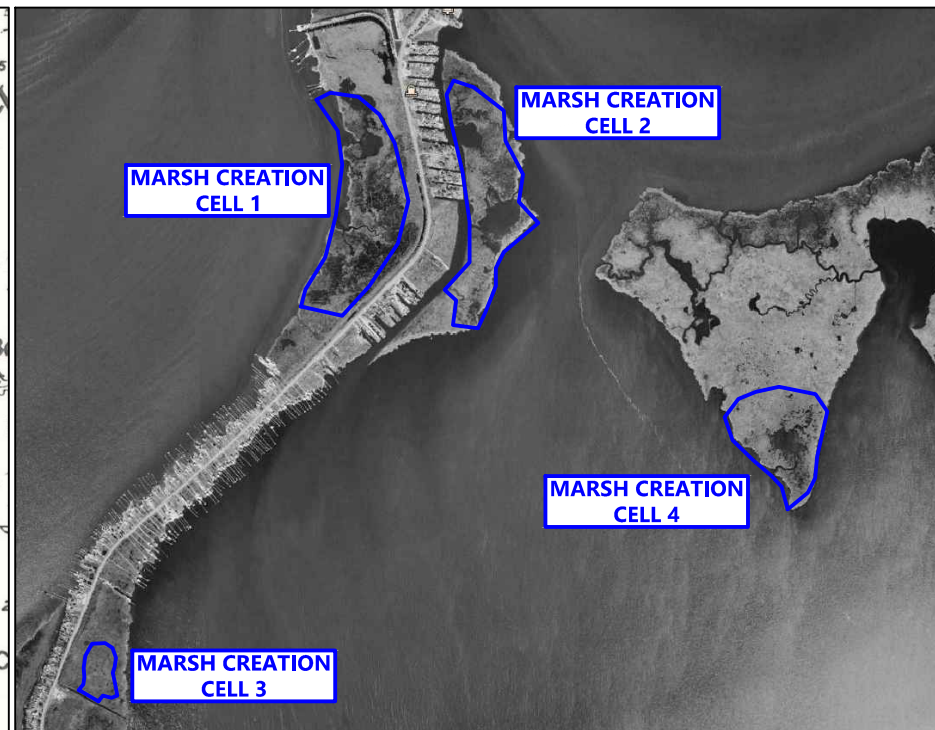
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SITE GEOLOGIC MAP

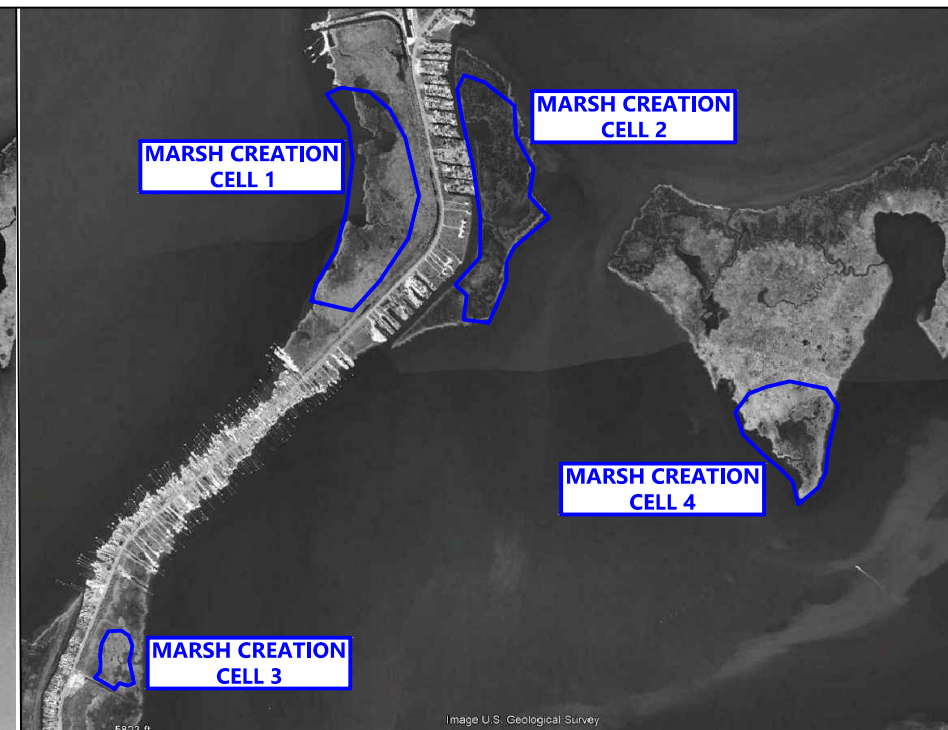


LEGEND	
HOLOCENE	PLEISTOCENE
ABANDONED DISTRIBUTARY	PRAIRIE COMPLEX
ABANDONED COURSE	ABANDONED CHANNEL
ABANDONED CHANNEL	ABANDONED COURSE
RELIC BEACH	U/D FAULT
BACKSWAMP	INDEFINITE CONTACT
UNIFF. TRIBUTARY ALLUVIUM	ELEVATION OF PLEISTOCENE SURFACE IN FEET-NGVD
INLAND SWAMP	BORING USED TO CONTOUR PLEISTOCENE SURFACE
	BORINGS USED ON CROSS SECTIONS

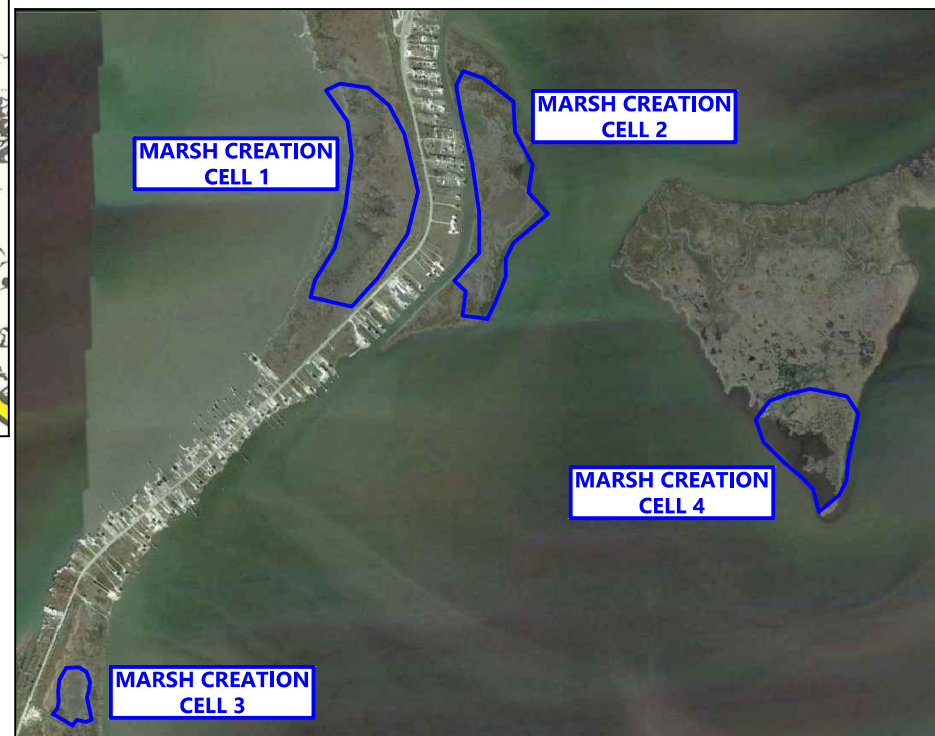
JANUARY 1998



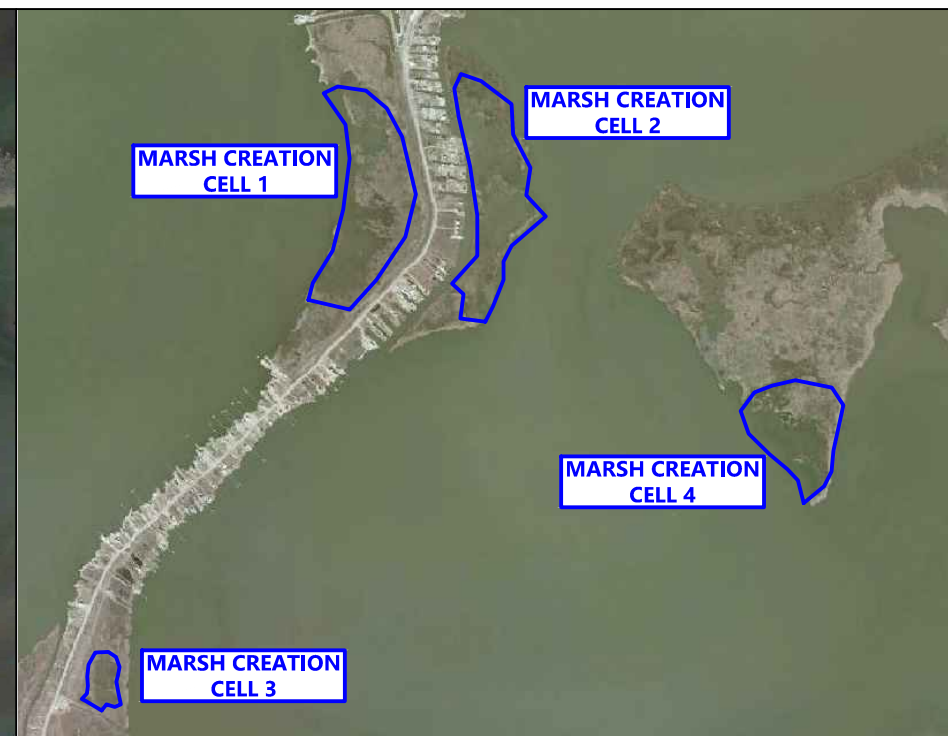
JANUARY 2004



OCTOBER 2012



OCTOBER 2017



Notes

1. Geologic map of Rigolets obtained from Army Corps of Engineers in April 2018
2. Recent years maps obtained from Google Earth pro in April 2018
3. Marsh creation cell outlines should be considered approximate



GEOLOGIC AND HISTORIC SITE MAPS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

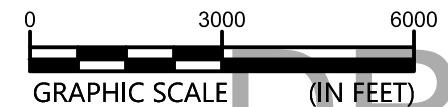
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AS NOTED

DATE:
05/04/2018

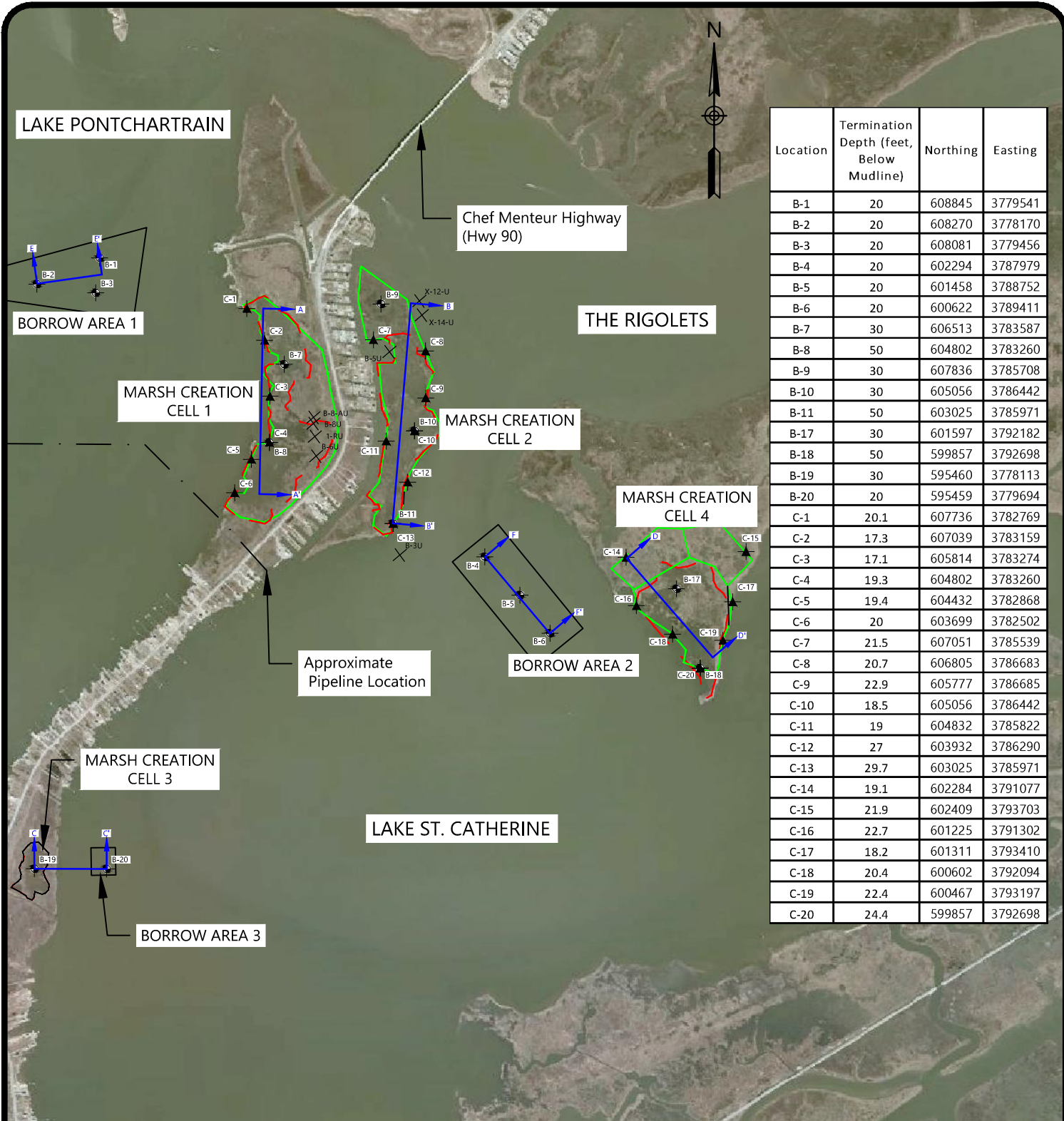
PROJECT NUMBER
4585-17-006

FIGURE NO.

I-2



GRAPHIC SCALE (IN FEET)



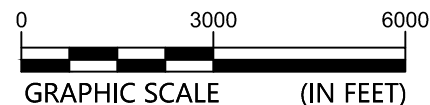
Location	Termination Depth (feet, Below Mudline)	Northing	Easting
B-1	20	608845	3779541
B-2	20	608270	3778170
B-3	20	608081	3779456
B-4	20	602294	3787979
B-5	20	601458	3788752
B-6	20	600622	3789411
B-7	30	606513	3783587
B-8	50	604802	3783260
B-9	30	607836	3785708
B-10	30	605056	3786442
B-11	50	603025	3785971
B-17	30	601597	3792182
B-18	50	599857	3792698
B-19	30	595460	3778113
B-20	20	595459	3779694
C-1	20.1	607736	3782769
C-2	17.3	607039	3783159
C-3	17.1	605814	3783274
C-4	19.3	604802	3783260
C-5	19.4	604432	3782868
C-6	20	603699	3782502
C-7	21.5	607051	3785539
C-8	20.7	606805	3786683
C-9	22.9	605777	3786685
C-10	18.5	605056	3786442
C-11	19	604832	3785822
C-12	27	603932	3786290
C-13	29.7	603025	3785971
C-14	19.1	602284	3791077
C-15	21.9	602409	3793703
C-16	22.7	601225	3791302
C-17	18.2	601311	3793410
C-18	20.4	600602	3792094
C-19	22.4	600467	3793197
C-20	24.4	599857	3792698

Legend

- Resource Agency Containment Dike Alignment
- Proposed S&ME Containment Dike Alignment
- Approximate Soil Boring Locations
- ▲ Approximate CPT Locations
- ✕ Approximate USACE Soil Boring Locations
- Approximate Cross Section Cut

Notes

- Field Exploration Locations are Referenced to NAD83, Louisiana South State Plane Zone 1702, US Feet
- Approximate Pipeline Location based on information from National Pipeline Mapping System website using public view. Actual location will need to be confirmed.
- Aerial Imagery Recorded in 2017



FIELD EXPLORATION LOCATION PLAN

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

AS NOTED

DATE:

05/04/2018

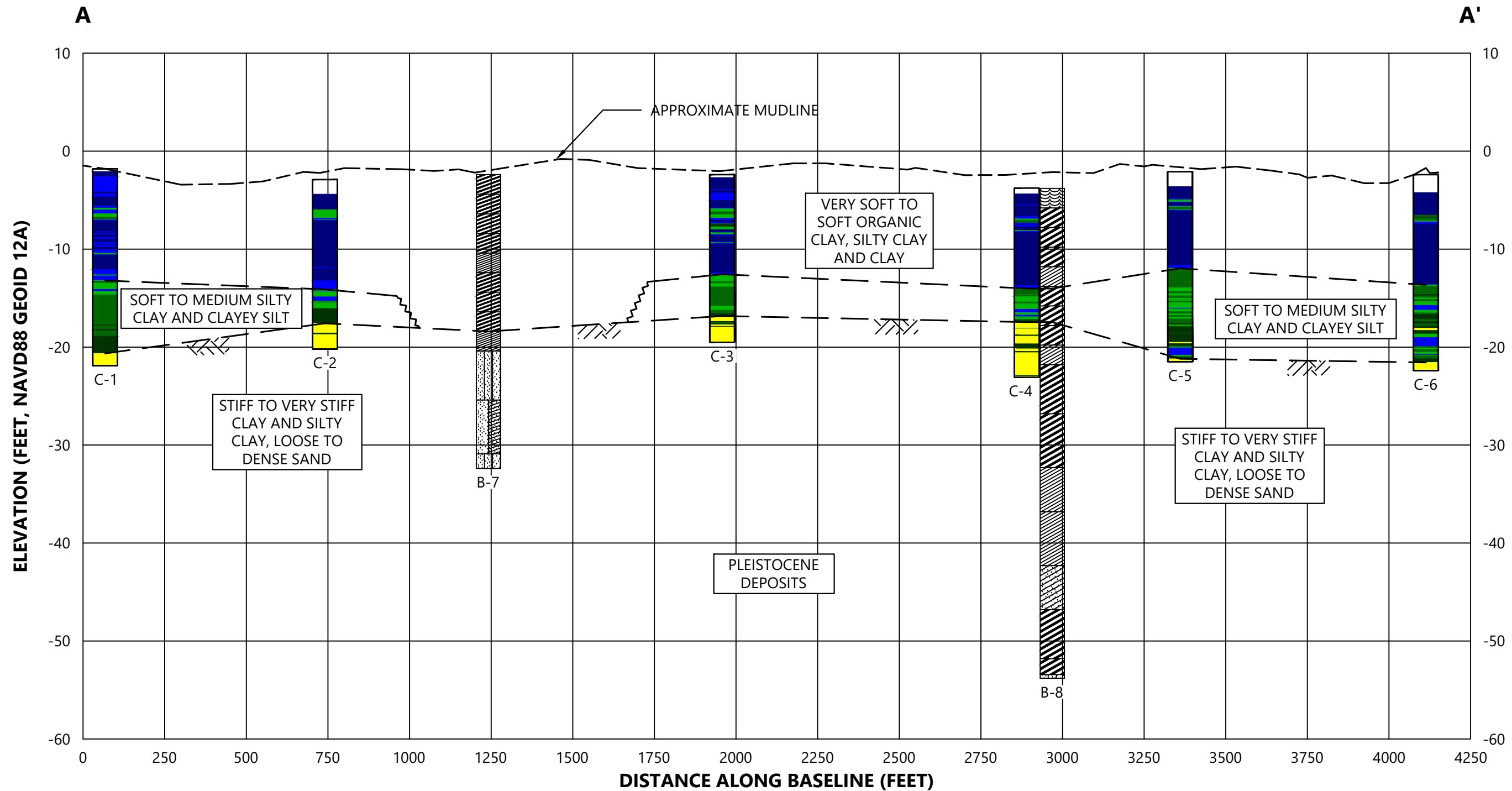
PROJECT NUMBER

4585-17-006

FIGURE NO.

I-3

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LEGEND

POORLY GRADED SAND (SP)	HIGH PLASTICITY CLAY (CH)	POORLY GRADED SAND WITH CLAY (SP-SC)	1 - SENSITIVE, FINE GRAINED SOILS	6 - SANDY SILT TO CLAYEY SILT
WELL-GRADED SAND (SW)	LOW PLASTICITY SILT (ML)	SILTY CLAY (CL-ML)	2 - ORGANIC SOILS, PEATS	7 - SILTY SAND TO SANDY SILT
SILTY SAND (SM)	LOW PLASTICITY CLAY (CL)	APPROXIMATE PLEISTOCENE SURFACE	3 - CLAY	8 - SAND TO SILTY SAND
CLAYEY SAND (SC)	HIGH PLASTICITY ORGANIC CLAY (OH)		4 - SILTY CLAY TO CLAY	9 - SAND
			5 - CLAYEY SILT TO SILTY CLAY	

Notes:

- Mudline elevation at boring field exploration locations obtained by Providence Engineering and Environmental Group, LLC dated 6/13/2017
- Mudline elevations between field exploration locations obtained from survey by Chustz Surveying, LLC dated 10/07/2016
- Dashed lines indicating soil layers should be considered approximate



SUBSURFACE CROSS-SECTION A-A'

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

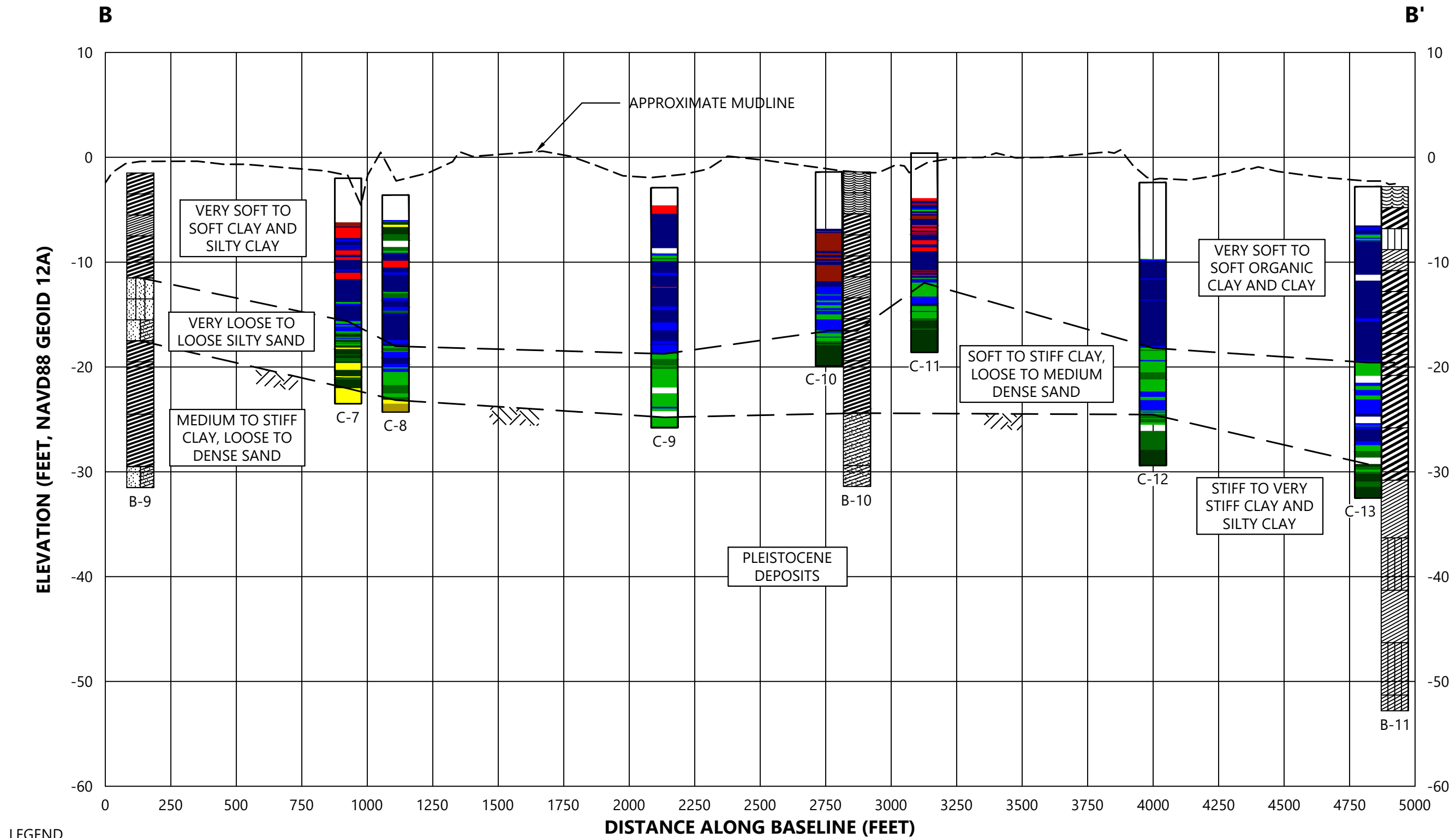
4585-17-006

FIGURE NO.

I-4A

DRAFT

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LEGEND

	POORLY GRADED SAND (SP)		HIGH PLASTICITY CLAY (CH)		POORLY GRADED SAND WITH CLAY (SP-SC)		1 - SENSITIVE, FINE GRAINED SOILS		6 - SANDY SILT TO CLAYEY SILT
	WELL-GRADED SAND (SW)		LOW PLASTICITY SILT (ML)		SILTY CLAY (CL-ML)		2 - ORGANIC SOILS, PEATS		7 - SILTY SAND TO SANDY SILT
	SILTY SAND (SM)		LOW PLASTICITY CLAY (CL)		APPROXIMATE PLEISTOCENE SURFACE		3 - CLAY		8 - SAND TO SILTY SAND
	CLAYEY SAND (SC)		HIGH PLASTICITY ORGANIC CLAY (OH)				4 - SILTY CLAY TO CLAY		9 - SAND
							5 - CLAYEY SILT TO SILTY CLAY		

Notes:

- Mudline elevation at boring field exploration locations obtained by Providence Engineering and Environmental Group, LLC dated 6/13/2017
- Mudline elevations between field exploration locations obtained from survey by Chustz Surveying, LLC dated 10/07/2016
- Dashed lines indicating soil layers should be considered approximate



SUBSURFACE CROSS-SECTION B-B'

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

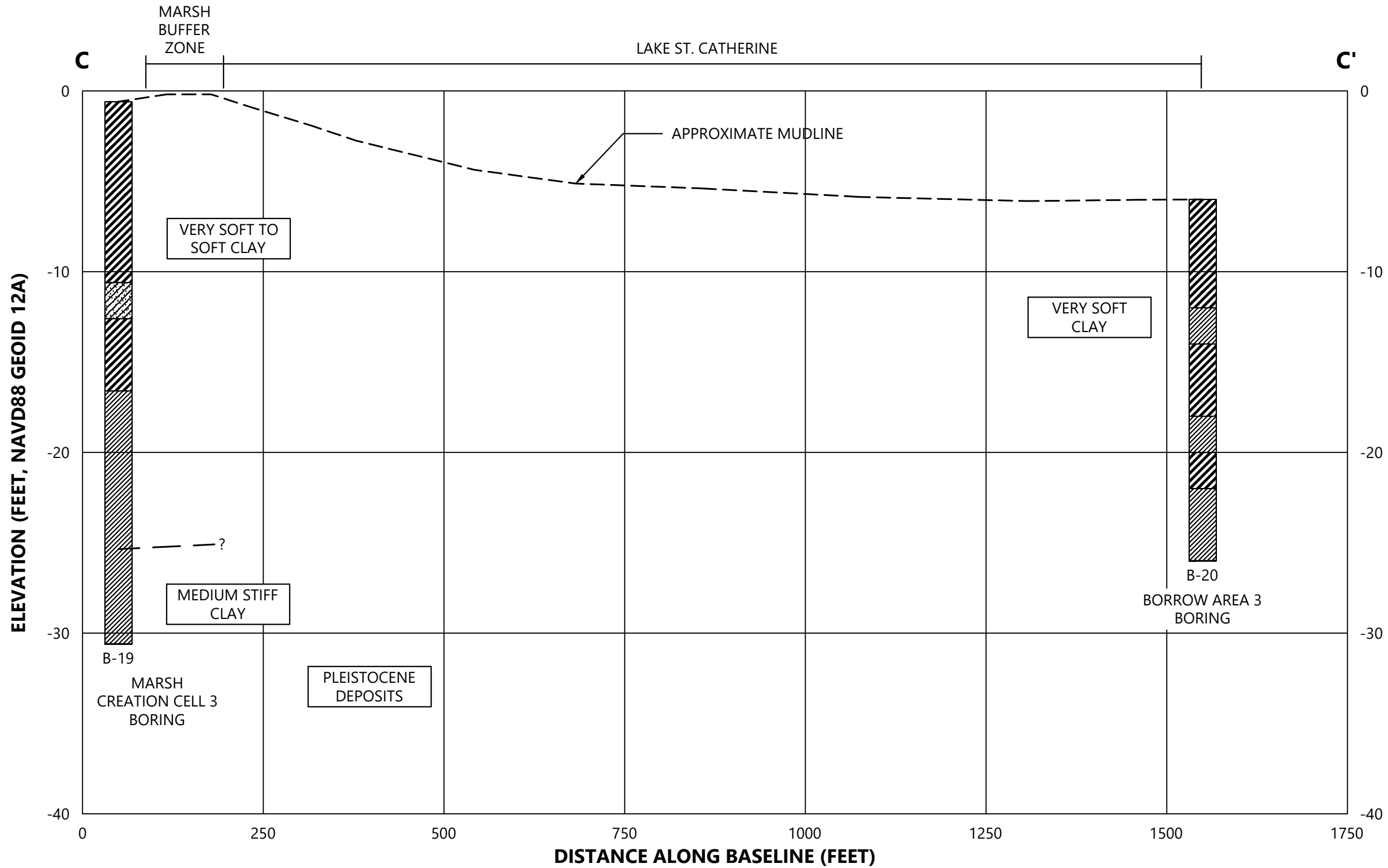
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FIGURE NO.





















I-4B

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LEGEND

 POORLY GRADED SAND (SP)	 HIGH PLASTICITY CLAY (CH)	 POORLY GRADED SAND WITH CLAY (SP-SC)	 1 - SENSITIVE, FINE GRAINED SOILS	 6 - SANDY SILT TO CLAYEY SILT
 WELL-GRADED SAND (SW)	 LOW PLASTICITY SILT (ML)	 SILTY CLAY (CL-ML)	 2 - ORGANIC SOILS, PEATS	 7 - SILTY SAND TO SANDY SILT
 SILTY SAND (SM)	 LOW PLASTICITY CLAY (CL)	 APPROXIMATE PLEISTOCENE SURFACE	 3 - CLAY	 8 - SAND TO SILTY SAND
 CLAYEY SAND (SC)	 HIGH PLASTICITY ORGANIC CLAY (OH)		 4 - SILTY CLAY TO CLAY	 9 - SAND
			 5 - CLAYEY SILT TO SILTY CLAY	

Notes:

- Mudline elevation at boring field exploration locations obtained by Providence Engineering and Environmental Group, LLC dated 6/13/2017
- Mudline elevations between field exploration locations obtained from survey by Chustz Surveying, LLC dated 10/07/2016
- Dashed lines indicating soil layers should be considered approximate



SUBSURFACE CROSS-SECTION C-C'

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

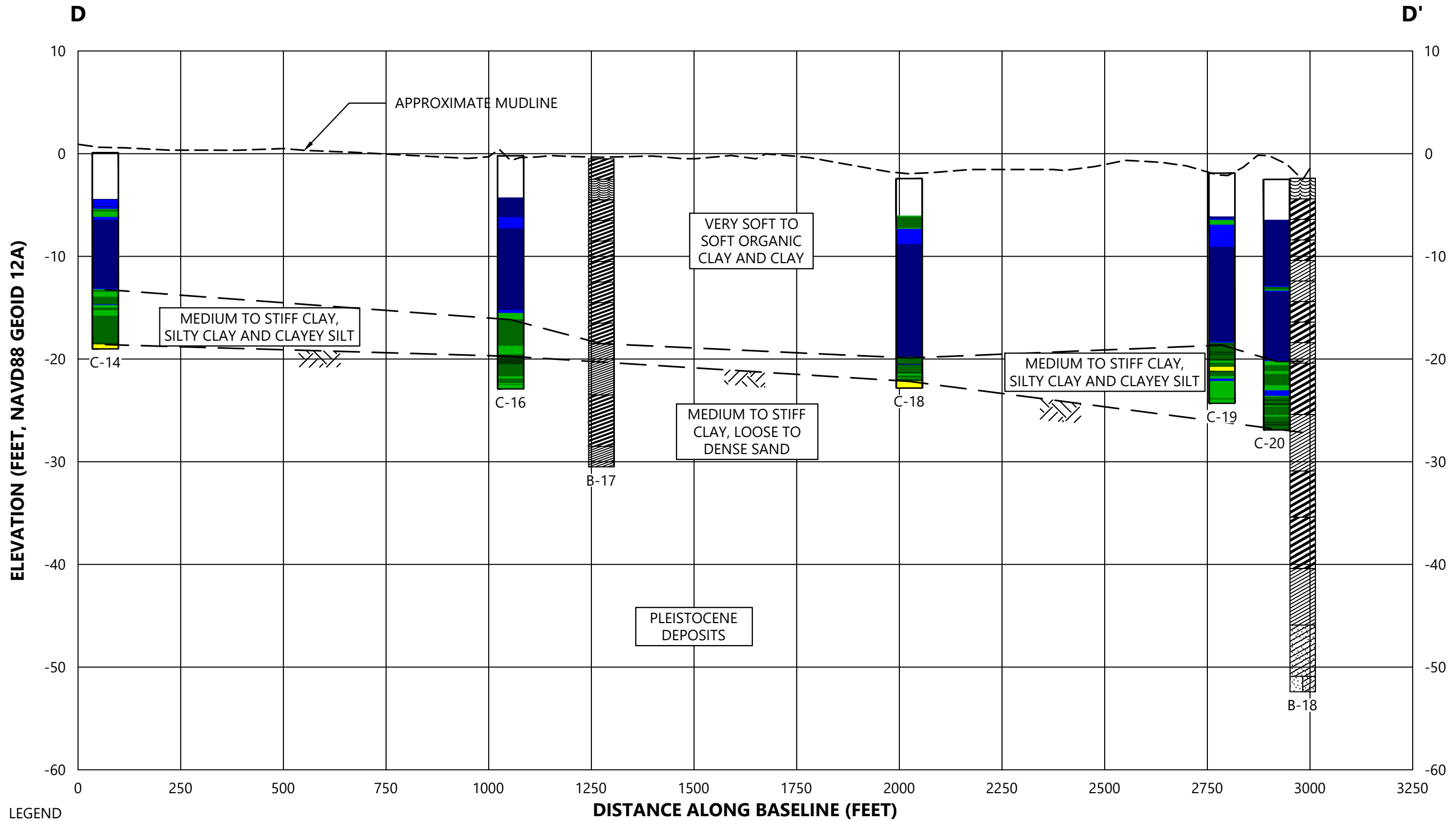
4585-17-006

FIGURE NO.

I-4C

DRAFT

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LEGEND

	POORLY GRADED SAND (SP)		HIGH PLASTICITY CLAY (CH)		POORLY GRADED SAND WITH CLAY (SP-SC)		1 - SENSITIVE, FINE GRAINED SOILS		6 - SANDY SILT TO CLAYEY SILT
	WELL-GRADED SAND (SW)		LOW PLASTICITY SILT (ML)		SILTY CLAY (CL-ML)		2 - ORGANIC SOILS, PEATS		7 - SILTY SAND TO SANDY SILT
	SILTY SAND (SM)		LOW PLASTICITY CLAY (CL)		APPROXIMATE PLEISTOCENE SURFACE		3 - CLAY		8 - SAND TO SILTY SAND
	CLAYEY SAND (SC)		HIGH PLASTICITY ORGANIC CLAY (OH)				4 - SILTY CLAY TO CLAY		9 - SAND
							5 - CLAYEY SILT TO SILTY CLAY		

Notes:

- Mudline elevation at boring field exploration locations obtained by Providence Engineering and Environmental Group, LLC dated 6/13/2017
- Mudline elevations between field exploration locations obtained from survey by Chustz Surveying, LLC dated 10/07/2016
- Dashed lines indicating soil layers should be considered approximate



SUBSURFACE CROSS-SECTION D-D'

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

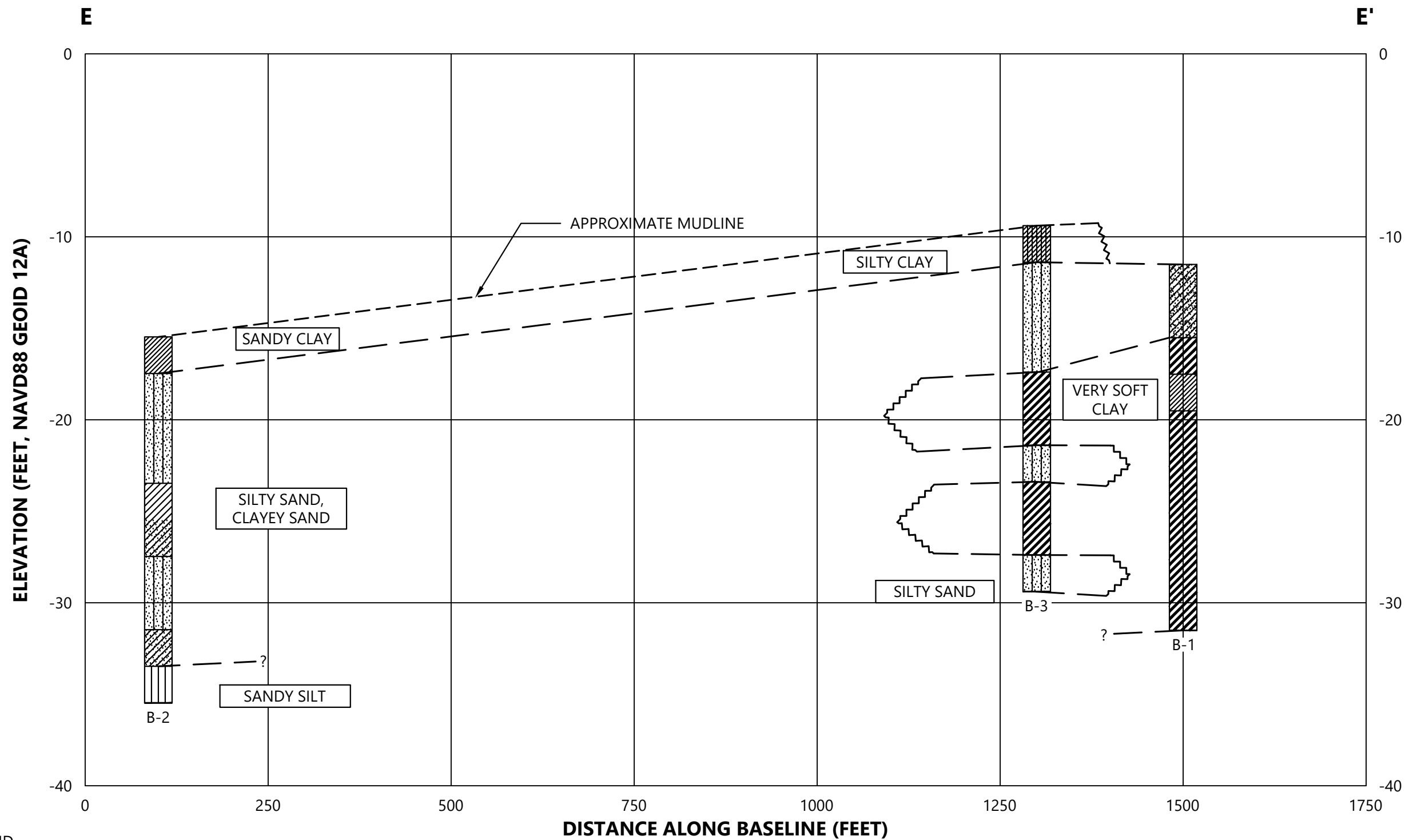
4585-17-006

FIGURE NO.

I-4D

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 Cross Sections\Sub_Surface_Profiles.dwg



LEGEND

	POORLY GRADED SAND (SP)		HIGH PLASTICITY CLAY (CH)		POORLY GRADED SAND WITH CLAY (SP-SC)		1 - SENSITIVE, FINE GRAINED SOILS		6 - SANDY SILT TO CLAYEY SILT
	WELL-GRADED SAND (SW)		LOW PLASTICITY SILT (ML)		SILTY CLAY (CL-ML)		2 - ORGANIC SOILS, PEATS		7 - SILTY SAND TO SANDY SILT
	SILTY SAND (SM)		LOW PLASTICITY CLAY (CL)		APPROXIMATE PLEISTOCENE SURFACE		3 - CLAY		8 - SAND TO SILTY SAND
	CLAYEY SAND (SC)		HIGH PLASTICITY ORGANIC CLAY (OH)		4 - SILTY CLAY TO CLAY		5 - CLAYEY SILT TO SILTY CLAY		9 - SAND

Notes:

- Mudline elevation at boring field exploration locations obtained by Providence Engineering and Environmental Group, LLC dated 6/13/2017
- Dashed lines indicating soil layers should be considered approximate



SUBSURFACE CROSS-SECTION E-E'

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

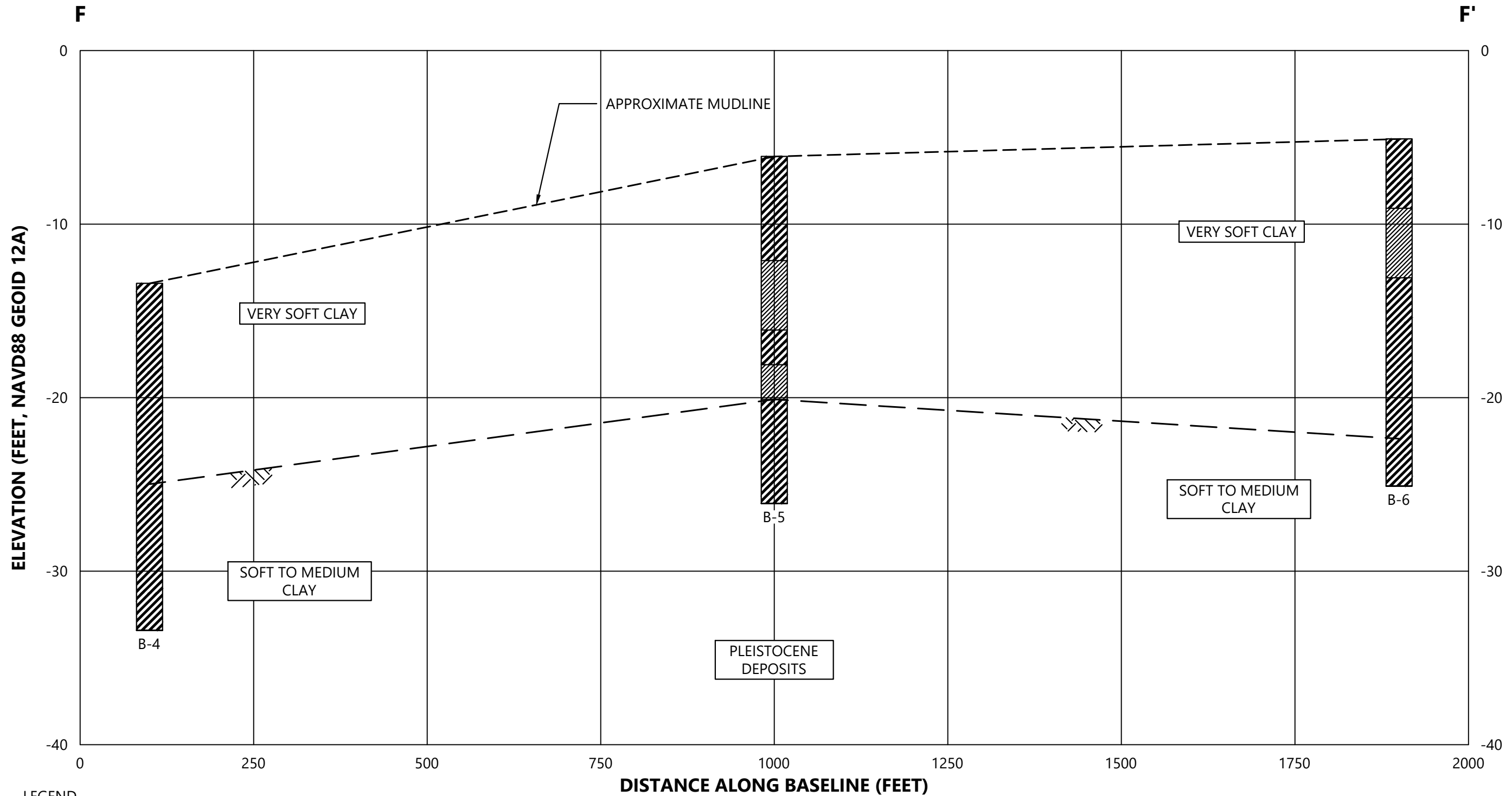
4585-17-006

FIGURE NO.

I-4E

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 Cross Sections\Sub_Surface_Profiles.dwg



LEGEND

	POORLY GRADED SAND (SP)		HIGH PLASTICITY CLAY (CH)		POORLY GRADED SAND WITH CLAY (SP-SC)		1 - SENSITIVE, FINE GRAINED SOILS		6 - SANDY SILT TO CLAYEY SILT
	WELL-GRADED SAND (SW)		LOW PLASTICITY SILT (ML)		SILTY CLAY (CL-ML)		2 - ORGANIC SOILS, PEATS		7 - SILTY SAND TO SANDY SILT
	SILTY SAND (SM)		LOW PLASTICITY CLAY (CL)		APPROXIMATE PLEISTOCENE SURFACE		3 - CLAY		8 - SAND TO SILTY SAND
	CLAYEY SAND (SC)		HIGH PLASTICITY ORGANIC CLAY (OH)				4 - SILTY CLAY TO CLAY		9 - SAND
							5 - CLAYEY SILT TO SILTY CLAY		

Notes:

- Mudline elevation at boring field exploration locations obtained by Providence Engineering and Environmental Group, LLC dated 6/13/2017
- Dashed lines indicating soil layers should be considered approximate



SUBSURFACE CROSS-SECTION F-F'

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

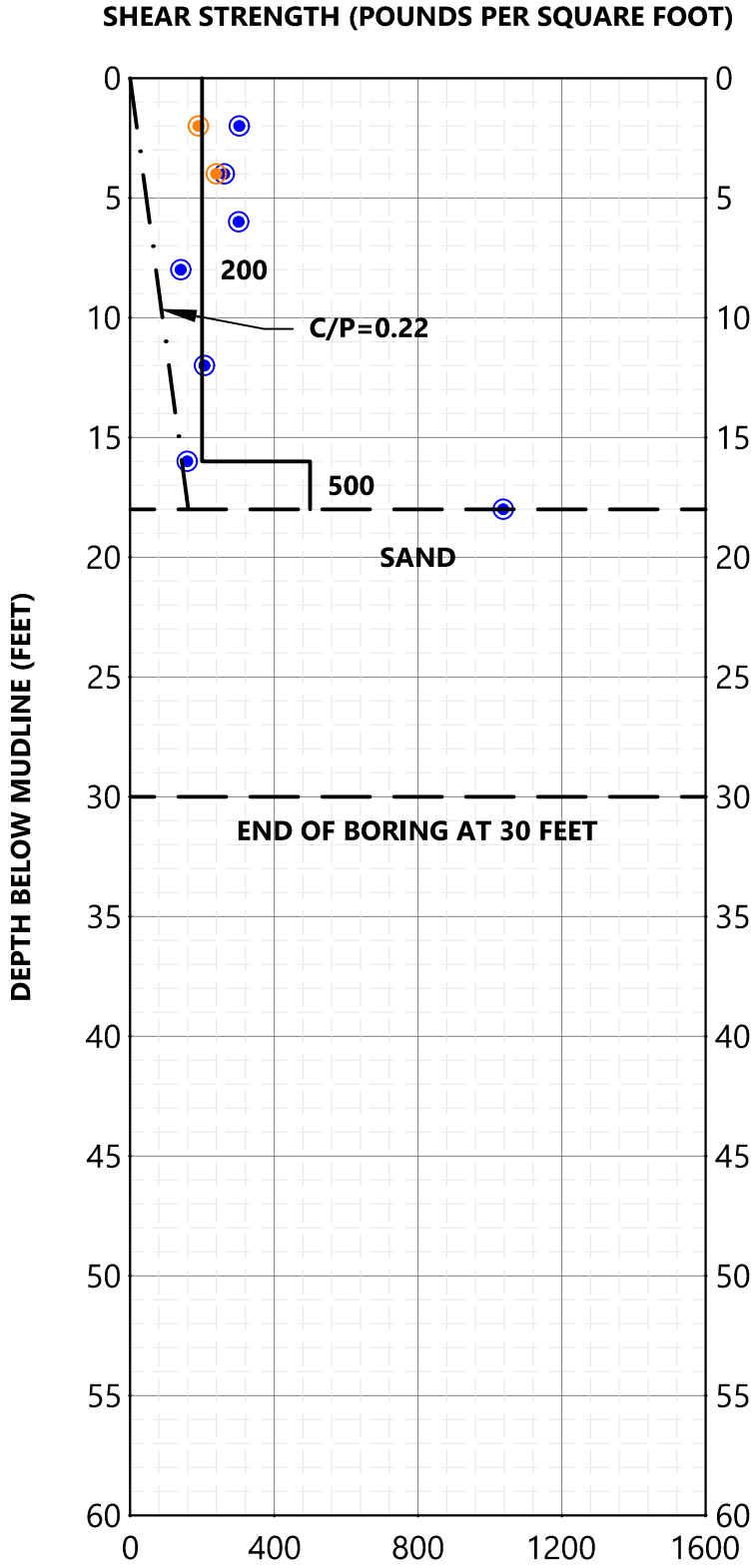
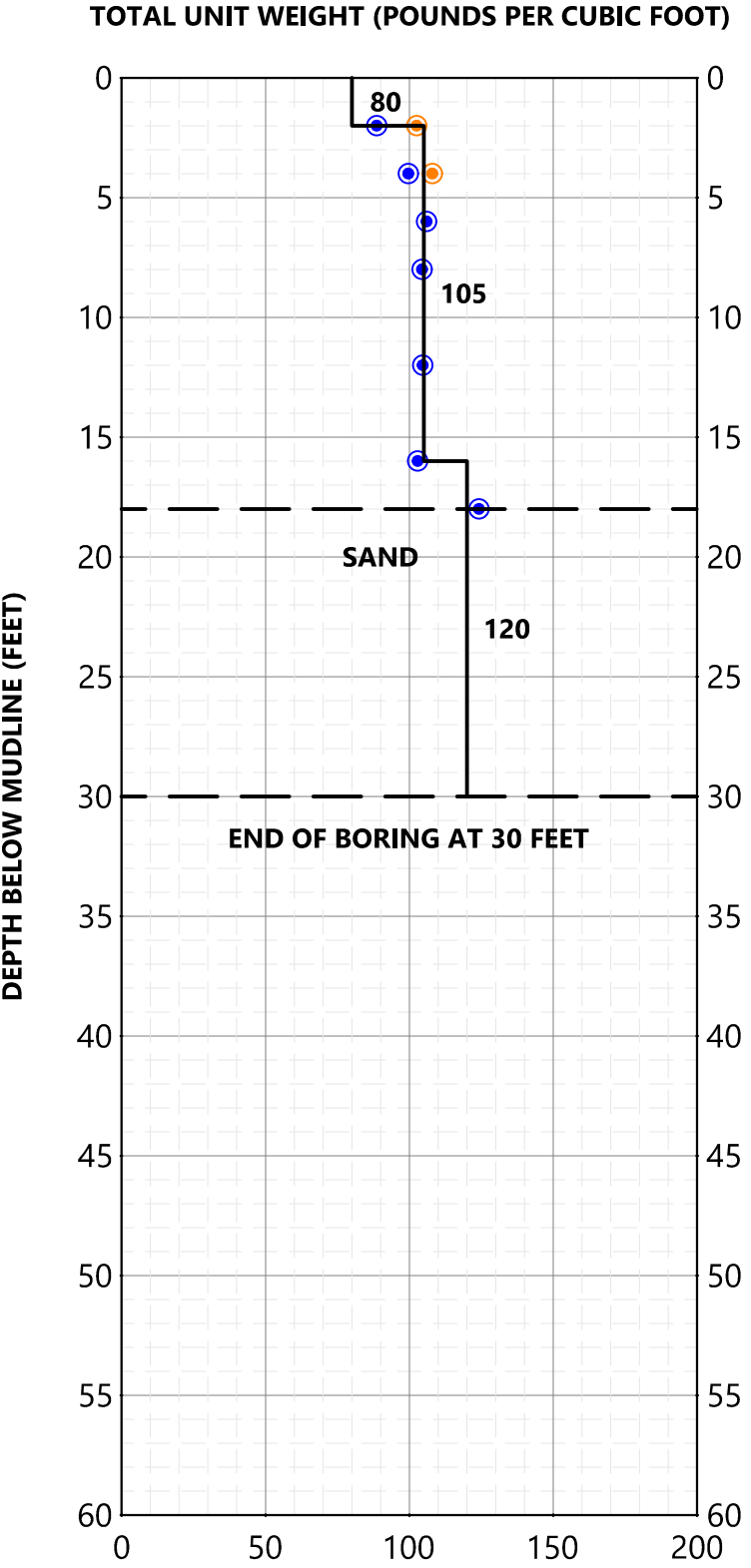
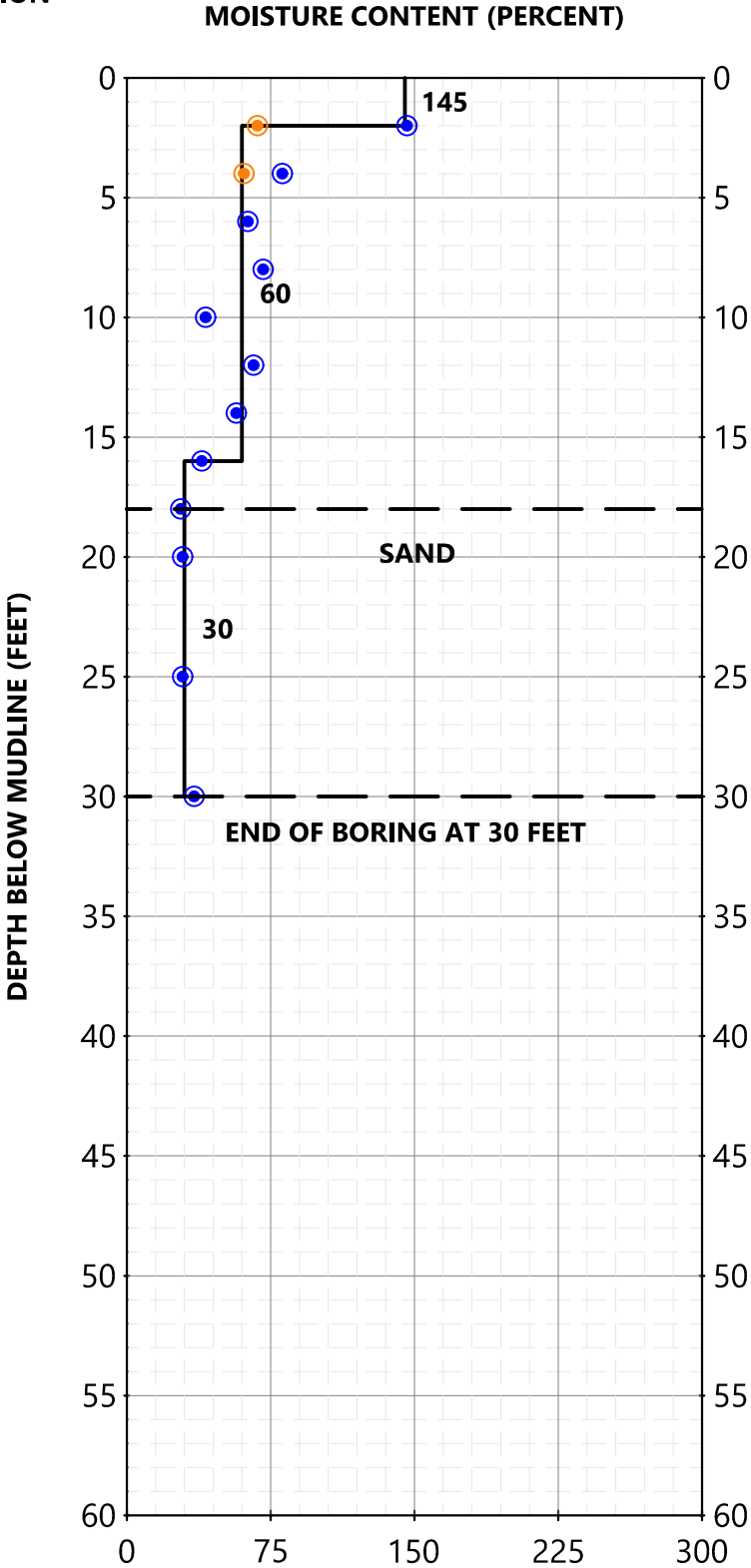
FIGURE NO.

I-4F

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 Boring Soil Parameter Plot\B7_TABLES.dwg

MUDLINE ELEVATION
= -2.4 FEET



LEGEND

- | | | |
|--------------------------|-----------------------------------|--------------------------------------|
| B-7 BORING DATA | B-7A BORING DATA | C/P LINE |
| WELL-GRADED SAND (SW) | POORLY GRADED SAND (SP) | SILTY SAND (SM) |
| CLAYEY SAND (SC) | LOW PLASTICITY SILT (ML) | HIGH PLASTICITY CLAY (CH) |
| LOW PLASTICITY CLAY (CL) | HIGH PLASTICITY ORGANIC CLAY (OH) | POORLY GRADED SAND WITH CLAY (SP-SC) |
| SILTY CLAY (CL-ML) | | |



B-7 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

I-5A

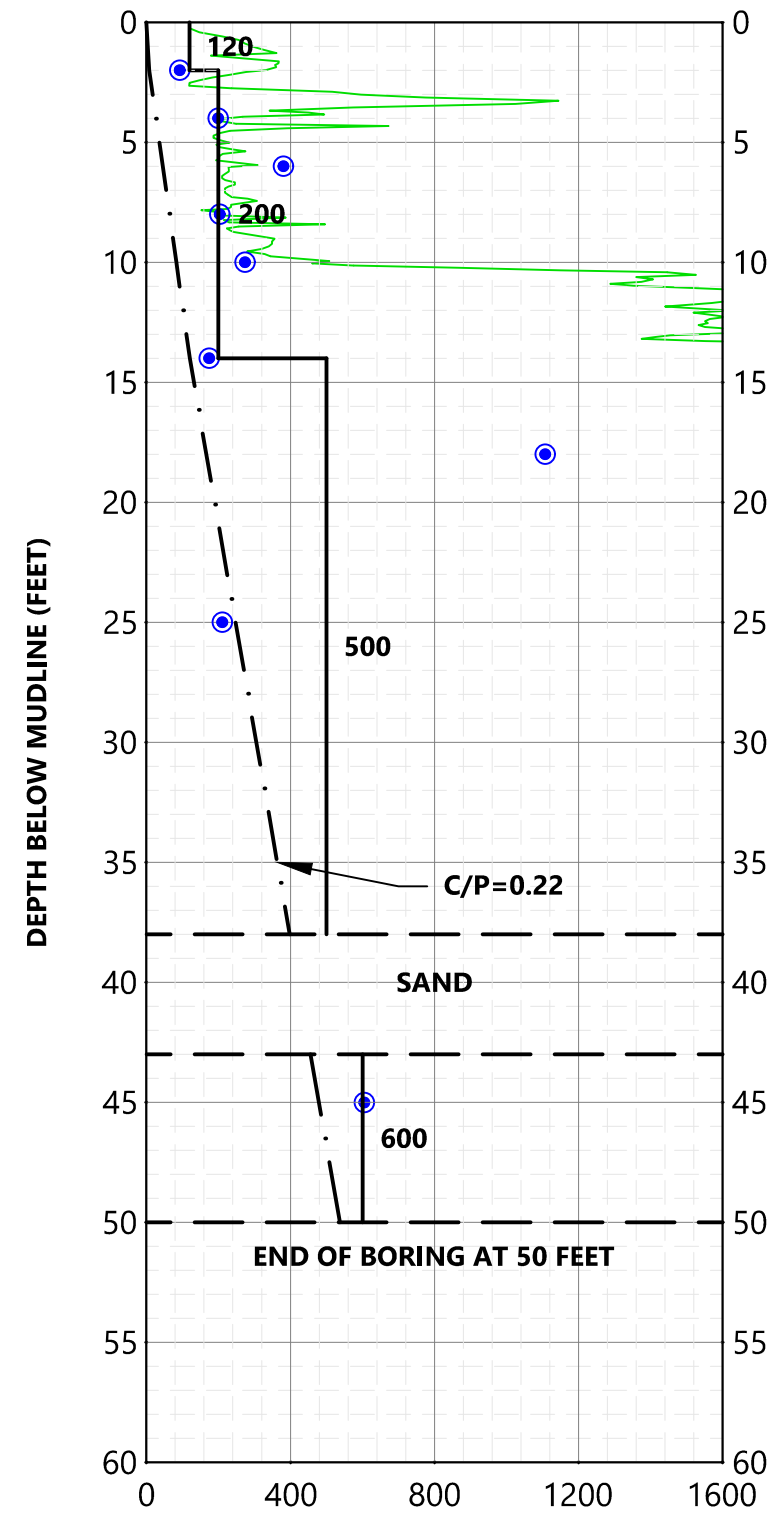
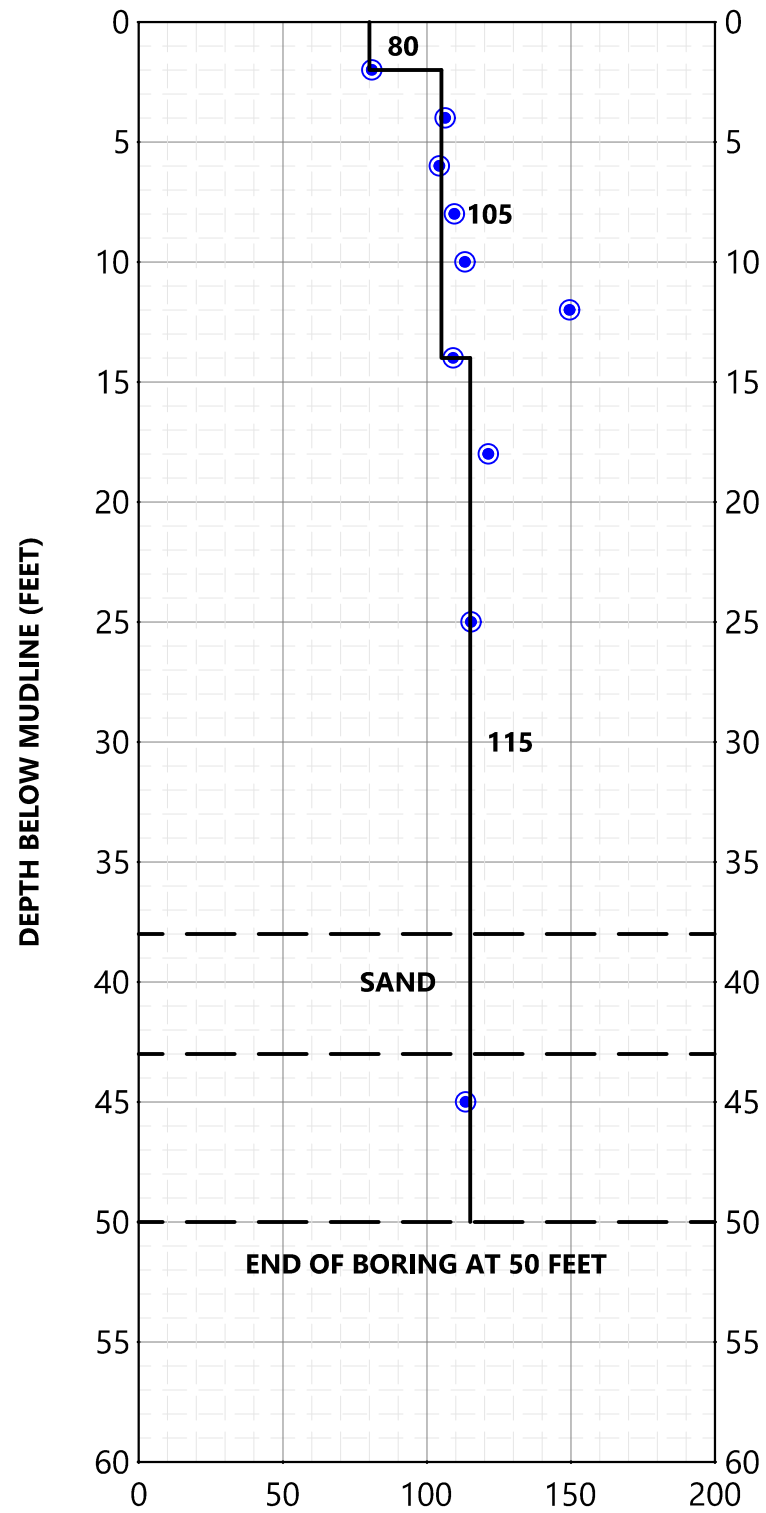
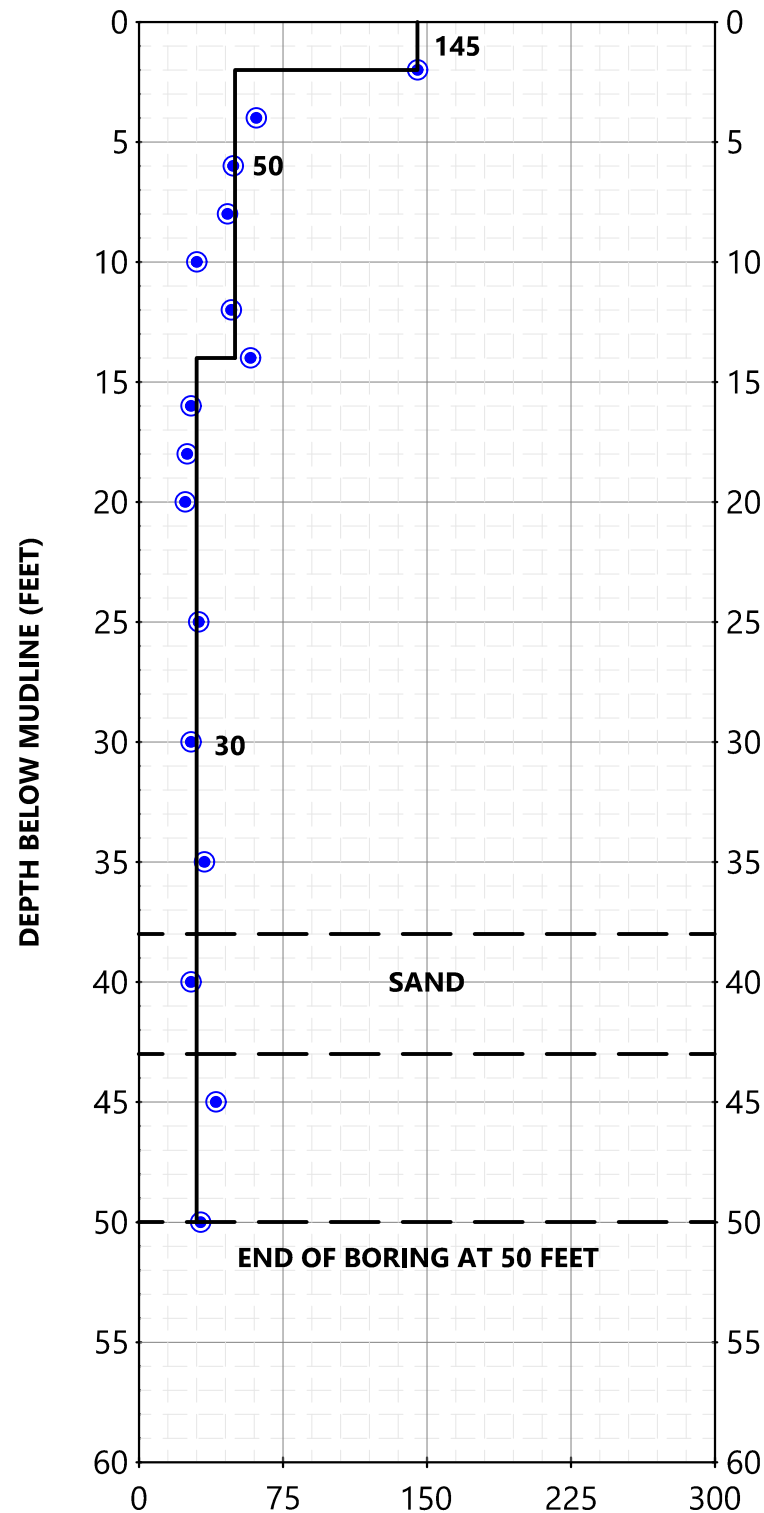
Drawing path: C:\Users\jwilliamson\Desktop\PO-169 Boring Soil Parameter Plot\B8_Tables.dwg

MUDLINE ELEVATION
= -3.8 FEET

MOISTURE CONTENT (PERCENT)

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)

SHEAR STRENGTH (POUNDS PER SQUARE FOOT)



LEGEND

● B-8 BORING DATA
— CPT DATA
- - - C/P LINE

POORLY GRADED SAND (SP)
WELL-GRADED SAND (SW)

SILTY SAND (SM)
CLAYEY SAND (SC)
HIGH PLASTICITY CLAY (CH)
LOW PLASTICITY SILT (ML)

LOW PLASTICITY CLAY (CL)
HIGH PLASTICITY ORGANIC CLAY (OH)
POORLY GRADED SAND WITH CLAY (SP-SC)
SILTY CLAY (CL-ML)

1 - SENSITIVE, FINE GRAINED SOILS
2 - ORGANIC SOILS, PEATS
3 - CLAY
4 - SILTY CLAY TO CLAY
5 - CLAYEY SILT TO SILTY CLAY

6 - SANDY SILT TO CLAYEY SILT
7 - SILTY SAND TO SANDY SILT
8 - SAND TO SILTY SAND
9 - SAND



B-8/C-4 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:
NTS

DATE:
04/30/2018

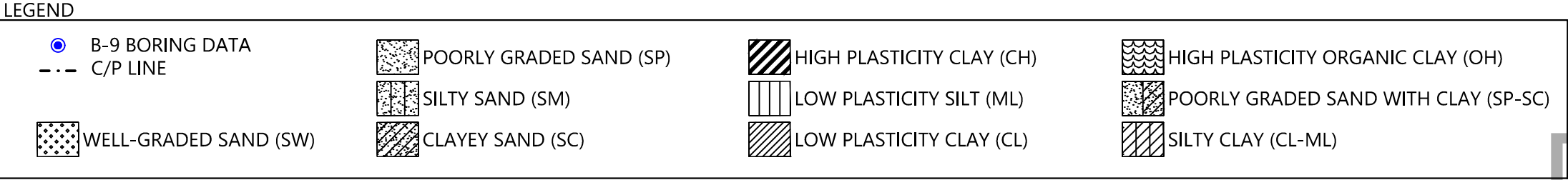
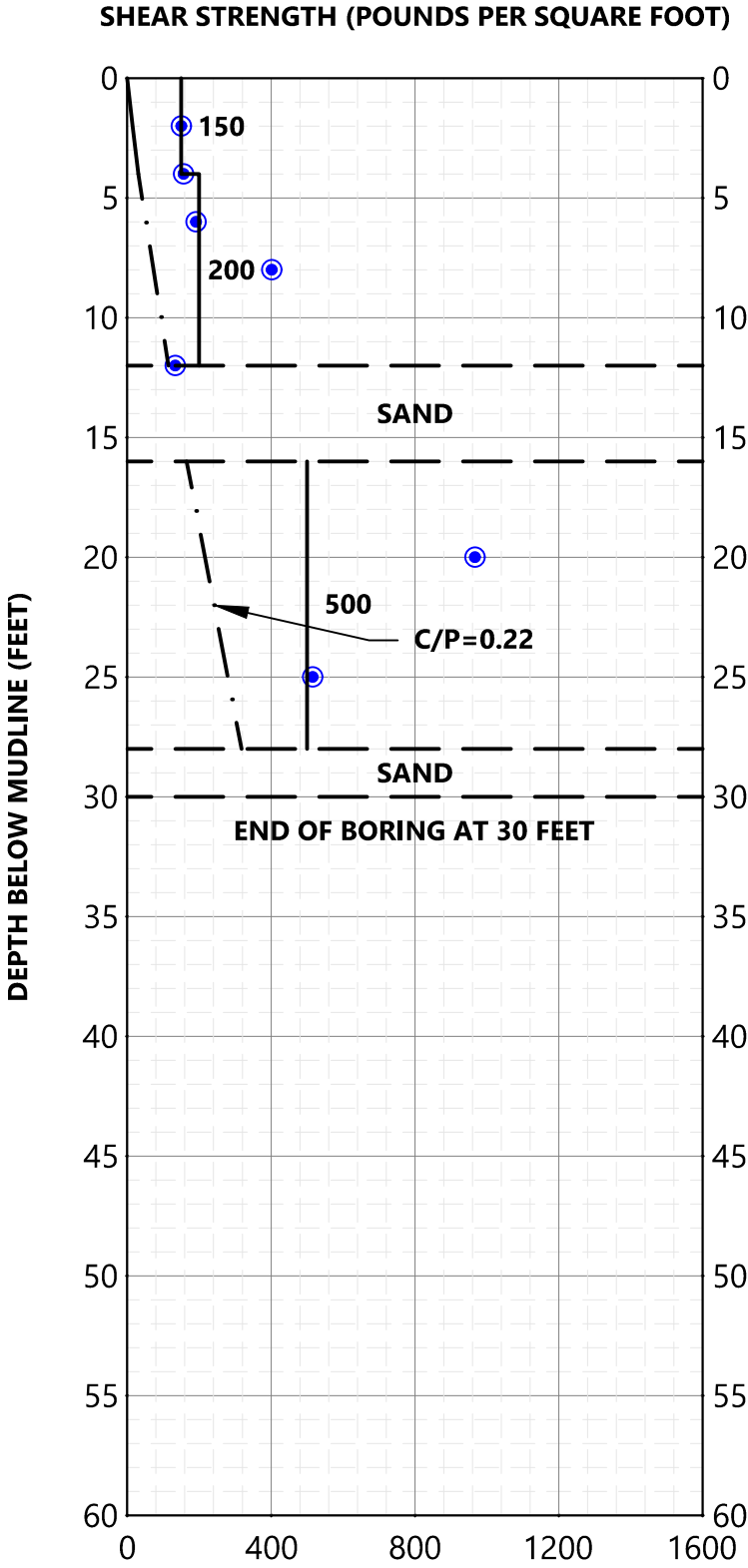
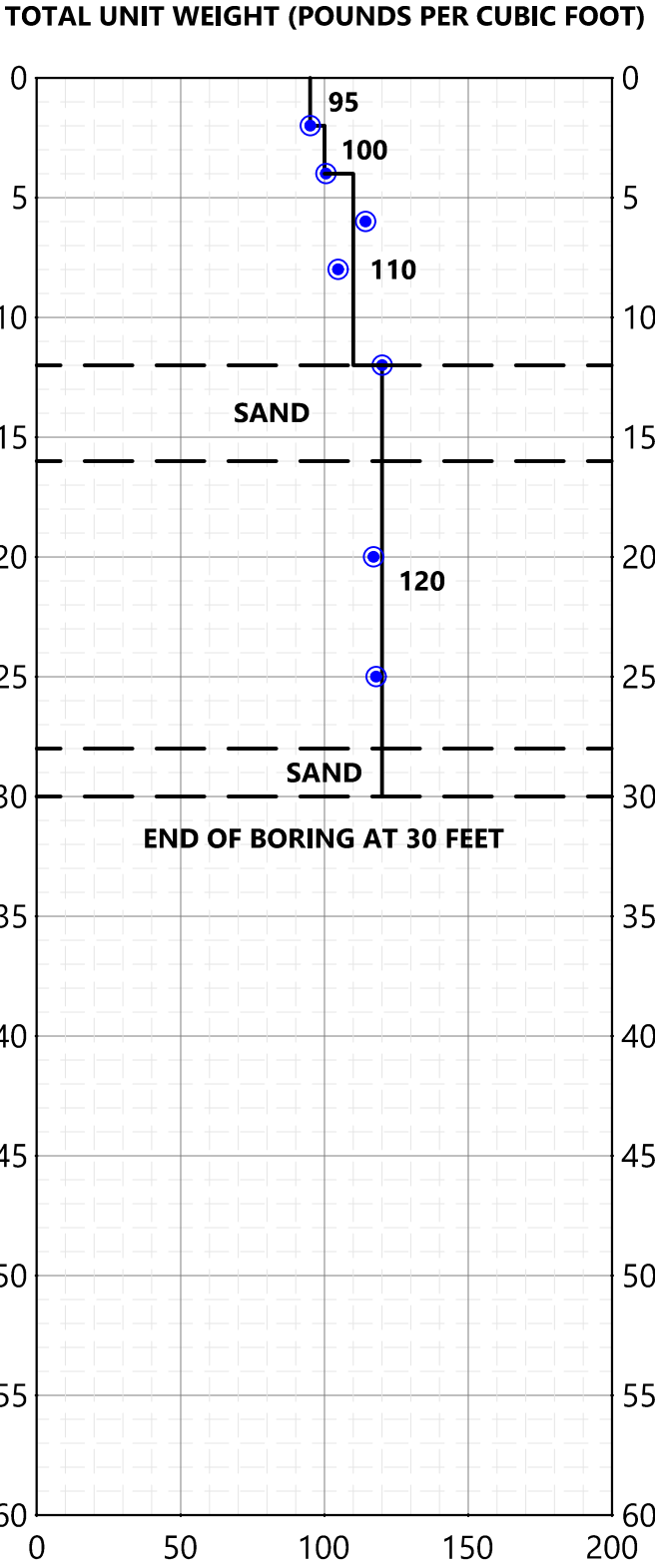
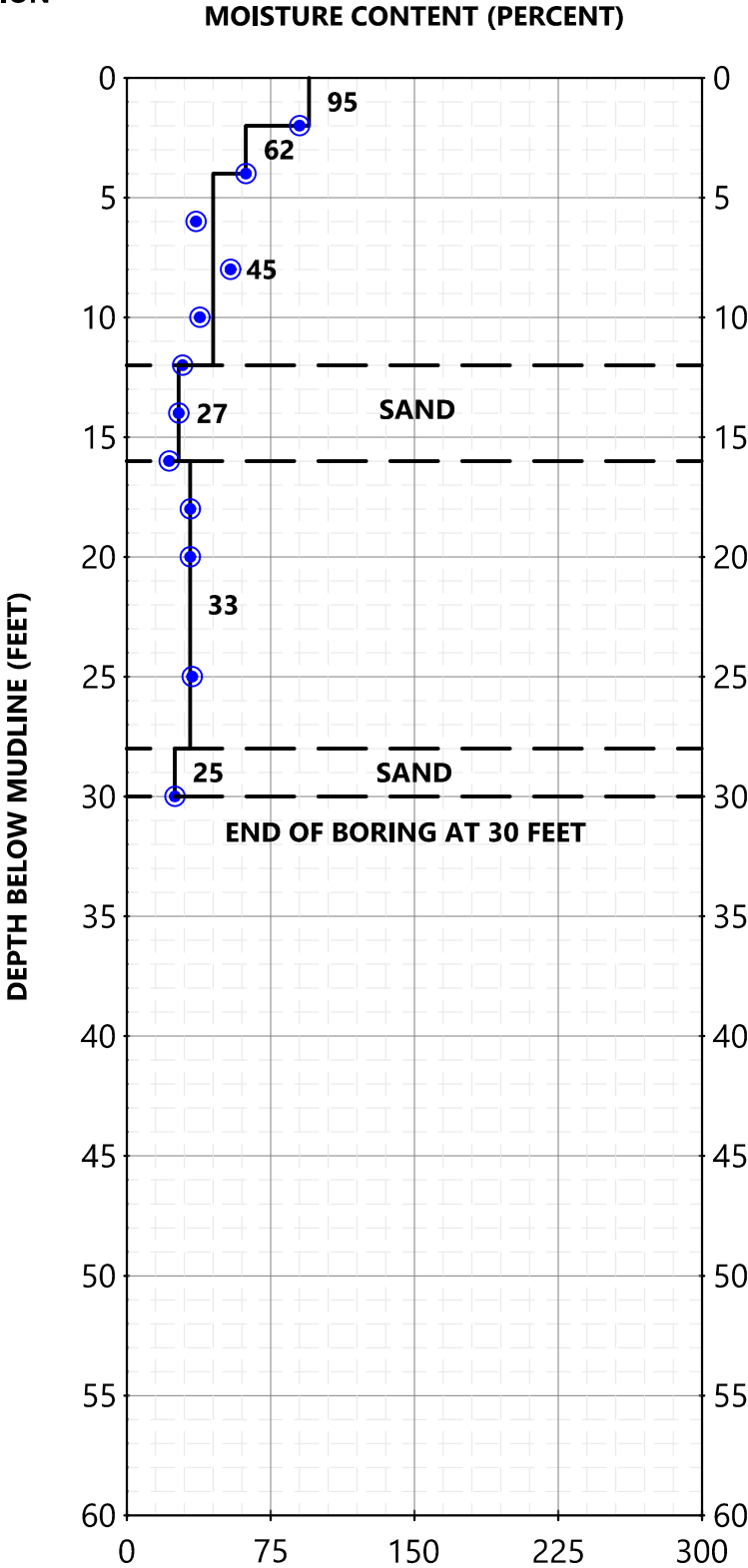
PROJECT NUMBER
4585-17-006

FIGURE NO.

I-5B

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 Boring Soil Parameter Plots\B9_Tables.dwg

MUDLINE ELEVATION
= -1.5 FEET



B-9 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

I-5C

Drawing path: C:\Users\jwilliamson\Desktop\PO-169 Boring Soil Parameter Plot\B10 TABLES.dwg

MUDLINE ELEVATION
= -1.4 FEET

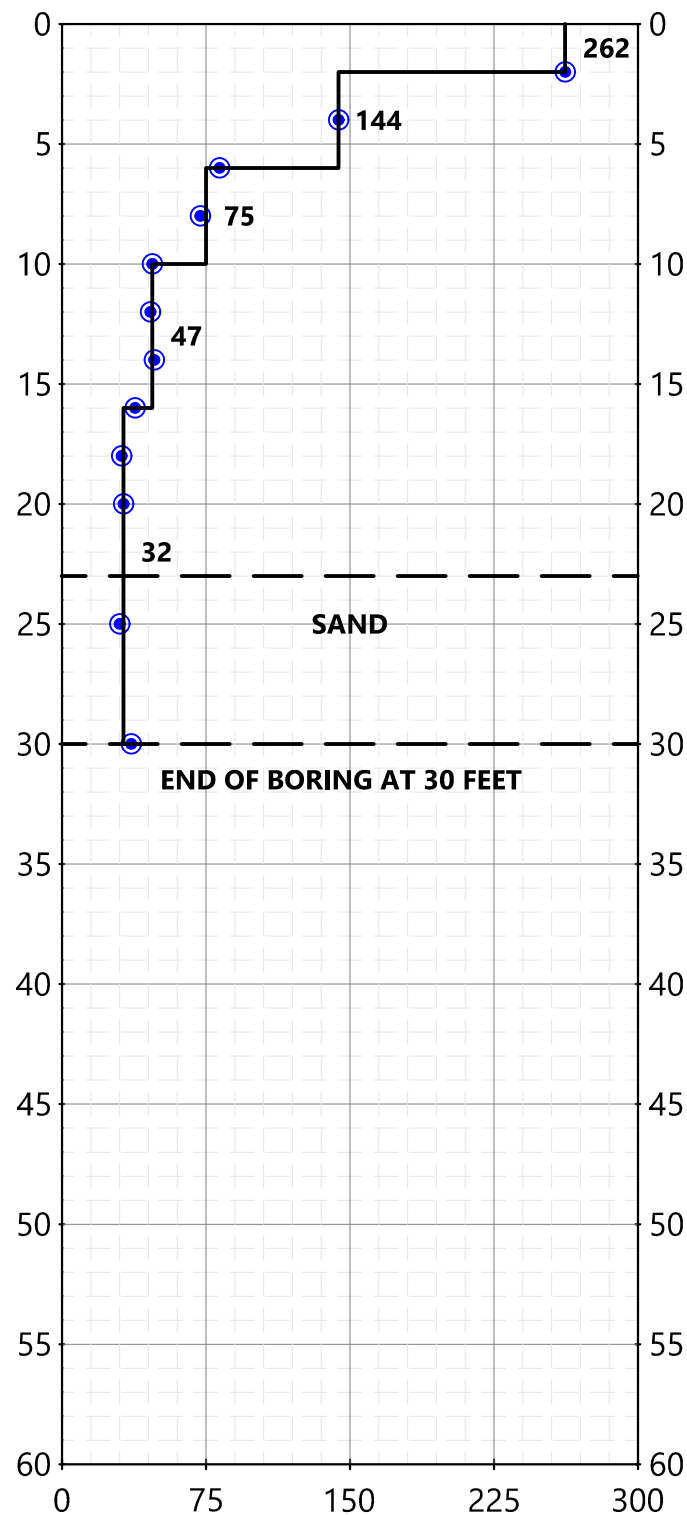
MOISTURE CONTENT (PERCENT)

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)

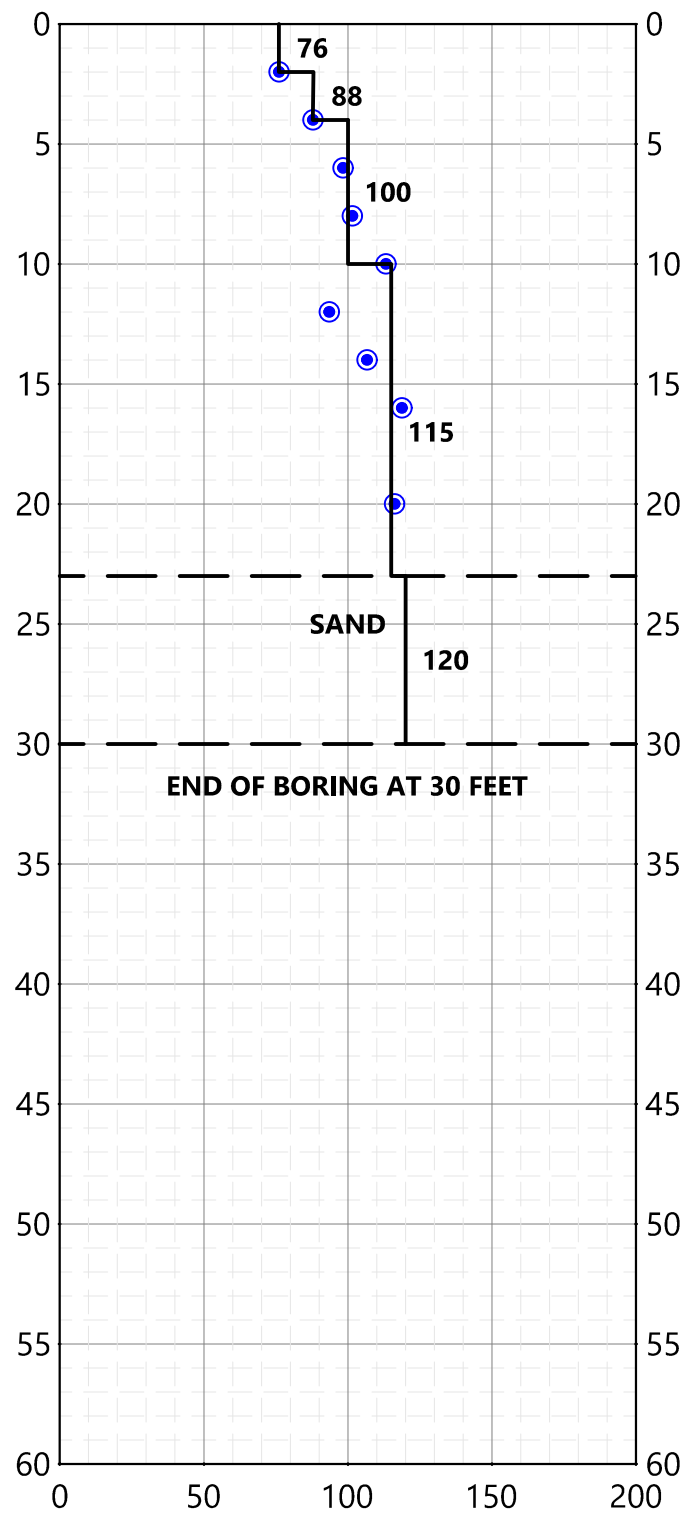
SHEAR STRENGTH (POUNDS PER SQUARE FOOT)



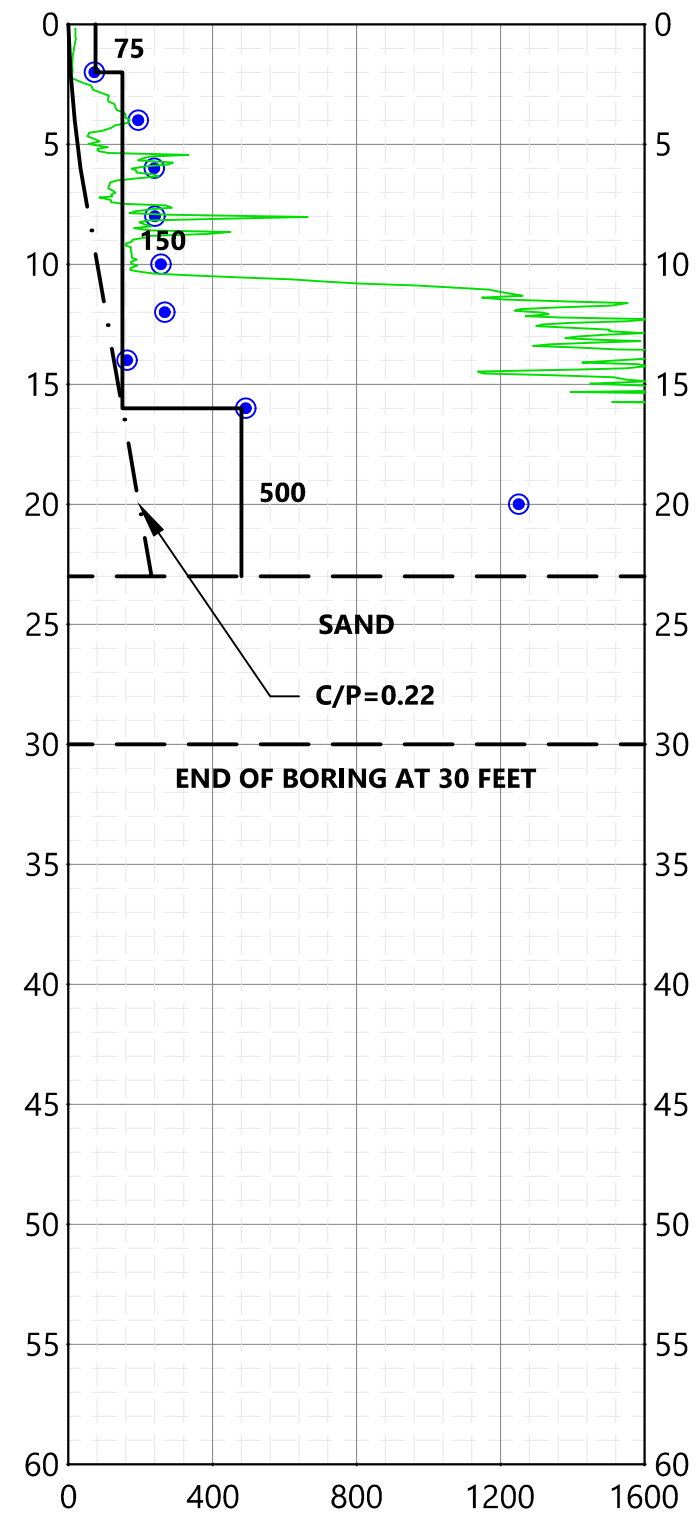
DEPTH BELOW MUDLINE (FEET)



DEPTH BELOW MUDLINE (FEET)



DEPTH BELOW MUDLINE (FEET)



LEGEND

● B-10 BORING DATA

— CPT DATA

- - - C/P LINE

POORLY GRADED SAND (SP)

WELL-GRADED SAND (SW)

SILTY SAND (SM)

CLAYEY SAND (SC)

HIGH PLASTICITY CLAY (CH)

LOW PLASTICITY SILT (ML)

LOW PLASTICITY CLAY (CL)

HIGH PLASTICITY ORGANIC CLAY (OH)

POORLY GRADED SAND WITH CLAY (SP-SC)

SILTY CLAY (CL-ML)

1 - SENSITIVE, FINE GRAINED SOILS

2 - ORGANIC SOILS, PEATS

3 - CLAY

4 - SILTY CLAY TO CLAY

5 - CLAYEY SILT TO SILTY CLAY

6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT

8 - SAND TO SILTY SAND

9 - SAND

B-10/C-10 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

I-5D

Drawing path: C:\Users\yavillamson\Desktop\PO-169 Boring Soil Parameter Plot\B11_TABLES.dwg

MUDLINE ELEVATION
= -2.8 FEET

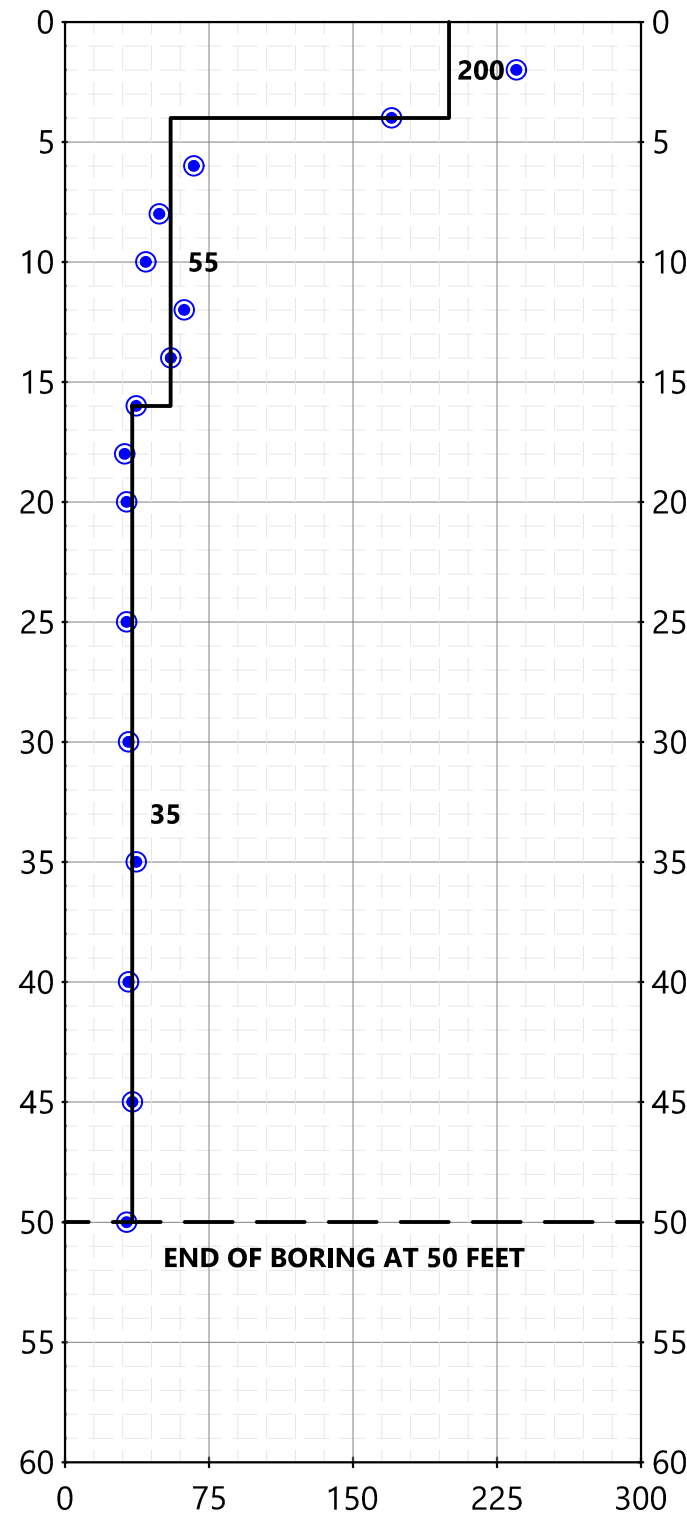
MOISTURE CONTENT (PERCENT)

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)

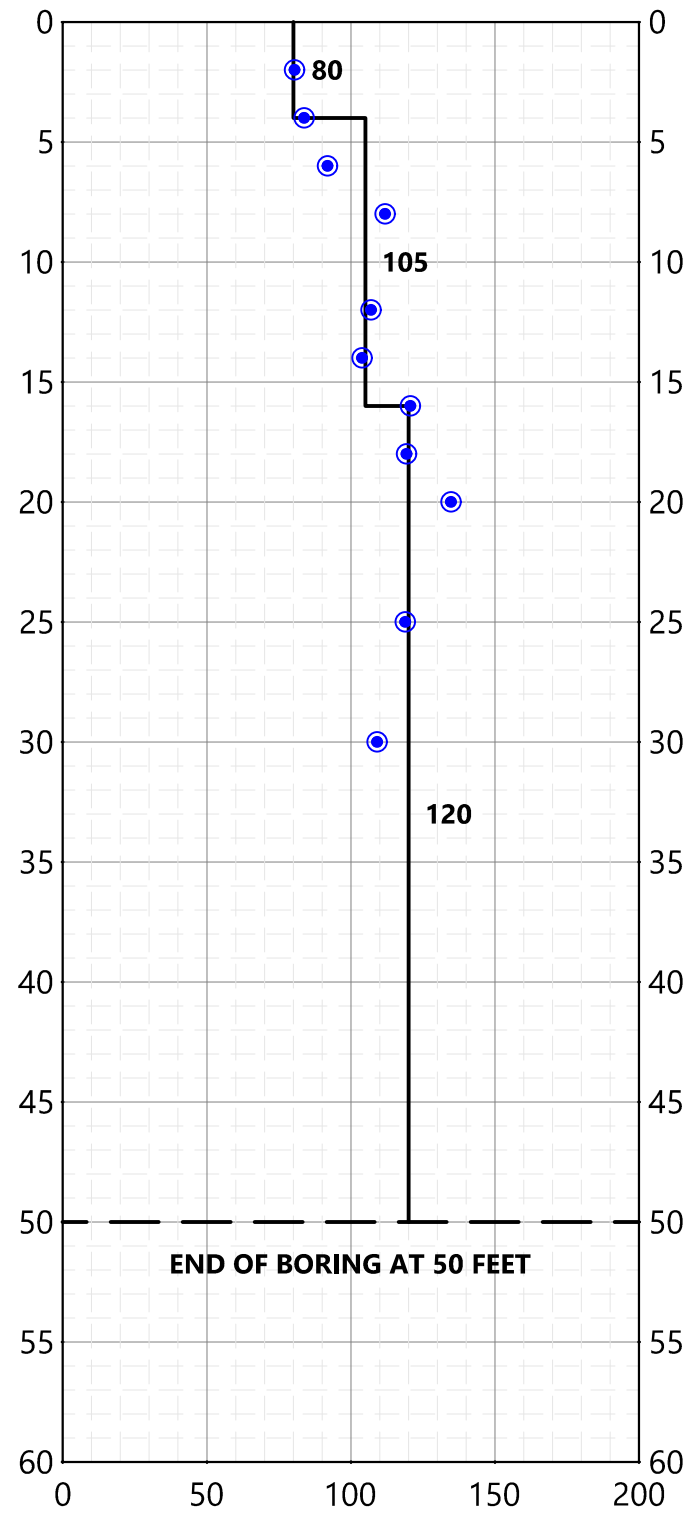
SHEAR STRENGTH (POUNDS PER SQUARE FOOT)



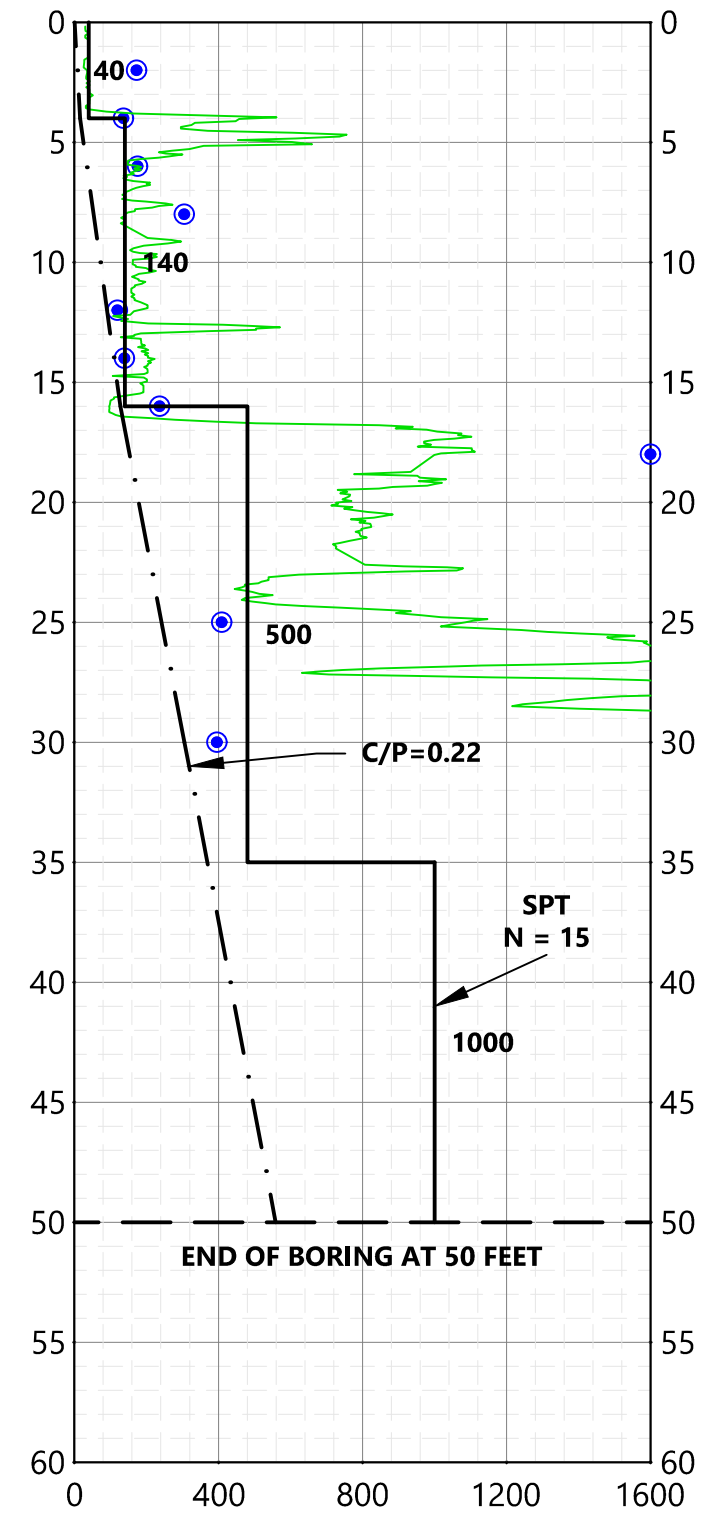
DEPTH BELOW MUDLINE (FEET)



DEPTH BELOW MUDLINE (FEET)



DEPTH BELOW MUDLINE (FEET)



LEGEND

● B-11 BORING DATA

— CPT DATA

- - - C/P LINE

POORLY GRADED SAND (SP)

WELL-GRADED SAND (SW)

SILTY SAND (SM)

CLAYEY SAND (SC)

HIGH PLASTICITY CLAY (CH)

LOW PLASTICITY SILT (ML)

LOW PLASTICITY CLAY (CL)

HIGH PLASTICITY ORGANIC CLAY (OH)

POORLY GRADED SAND WITH CLAY (SP-SC)

SILTY CLAY (CL-ML)

1 - SENSITIVE, FINE GRAINED SOILS

2 - ORGANIC SOILS, PEATS

3 - CLAY

4 - SILTY CLAY TO CLAY

5 - CLAYEY SILT TO SILTY CLAY

6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT

8 - SAND TO SILTY SAND

9 - SAND

B-11/C-13 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

I-5E

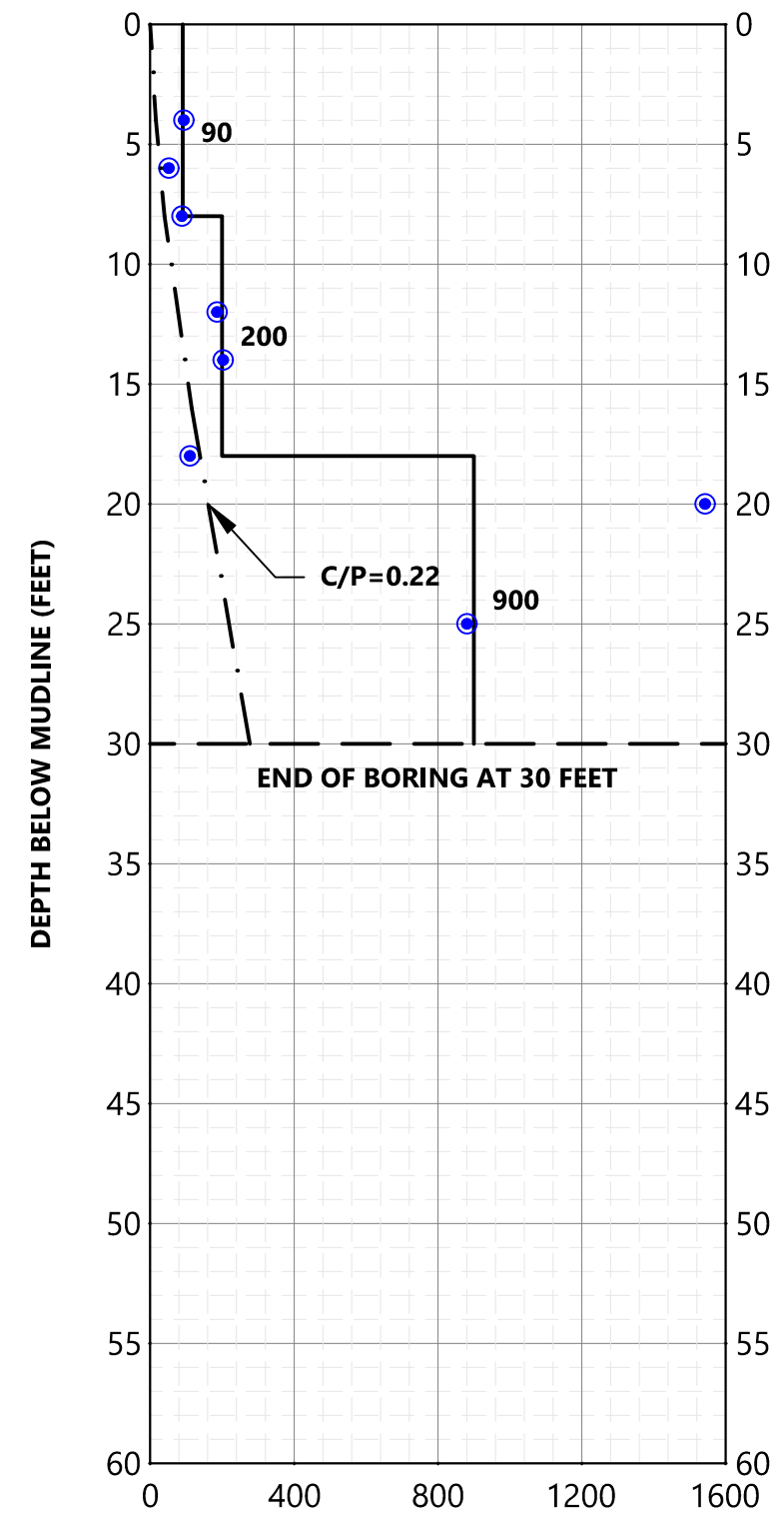
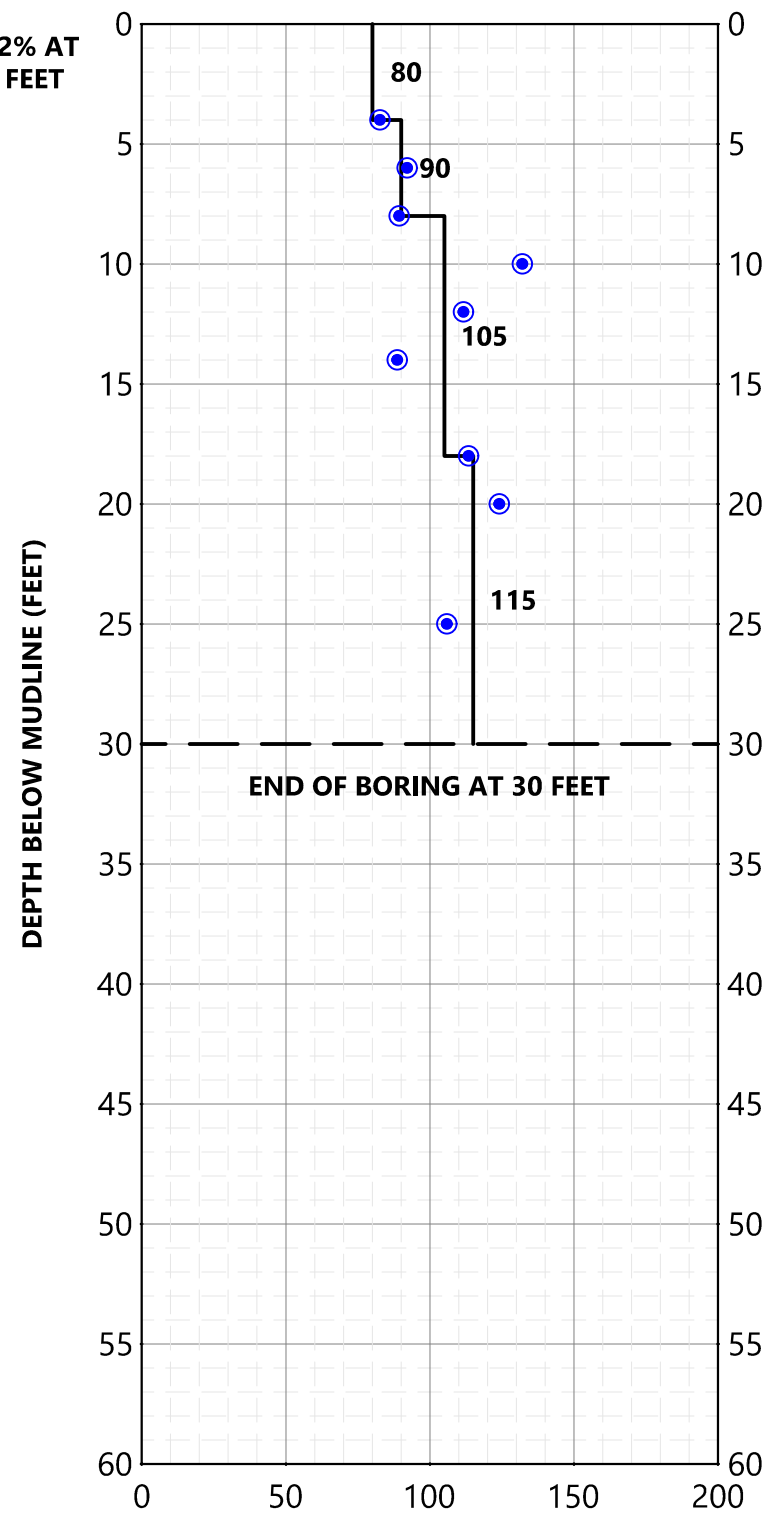
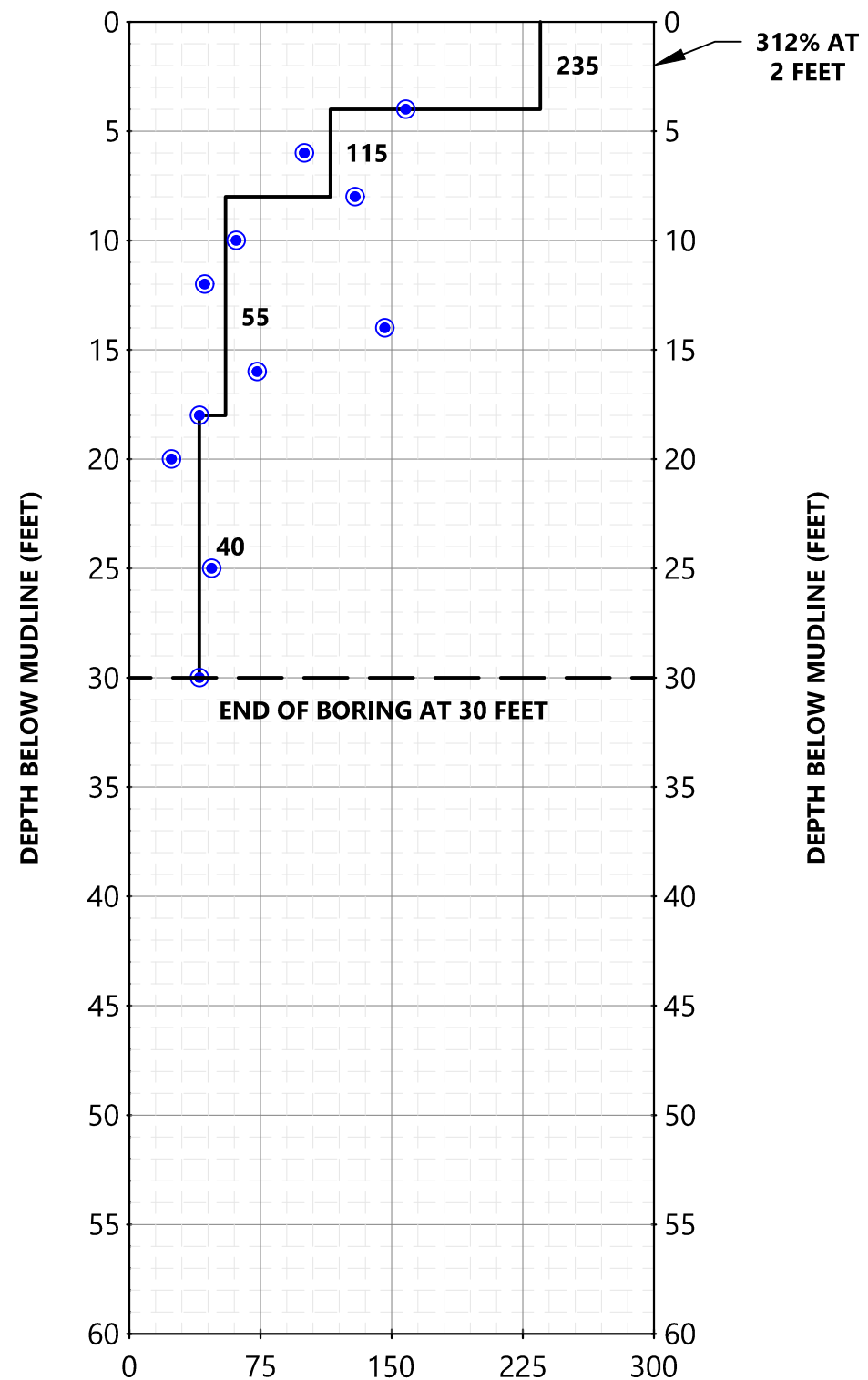
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MUDLINE ELEVATION
= -0.5 FEET

MOISTURE CONTENT (PERCENT)

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)

SHEAR STRENGTH (POUNDS PER SQUARE FOOT)



LEGEND

● B-17 BORING DATA
- - - C/P LINE

WELL-GRADED SAND (SW)

POORLY GRADED SAND (SP)

SILTY SAND (SM)

CLAYEY SAND (SC)

HIGH PLASTICITY CLAY (CH)

LOW PLASTICITY SILT (ML)

LOW PLASTICITY CLAY (CL)

HIGH PLASTICITY ORGANIC CLAY (OH)

POORLY GRADED SAND WITH CLAY (SP-SC)

SILTY CLAY (CL-ML)



B-17 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

I-5F

Drawing path: C:\Users\jvillamson\Desktop\PO-169 Boring Soil Parameter Plot\B18 TABLES.dwg

MUDLINE ELEVATION
= -2.4 FEET

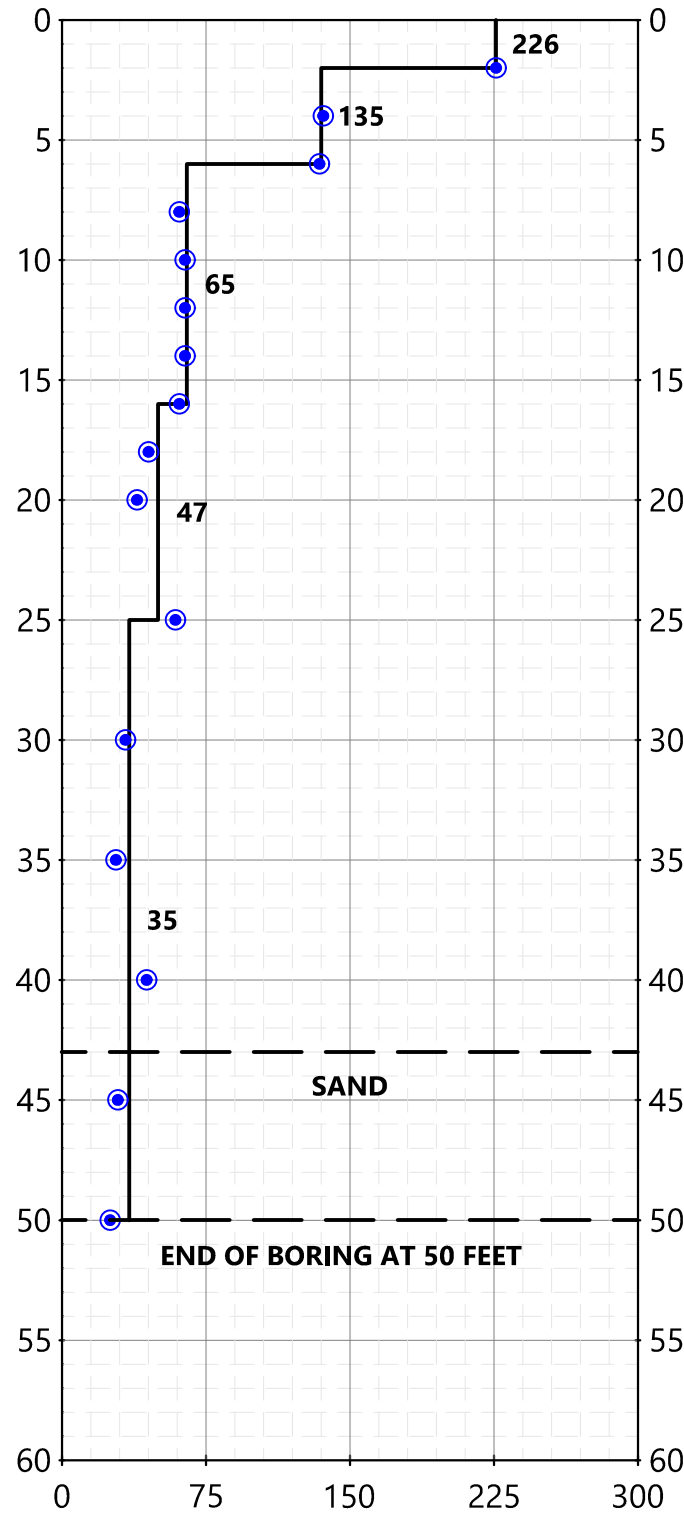
MOISTURE CONTENT (PERCENT)

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)

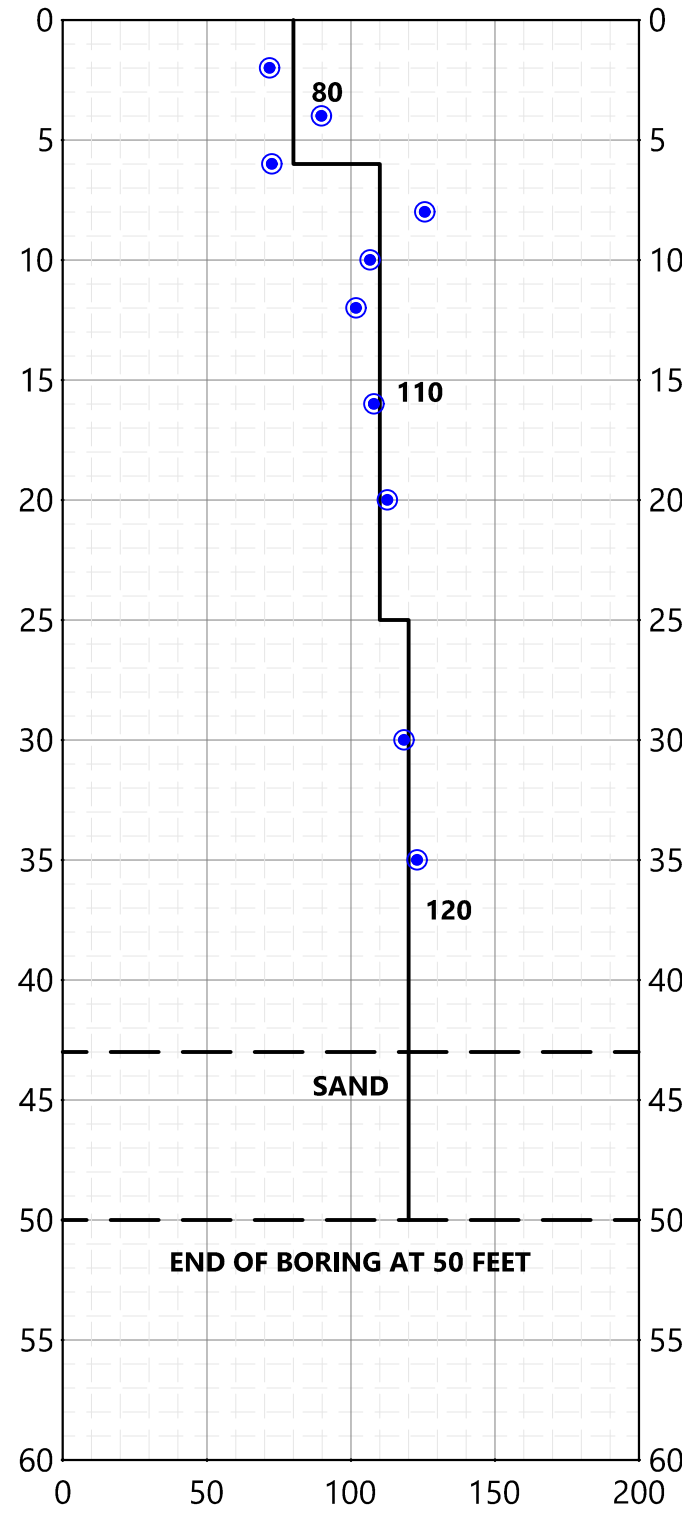
SHEAR STRENGTH (POUNDS PER SQUARE FOOT)



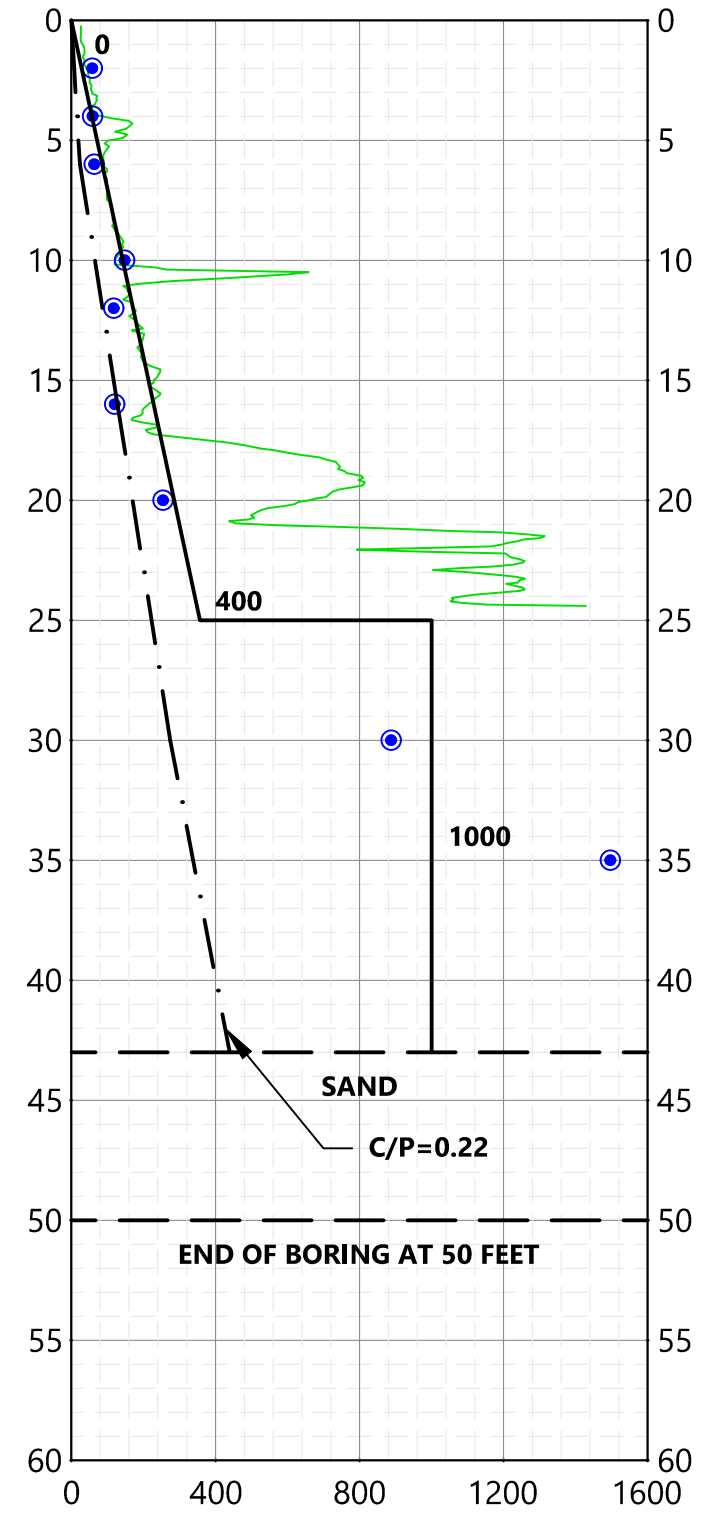
DEPTH BELOW MUDLINE (FEET)



DEPTH BELOW MUDLINE (FEET)



DEPTH BELOW MUDLINE (FEET)



LEGEND

● B-18 BORING DATA

— CPT DATA

- - - C/P LINE

POORLY GRADED SAND (SP)

WELL-GRADED SAND (SW)

SILTY SAND (SM)

CLAYEY SAND (SC)

HIGH PLASTICITY CLAY (CH)

LOW PLASTICITY SILT (ML)

LOW PLASTICITY CLAY (CL)

HIGH PLASTICITY ORGANIC CLAY (OH)

POORLY GRADED SAND WITH CLAY (SP-SC)

SILTY CLAY (CL-ML)

1 - SENSITIVE, FINE GRAINED SOILS

2 - ORGANIC SOILS, PEATS

3 - CLAY

4 - SILTY CLAY TO CLAY

5 - CLAYEY SILT TO SILTY CLAY

6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT

8 - SAND TO SILTY SAND

9 - SAND



B-18/C-20 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

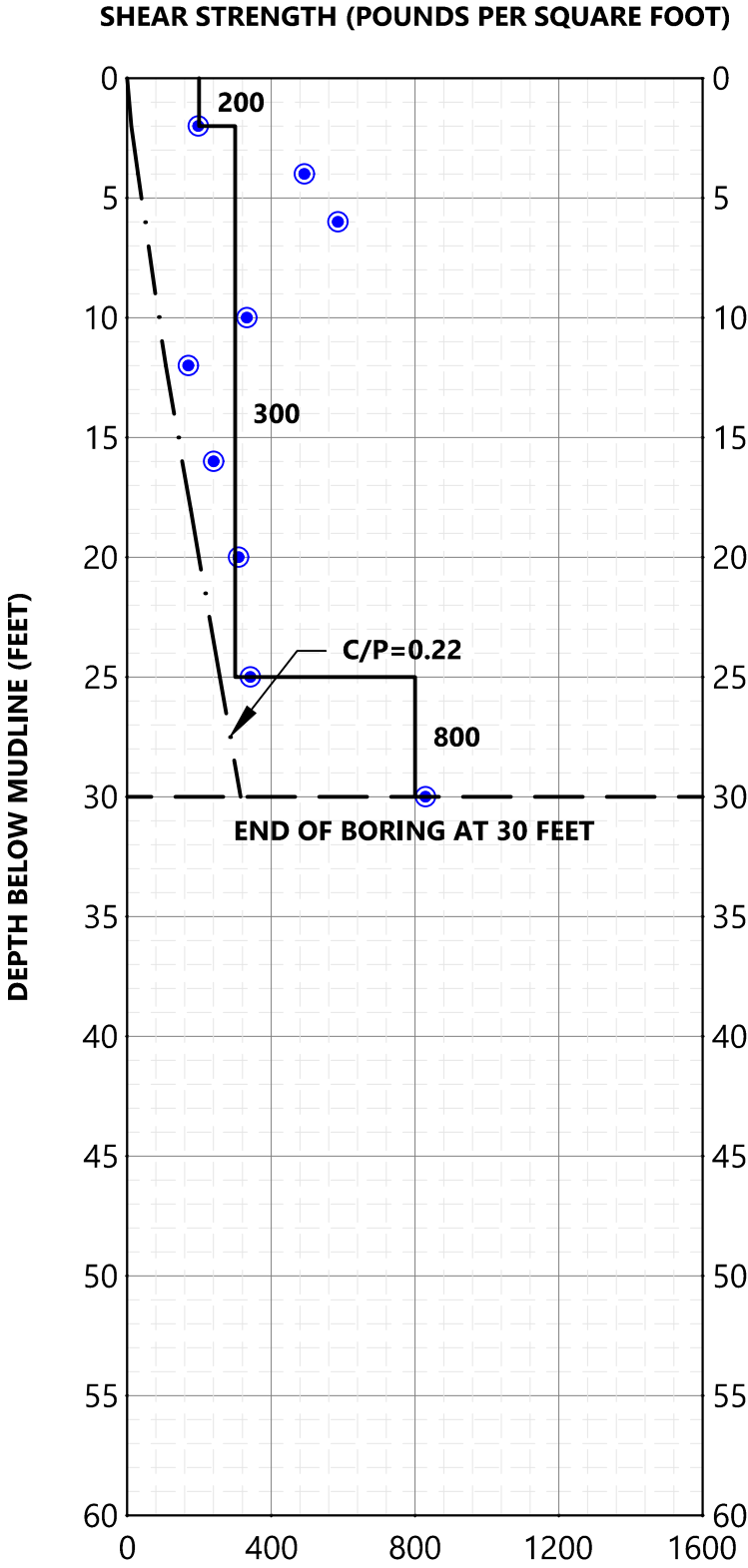
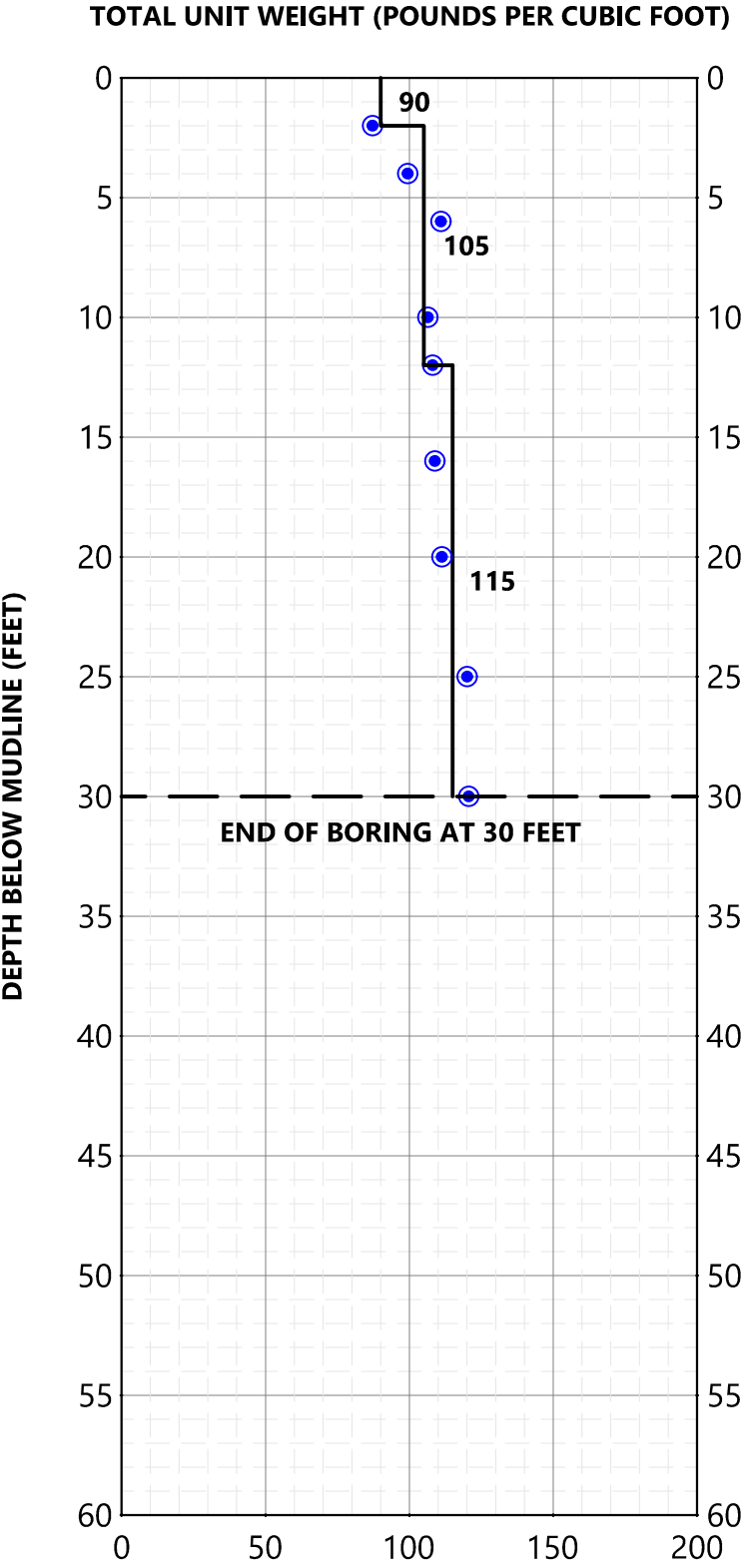
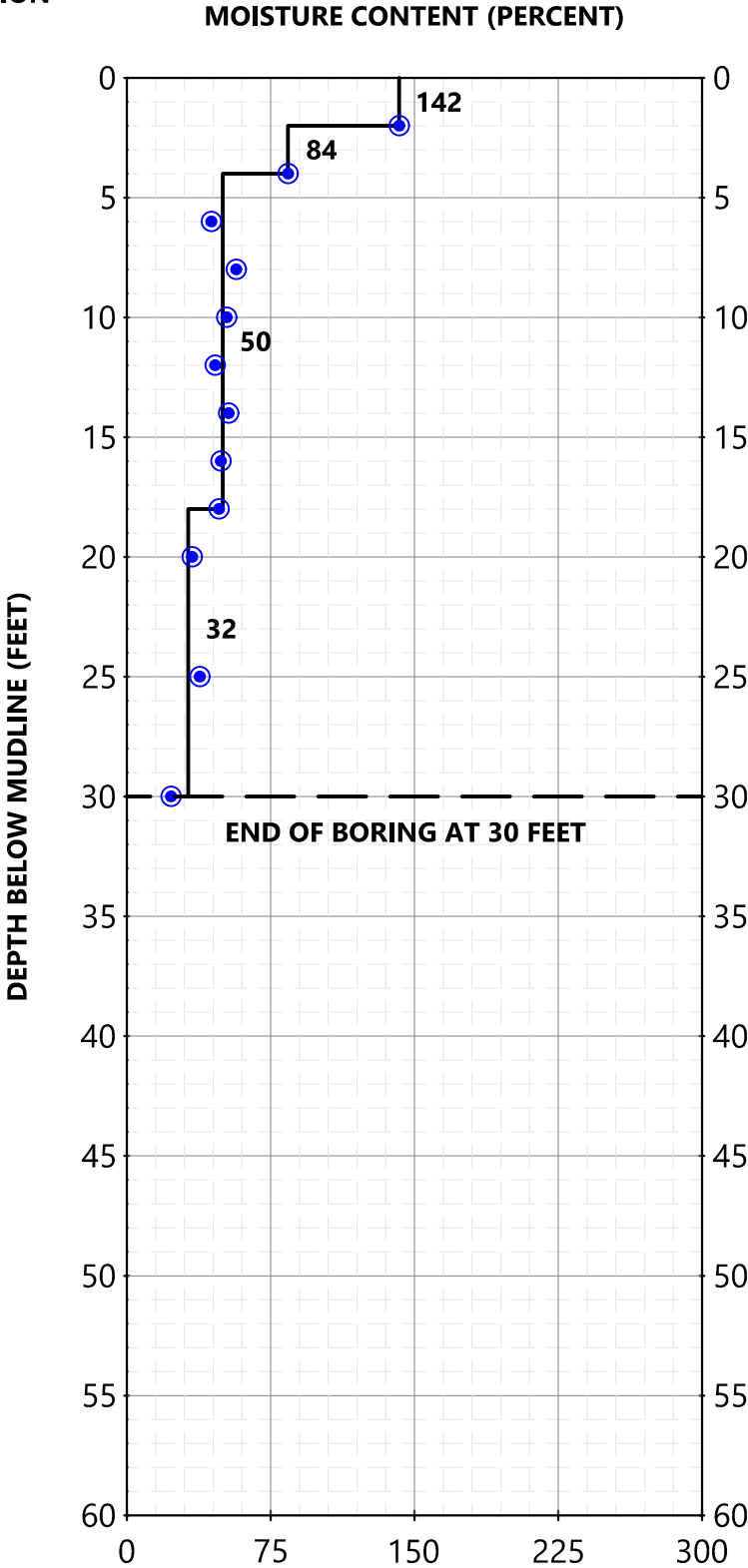
4585-17-006

FIGURE NO.

I-5G

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 Boring Soil Parameter Plot\B19 TABLES.dwg

MUDLINE ELEVATION
= -0.6 FEET



LEGEND

● B-19 BORING DATA
- - - C/P LINE

WELL-GRADED SAND (SW)

POORLY GRADED SAND (SP)

SILTY SAND (SM)

CLAYEY SAND (SC)

HIGH PLASTICITY CLAY (CH)

LOW PLASTICITY SILT (ML)

LOW PLASTICITY CLAY (CL)

HIGH PLASTICITY ORGANIC CLAY (OH)

POORLY GRADED SAND WITH CLAY (SP-SC)

SILTY CLAY (CL-ML)



B-19 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

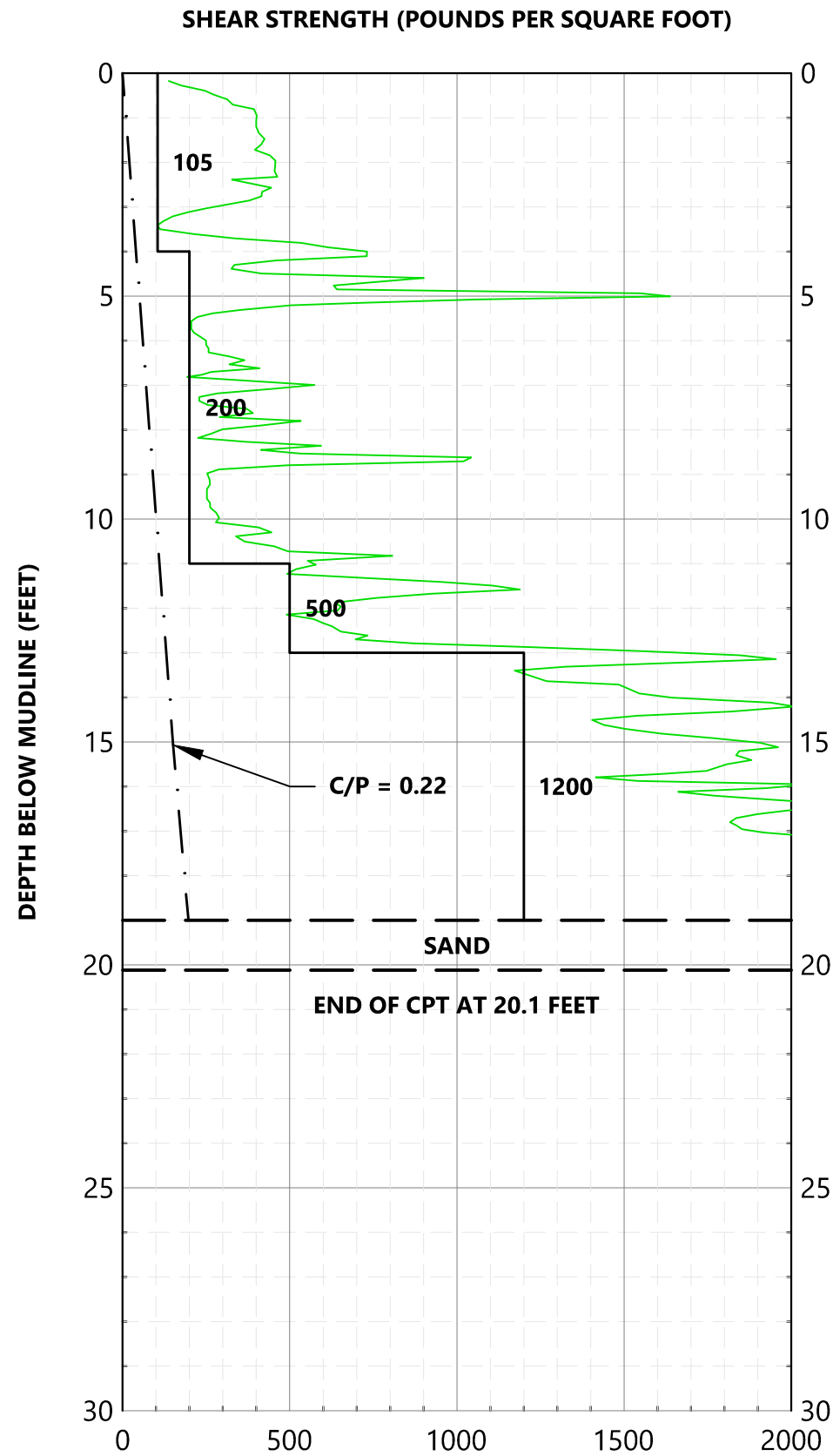
4585-17-006

FIGURE NO.

I-5H

Drawing path: C:\Users\jwilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C1_STRENGTH PLOT.dwg

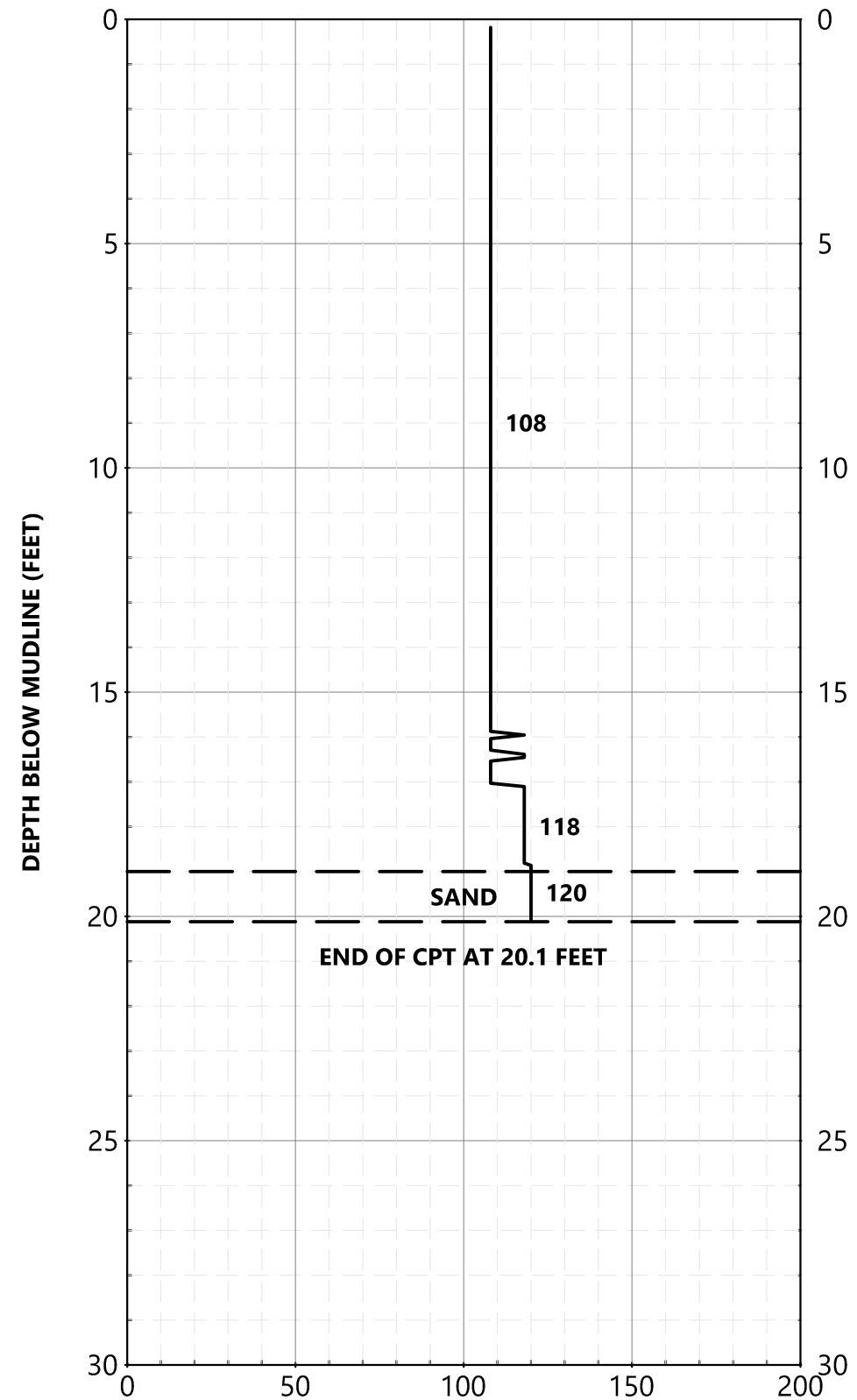
MUDLINE ELEVATION
= -1.8 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-1 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

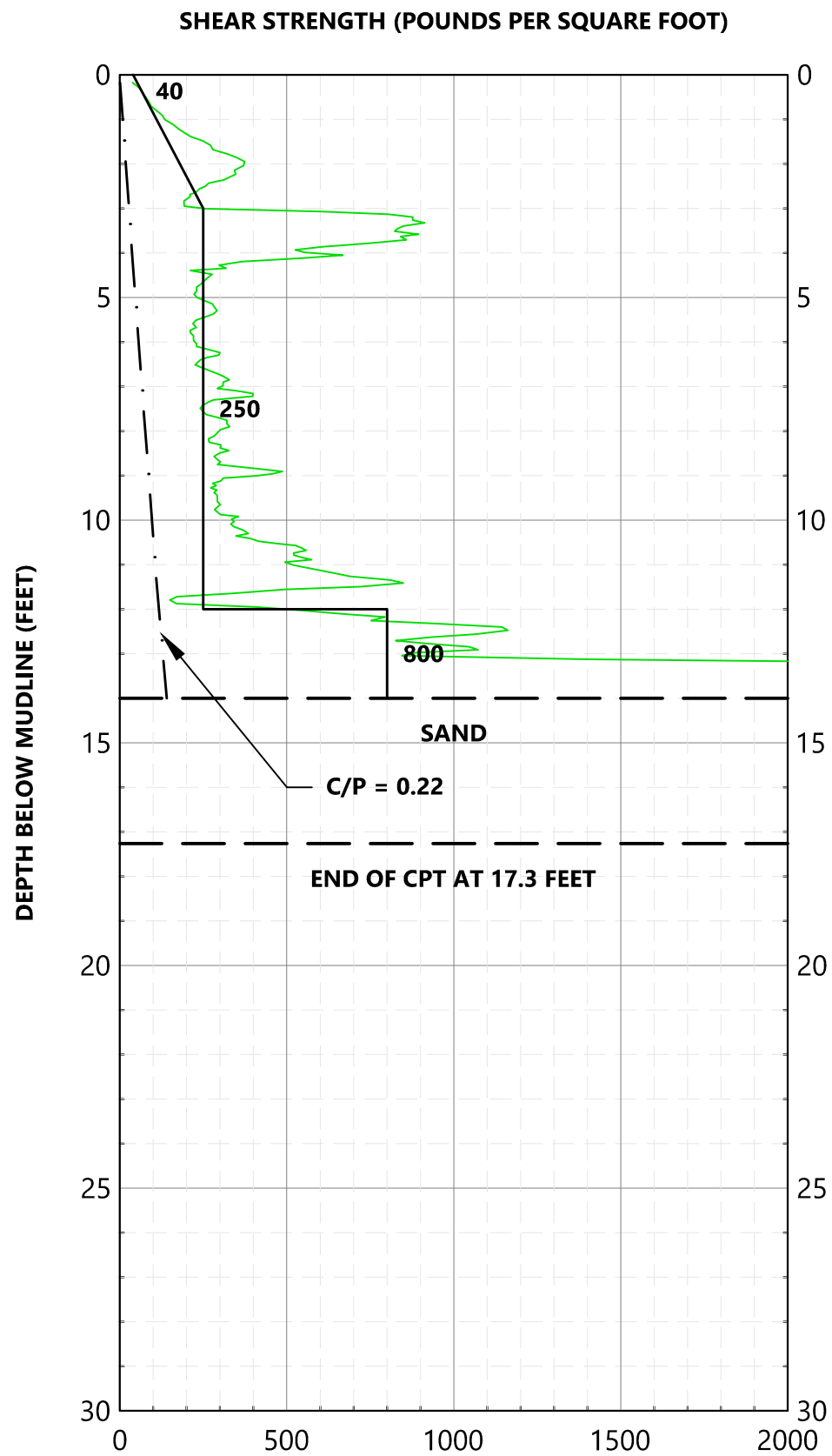
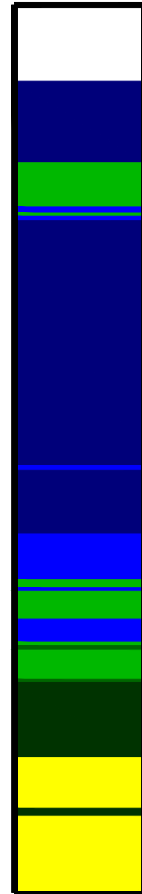
FIGURE NO.

I-51

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C2_STRENGTH PLOT.dwg

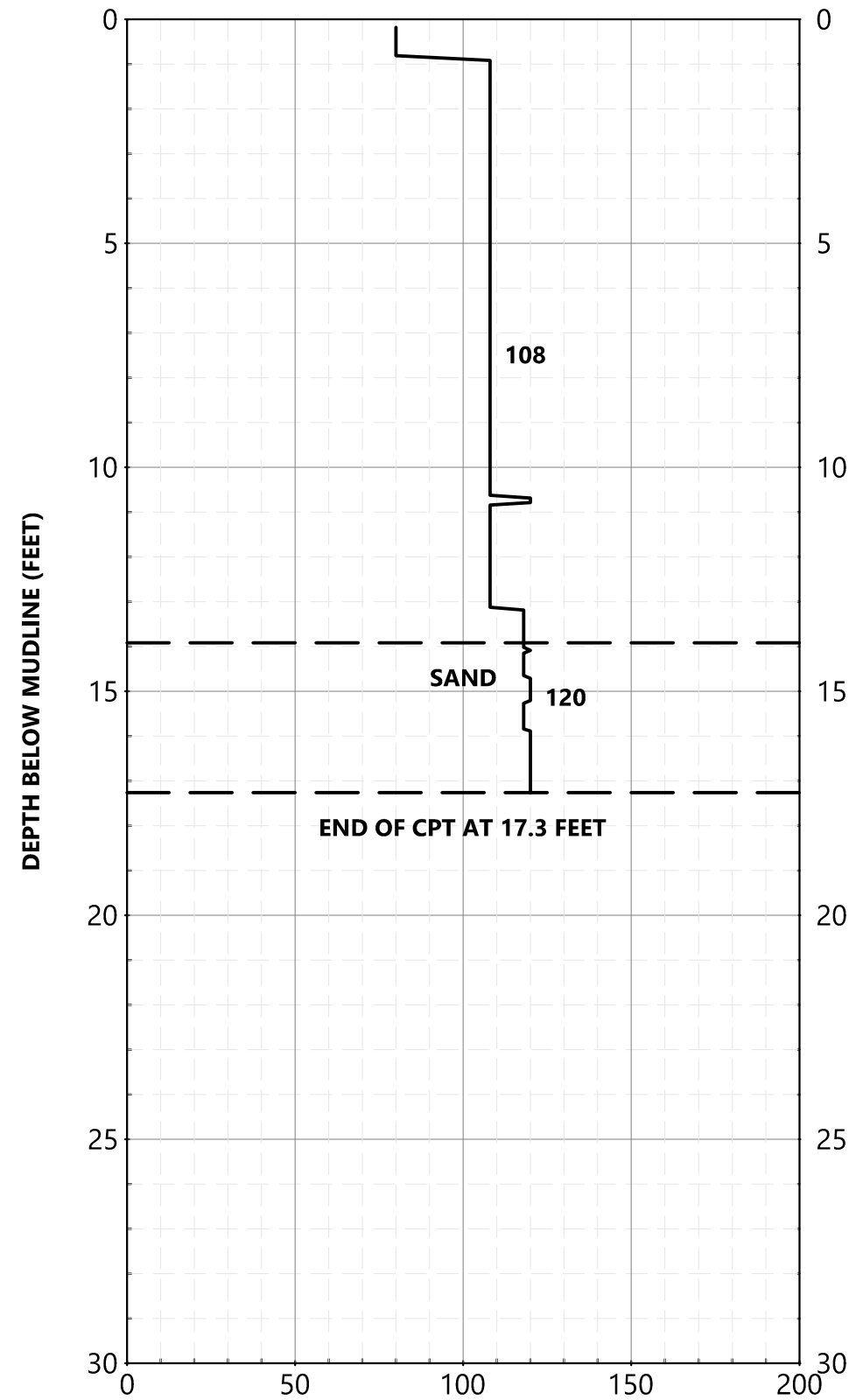
MUDLINE ELEVATION
= -2.9 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-2 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

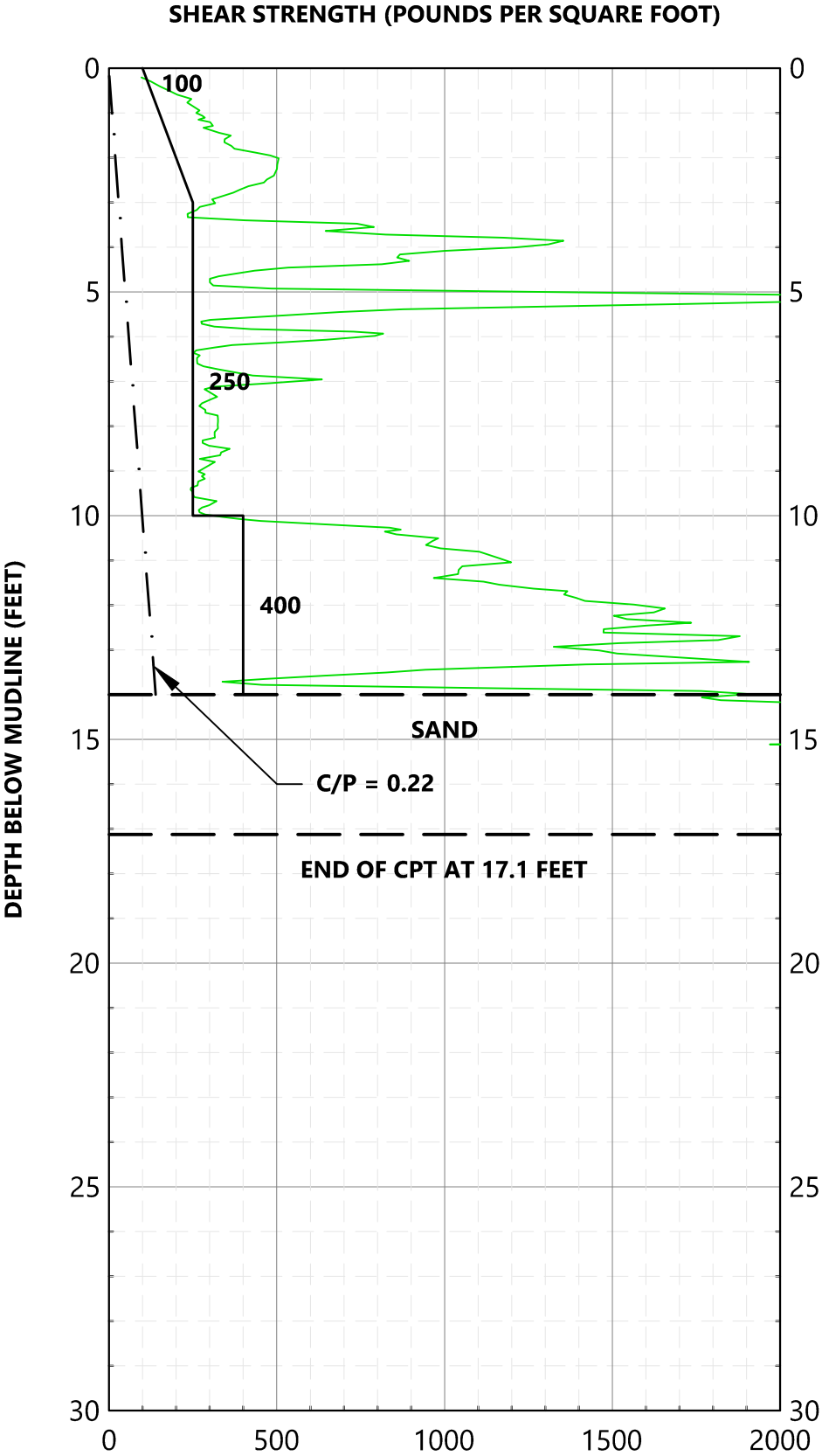
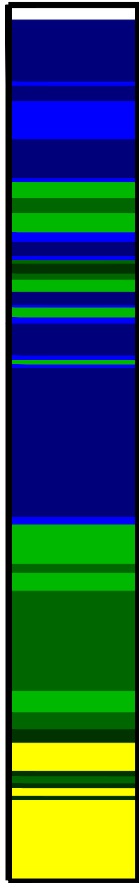
FIGURE NO.

I-5J

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C3_STRENGTH PLOT.dwg

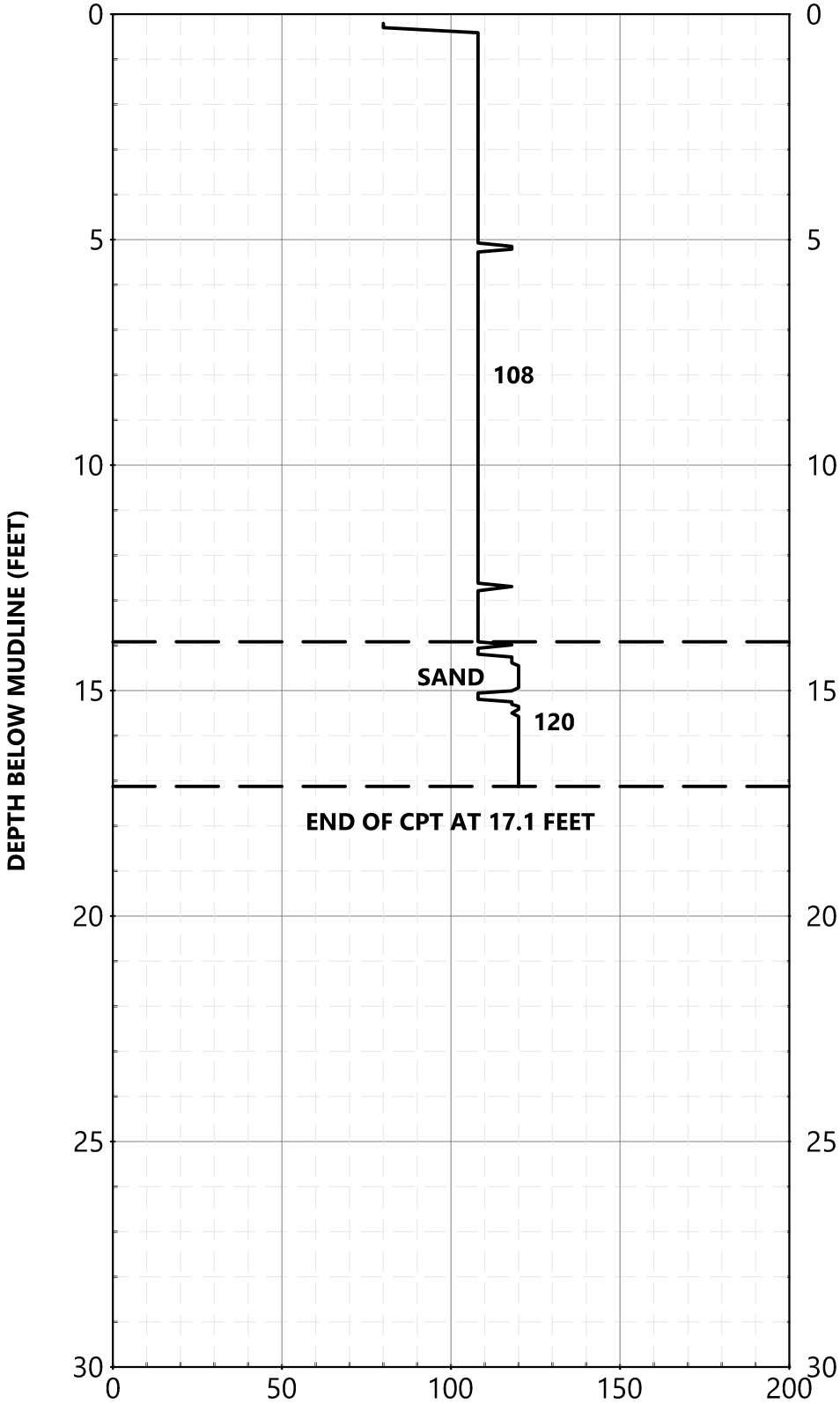
MUDLINE ELEVATION
= -2.4 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-3 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

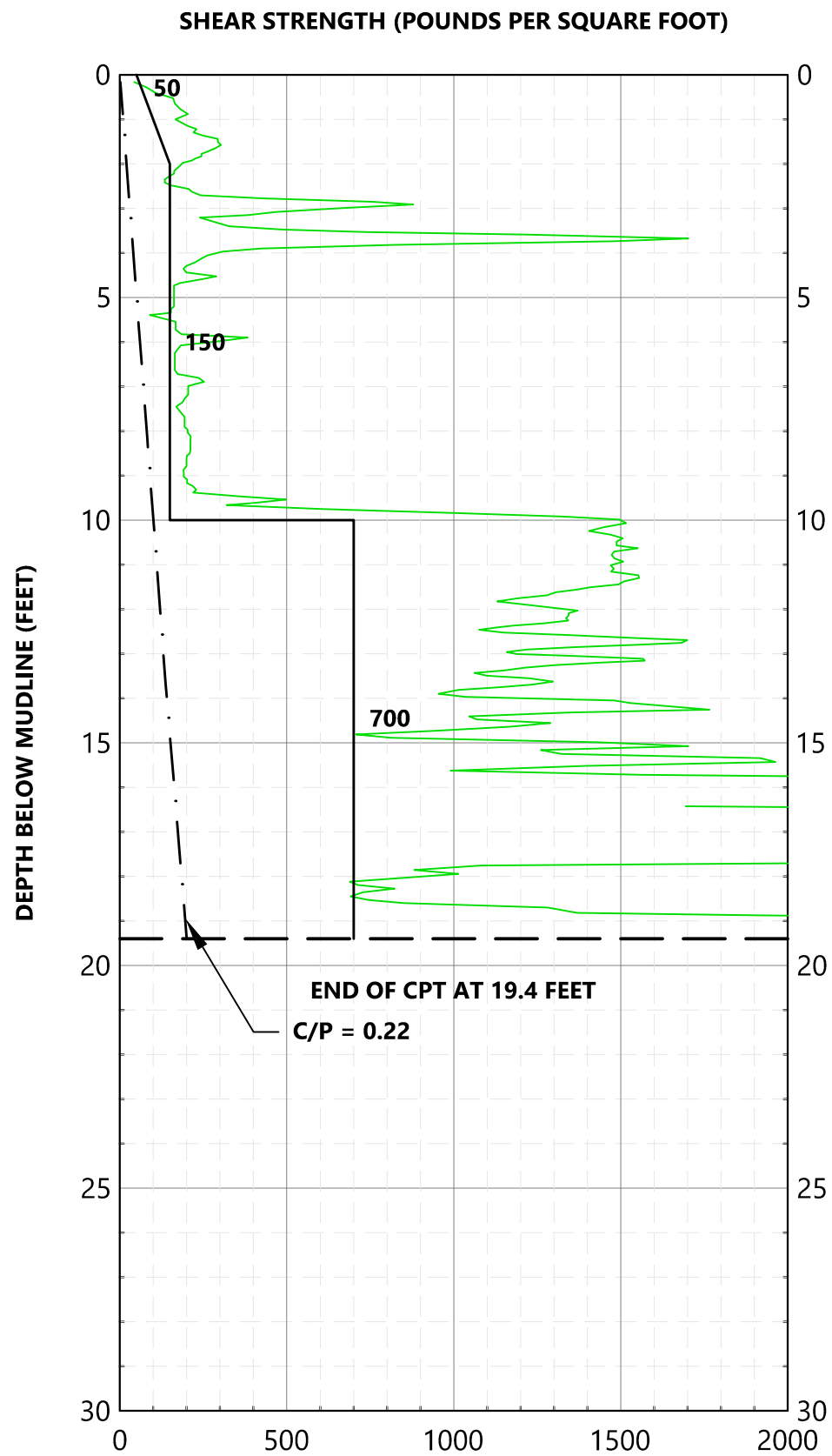
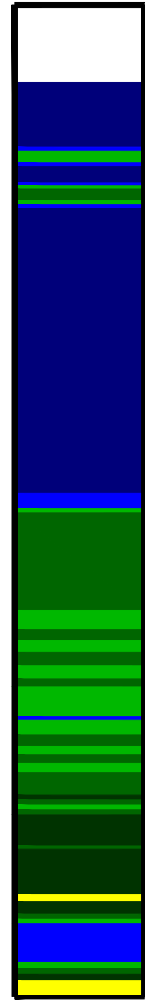
FIGURE NO.

I-5K

DRAFT

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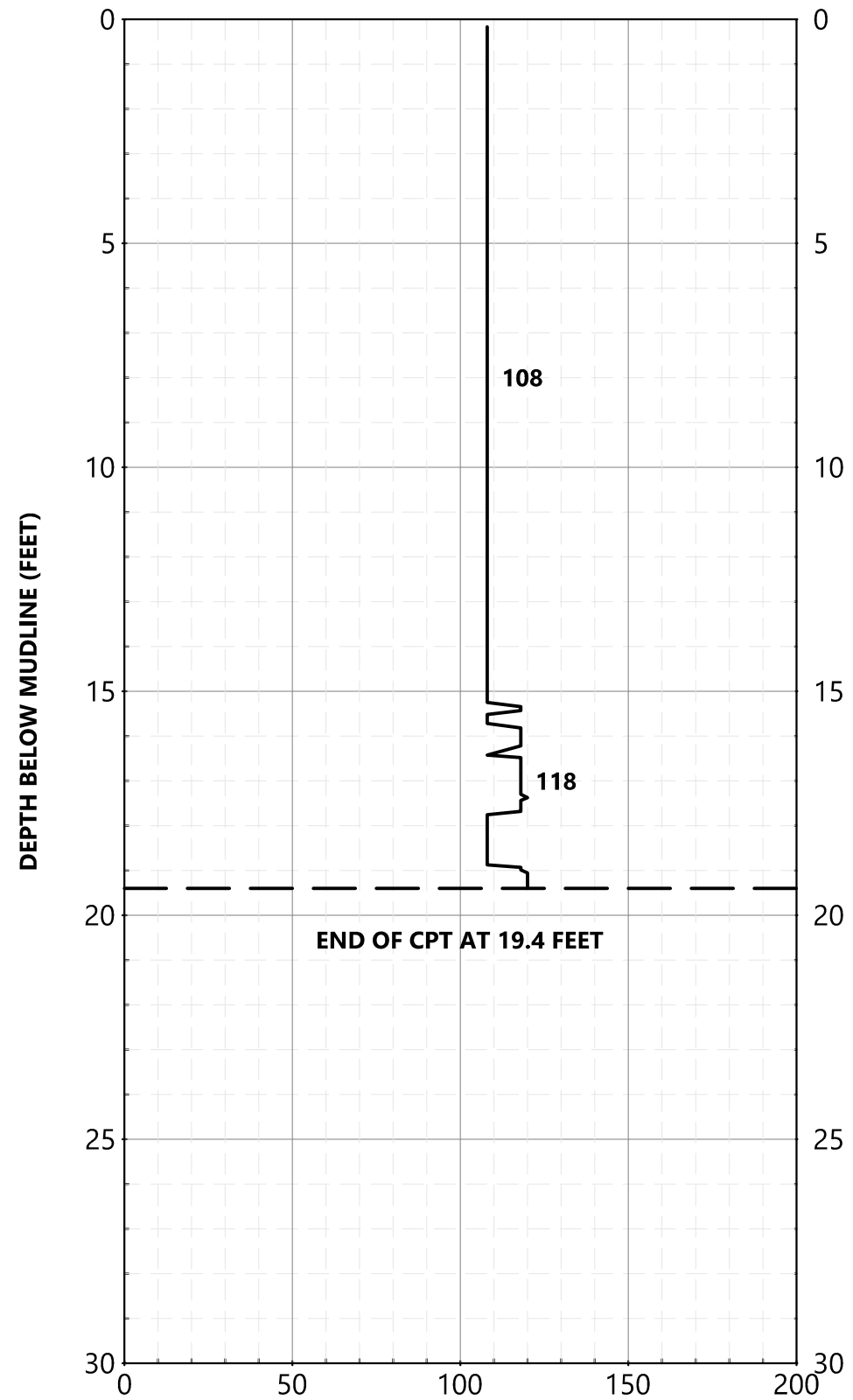
MUDLINE ELEVATION
= -2.1 FEET



LEGEND

CPT DATA	1 - SENSITIVE, FINE GRAINED SOILS	4 - SILTY CLAY TO CLAY	7 - SILTY SAND TO SANDY SILT
C/P LINE	2 - ORGANIC SOILS, PEATS	5 - CLAYEY SILT TO SILTY CLAY	8 - SAND TO SILTY SAND
	3 - CLAY	6 - SANDY SILT TO CLAYEY SILT	9 - SAND

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-5 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

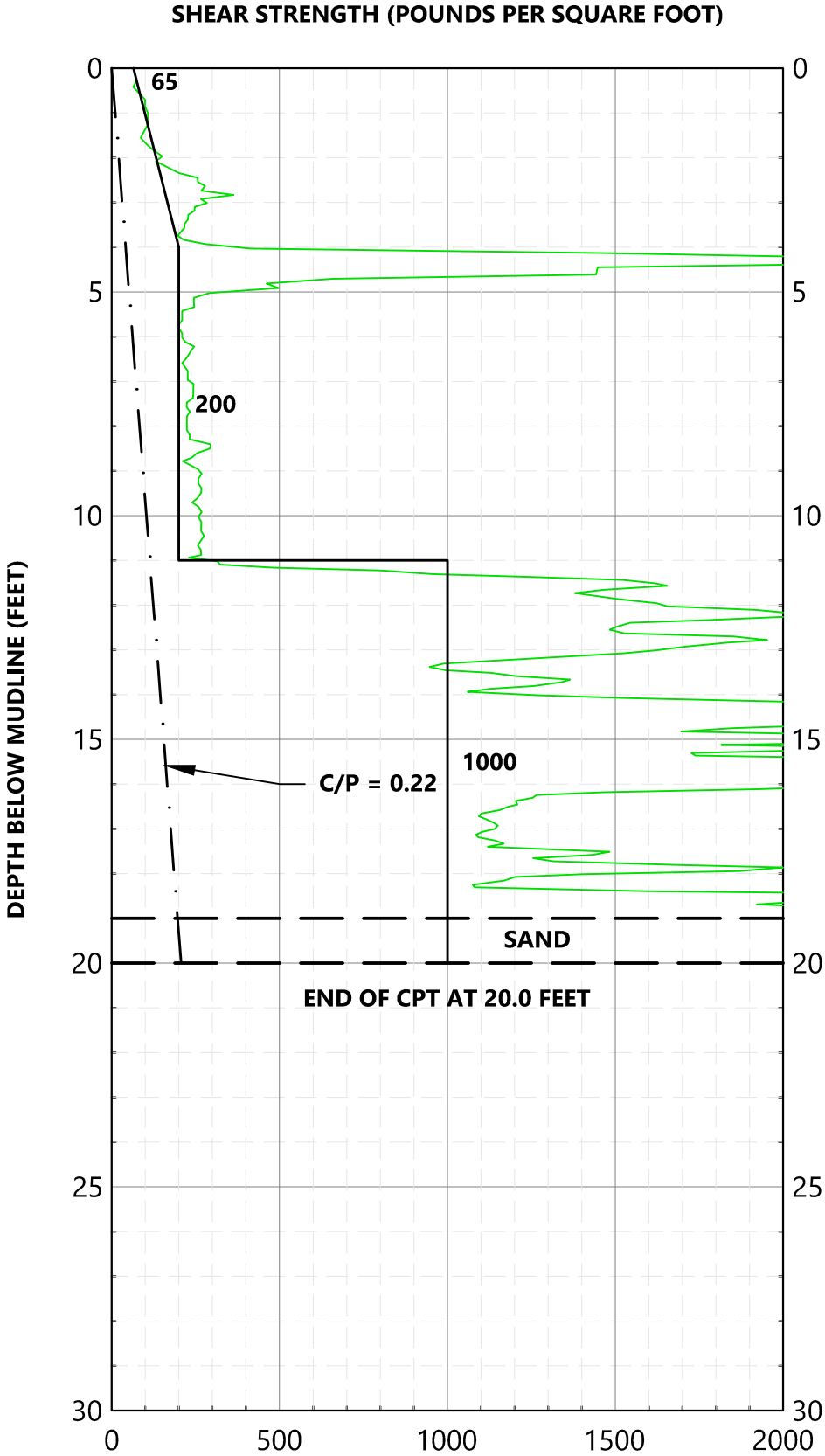
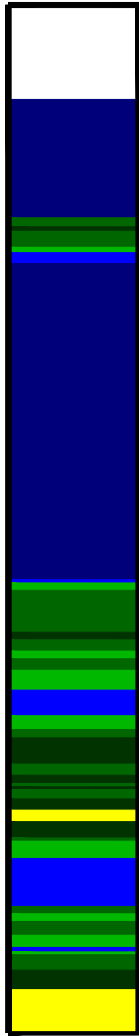
FIGURE NO.

I-5L

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C6_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= -2.4 FEET



LEGEND

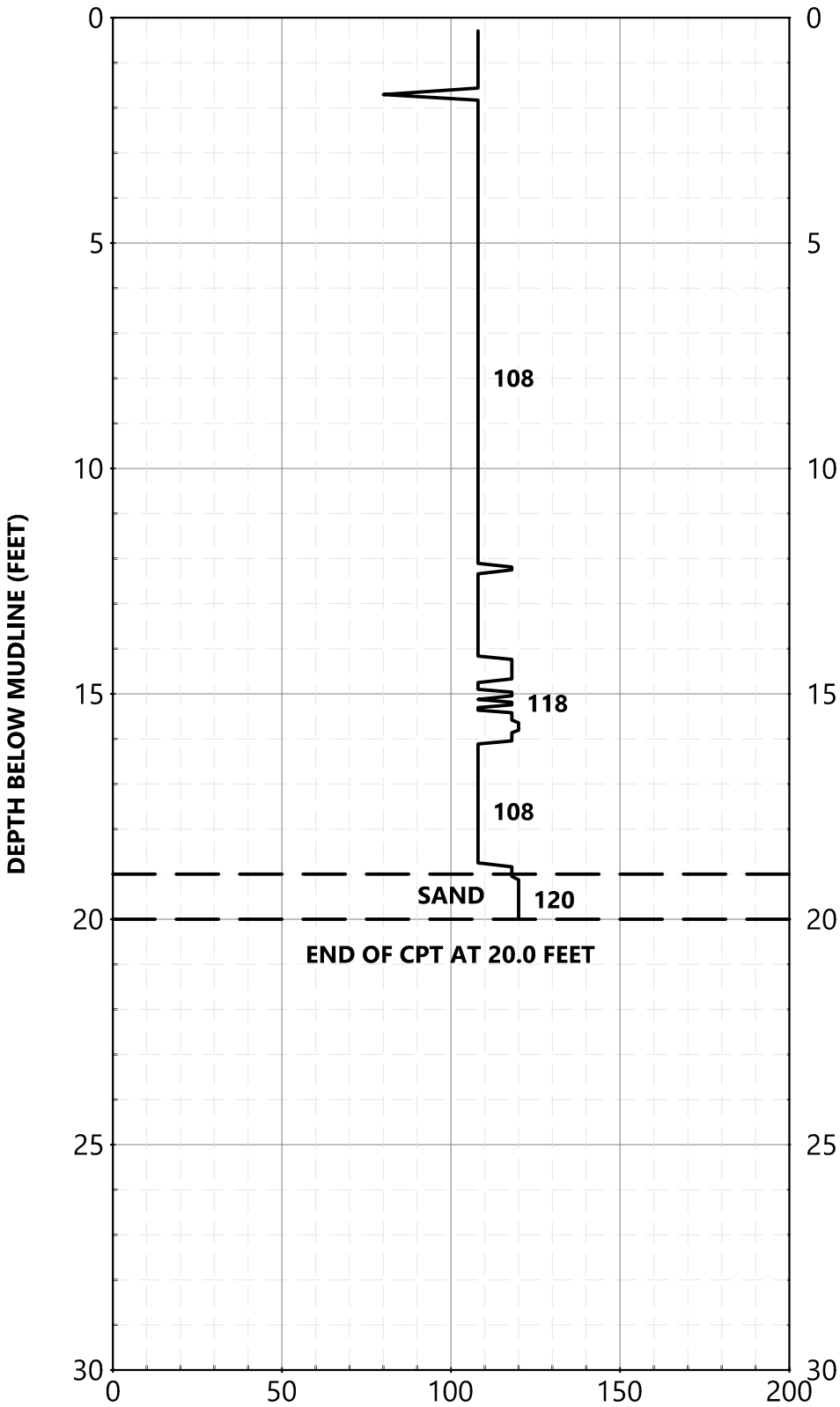
— CPT DATA
- - - C/P LINE

1 - SENSITIVE, FINE GRAINED SOILS
2 - ORGANIC SOILS, PEATS
3 - CLAY

4 - SILTY CLAY TO CLAY
5 - CLAYEY SILT TO SILTY CLAY
6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT
8 - SAND TO SILTY SAND
9 - SAND

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-6 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

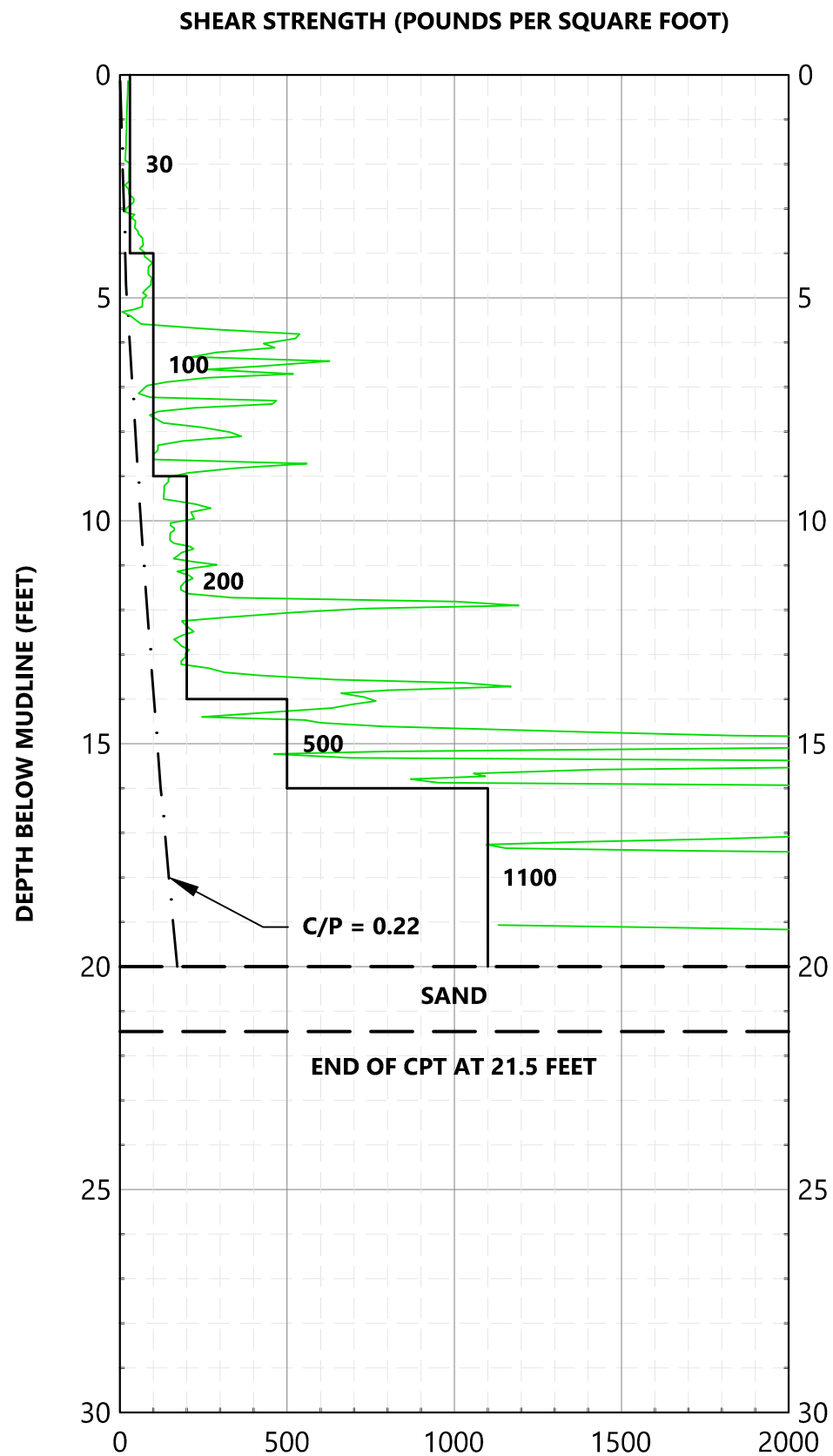
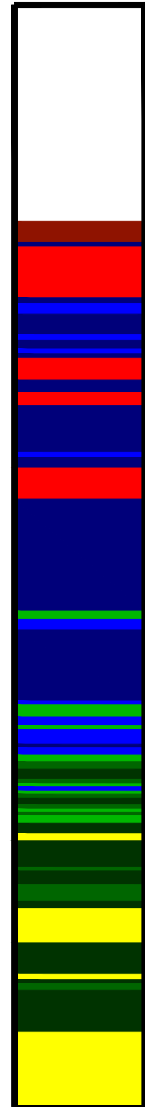
FIGURE NO.

I-5M

DRAFT

Drawing path: C:\Users\yavillamson\Desktop\PO-169 CPT Soil Parameter Plot\C7_STRENGTH PLOT.dwg

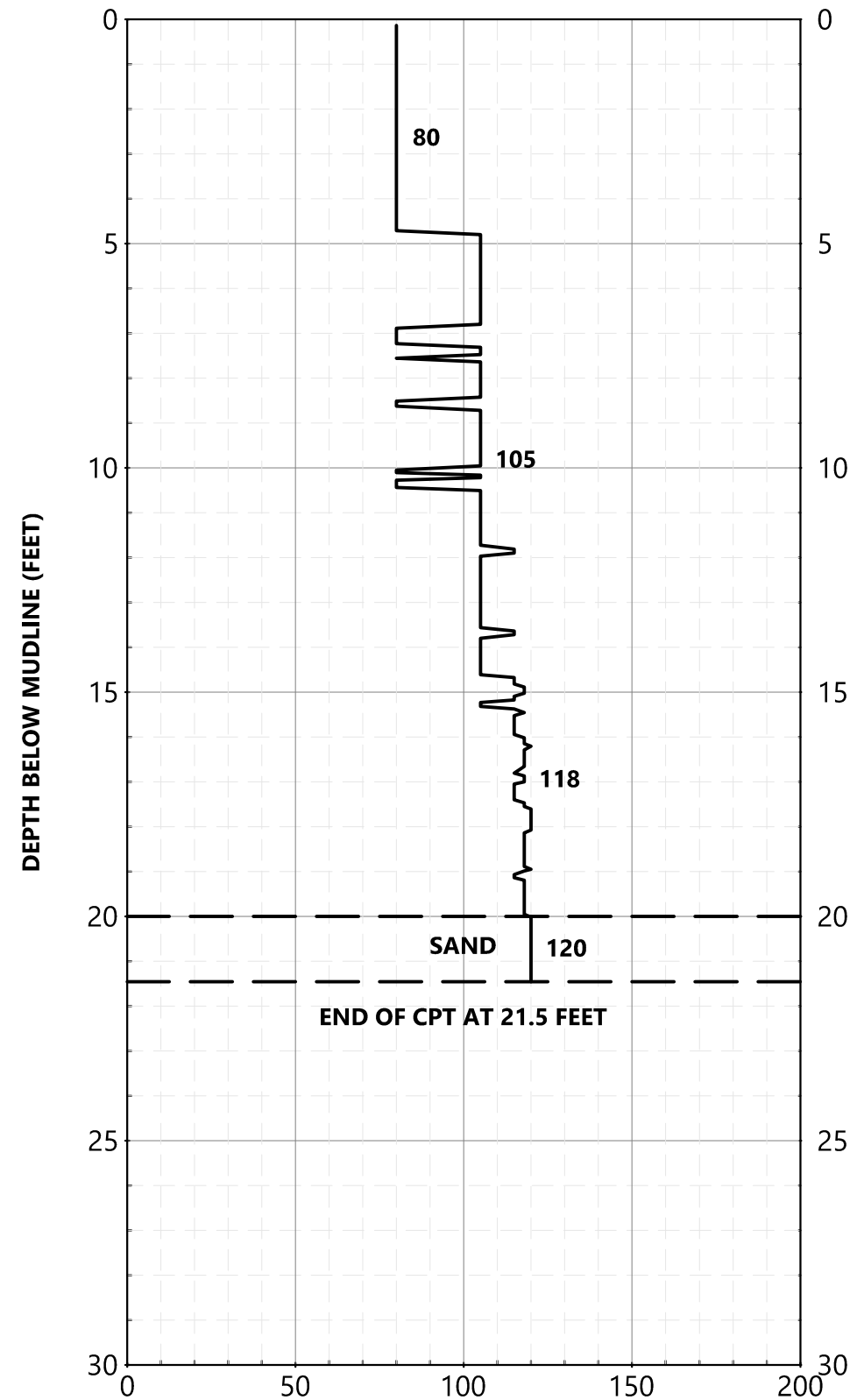
MUDLINE ELEVATION
= -2.0 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-7 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

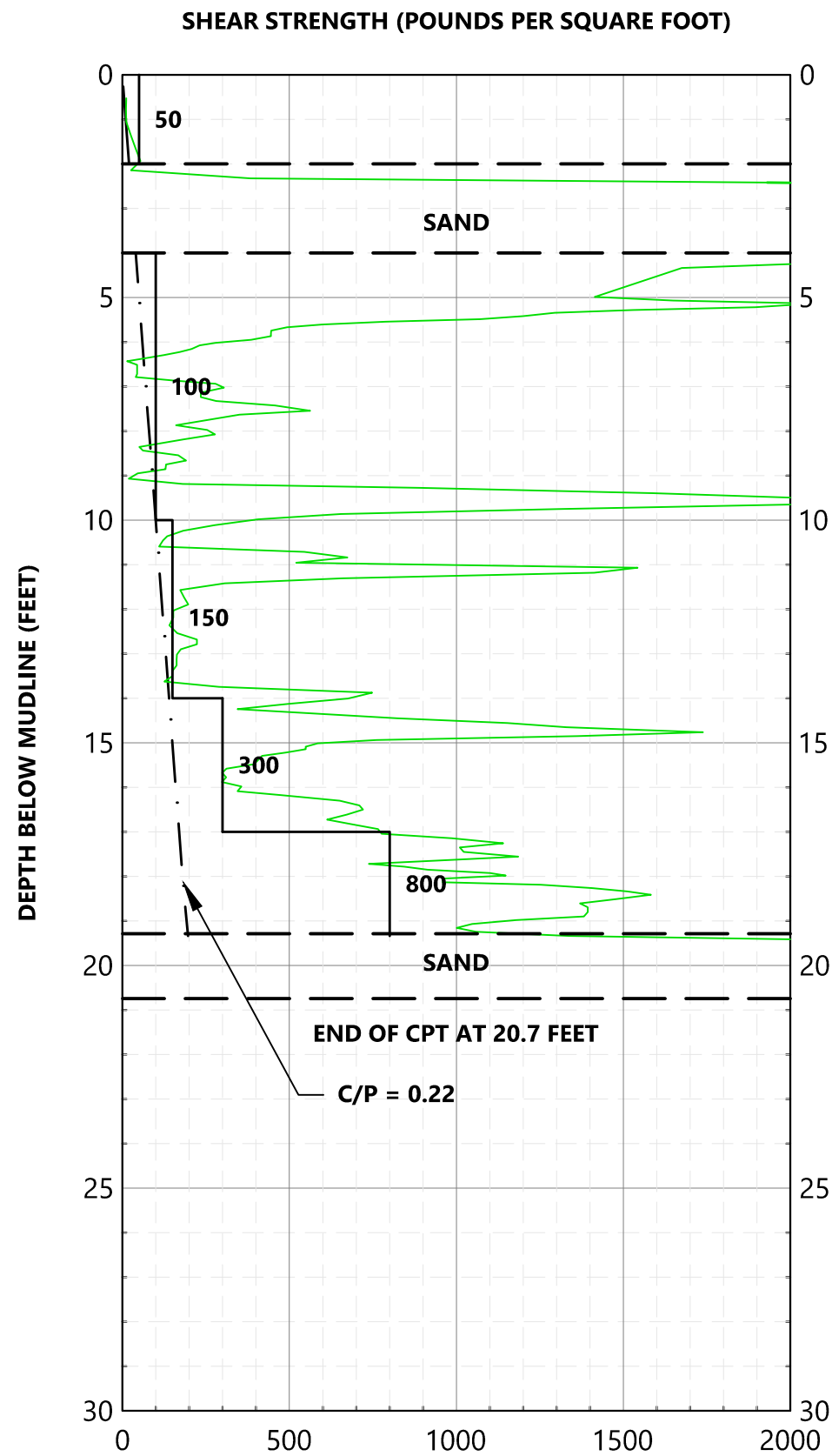
FIGURE NO.

I-5N

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C8_STRENGTH PLOT.dwg

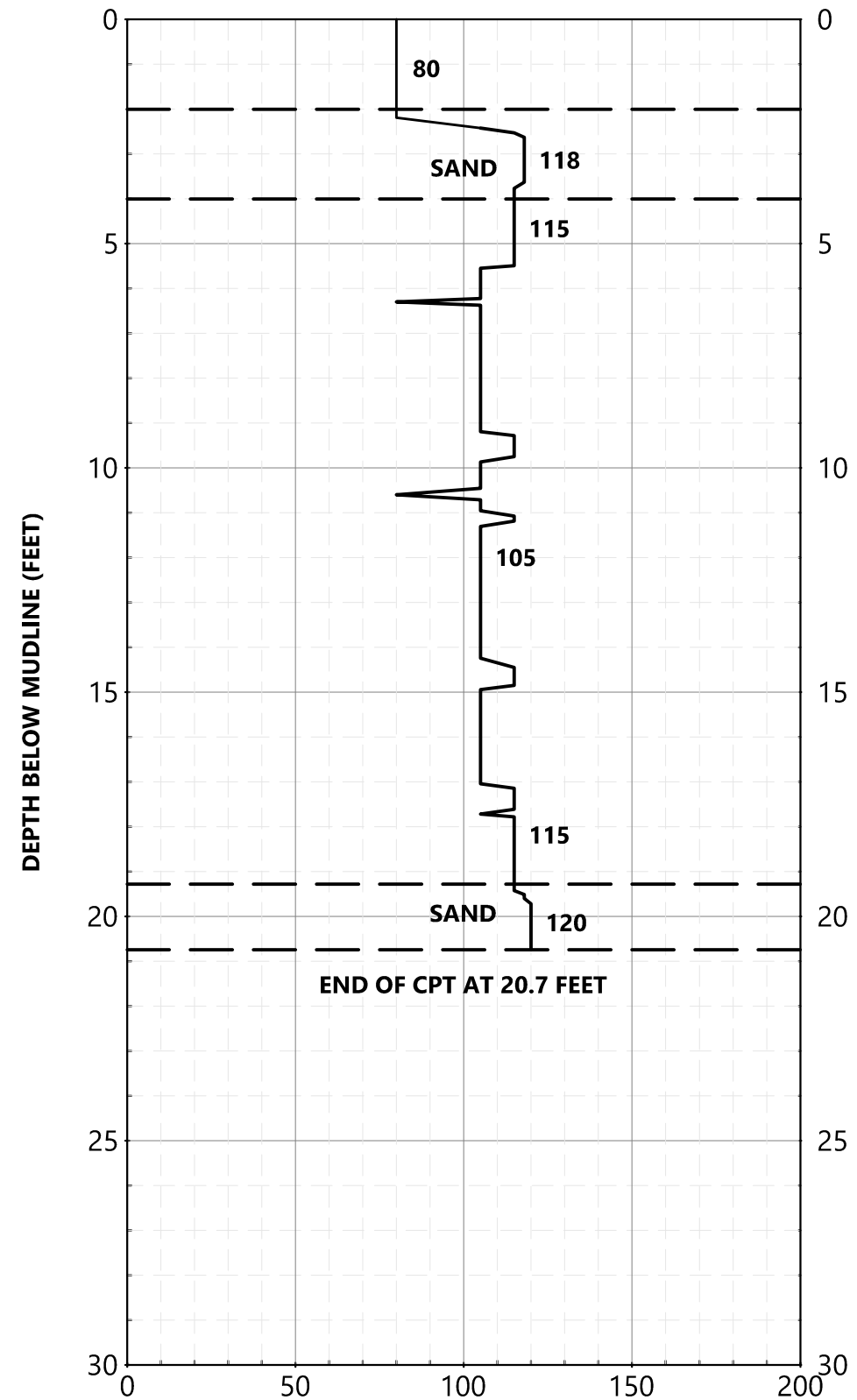
MUDLINE ELEVATION
= -3.6 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-8 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

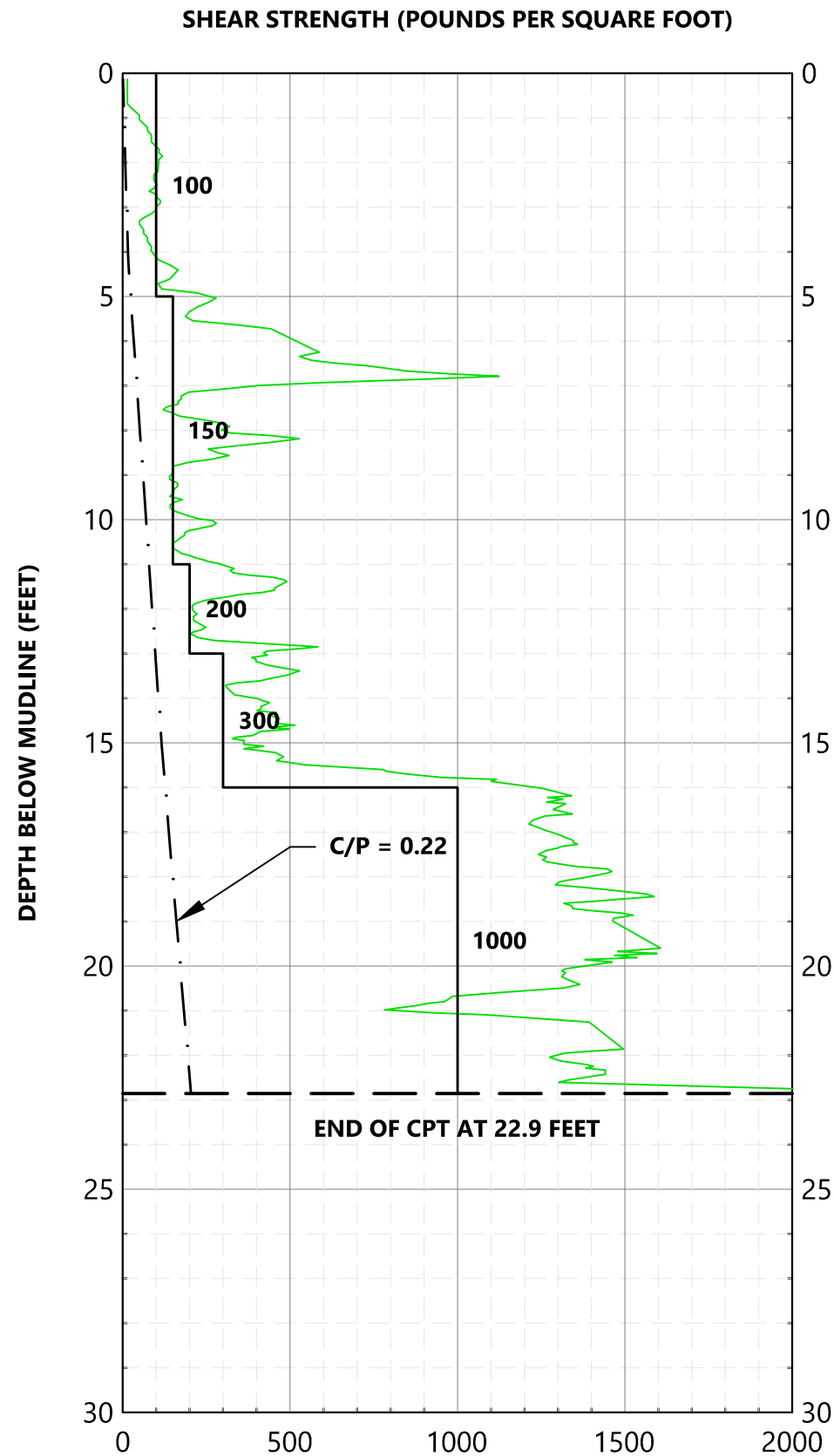
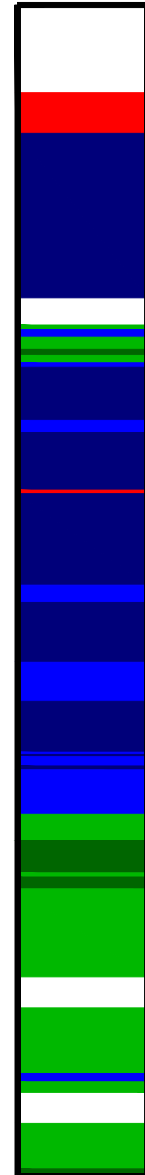
FIGURE NO.

I-50

DRAFT

Drawing path: C:\Users\yavillamson\Desktop\PO-169 CPT Soil Parameter Plot\C9_STRENGTH PLOT.dwg

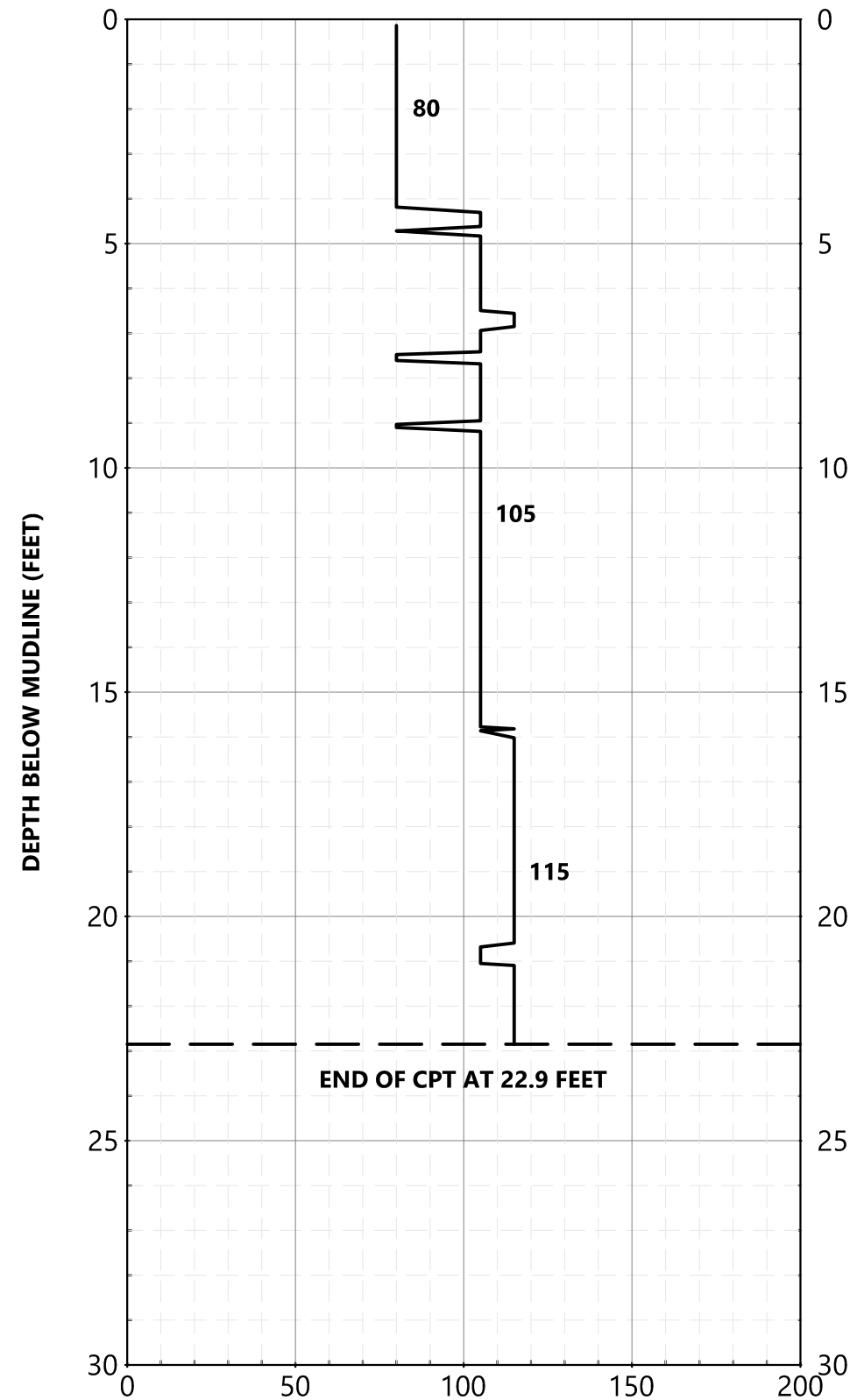
MUDLINE ELEVATION
= -2.9 FEET



LEGEND

CPT DATA	1 - SENSITIVE, FINE GRAINED SOILS	4 - SILTY CLAY TO CLAY	7 - SILTY SAND TO SANDY SILT
C/P LINE	2 - ORGANIC SOILS, PEATS	5 - CLAYEY SILT TO SILTY CLAY	8 - SAND TO SILTY SAND
	3 - CLAY	6 - SANDY SILT TO CLAYEY SILT	9 - SAND

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-9 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

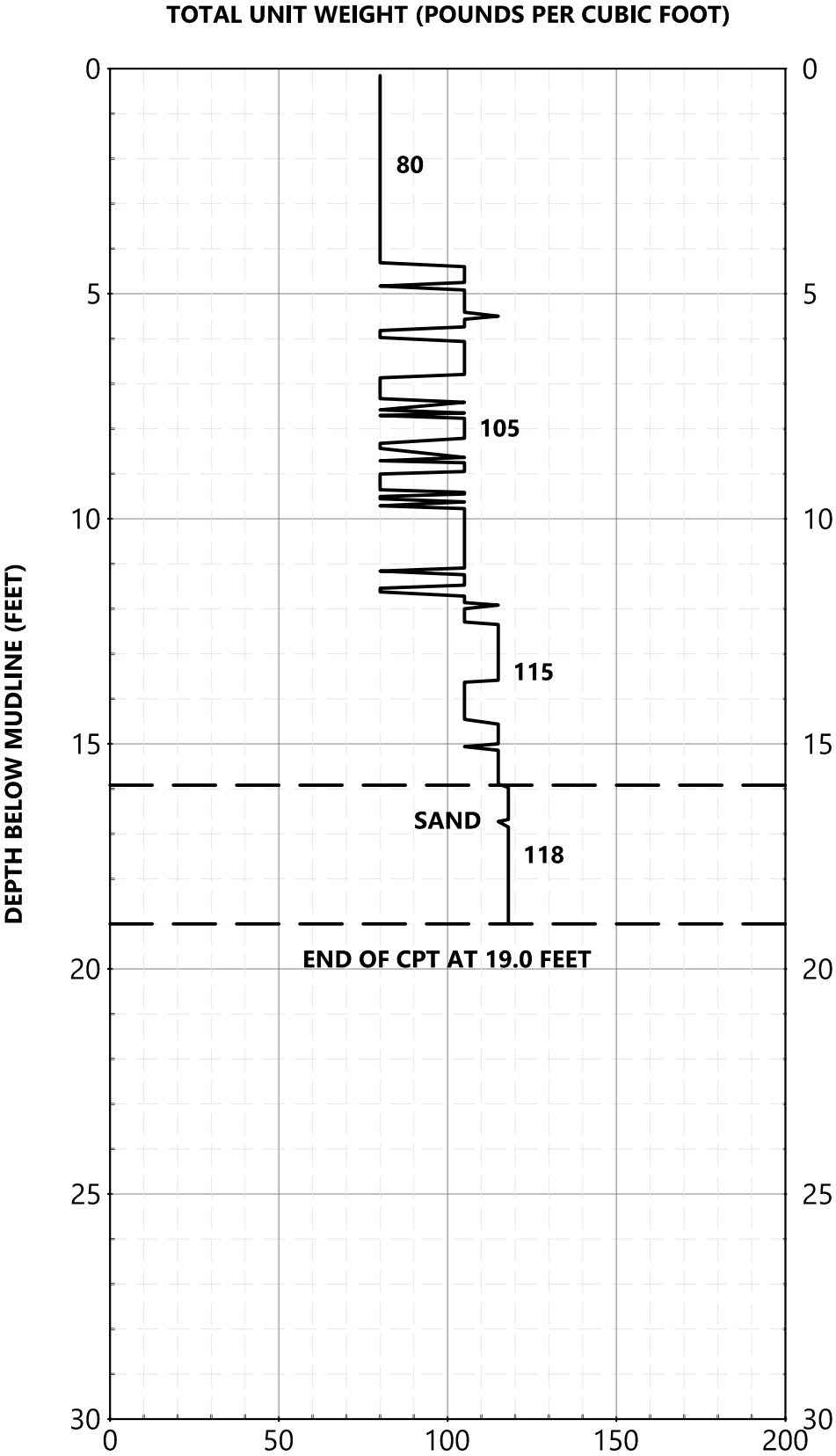
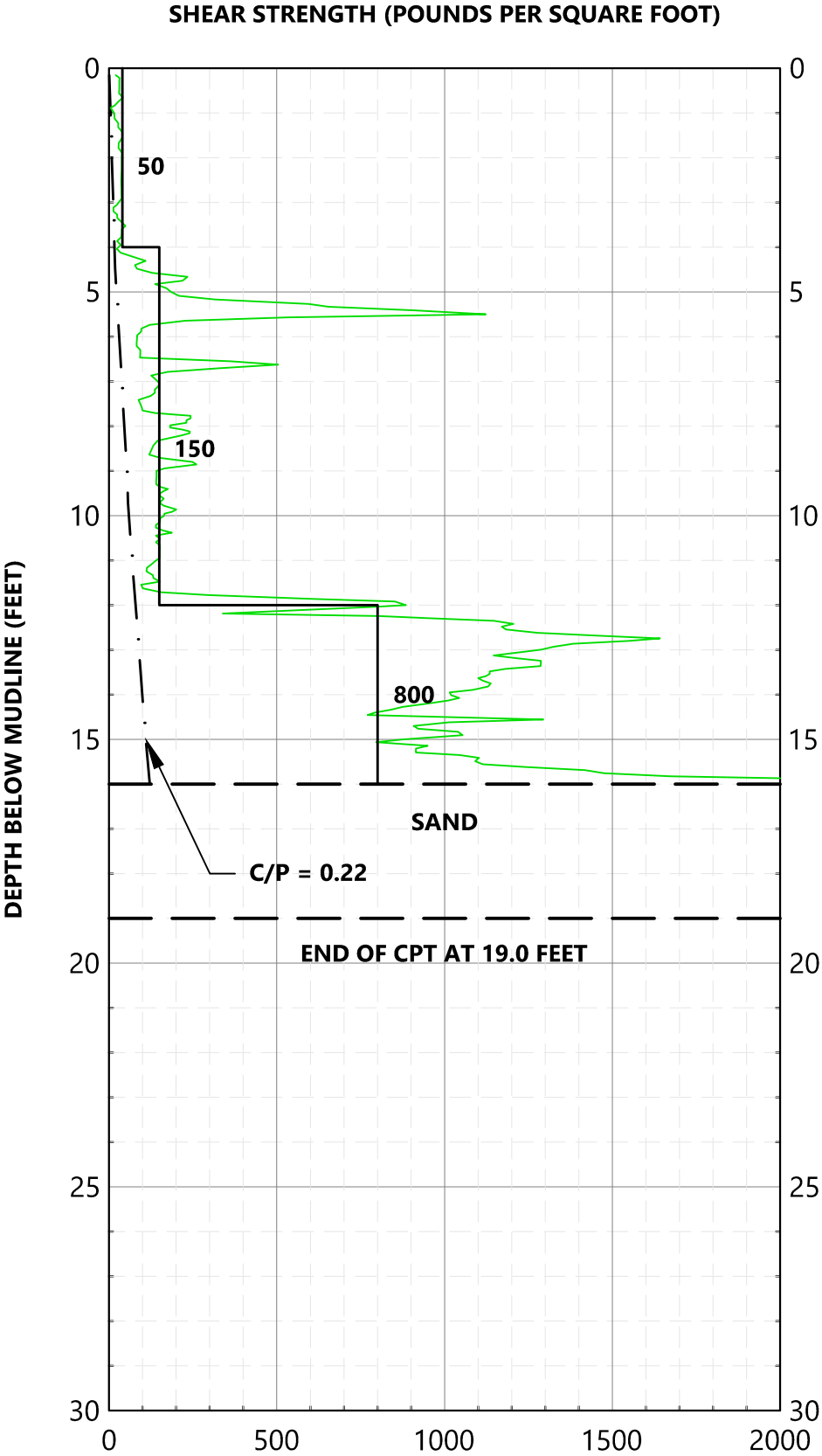
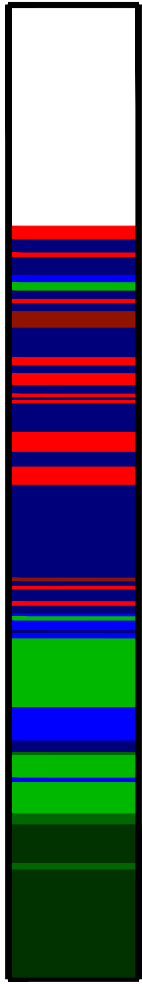
FIGURE NO.

I-5P

DRAFT

Drawing path: C:\Users\yavillamson\Desktop\PO-169 CPT Soil Parameter Plot\C11_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= +0.4 FEET



LEGEND

— CPT DATA
--- C/P LINE

1 - SENSITIVE, FINE GRAINED SOILS
2 - ORGANIC SOILS, PEATS
3 - CLAY

4 - SILTY CLAY TO CLAY
5 - CLAYEY SILT TO SILTY CLAY
6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT
8 - SAND TO SILTY SAND
9 - SAND



C-11 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

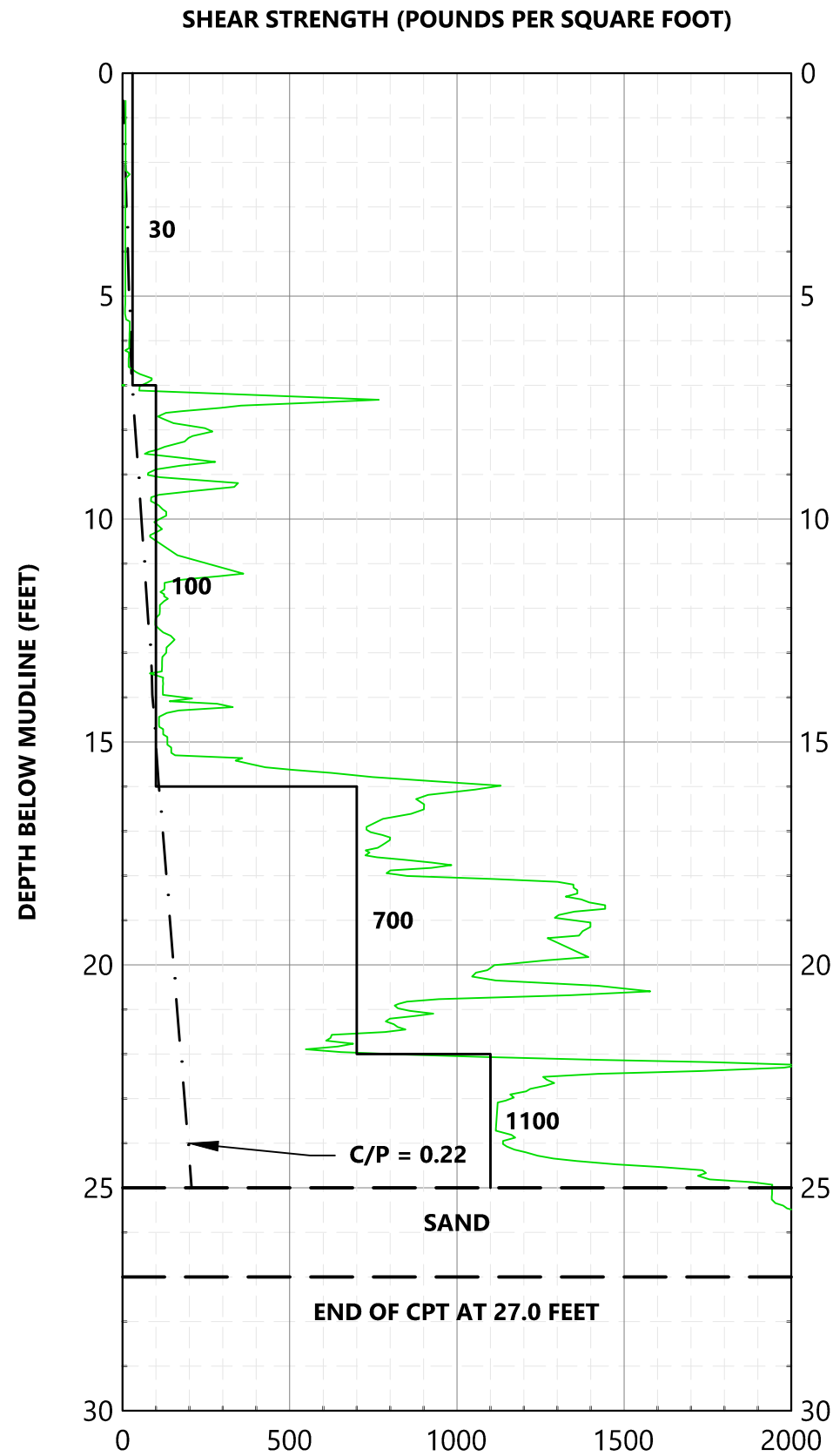
FIGURE NO.

I-5Q

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C12_STRENGTH PLOT.dwg

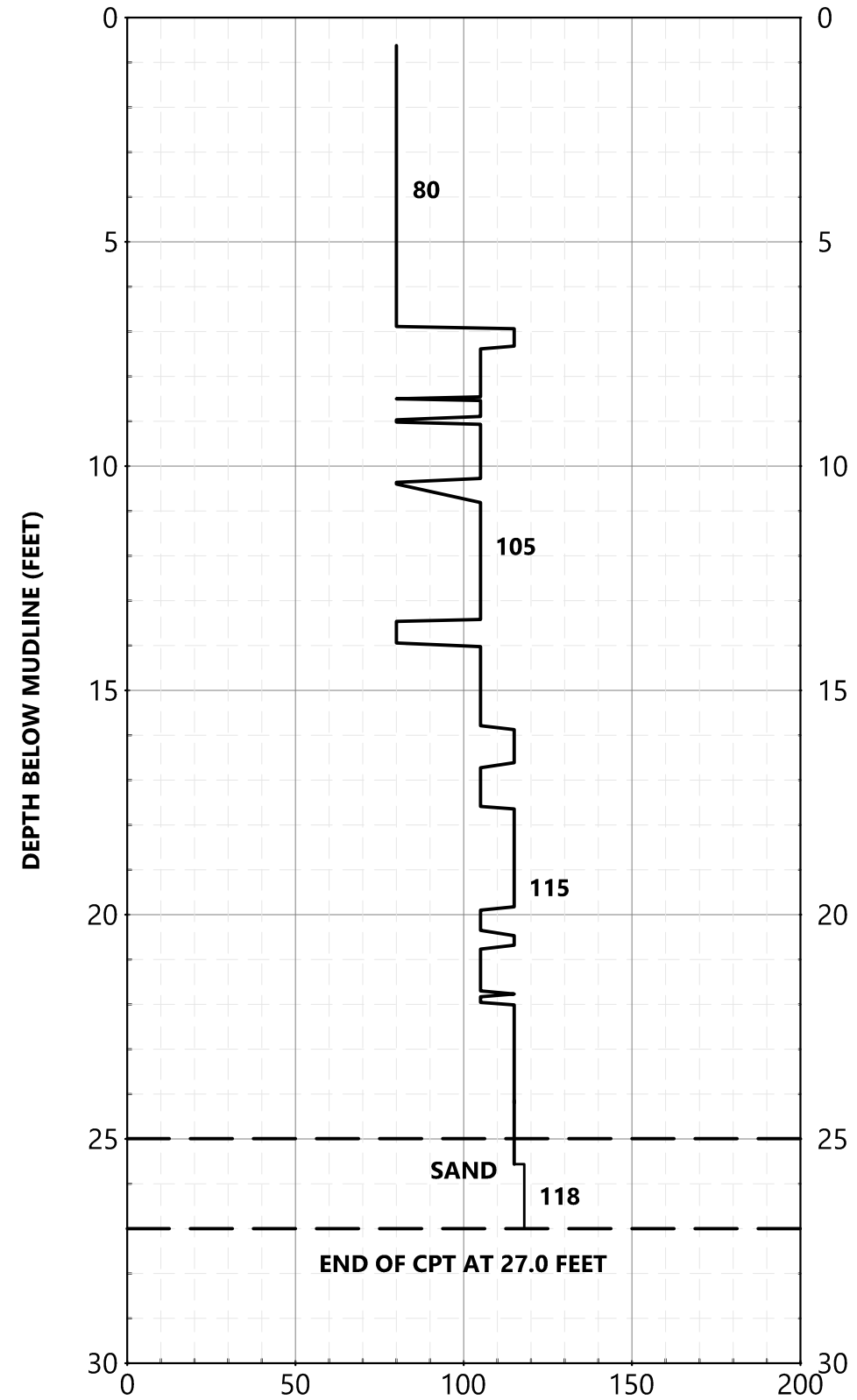
MUDLINE ELEVATION
= -2.4 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-12 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

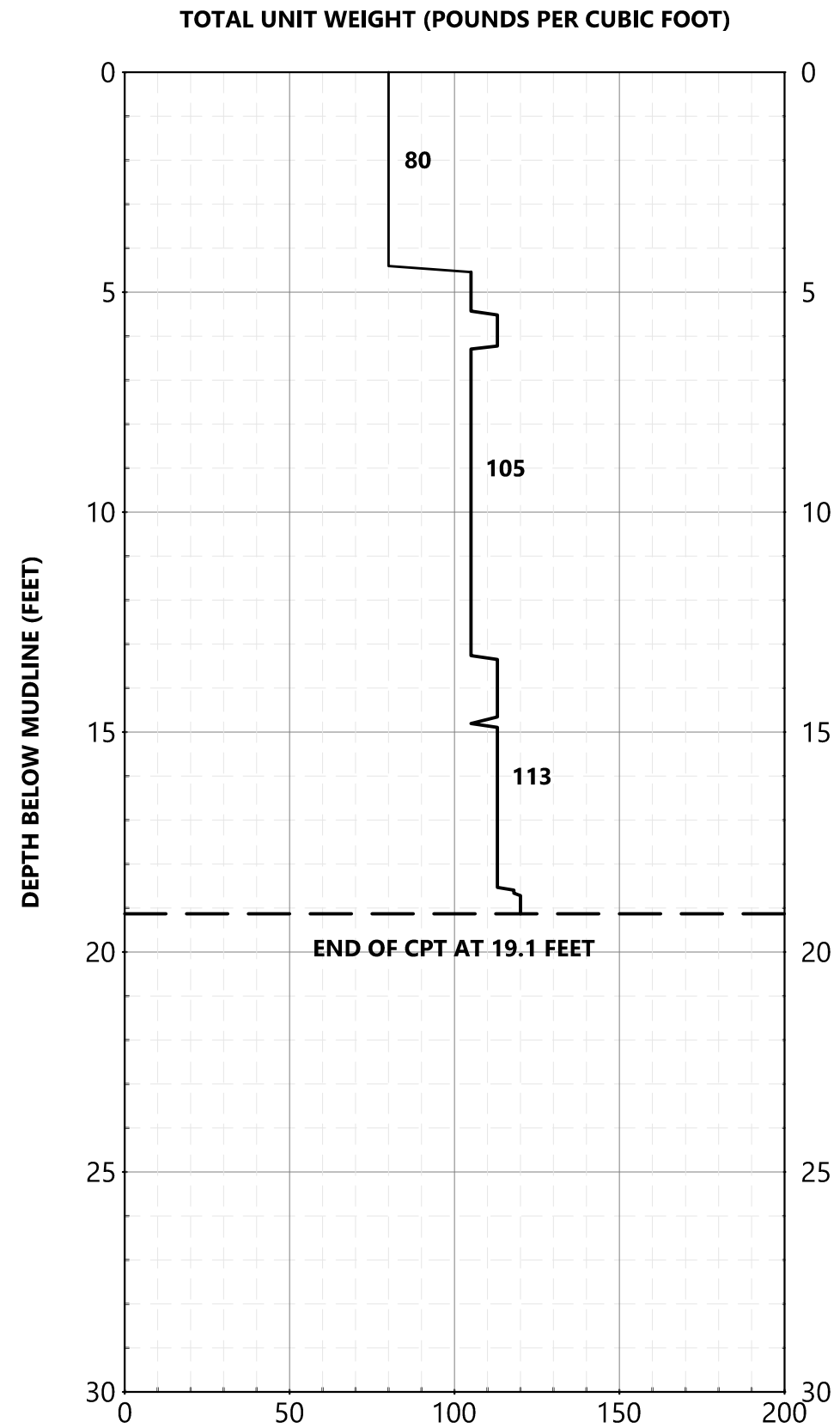
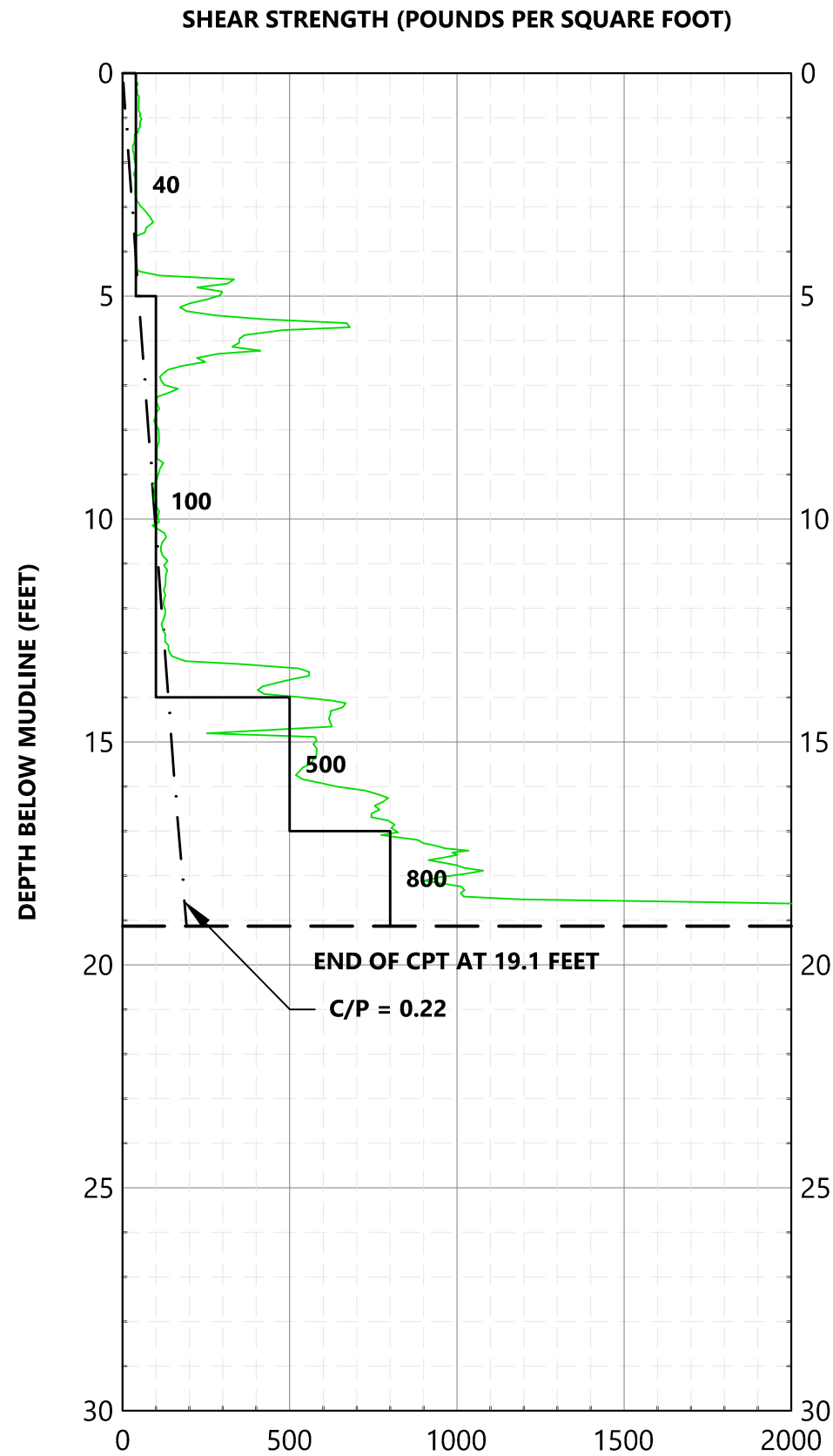
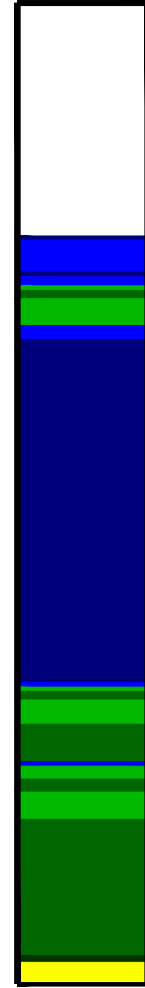
FIGURE NO.

I-5R

DRAFT

Drawing path: C:\Users\yavillamson\Desktop\PO-169 CPT Soil Parameter Plot\C14_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= +0.1 FEET



LEGEND

- | | | | |
|----------------|-----------------------------------|-------------------------------|------------------------------|
| — CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| - - - C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |



C-14 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

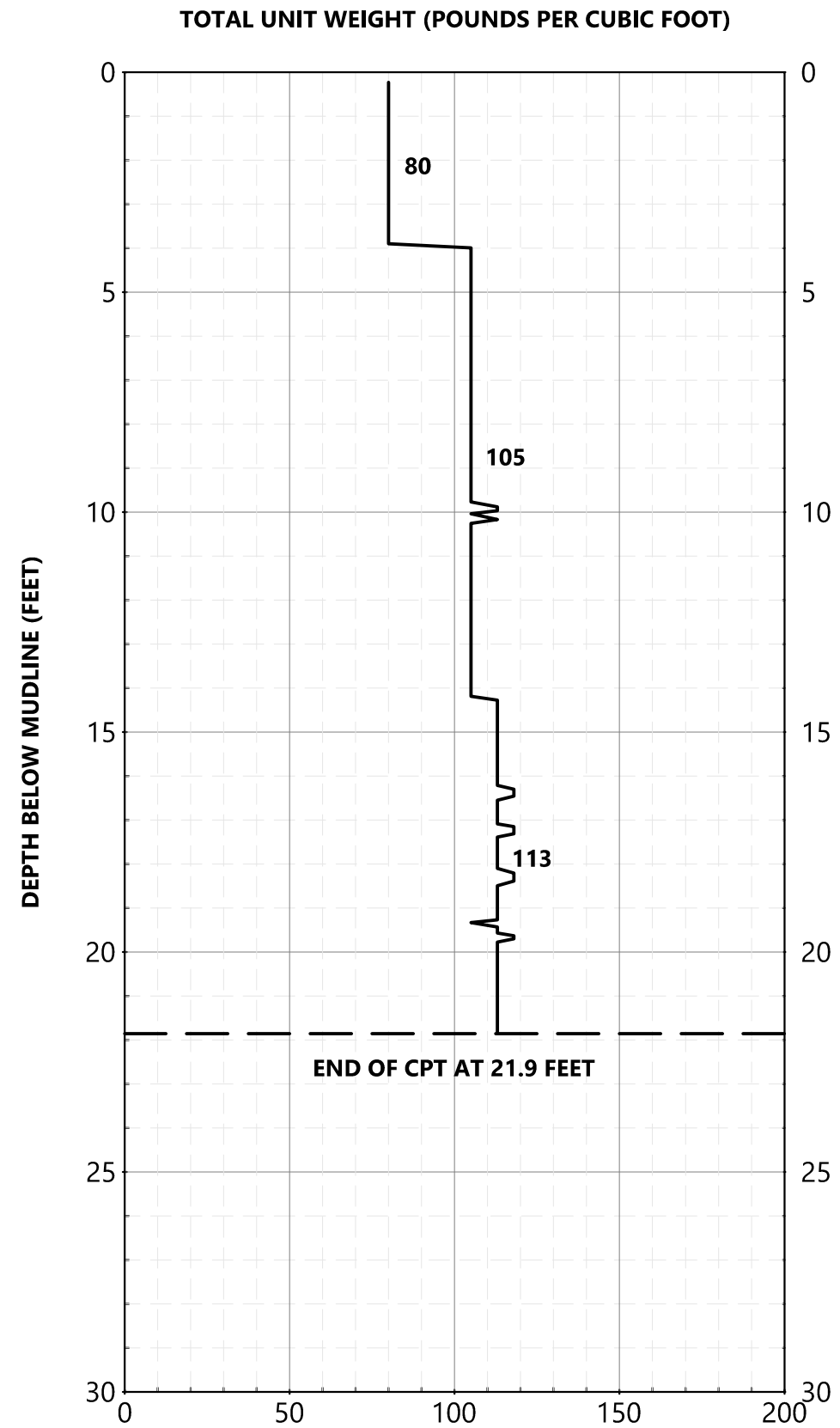
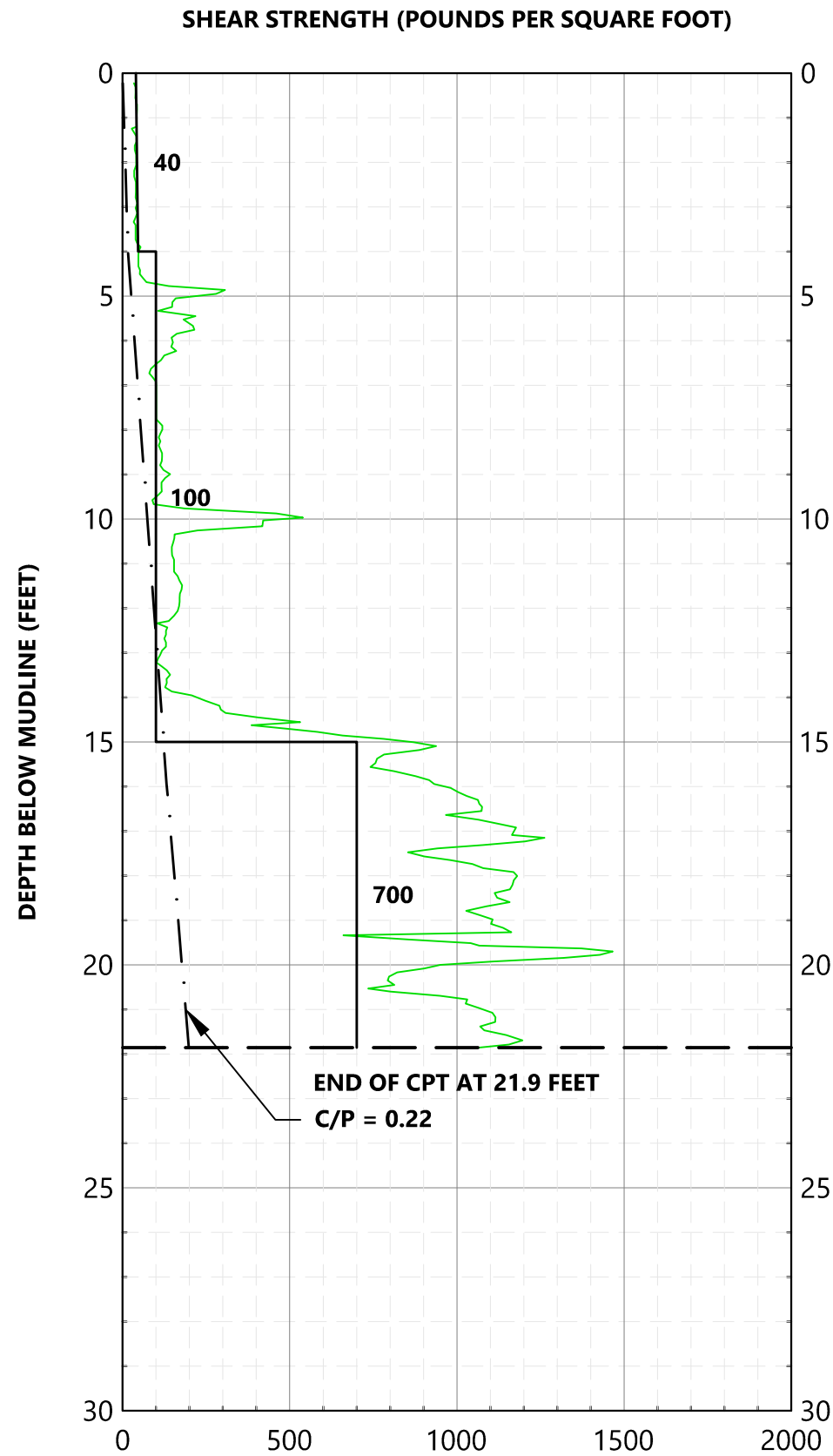
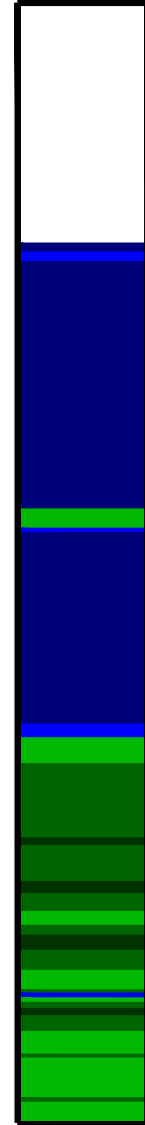
FIGURE NO.

I-5S

DRAFT

Drawing path: C:\Users\yavilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C15_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= -0.7 FEET



LEGEND

CPT DATA	1 - SENSITIVE, FINE GRAINED SOILS	4 - SILTY CLAY TO CLAY	7 - SILTY SAND TO SANDY SILT
C/P LINE	2 - ORGANIC SOILS, PEATS	5 - CLAYEY SILT TO SILTY CLAY	8 - SAND TO SILTY SAND
	3 - CLAY	6 - SANDY SILT TO CLAYEY SILT	9 - SAND



C-15 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

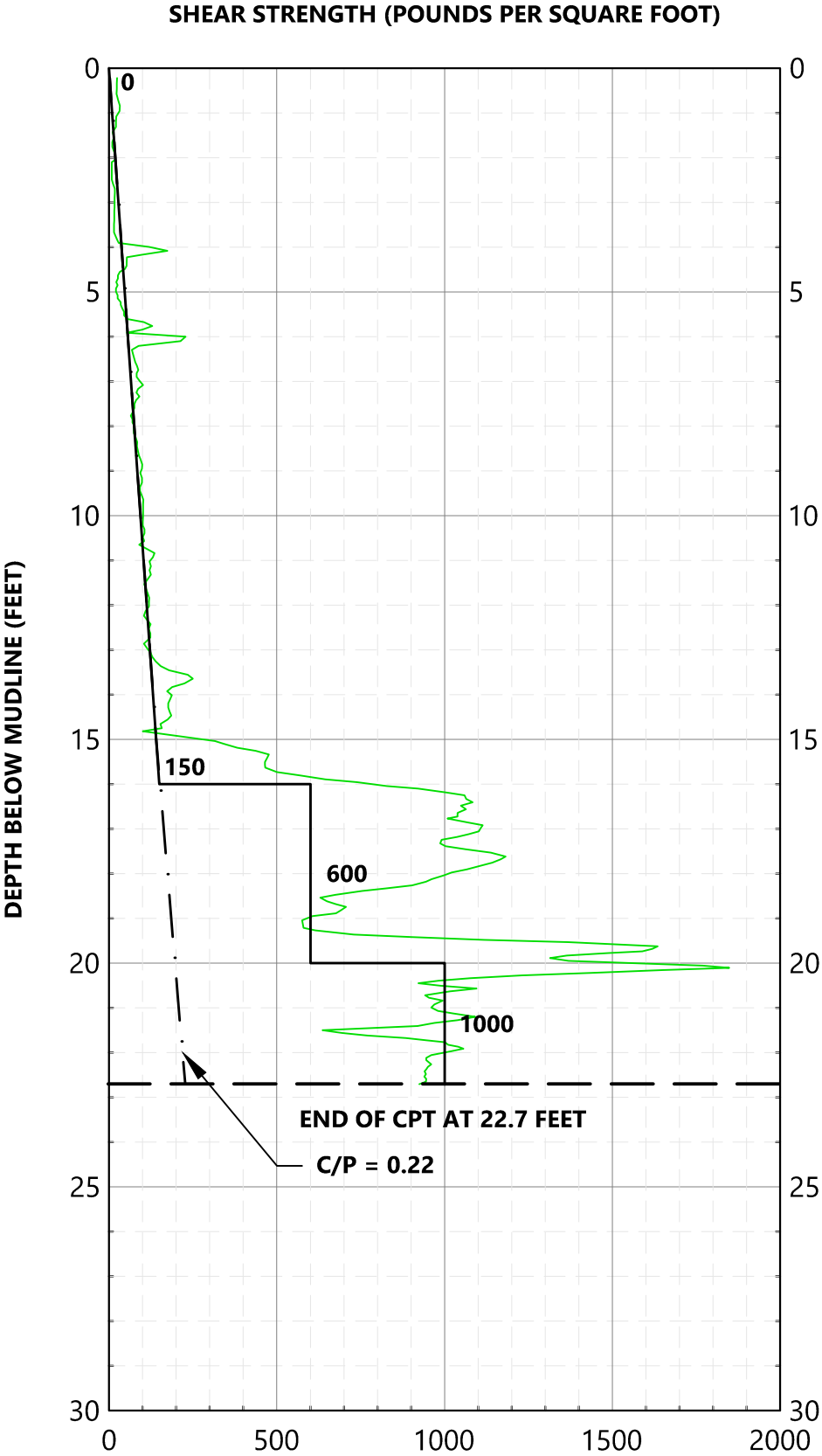
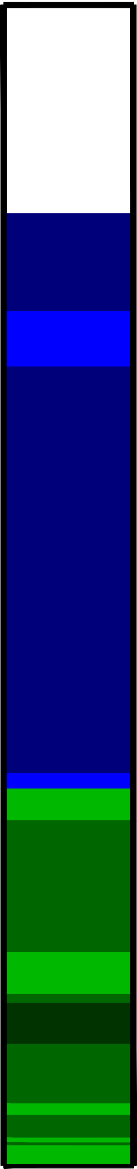
FIGURE NO.

I-5T

DRAFT

Drawing path: C:\Users\yavilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C16_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= -0.2 FEET



LEGEND

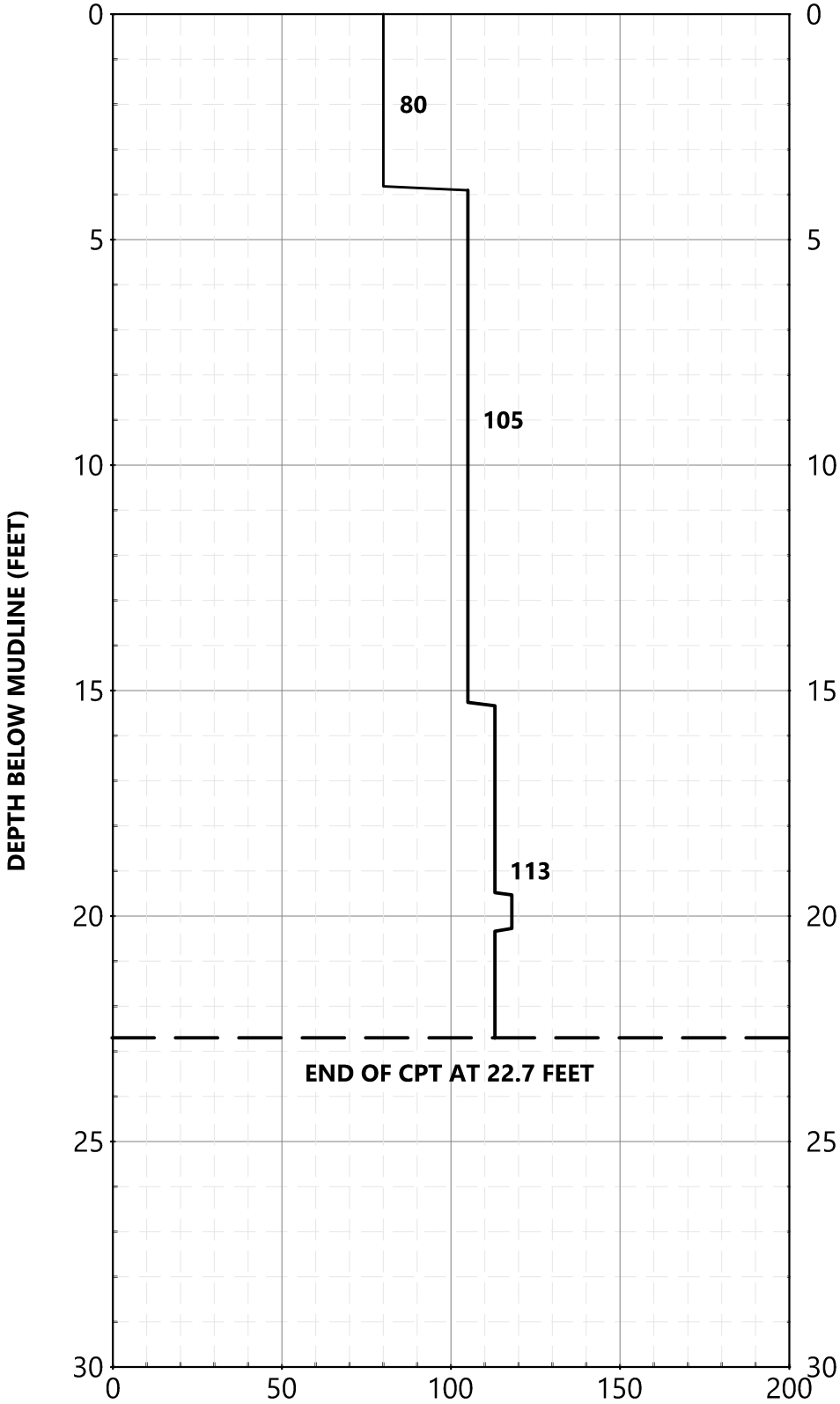
— CPT DATA
--- C/P LINE

1 - SENSITIVE, FINE GRAINED SOILS
2 - ORGANIC SOILS, PEATS
3 - CLAY

4 - SILTY CLAY TO CLAY
5 - CLAYEY SILT TO SILTY CLAY
6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT
8 - SAND TO SILTY SAND
9 - SAND

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-16 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

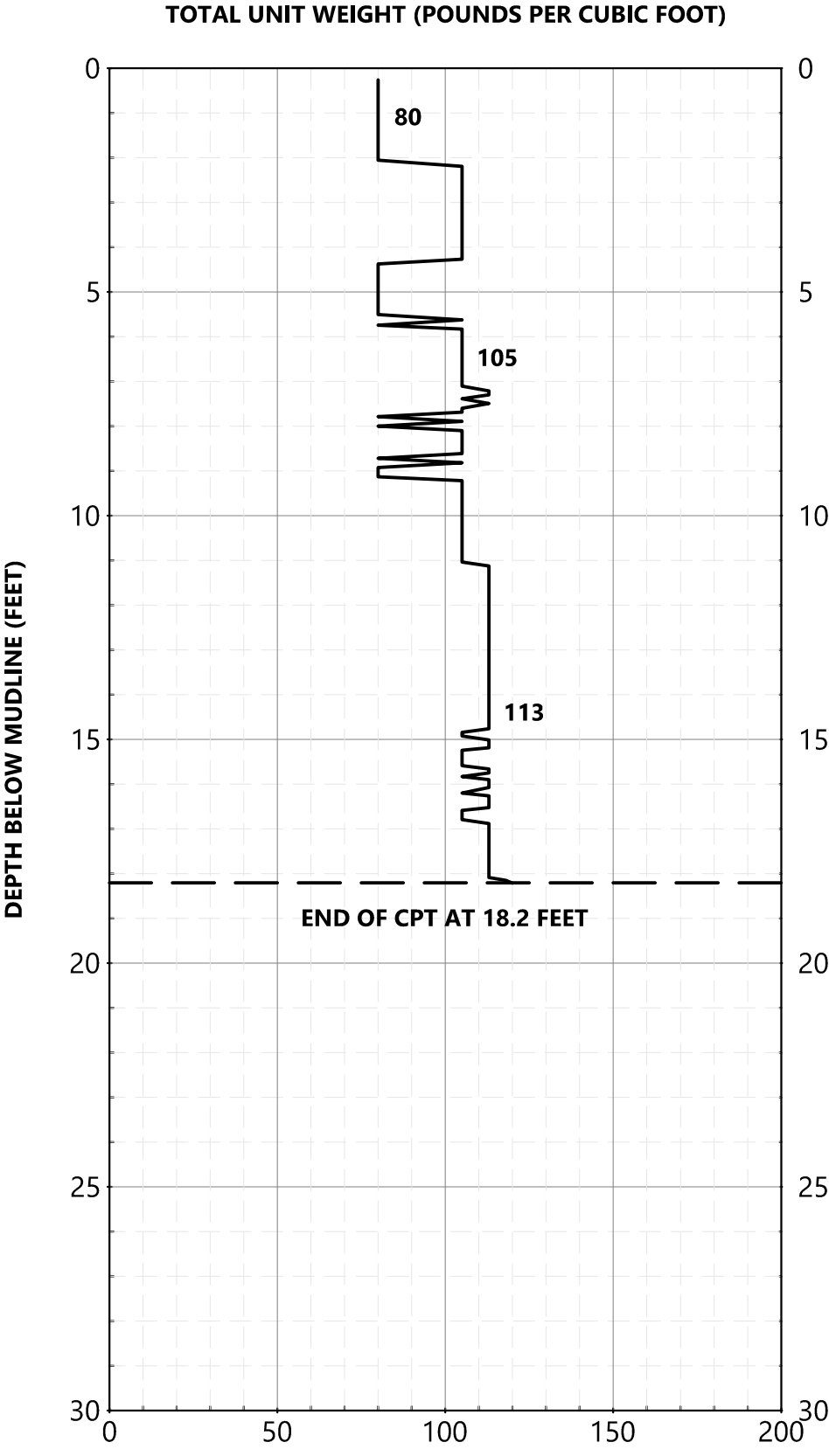
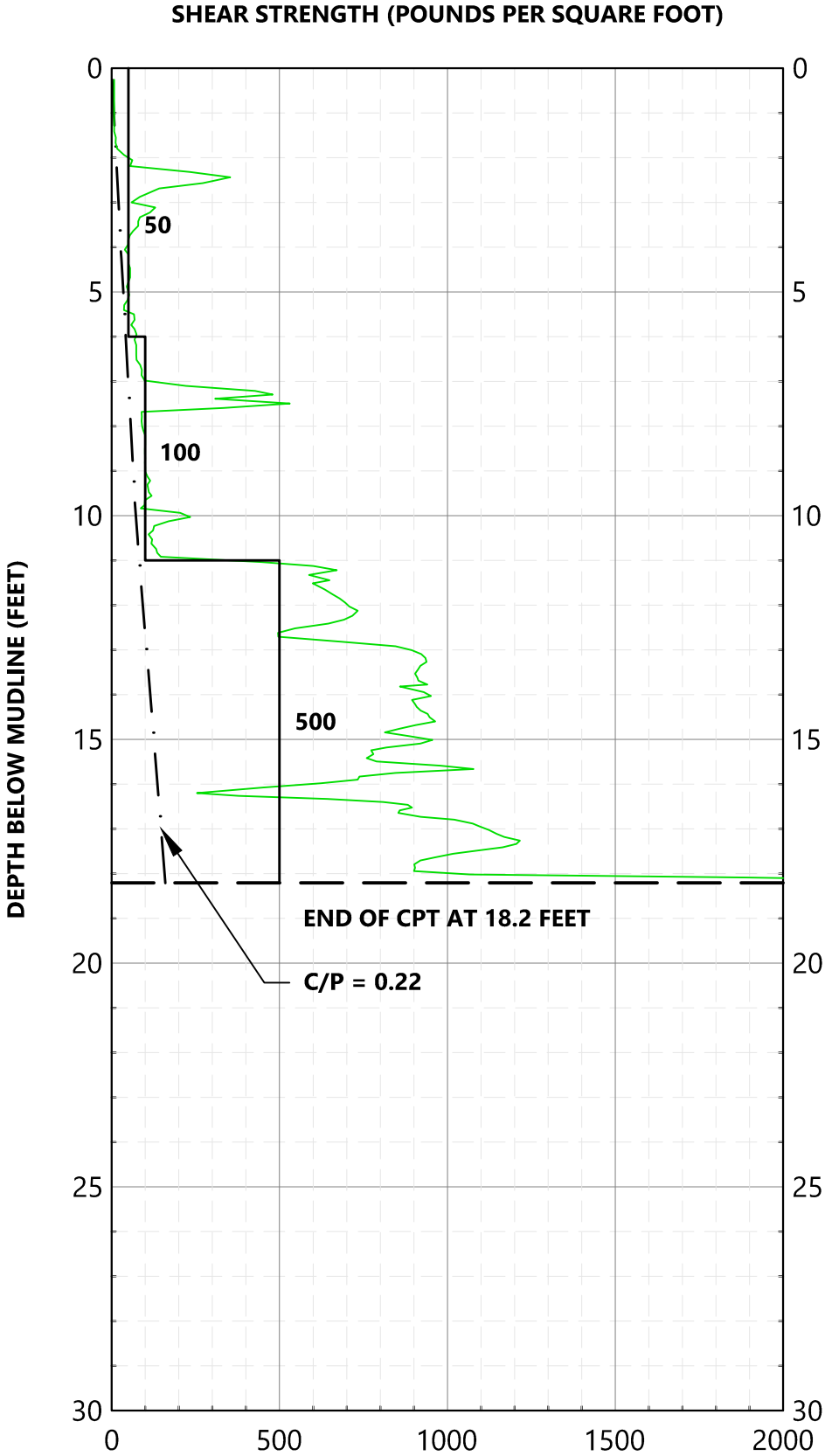
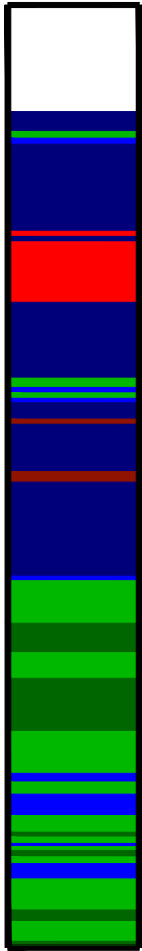
FIGURE NO.










I-5U

DRAFT

Drawing path: C:\Users\ywilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C17_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= -1.8 FEET



LEGEND							
	CPT DATA		1 - SENSITIVE, FINE GRAINED SOILS		4 - SILTY CLAY TO CLAY		7 - SILTY SAND TO SANDY SILT
	C/P LINE		2 - ORGANIC SOILS, PEATS		5 - CLAYEY SILT TO SILTY CLAY		8 - SAND TO SILTY SAND
			3 - CLAY		6 - SANDY SILT TO CLAYEY SILT		9 - SAND



C-17 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

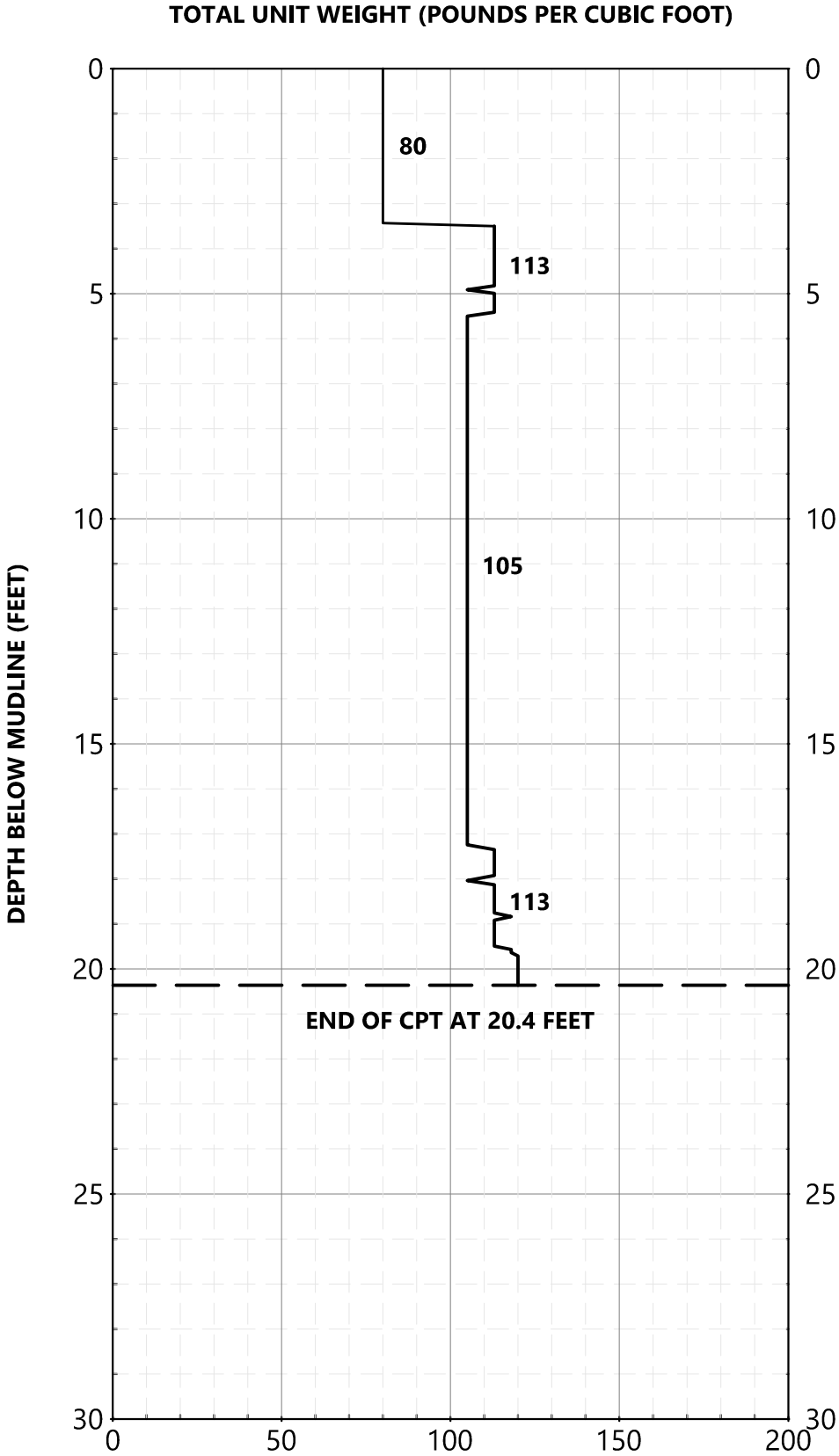
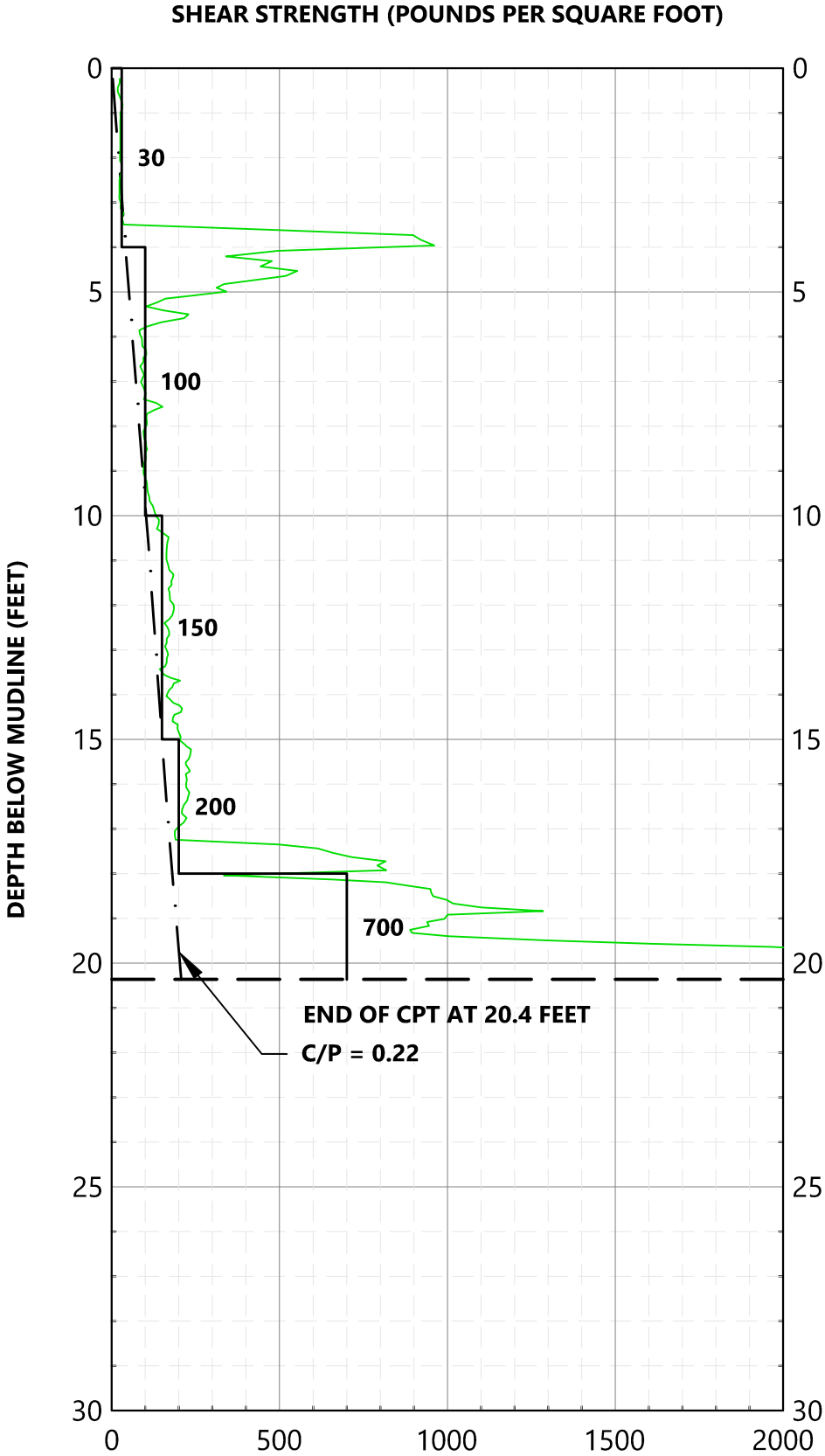
FIGURE NO.

I-5V

DRAFT

Drawing path: C:\Users\yavillamson\Desktop\PO-169 CPT Soil Parameter Plot\C18_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= -2.4 FEET



LEGEND

- | | | | |
|----------|-----------------------------------|-------------------------------|------------------------------|
| CPT DATA | 1 - SENSITIVE, FINE GRAINED SOILS | 4 - SILTY CLAY TO CLAY | 7 - SILTY SAND TO SANDY SILT |
| C/P LINE | 2 - ORGANIC SOILS, PEATS | 5 - CLAYEY SILT TO SILTY CLAY | 8 - SAND TO SILTY SAND |
| | 3 - CLAY | 6 - SANDY SILT TO CLAYEY SILT | 9 - SAND |



C-18 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

4585-17-006

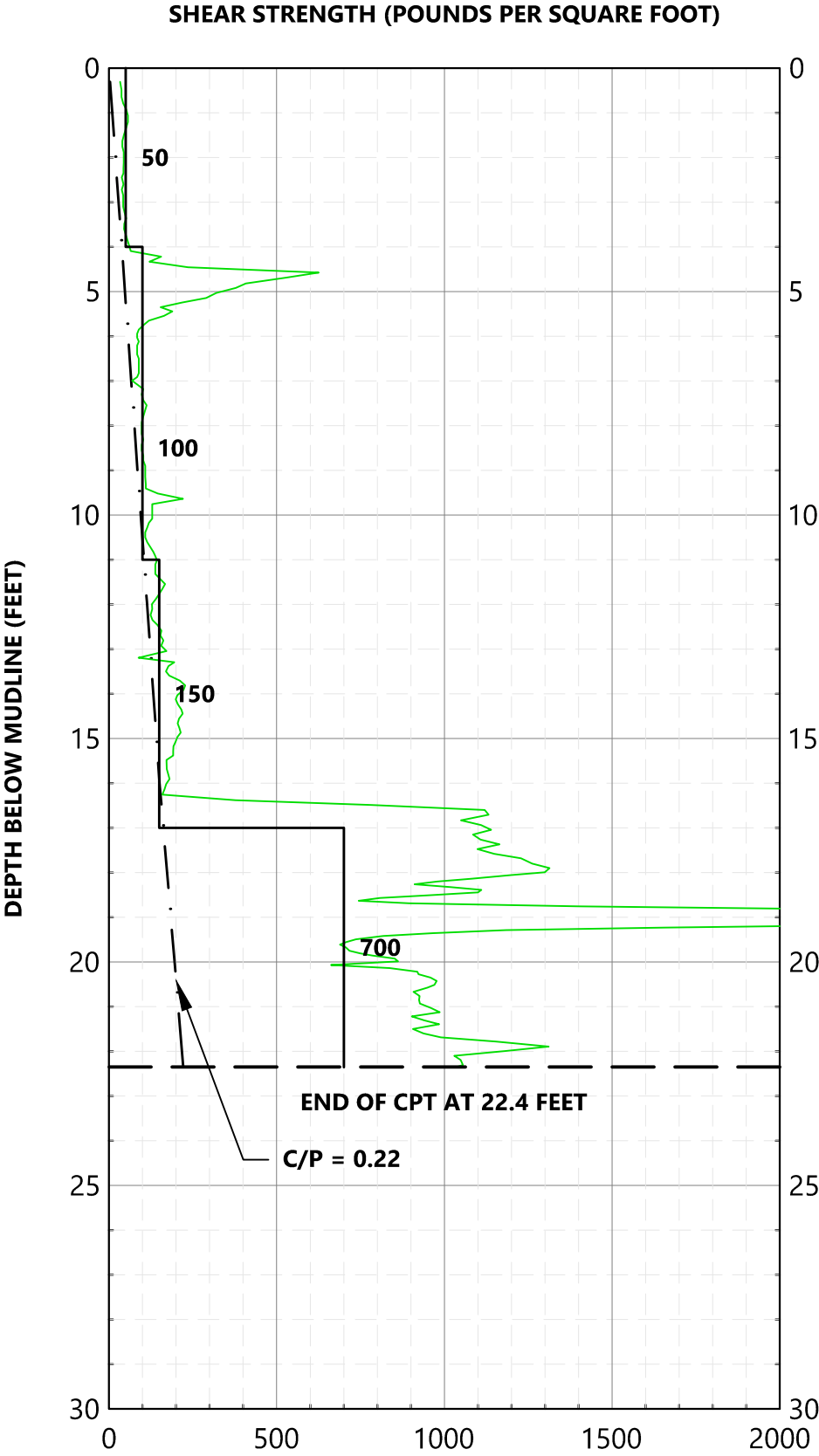
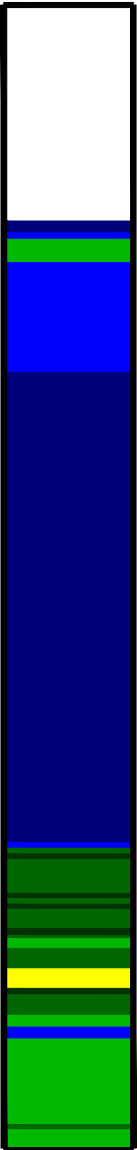
FIGURE NO.

I-5W

DRAFT

Drawing path: C:\Users\yavilliamson\Desktop\PO-169 CPT Soil Parameter Plot\C19_STRENGTH PLOT.dwg

MUDLINE ELEVATION
= -1.9 FEET



LEGEND

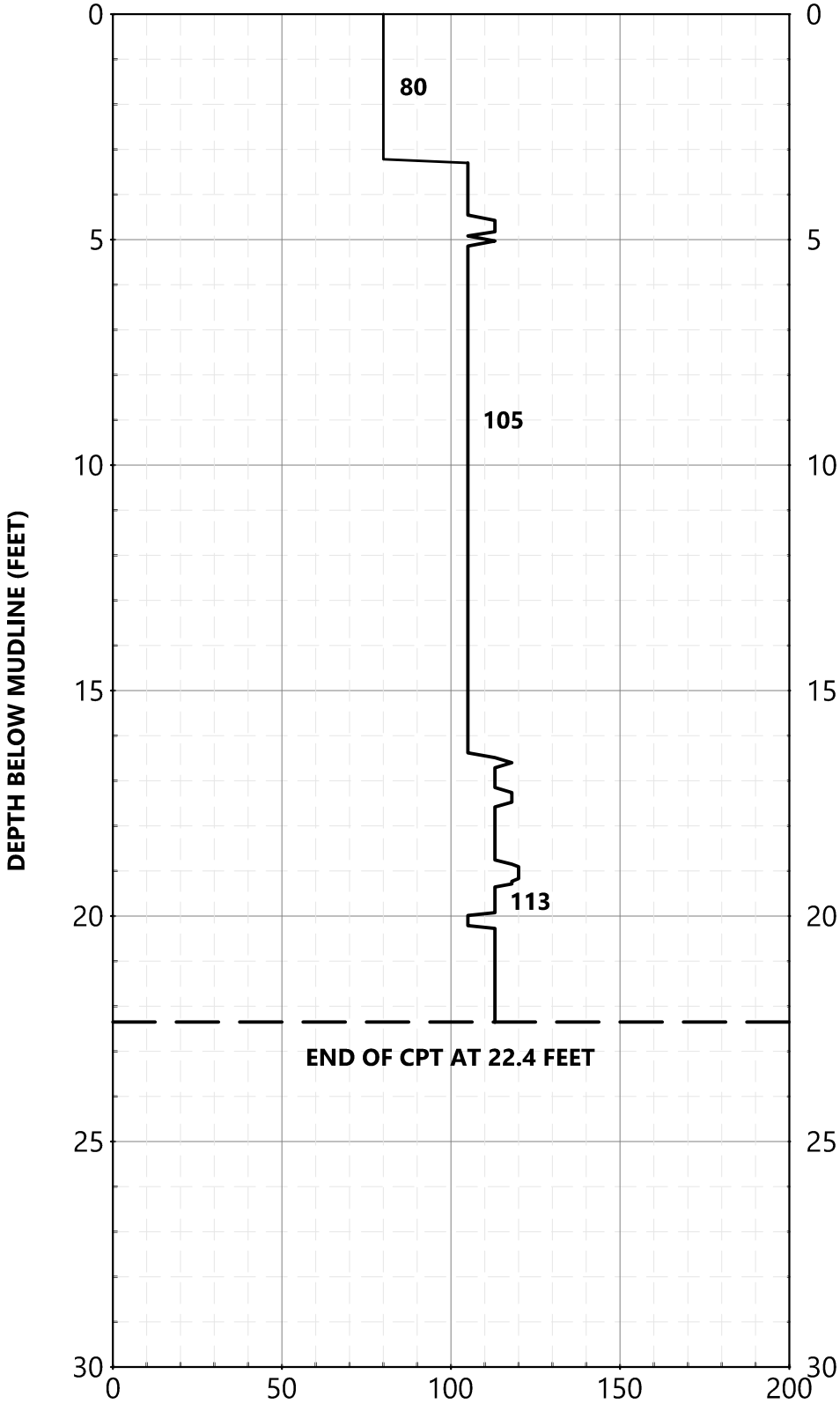
— CPT DATA
- - - C/P LINE

1 - SENSITIVE, FINE GRAINED SOILS
2 - ORGANIC SOILS, PEATS
3 - CLAY

4 - SILTY CLAY TO CLAY
5 - CLAYEY SILT TO SILTY CLAY
6 - SANDY SILT TO CLAYEY SILT

7 - SILTY SAND TO SANDY SILT
8 - SAND TO SILTY SAND
9 - SAND

TOTAL UNIT WEIGHT (POUNDS PER CUBIC FOOT)



C-19 SOIL PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

04/30/2018

PROJECT NUMBER

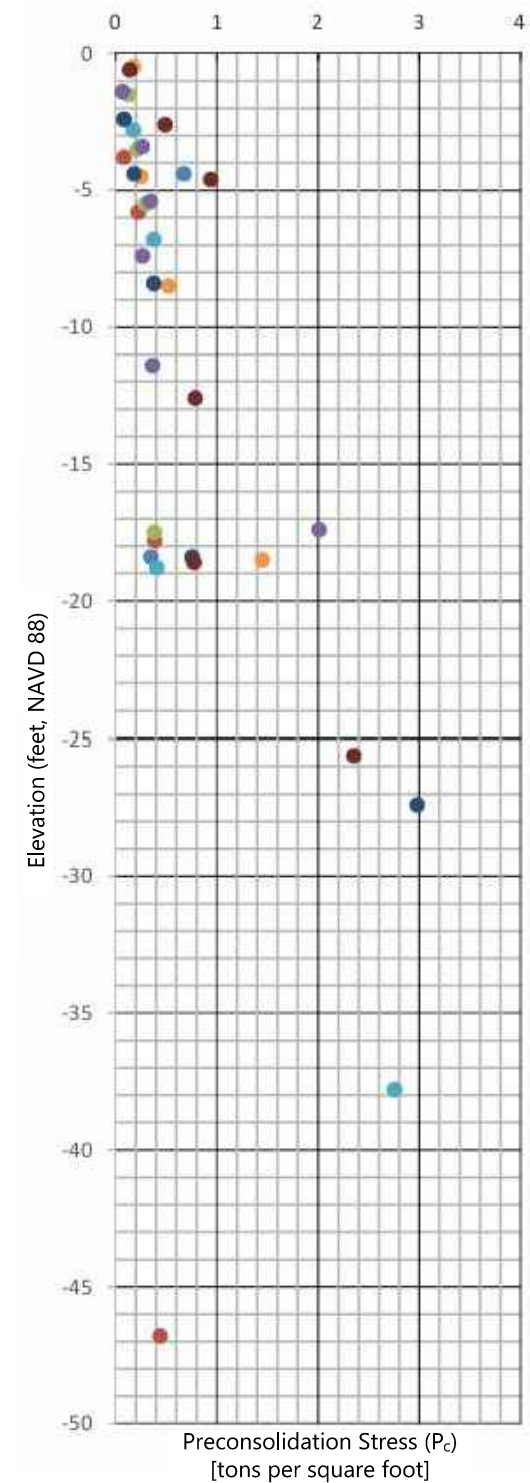
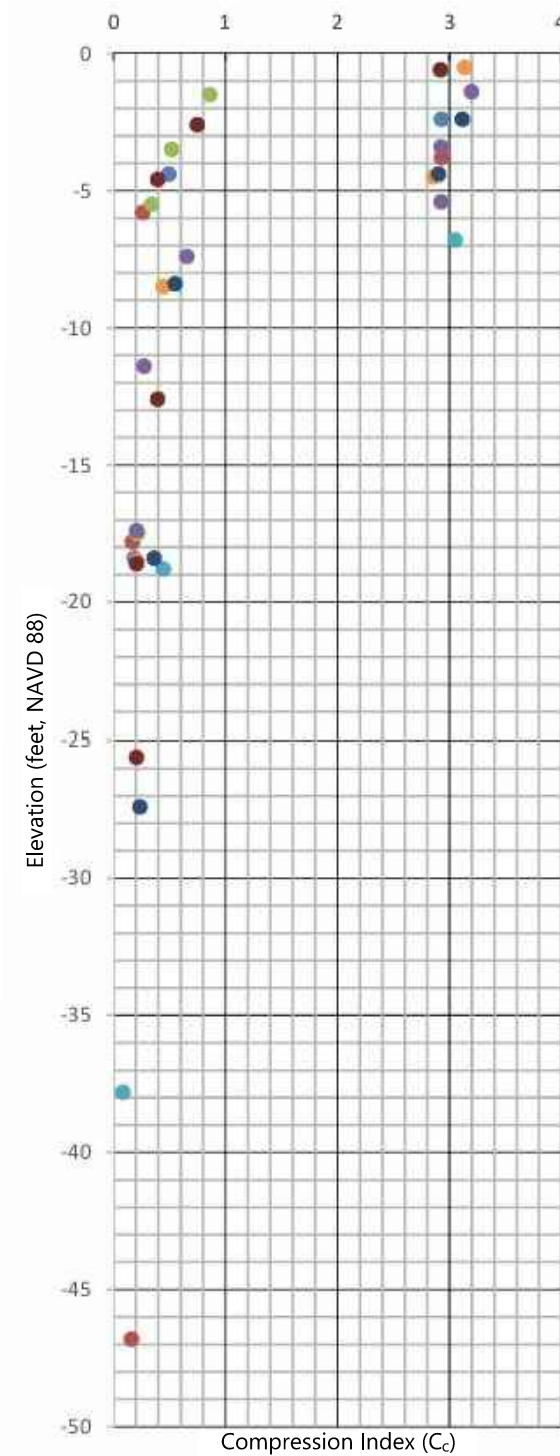
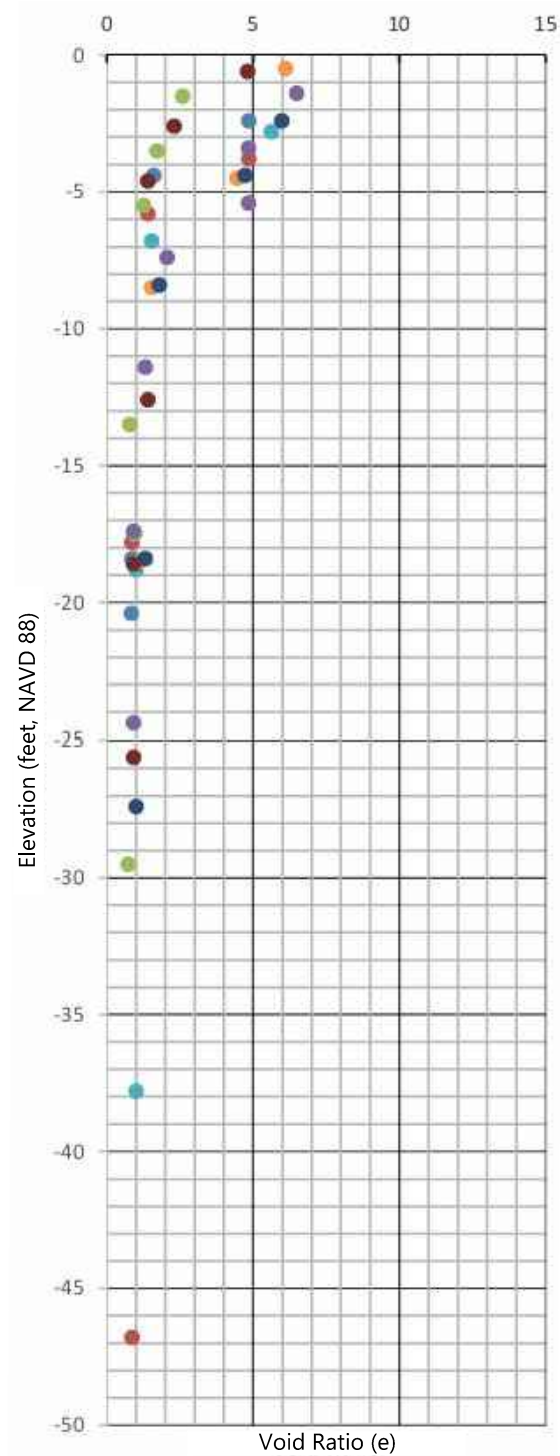
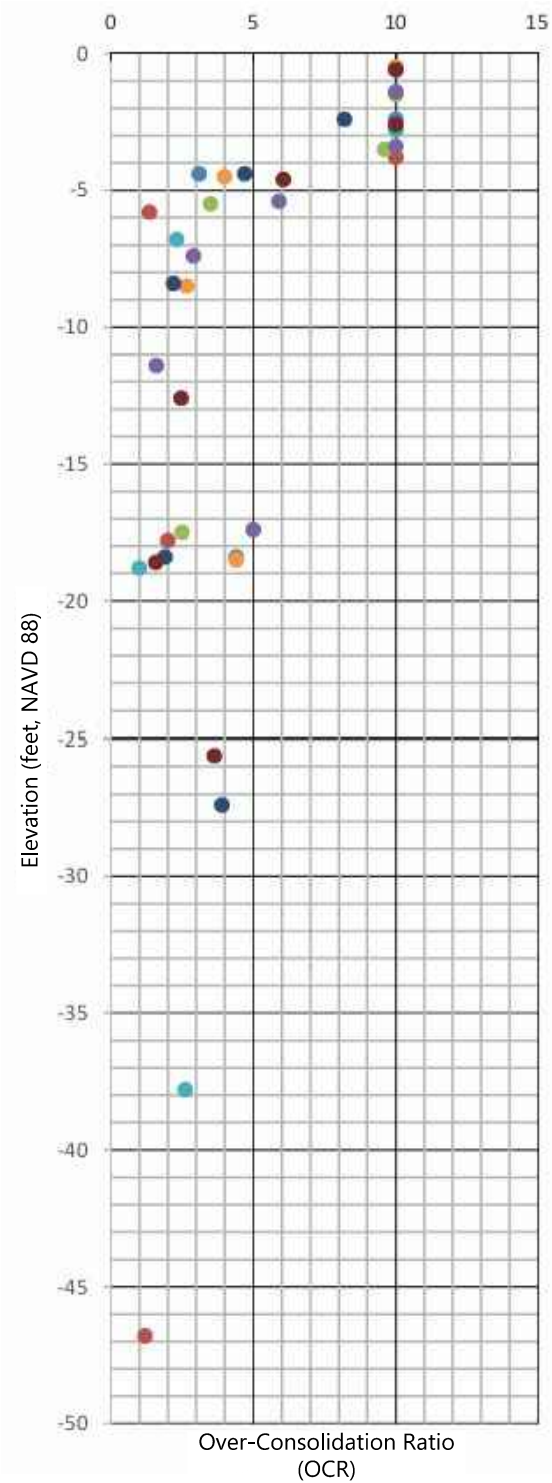
4585-17-006

FIGURE NO.

I-5X

DRAFT

Drawing path: C:\Users\yavillamson\Desktop\Data Tables.dwg



Notes:

$S.G. = 2.7861 \cdot e^{0.0005 \cdot M.C.}$ (from lab test results)

$e_0 = 0.0266 \cdot M.C. + 0.0673$ (Inorganic soil - from lab results)

$e_0 = 0.0139 \cdot M.C. + 2.8439$ (Organic soil - from lab results)

$C_c = 0.0104 \cdot M.C. - 0.1266$ (Inorganic soil - from lab results)

$C_c = 0.0023 \cdot M.C. + 2.5933$ (Organic soil - from lab results)

$Cr = 0.18Cc$ (from lab results and literature review)

$PI = 1.7323 \cdot M.C. - 30.485$ (Inorganic soil - from lab results)

$PI = 0.9153 \cdot M.C. - 32.085$ (Organic soil - from lab results)

$Pc = 0.0724 \ln(P_0) + 0.426$ (from lab results)

Where:

S.G. = Specific Gravity

e_0 = Initial Void Ratio

C_c = Compression Index

C_r = Recompression Index

PI = Plasticity Index

P_c = Preconsolidation Stress

Legend:



CONSOLIDATION PARAMETER PLOTS

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/18

PROJECT NUMBER

4585-17-006

FIGURE NO.

I-6

DRAFT

Appendix II – GRR Breakwater and ECD Slope Stability and Bearing Capacity

DRAFT

GRR Breakwater and ECD Analyses

Various ECD sections were analyzed based on estimated hydraulic marsh fill elevations at end of construction (EOC) of El. +2.5 feet in Cells 1 and 4, and El. +2.0 in Cells 2 and 3, plus a freeboard of at least one-foot. Analyses have also been completed in each cell to demonstrate the maximum elevation to which GRR breakwater and ECDs can be constructed with and without the use of geogrid at the mudline or within the dike, and/or ACBM fortification such that the acceptable factors of safety for slope stability and bearing capacity are achieved or exceeded. A geogrid with a tensile strength of 1,500 pounds per foot at 5% strain was modeled for the GRR breakwater and ECD analyses to distribute the load over its base width.

Marsh Creation Cell 1

Based on predicted wave heights of 4.4 feet in Lake Pontchartrain, a combination system including a GRR breakwater and ECD is currently planned for this cell.

Based on minimum factors of safety of 1.2 and 1.5 for slope stability and bearing capacity, respectively, the maximum crest elevation for the GRR breakwater is El. +4.5 feet with the use of geogrid at mudline El. -1.5 feet. We recommend constructing the GRR breakwater with a geogrid irrespective of the crest elevation. The GRR breakwater was modeled for 2.5H:1V side slopes, a crest width of 5 feet, an adjacent flotation channel/borrow area cut to El. -12 feet on the lake side, a 10 foot bench width from the toe of the breakwater to the top of the flotation channel and the assumed mudline at El. -1.5 feet. Table II-1 depicts the critical factor of safety for some of the various scenarios analyzed at field exploration locations in Cell 1.

Table II-1, GRR Breakwater Critical Factor of Safety

Location	Crest Elevation (feet)	Slope Stability Critical Factor of Safety		Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Without Geogrid	With Geogrid
C-2	+4.5	1.30	NR ⁽¹⁾	1.55	2.72
C-5	+4.5	1.07	1.25	0.95	1.67
C-5	+3.5	1.21	NR ⁽¹⁾	1.14	1.96
C-4/B-8	+4.5	1.21	NR ⁽¹⁾	1.29	2.25
C-4/B-8	+3.5	1.38	NR ⁽¹⁾	1.54	2.64
B-7	+4.5	1.53	NR ⁽¹⁾	1.31	2.29
B-7	+3.5	1.60	NR ⁽¹⁾	1.57	2.69

⁽¹⁾ Not required

Table II-2 depicts the critical factor of safety for ECD sections for slope stability and bearing capacity scenarios analyzed at various field exploration locations in Cell 1. Table II-3 depicts the critical factor of safety for ECD section with marsh fill at the field exploration location where slope stability without the marsh fill was estimated to be the least. S&ME recommends an ECD design section with a crest elevation of at least +3.5 feet, with 4H:1V side slopes, a crest width of at least 4 feet and an assumed mudline elevation of -1.5 feet. The maximum crest elevation for an ECD that can be constructed in Cell 1 without use of geogrid is El. +3.5 feet, with 4H:1V side slopes, a crest width of at least 4 feet and a mudline elevation of -1.5 feet.

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Table II-2, ECD Critical Factor of Safety without Marsh Fill

Location	Crest Elevation (feet)	Slope Stability Critical Factor of Safety			Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Geogrid at El. +2 feet	Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)
C-2	+4.7	1.12 ⁽¹⁾	1.12 ⁽¹⁾	1.95	2.10	3.92
C-5	+4.7	1.12 ⁽¹⁾	1.12 ⁽¹⁾	1.65	1.21	2.25
C-5	+4.0	1.28	NC ⁽²⁾	NC ⁽²⁾	1.36	2.52
C-5	+3.5	NC ⁽²⁾	NC ⁽²⁾	NC ⁽²⁾	1.50	2.75
C-4/B-8	+4.7	1.12 ⁽¹⁾	1.12 ⁽¹⁾	1.94	1.74	3.24
B-7	+4.7	1.12 ⁽¹⁾	1.12 ⁽¹⁾	1.86	2.26	4.20

⁽¹⁾ Failure occurs within the dike.

⁽²⁾ Not checked.

Table II-3, ECD Critical Factor of Safety with Marsh Fill to Top of ECD

Location	Recommended ECD Crest Elevation (feet)	Assumed Mudline Elevation (feet)	Geogrid Elevation (feet)	Side Slopes	Marsh Fill Elevation (feet)	Slope Stability Critical Factor of Safety
C-5	+3.5	-1.5	NR ⁽¹⁾	4H:1V	+3.5	1.43

⁽¹⁾ Not required.

Marsh Creation Cell 2

For marsh creation Cell 2, a combination of GRR breakwater and ECD was initially considered as well. As the significant wave height was reported to be approximately 2.6 feet, a GRR breakwater was modeled with a crest elevation up to +3 feet, 2.5H:1V side slopes, a crest width of 5 feet, an adjacent flotation channel/borrow area cut to El. -12 feet on the lake side, a 10 foot bench width from the toe of the breakwater to the top of the excavation trench and an assumed mudline of El. -1.5 feet. The analyses considered both with and without geogrid at mudline and/or within the dike. Due to varying subsurface soil conditions across the cell, the GRR breakwater slope stability factor of safety is greater than 1.2 at B-9 and lower at other locations. Table II-4 depicts the slope stability and bearing capacity critical factor of safety for various scenarios analyzed at field exploration locations in Cell 2. At C-7 location, the GRR breakwater does not have acceptable factor of safety and may not be feasible for the desired design crest height.

Table II-4, GRR Breakwater Critical Factor of Safety

Location	Crest Elevation (feet)	Slope Stability Critical Factor of Safety		Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Without Geogrid	With Geogrid
C-7	+3.0	0.39	0.89	0.48	0.81
C-7	+2	NC ⁽¹⁾	0.98	0.61	1.00

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Location	Crest Elevation (feet)	Slope Stability Critical Factor of Safety		Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Without Geogrid	With Geogrid
C-7	+1.5	NC ⁽¹⁾	1.02	0.71	1.14
C-8	+3.0	0.76	1.25	0.71	1.21
B-9	+3.0	1.65	NR ⁽²⁾	1.67	2.82
B-10/C-10	+3.0	1.05	1.50	1.19	2.01
B-11/C-13	+3.0	0.51	0.98	0.63	1.07

⁽¹⁾Not Checked

⁽²⁾Not Required

As an alternative to GRR breakwater for protection against waves, a fortified ECD configuration enhanced with a 4-inch thick ACBM armoring feature was evaluated. A crest elevation provided in the table below includes a 4-inch thick ACBM. ECD was modeled with 4H:1V side slopes, a crest width of 4 feet and an assumed mudline elevation of -1.5 feet. Table II-5 depicts the slope stability and bearing capacity critical factor of safety for this proposed ECD section for slope stability and bearing capacity scenarios analyzed at various field exploration locations in Cell 2. Table II-6 depicts the critical factor of safety for ECD section with marsh fill at the field exploration location where slope stability without the marsh fill was estimated to be the least.

For Cell 2, a fortified ECD with a crest elevation of +3.0 feet, 4H:1V slopes, a crest width of 4 feet and geogrid at the assumed mudline elevation of -1.5 feet is estimated to have a factor of safety for slope stability and bearing capacity greater than 1.2 and 1.5, respectively.

Table II-5, Fortified (ACBM) ECD Critical Factor of Safety without Marsh Fill

Location	Crest Elevation ⁽¹⁾ (feet)	Slope Stability Critical Factor of Safety			Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Geogrid at El. +2 feet	Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)
C-7	+4.7	0.55	1.13	0.72	0.54	1.00
C-7	+4.0	NC ⁽³⁾	1.34	NC ⁽³⁾	0.61	1.12
C-7	+3.5	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	1.22
C-7	+3.0	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	1.35
C-7	+2.5	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	1.50
C-7	+2.0	1.07	NC ⁽³⁾	NC ⁽³⁾	0.95	1.69
C-7	+1.5	1.37	NC ⁽³⁾	NC ⁽³⁾	1.11	1.94
C-8	+4.7	0.91	1.24 ⁽²⁾	1.34	0.9	1.67
C-9	+4.7	1.24 ⁽²⁾	1.24 ⁽²⁾	1.65	1.43	2.67
C-11	+4.7	0.80	1.24 ⁽²⁾	1.05	0.9	1.67
B-9	+4.7	1.24 ⁽²⁾	1.24 ⁽²⁾	2.12	2.15	4.00

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Location	Crest Elevation ⁽¹⁾ (feet)	Slope Stability Critical Factor of Safety			Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Geogrid at El. +2 feet	Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)
B-10/C-10	+4.7	1.19	1.24 ⁽²⁾	1.66	1.34	2.50
B-11/C-13	+4.7	0.68	1.24 ⁽²⁾	0.88	0.72	1.33

⁽¹⁾ Crest elevation provided in the table below includes a 4-inch thick ACBM.

⁽²⁾ Failure occurs within the dike.

⁽³⁾ Not Checked.

Table II-6, Fortified (ACBM) ECD Critical Factor of Safety with Marsh Fill to Top of ECD

Location	Recommended ECD Crest Elevation (feet)	Assumed Mudline Elevation (feet)	Geogrid Elevation (feet)	Side Slopes	Marsh Fill Elevation (feet)	Slope Stability Critical Factor of Safety
C-7	+3.0	-1.5	-1.5	4H:1V	+3.0	1.22

Marsh Creation Cell 3

For Marsh Creation Cell 3, a GRR breakwater or a fortified ECD may not be required since there appears to be a marsh buffer zone between the Cell 3 and Lake St. Catherine where wave energy dissipates. An ECD was modeled with 4H:1V side slopes, a crest width of 4 feet, and a crest elevation of +4.7 feet and an assumed mudline elevation of -1.5 feet. This ECD does not include an ACBM feature. Table II-7 depicts the slope stability and bearing capacity critical factor of safety for the proposed ECD section selected from slope stability and bearing capacity scenarios analyzed at B-19 location in Cell 3. Maximum ECD elevation for which factors of safety for slope stability and bearing capacity is greater than 1.2 and 1.5, respectively is El. +4.0 feet. Table II-8 depicts the critical factor of safety for ECD section with marsh fill at B-19 location.

Table II-7, ECD Critical Factor of Safety without Marsh Fill

Location	Crest Elevation (feet)	Slope Stability Critical Factor of Safety			Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	With Geogrid at El. +2 feet	Without Geogrid	With Geogrid
B-19	+4.7	1.12 ⁽¹⁾	1.12 ⁽¹⁾	1.95	2.58	4.80
B-19	+4.0	1.28 ⁽¹⁾	NC ⁽²⁾	NC ⁽²⁾	2.91	5.37

⁽¹⁾ Failure occurs within the dike.

⁽²⁾ Not Checked.

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Table II-8, ECD Critical Factor of Safety with Marsh Fill to Top of ECD

Location	Recommended ECD Crest Elevation (feet)	Mudline Elevation (feet)	Geogrid Elevation (feet)	Side Slopes	Marsh Fill Elevation (feet)	Slope Stability Critical Factor of Safety
B-19	+3.0	-1.5	NR ⁽¹⁾	4H:1V	+3.0	1.63

⁽¹⁾ Not Required

Marsh Creation Cell 4

For Marsh Creation Cell 4, a combination of GRR breakwater and earthen dike was initially considered as well. As the significant wave height was reported to be approximately 2.5 feet, a GRR breakwater was modeled with a crest elevation up to +2.5 feet with 2.5H:1V side slopes, a crest width of 5 feet, an adjacent flotation channel/borrow area cut to El. -12 feet on one side, a 10 foot bench width from the toe of the GRR breakwater to the top of the excavation trench and an assumed mudline elevation of -1.5 feet. Due to poor subsurface soil conditions across the cell, the GRR breakwater slope stability factor of safety was less than 1.2. We recommend not using GRR breakwater in this cell as there could be significant slope stability and bearing capacity issues to address during construction. Table II-9 below depicts the critical factors of safety for analyses completed at various field exploration locations.

Table II-9, GRR Breakwater Critical Factor of Safety

Location	Crest Elevation (feet)	Slope Stability Critical Factor of Safety		Bearing Capacity Factor of Safety	
		Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Without Geogrid	With Geogrid
C-16	+2.5	0.57	0.76	0.64	1.07
C-18	+2.5	0.43	0.89	0.54	0.89
C-18	+1.5	NC ⁽¹⁾	1.03	0.71	1.14
B-17	+2.5	1.10	1.12	1.13	1.47
B-18/C-20	+2.5	0.53	0.90	0.54	0.89

⁽¹⁾ Not Checked

As an alternative to GRR breakwater for protection against waves, a fortified ECD configuration enhanced with a 4-inch thick ACBM armoring feature was evaluated. A crest elevation of +3.5 feet is recommended for the proposed fortified ECD section with 5H:1V side slopes, a crest width of 4 feet and a geogrid installed at the assumed mudline elevation of -1.5 feet. Table II-10 depicts the slope stability and bearing capacity critical factor of safety for this proposed ECD section for slope stability and bearing capacity scenarios analyzed at various field exploration locations in Cell 4. Table II-11 depicts the critical factor of safety for ECD section with marsh fill at the field exploration location where slope stability without the marsh fill was estimated to be the least.

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Table II-10, Fortified (ACBM) ECD Critical Factor of Safety without Marsh Fill

Location	Crest Elevation ⁽¹⁾ (feet)	Side Slopes	Slope Stability Critical Factor of Safety			Bearing Capacity Factor of Safety	
			Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)	Geogrid at El. +2 feet	Without Geogrid	With Geogrid at Mudline (El. -1.5 feet)
C-16	+4.7	4H:1V	0.60	1.01	0.75	0.65	1.20
C-18	+4.7	4H:1V	0.49	1.00	0.63	0.54	1.00
C-18	+4.0	4H:1V	NC ⁽³⁾	1.17	NC ⁽³⁾	0.61	1.12
C-18	+3.5	4H:1V	NC ⁽³⁾	1.33	NC ⁽³⁾	0.67	1.22
C-18	+1.5	4H:1V	1.15	NC ⁽³⁾	NC ⁽³⁾	1.11	1.94
C-18	+1.0	4H:1V	1.57	NC ⁽³⁾	NC ⁽³⁾	1.33	2.29
C-18	+4.0	5H:1V	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	1.14
C-18	+3.5	5H:1V	NC ⁽³⁾	1.38	NC ⁽³⁾	NC ⁽³⁾	1.24
C-18	+2.5	5H:1V	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	NC ⁽³⁾	1.53
B-17	+4.7	4H:1V	1.20	1.24 ⁽²⁾	1.35	1.45	2.70
B-18/C-20	+4.7	4H:1V	0.67	1.24 ⁽²⁾	0.95	0.54	1.00

⁽¹⁾ Crest elevation provided in the table below includes a 4-inch thick ACBM.

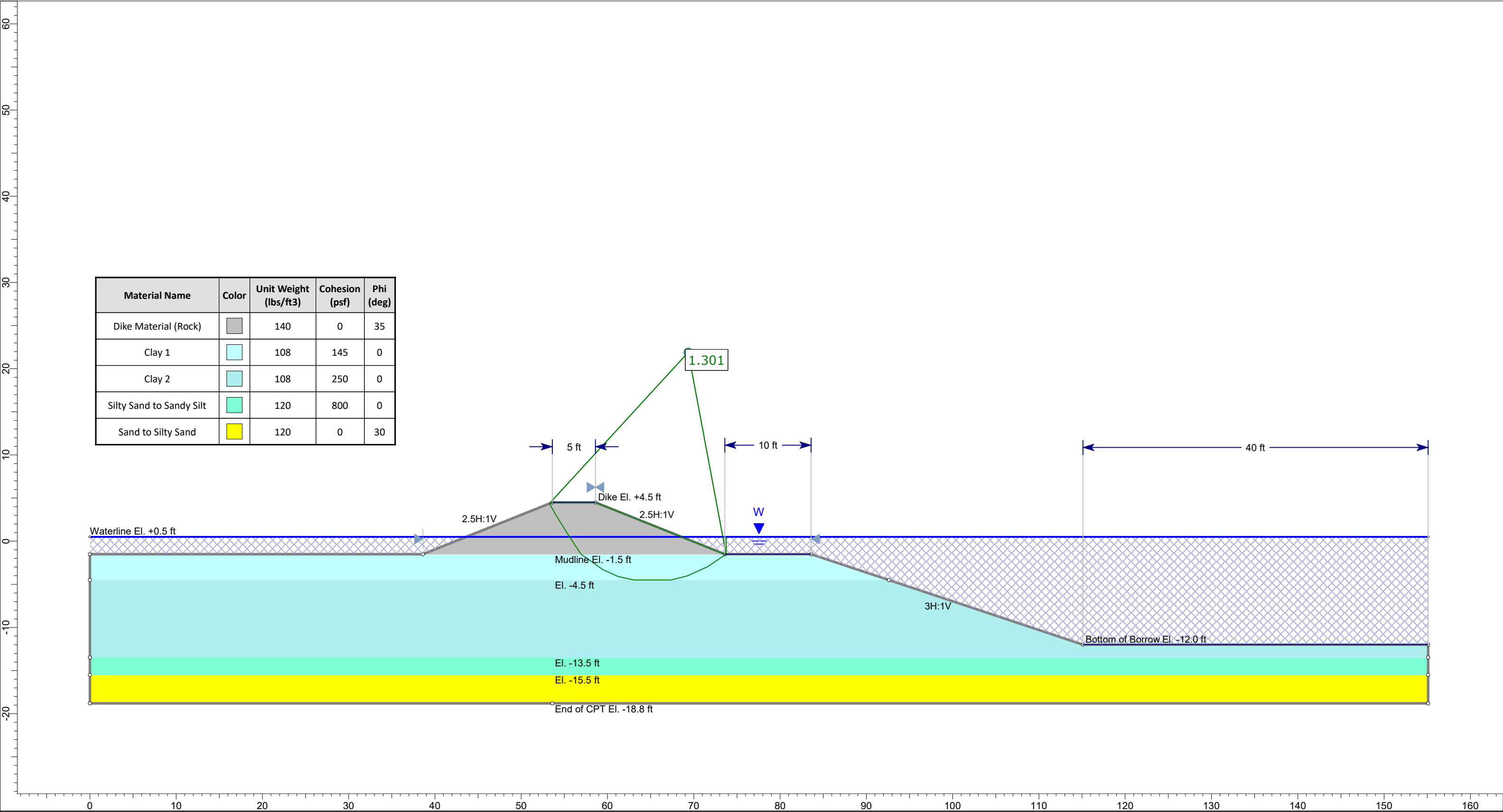
⁽²⁾ Failure occurs within the dike.

⁽³⁾ Not checked.


Table II-11, Fortified (ACBM) ECD Critical Factor of Safety with Marsh Fill to Top of ECD

Location	Recommended ECD Crest Elevation (feet)	Assumed Mudline Elevation (feet)	Geogrid Elevation (feet)	Side Slopes	Marsh Fill Elevation (feet)	Slope Stability Critical Factor of Safety
C-18	+3.5	-1.5	-1.5	4H:1V	+3.5	1.04
C-18	+3.5	-1.5	-1.5	5H:1V	+3.5	1.23

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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)	<div></div>	140	0	35
Clay 1	<div></div>	108	145	0
Clay 2	<div></div>	108	250	0
Silty Sand to Sandy Silt	<div></div>	120	800	0
Sand to Silty Sand	<div></div>	120	0	30

		Project		New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis		Rock Breakwater		Description	
Scale:		1:127		Without Geogrid - Dike Only	
Location		C-2		Company	
		Project Number		S&ME	
		File Name		Date	
		_C-2 with Rip Rap.slmd		4/26/2018	

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Project: PO-169
 Project #: 4585-17-006
 Location: C-2 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	3	-1.5	-4.5	108	0	145
2	3	12	-4.5	-13.5	108	0	250
3	12	14	-13.5	-15.5	120	0	800
4	14	17.3	-15.5	-18.8	120	30	0
5	17.3		-18.8	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

Nc = 9
 Nq = 1.00
 Nγ = 0.00

Df = 0 ft
 γ' = 45.6 pcf
 σ'D = 0 psf
 T = 3 ft
 T/B = 0.086 (-)
 C2/C1 = 1.7 (-)

q_{ult} = 1305.00 psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

Δσ = 840.00 lb/ft per foot of embankment

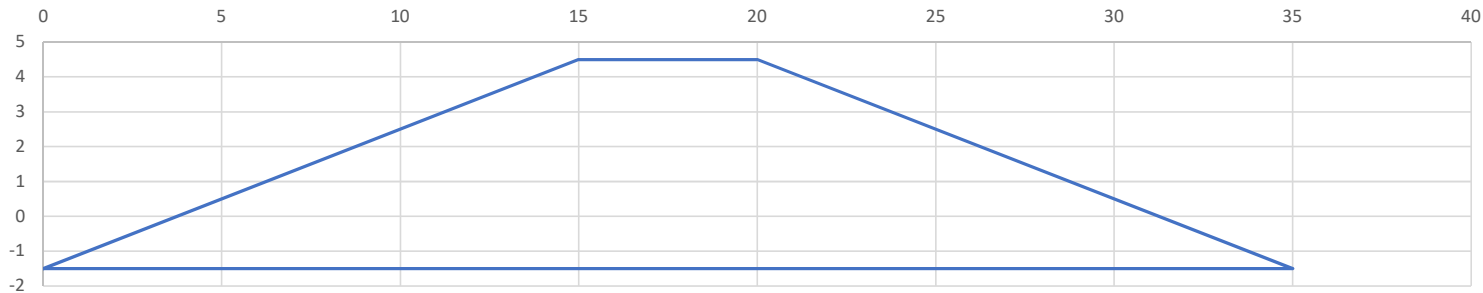
FS = 1.55
 Pass

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 16,800 lb



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Project: PO-169
 Project #: 4585-17-006
 Location: C-2 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	3	-1.5	-4.5	108	0	145
2	3	12	-4.5	-13.5	108	0	250
3	12	14	-13.5	-15.5	120	0	800
4	14	17.3	-15.5	-18.8	120	30	0
5	17.3		-18.8	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 3$ ft
 $T/B = 0.086$ (-)
 $C2/C1 = 1.7$ (-)

$q_{ult} = 1305.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 480.00$ lb/ft per foot of embankment

$FS = 2.72$
 Pass

Embankment Dimensions:

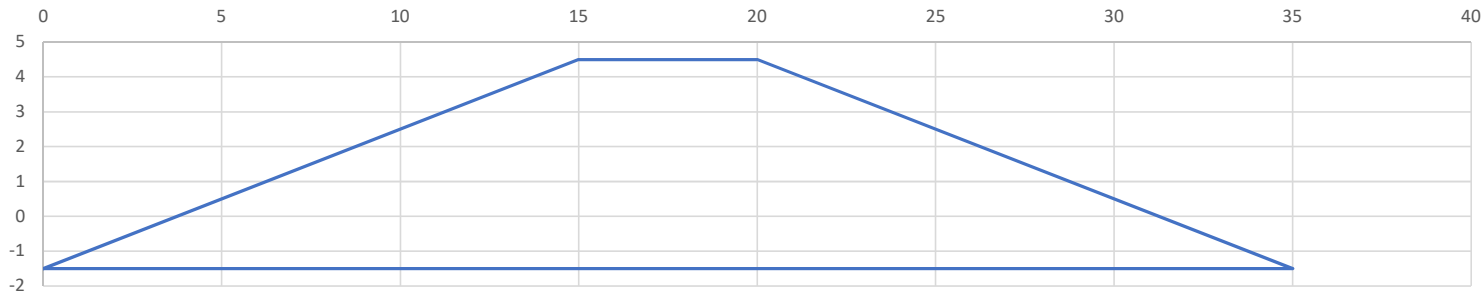
Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft

*trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf

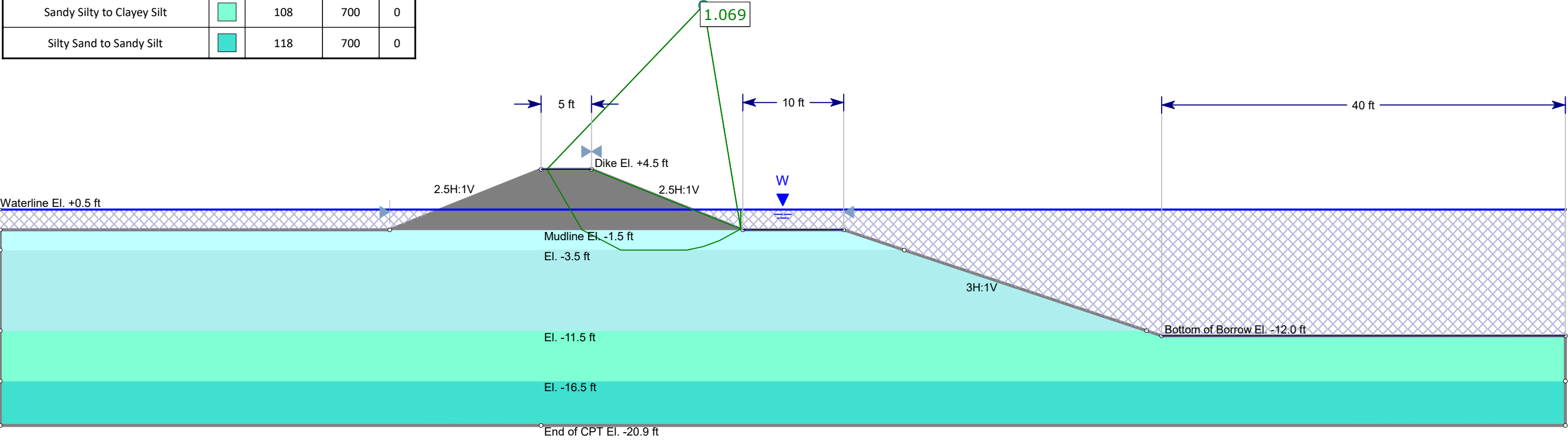
Emb. Load: 16,800 lb



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60
50
40
30
20
10
0
-10
-20
-30

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)	<div></div>	140	0	35
Sensitive, Fine Grained Materials	<div></div>	108	100	0
Clay	<div></div>	108	150	0
Sandy Silty to Clayey Silt	<div></div>	108	700	0
Silty Sand to Sandy Silt	<div></div>	118	700	0



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Rock Breakwater Stability		Description	
Scale:				Project Number		Company	
Location				File Name		Date	
C-5 (Cell 1)				4585-17-006		S&ME	
				_C-5 with Rip Rap.slmd		4/26/2018	

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Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	100
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.057$ (-)
 $C2/C1 = 1.5$ (-)

$q_{ult} = 800.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 840.00$ lb/ft per foot of embankment

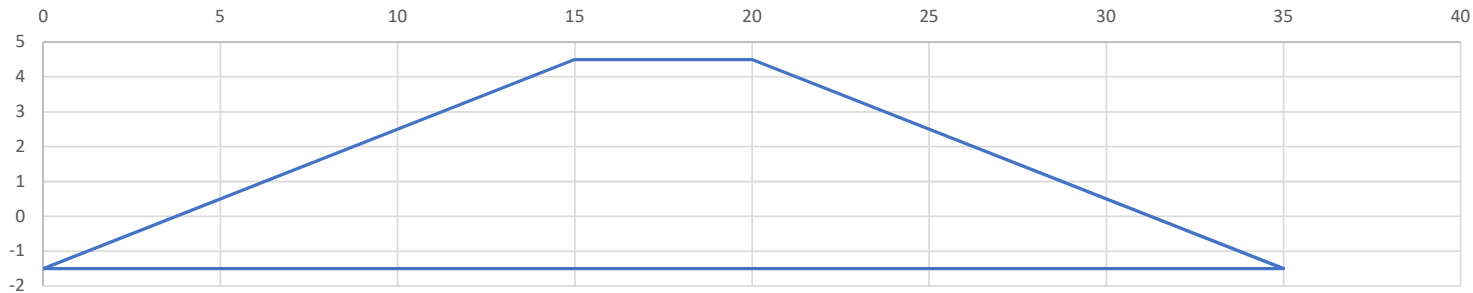
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 Fail

Embankment Dimensions:

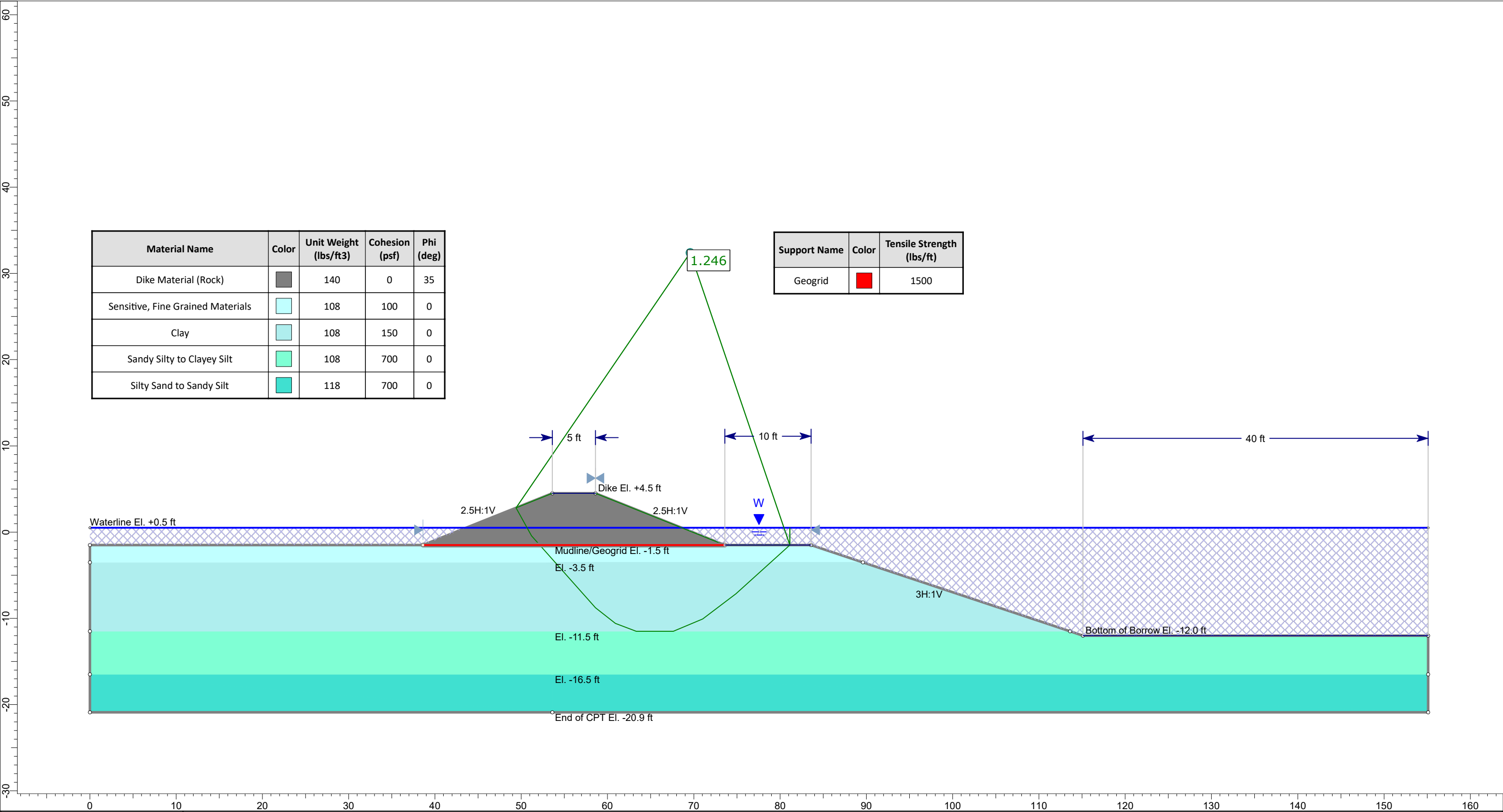
Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 16,800 lb



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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)	<div></div>	140	0	35
Sensitive, Fine Grained Materials	<div></div>	108	100	0
Clay	<div></div>	108	150	0
Sandy Silty to Clayey Silt	<div></div>	108	700	0
Silty Sand to Sandy Silt	<div></div>	118	700	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid	<div></div>	1500

<div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div>				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Project						Description	
Analysis		Rock Breakwater Stability				With Geogrid at Mudline - Dike Only	
Scale:		1:127	Project Number		4585-17-006	Company	
Location		C-5 (Cell 1)	File Name		_C-5 with Rip Rap.slmd	Date	
						S&ME	
						4/26/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	100
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

Nc = 8
 Nq = 1.00
 Nγ = 0.00

Df = 0 ft
 γ' = 45.6 pcf
 σ'D = 0 psf
 T = 2 ft
 T/B = 0.057 (-)
 C2/C1 = 1.5 (-)

q_{ult} = 800.00 psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

Δσ = 480.00 lb/ft per foot of embankment

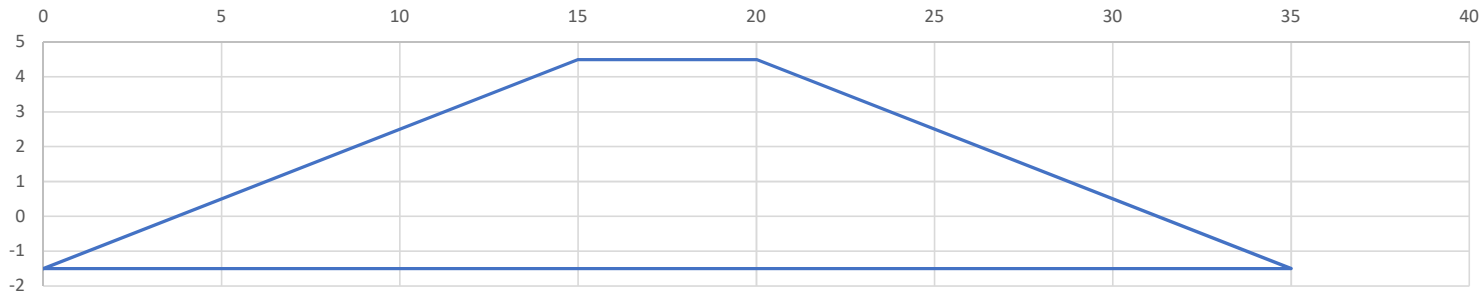
FS = 1.67
 Pass

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft
 *trapezoidal

Embankment Properties:

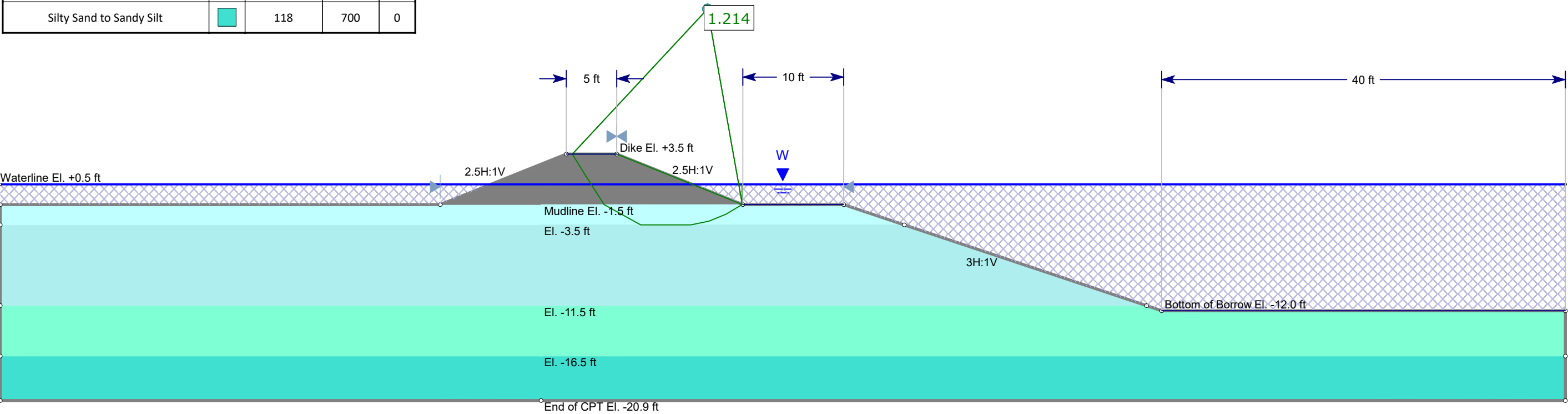
Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 16,800 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)	<div></div>	140	0	35
Sensitive, Fine Grained Materials	<div></div>	108	100	0
Clay	<div></div>	108	150	0
Sandy Silty to Clayey Silt	<div></div>	108	700	0
Silty Sand to Sandy Silt	<div></div>	118	700	0



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Rock Breakwater Stability		Description	
Scale:		1:127		Project Number		Dike Elevation 3.5', Without Geogrid - Dike Only	
Location		C-5 (Cell 1)		File Name		Company	
						S&ME	
						Date	
						5/3/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	100
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.067$ (-)
 $C2/C1 = 1.5$ (-)

$q_{ult} = 800.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 700.00$ lb/ft per foot of embankment

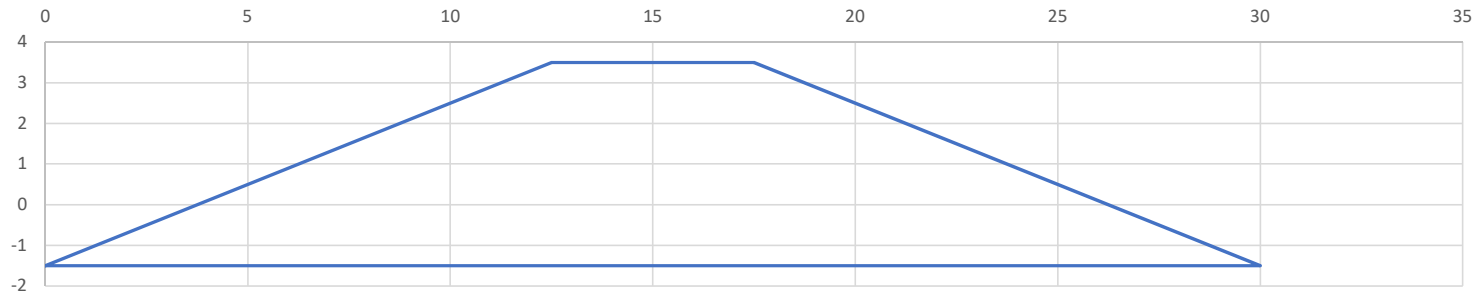
$FS = 1.14$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 2.5 :1
 Base Width: 30 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 12,250 lb



DRAFT

Project: PO-169
Project #: 4585-17-006
Location: C-5 (Cell 1)
Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	100
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

Nc = 8
 Nq = 1.00
 Nγ = 0.00

Df = 0 ft
 γ' = 45.6 pcf
 σ'D = 0 psf
 T = 2 ft
 T/B = 0.067 (-)
 C2/C1 = 1.5 (-)

q_{ult} = 800.00 psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

Δσ = 408.33 lb/ft per foot of embankment

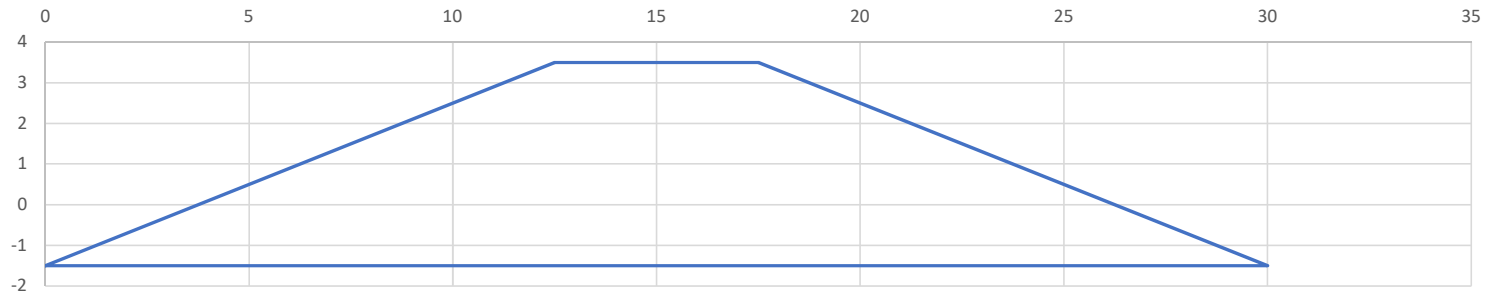
FS = 1.96
 Pass

Embankment Dimensions:

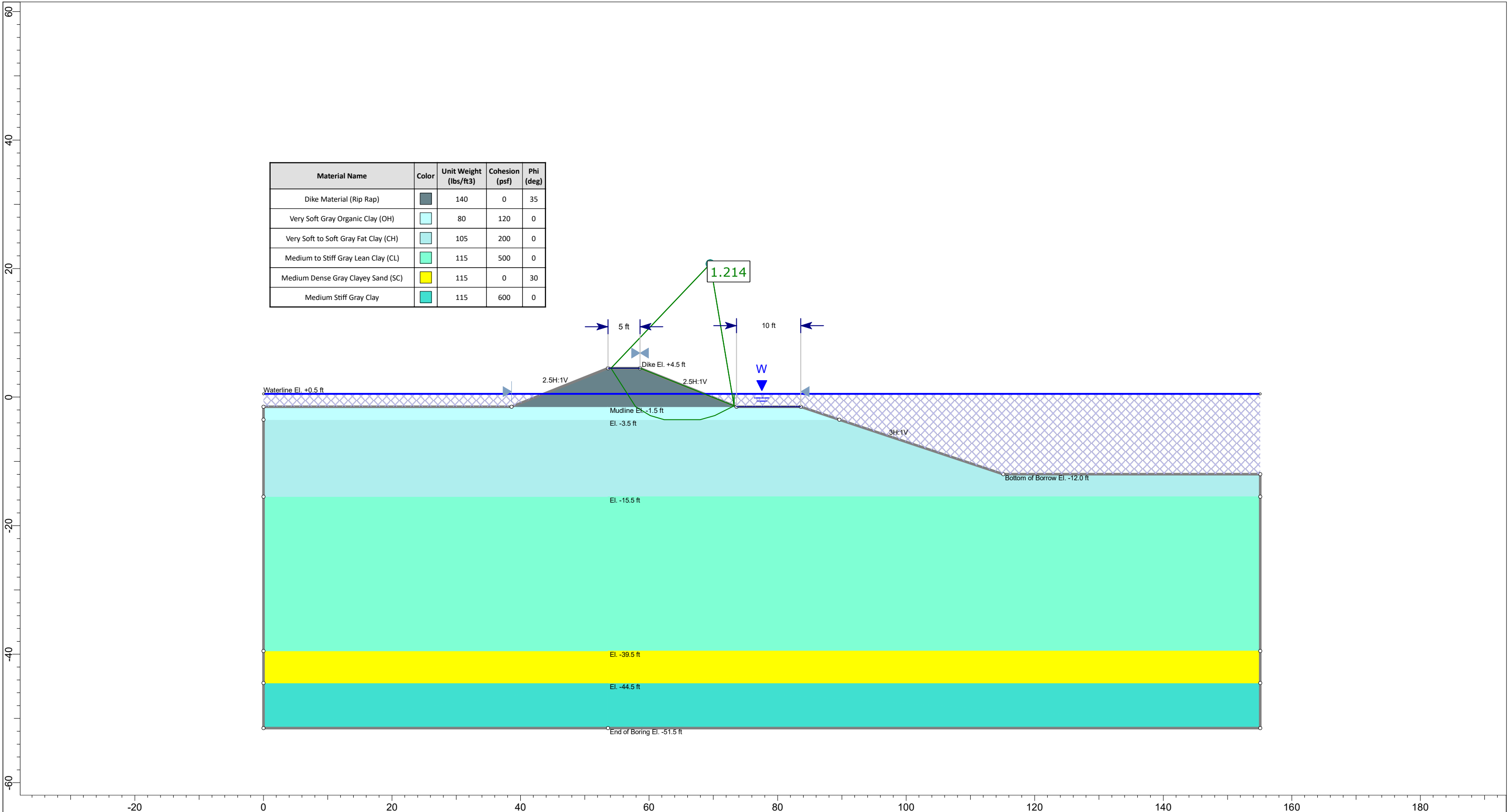
Crest Width: 5 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 2.5 :1
 Base Width: 30 ft
 *trapezoidal

Embankment Properties:


Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 12,250 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)		140	0	35
Very Soft Gray Organic Clay (OH)		80	120	0
Very Soft to Soft Gray Fat Clay (CH)		105	200	0
Medium to Stiff Gray Lean Clay (CL)		115	500	0
Medium Dense Gray Clayey Sand (SC)		115	0	30
Medium Stiff Gray Clay		115	600	0

	Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization						
	Analysis			Containment Dike Stability (Rip Rap)			Description		With Rip Rap, Side Slopes 2.5H:1V - Dike Only			
	Scale:		1:170		Project Number		4585-17-006		Company		S&ME	
	Location		B-8/C-4 (Cell 1)		File Name		_B-8 and C-4 with Rip Rap.slmd		Date		4/25/2018	
									Figure		DRAFT	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-8/C-4 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.057$ (-)
 $C2/C1 = 1.7$ (-)

$q_{ult} = 1080.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 840.00$ lb/ft per foot of embankment

$FS = 1.29$
 Fail

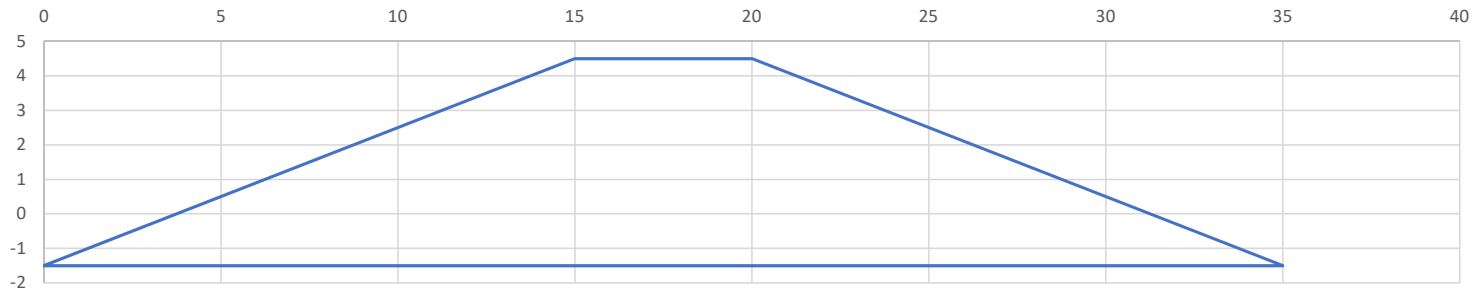
Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	120
2	2	14	-3.5	-15.5	105	0	200
3	14	38	-15.5	-39.5	115	0	500
4	38	43	-39.5	-44.5	115	30	0
5	43	50	-44.5	-51.5	115	0	600
6	50		-51.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 16,800 lb



DRAFT

Project: PO-169
Project #: 4585-17-006
Location: B-8/C-4 (Cell 1)
Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

Nc = 9
 Nq = 1.00
 Nγ = 0.00

Df = 0 ft
 γ' = 17.6 pcf
 σ'D = 0 psf
 T = 2 ft
 T/B = 0.057 (-)
 C2/C1 = 1.7 (-)

q_{ult} = 1080.00 psf

Factor of Safety:

$$FS = q_{ult} / q_{allow}$$

FS > 1.5

Δσ = 480.00 lb/ft per foot of embankment

FS = 2.25
 Pass

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	120
2	2	14	-3.5	-15.5	105	0	200
3	14	38	-15.5	-39.5	115	0	500
4	38	43	-39.5	-44.5	115	30	0
5	43	50	-44.5	-51.5	115	0	600
6	50		-51.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Embankment Dimensions:

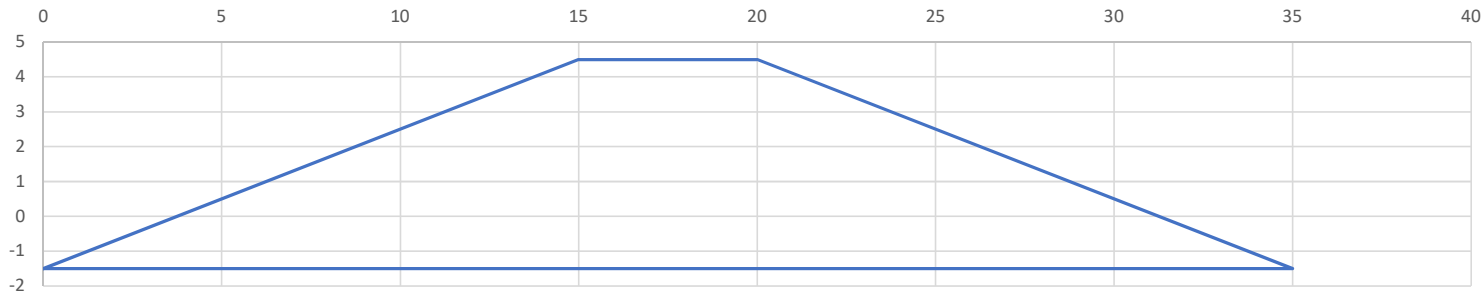
Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft

*trapezoidal

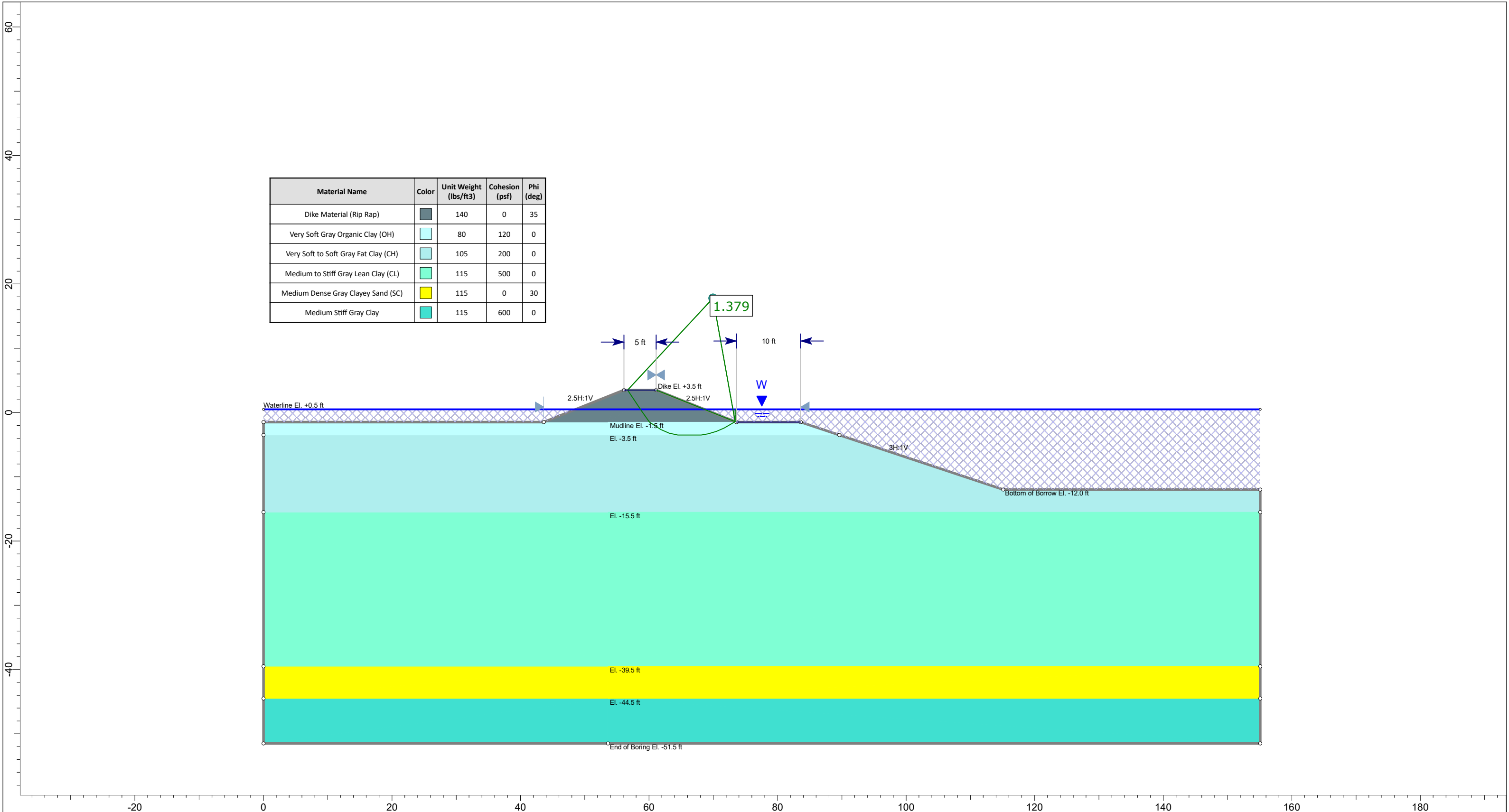
Embankment Properties:


Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf

Emb. Load: 16,800 lb



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	Project																																							
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization																																							
	Analysis					Containment Dike Stability (Rip Rap)					Description					without geogrid, dike +3.5 - Dike Only																								
	Scale:					1:170					Project Number					4585-17-006					Company					S&ME					Figure					II-2H				
	Location					B-8/C-4 (Cell 1)					File Name					_B-8 and C-4 with Rip Rap.slmd					Date					5/3/2018														

SLIDEINTERPRET 7.031

DRAFT

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Project: PO-169
 Project #: 4585-17-006
 Location: B-8/C-4 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	120
2	2	14	-3.5	-15.5	105	0	200
3	14	38	-15.5	-39.5	115	0	500
4	38	43	-39.5	-44.5	115	30	0
5	43	50	-44.5	-51.5	115	0	600
6	50		-51.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1080.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.067$ (-)
 $C2/C1 = 1.7$ (-)

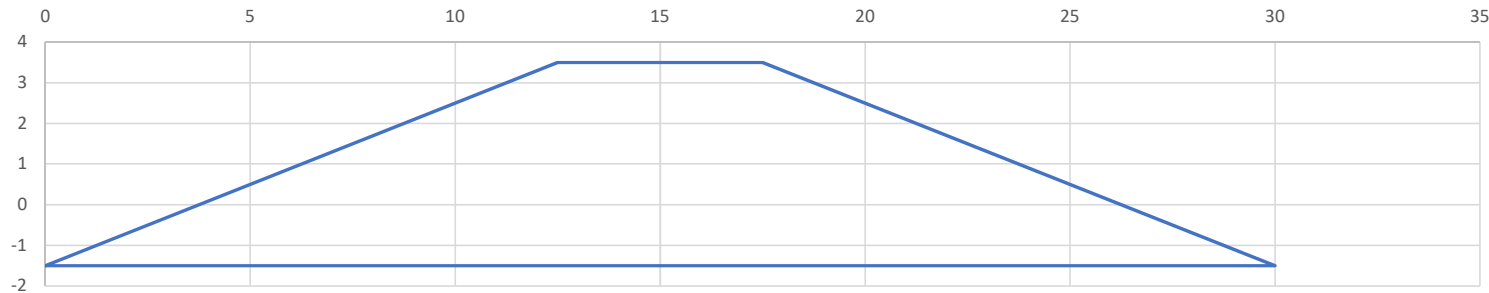
Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 700.00$ lb/ft per foot of embankment

$FS = 1.54$
 Pass

Embankment Dimensions:
 Crest Width: 5 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 2.5 :1
 Base Width: 30 ft
 *trapezoidal

Embankment Properties:
 Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 12,250 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-8/C-4 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.067$ (-)
 $C2/C1 = 1.7$ (-)

$q_{ult} = 1080.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 408.33$ lb/ft per foot of embankment

$FS = 2.64$
 Pass

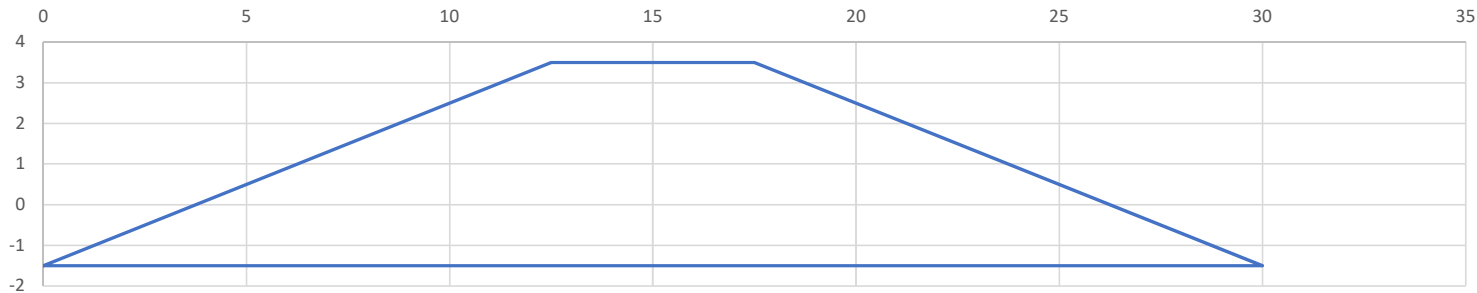
Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	120
2	2	14	-3.5	-15.5	105	0	200
3	14	38	-15.5	-39.5	115	0	500
4	38	43	-39.5	-44.5	115	30	0
5	43	50	-44.5	-51.5	115	0	600
6	50		-51.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Embankment Dimensions:

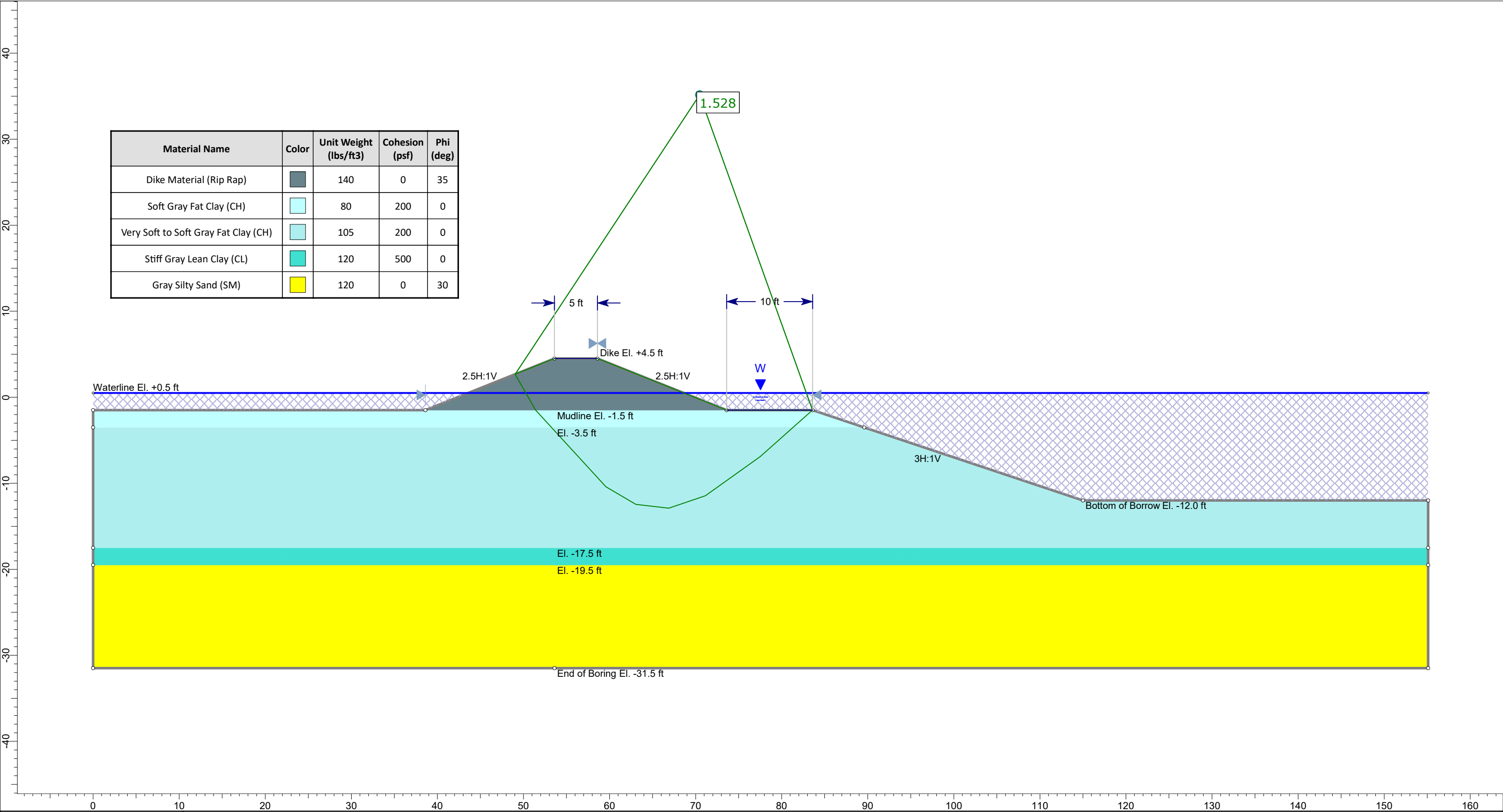
Crest Width: 5 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 2.5 :1
 Base Width: 30 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 12,250 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)	<div></div>	140	0	35
Soft Gray Fat Clay (CH)	<div></div>	80	200	0
Very Soft to Soft Gray Fat Clay (CH)	<div></div>	105	200	0
Stiff Gray Lean Clay (CL)	<div></div>	120	500	0
Gray Silty Sand (SM)	<div></div>	120	0	30

<div><div><div></div><div></div><div></div><div></div></div><div>SLIDEINTERPRET 7.031</div></div>	Project	New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis	Containment Dike Stability (Rip Rap)			Description Without Geogrid - Dike Only
	Scale:	1:127	Project Number	4585-17-006	Company S&ME
	Location	B-7 (Cell 1)	File Name	_B-7 and B-7A with Rip Rap.slmd	Date 4/25/2018

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-7 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	200
2	2	16	-3.5	-17.5	105	0	200
3	16	18	-17.5	-19.5	120	0	500
4	18	30	-19.5	-31.5	120	30	0
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 5.5$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 16$ ft
 $T/B = 0.457$ (-)
 $C2/C1 = 2.5$ (-)

$q_{ult} = 1100.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow}$$

$FS > 1.5$

$\Delta\sigma = 840.00$ lb/ft per foot of embankment

$FS = 1.31$
 Fail

Embankment Dimensions:

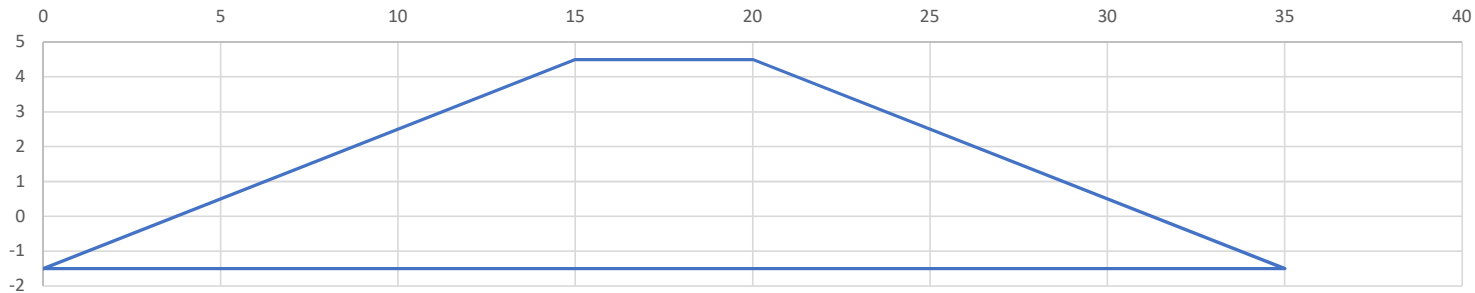
Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft

*trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf

Emb. Load: 16,800 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-7 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	200
2	2	16	-3.5	-17.5	105	0	200
3	16	18	-17.5	-19.5	120	0	500
4	18	30	-19.5	-31.5	120	30	0
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 5.5$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1100.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.457$ (-)
 $C2/C1 = 2.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 480.00$ lb/ft per foot of embankment

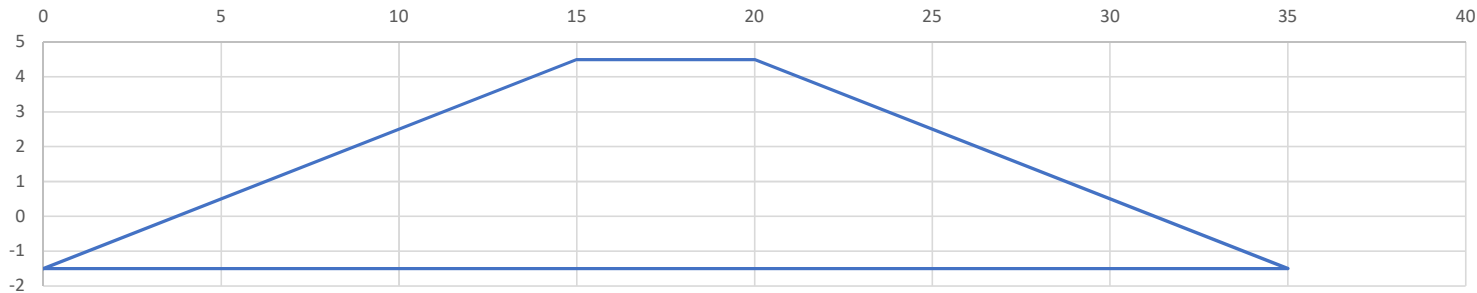
$FS = 2.29$
 Pass

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 4.5 ft
 Height: 6 ft
 Side Slope: 2.5 :1
 Base Width: 35 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 16,800 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-7 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	200
2	2	16	-3.5	-17.5	105	0	200
3	16	18	-17.5	-19.5	120	0	500
4	18	30	-19.5	-31.5	120	30	0
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

Nc = 5.5
 Nq = 1.00
 Nγ = 0.00

Df = 0 ft
 γ' = 17.6 pcf
 σ'D = 0 psf
 T = 16 ft
 T/B = 0.533 (-)
 C2/C1 = 2.5 (-)

q_{ult} = 1100.00 psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

Δσ = 700.00 lb/ft per foot of embankment

FS = 1.57
 Pass

Embankment Dimensions:

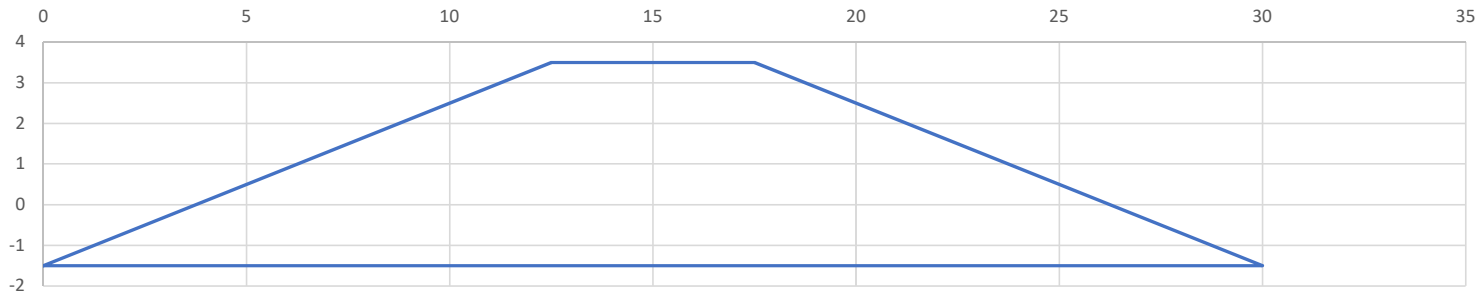
Crest Width: 5 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 2.5 :1
 Base Width: 30 ft

*trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf

Emb. Load: 12,250 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-7 (Cell 1)
 Date: 4/30/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	200
2	2	16	-3.5	-17.5	105	0	200
3	16	18	-17.5	-19.5	120	0	500
4	18	30	-19.5	-31.5	120	30	0
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 5.5$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1100.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.533$ (-)
 $C2/C1 = 2.5$ (-)

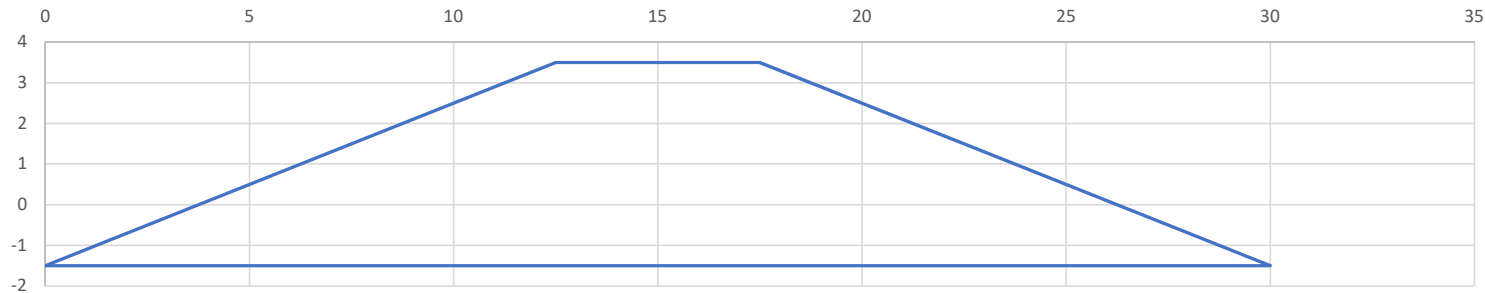
Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 408.33$ lb/ft per foot of embankment

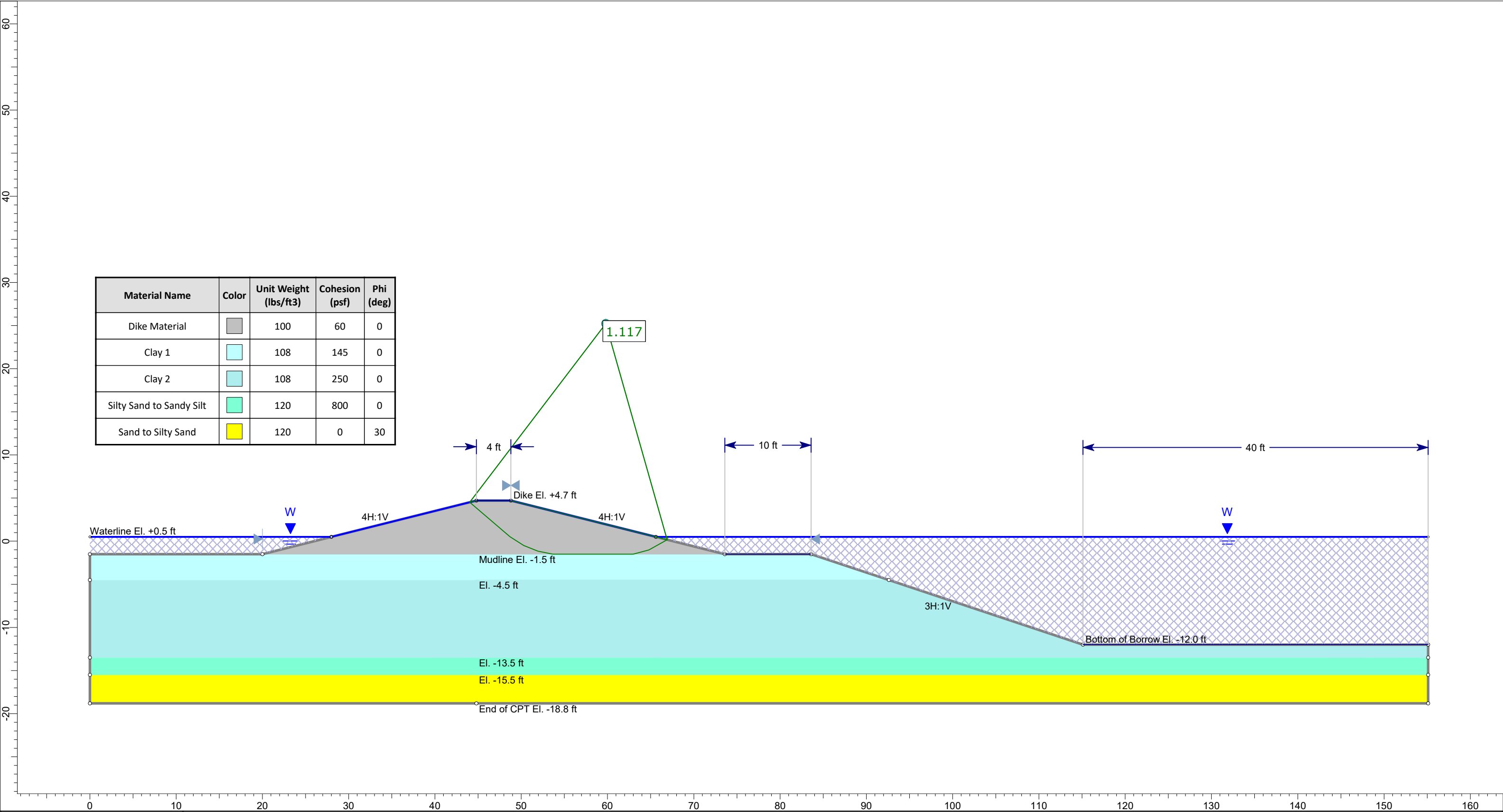
$FS = 2.69$
 Pass

Embankment Dimensions:
 Crest Width: 5 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 2.5 :1
 Base Width: 30 ft
 *trapezoidal


Embankment Properties:
 Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 12,250 lb



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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		100	60	0
Clay 1		108	145	0
Clay 2		108	250	0
Silty Sand to Sandy Silt		120	800	0
Sand to Silty Sand		120	0	30

	Project																																		
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization																																		
	Analysis					Earthen Containment Dike Stability					Description					Without Geogrid - Dike Only																			
	Scale:					1:127					Project Number					4585-17-006					Company					S&ME					Figure				
	Location					C-2 (Cell 1)					File Name					_C-2.slmd					Date					4/26/2018					DRAFT				

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-2 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 3$ ft
 $T/B = 0.056$ (-)
 $C2/C1 = 1.7$ (-)

$q_{ult} = 1305.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 620.00$ lb/ft per foot of embankment

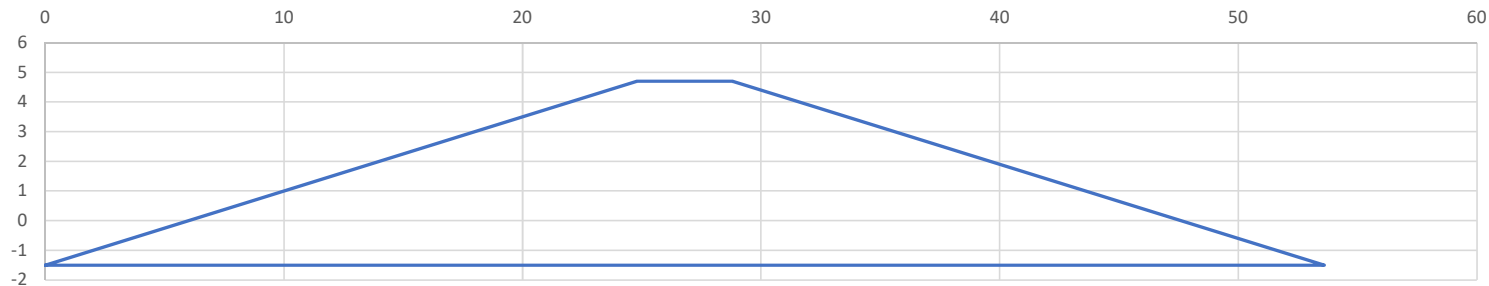
$FS = 2.10$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-2 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	3	-1.5	-4.5	108	0	145
2	3	12	-4.5	-13.5	108	0	250
3	12	14	-13.5	-15.5	120	0	800
4	14	17.3	-15.5	-18.8	120	30	0
5	17.3		-18.8	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$q_{ult} = 1305.00$ psf

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 3$ ft
 $T/B = 0.056$ (-)
 $C2/C1 = 1.7$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 333.13$ lb/ft per foot of embankment

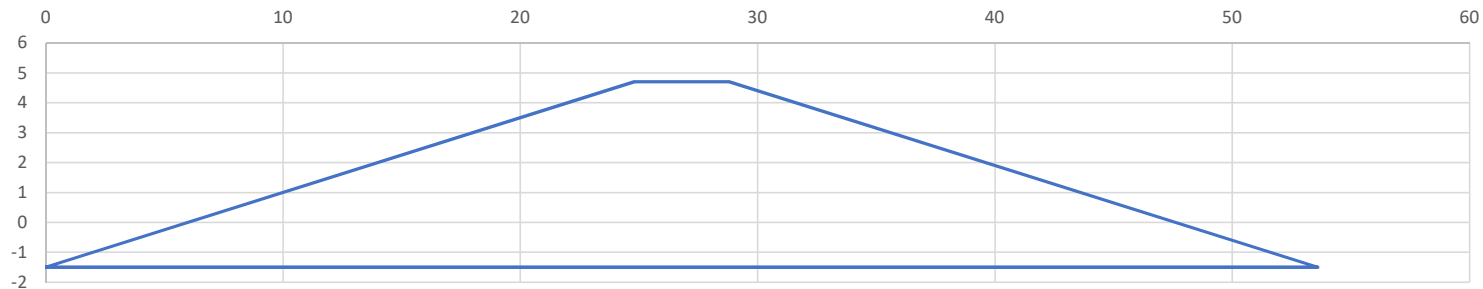
$FS = 3.92$
 Pass

Embankment Dimensions:

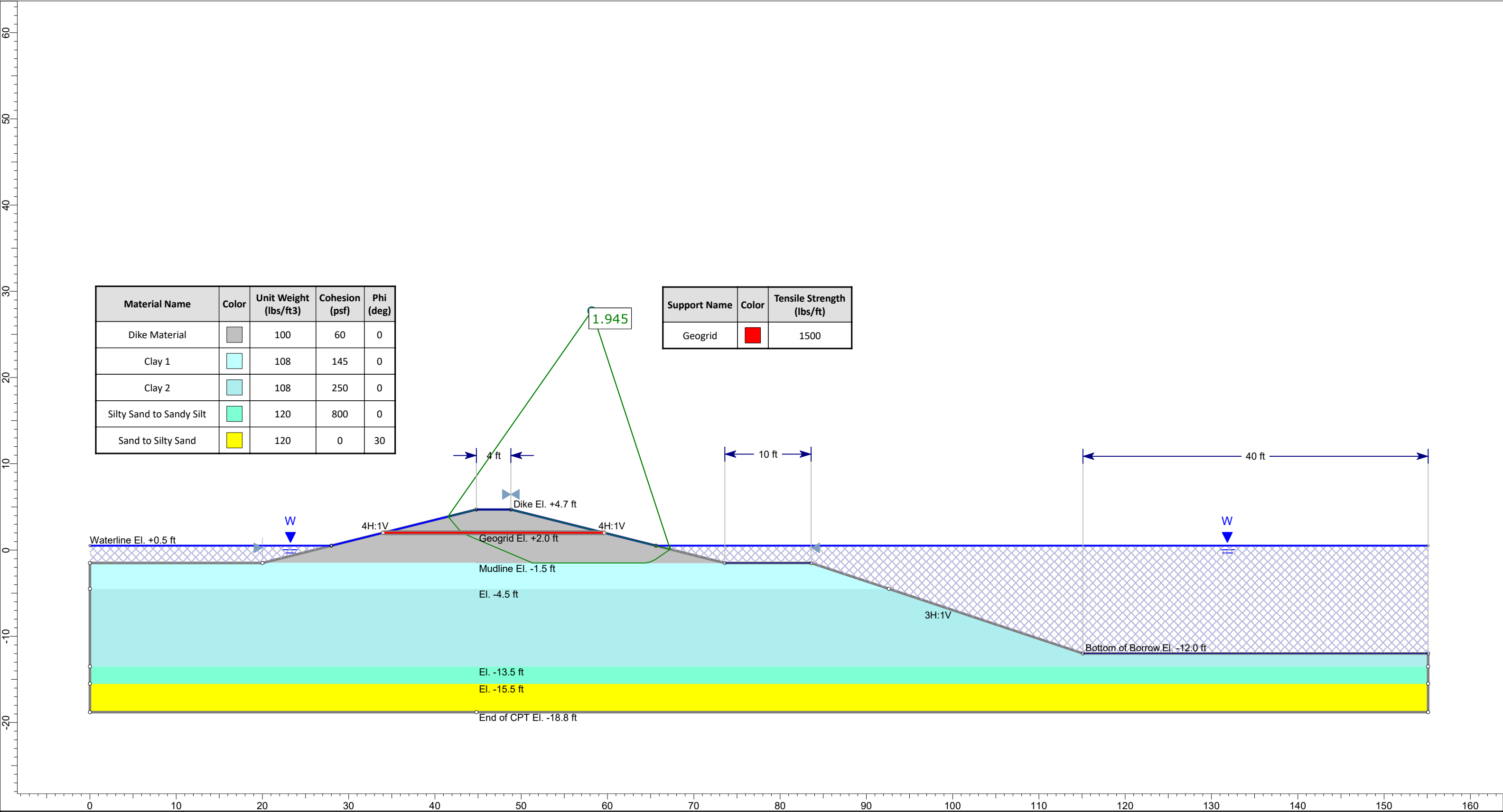
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



DRAFT



		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Earthen Containment Dike Stability		DescriptionWith Geogrid at Elevation +2.0 ft - Dike Only	
Scale:1:127		Project Number4585-17-006		CompanyS&ME	
LocationC-2 (Cell 1)		File Name_C-2.slmd		Date4/26/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (without Geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	75
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 620.00$ lb/ft per foot of embankment

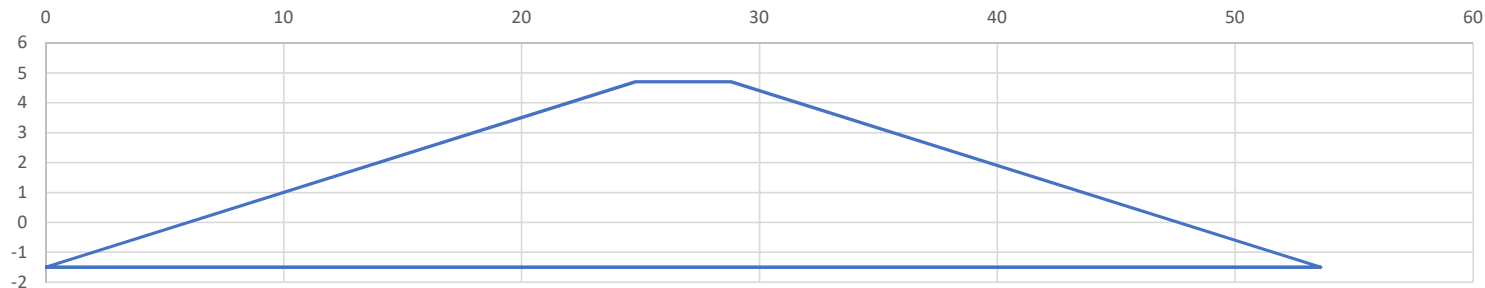
$FS = 1.21$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 2.0$ (-)

$q_{ult} = 750.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 333.13$ lb/ft per foot of embankment

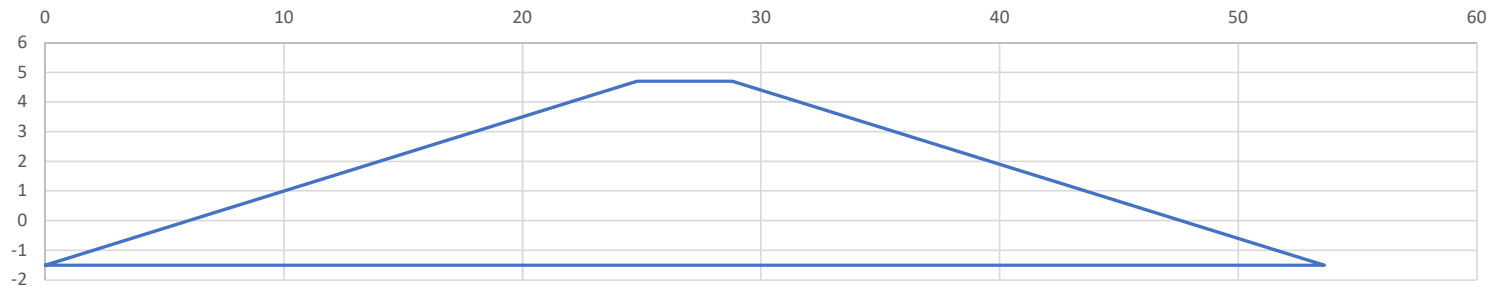
$FS = 2.25$
 Pass

Embankment Dimensions:

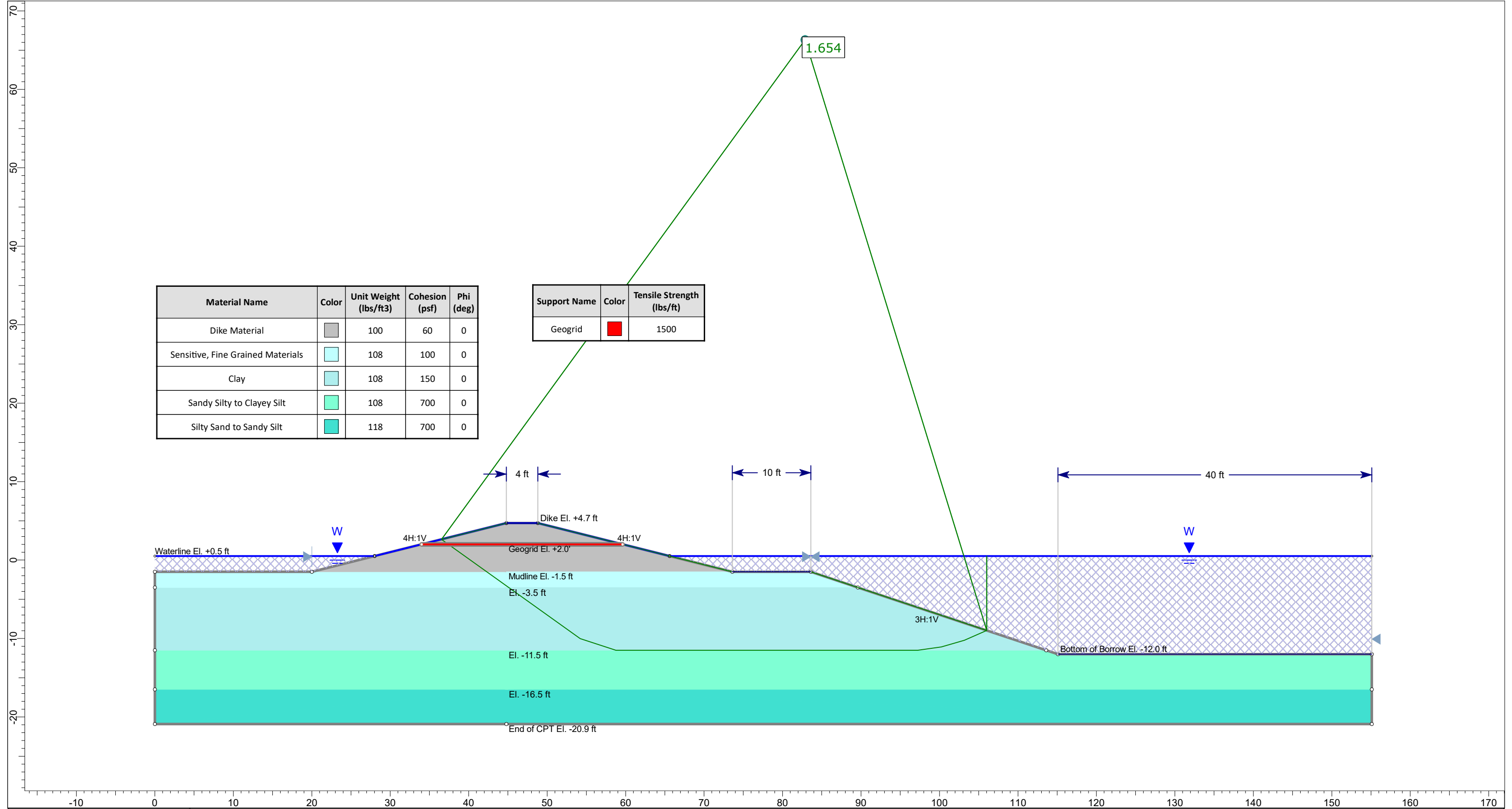
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



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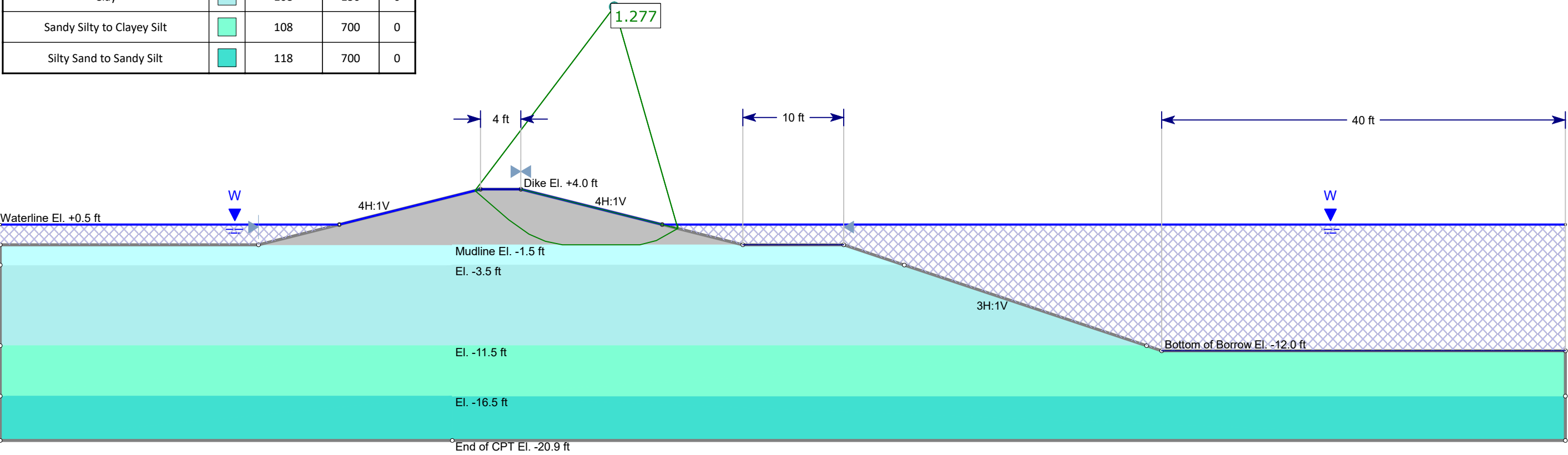


<div></div>				Project New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis Earthen Containment Dike Stability				Description With Geogrid at Elevation +2.0' - Dike and Borrow			
Scale: 1:139				Project Number 4585-17-006			
Location C-5 (Cell 1)				File Name _C-5.slmd			
				Company S&ME			
				Date 4/26/2018			

DRAFT

60
50
40
30
20
10
0
-10
-20
-30

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material	<div></div>	100	60	0
Sensitive, Fine Grained Materials	<div></div>	108	100	0
Clay	<div></div>	108	150	0
Sandy Silty to Clayey Silt	<div></div>	108	700	0
Silty Sand to Sandy Silt	<div></div>	118	700	0



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Earthen Containment Dike Stability		Description		Dike Elevation +4.0', Without Geogrid - Dike Only	
Scale:		1:127		Project Number		4585-17-006	
				Company		S&ME	
Location		C-5 (Cell 1)		File Name		_C-5.slmd	
				Date		5/3/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (without Geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	75
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.042$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 550.00$ lb/ft per foot of embankment

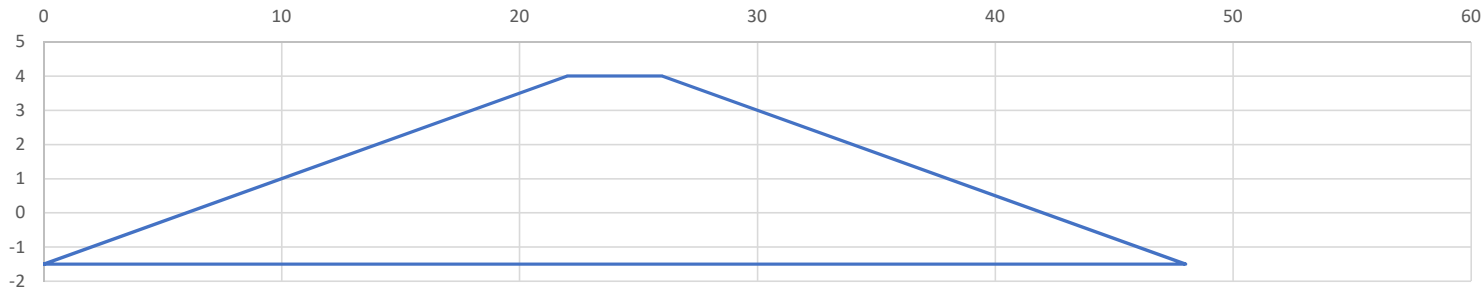
$FS = 1.36$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 14,300 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY

(with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.042$ (-)
 $C2/C1 = 2.0$ (-)

$q_{ult} = 750.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 297.92$ lb/ft per foot of embankment

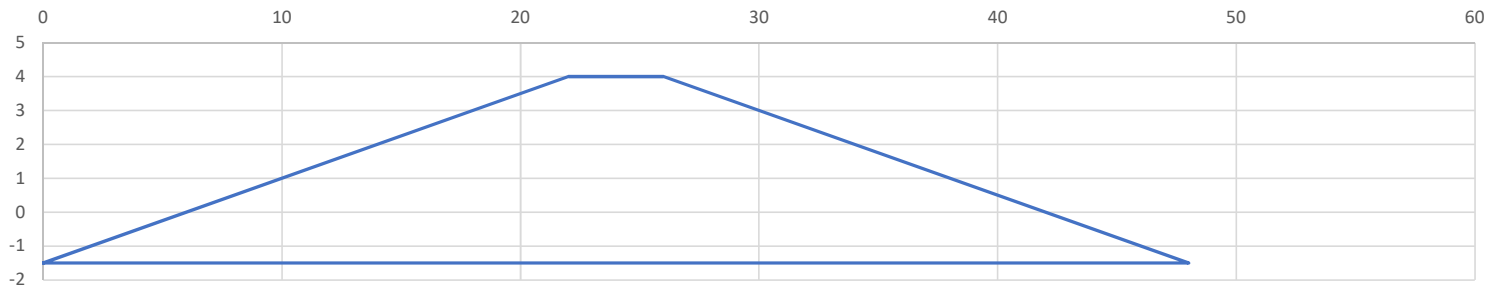
$FS = 2.52$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 14,300 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (without Geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	108	0	75
2	2	10	-3.5	-11.5	108	0	150
3	10	15	-11.5	-16.5	108	0	700
4	15	19.4	-16.5	-20.9	118	0	700
5	19.4		-20.9	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.045$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 500.00$ lb/ft per foot of embankment

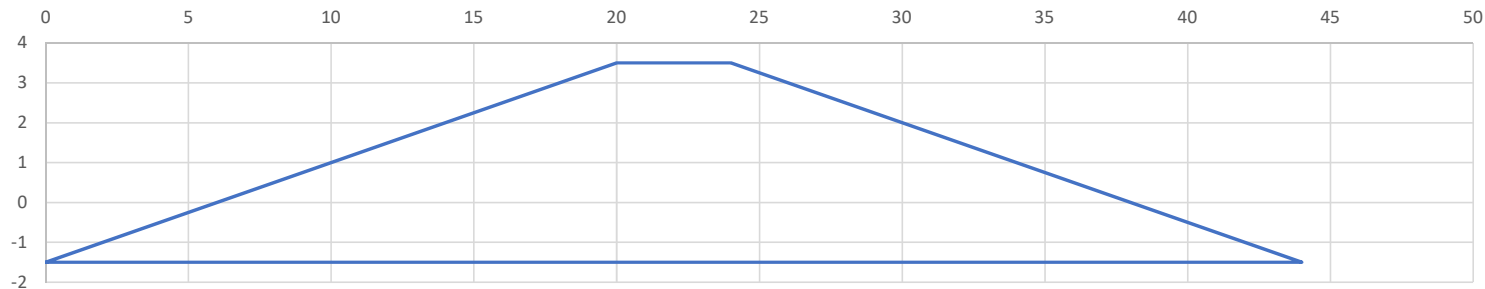
$FS = 1.50$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 4 :1
 Base Width: 44 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 12,000 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-5 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY

(with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 45.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.045$ (-)
 $C2/C1 = 2.0$ (-)

$q_{ult} = 750.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 272.73$ lb/ft per foot of embankment

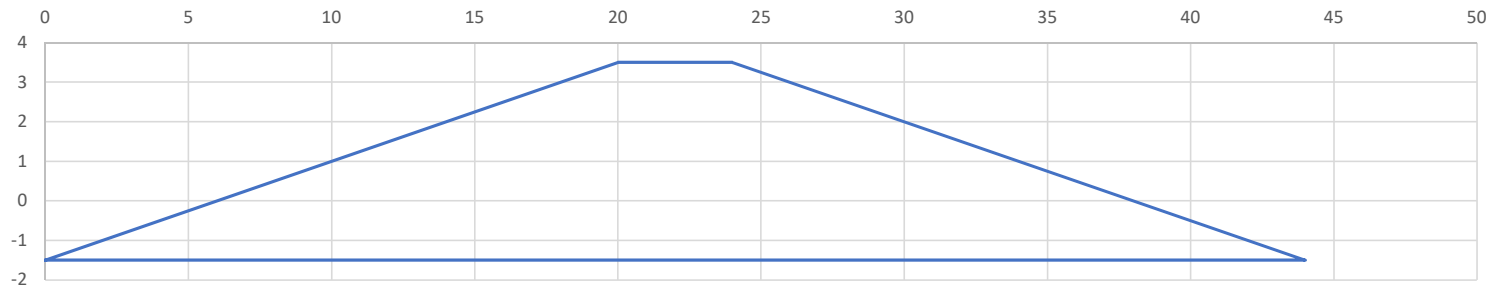
$FS = 2.75$
 Pass

Embankment Dimensions:

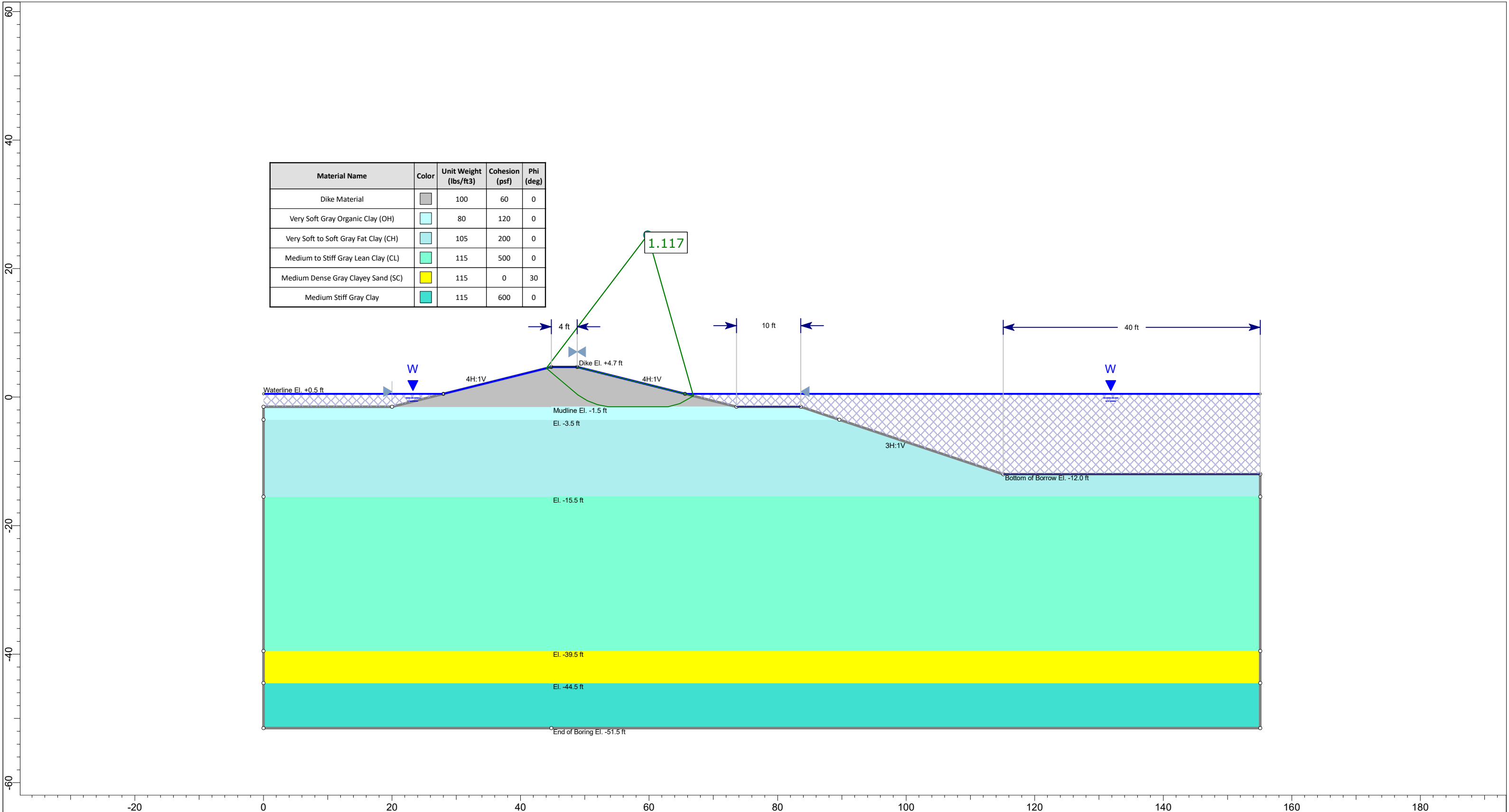
Crest Width: 4 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 4 :1
 Base Width: 44 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 12,000 lb



DRAFT



		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Containment Dike Stability		DescriptionWithout Geogrid - Dike Only	
Scale:1:170		Project Number4585-17-006		CompanyS&ME	
LocationB-8/C-4		File Name_B-8 and C-4.slmd		Date3/30/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-8/C-4 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	120
2	2	14	-3.5	-15.5	105	0	200
3	14	38	-15.5	-39.5	115	0	500
4	38	43	-39.5	-44.5	115	30	0
5	43	50	-44.5	-51.5	115	0	600
6	50		-51.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1080.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 1.7$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 620.00$ lb/ft per foot of embankment

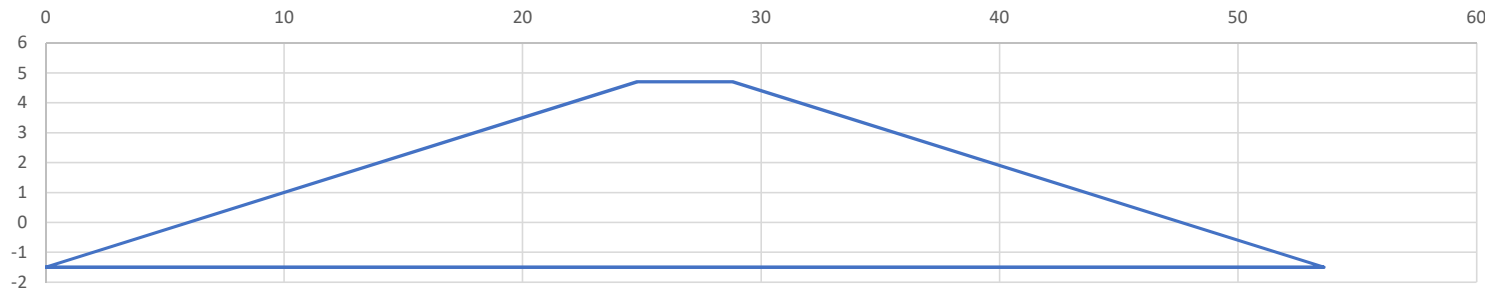
$FS = 1.74$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-8/C-4 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY

(with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	120
2	2	14	-3.5	-15.5	105	0	200
3	14	38	-15.5	-39.5	115	0	500
4	38	43	-39.5	-44.5	115	30	0
5	43	50	-44.5	-51.5	115	0	600
6	50		-51.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 1.7$ (-)

$q_{ult} = 1080.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow}$$

$FS > 1.5$

$\Delta\sigma = 333.13$ lb/ft per foot of embankment

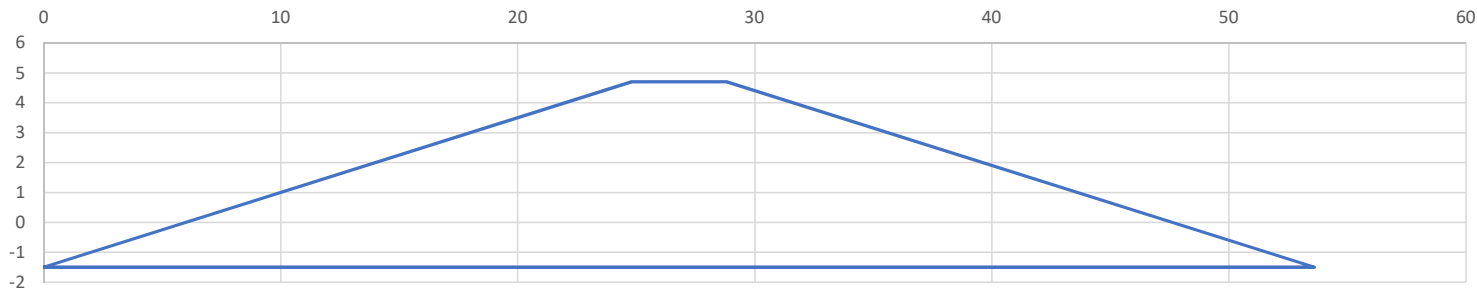
$FS = 3.24$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

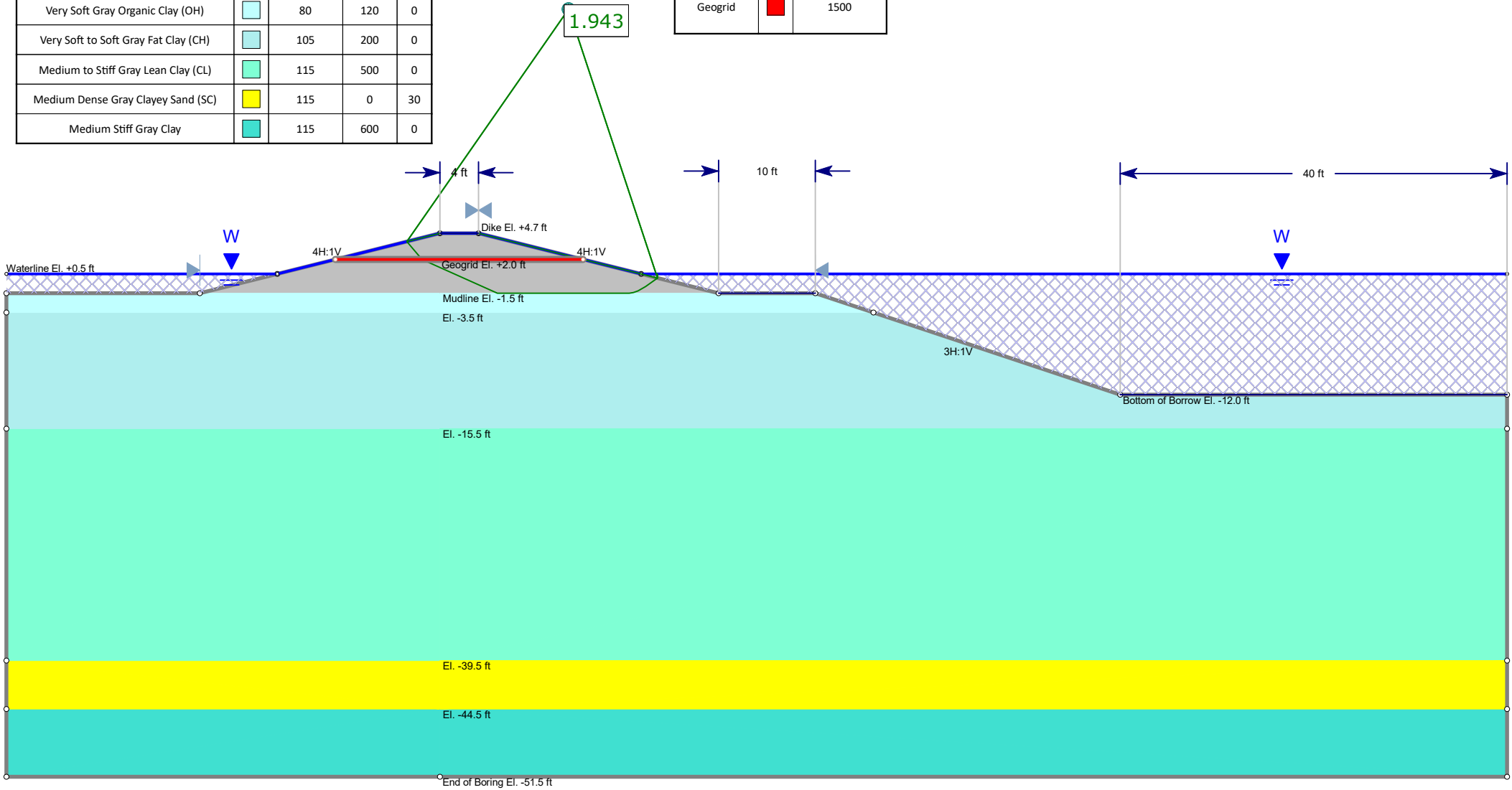
Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



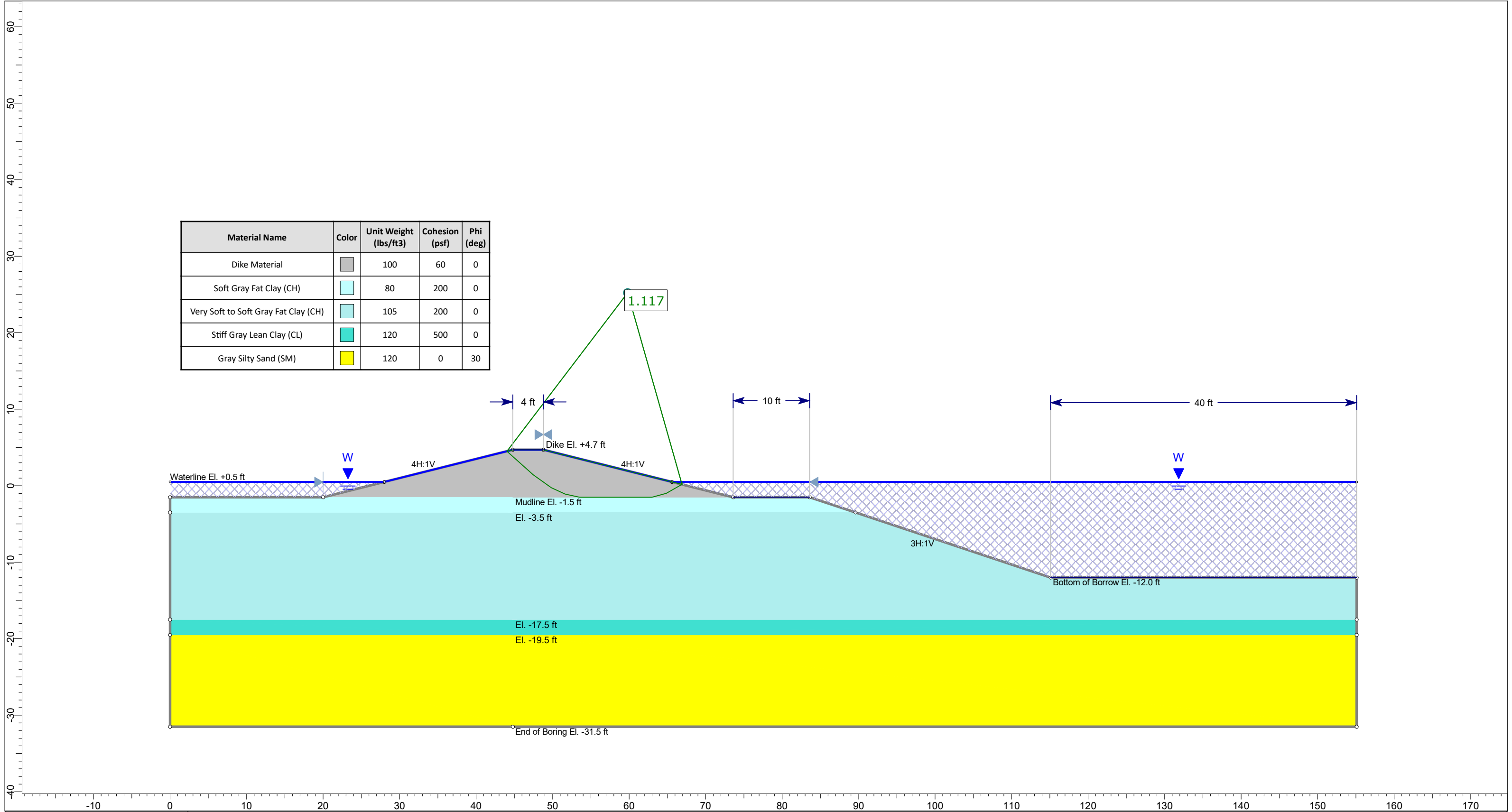
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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		100	60	0
Very Soft Gray Organic Clay (OH)		80	120	0
Very Soft to Soft Gray Fat Clay (CH)		105	200	0
Medium to Stiff Gray Lean Clay (CL)		115	500	0
Medium Dense Gray Clayey Sand (SC)		115	0	30
Medium Stiff Gray Clay		115	600	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500



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Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Containment Dike Stability		Description	
Scale:				Project Number		Without Geogrid - Dike Only	
Location				File Name		Company	
B-7 (Cell 1)				4585-17-006		S&ME	
				Date		Figure	
				_B-7.slmd		4/24/2018	

Project: PO-169
Project #: 4585-17-006
Location: B-7 (Cell 1)
Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 7$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 16$ ft
 $T/B = 0.299$ (-)
 $C2/C1 = 2.5$ (-)

$q_{ult} = 1400.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 620.00$ lb/ft per foot of embankment

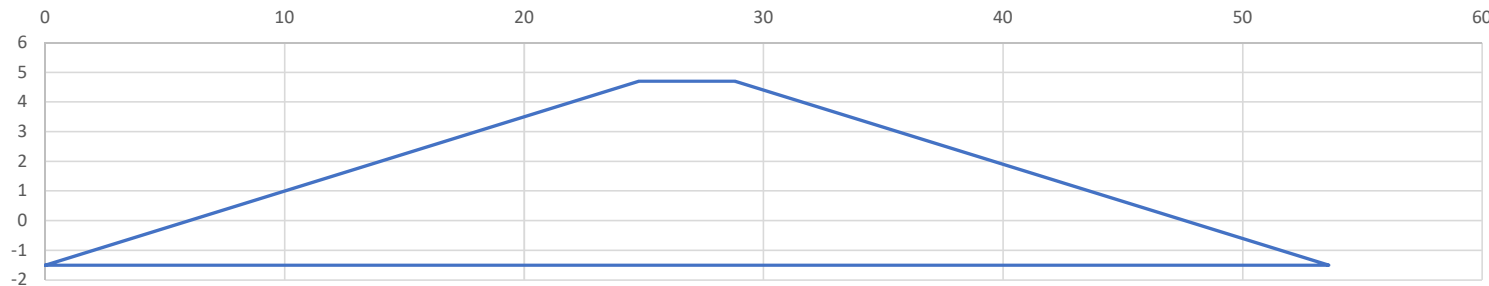
$FS = 2.26$
 Pass

Embankment Dimensions:

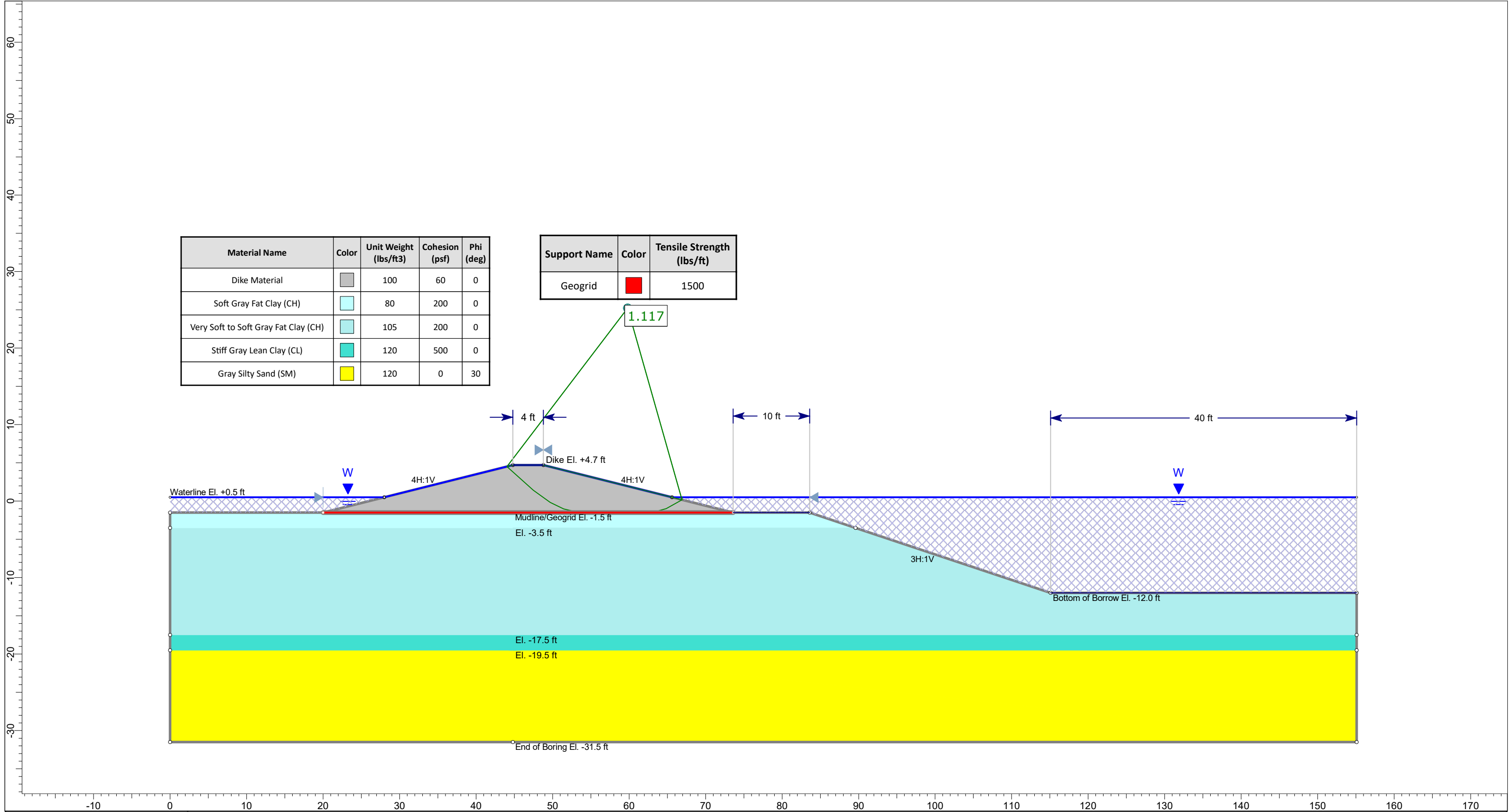
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



DRAFT



<div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div></div>		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Containment Dike Stability		DescriptionWith Geogrid at Mudline - Dike Only	
Scale:1:143		Project Number4585-17-006		CompanyS&ME	
LocationB-7 (Cell 1)		File Name_B-7.slmd		Date4/24/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-7 (Cell 1)
 Date: 4/30/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	200
2	2	16	-3.5	-17.5	105	0	200
3	16	18	-17.5	-19.5	120	0	500
4	18	30	-19.5	-31.5	120	30	0
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 7$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 16$ ft
 $T/B = 0.299$ (-)
 $C2/C1 = 2.5$ (-)

$q_{ult} = 1400.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 333.13$ lb/ft per foot of embankment

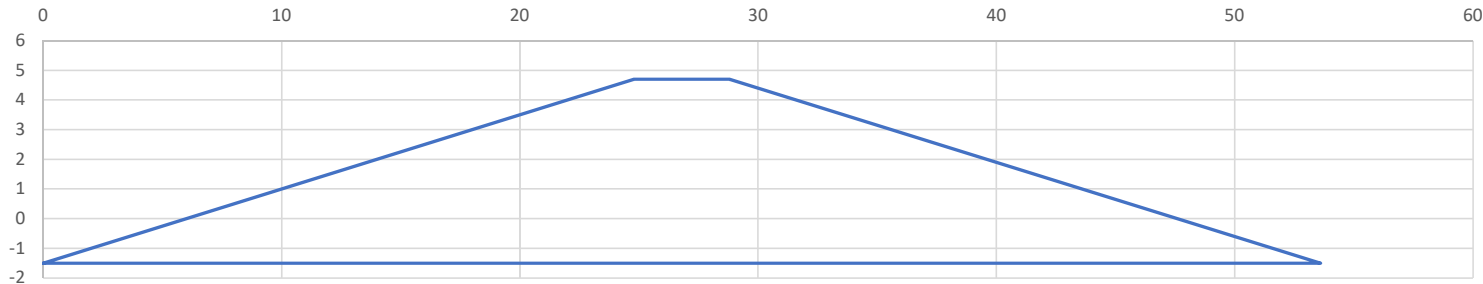
$FS = 4.20$
 Pass

Embankment Dimensions:

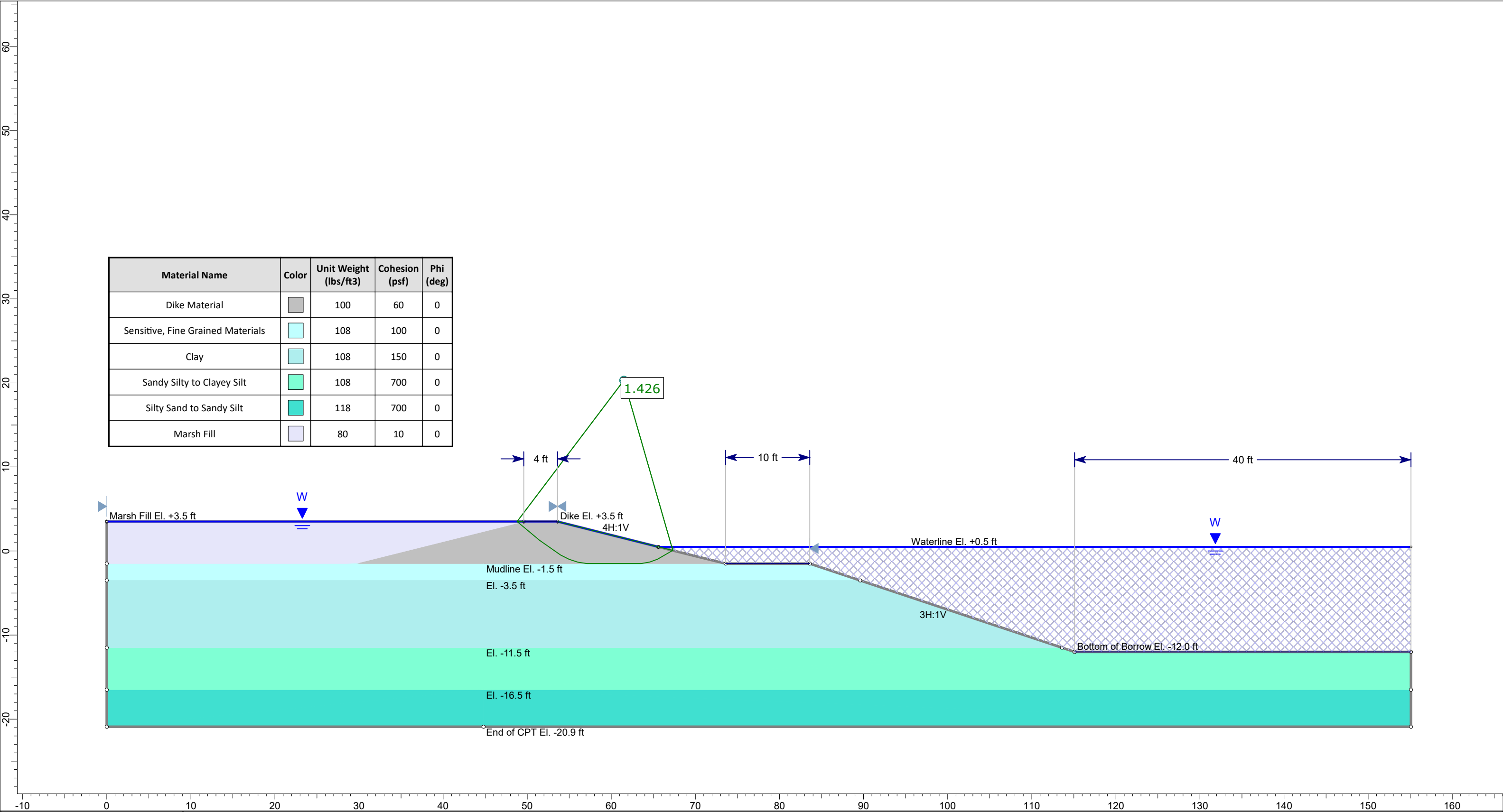
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:


Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		100	60	0
Sensitive, Fine Grained Materials		108	100	0
Clay		108	150	0
Sandy Silty to Clayey Silt		108	700	0
Silty Sand to Sandy Silt		118	700	0
Marsh Fill		80	10	0

	Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization																																						
	Analysis					Earthen Containment Dike Stability With Marsh Fill					Description					Without Geogrid, Dike 3.5', MF 3.5' - Dike Only																												
	Scale:					1:130					Project Number					4585-17-006					Company					S&ME					Figure					II-10M								
	Location					C-5 (Cell 1)					File Name					_C-5 with Marsh Fill.slmd					Date					5/3/2018																		

DRAFT



Figure

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 3.3$ (-)

$q_{ult} = 300.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 630.00$ lb/ft per foot of embankment

$FS = 0.48$
 Fail

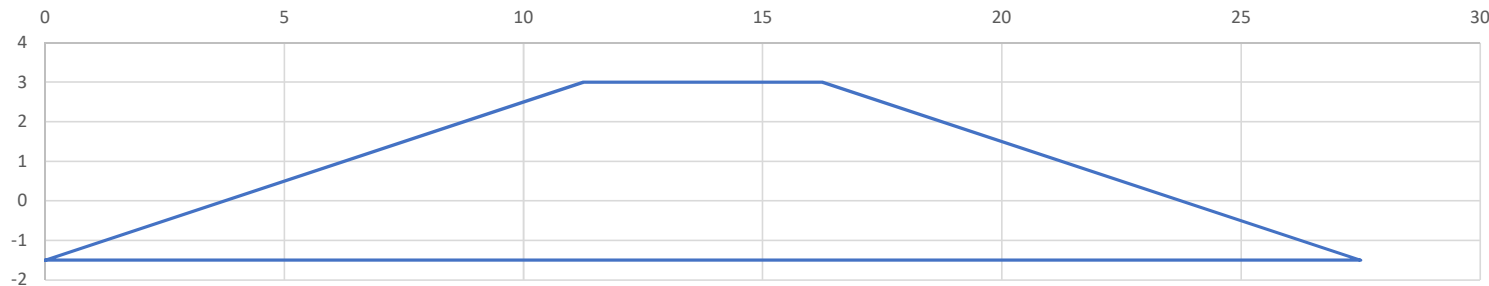
Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 372.27$ lb/ft per foot of embankment

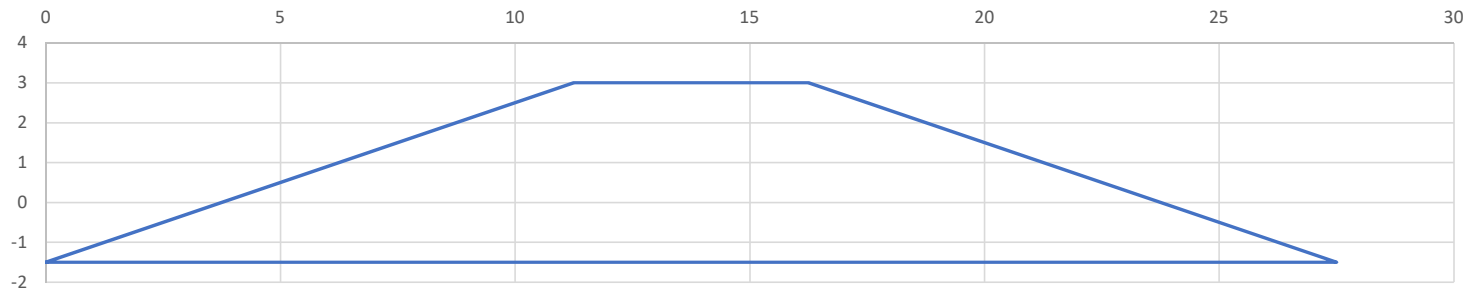
$FS = 0.81$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.178$ (-)
 $C2/C1 = 3.3$ (-)

$q_{ult} = 300.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 490.00$ lb/ft per foot of embankment

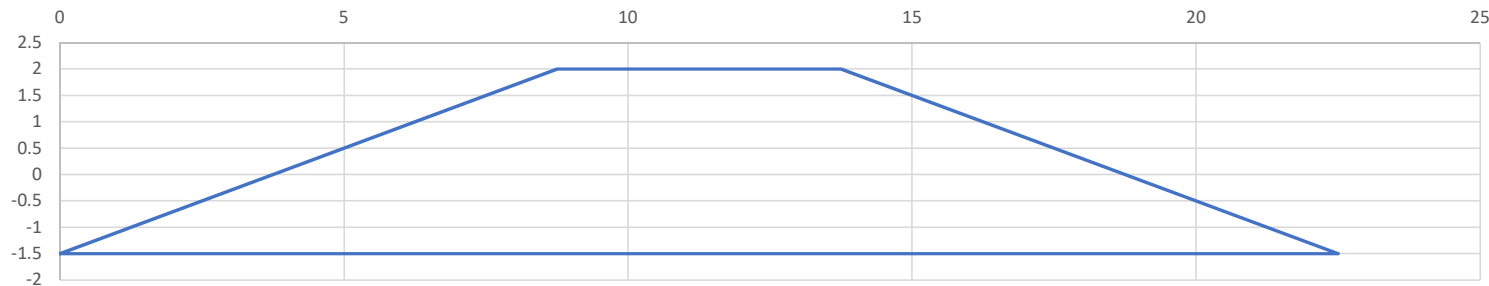
$FS = 0.61$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 2 ft
 Height: 3.5 ft
 Side Slope: 2.5 :1
 Base Width: 22.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 6,738 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.178$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.44$ lb/ft per foot of embankment

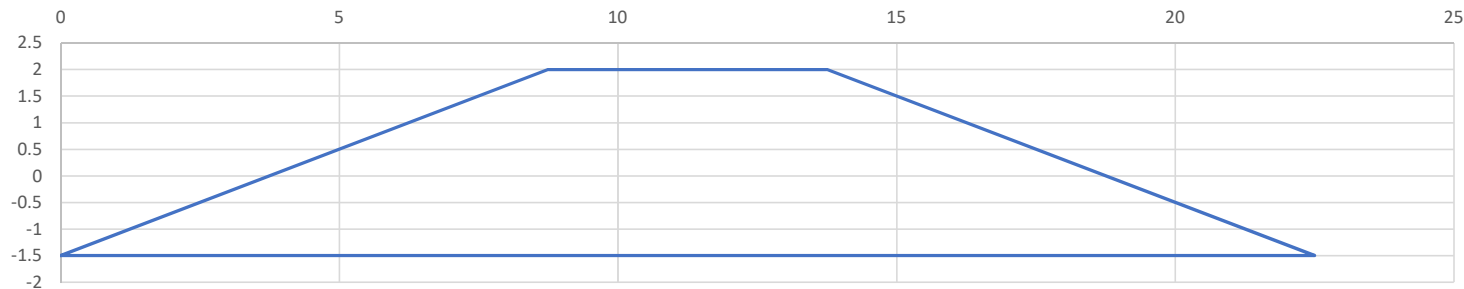
$FS = 1.00$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 2 ft
 Height: 3.5 ft
 Side Slope: 2.5 :1
 Base Width: 22.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 6,738 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.200$ (-)
 $C2/C1 = 3.3$ (-)

$q_{ult} = 300.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow} \quad FS > 1.5$$

$\Delta\sigma = 420.00$ lb/ft per foot of embankment

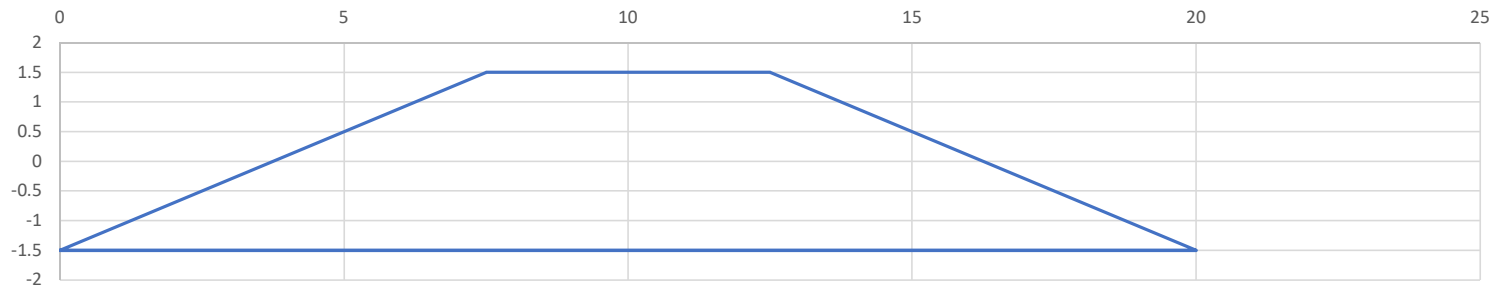
$FS = 0.71$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 2.5 :1
 Base Width: 20 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 5,250 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.200$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 262.50$ lb/ft per foot of embankment

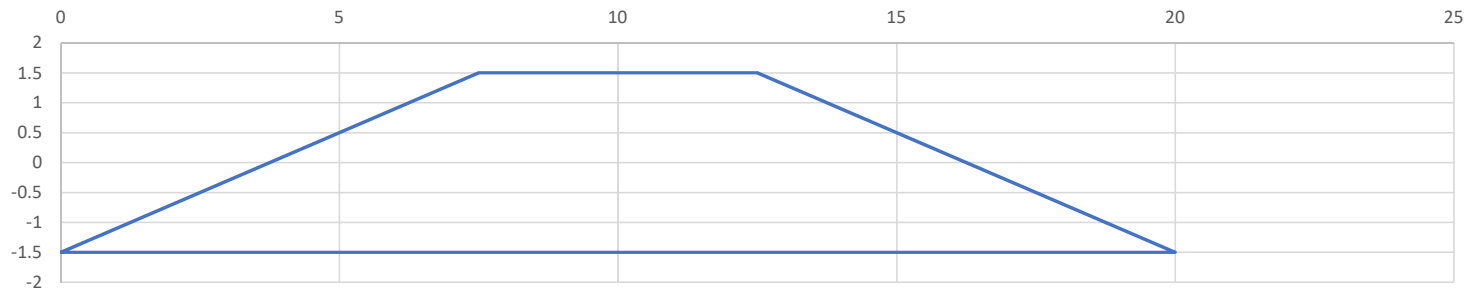
$FS = 1.14$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 2.5 :1
 Base Width: 20 ft
 *trapezoidal

Embankment Properties:

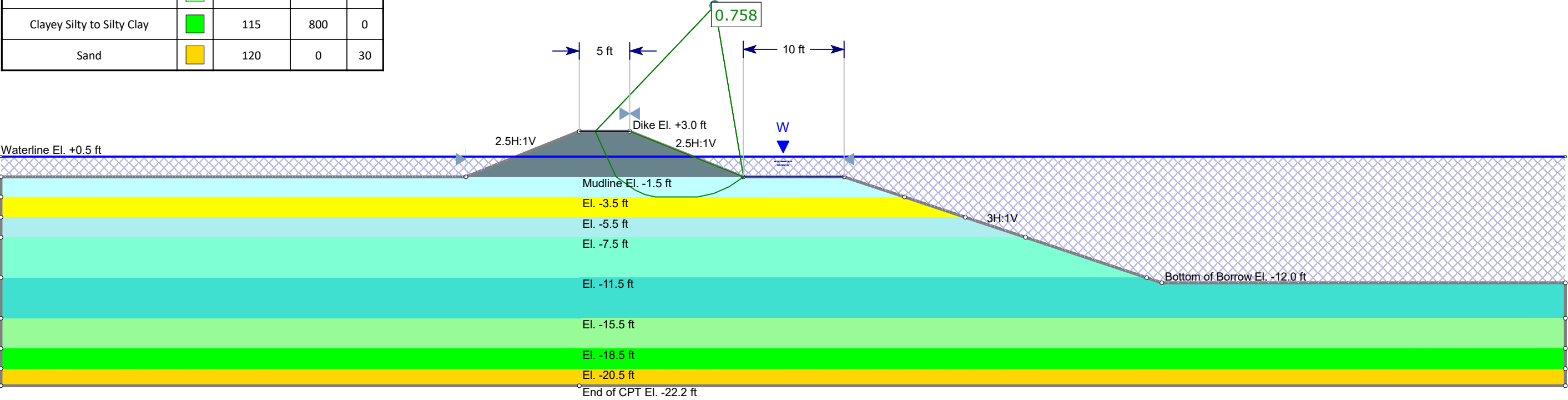
Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 5,250 lb



DRAFT

60
50
40
30
20
10
0
-10
-20
-30

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)	<div></div>	140	0	35
Sensitive, Fine Grained Soils	<div></div>	80	50	0
Silty Sand to Sandy Silt	<div></div>	118	0	30
Sandy Silt to Clayey Silt	<div></div>	115	100	0
Clay 1	<div></div>	105	100	0
Clay 2	<div></div>	105	150	0
Silty Clay to Clay	<div></div>	105	300	0
Clayey Silty to Silty Clay	<div></div>	115	800	0
Sand	<div></div>	120	0	30



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Rock Breakwater Stability		Description	
Scale:				1:127		Without Geogrid - Dike Only	
Location				C-8 (Cell 2)		Company	
				Project Number		S&ME	
				File Name		Date	
				_C-8 with Rip Rap.slmd		4/26/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-8 (Cell 2)
 Date: 4/17/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	50
2	2	4	-3.5	-5.5	118	30	0
3	4	6	-5.5	-7.5	115	0	100
4	6	10	-7.5	-11.5	105	0	100
5	10	14	-11.5	-15.5	105	0	150
6	14	17	-15.5	-18.5	105	0	300
7	17	19	-18.5	-20.5	115	0	800
8	19	20.7	-20.5	-22.2	120	30	0
9	20.7		-22.2	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 450.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 630.00$ lb/ft per foot of embankment

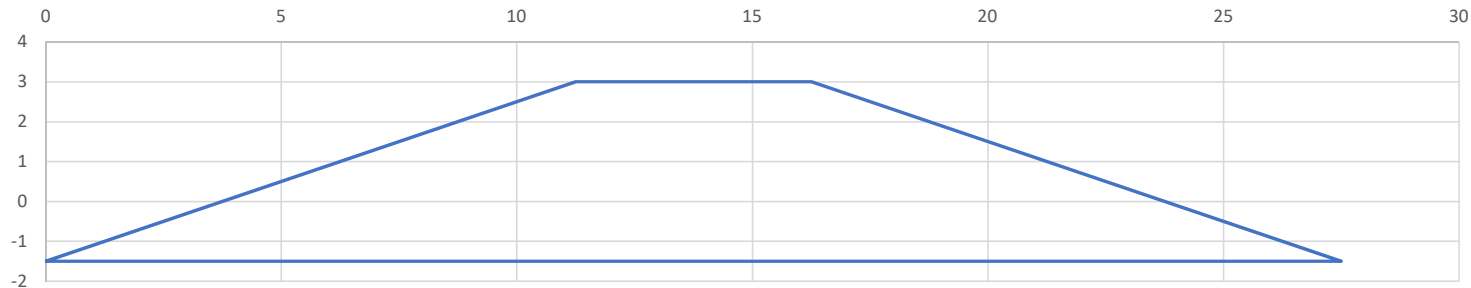
$FS = 0.71$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-8 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	50
2	2	4	-3.5	-5.5	118	30	0
3	4	6	-5.5	-7.5	115	0	100
4	6	10	-7.5	-11.5	105	0	100
5	10	14	-11.5	-15.5	105	0	150
6	14	17	-15.5	-18.5	105	0	300
7	17	19	-18.5	-20.5	115	0	800
8	19	20.7	-20.5	-22.2	120	30	0
9	20.7		-22.2	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$q_{ult} = 450.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 372.27$ lb/ft per foot of embankment

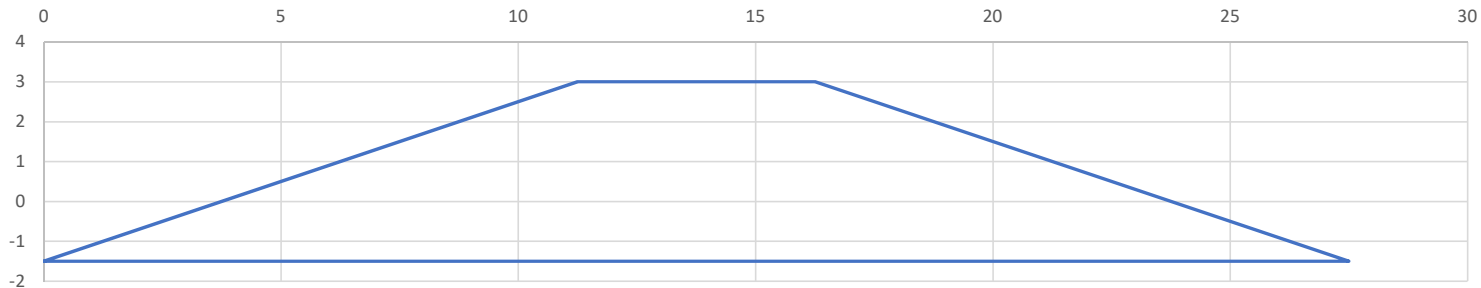
$FS = 1.21$
 Fail

Embankment Dimensions:

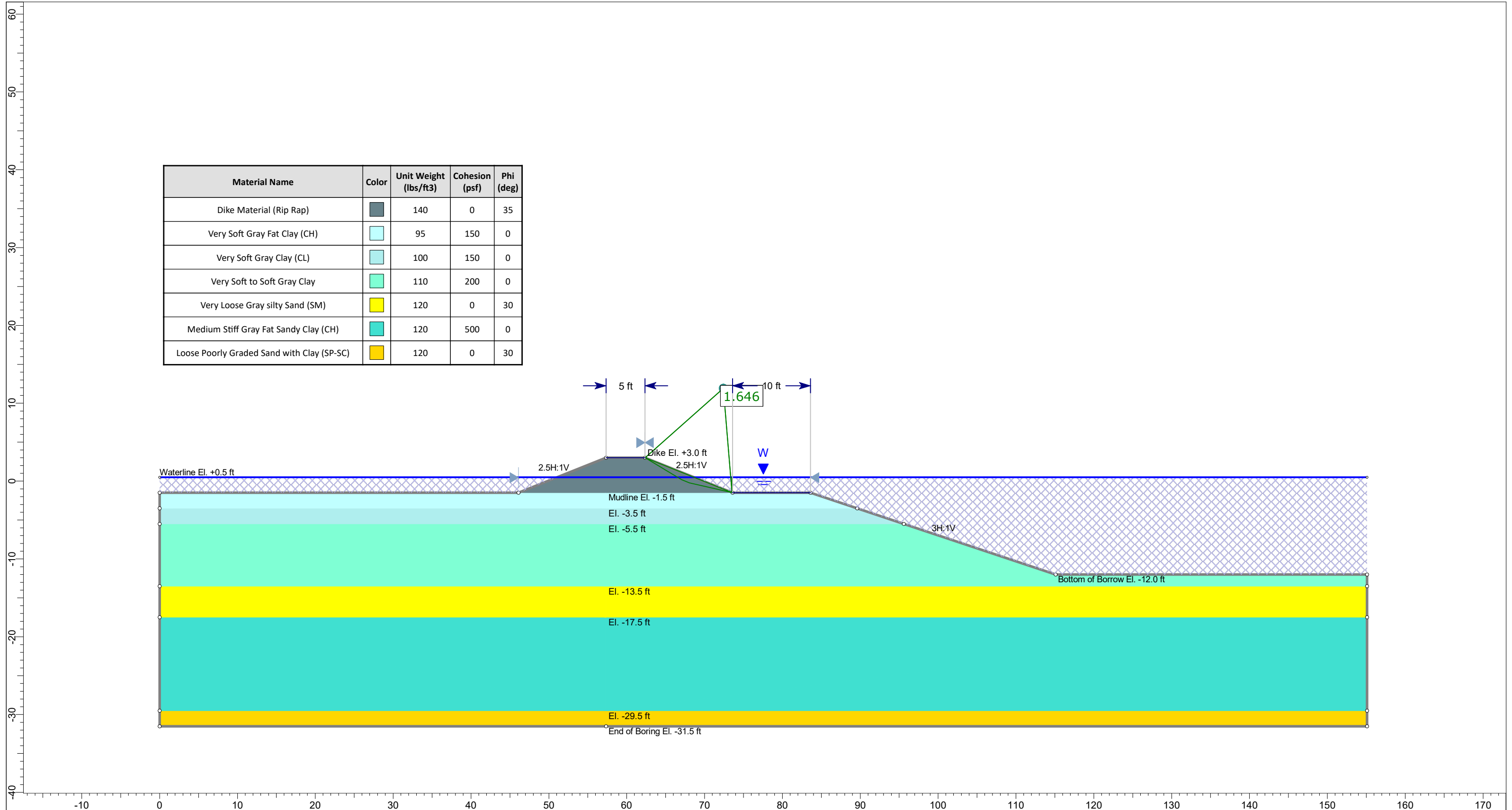
Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT



	Project				
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization				
	Analysis		Containment Dike Stability (Rip Rap)		
	Scale:		Project Number		
	Location		File Name		
		Description		Without Geogrid - Dike Only	
		Company		S&ME	
		Date		4/25/2018	
		Figure		B-9	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-9 (Cell 2)
 Date: 4/17/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	95	0	150
2	2	4	-3.5	-5.5	100	0	150
3	4	12	-5.5	-13.5	110	0	200
4	12	16	-13.5	-17.5	120	30	0
5	16	28	-17.5	-29.5	120	0	500
6	28	30	-29.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 7$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1050.00$ psf

$D_f = 0$ ft
 $\gamma' = 32.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 1.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 630.00$ lb/ft per foot of embankment

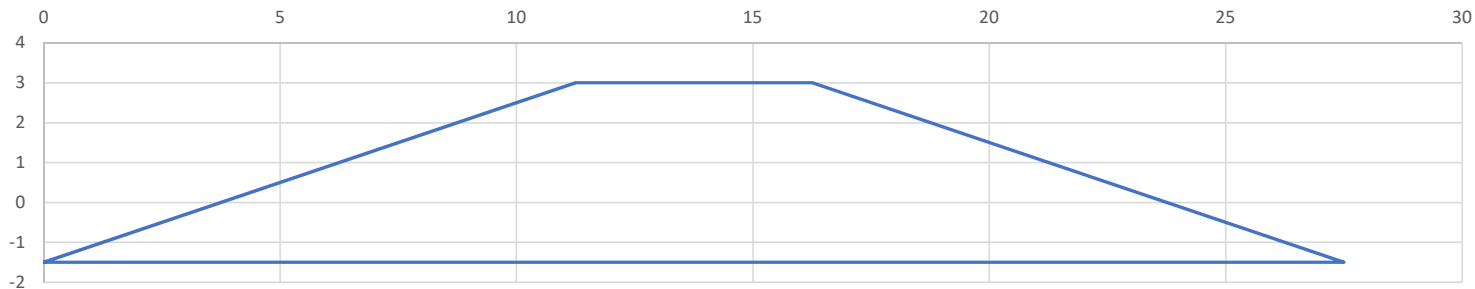
$FS = 1.67$
 Pass

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-9 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	95	0	150
2	2	4	-3.5	-5.5	100	0	150
3	4	12	-5.5	-13.5	110	0	200
4	12	16	-13.5	-17.5	120	30	0
5	16	28	-17.5	-29.5	120	0	500
6	28	30	-29.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 7$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1050.00$ psf

$D_f = 0$ ft
 $\gamma' = 32.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 1.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 372.27$ lb/ft per foot of embankment

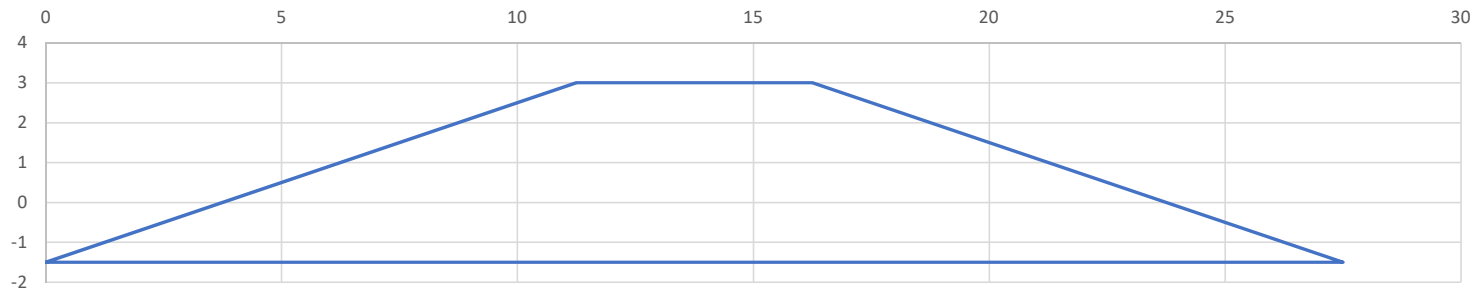
$FS = 2.82$
 Pass

Embankment Dimensions:

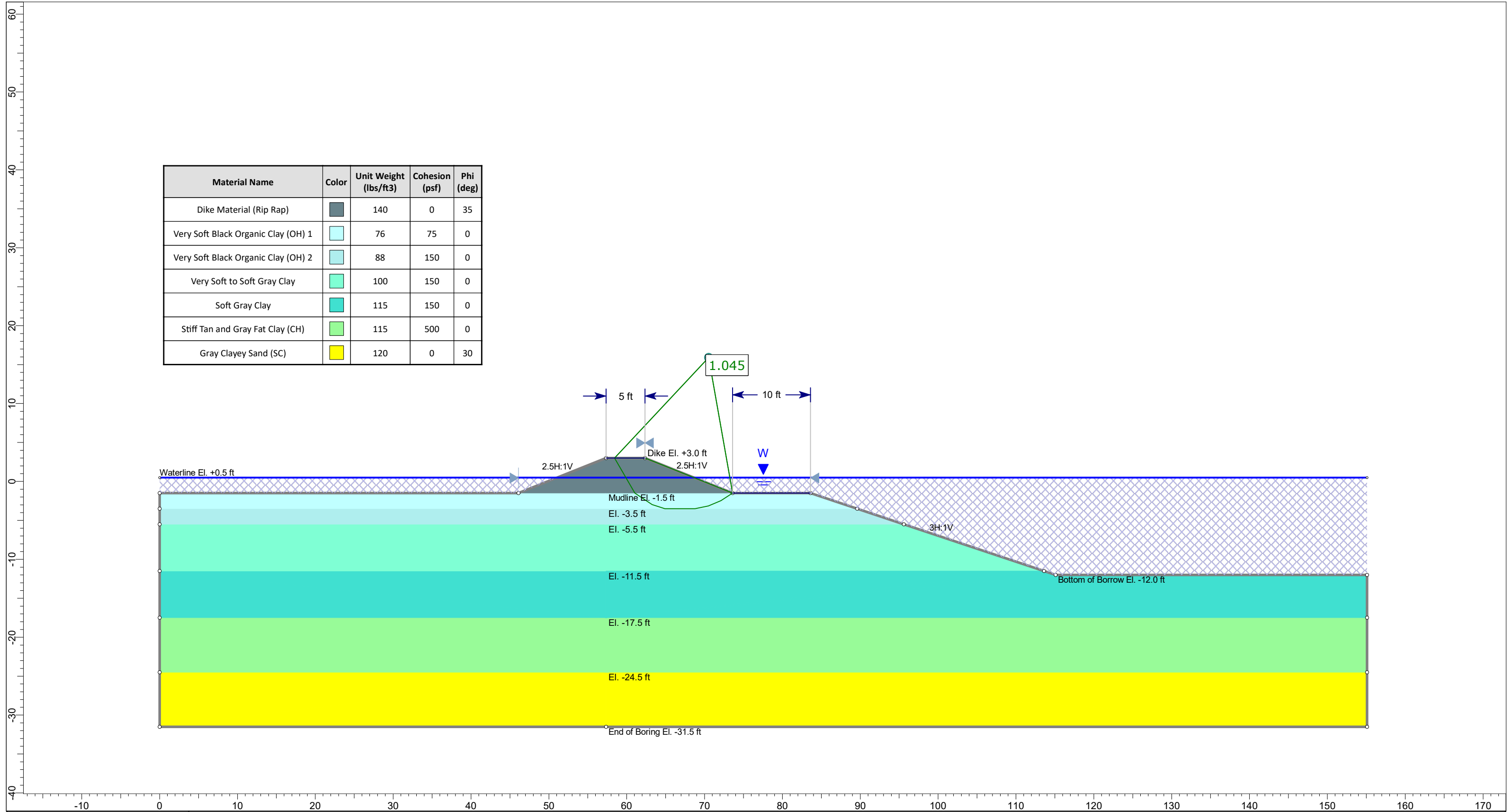
Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)		140	0	35
Very Soft Black Organic Clay (OH) 1		76	75	0
Very Soft Black Organic Clay (OH) 2		88	150	0
Very Soft to Soft Gray Clay		100	150	0
Soft Gray Clay		115	150	0
Stiff Tan and Gray Fat Clay (CH)		115	500	0
Gray Clayey Sand (SC)		120	0	30

				Project New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis Containment Dike Stability (Rip Rap)				Description Without Geogrid - Dike Only			
Scale: 1:140		Project Number 4585-17-006		Company S&ME		Figure	
Location B-10/C-10 (Cell 2)		File Name _B-10 and C-10 with Rip Rap.slmd		Date 4/25/2018		DRAFT	

Project: PO-169
 Project #: 4585-17-006
 Location: B-10/C-10 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	76	0	75
2	2	4	-3.5	-5.5	88	0	150
3	4	10	-5.5	-11.5	100	0	150
4	10	16	-11.5	-17.5	115	0	150
5	16	23	-17.5	-24.5	115	0	500
6	23	30	-24.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 13.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.073$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 630.00$ lb/ft per foot of embankment

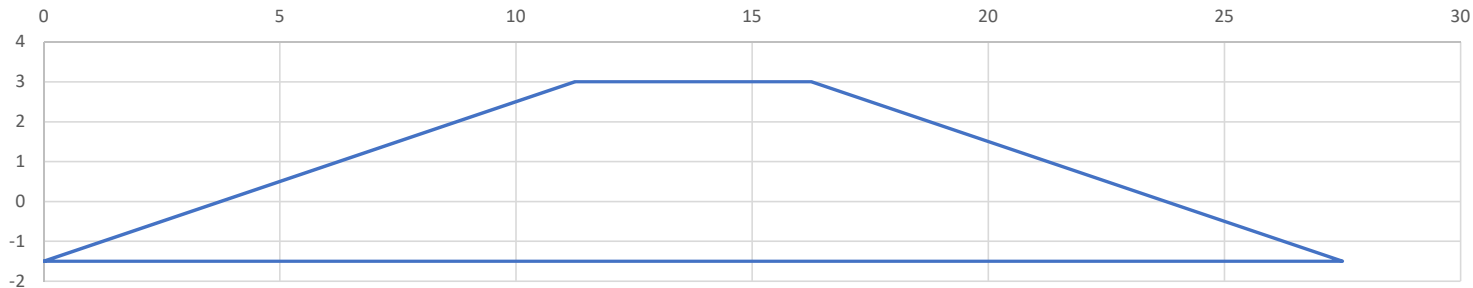
$FS = 1.19$
 Fail

Embankment Dimensions:

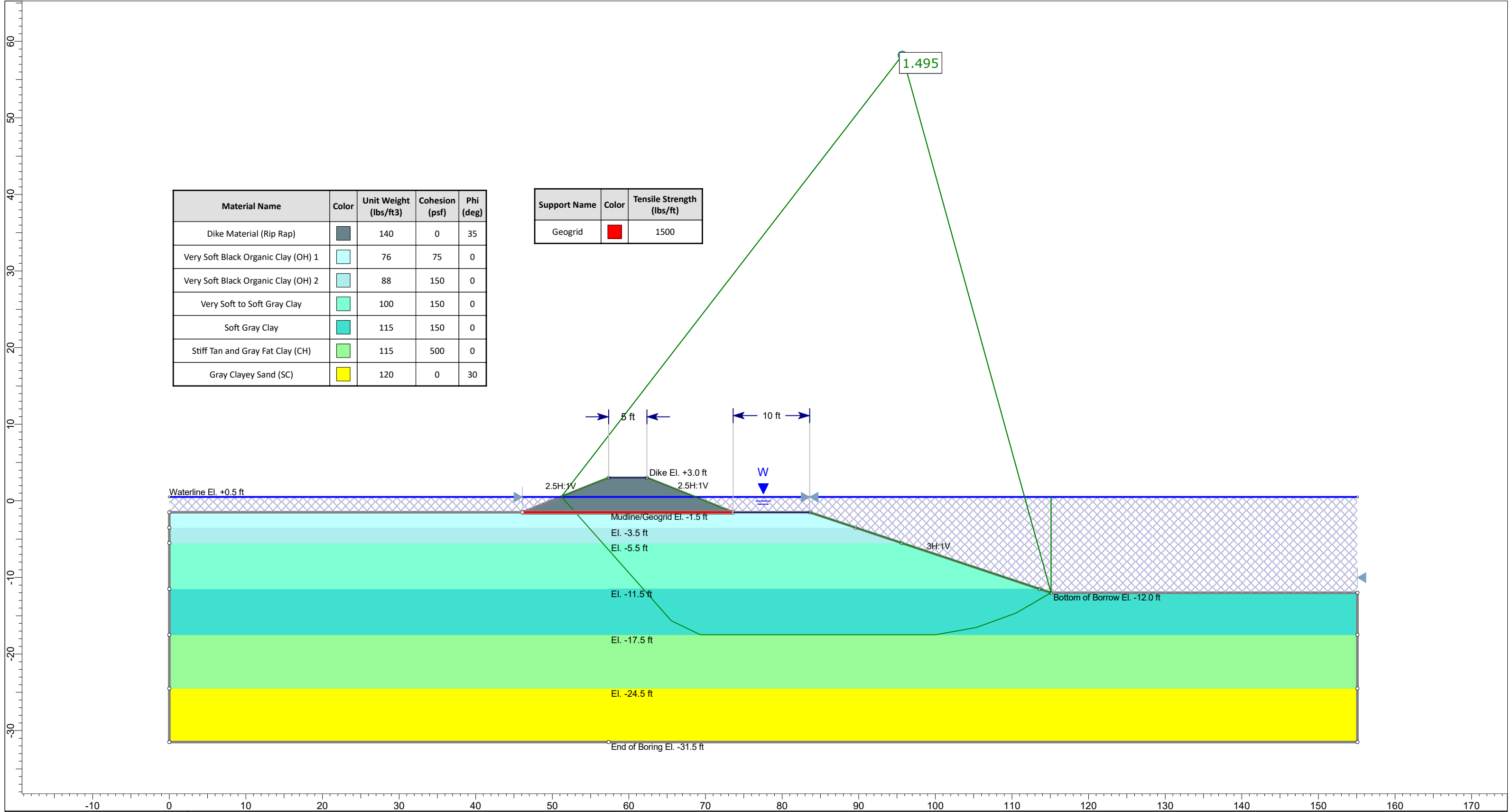
Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb




DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)		140	0	35
Very Soft Black Organic Clay (OH) 1		76	75	0
Very Soft Black Organic Clay (OH) 2		88	150	0
Very Soft to Soft Gray Clay		100	150	0
Soft Gray Clay		115	150	0
Stiff Tan and Gray Fat Clay (CH)		115	500	0
Gray Clayey Sand (SC)		120	0	30

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization									
	Analysis				Containment Dike Stability (Rip Rap)		Description		With Geogrid at Mudline - Dike and Borrow					
	Scale:		1:143		Project Number		4585-17-006		Company		S&ME		Figure	
	Location		B-10/C-10 (Cell 2)		File Name		_B-10 and C-10 with Rip Rap.slmd		Date		4/25/2018		DRAFT	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-10/C-10 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	76	0	75
2	2	4	-3.5	-5.5	88	0	150
3	4	10	-5.5	-11.5	100	0	150
4	10	16	-11.5	-17.5	115	0	150
5	16	23	-17.5	-24.5	115	0	500
6	23	30	-24.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 13.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.073$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 372.27$ lb/ft per foot of embankment

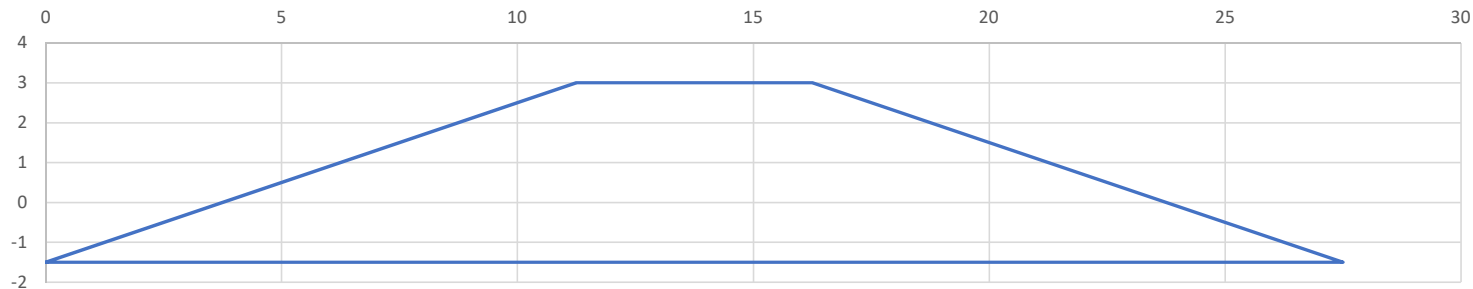
$FS = 2.01$
 Pass

Embankment Dimensions:

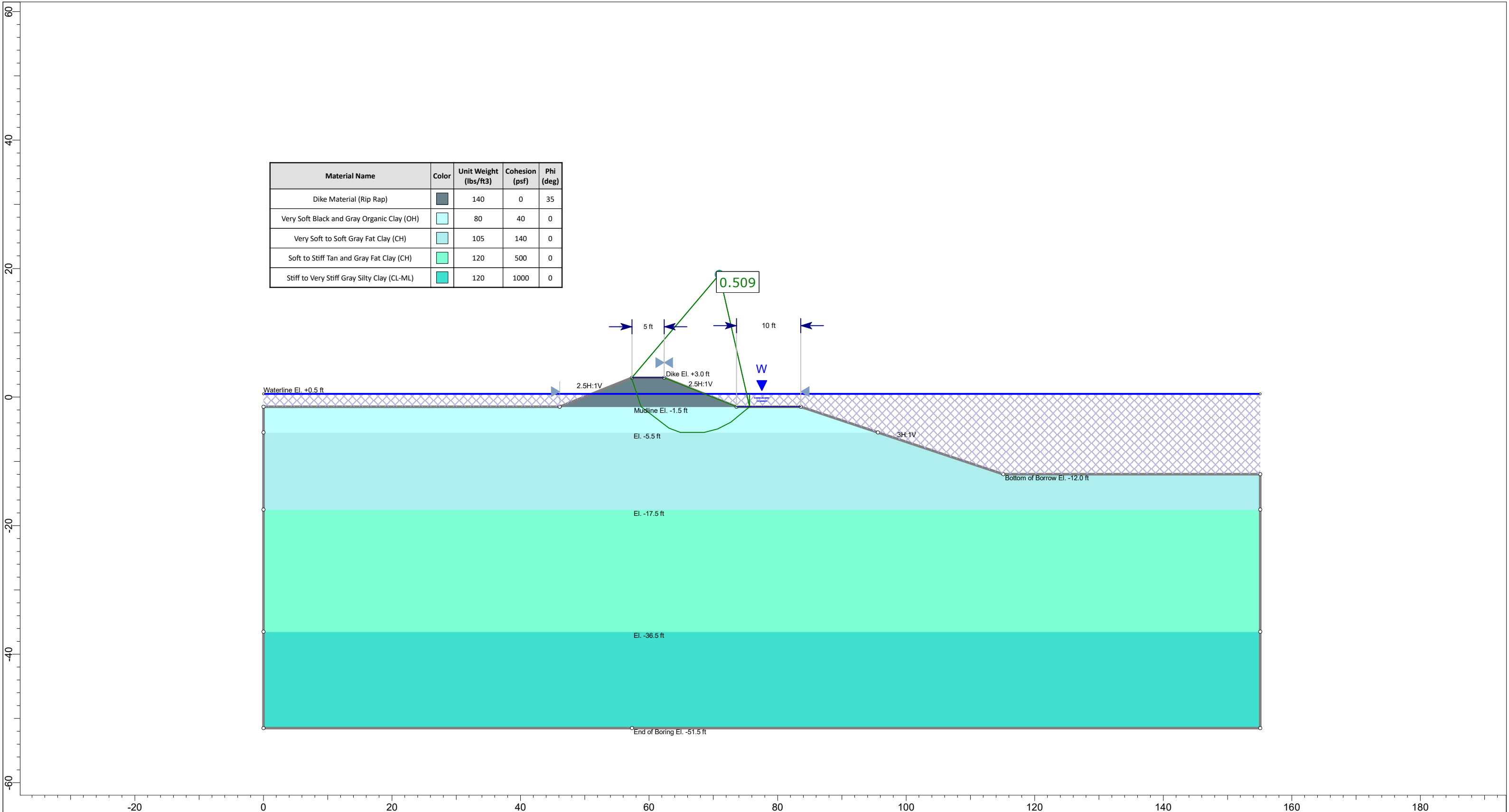
Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)	<div></div>	140	0	35
Very Soft Black and Gray Organic Clay (OH)	<div></div>	80	40	0
Very Soft to Soft Gray Fat Clay (CH)	<div></div>	105	140	0
Soft to Stiff Tan and Gray Fat Clay (CH)	<div></div>	120	500	0
Stiff to Very Stiff Gray Silty Clay (CL-ML)	<div></div>	120	1000	0

<div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div>SLIDEINTERPRET 7.031</div>	Project	New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis	Containment Dike Stability (Rip Rap)			Description Without Geogrid - Dike Only
	Scale:	1:170	Project Number	4585-17-006	Company S&ME
	Location	B-11/C-13 (Cell 2)	File Name	_B-11 and C-13 with Rip Rap.slmd	Date 4/25/2018

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-11/C-13 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	16	-5.5	-17.5	105	0	140
3	16	35	-17.5	-36.5	120	0	500
4	35	50	-36.5	-51.5	120	0	1000
5	50		-51.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 400.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 3.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 630.00$ lb/ft per foot of embankment

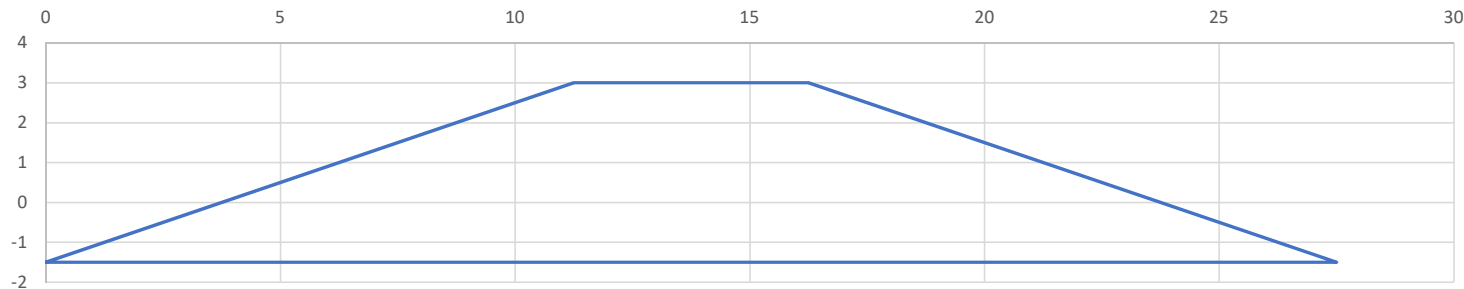
$FS = 0.63$
 Fail

Embankment Dimensions:

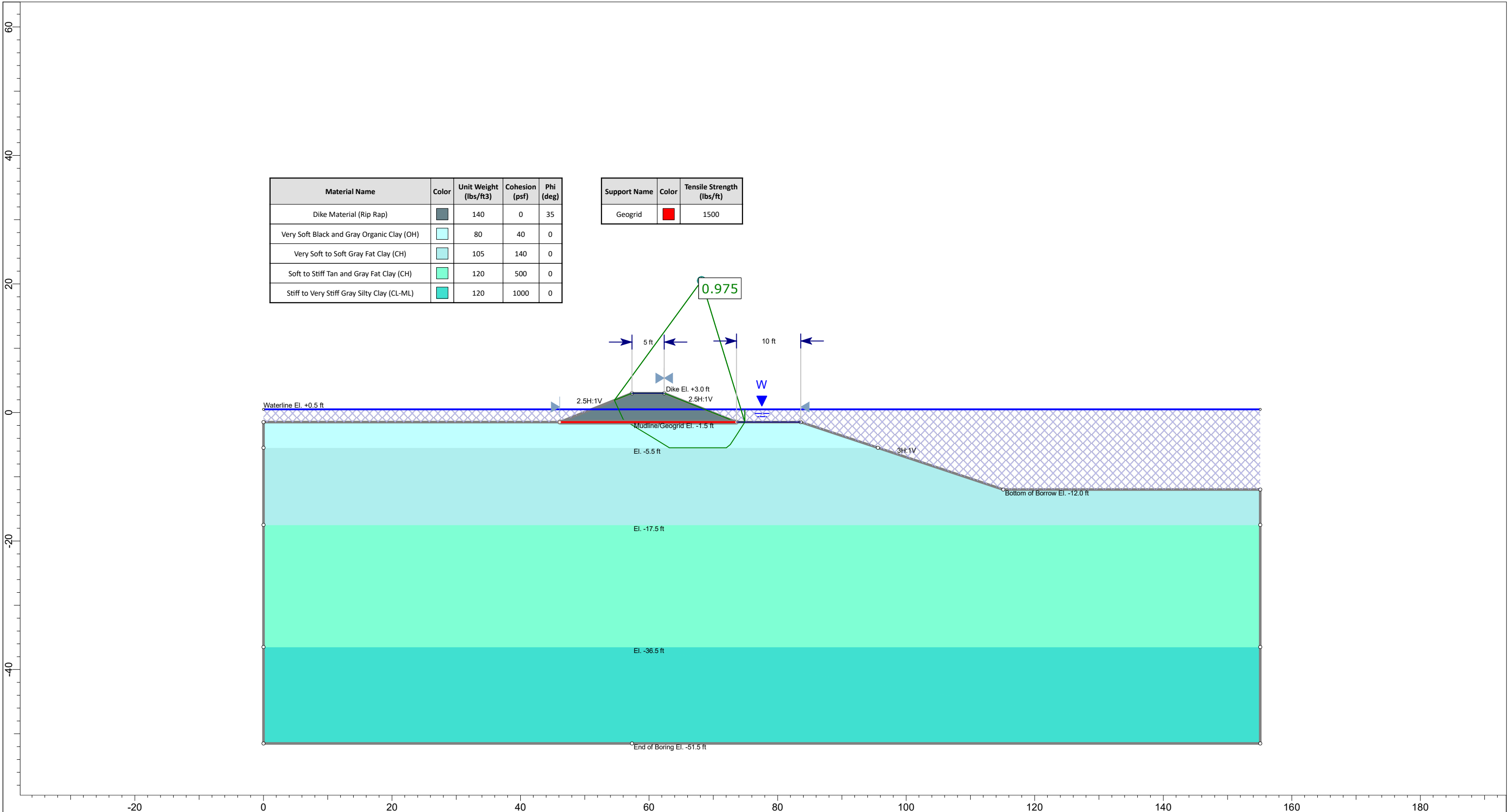
Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft ³)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)		140	0	35
Very Soft Black and Gray Organic Clay (OH)		80	40	0
Very Soft to Soft Gray Fat Clay (CH)		105	140	0
Soft to Stiff Tan and Gray Fat Clay (CH)		120	500	0
Stiff to Very Stiff Gray Silty Clay (CL-ML)		120	1000	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis		Containment Dike Stability (Rip Rap)		Description		With Geogrid at Mudline - Dike Only	
	Scale:		Project Number		Company		Figure	
	1:170		4585-17-006		S&ME		DRAFT	
	Location		File Name		Date			
	B-11/C-13 (Cell 2)		_B-11 and C-13 with Rip Rap.slmd		4/25/2018			

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-11/C-13 (Cell 2)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	16	-5.5	-17.5	105	0	140
3	16	35	-17.5	-36.5	120	0	500
4	35	50	-36.5	-51.5	120	0	1000
5	50		-51.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 400.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.145$ (-)
 $C2/C1 = 3.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 372.27$ lb/ft per foot of embankment

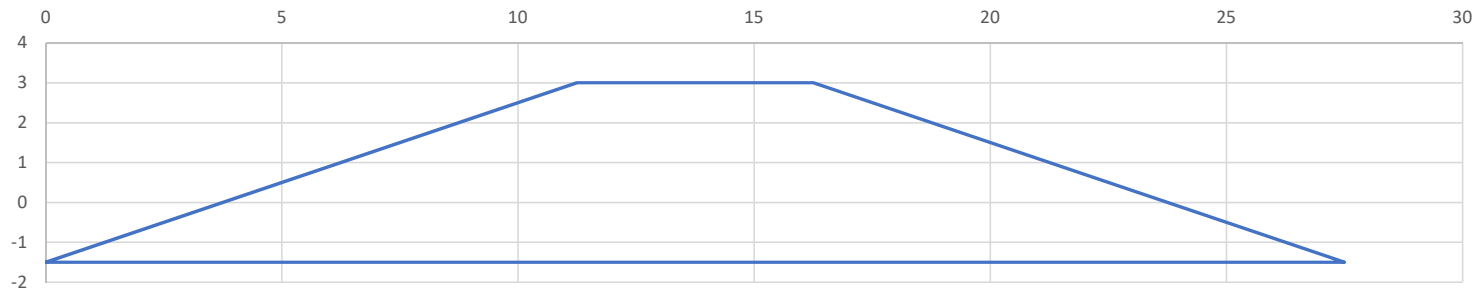
$FS = 1.07$
 Fail

Embankment Dimensions:

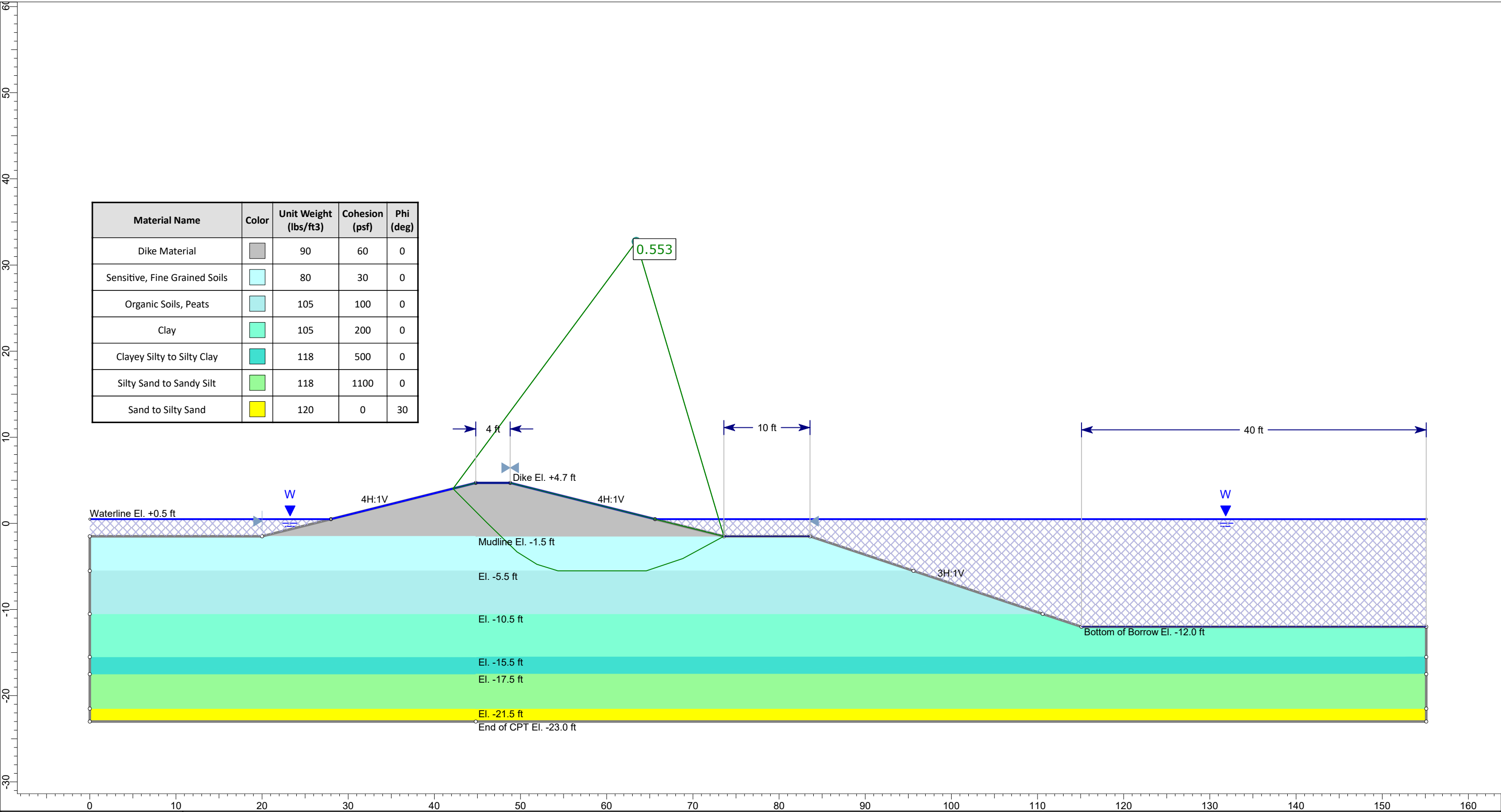
Crest Width: 5 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 2.5 :1
 Base Width: 27.5 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 10,238 lb



DRAFT



		Project		New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis		Earthen Containment Dike Stability		Description	
Scale:		1:127		Without Geogrid - Dike Only	
Location		C-7 (Cell 2)		Company	
				S&ME	
				Date	
				4/26/2018	
				Figure	
				DRAFT	

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

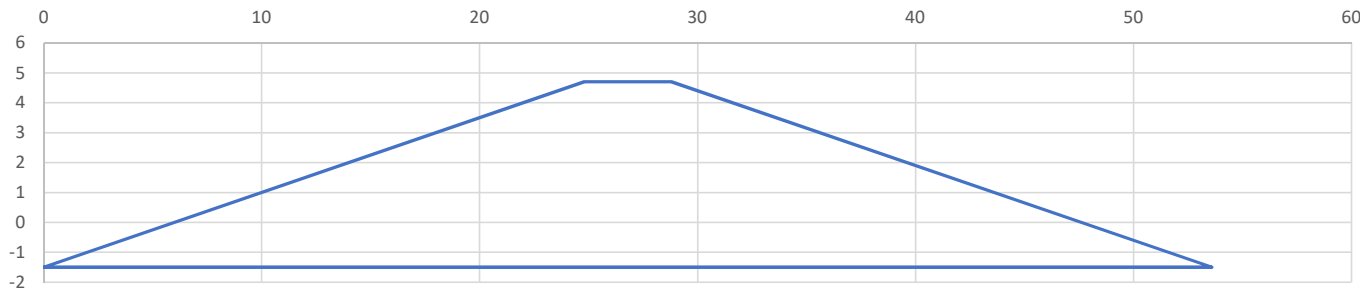
$FS = 0.54$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

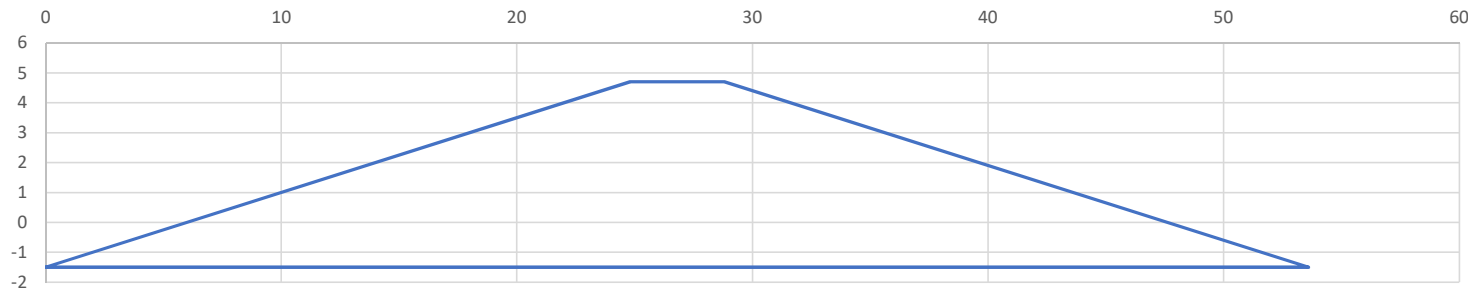
$FS = 1.00$
 Fail

Embankment Dimensions:

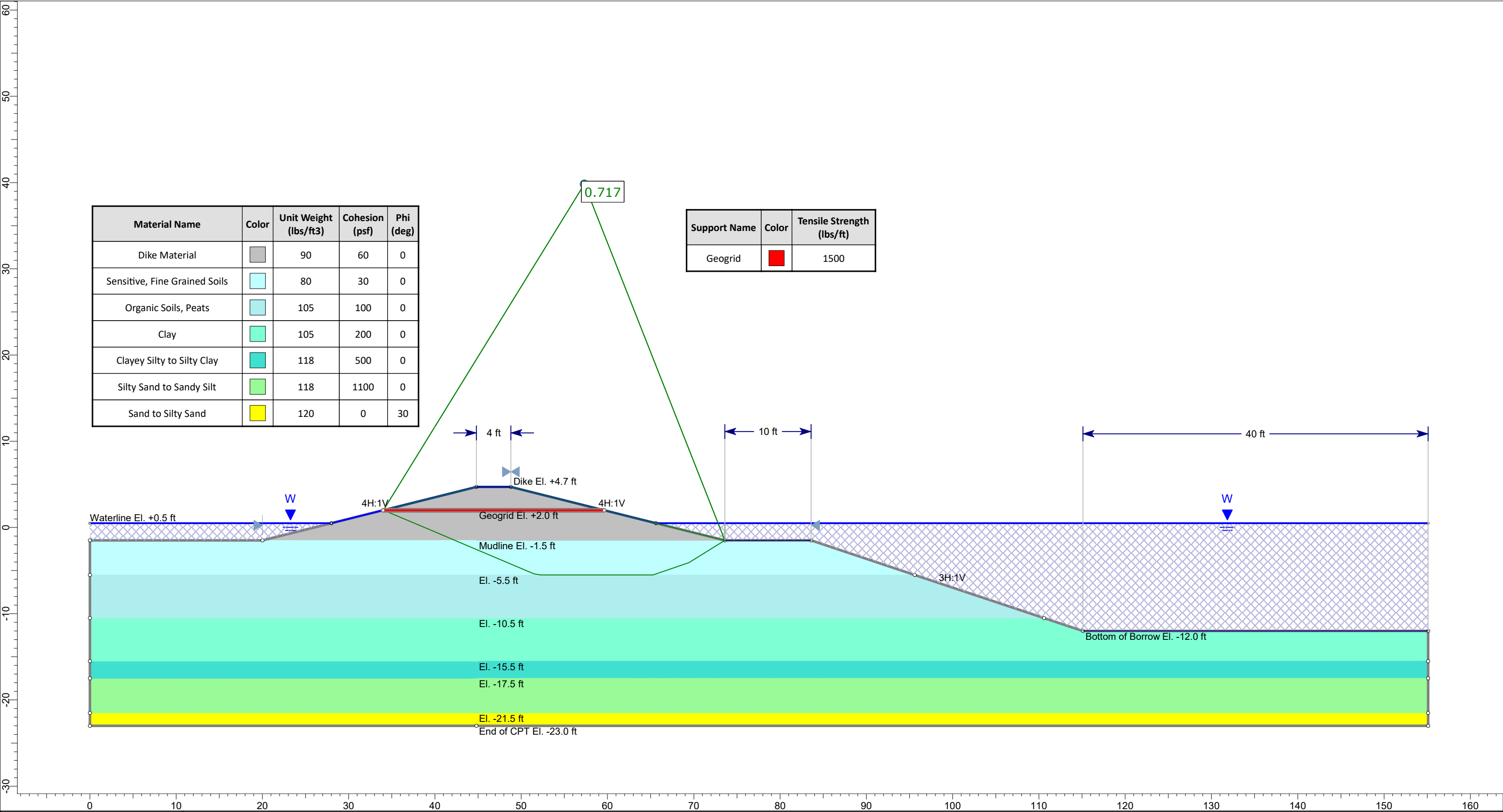
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT



		Project		New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis		Earthen Containment Dike Stability		Description	
Scale:		1:127		With Geogrid at Elevation +2.0 ft - Dike Only	
Location		C-7 (Cell 2)		Company	
				S&ME	
				Date	
				4/26/2018	
				Figure	
				DRAFT	

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.083$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 495.00$ lb/ft per foot of embankment

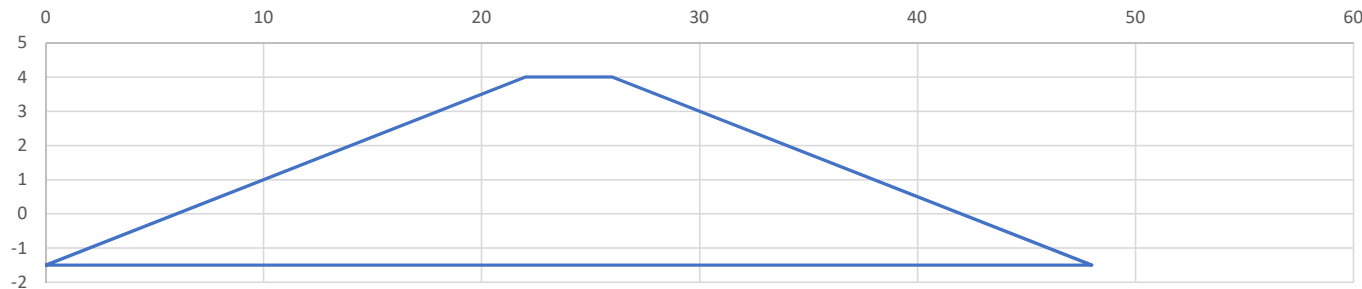
$FS = 0.61$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 12,870 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.083$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 268.13$ lb/ft per foot of embankment

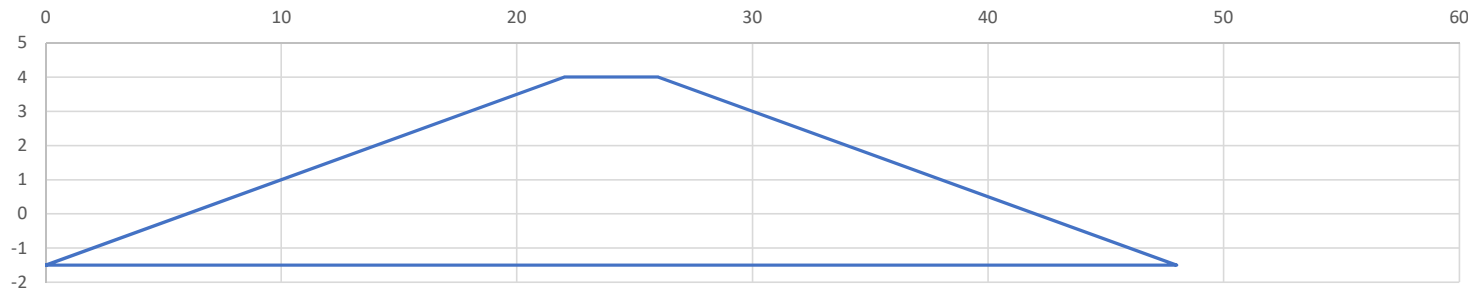
$FS = 1.12$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 12,870 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.091$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 245.45$ lb/ft per foot of embankment

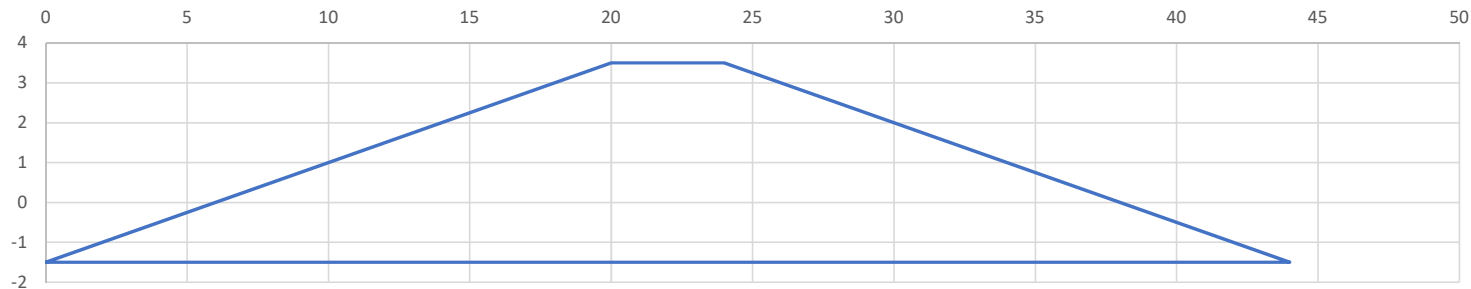
$FS = 1.22$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 4 :1
 Base Width: 44 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 10,800 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY

(with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.100$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 222.75$ lb/ft per foot of embankment

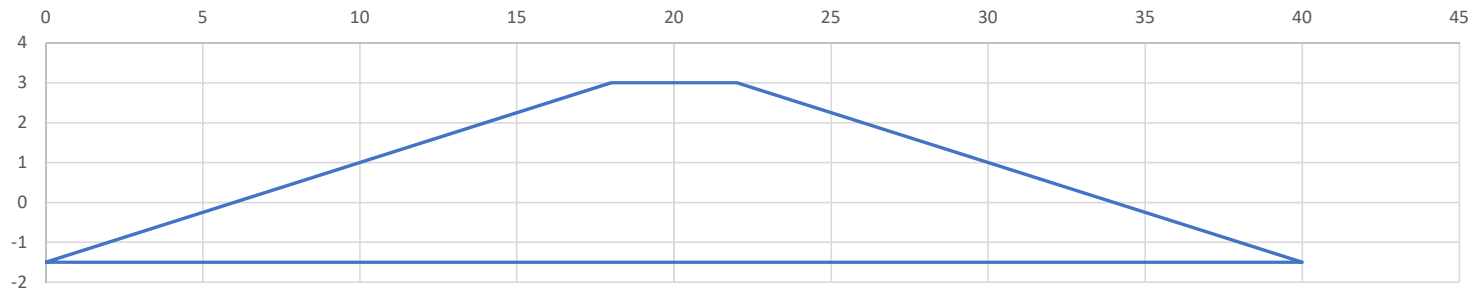
$FS = 1.35$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 3 ft
 Height: 4.5 ft
 Side Slope: 4 :1
 Base Width: 40 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 8,910 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.111$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 200.00$ lb/ft per foot of embankment

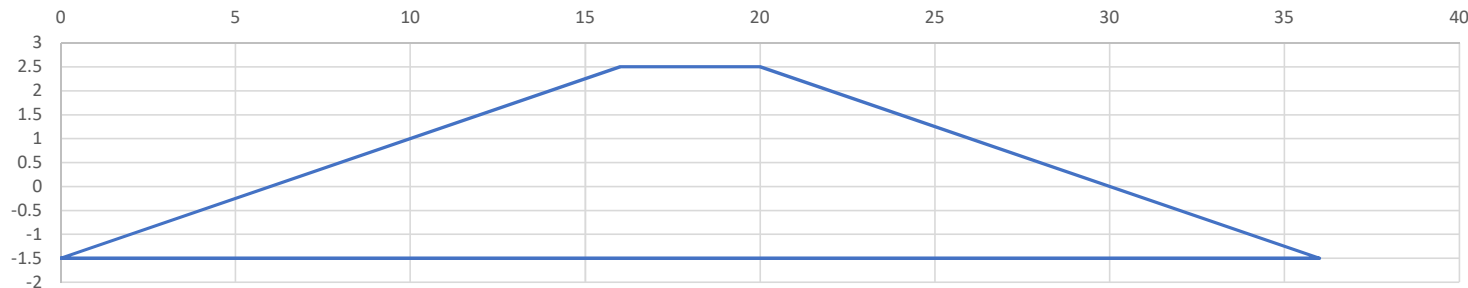
$FS = 1.50$
 Pass

Embankment Dimensions:












Crest Width: 4 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 4 :1
 Base Width: 36 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 7,200 lb



DRAFT

Material Name	Color	Unit Weight (lbs/ft ³)	Cohesion (psf)	Phi (deg)										
Dike Material		90	60	0										
Sensitive, Fine Grained Soils		80	30	0										
Organic Soils, Peats		105	100	0										
Clay		105	200	0										
Clayey Silty to Silty Clay		118	500	0 </tr <tr> <td>Silty Sand to Sandy Silt</td> <td></td> <td>118</td> <td>1100</td> <td>0</td> </tr> <tr> <td>Sand to Silty Sand</td> <td></td> <td>120</td> <td>0</td> <td>30</td> </tr>	Silty Sand to Sandy Silt		118	1100	0	Sand to Silty Sand		120	0	30
Silty Sand to Sandy Silt		118	1100	0										
Sand to Silty Sand		120	0	30										

Waterline El. +0.5 ft

W

4H:1V

Dike El. +2.0 ft

4H:1V

Mudline El. -1.5 ft

El. -5.5 ft

El. -10.5 ft

El. -15.5 ft

El. -17.5 ft

El. -21.5 ft

End of CPT El. -23.0 ft

1.069

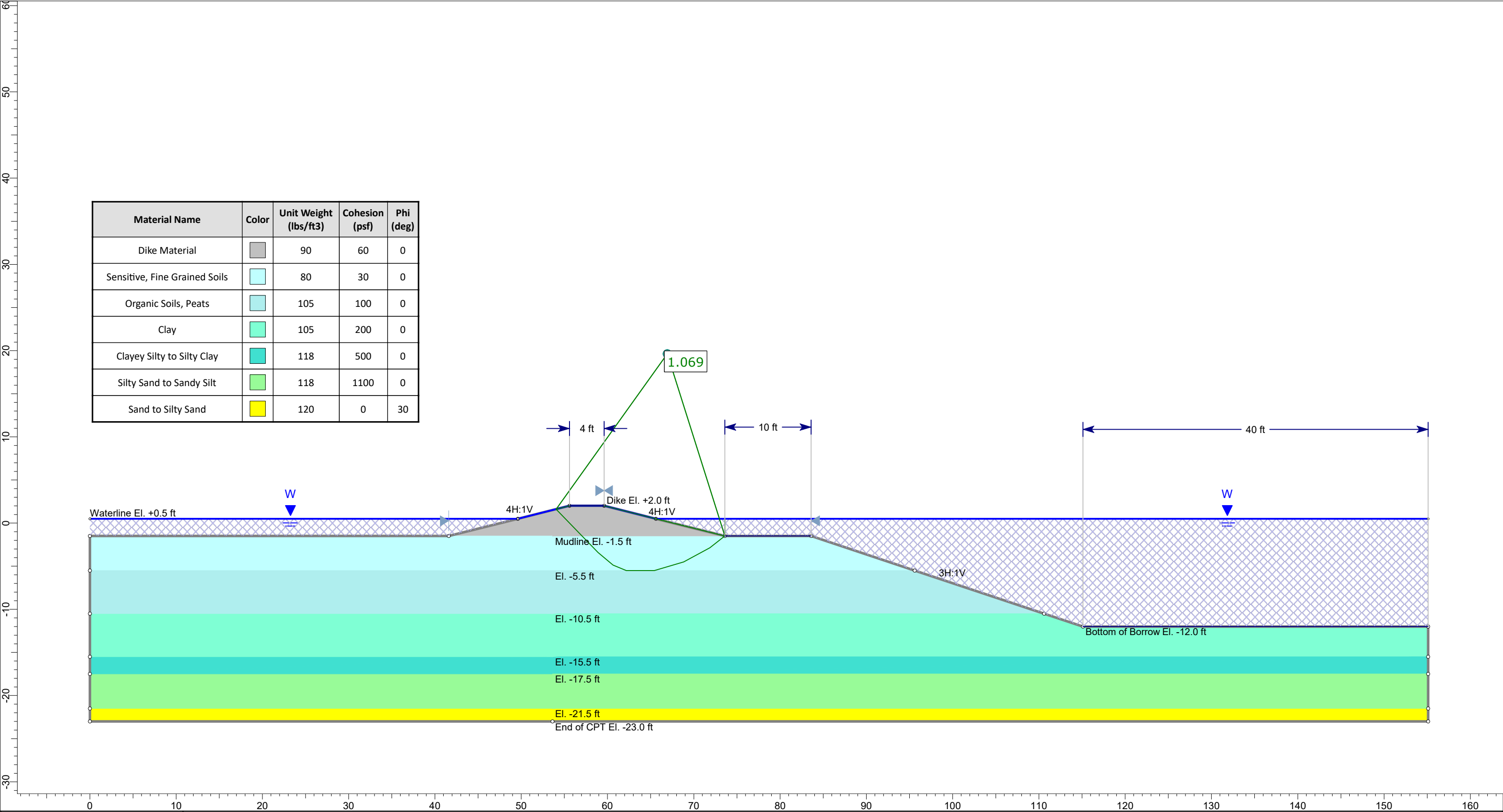
10 ft

3H:1V

Bottom of Borrow El. -12.0 ft

40 ft

W



Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.125$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 315.00$ lb/ft per foot of embankment

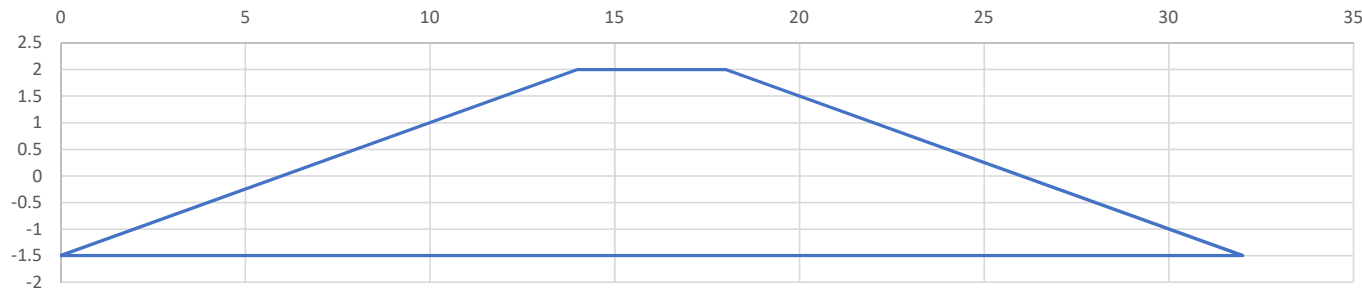
$FS = 0.95$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 2 ft
 Height: 3.5 ft
 Side Slope: 4 :1
 Base Width: 32 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 5,670 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.125$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 177.19$ lb/ft per foot of embankment

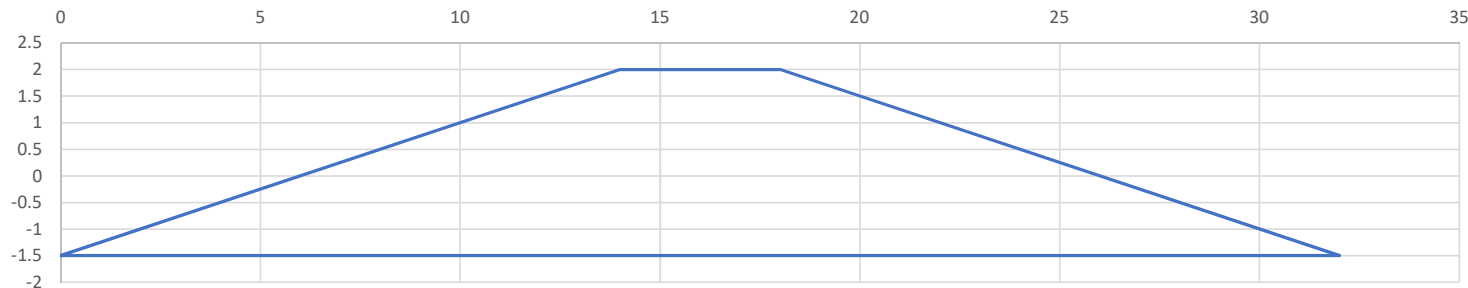
$FS = 1.69$
 Pass

Embankment Dimensions:








Crest Width: 4 ft
 Crest El.: 2 ft
 Height: 3.5 ft
 Side Slope: 4 :1
 Base Width: 32 ft
 *trapezoidal

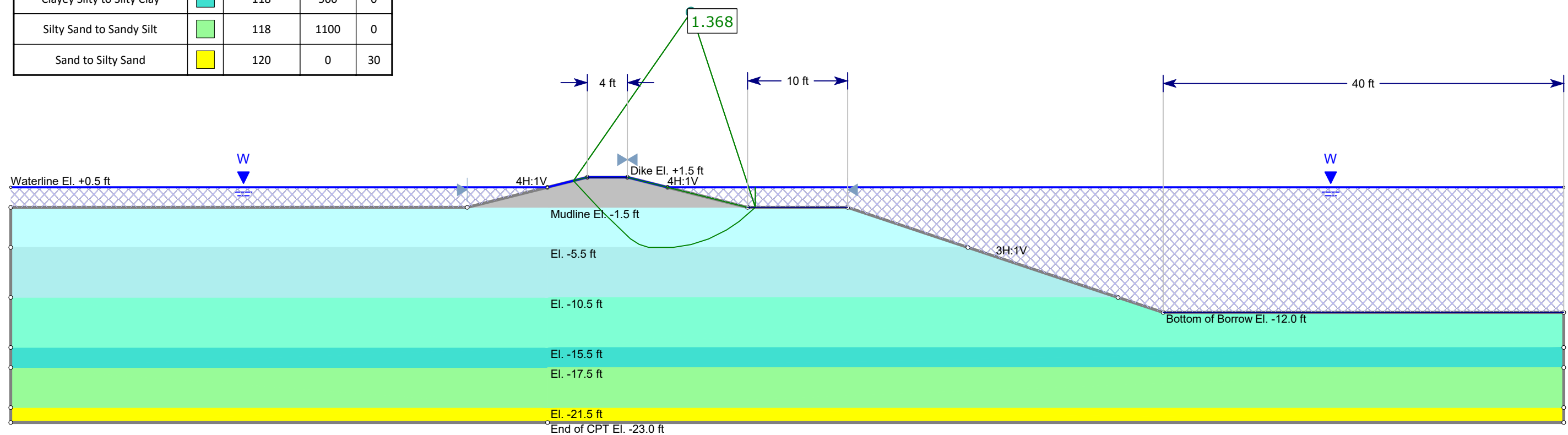
Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 5,670 lb



DRAFT

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Sensitive, Fine Grained Soils		80	30	0
Organic Soils, Peats		105	100	0
Clay		105	200	0
Clayey Silty to Silty Clay		118	500	0
Silty Sand to Sandy Silt		118	1100	0
Sand to Silty Sand		120	0	30



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Earthen Containment Dike Stability		Description		Dike Elevation 1.5', Without Geogrid - Dike Only	
Scale:	1:127	Project Number	4585-17-006	Company	S&ME	Figure	II-11A
Location	C-7 (Cell 2)	File Name	C-7.slmd	Date	5/3/2018		

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.143$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 270.00$ lb/ft per foot of embankment

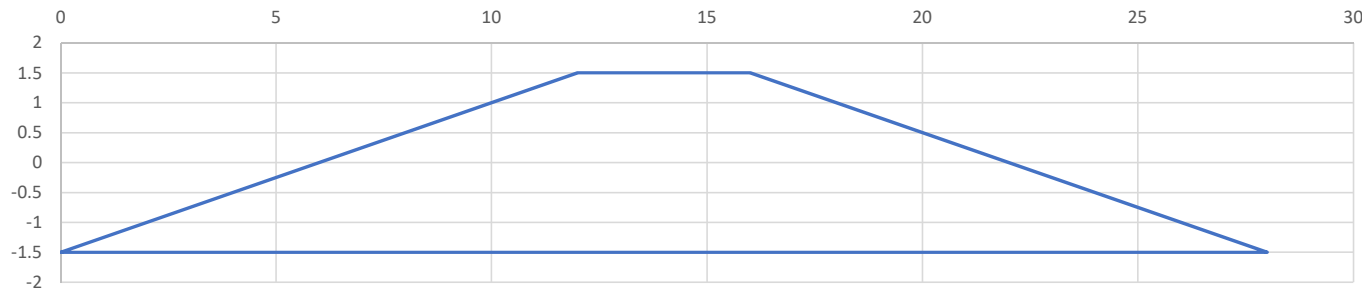
$FS = 1.11$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 4 :1
 Base Width: 28 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 4,320 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-7 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	9	-5.5	-10.5	105	0	100
3	9	14	-10.5	-15.5	105	0	200
4	14	16	-15.5	-17.5	118	0	500
5	16	20	-17.5	-21.5	118	0	1100
6	20	21.5	-21.5	-23	120	30	0
7	21.5		-23	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.143$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 154.29$ lb/ft per foot of embankment

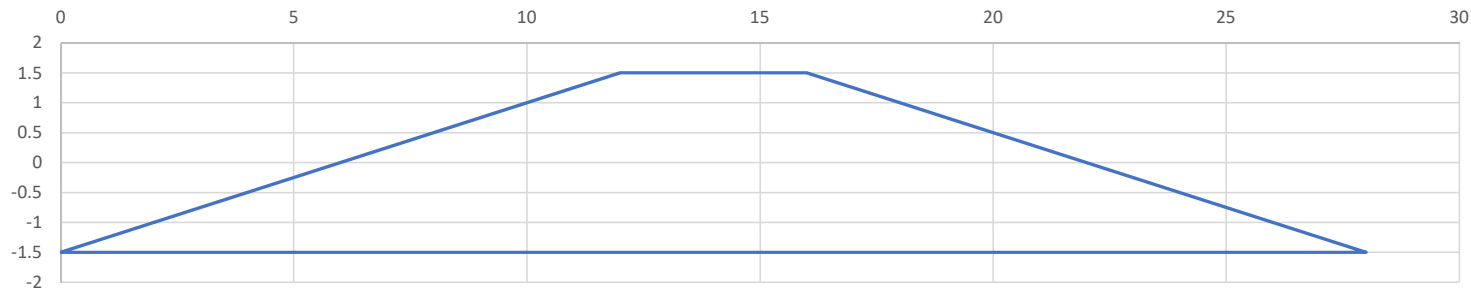
$FS = 1.94$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 4 :1
 Base Width: 28 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 4,320 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-8 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	50
2	2	4	-3.5	-5.5	118	30	0
3	4	6	-5.5	-7.5	115	0	100
4	6	10	-7.5	-11.5	105	0	100
5	10	14	-11.5	-15.5	105	0	150
6	14	17	-15.5	-18.5	105	0	300
7	17	19	-18.5	-20.5	115	0	800
8	19	20.7	-20.5	-22.2	120	30	0
9	20.7		-22.2	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 500.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

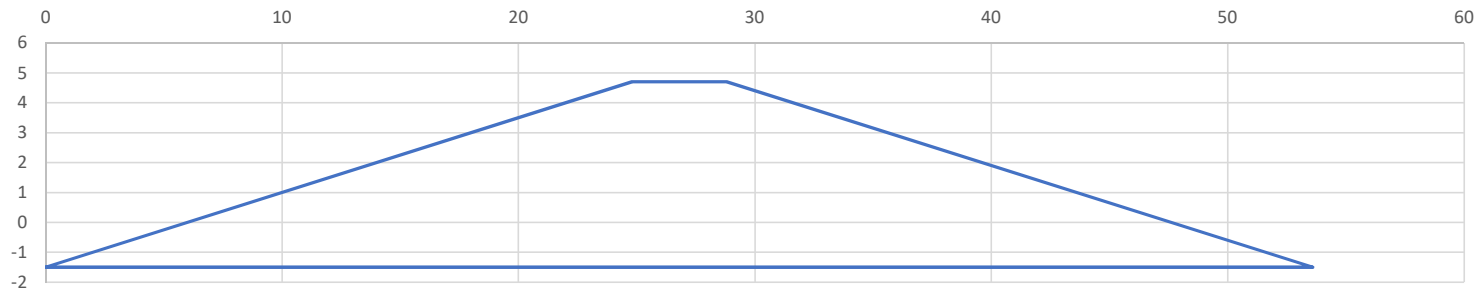
$FS = 0.90$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-8 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY

(with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	50
2	2	4	-3.5	-5.5	118	30	0
3	4	6	-5.5	-7.5	115	0	100
4	6	10	-7.5	-11.5	105	0	100
5	10	14	-11.5	-15.5	105	0	150
6	14	17	-15.5	-18.5	105	0	300
7	17	19	-18.5	-20.5	115	0	800
8	19	20.7	-20.5	-22.2	120	30	0
9	20.7		-22.2	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 500.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

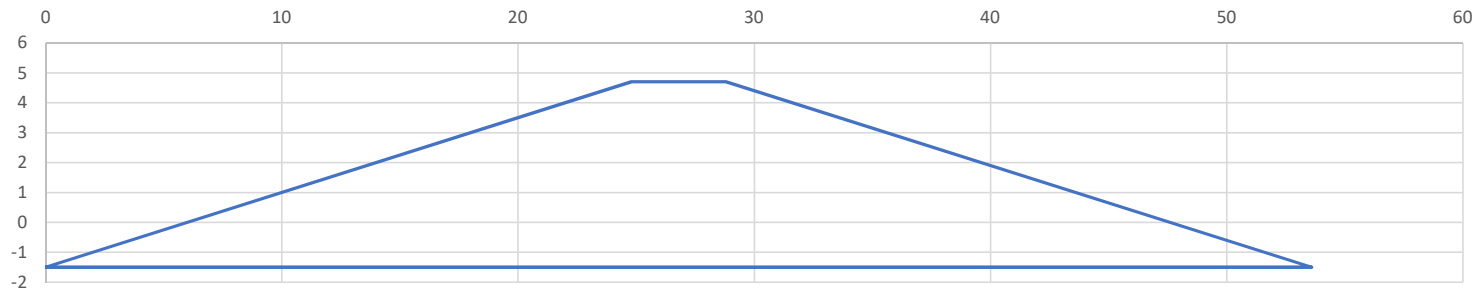
$FS = 1.67$
 Pass

Embankment Dimensions:

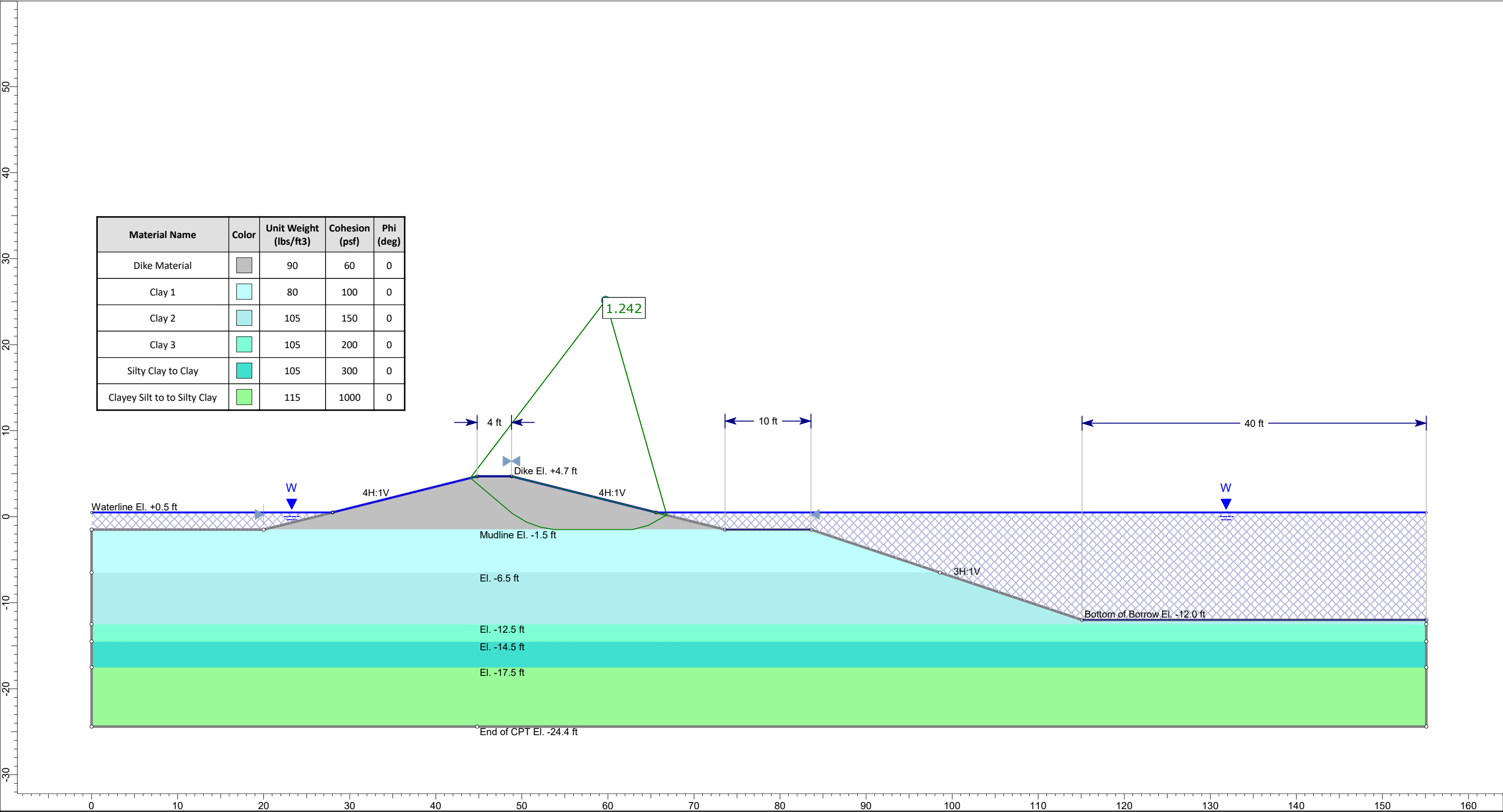
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material	<div></div>	90	60	0
Clay 1	<div></div>	80	100	0
Clay 2	<div></div>	105	150	0
Clay 3	<div></div>	105	200	0
Silty Clay to Clay	<div></div>	105	300	0
Clayey Silt to to Silty Clay	<div></div>	115	1000	0

Project: PO-169
 Project #: 4585-17-006
 Location: C-9 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	5	-1.5	-6.5	80	0	100
2	5	11	-6.5	-12.5	105	0	150
3	11	13	-12.5	-14.5	105	0	200
4	13	16	-14.5	-17.5	105	0	300
5	16	22.9	-17.5	-24.4	115	0	1000
6	22.9		-24.4	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 800.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 5$ ft
 $T/B = 0.093$ (-)
 $C2/C1 = 1.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

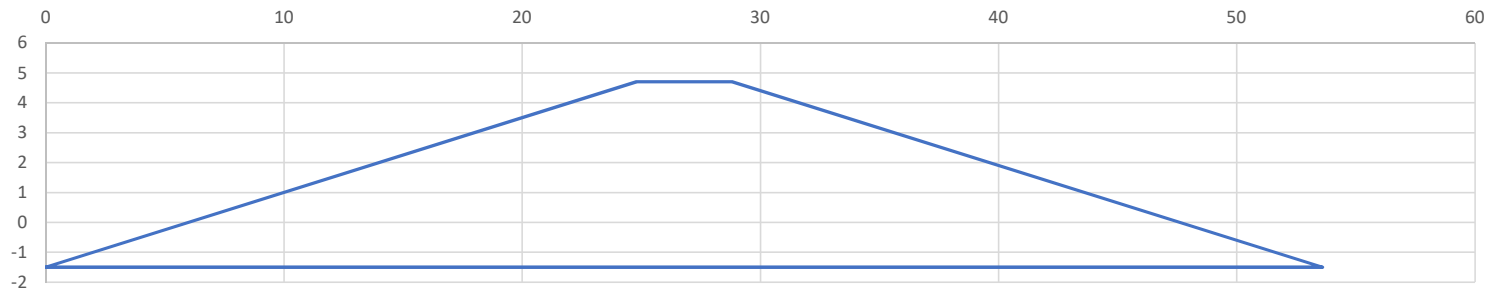
$FS = 1.43$
 Fail

Embankment Dimensions:

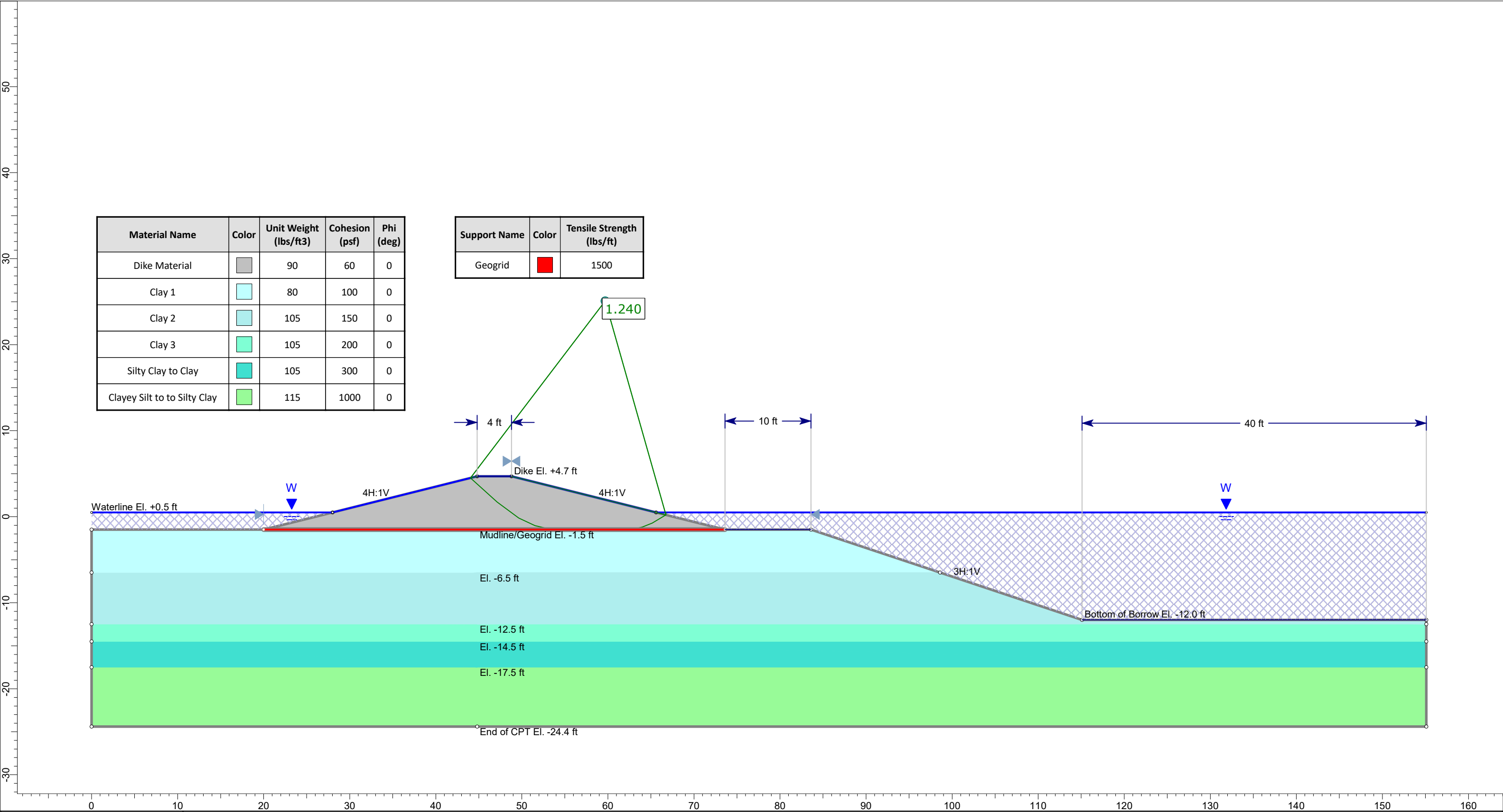
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT



		Project		New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis		Containment Dike Stability		Description	
Scale:		1:127		With Geogrid at Mudline - Dike Only	
Location		C-9		Company	
				S&ME	
				Date	
				4/4/2018	
				Figure	
				DRAFT	

Project: PO-169
 Project #: 4585-17-006
 Location: C-9 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	5	-1.5	-6.5	80	0	100
2	5	11	-6.5	-12.5	105	0	150
3	11	13	-12.5	-14.5	105	0	200
4	13	16	-14.5	-17.5	105	0	300
5	16	22.9	-17.5	-24.4	115	0	1000
6	22.9		-24.4	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 800.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 5$ ft
 $T/B = 0.093$ (-)
 $C2/C1 = 1.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

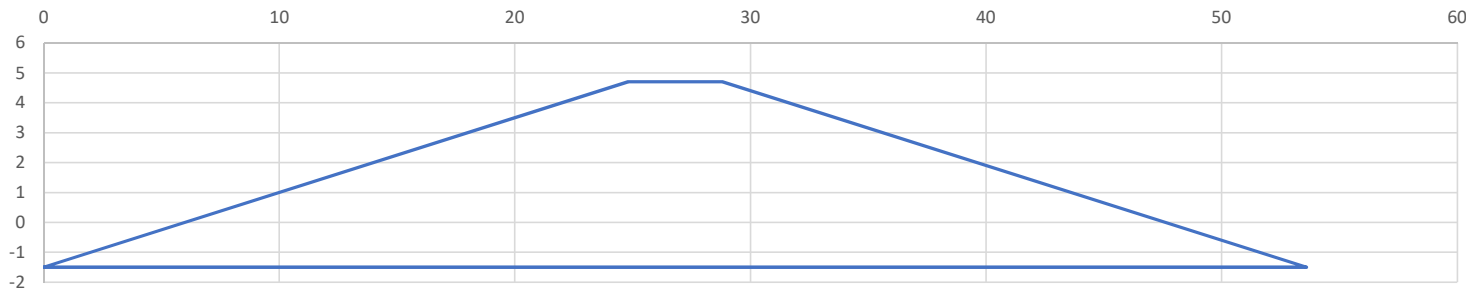
$FS = 2.67$
 Pass

Embankment Dimensions:

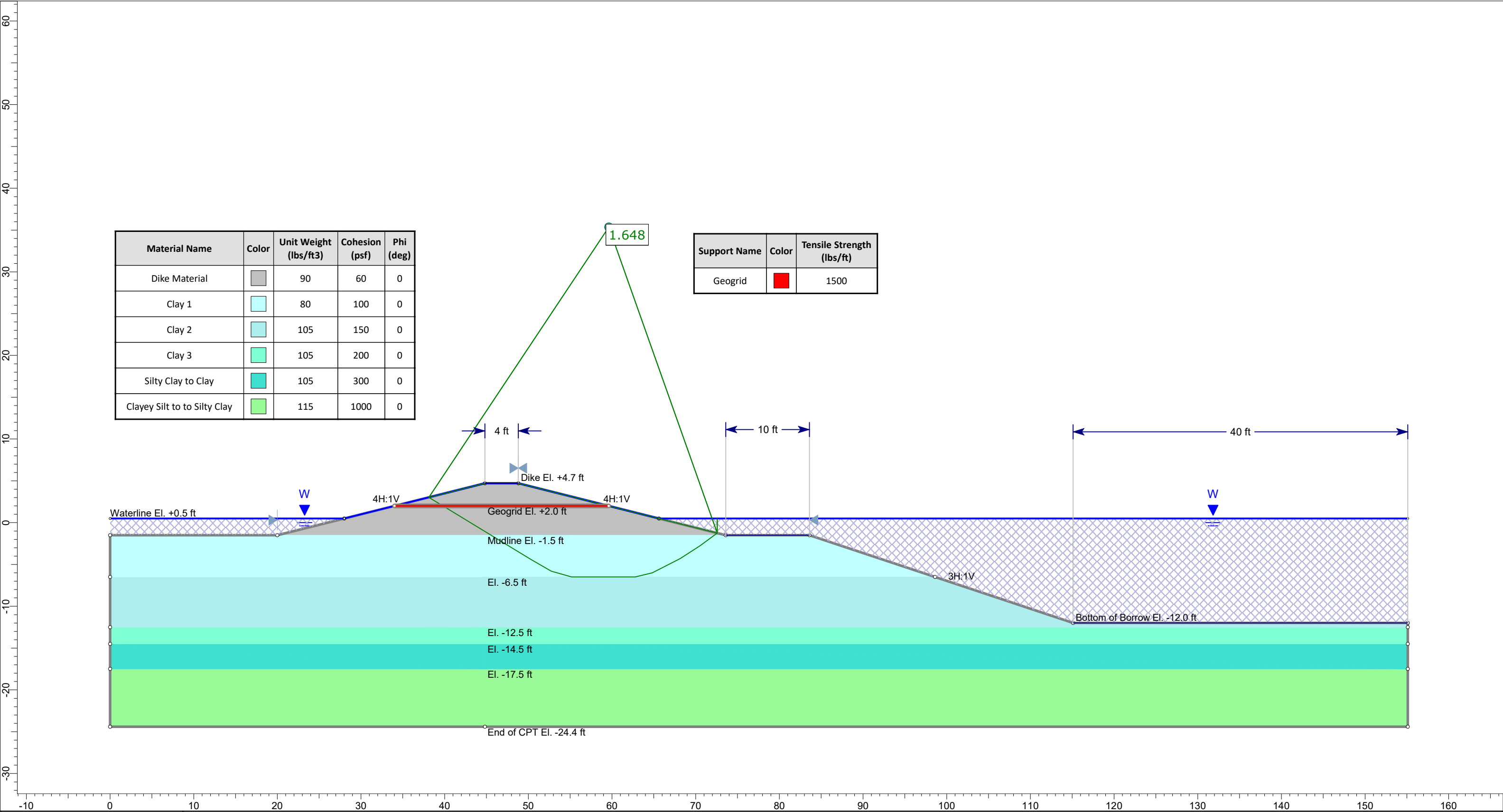
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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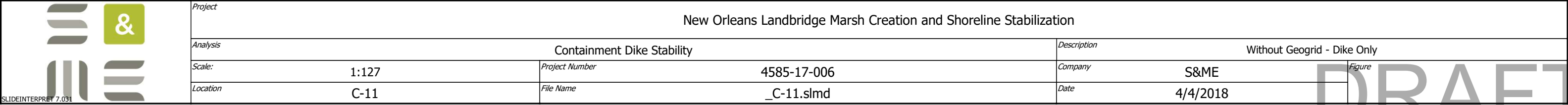


<div></div>		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Containment Dike Stability		DescriptionWith Geogrid at Elevation +2.0 ft - Dike Only	
Scale:1:131		Project Number4585-17-006		CompanyS&ME	
LocationC-9		File Name_C-9.slmd		Date4/4/2018	

DRAFT

Material Name	Color	Unit Weight (lbs/ft ³)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Sensitive, Fine Grained Soils		80	50	0
Clay		105	150	0
Clayey Silt to Silty Clay		115	800	0
Silty Sand to Sandy Silt		118	0	30

The diagram illustrates a cross-section of a dike and its foundation. The dike has a crest width of 4 ft at an elevation of +4.7 ft. The upstream slope is 4H:1V, and the downstream slope is also 4H:1V. A failure surface is shown as a green curve passing through the dike and the underlying soils. The factor of safety is indicated as 0.795. The water level on the left is at El. +0.5 ft, and the water level on the right is at El. -12.0 ft. The foundation consists of several soil layers: Sensitive, Fine Grained Soils (El. -1.5 ft to -5.5 ft), Clay (El. -5.5 ft to -13.5 ft), Clayey Silt to Silty Clay (El. -13.5 ft to -17.5 ft), and Silty Sand to Sandy Silt (El. -17.5 ft to -20.5 ft). The bottom of the borrow pit is at El. -12.0 ft. The end of the CPT is at El. -20.5 ft. The diagram includes dimensions for the dike crest (4 ft), the distance from the crest to the failure surface (10 ft), and the total length of the section (40 ft).



Project: PO-169
 Project #: 4585-17-006
 Location: C-11 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	50
2	4	12	-5.5	-13.5	105	0	150
3	12	16	-13.5	-17.5	115	0	800
4	16	19	-17.5	-20.5	118	30	0
5	19		-20.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 500.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

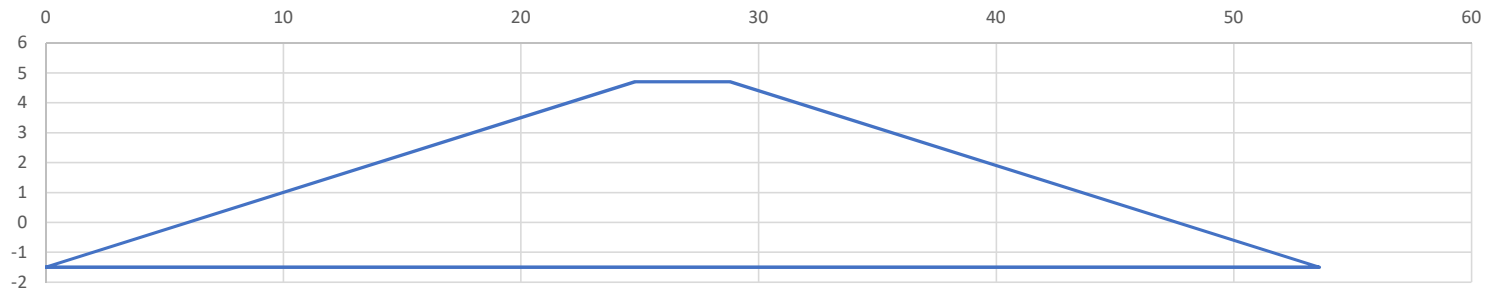
$FS = 0.90$
 Fail

Embankment Dimensions:

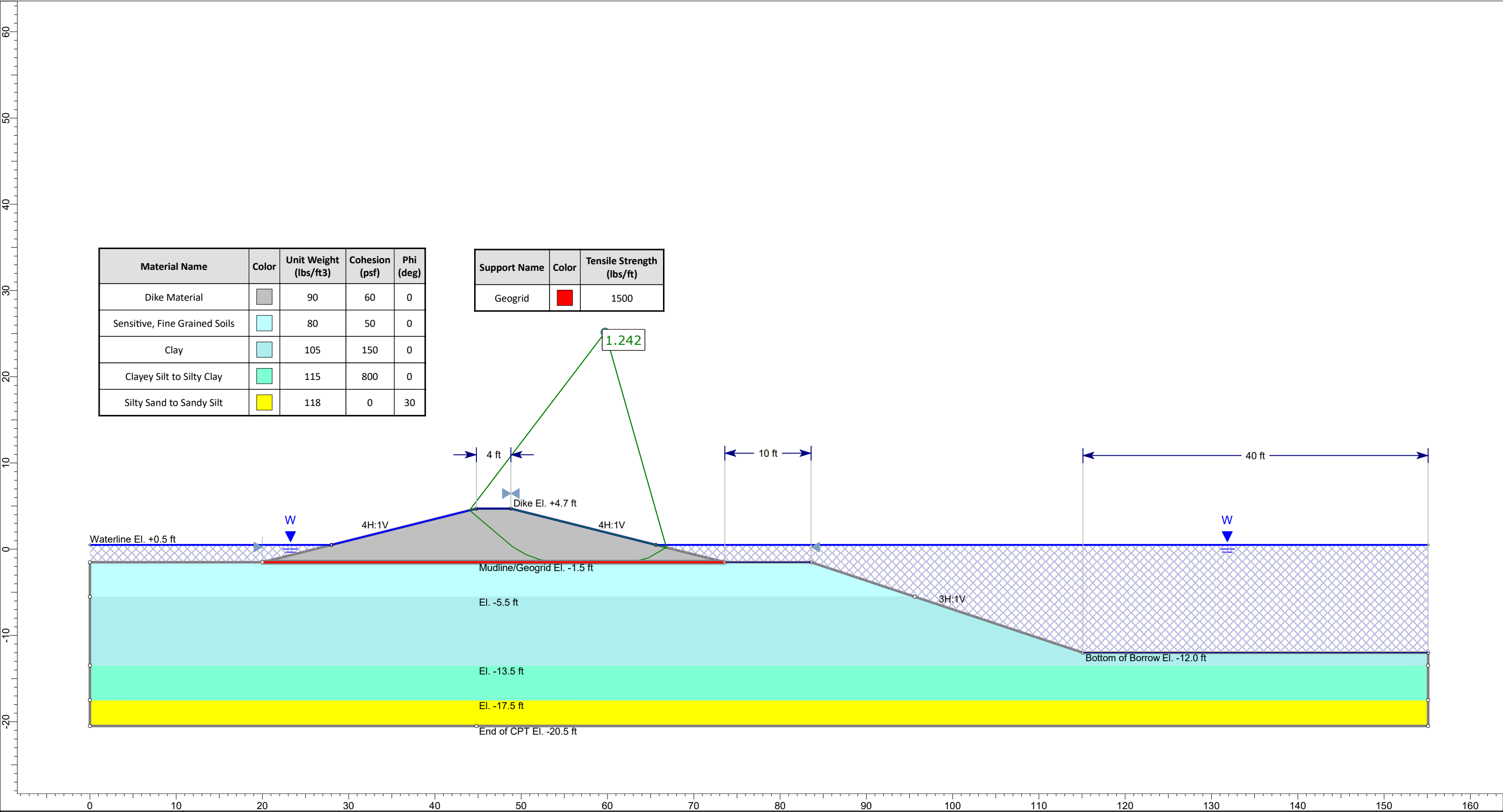
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material	<div></div>	90	60	0
Sensitive, Fine Grained Soils	<div></div>	80	50	0
Clay	<div></div>	105	150	0
Clayey Silt to Silty Clay	<div></div>	115	800	0
Silty Sand to Sandy Silt	<div></div>	118	0	30

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid	<div></div>	1500

SLIDEINTERPRET 7.031

Project		New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Containment Dike Stability		Description With Geogrid at Mudline - Dike Only	
Scale:	1:127	Project Number	4585-17-006	Company	S&ME
Location	C-11	File Name	_C-11.slmd	Date	4/4/2018

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Project: PO-169
 Project #: 4585-17-006
 Location: C-11 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY

(with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	50
2	4	12	-5.5	-13.5	105	0	150
3	12	16	-13.5	-17.5	115	0	800
4	16	19	-17.5	-20.5	118	30	0
5	19		-20.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 500.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

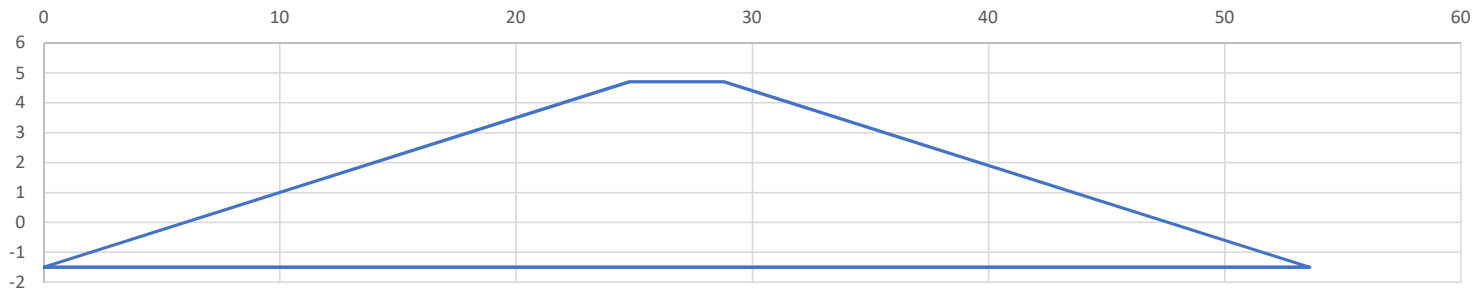
$FS = 1.67$
 Pass

Embankment Dimensions:

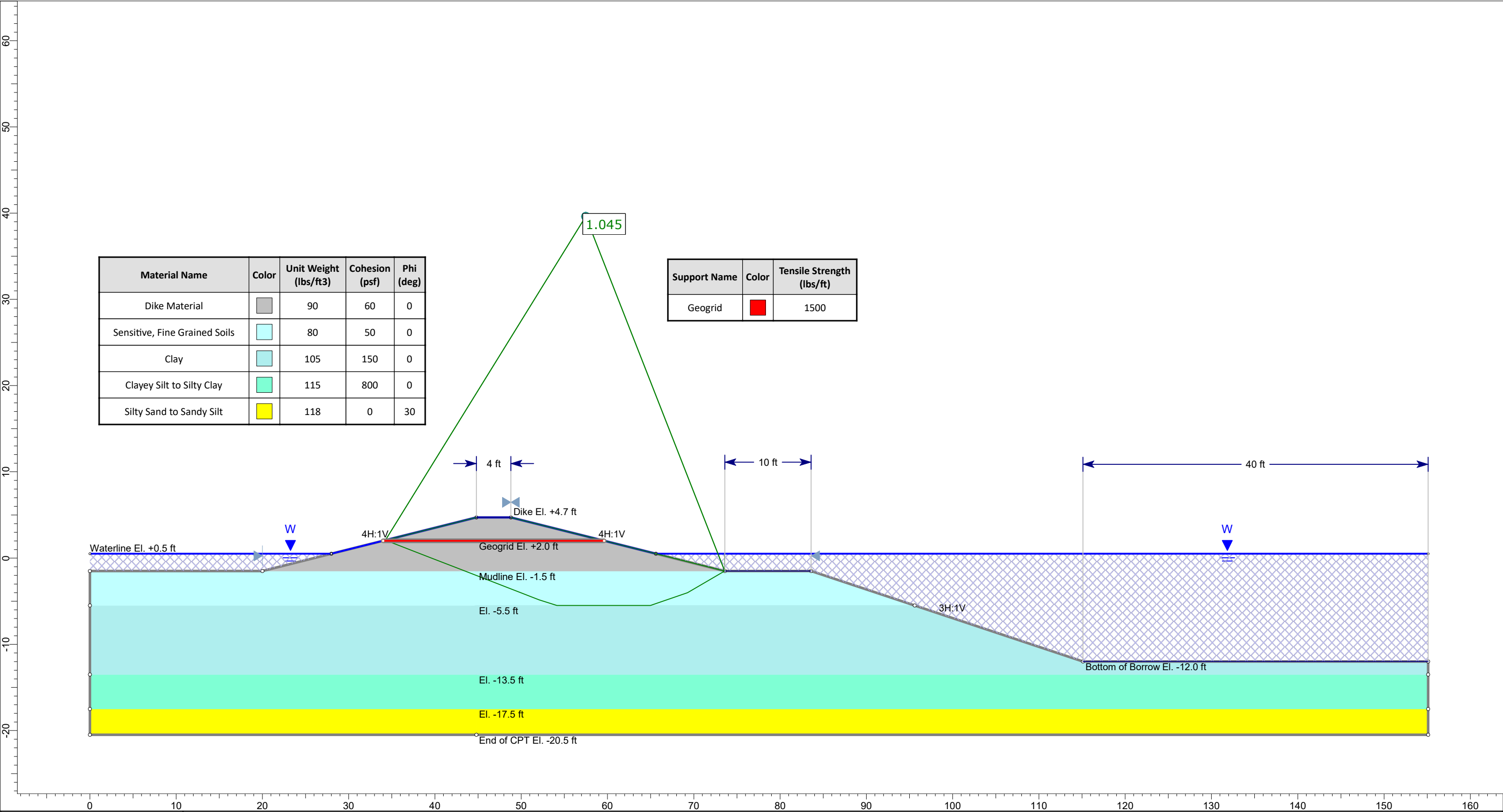
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb

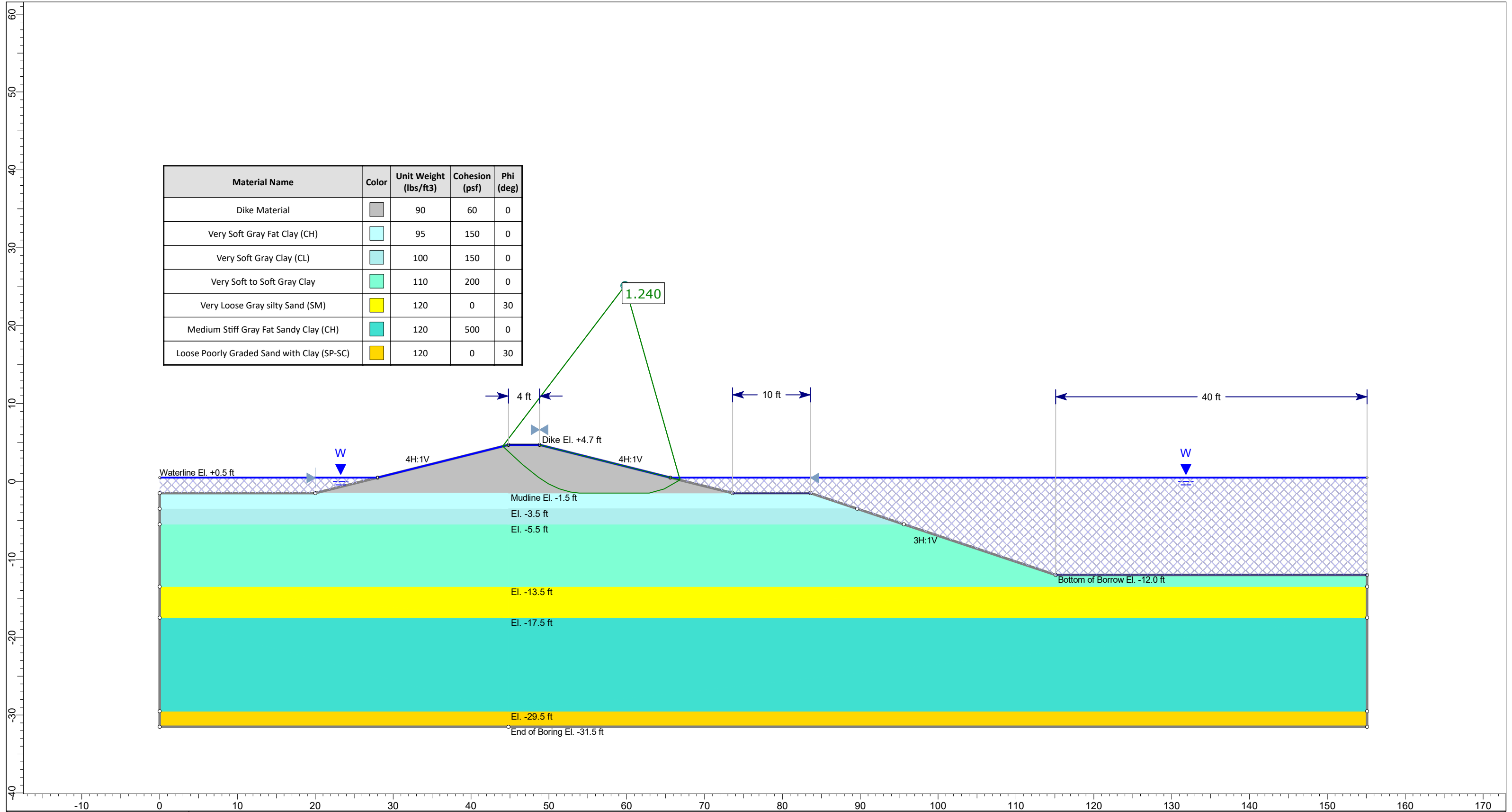



DRAFT



		Project		New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis		Containment Dike Stability		Description	With Geogrid at Elevation +2.0 ft - Dike Only
Scale:	1:127	Project Number	4585-17-006	Company	S&ME
Location	C-11	File Name	_C-11.slmd	Date	4/4/2018

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		Project New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis Containment Dike Stability		Description Without Geogrid - Dike Only		Figure	
Scale: 1:140		Project Number 4585-17-006		Company S&ME	
Location B-9		File Name _B-9.slmd		Date 4/2/2018	

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Project: PO-169
 Project #: 4585-17-006
 Location: B-9 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	95	0	150
2	2	4	-3.5	-5.5	100	0	150
3	4	12	-5.5	-13.5	110	0	200
4	12	16	-13.5	-17.5	120	30	0
5	16	28	-17.5	-29.5	120	0	500
6	28	30	-29.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$q_{ult} = 1200.00$ psf

$D_f = 0$ ft
 $\gamma' = 32.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 1.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

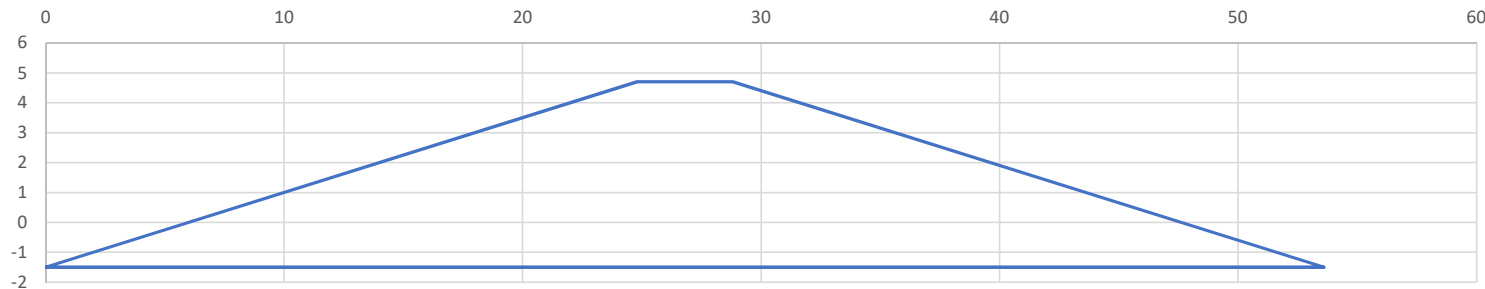
$FS = 2.15$
 Pass

Embankment Dimensions:

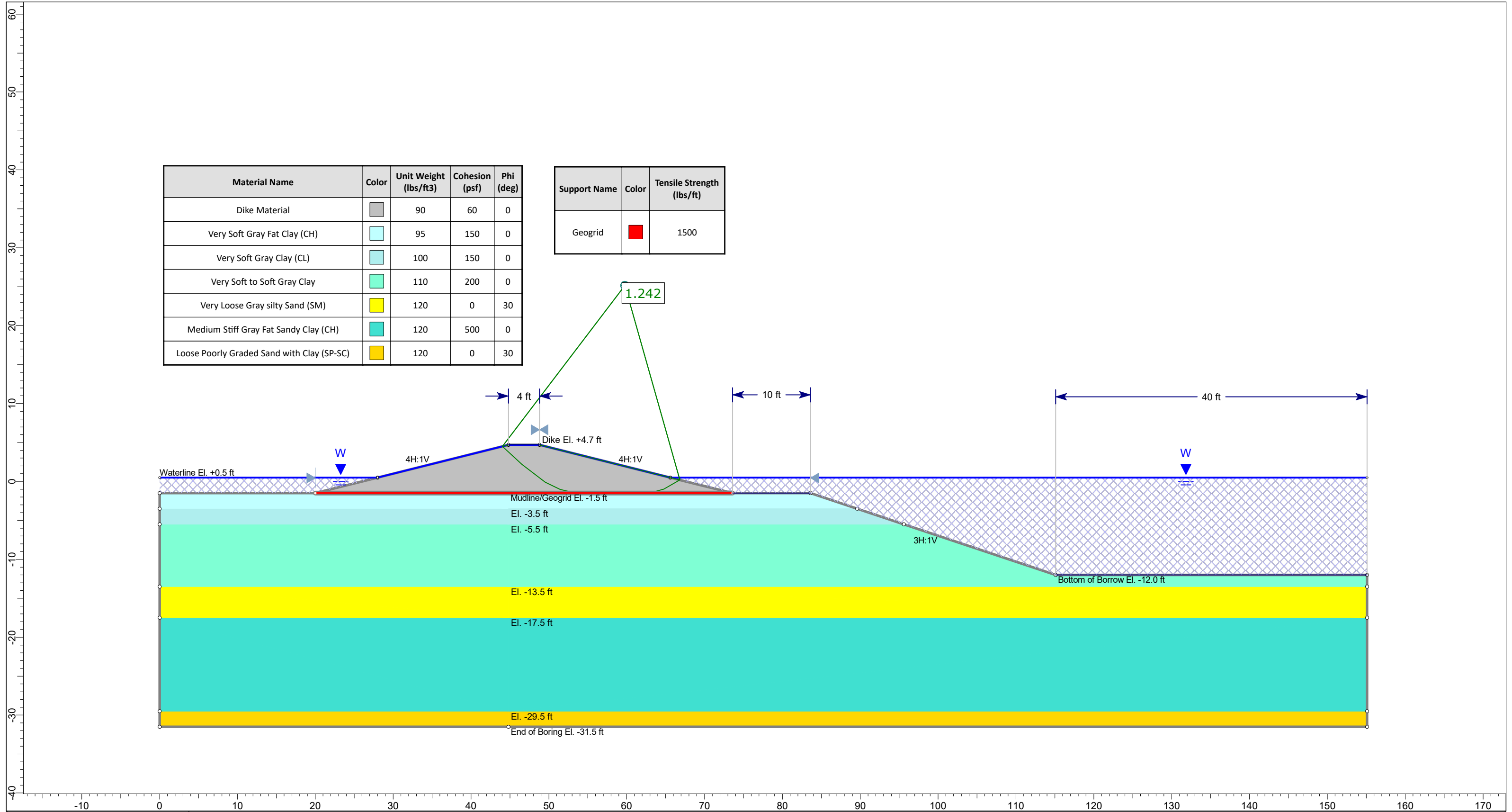
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT



		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Containment Dike Stability		DescriptionWith Geogrid at Mudline - Dike Only	
Scale:		1:140	Project Number	4585-17-006	CompanyS&ME
Location		B-9	File Name	_B-9.slmd	Date4/2/2018

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-9 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	95	0	150
2	2	4	-3.5	-5.5	100	0	150
3	4	12	-5.5	-13.5	110	0	200
4	12	16	-13.5	-17.5	120	30	0
5	16	28	-17.5	-29.5	120	0	500
6	28	30	-29.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$q_{ult} = 1200.00$ psf

$D_f = 0$ ft
 $\gamma' = 32.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 1.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

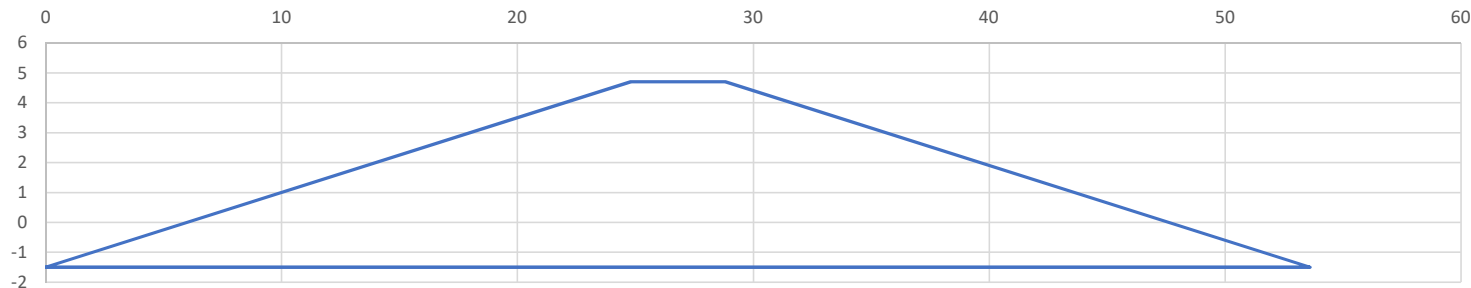
$FS = 4.00$
 Pass

Embankment Dimensions:

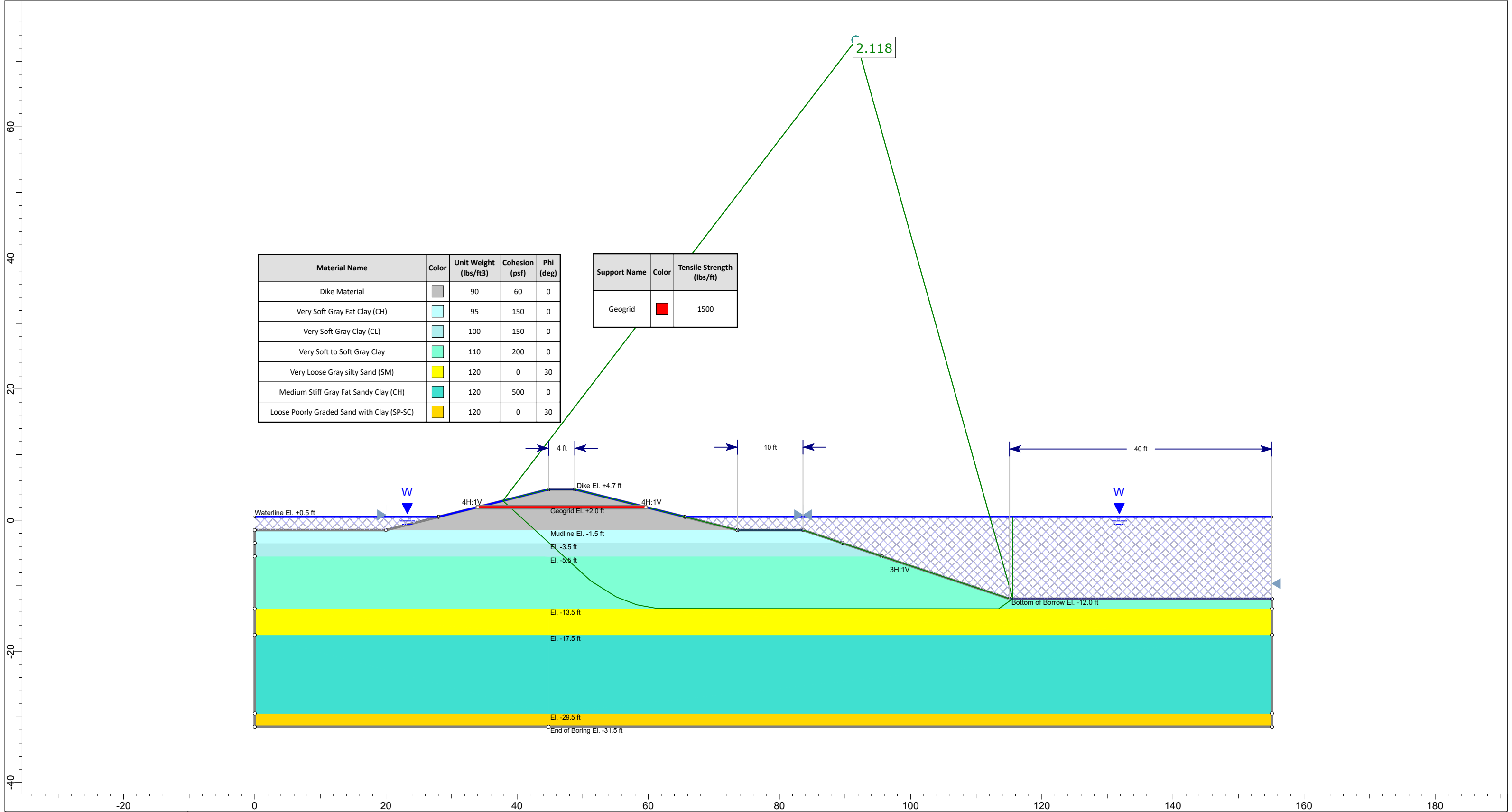
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



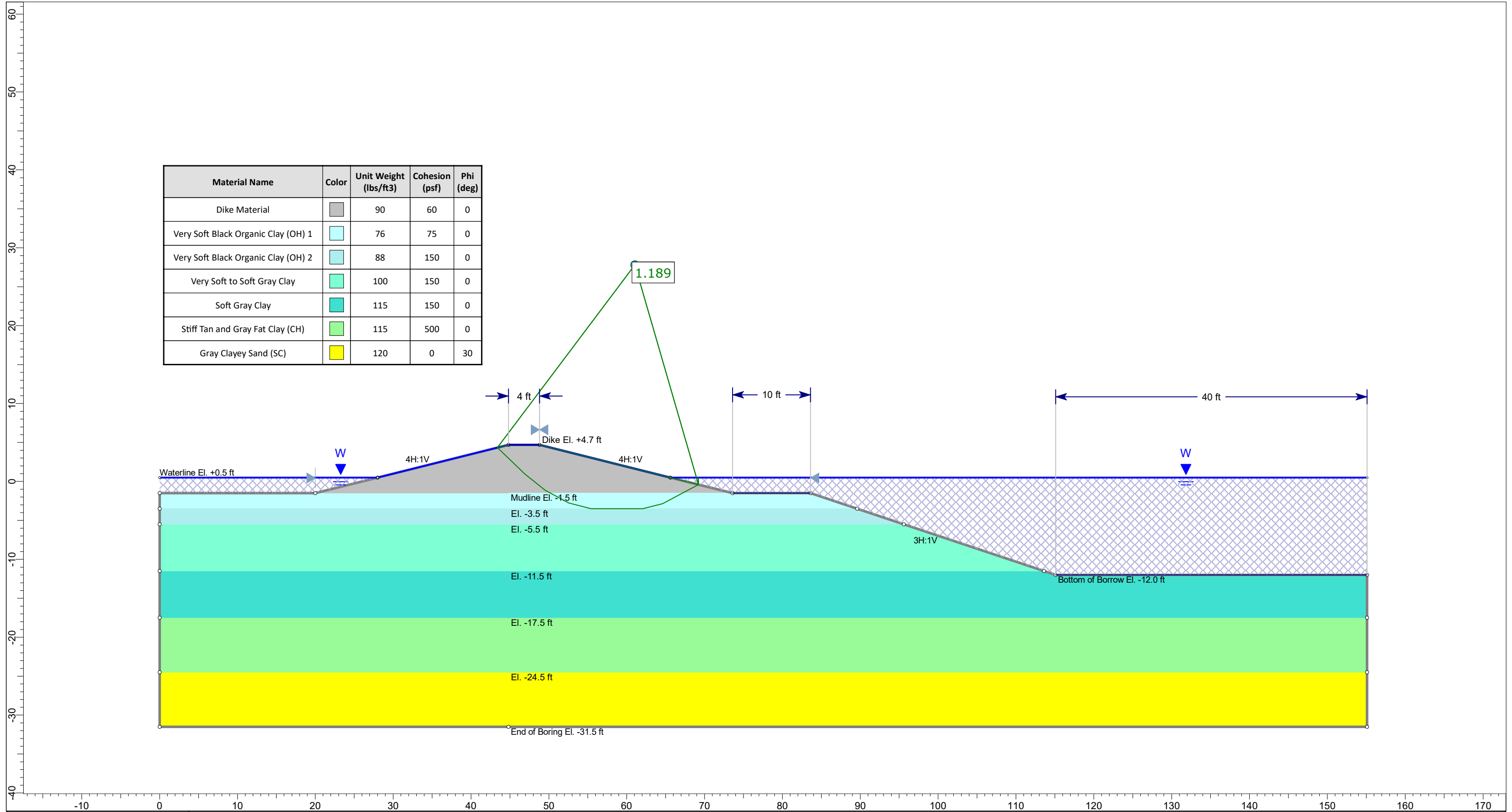
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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Very Soft Gray Fat Clay (CH)		95	150	0
Very Soft Gray Clay (CL)		100	150	0
Very Soft to Soft Gray Clay		110	200	0
Very Loose Gray silty Sand (SM)		120	0	30
Medium Stiff Gray Fat Sandy Clay (CH)		120	500	0
Loose Poorly Graded Sand with Clay (SP-SC)		120	0	30

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Containment Dike Stability		Description	
Scale:				1:167		With Geogrid at Elevation +2.0 ft - Dike and Borrow	
Location				B-9		S&ME	
Project Number				4585-17-006		Date	
File Name				_B-9.slm		4/2/2018	



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Containment Dike Stability		Description	
Scale:				1:140		Without Geogrid - Dike Only	
Location				Project Number		Company	
B-10/C-10 (Cell 2)				4585-17-006		S&ME	
				File Name		Date	
				_B-10 and C-10.slmd		4/25/2018	

Project: PO-169
 Project #: 4585-17-006
 Location: B-10/C-10 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	76	0	75
2	2	4	-3.5	-5.5	88	0	150
3	4	10	-5.5	-11.5	100	0	150
4	10	16	-11.5	-17.5	115	0	150
5	16	23	-17.5	-24.5	115	0	500
6	23	30	-24.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 13.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

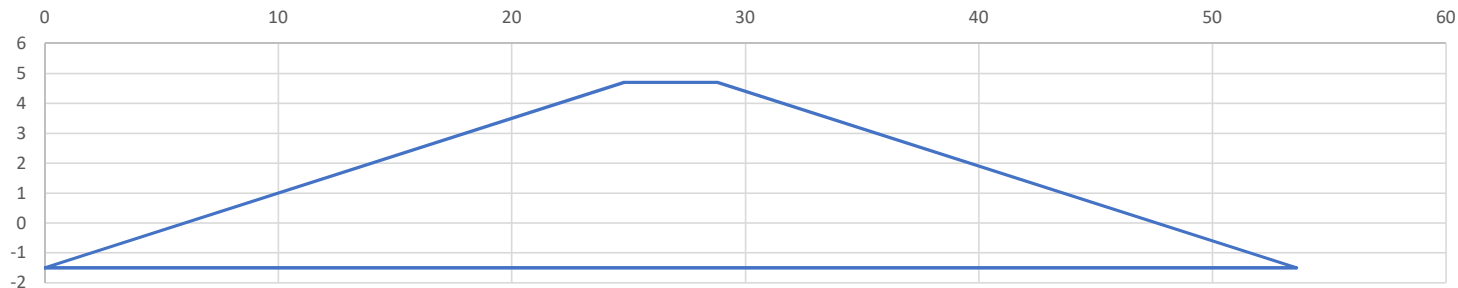
$FS = 1.34$
 Fail

Embankment Dimensions:

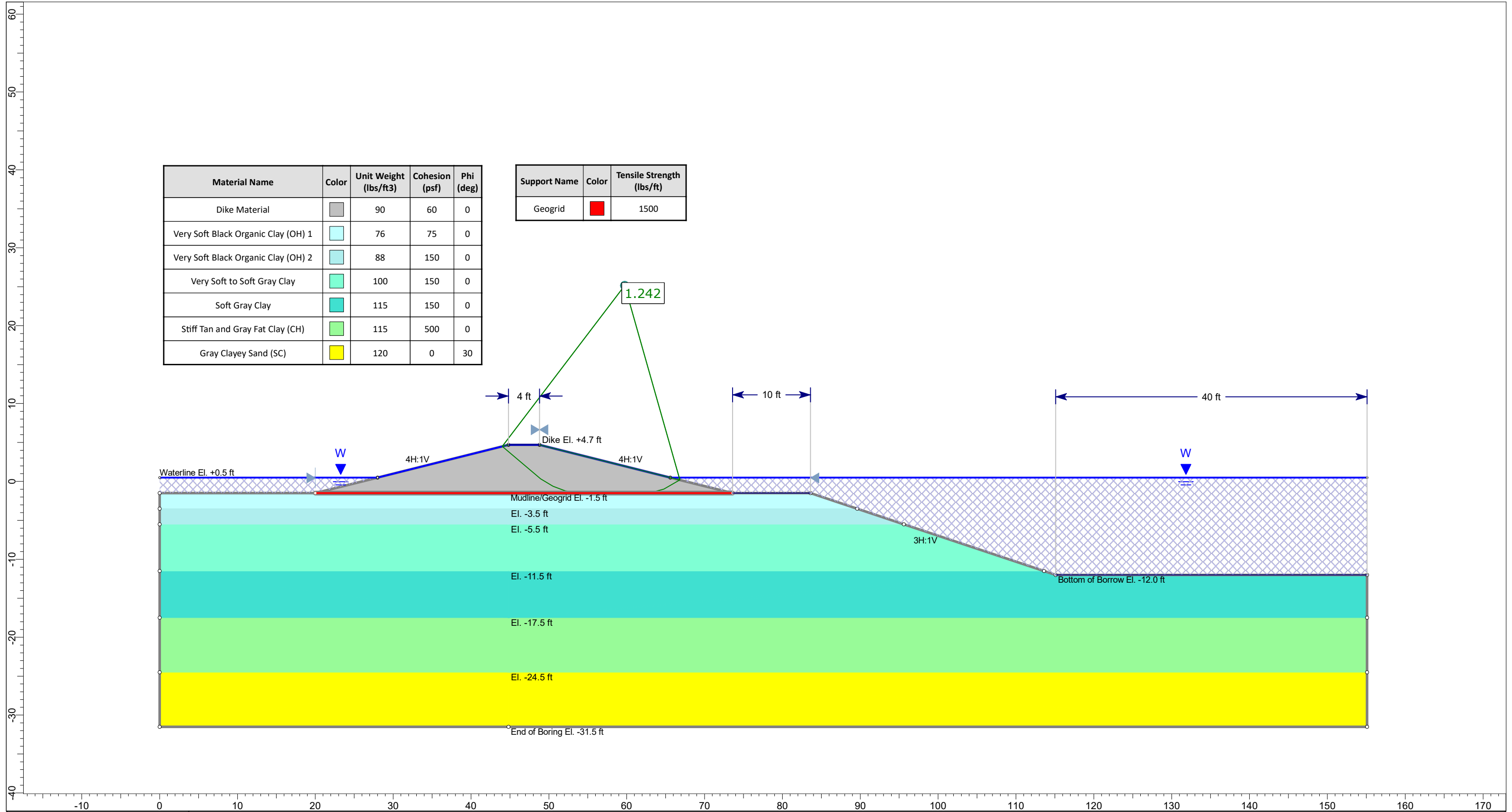
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Containment Dike Stability		Description	
Scale:				1:140		With Geogrid at Mudline - Dike Only	
Location				B-10/C-10 (Cell 2)		Company	
						S&ME	
						Date	
						4/25/2018	
						Figure	

Project: PO-169
 Project #: 4585-17-006
 Location: B-10/C-10 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	76	0	75
2	2	4	-3.5	-5.5	88	0	150
3	4	10	-5.5	-11.5	100	0	150
4	10	16	-11.5	-17.5	115	0	150
5	16	23	-17.5	-24.5	115	0	500
6	23	30	-24.5	-31.5	120	30	0
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 750.00$ psf

$D_f = 0$ ft
 $\gamma' = 13.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

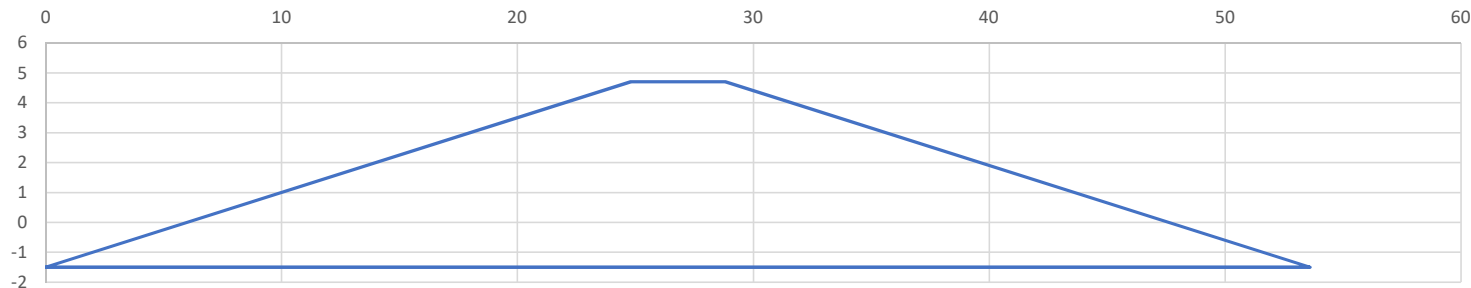
$FS = 2.50$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

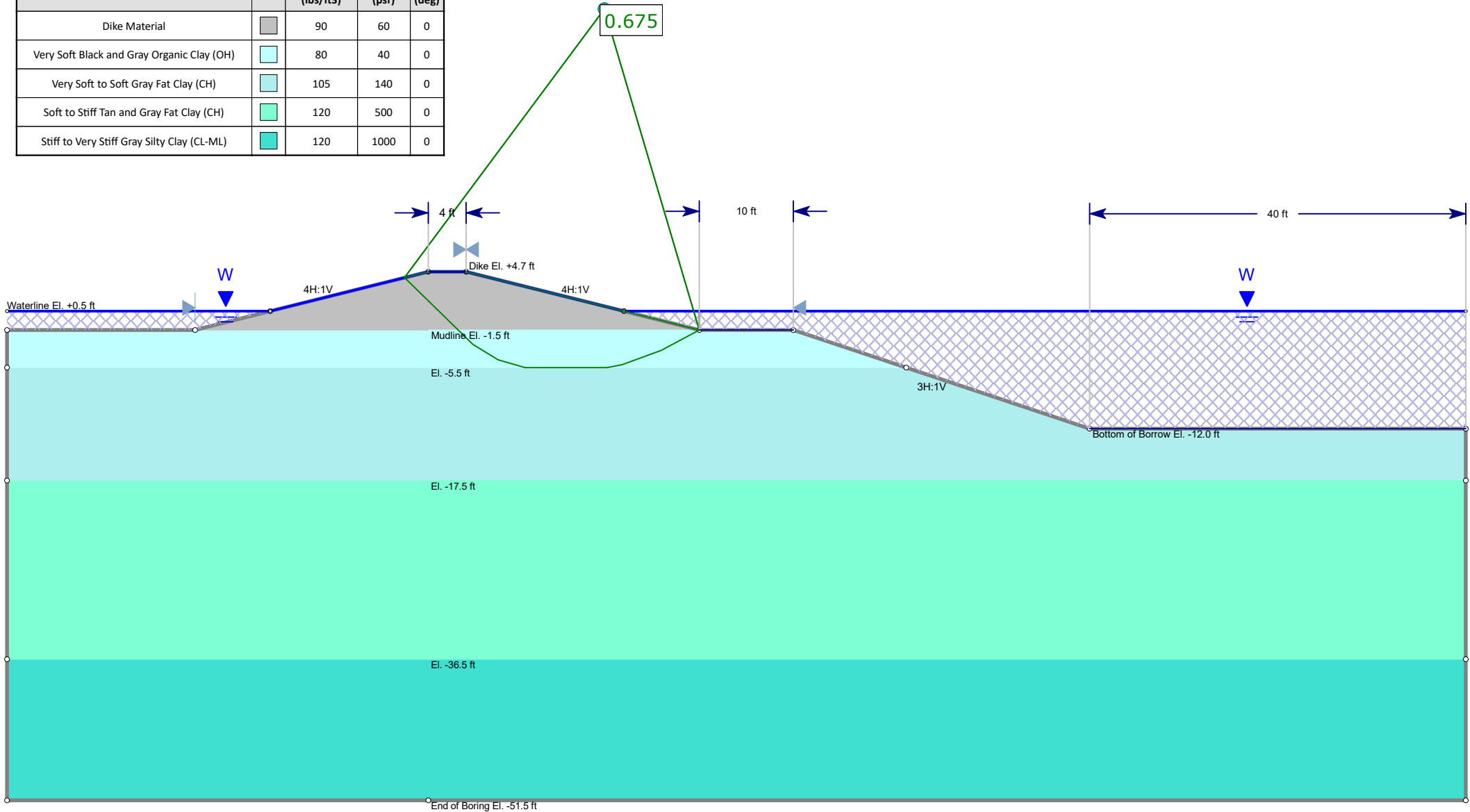
Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material	<div></div>	90	60	0
Very Soft Black and Gray Organic Clay (OH)	<div></div>	80	40	0
Very Soft to Soft Gray Fat Clay (CH)	<div></div>	105	140	0
Soft to Stiff Tan and Gray Fat Clay (CH)	<div></div>	120	500	0
Stiff to Very Stiff Gray Silty Clay (CL-ML)	<div></div>	120	1000	0



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Project: PO-169
 Project #: 4585-17-006
 Location: B-11/C-13 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	16	-5.5	-17.5	105	0	140
3	16	35	-17.5	-36.5	120	0	500
4	35	50	-36.5	-51.5	120	0	1000
5	50		-51.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 400.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

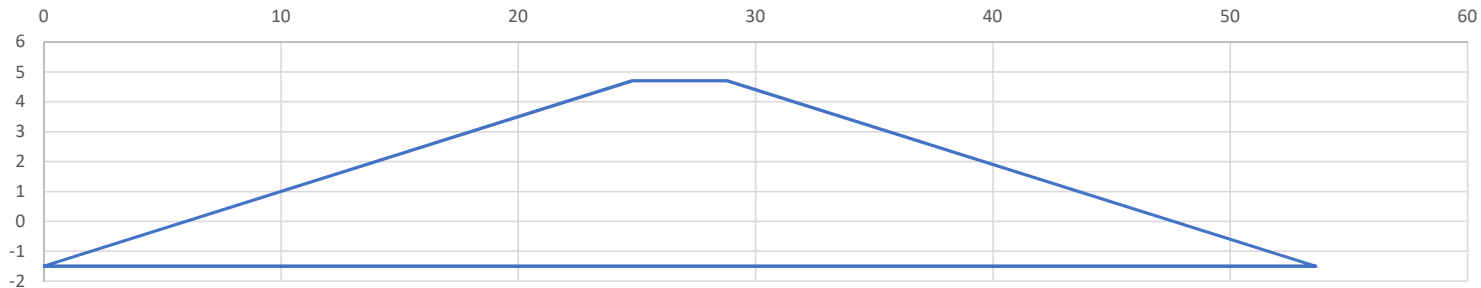
$FS = 0.72$
 Fail

Embankment Dimensions:

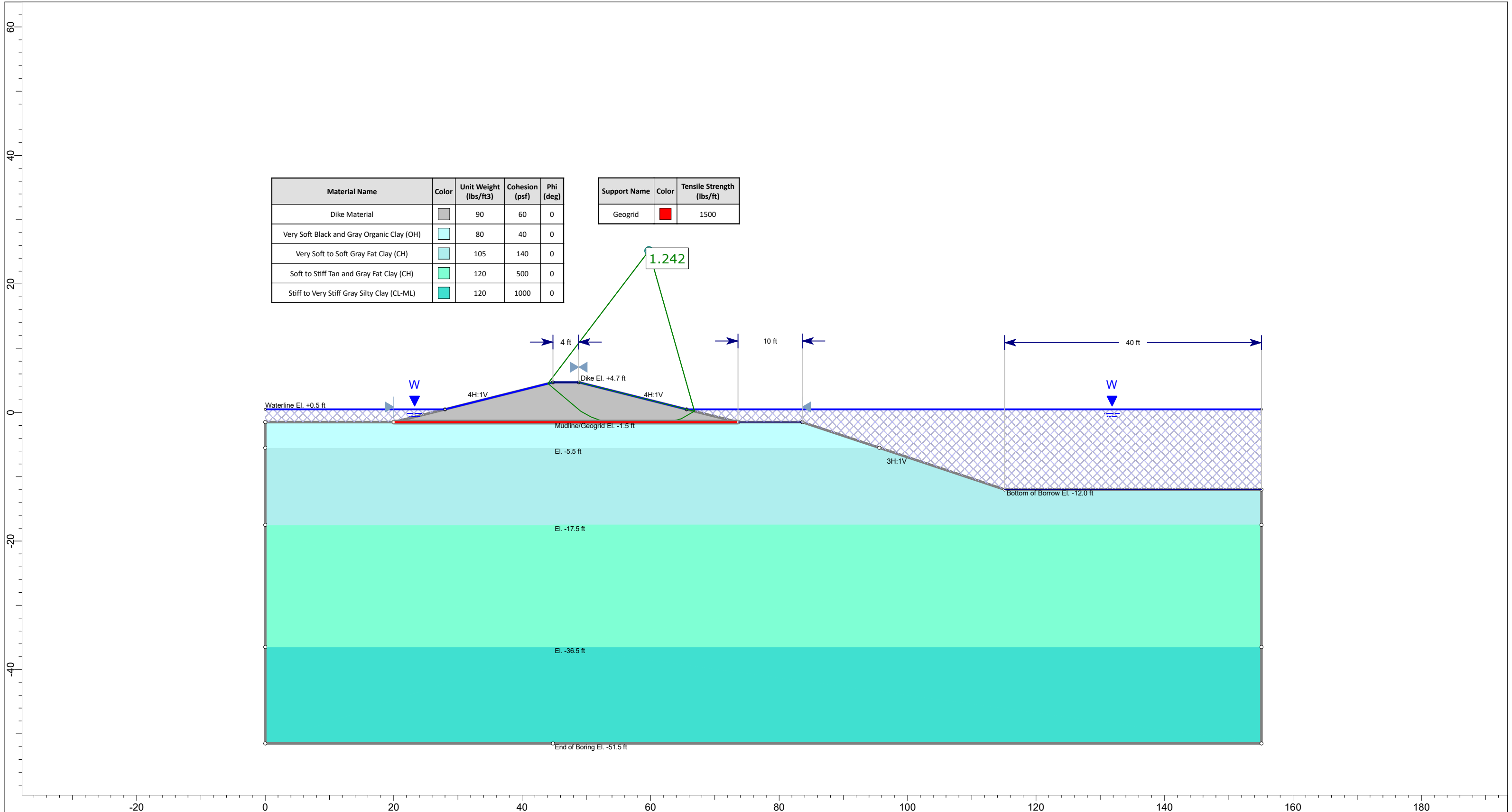
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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	Project			
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis		Containment Dike Stability	Description
	Scale:		Project Number	With Geogrid at Mudline - Dike Only
	Location		File Name	Company
B-11/C-13		4585-17-006		S&ME
		_B-11 and C-13.slmd		Date
				4/2/2018

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Project: PO-169
 Project #: 4585-17-006
 Location: B-11/C-13 (Cell 2)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid at Mudline)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	16	-5.5	-17.5	105	0	140
3	16	35	-17.5	-36.5	120	0	500
4	35	50	-36.5	-51.5	120	0	1000
5	50		-51.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 400.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

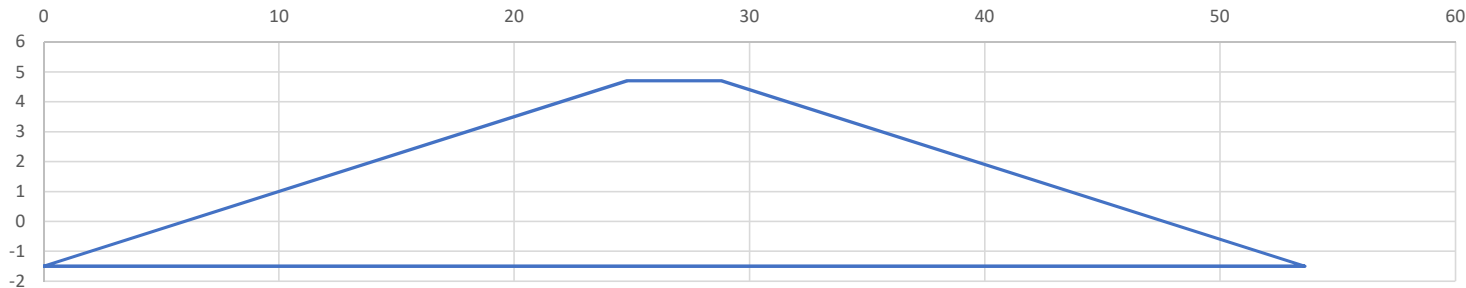
$FS = 1.33$
 Fail

Embankment Dimensions:

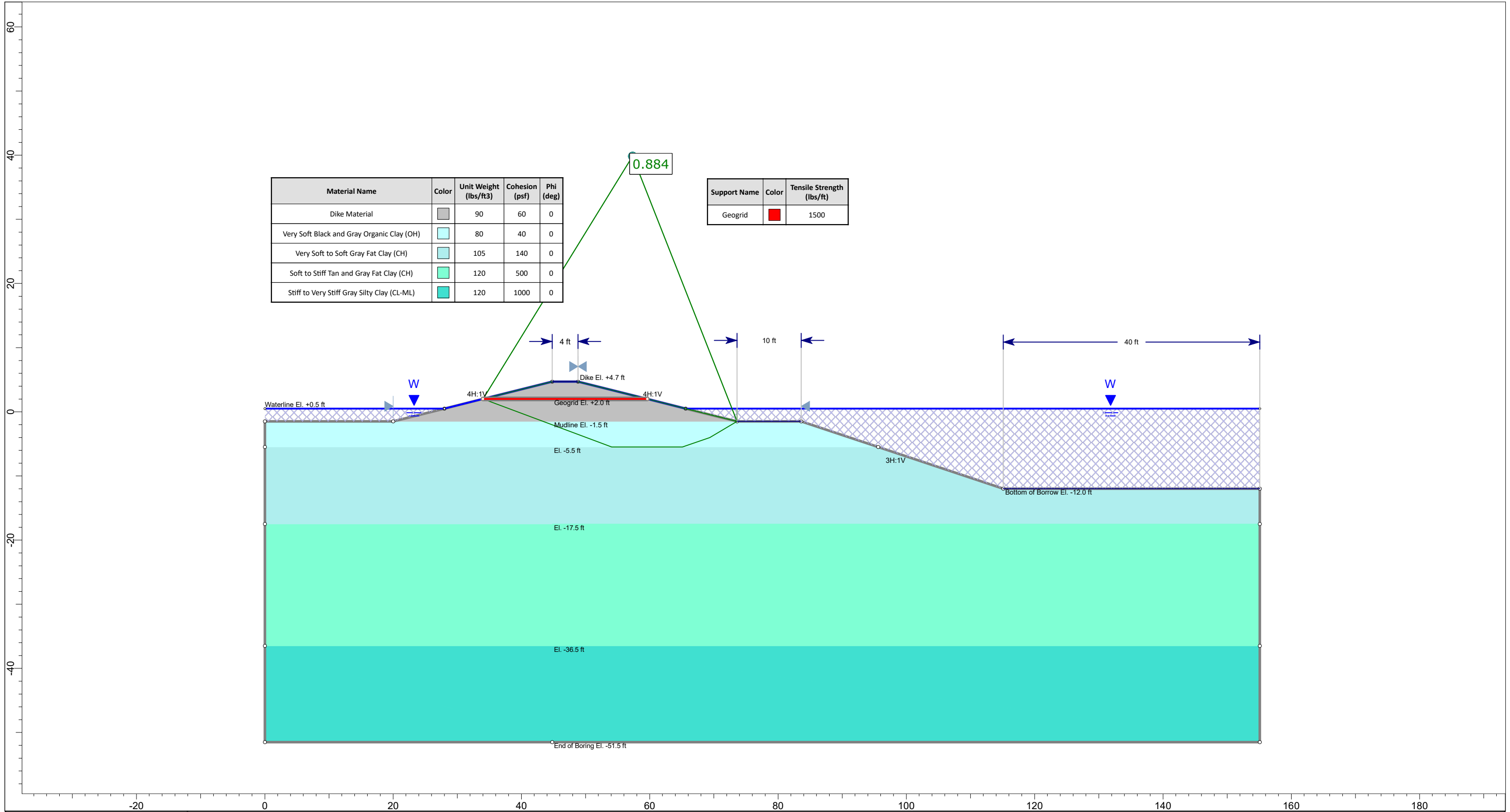
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb

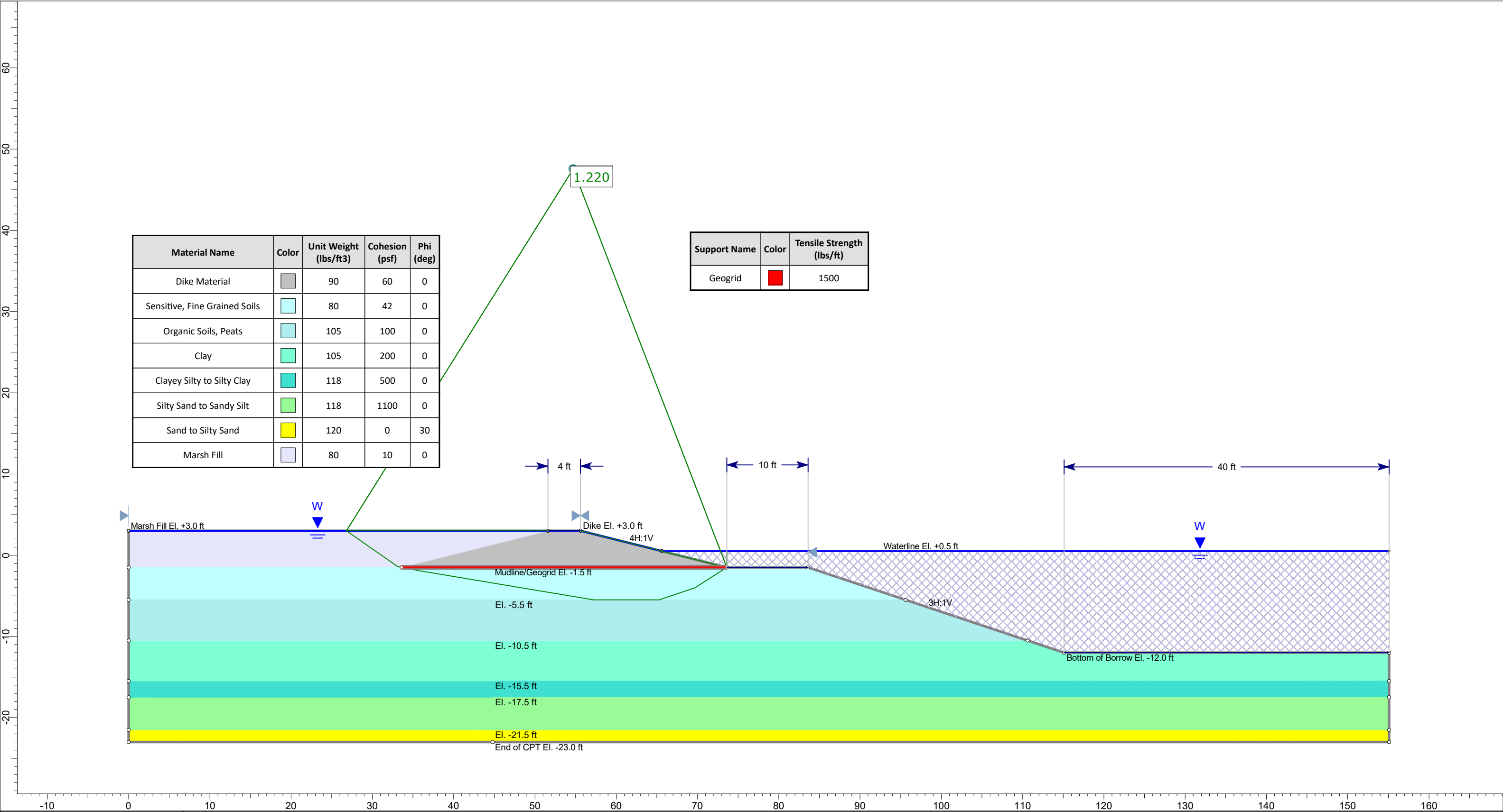



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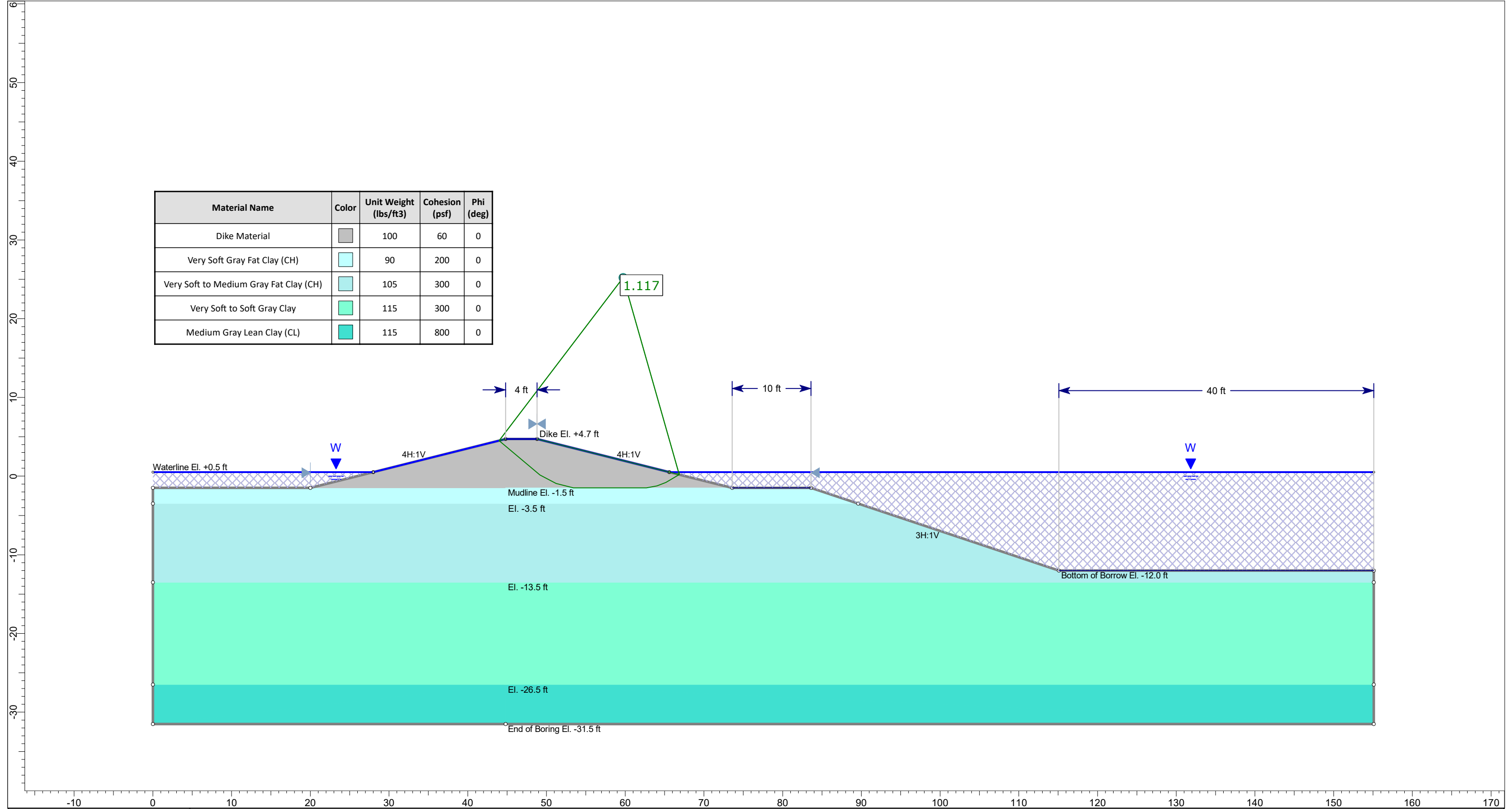
		Project New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis Containment Dike Stability		Description With Geogrid at Elevation +2.0' - Dike Only	
Scale: 1:170	Project Number 4585-17-006	Company S&ME	Figure
Location B-11/C-13	File Name _B-11 and C-13.slmd	Date 4/2/2018	


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 SLIDEINTERPRET 7.031	Project										New Orleans Landbridge Marsh Creation and Shoreline Stabilization																																																																																								
	Analysis										Earthen Containment Dike Stability With Marsh Fill										Description										Geogrid at Mudline, Dike and MF at 3.0' - Dike Only																																																																				
	Scale:										1:135										Project Number										4585-17-006										Company										S&ME										Figure										II-11M																												
	Location										C-7 (Cell 2)										File Name										_C-7 with Marsh Fill.slmd										Date										5/3/2018																																																

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 <small>SLIDEINTERPRET 7.031</small>	Project				
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization				
	Analysis			Description	
	Containment Dike Stability			Without Geogrid - Dike Only	
	Scale:	1:138	Project Number	4585-17-006	Company
Location	B-19	File Name	_B-19.slmd	Date	4/3/2018

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Project: PO-169
Project #: 4585-17-006
Location: B-19 (Cell 3)
Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	90	0	200
2	2	4	-3.5	-5.5	105	0	300
3	4	12	-5.5	-13.5	105	0	300
4	12	18	-13.5	-19.5	115	0	300
5	18	25	-19.5	-26.5	115	0	300
6	25	30	-26.5	-31.5	115	30	800
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:
 $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1600.00$ psf

$D_f = 0$ ft
 $\gamma' = 27.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 1.5$ (-)

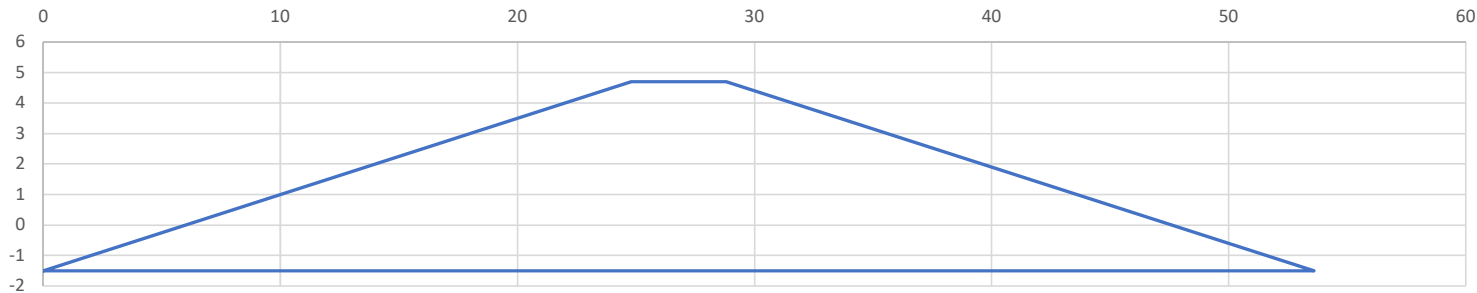
Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 620.00$ lb/ft per foot of embankment

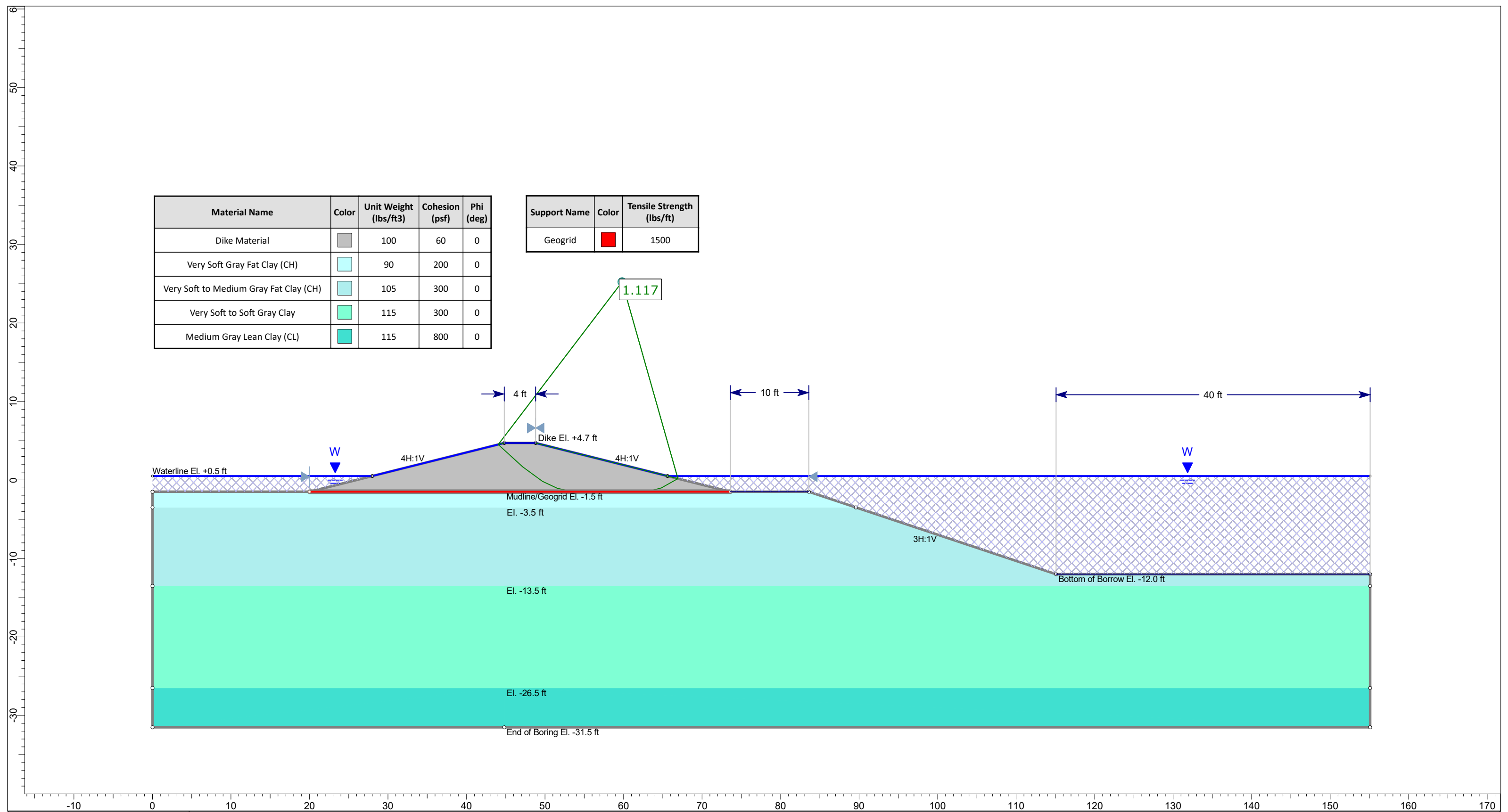
$FS = 2.58$
 Pass

Embankment Dimensions:
 Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:
 Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 17,856 lb



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	Project				
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization				
	Analysis			Description	
	Containment Dike Stability			With Geogrid at Mudline - Dike Only	
Scale:	1:138	Project Number	4585-17-006	Company	S&ME
Location	B-19	File Name	_B-19.slmd	Date	4/3/2018

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Project: PO-169
Project #: 4585-17-006
Location: B-19 (Cell 3)
Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	90	0	200
2	2	4	-3.5	-5.5	105	0	300
3	4	12	-5.5	-13.5	105	0	300
4	12	18	-13.5	-19.5	115	0	300
5	18	25	-19.5	-26.5	115	0	300
6	25	30	-26.5	-31.5	115	30	800
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:
 $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$

 $q_{ult} = 1600.00$ psf

$D_f = 0$ ft
 $\gamma' = 27.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 1.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

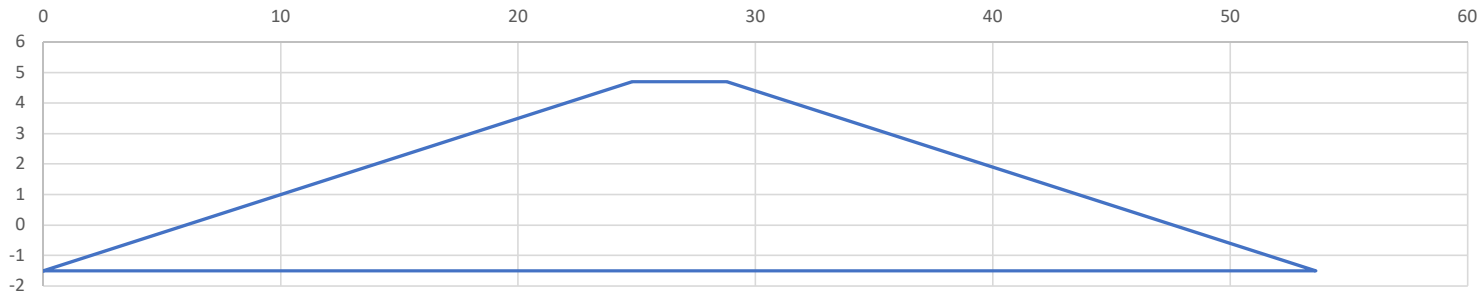
$\Delta\sigma = 333.13$ lb/ft per foot of embankment

$FS = 4.80$
 Pass

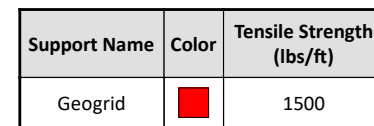
Embankment Dimensions:
 Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal


Embankment Properties:
 Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf

 Emb. Load: 17,856 lb



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 <small>SLIDEINTERPRET 7.031</small>	Project									
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization									
	Analysis			Containment Dike Stability		Description	With Geogrid at Elevation +2.0 ft - Dike Only			
	Scale:		1:138	Project Number		4585-17-006		Company	S&ME	Figure
	Location		B-19	File Name		_B-19.slmd		Date	4/3/2018	

Project: PO-169
Project #: 4585-17-006
Location: B-19 (Cell 3)
Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	90	0	200
2	2	4	-3.5	-5.5	105	0	300
3	4	12	-5.5	-13.5	105	0	300
4	12	18	-13.5	-19.5	115	0	300
5	18	25	-19.5	-26.5	115	0	300
6	25	30	-26.5	-31.5	115	30	800
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

Nc = 8
 Nq = 1.00
 Nγ = 0.00

Df = 0 ft
 γ' = 27.6 pcf
 σ'D = 0 psf
 T = 2 ft
 T/B = 0.042 (-)
 C2/C1 = 1.5 (-)

q_{ult} = 1600.00 psf

Factor of Safety:

$$FS = q_{ult} / q_{allow}$$

FS > 1.5

Δσ = 550.00 lb/ft per foot of embankment

FS = 2.91
 Pass

Embankment Dimensions:

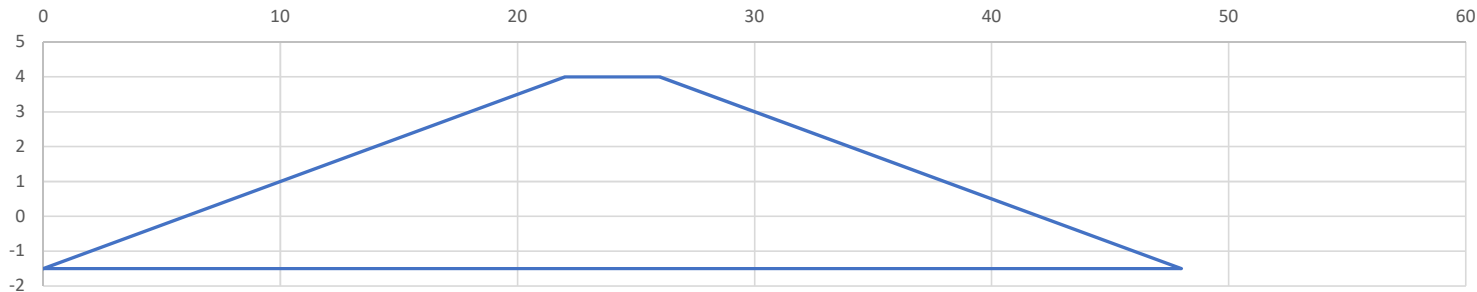
Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft

*trapezoidal

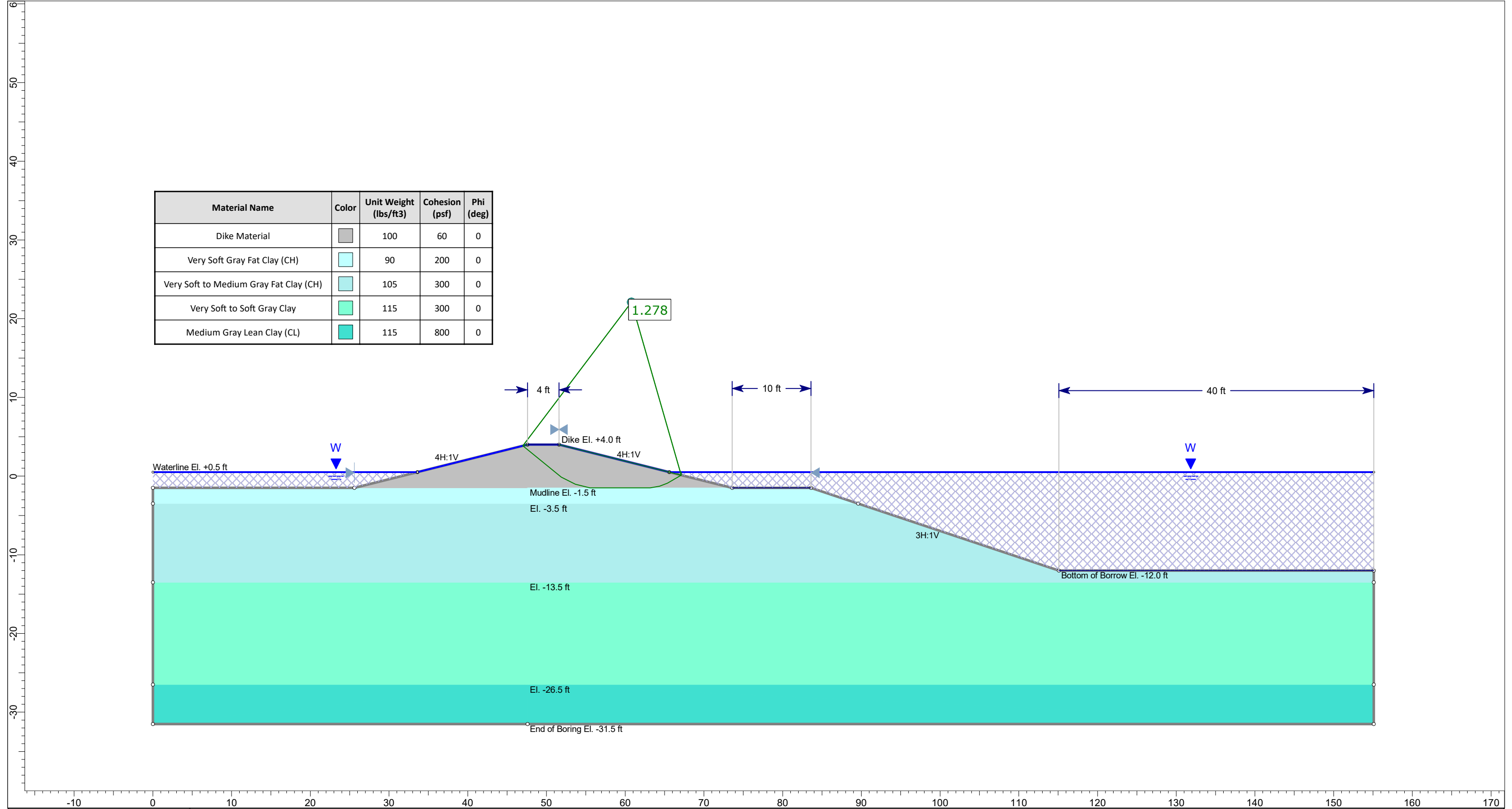
Embankment Properties:

Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf

Emb. Load: 14,300 lb



DRAFT



		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization	
AnalysisContainment Dike Stability		DescriptionDike Elevation +4.0', Without Geogrid - Dike Only	
Scale:1:138	Project Number4585-17-006	CompanyS&ME	Figure
LocationB-19 (Cell 3)	File Name_B-19.slmd	Date5/3/2018	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-19 (Cell 3)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	90	0	200
2	2	4	-3.5	-5.5	105	0	300
3	4	12	-5.5	-13.5	105	0	300
4	12	18	-13.5	-19.5	115	0	300
5	18	25	-19.5	-26.5	115	0	300
6	25	30	-26.5	-31.5	115	30	800
7	30		-31.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 8$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 1600.00$ psf

$D_f = 0$ ft
 $\gamma' = 27.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.042$ (-)
 $C2/C1 = 1.5$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 297.92$ lb/ft per foot of embankment

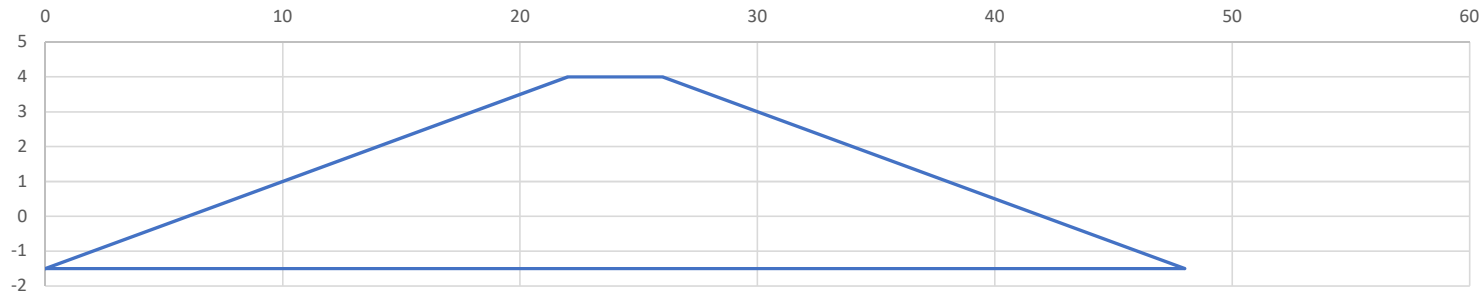
$FS = 5.37$
 Pass

Embankment Dimensions:

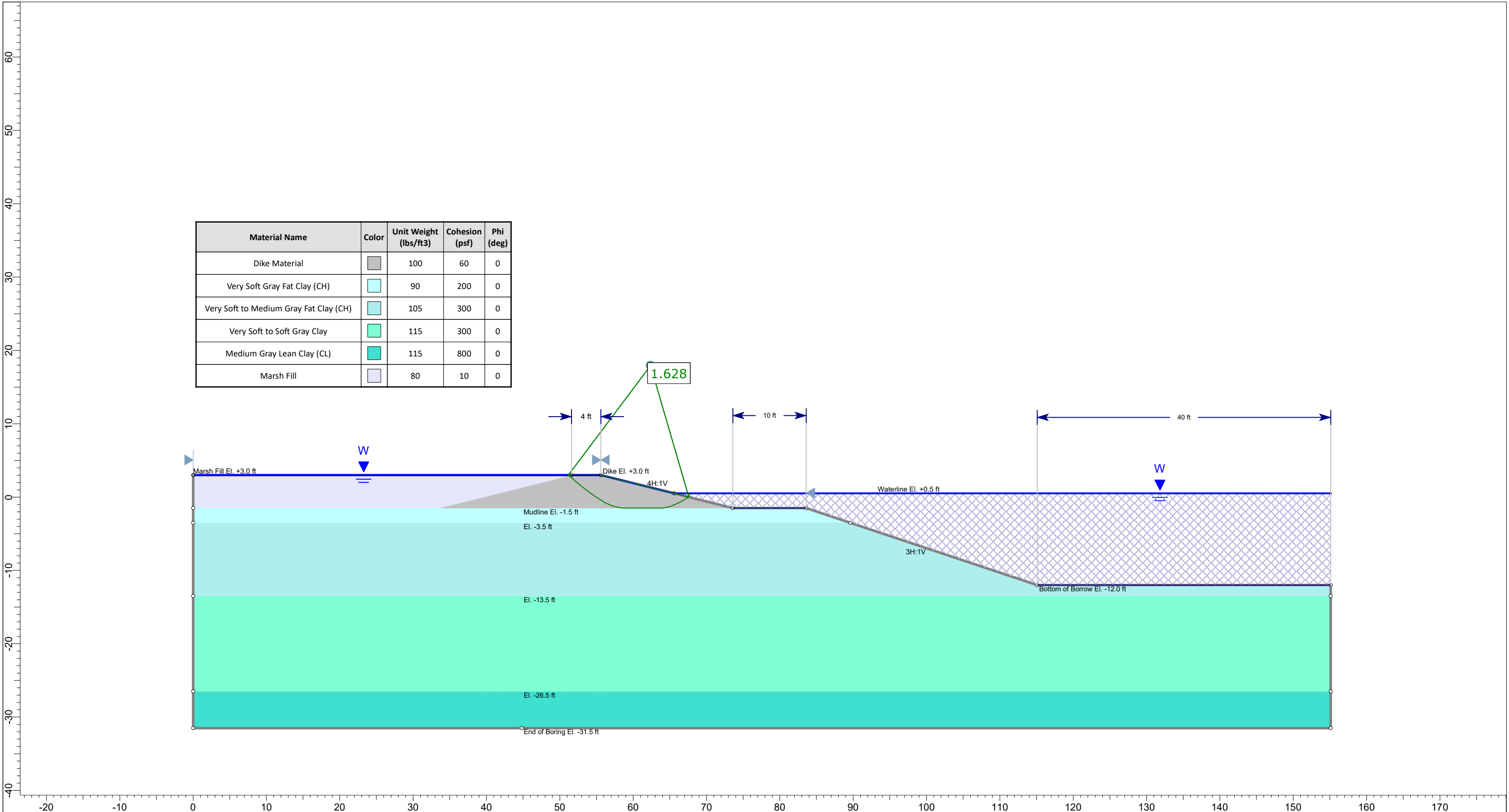
Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:


Unit Weight: 100 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 14,300 lb

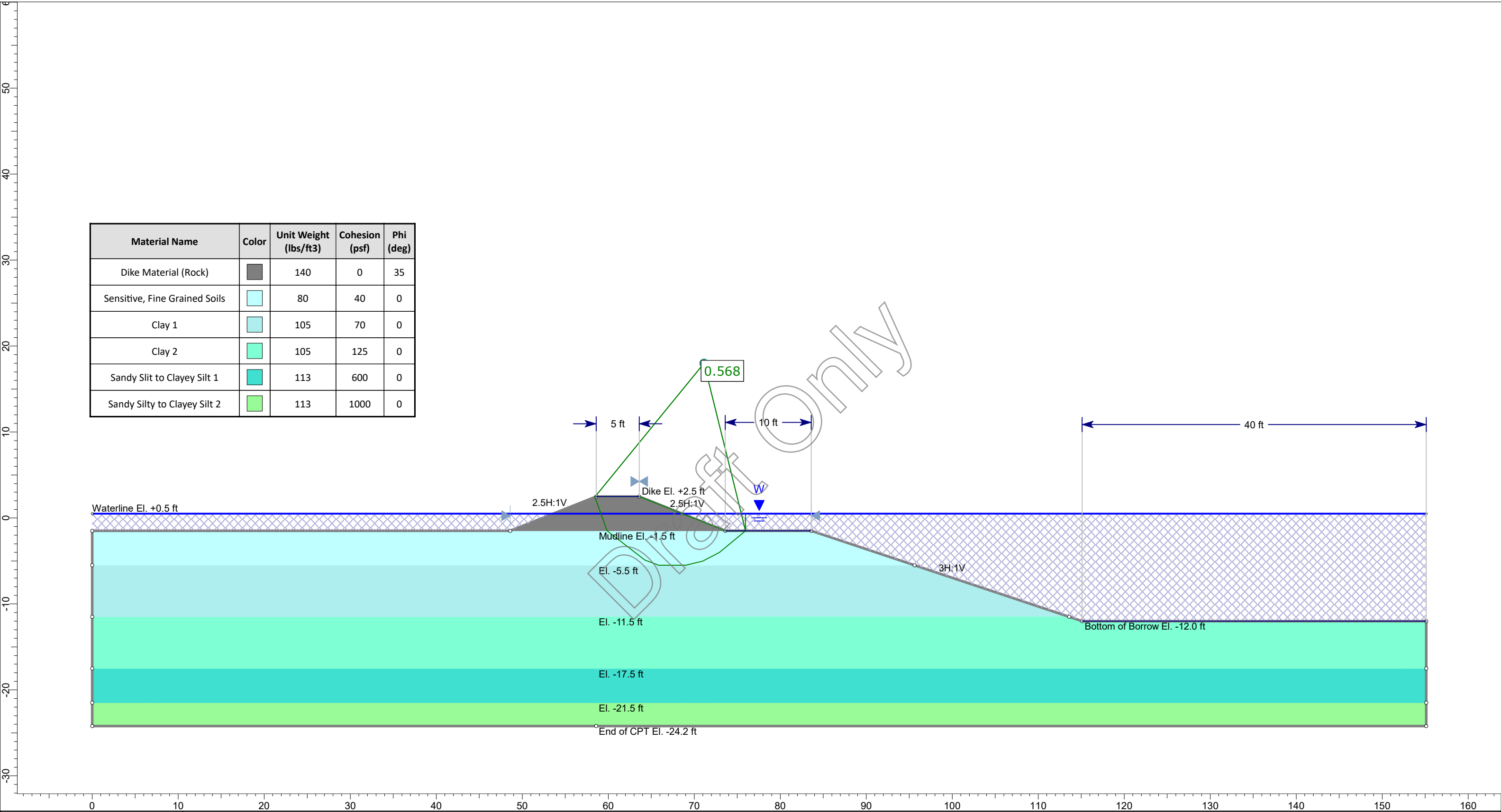


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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material	<div></div>	100	60	0
Very Soft Gray Fat Clay (CH)	<div></div>	90	200	0
Very Soft to Medium Gray Fat Clay (CH)	<div></div>	105	300	0
Very Soft to Soft Gray Clay	<div></div>	115	300	0
Medium Gray Lean Clay (CL)	<div></div>	115	800	0
Marsh Fill	<div></div>	80	10	0

 <small>SLIDEINTERPRET 7.031</small>	Project										New Orleans Landbridge Marsh Creation and Shoreline Stabilization																													
	Analysis										Containment Dike Stability With Marsh Fill										Description										Without Geogrid, Dike and MF at 3.0' - Dike Only									
	Scale:					1:149					Project Number					4585-17-006					Company					S&ME					Figure					II-8H				
	Location					B-19 (Cell 3)					File Name					_B-19 with Marsh Fill.slmd					Date					5/3/2018														



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)		140	0	35
Sensitive, Fine Grained Soils		80	40	0
Clay 1		105	70	0
Clay 2		105	125	0
Sandy Slit to Clayey Silt 1		113	600	0
Sandy Silty to Clayey Silt 2		113	1000	0

	Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis		Rock Breakwater Stability		Description		Without Geogrid - Dike Only	
	Scale:		Project Number		Company		Figure 1	
	1:127		4585-17-006		S&ME		DRAFT	
	Location		File Name		Date			
	C-16 (Cell 4)		_C-16 with Rip Rap.slmd		4/26/2018			

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-16 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	10	-5.5	-11.5	105	0	70
3	10	16	-11.5	-17.5	105	0	125
4	16	20	-17.5	-21.5	113	0	600
5	20	22.7	-21.5	-24.2	113	0	1000
6	22.7		-24.2	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 360.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.160$ (-)
 $C2/C1 = 1.8$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 560.00$ lb/ft per foot of embankment

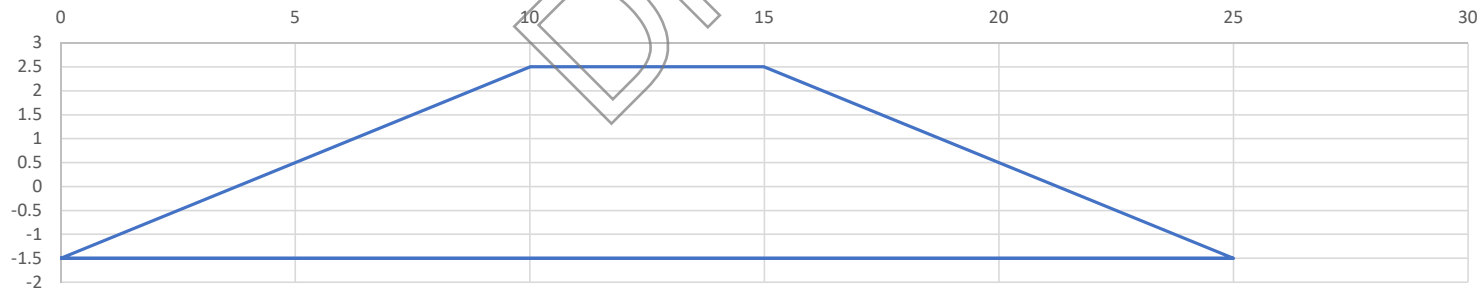
$FS = 0.64$
 Fail

Embankment Dimensions:

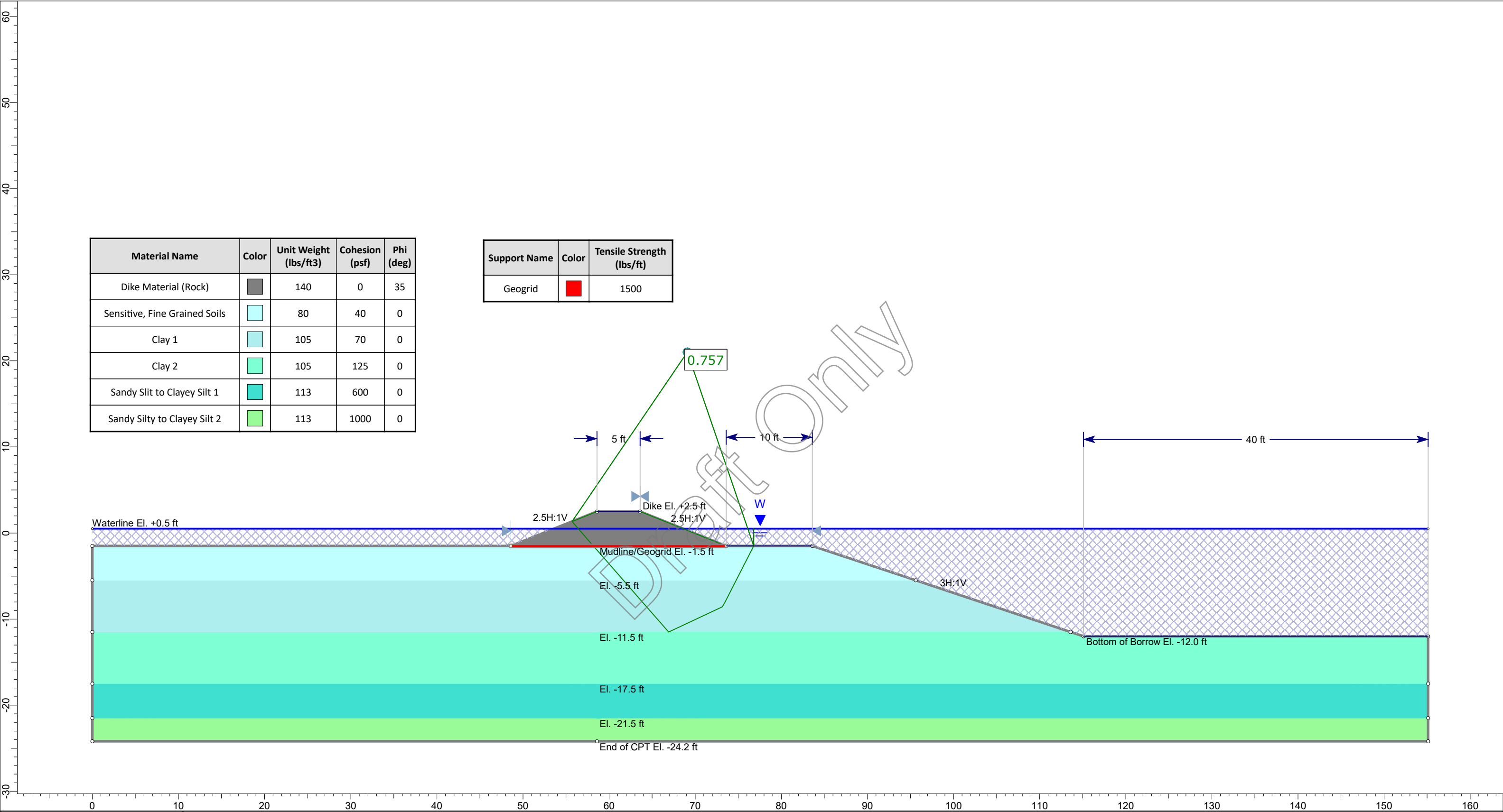
Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb




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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)		140	0	35
Sensitive, Fine Grained Soils		80	40	0
Clay 1		105	70	0
Clay 2		105	125	0
Sandy Slit to Clayey Silt 1		113	600	0
Sandy Silty to Clayey Silt 2		113	1000	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization									
	Analysis				Rock Breakwater Stability		Description		With Geogrid at Mudline - Dike Only					
	Scale:		1:127		Project Number		4585-17-006		Company		S&ME		Figure 1	
	Location		C-16 (Cell 4)		File Name		_C-16 with Rip Rap.slmd		Date		4/26/2018		DRAFT	

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Project: PO-169
 Project #: 4585-17-006
 Location: C-16 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	10	-5.5	-11.5	105	0	70
3	10	16	-11.5	-17.5	105	0	125
4	16	20	-17.5	-21.5	113	0	600
5	20	22.7	-21.5	-24.2	113	0	1000
6	22.7		-24.2	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 360.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.160$ (-)
 $C2/C1 = 1.8$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 336.00$ lb/ft per foot of embankment

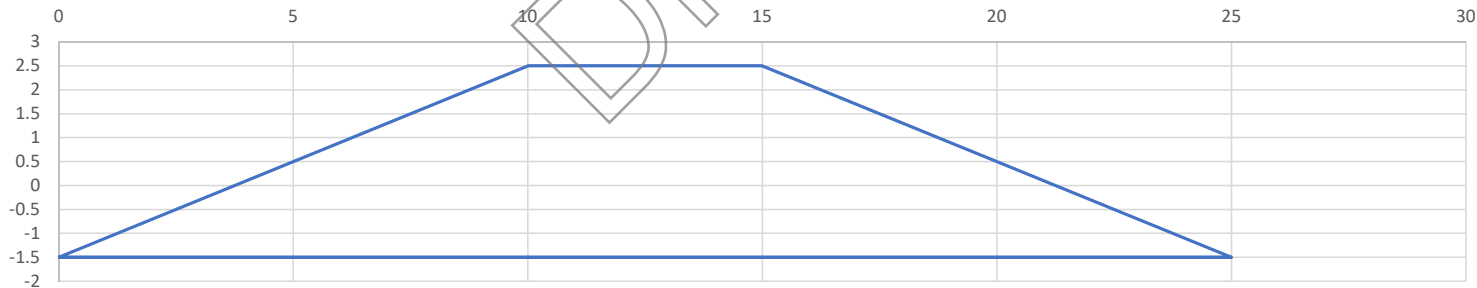
$FS = 1.07$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

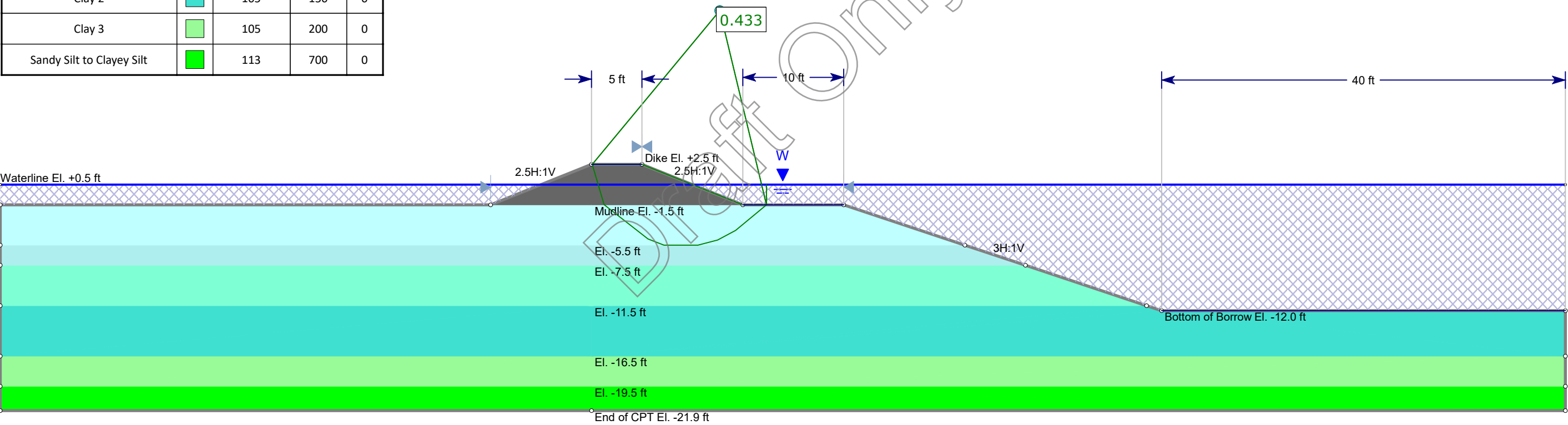
Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb



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60
50
40
30
20
10
0
-10
-20
-30

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)	<div></div>	140	0	35
Sensitive, Fine Grained Soils	<div></div>	80	30	0
Silty Clay to Clay 1	<div></div>	113	100	0
Clay 1	<div></div>	105	100	0
Clay 2	<div></div>	105	150	0
Clay 3	<div></div>	105	200	0
Sandy Silt to Clayey Silt	<div></div>	113	700	0



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Rock Breakwater Stability		Description		Without Geogrid - Dike Only	
Scale:		1:127		Project Number		4585-17-006	
				Company		S&ME	
Location		C-18 (Cell 4)		File Name		_C-18 with Rip Rap.slmd	
				Date		4/26/2018	

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.160$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 560.00$ lb/ft per foot of embankment

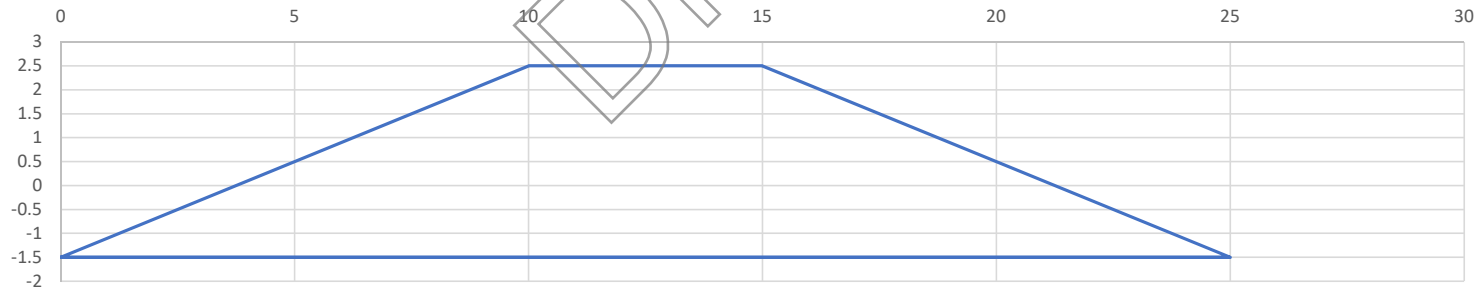
$FS = 0.54$
 Fail

Embankment Dimensions:

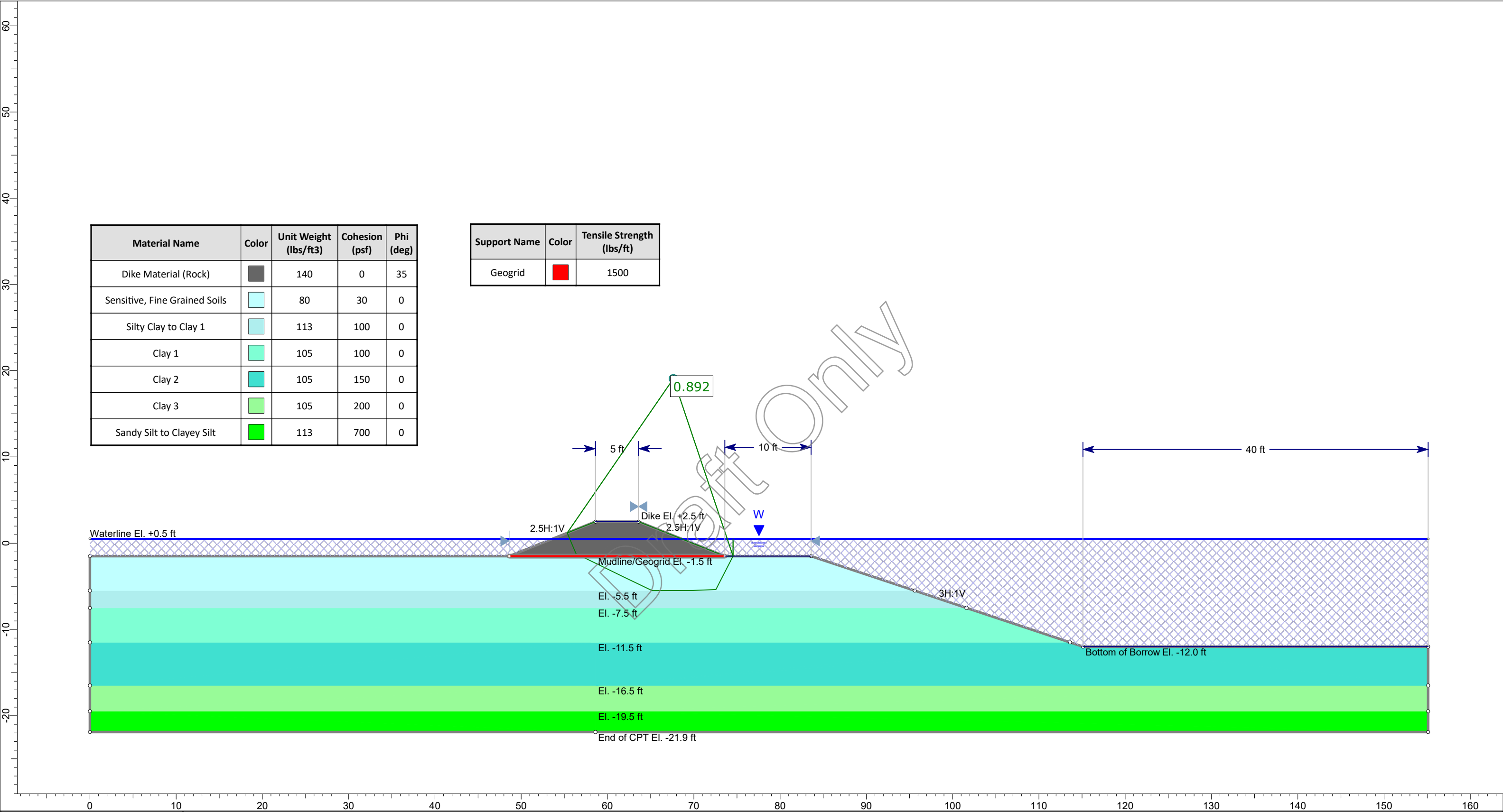
Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb




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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rock)		140	0	35
Sensitive, Fine Grained Soils		80	30	0
Silty Clay to Clay 1		113	100	0
Clay 1		105	100	0
Clay 2		105	150	0
Clay 3		105	200	0
Sandy Silt to Clayey Silt		113	700	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis		Rock Breakwater Stability		Description		With Geogrid at Mudline - Dike Only	
	Scale:		Project Number		Company		Figure	
	1:127		4585-17-006		S&ME		DRAFT	
Location		File Name		Date				
C-18 (Cell 4)		_C-18 with Rip Rap.slmd		4/26/2018				

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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.160$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 336.00$ lb/ft per foot of embankment

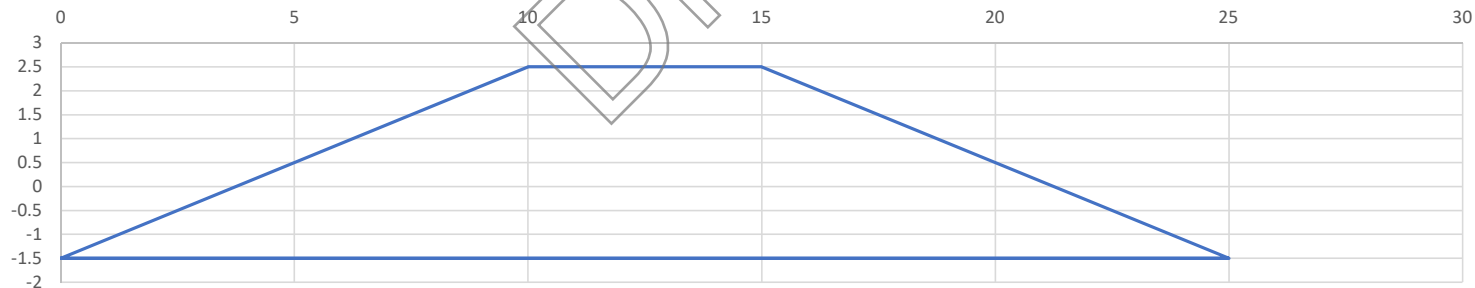
$FS = 0.89$
 Fail

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.200$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 420.00$ lb/ft per foot of embankment

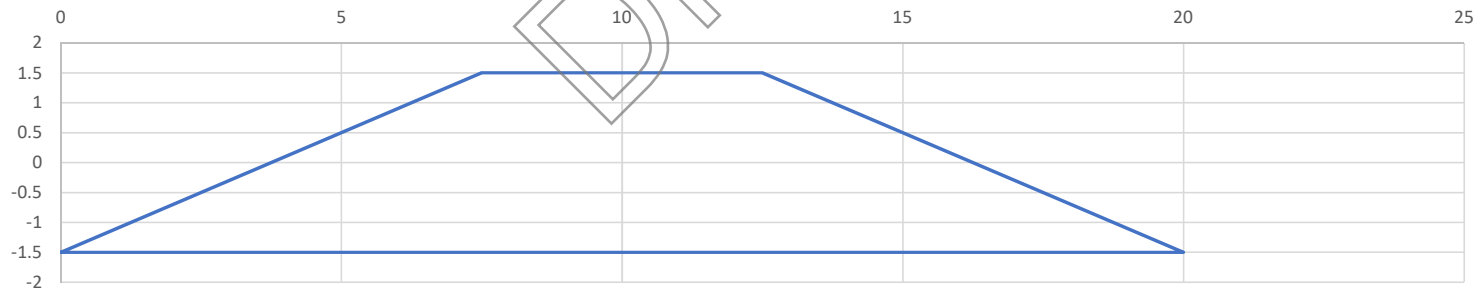
$FS = 0.71$
 Fail

Embankment Dimensions:

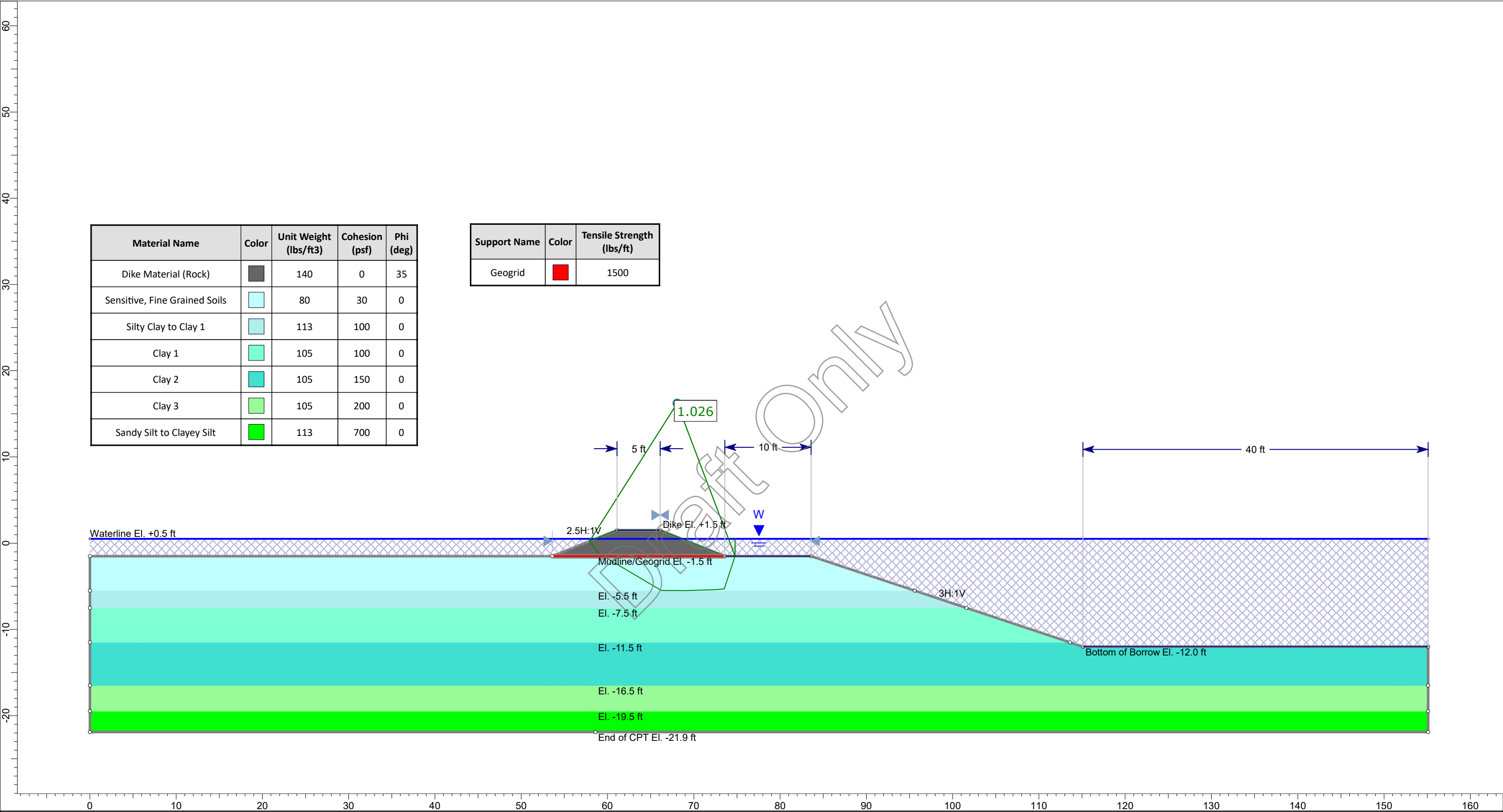
Crest Width: 5 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 2.5 :1
 Base Width: 20 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 5,250 lb



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	Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization																													
	Analysis					Rock Breakwater Stability					Description					Dike El. +1.5', With Geogrid at Mudline - Dike Only																			
	Scale:					1:127					Project Number					4585-17-006					Company					S&ME					Figure				
	Location					C-18 (Cell 4)					File Name					_C-18 with Rip Rap.slmd					Date					5/3/2018					DRAFT				

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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.200$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 262.50$ lb/ft per foot of embankment

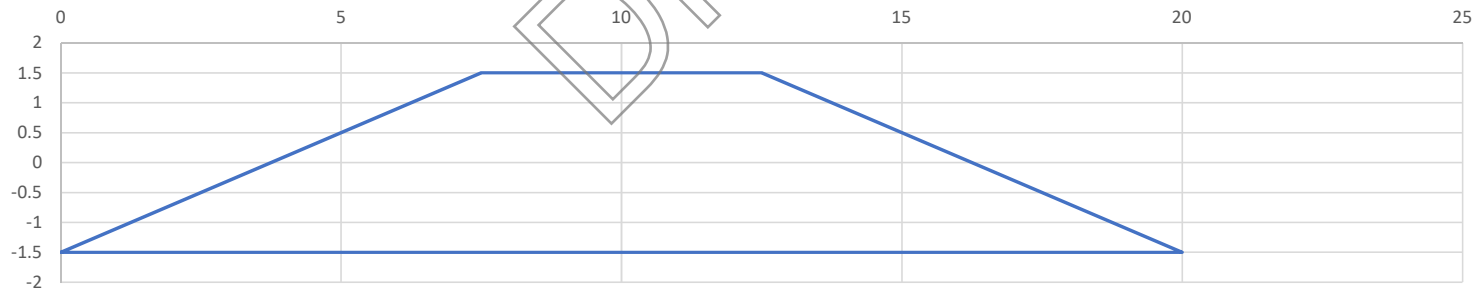
$FS = 1.14$
 Fail

Embankment Dimensions:

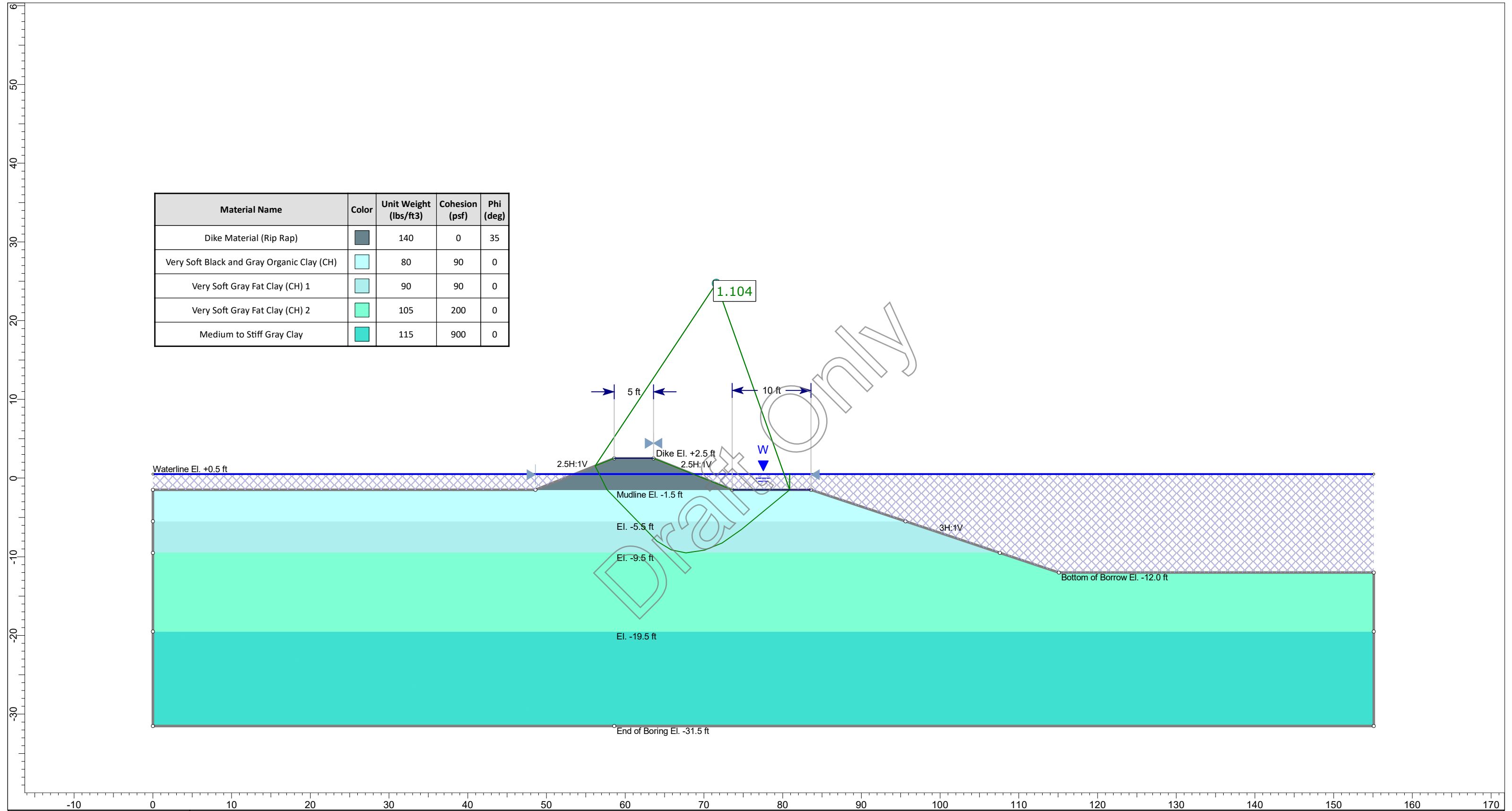
Crest Width: 5 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 2.5 :1
 Base Width: 20 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 5,250 lb



DRAFT



	Project																																		
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization																																		
	Analysis					Rock Breakwater Stability					Description					Without Geogrid - Dike Only																			
	Scale:					1:138					Project Number					4585-17-006					Company					S&ME					Figure 1				
	Location					B-17 (Cell 4)					File Name					_B-17 with Rip Rap.slmd					Date					5/3/2018									

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Project: PO-169
 Project #: 4585-17-006
 Location: B-17 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	90
2	4	8	-5.5	-9.5	90	0	90
3	8	18	-9.5	-19.5	105	0	200
4	18	30	-19.5	-31.5	115	0	900
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 7$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 630.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 8$ ft
 $T/B = 0.320$ (-)
 $C2/C1 = 2.2$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 560.00$ lb/ft per foot of embankment

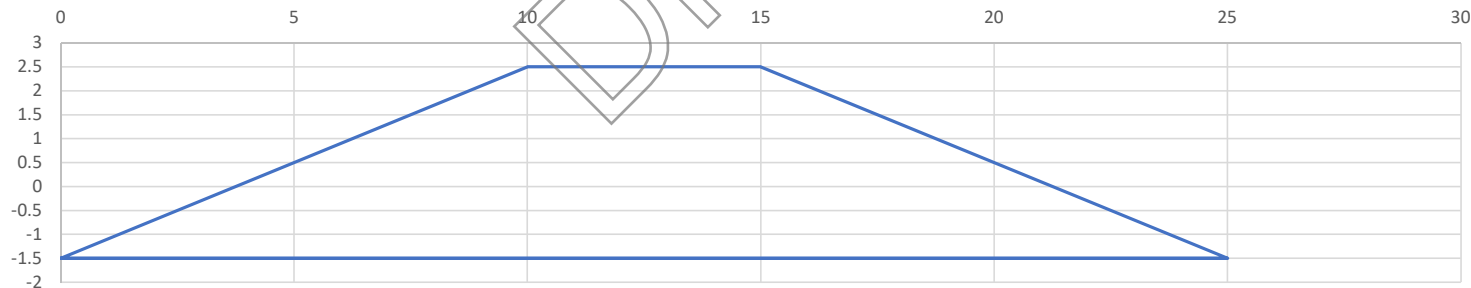
$FS = 1.13$
 Fail

Embankment Dimensions:

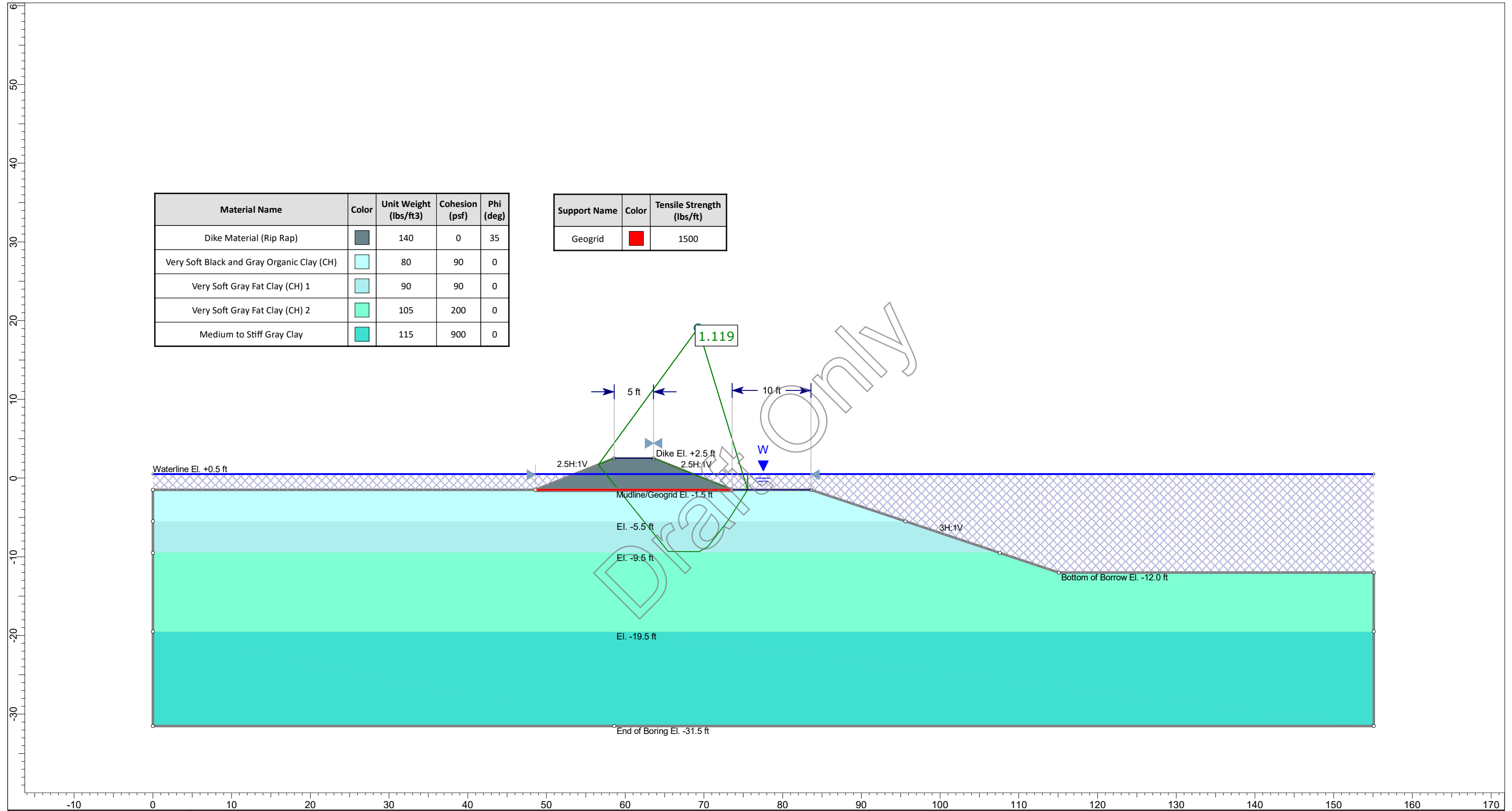
Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb



DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)	<div></div>	140	0	35
Very Soft Black and Gray Organic Clay (CH)	<div></div>	80	90	0
Very Soft Gray Fat Clay (CH) 1	<div></div>	90	90	0
Very Soft Gray Fat Clay (CH) 2	<div></div>	105	200	0
Medium to Stiff Gray Clay	<div></div>	115	900	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid	<div></div>	1500

<div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div>SLIDEINTERPRET 7.031</div>	ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	AnalysisRock Breakwater Stability		DescriptionWith Geogrid at Mudline - Dike Only	
	Scale:1:138	Project Number4585-17-006	CompanyS&ME	Figure
	LocationB-17 (Cell 4)	File Name_B-17 with Rip Rap.slmd	Date5/3/2018	

Project: PO-169
 Project #: 4585-17-006
 Location: B-17 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	90
2	4	8	-5.5	-9.5	90	0	90
3	8	18	-9.5	-19.5	105	0	200
4	18	30	-19.5	-31.5	115	0	900
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 7$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 630.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 8$ ft
 $T/B = 0.320$ (-)
 $C2/C1 = 2.2$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 336.00$ lb/ft per foot of embankment

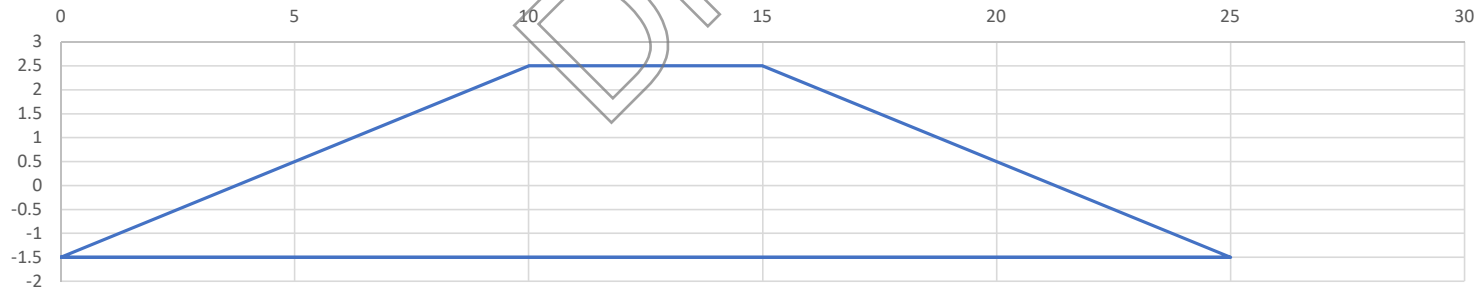
$FS = 1.88$
 Pass

Embankment Dimensions:

Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

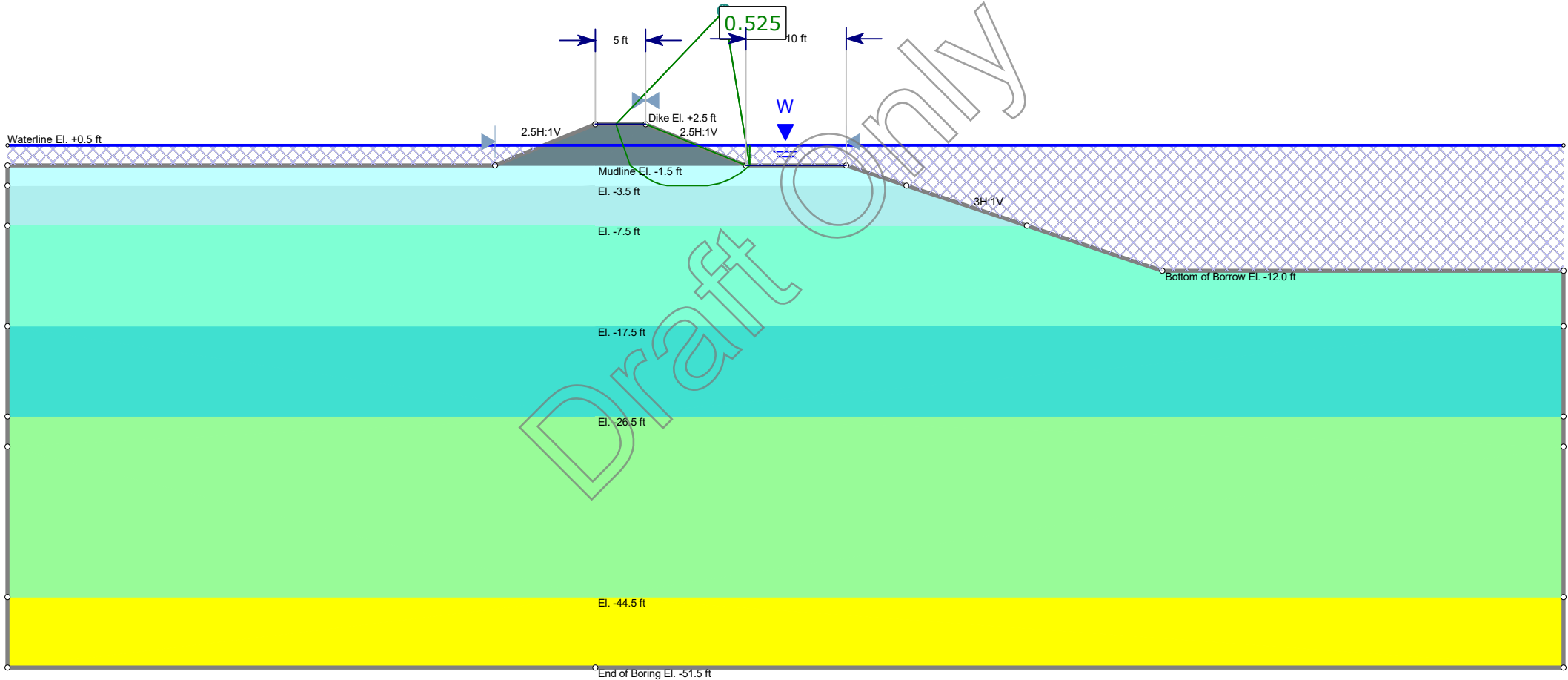
Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb



DRAFT

60
40
20
0
-20
-40
-60

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material (Rip Rap)	<div></div>	140	0	35
Very Soft Black Organic Clay (OH)	<div></div>	80	30	0
Very Soft Black and Gray Fat Clay (CH)	<div></div>	80	60	0
Very Soft Gray Clay	<div></div>	110	160	0
Very Soft to Medium Gray Lean Clay (CL)	<div></div>	110	300	0
Medium to Stiff Gray Fat Clay (CH)	<div></div>	120	1000	0
Loose to Dense Gray Clayey Sand (SC)	<div></div>	120	0	30



Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization				
Analysis			Containment Dike Stability (Rip Rap)		Description		Without Geogrid - Dike Only		
Scale:		1:170	Project Number		4585-17-006		Company		S&ME
Location		B-18/C-20 (Cell 4)	File Name		_B-18 and C-20 with Rip Rap.slmd		Date		4/25/2018

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-18/C-20 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	30
2	2	6	-3.5	-7.5	80	0	60
3	6	16	-7.5	-17.5	110	0	160
4	16	28	-17.5	-29.5	110	0	320
5	28	43	-29.5	-44.5	120	0	1000
6	43	50	-44.5	-51.5	120	30	0
7	50		-51.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.080$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 560.00$ lb/ft per foot of embankment

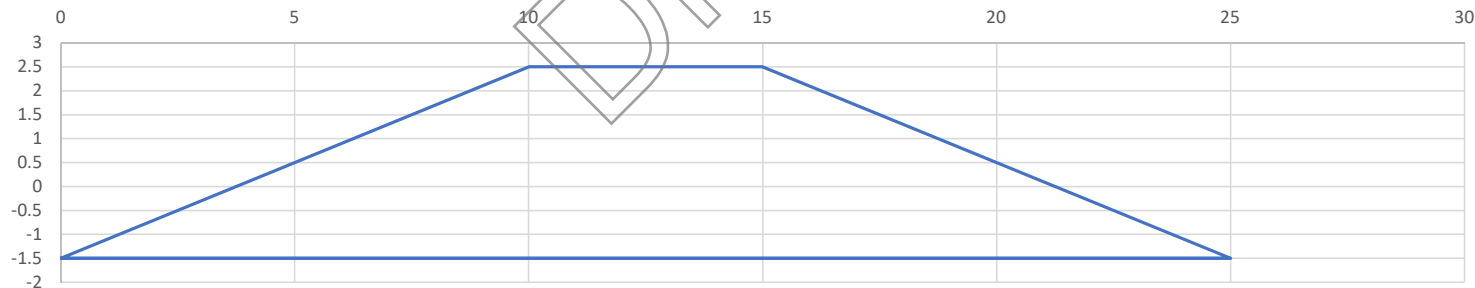
$FS = 0.54$
 Fail

Embankment Dimensions:

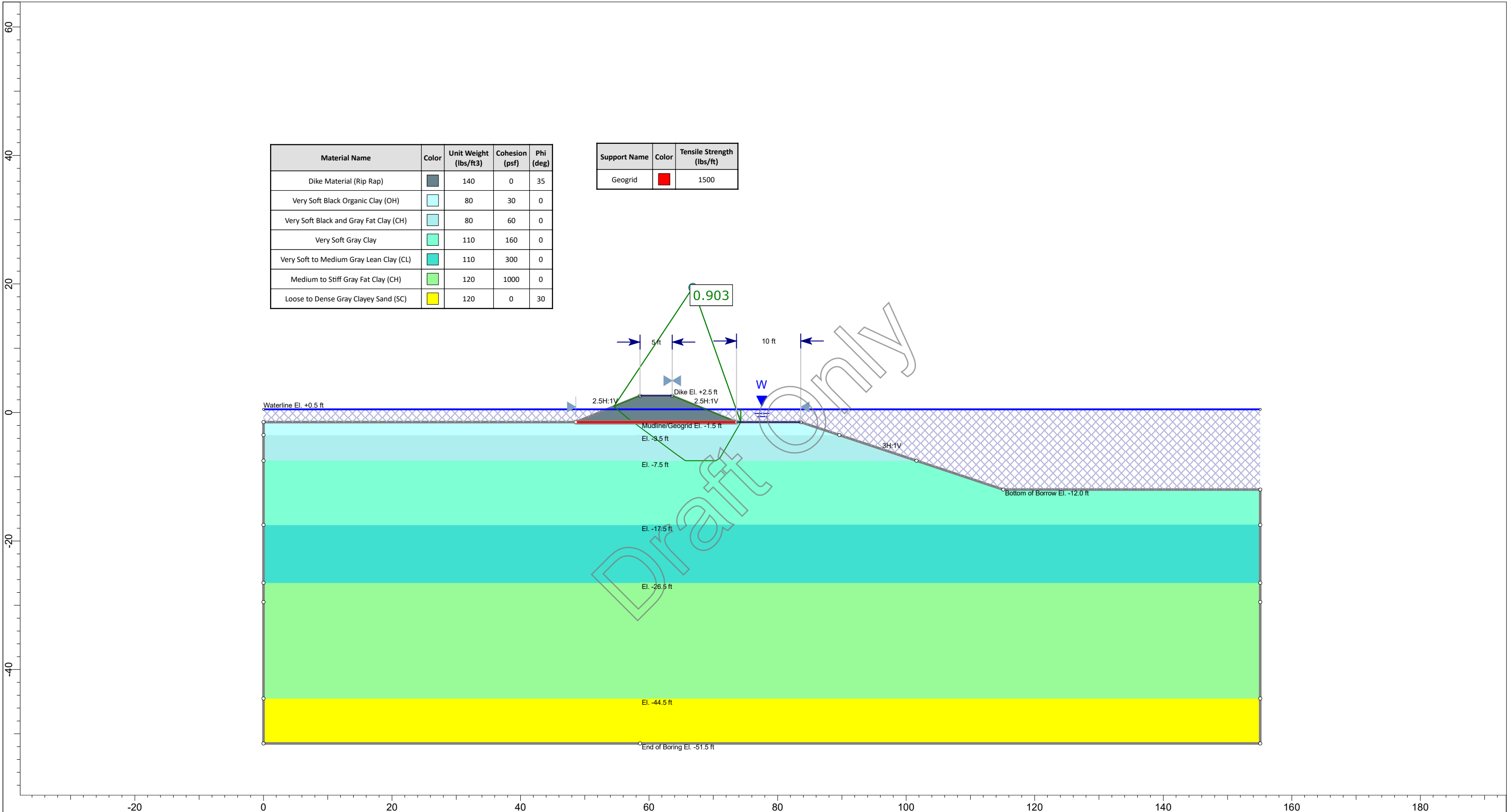
Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb



DRAFT



	Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization								
	Analysis			Containment Dike Stability (Rip Rap)			Description			With Geogrid at Mudline - Dike Only				
	Scale:		1:170		Project Number		4585-17-006		Company		S&ME		Figure	
	Location		B-18/C-20 (Cell 4)		File Name		_B-18 and C-20 with Rip Rap.slmd		Date		4/25/2018		DRAFT	

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-18/C-20 (Cell 4)
 Date: 5/1/2018

ROCK BREAKWATER BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	30
2	2	6	-3.5	-7.5	80	0	60
3	6	16	-7.5	-17.5	110	0	160
4	16	28	-17.5	-29.5	110	0	320
5	28	43	-29.5	-44.5	120	0	1000
6	43	50	-44.5	-51.5	120	30	0
7	50		-51.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.080$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 336.00$ lb/ft per foot of embankment

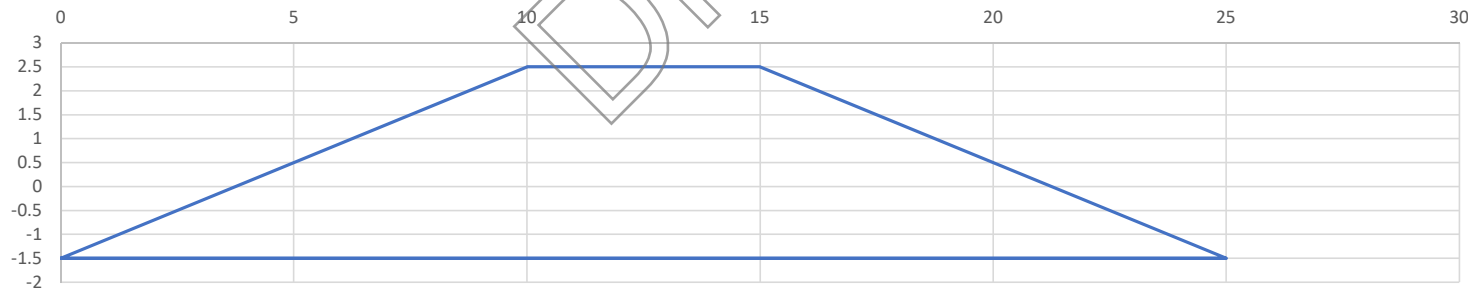
$FS = 0.89$
 Fail

Embankment Dimensions:

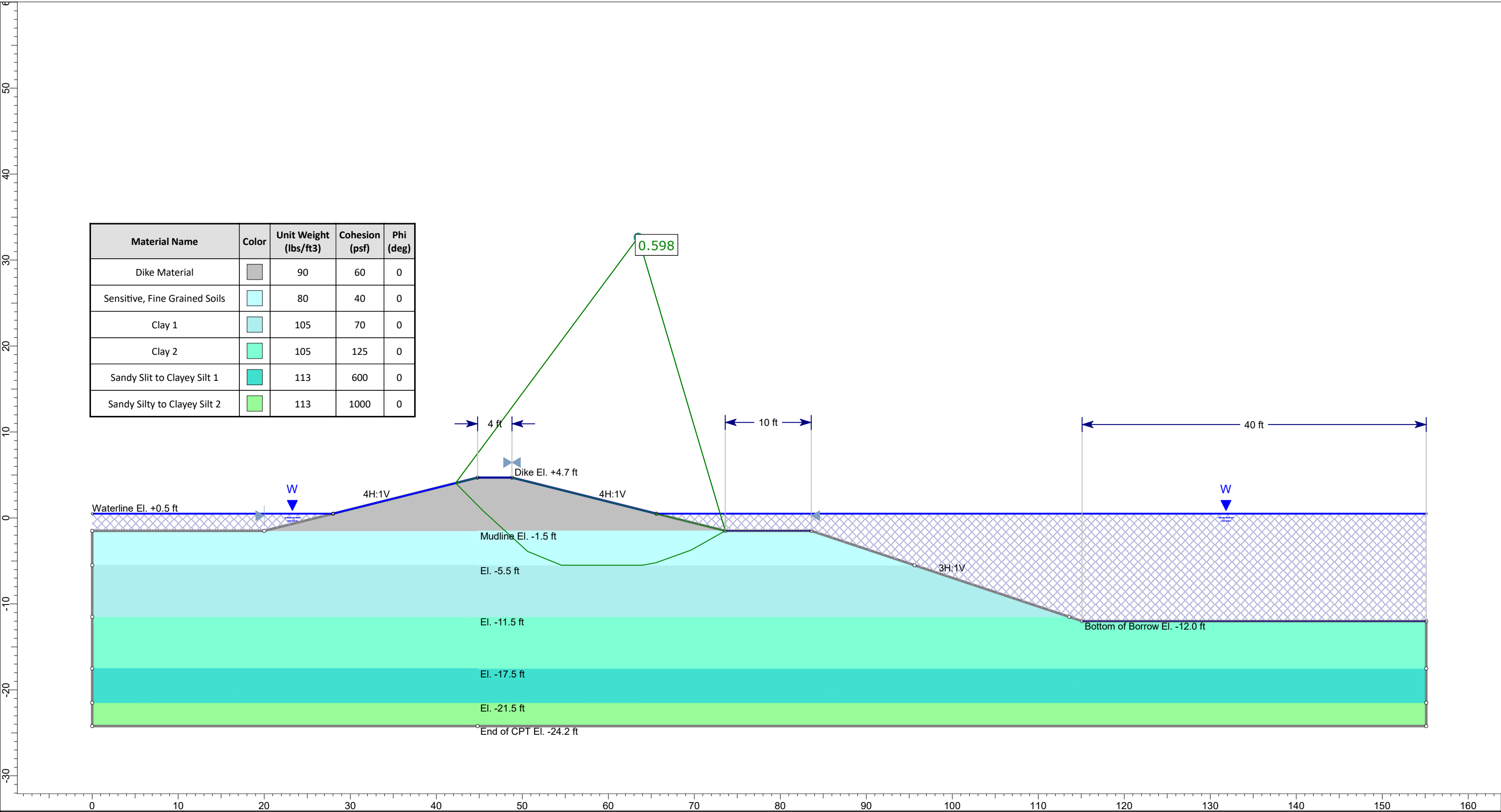
Crest Width: 5 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 2.5 :1
 Base Width: 25 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 140 pcf
 Phi: 35 deg
 Shear Strength: 0 psf
 Emb. Load: 8,400 lb



DRAFT



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Earthen Containment Dike Stability		Description	
Scale:				1:127		Without Geogrid - Dike Only	
Location				C-16 (Cell 4)		Company	
						S&ME	
						Date	
						4/26/2018	
						Figure	

Project: PO-169
 Project #: 4585-17-006
 Location: C-16 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	10	-5.5	-11.5	105	0	70
3	10	16	-11.5	-17.5	105	0	125
4	16	20	-17.5	-21.5	113	0	600
5	20	22.7	-21.5	-24.2	113	0	700
6	22.7		-24.2	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 360.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 1.8$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

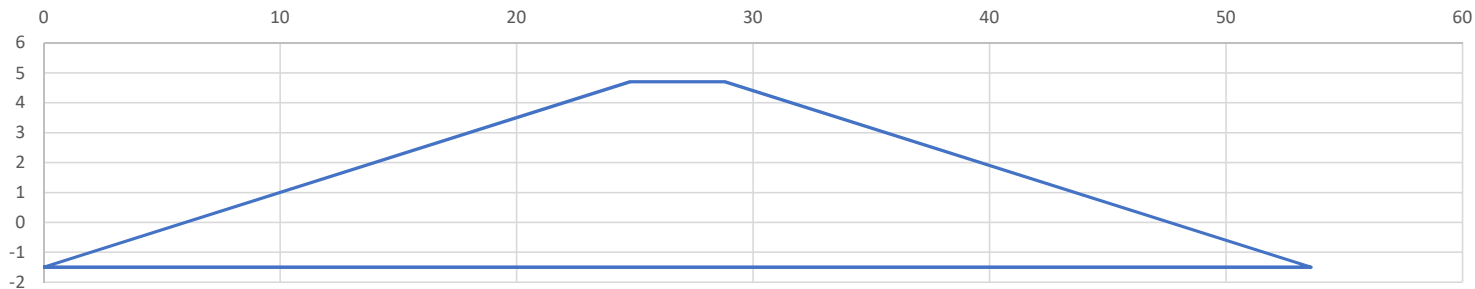
$FS = 0.65$
 Fail

Embankment Dimensions:

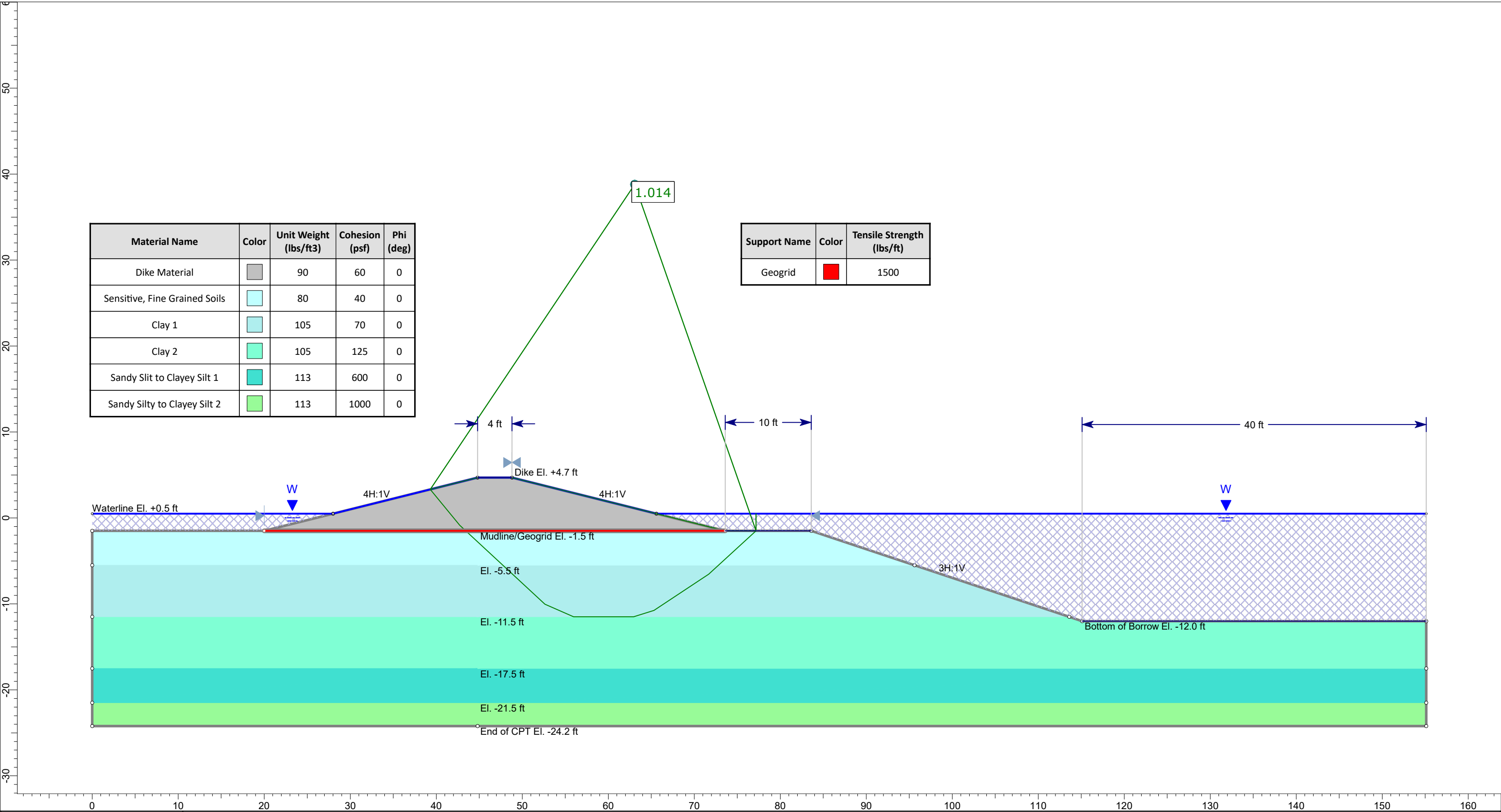
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT



Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Earthen Containment Dike Stability		Description	
Scale:				1:127		With Geogrid at Mudline - Dike Only	
Location				C-16 (Cell 4)		Company	
						S&ME	
						Date	
						4/26/2018	
						Figure	
						DRAFT	

Project: PO-169
 Project #: 4585-17-006
 Location: C-16 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	40
2	4	10	-5.5	-11.5	105	0	70
3	10	16	-11.5	-17.5	105	0	125
4	16	20	-17.5	-21.5	113	0	600
5	20	22.7	-21.5	-24.2	113	0	700
6	22.7		-24.2	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 360.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 1.8$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

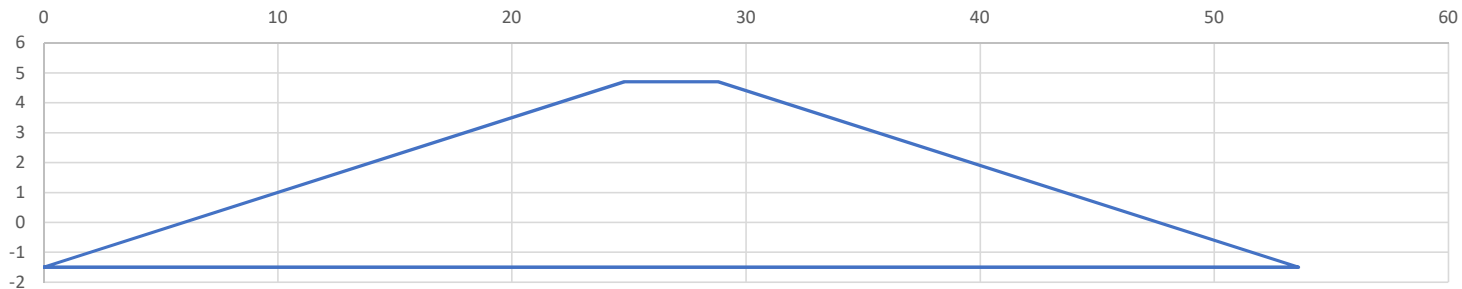
$FS = 1.20$
 Fail

Embankment Dimensions:

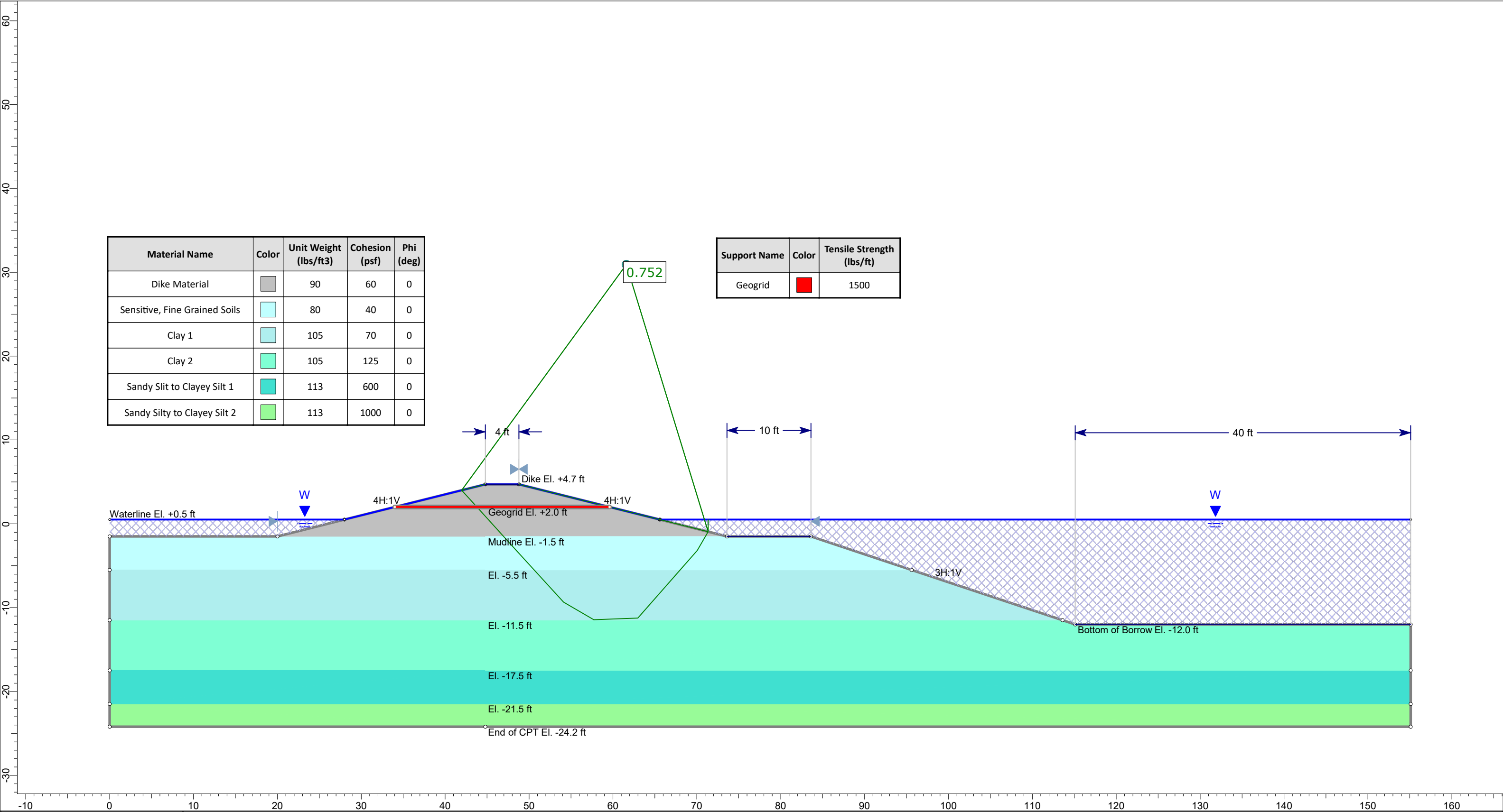
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb

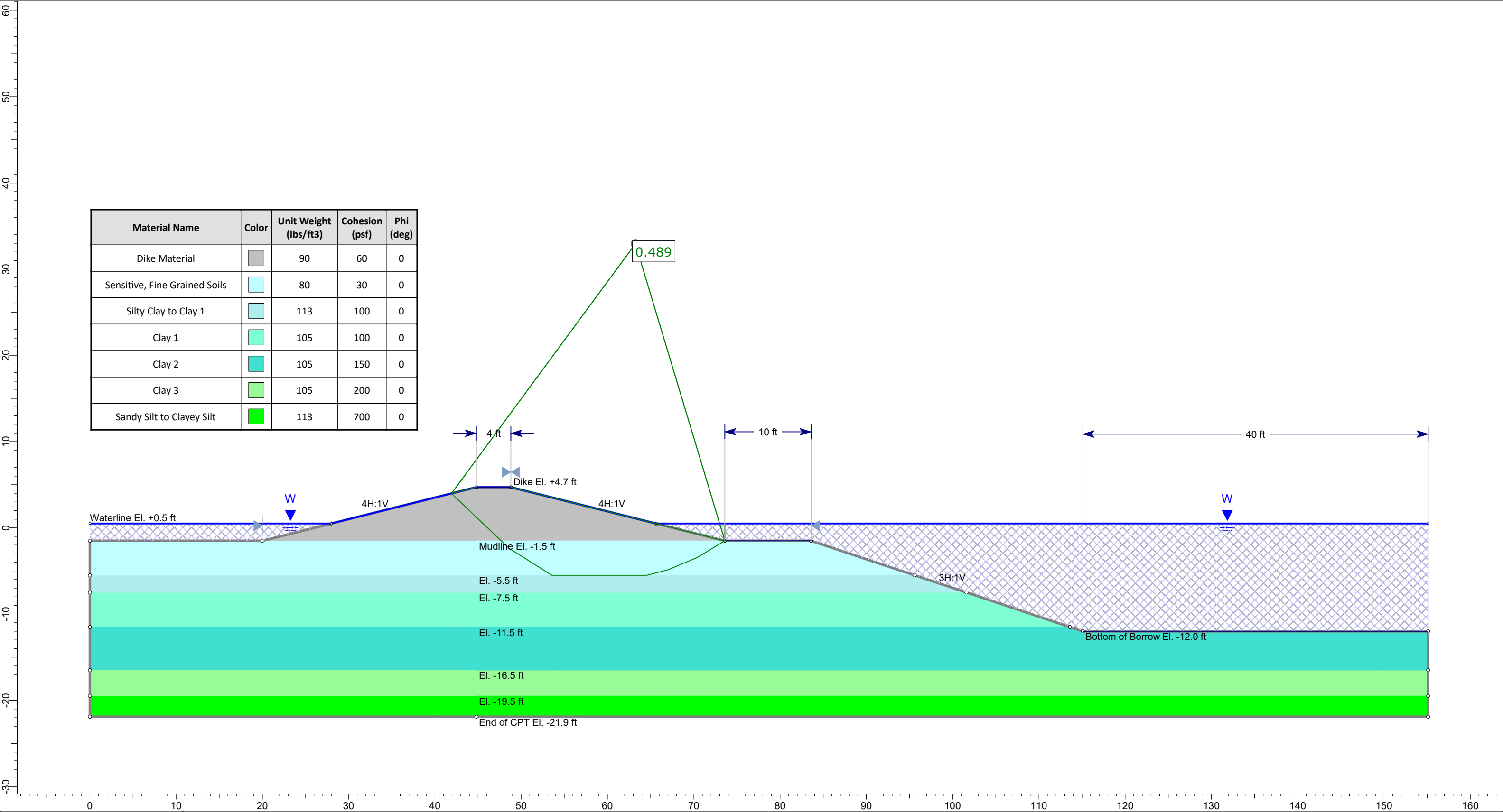


DRAFT



		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization	
AnalysisEarthren Containment Dike Stability		DescriptionWith Geogrid at Elevation +2.0 ft - Dike Only	
Scale:1:130	Project Number4585-17-006	CompanyS&ME	Figure
LocationC-16 (Cell 4)	File Name_C-16.slmd	Date4/26/2018	

DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Sensitive, Fine Grained Soils		80	30	0
Silty Clay to Clay 1		113	100	0
Clay 1		105	100	0
Clay 2		105	150	0
Clay 3		105	200	0
Sandy Silt to Clayey Silt		113	700	0

	Project			
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
	Analysis		Earthmen Containment Dike Stability	
	Description		Without Geogrid - Dike Only	
	Scale:		1:127	
Project Number		4585-17-006		Company
Location		File Name		S&ME
C-18 (Cell 4)		_C-18.slmd		Date
				4/26/2018

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

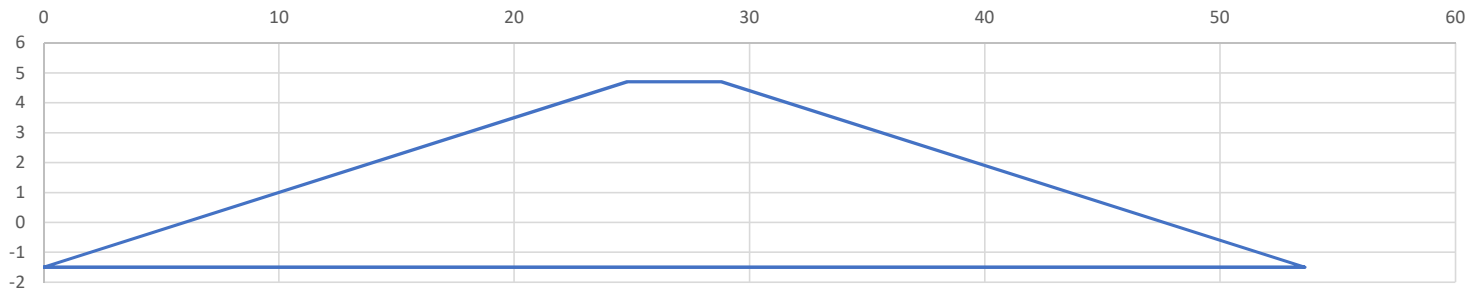
$FS = 0.54$
 Fail

Embankment Dimensions:

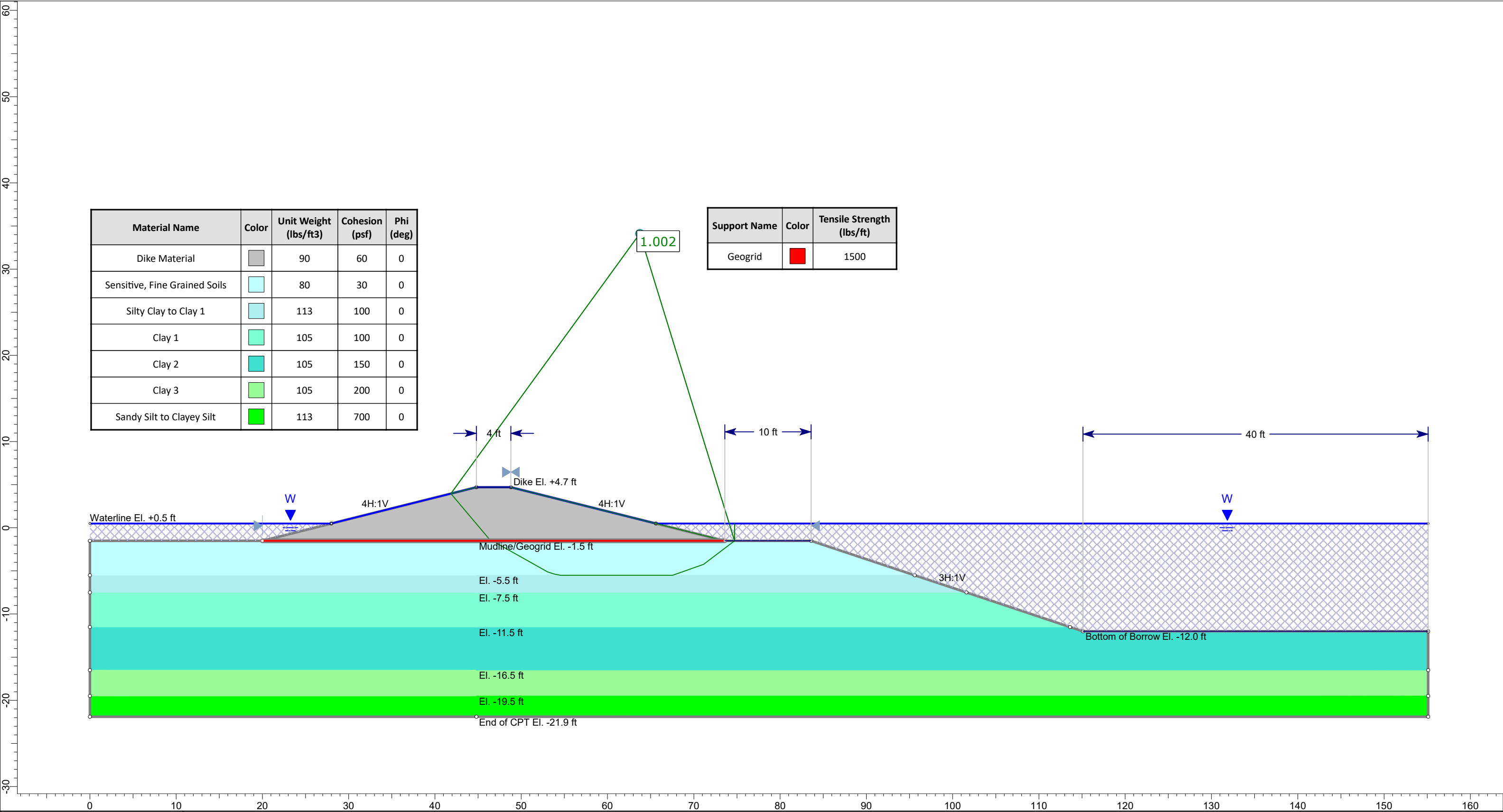
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb




DRAFT



Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Sensitive, Fine Grained Soils		80	30	0
Silty Clay to Clay 1		113	100	0
Clay 1		105	100	0
Clay 2		105	150	0
Clay 3		105	200	0
Sandy Silt to Clayey Silt		113	700	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project																			
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization																			
	Analysis					Earthen Containment Dike Stability					Description					With Geogrid at Mudline - Dike Only				
	Scale:					Project Number					Company					Figure				
	1:127					4585-17-006					S&ME					DRAFT				
Location					File Name					Date										
C-18 (Cell 4)					_C-18.slmd					4/26/2018										

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.075$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

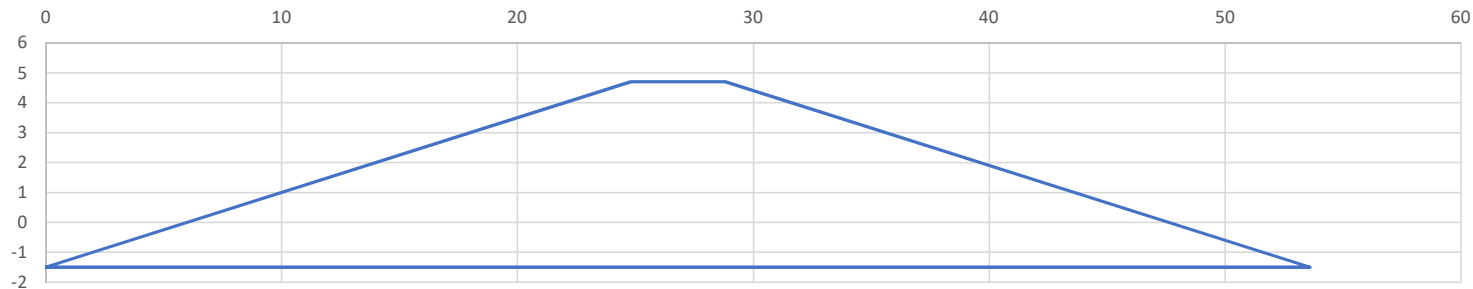
$FS = 1.00$
 Fail

Embankment Dimensions:

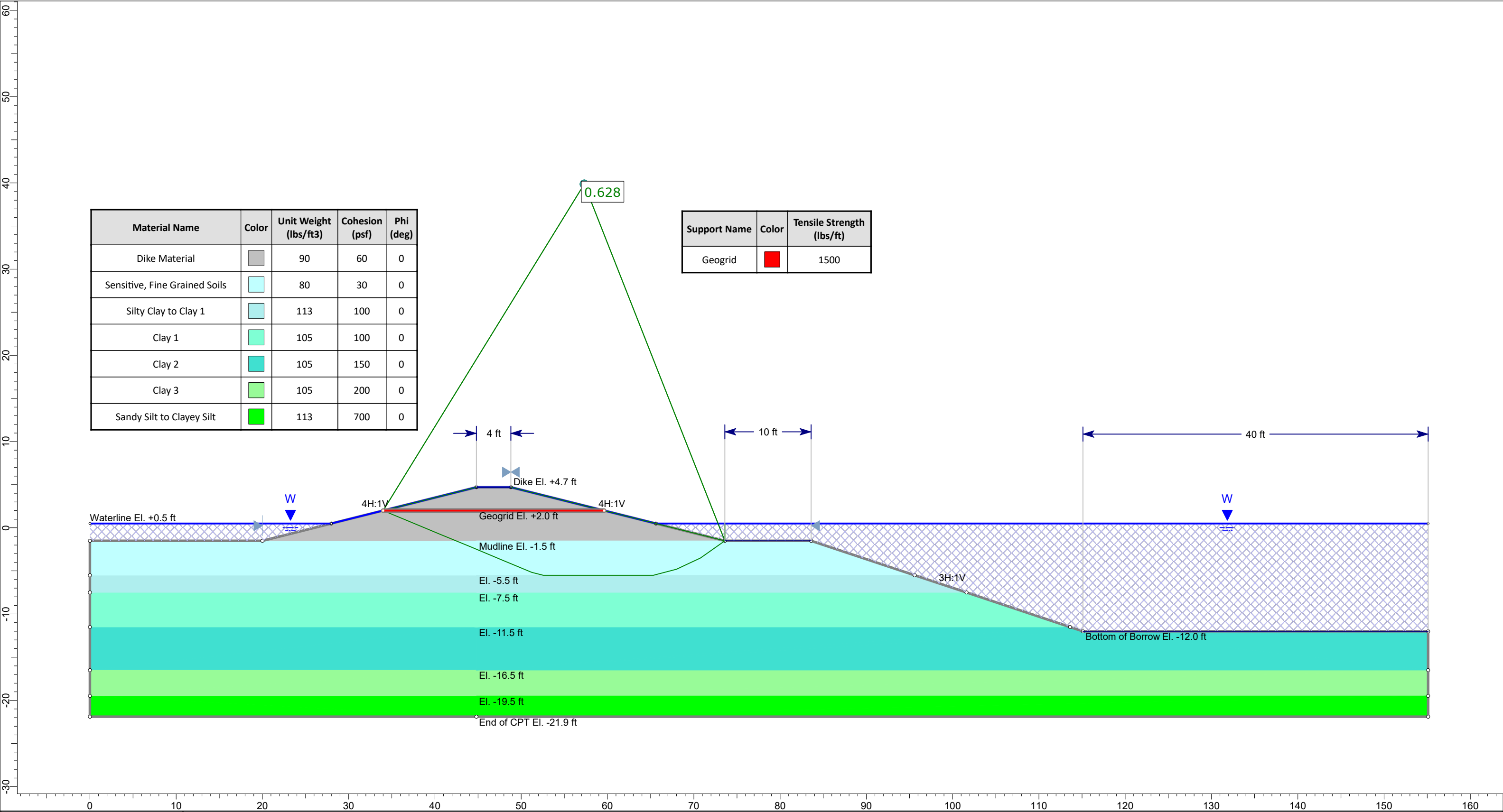
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb




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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Sensitive, Fine Grained Soils		80	30	0
Silty Clay to Clay 1		113	100	0
Clay 1		105	100	0
Clay 2		105	150	0
Clay 3		105	200	0
Sandy Silt to Clayey Silt		113	700	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization								
	Analysis			Earthen Containment Dike Stability			Description			With Geogrid at +2.0 ft - Dike Only				
	Scale:			1:127			Project Number			4585-17-006				
	Location			C-18 (Cell 4)			Company			S&ME				
SLIDEINTERPRET 7.031			File Name			_C-18.slmd			Date			4/26/2018		

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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.083$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 495.00$ lb/ft per foot of embankment

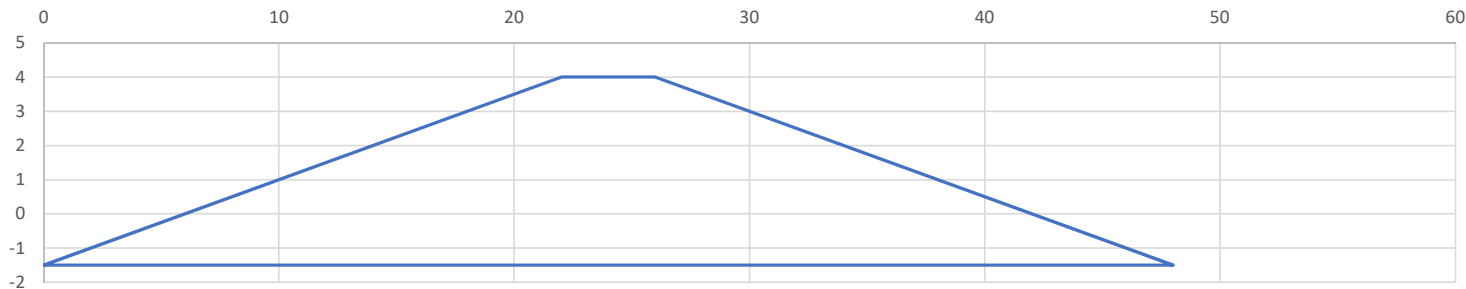
$FS = 0.61$
 Fail

Embankment Dimensions:

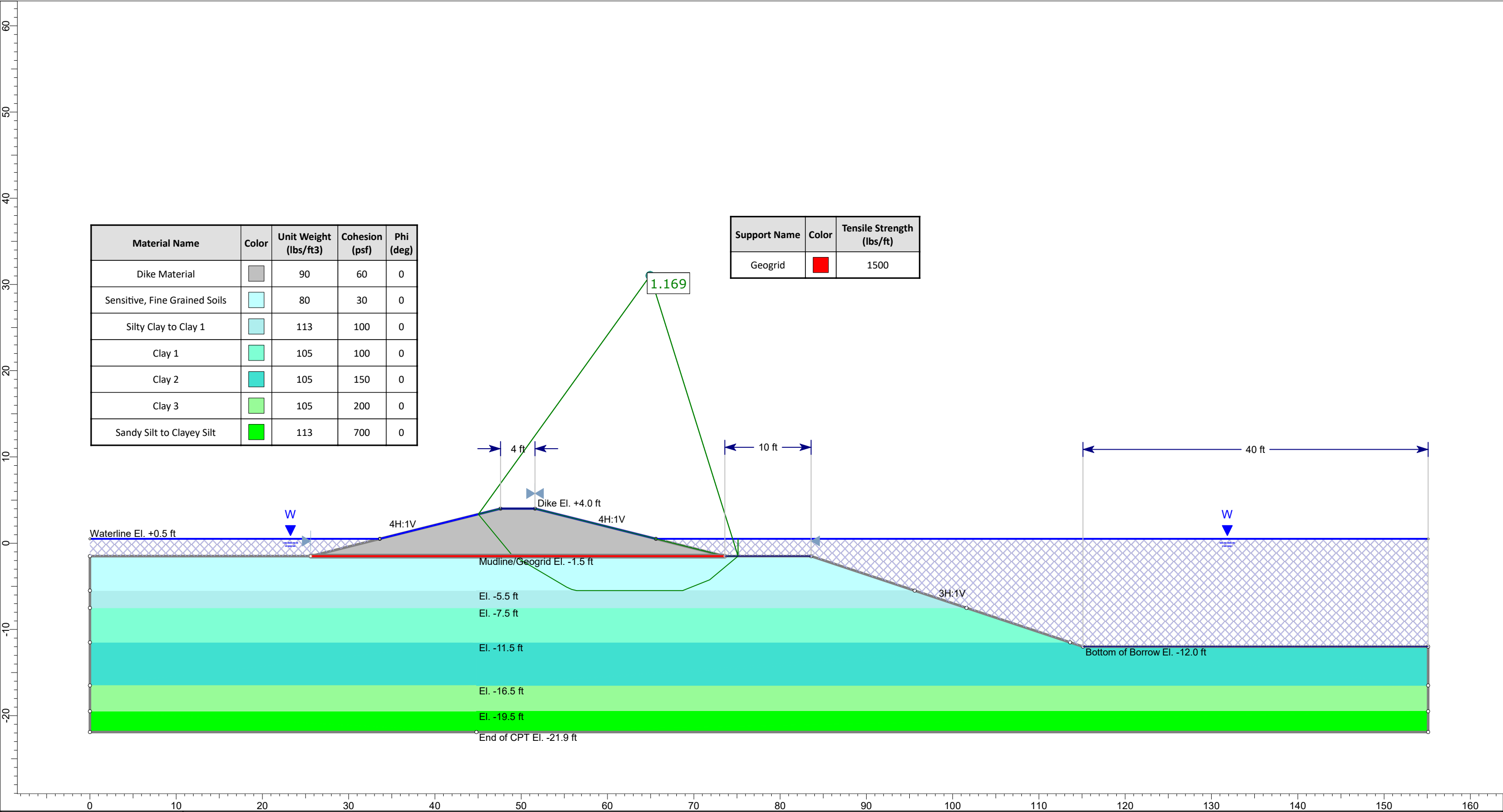
Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 12,870 lb



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Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis				Earthen Containment Dike Stability		Description	
Scale:				1:127		Dike Elevation 4.0', with Geogrid at Mudline - Dike Only	
Location				C-18 (Cell 4)		Company	
						S&ME	
						Date	
						5/3/2018	
						Figure	

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.083$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 268.13$ lb/ft per foot of embankment

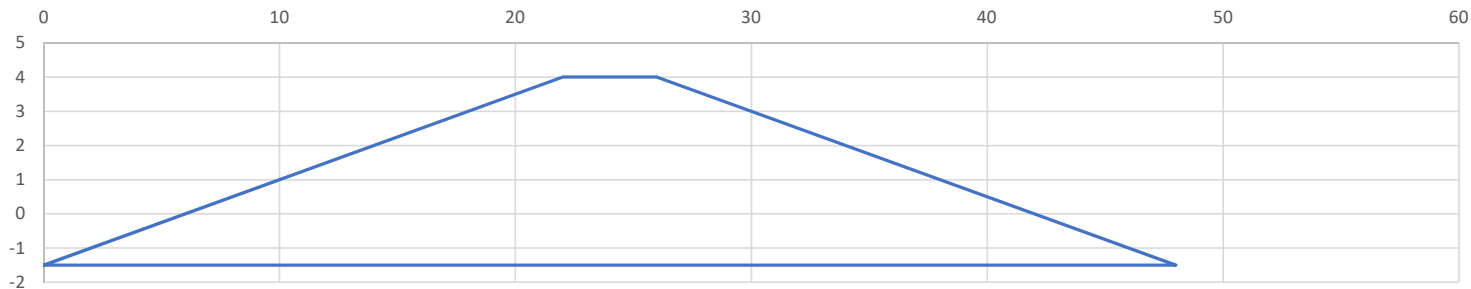
$FS = 1.12$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 4 :1
 Base Width: 48 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 12,870 lb



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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.091$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 450.00$ lb/ft per foot of embankment

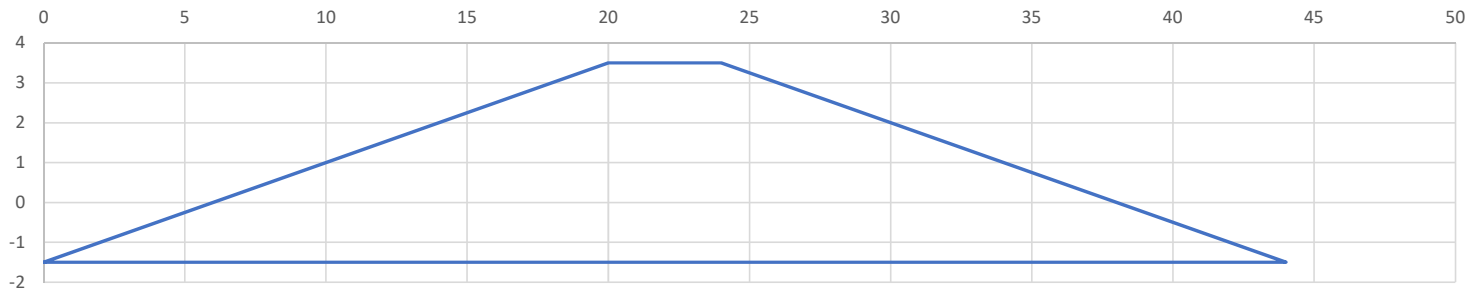
$FS = 0.67$
 Fail

Embankment Dimensions:

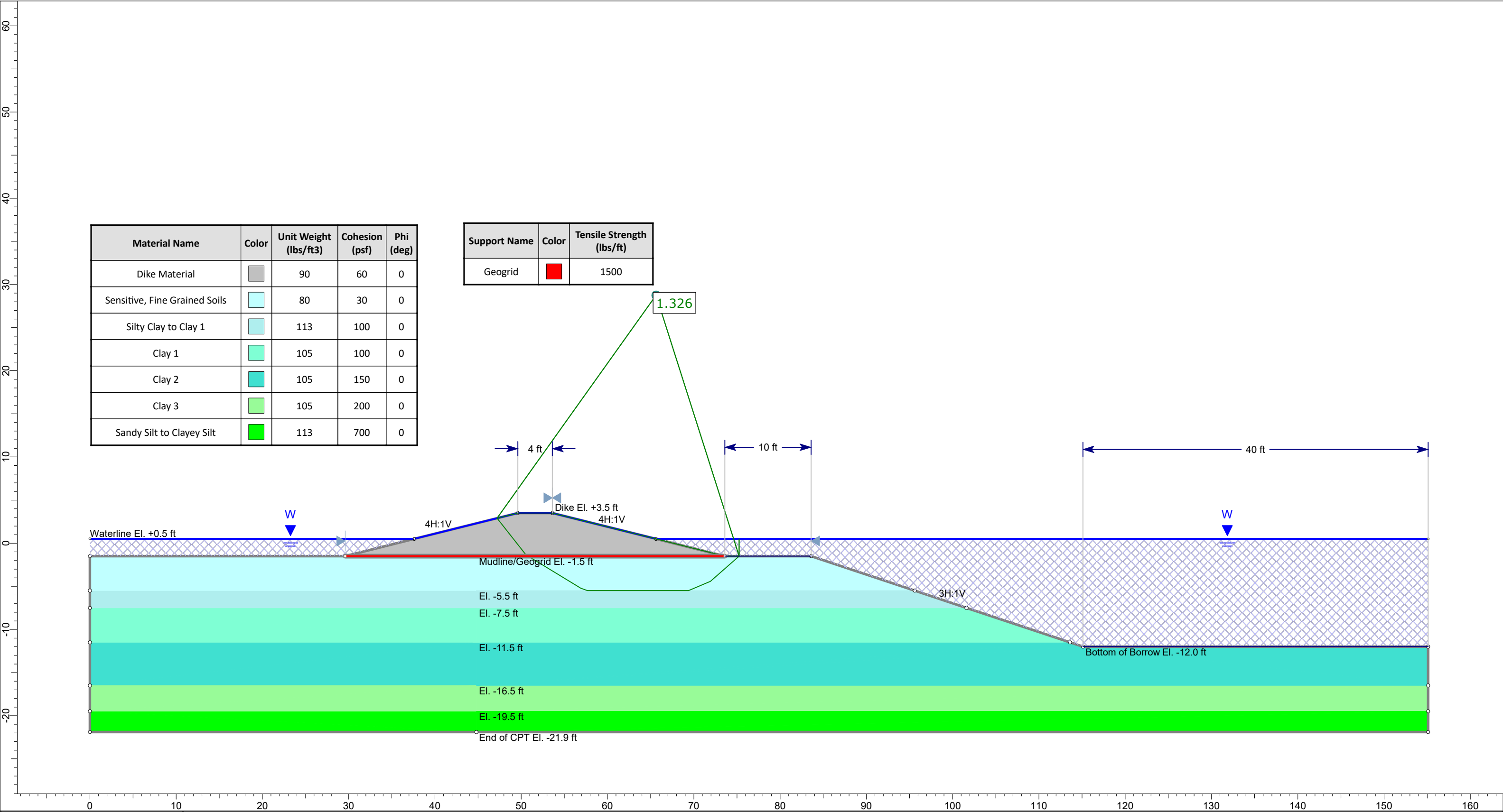
Crest Width: 4 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 4 :1
 Base Width: 44 ft
 *trapezoidal


Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 10,800 lb



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	Project																			
	New Orleans Landbridge Marsh Creation and Shoreline Stabilization																			
	Analysis					Earthen Containment Dike Stability					Description					Dike Elevation 3.5', With Geogrid at Mudline - Dike Only				
	Scale:					Project Number					Company					Figure				
	1:127					4585-17-006					S&ME					DRAFT				
Location					File Name					Date										
C-18 (Cell 4)					_C-18.slmd					5/3/2018										

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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.091$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 245.45$ lb/ft per foot of embankment

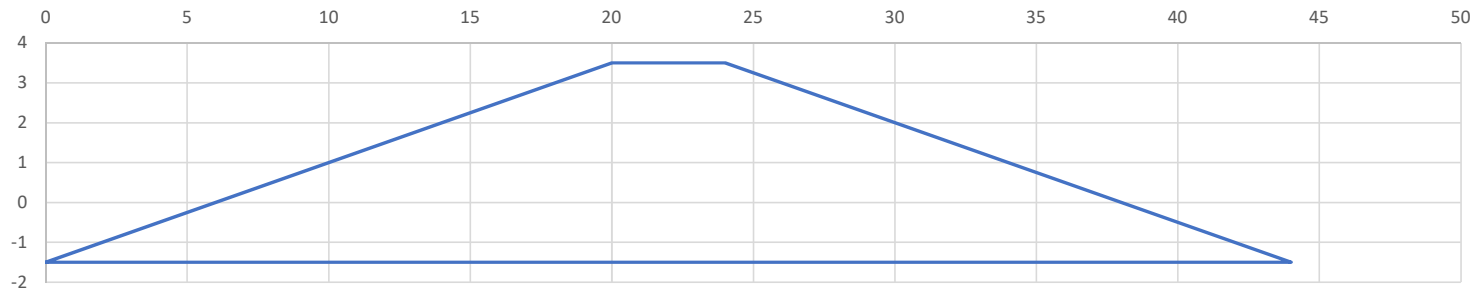
$FS = 1.22$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 4 :1
 Base Width: 44 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 10,800 lb



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Figure

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.143$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 270.00$ lb/ft per foot of embankment

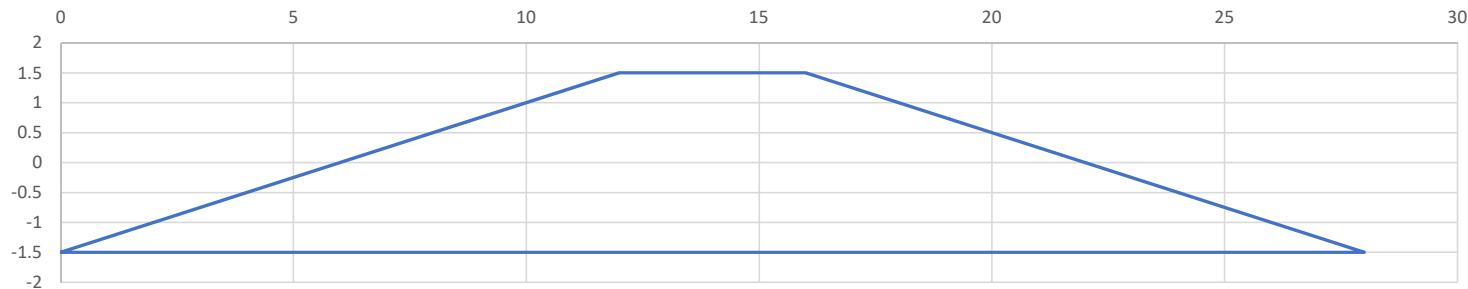
$FS = 1.11$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 4 :1
 Base Width: 28 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 4,320 lb



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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.143$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 154.29$ lb/ft per foot of embankment

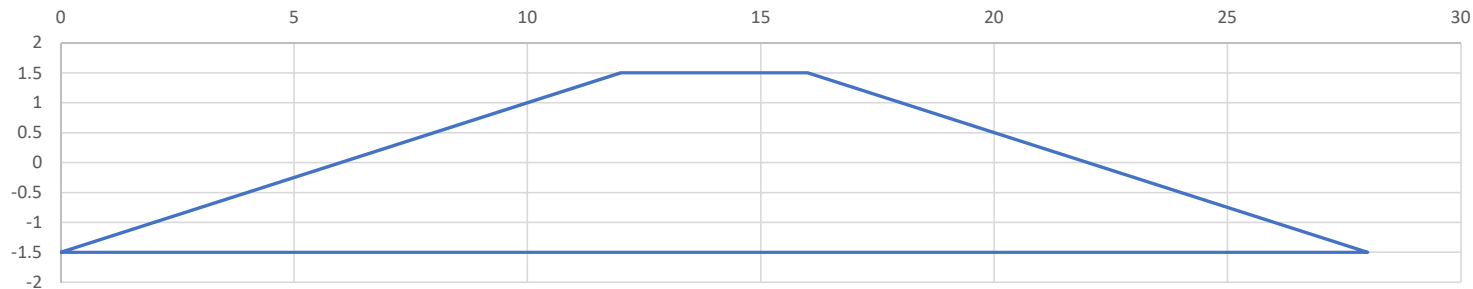
$FS = 1.94$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 1.5 ft
 Height: 3 ft
 Side Slope: 4 :1
 Base Width: 28 ft
 *trapezoidal

Embankment Properties:

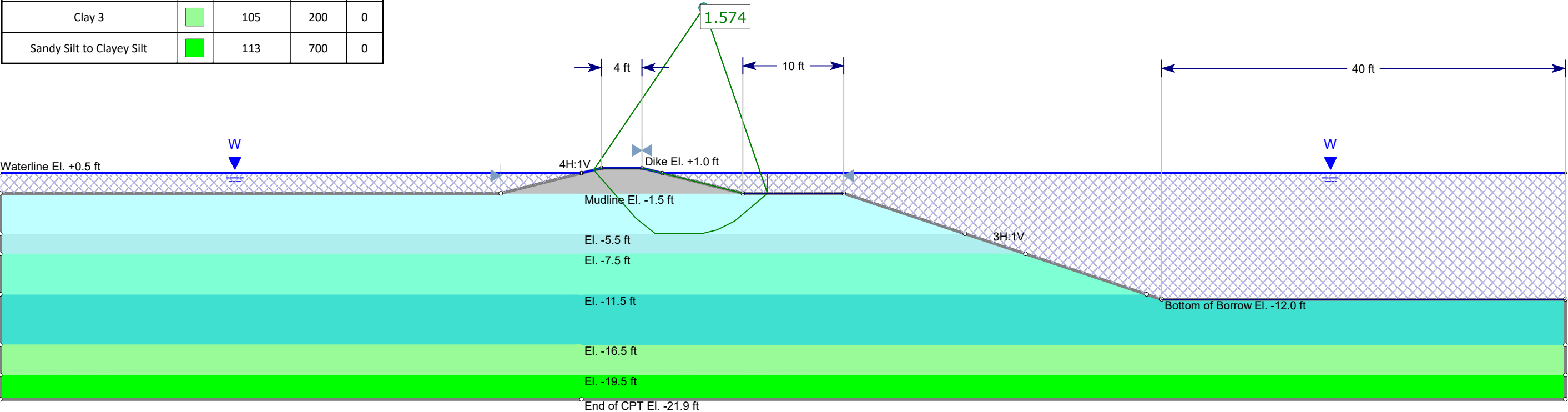
Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 4,320 lb



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60
50
40
30
20
10
0
-10
-20
-30

Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material	<div></div>	90	60	0
Sensitive, Fine Grained Soils	<div></div>	80	30	0
Silty Clay to Clay 1	<div></div>	113	100	0
Clay 1	<div></div>	105	100	0
Clay 2	<div></div>	105	150	0
Clay 3	<div></div>	105	200	0
Sandy Silt to Clayey Silt	<div></div>	113	700	0



Project										New Orleans Landbridge Marsh Creation and Shoreline Stabilization																													
Analysis					Earthen Containment Dike Stability					Description					Dike Elevation +1.0', Without Geogrid - Dike Only																								
Scale:					1:127					Project Number					4585-17-006					Company					S&ME					Figure					II-14A				
Location					C-18 (Cell 4)					File Name					_C-18.slmd					Date					5/3/2018														

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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.167$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 225.00$ lb/ft per foot of embankment

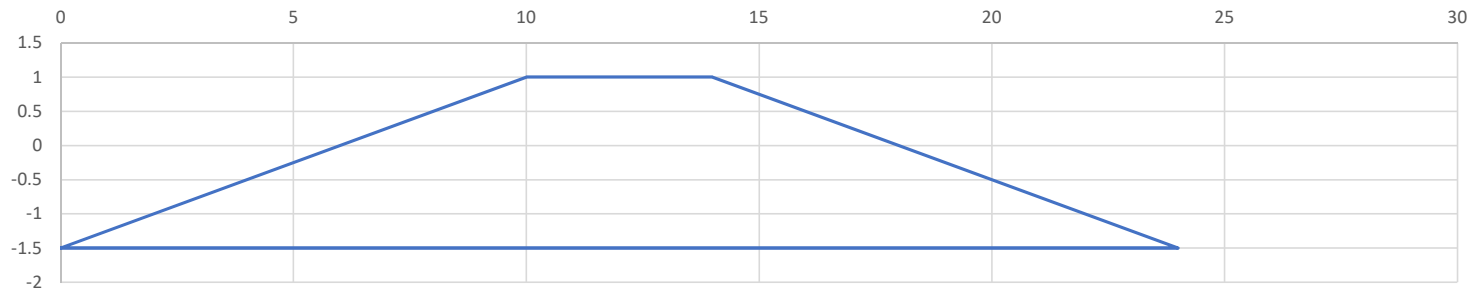
$FS = 1.33$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 1 ft
 Height: 2.5 ft
 Side Slope: 4 :1
 Base Width: 24 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 3,150 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.167$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 131.25$ lb/ft per foot of embankment

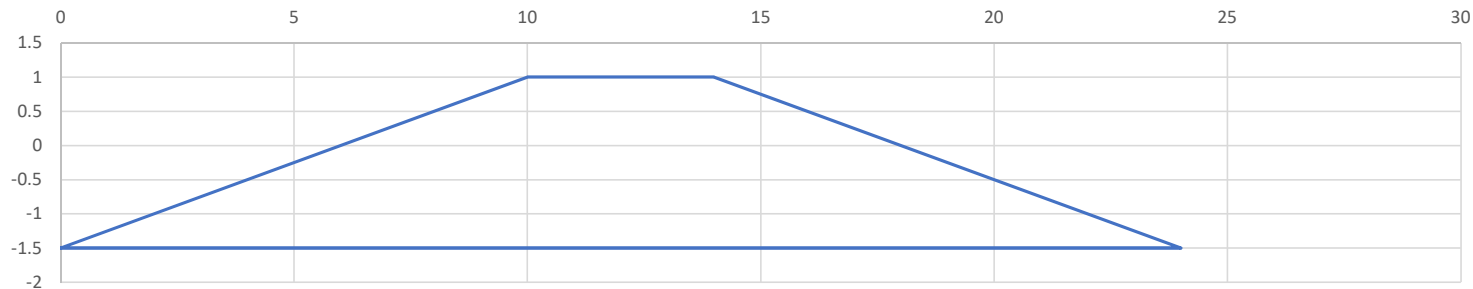
$FS = 2.29$
 Pass

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 1 ft
 Height: 2.5 ft
 Side Slope: 4 :1
 Base Width: 24 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 3,150 lb



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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.068$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 264.28$ lb/ft per foot of embankment

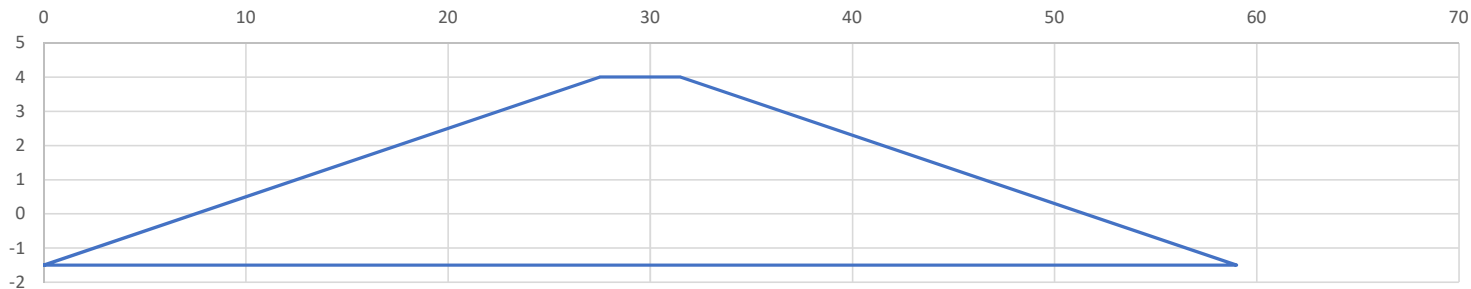
$FS = 1.14$
 Fail

Embankment Dimensions:

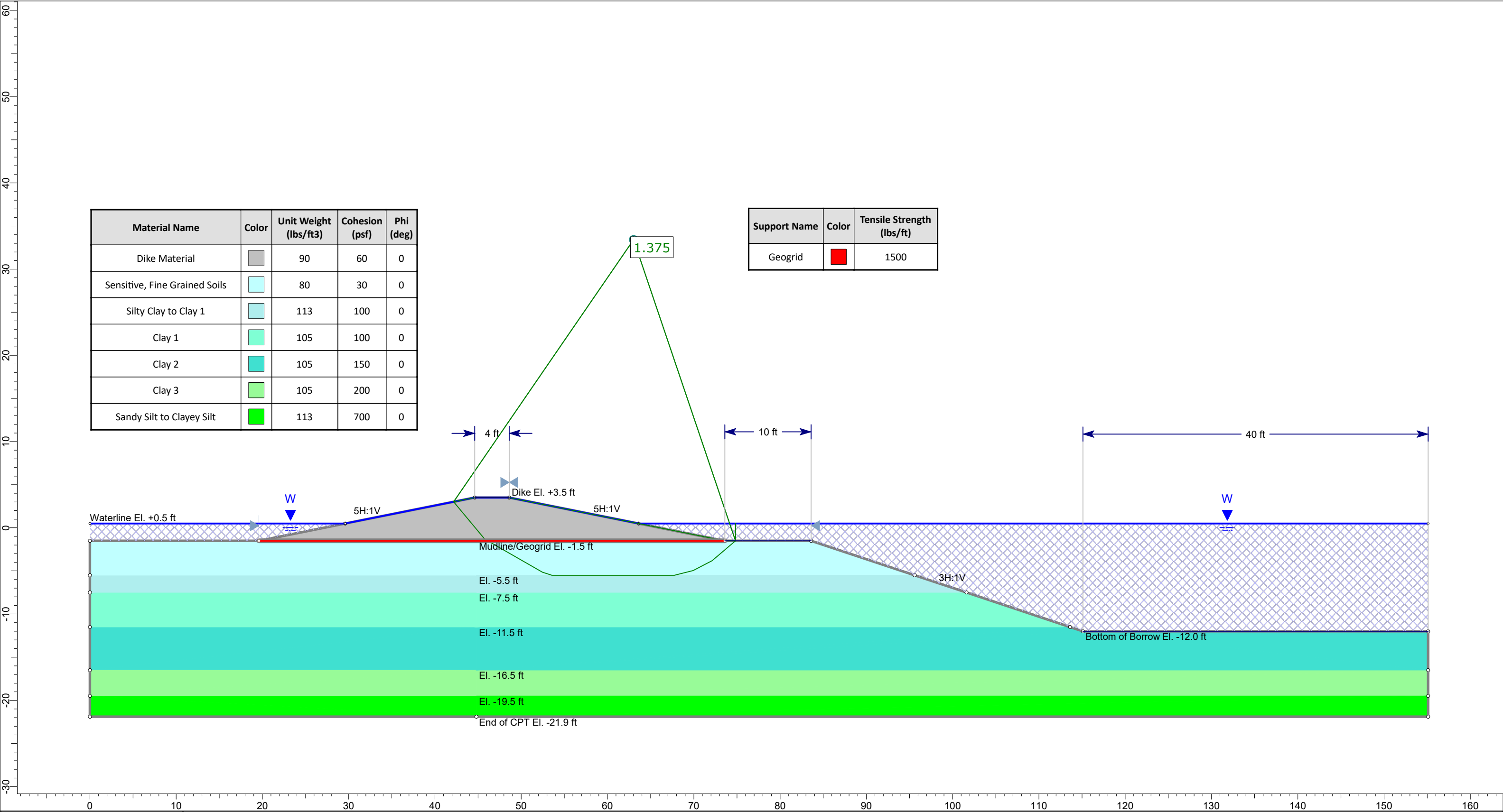
Crest Width: 4 ft
 Crest El.: 4 ft
 Height: 5.5 ft
 Side Slope: 5 :1
 Base Width: 59 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 15,593 lb




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Material Name	Color	Unit Weight (lbs/ft3)	Cohesion (psf)	Phi (deg)
Dike Material		90	60	0
Sensitive, Fine Grained Soils		80	30	0
Silty Clay to Clay 1		113	100	0
Clay 1		105	100	0
Clay 2		105	150	0
Clay 3		105	200	0
Sandy Silt to Clayey Silt		113	700	0

Support Name	Color	Tensile Strength (lbs/ft)
Geogrid		1500

	Project				New Orleans Landbridge Marsh Creation and Shoreline Stabilization						
	Analysis				Earthen Containment Dike Stability		Description		Geogrid at ML, Dike at 3.5' - Dike Only		
	Scale:		1:127		Project Number		4585-17-006		Company		
	Location		C-18 (Cell 4)		File Name		_C-18 5H1V.slmd		Date		
									S&ME		
								Figure		5/3/2018	

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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.074$ (-)
 $C2/C1 = 3.3$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 241.67$ lb/ft per foot of embankment

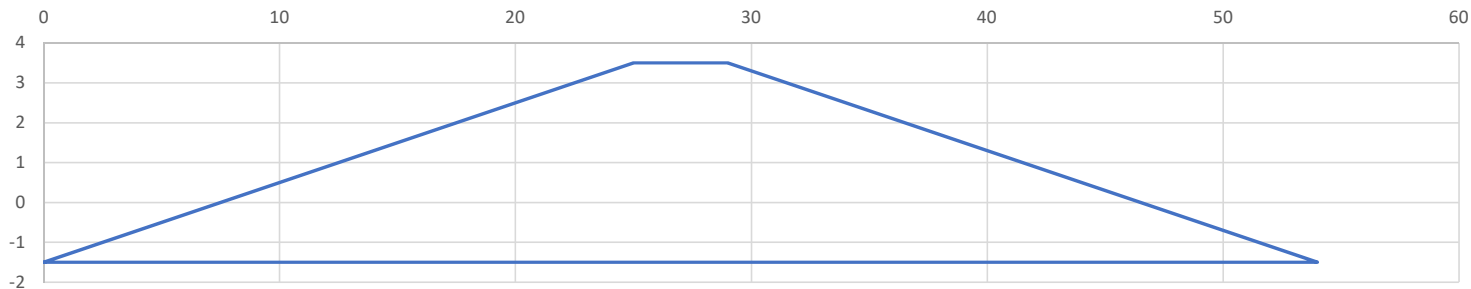
$FS = 1.24$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 3.5 ft
 Height: 5 ft
 Side Slope: 5 :1
 Base Width: 54 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 13,050 lb



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Project: PO-169
 Project #: 4585-17-006
 Location: C-18 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:

$$q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	30
2	4	6	-5.5	-7.5	113	0	100
3	6	10	-7.5	-11.5	105	0	100
4	10	15	-11.5	-16.5	105	0	150
5	15	18	-16.5	-19.5	105	0	200
6	18	20.4	-19.5	-21.9	113	0	700
7	20.4		-21.9	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors:

$N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 4$ ft
 $T/B = 0.091$ (-)
 $C2/C1 = 3.3$ (-)

$q_{ult} = 300.00$ psf

Factor of Safety:

$$FS = q_{ult} / q_{allow}$$

$FS > 1.5$

$\Delta\sigma = 196.36$ lb/ft per foot of embankment

$FS = 1.53$
 Pass

Embankment Dimensions:

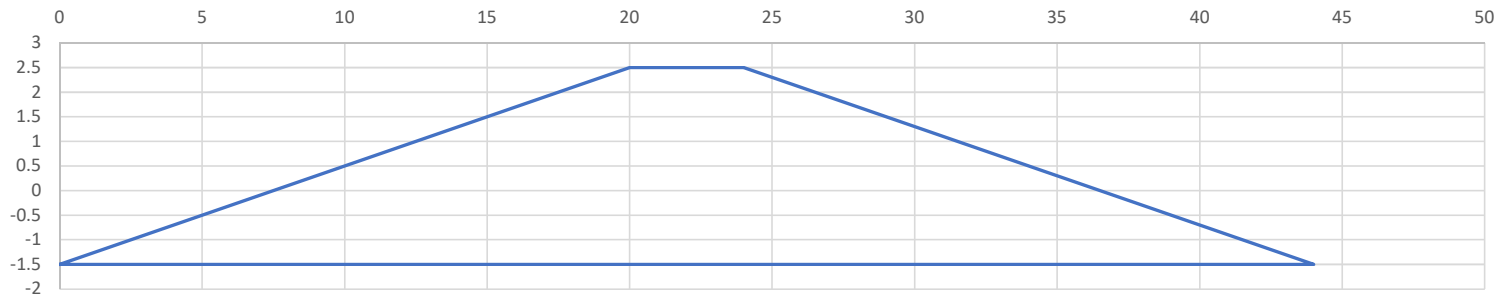
Crest Width: 4 ft
 Crest El.: 2.5 ft
 Height: 4 ft
 Side Slope: 5 :1
 Base Width: 44 ft

*trapezoidal

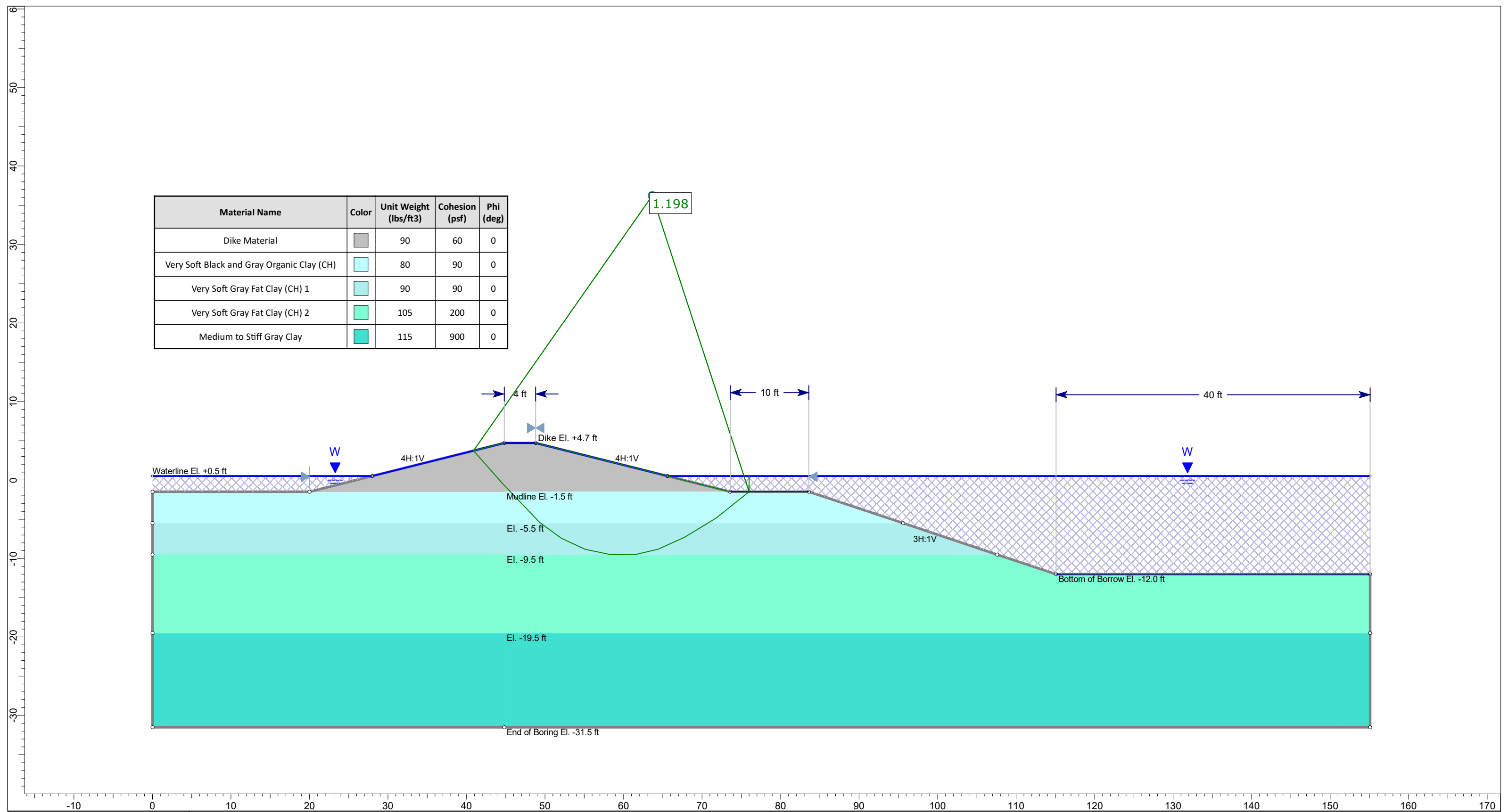
Embankment Properties:


Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf

Emb. Load: 8,640 lb



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 <small>SLIDEINTERPRET 7.031</small>	Project										New Orleans Landbridge Marsh Creation and Shoreline Stabilization																													
	Analysis										Containment Dike Stability										Description										Without Geogrid - Dike Only									
	Scale:					1:138					Project Number					4585-17-006					Company					S&ME					Figure									
	Location					B-17					File Name					_B-17.slmd					Date					4/2/2018					DRAFT									

DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-17 (Cell 4)
 Date: 4/17/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	90
2	4	8	-5.5	-9.5	90	0	90
3	8	18	-9.5	-19.5	105	0	200
4	18	30	-19.5	-31.5	115	0	900
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 810.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 8$ ft
 $T/B = 0.149$ (-)
 $C2/C1 = 2.2$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

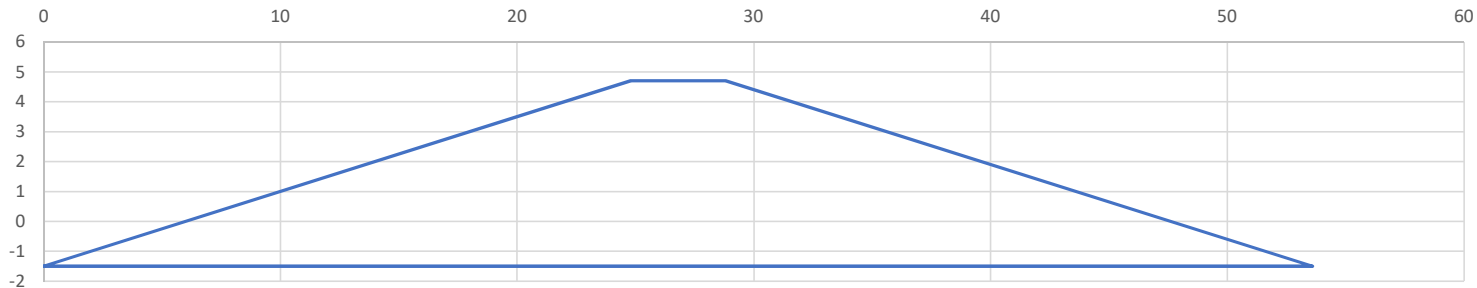
$FS = 1.45$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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Project: PO-169
 Project #: 4585-17-006
 Location: B-17 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	4	-1.5	-5.5	80	0	90
2	4	8	-5.5	-9.5	90	0	90
3	8	18	-9.5	-19.5	105	0	200
4	18	30	-19.5	-31.5	115	0	900
5	30		-31.5	-1.5			
6	0		-1.5	-1.5			
7	0		-1.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 9$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 810.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 8$ ft
 $T/B = 0.149$ (-)
 $C2/C1 = 2.2$ (-)

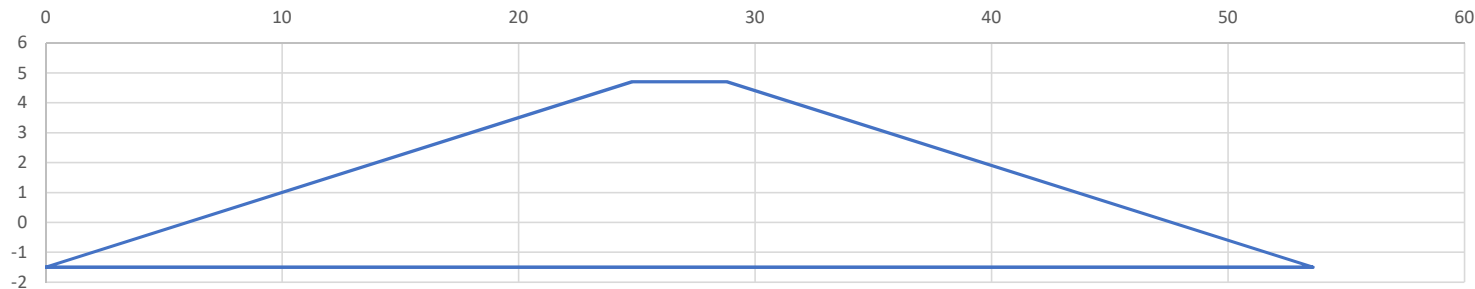
Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

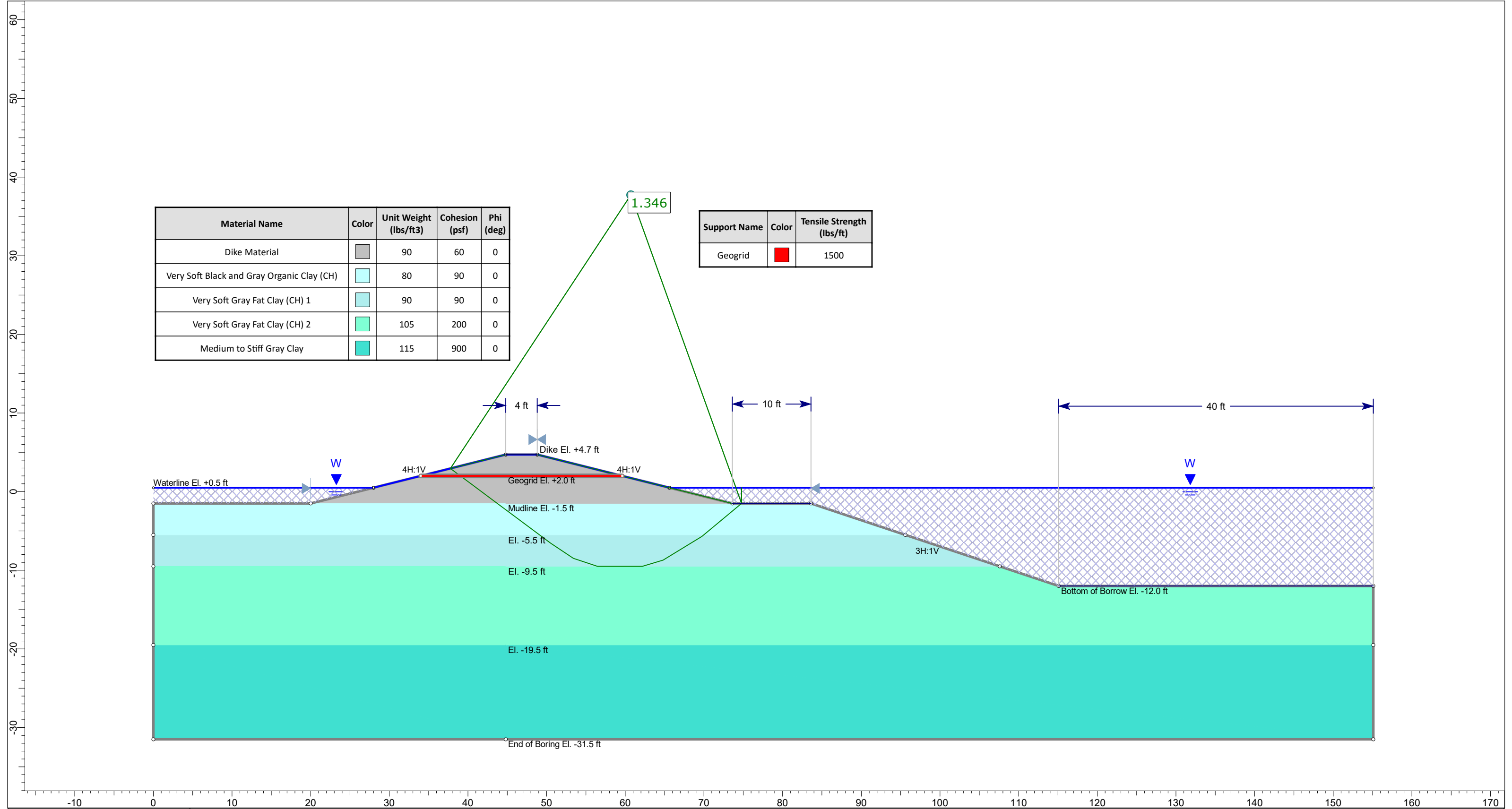
$FS = 2.70$
 Pass

Embankment Dimensions:
 Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:
 Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



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<div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div>		ProjectNew Orleans Landbridge Marsh Creation and Shoreline Stabilization			
Analysis		Containment Dike Stability			DescriptionWith Geogrid at Elevation +2.0 ft - Dike Only
Scale:	1:138	Project Number	4585-17-006	Company	S&ME
Location	B-17	File Name	_B-17.slmd	Date	4/2/2018

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Project: PO-169
 Project #: 4585-17-006
 Location: B-18/C-20 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (without geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	30
2	2	6	-3.5	-7.5	80	0	60
3	6	16	-7.5	-17.5	110	0	160
4	16	28	-17.5	-29.5	110	0	320
5	28	43	-29.5	-44.5	120	0	900
6	43	50	-44.5	-51.5	120	30	0
7	50		-51.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 558.00$ lb/ft per foot of embankment

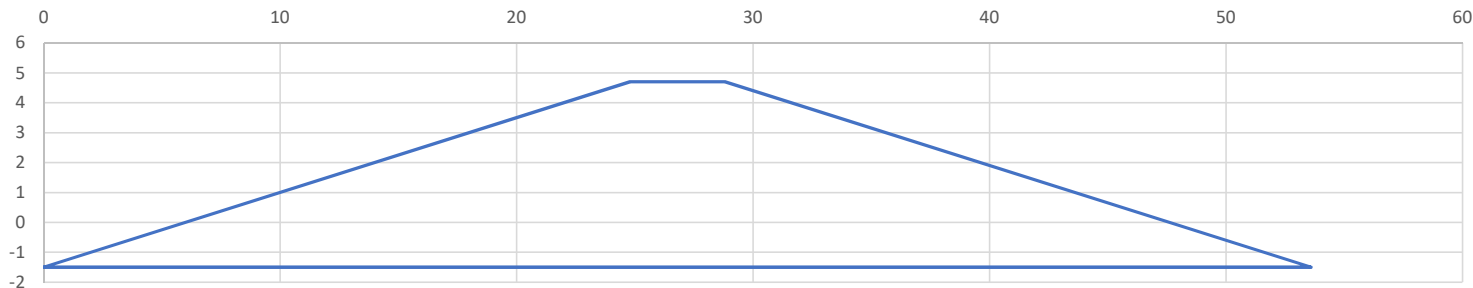
$FS = 0.54$
 Fail

Embankment Dimensions:

Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb



DRAFT

Project: PO-169
 Project #: 4585-17-006
 Location: B-18/C-20 (Cell 4)
 Date: 5/1/2018

EARTHEN DIKE BEARING CAPACITY (with geogrid)

Boring Elevation: -1.5 ft
 GWT Elevation: 0.5 ft

Mudline Elevation: -1.5 ft

Bearing Capacity:
 $q_{ult} = c'N_c + \sigma'_D N_q + 0.5\gamma'BN_\gamma$

Layer #	Depth (ft)		Elevation (ft)		Moist Unit Weight (pcf)	Phi (deg)	Shear Strength (psf)
	Top	Bottom	Top	Bottom			
1	0	2	-1.5	-3.5	80	0	30
2	2	6	-3.5	-7.5	80	0	60
3	6	16	-7.5	-17.5	110	0	160
4	16	28	-17.5	-29.5	110	0	320
5	28	43	-29.5	-44.5	120	0	900
6	43	50	-44.5	-51.5	120	30	0
7	50		-51.5	-1.5			
8	0		-1.5	-1.5			
9	0		-1.5	-1.5			
10	0		-1.5	-1.5			

Factors: $N_c = 10$
 $N_q = 1.00$
 $N_\gamma = 0.00$
 $q_{ult} = 300.00$ psf

$D_f = 0$ ft
 $\gamma' = 17.6$ pcf
 $\sigma'_D = 0$ psf
 $T = 2$ ft
 $T/B = 0.037$ (-)
 $C2/C1 = 2.0$ (-)

Factor of Safety:
 $FS = q_{ult} / q_{allow}$ $FS > 1.5$

$\Delta\sigma = 299.82$ lb/ft per foot of embankment

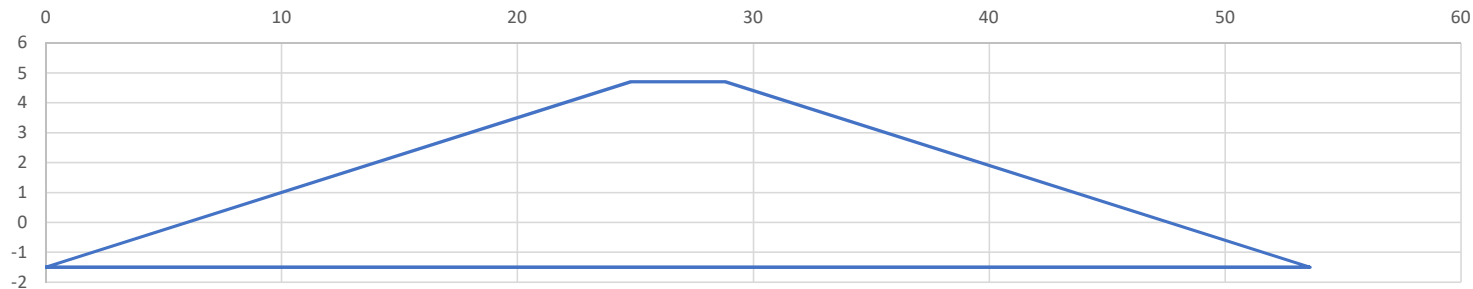
$FS = 1.00$
 Fail

Embankment Dimensions:

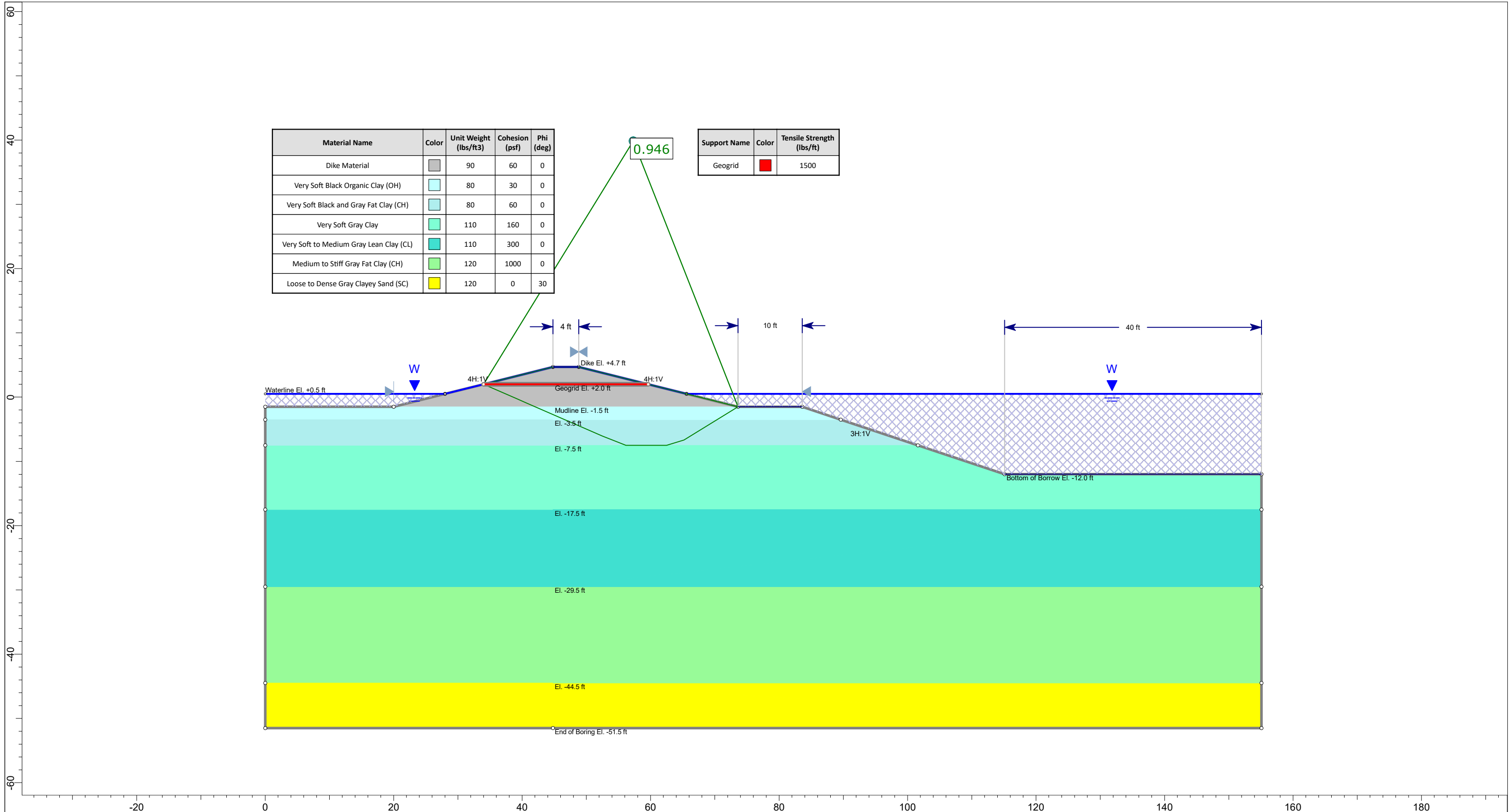
Crest Width: 4 ft
 Crest El.: 4.7 ft
 Height: 6.2 ft
 Side Slope: 4 :1
 Base Width: 53.6 ft
 *trapezoidal

Embankment Properties:

Unit Weight: 90 pcf
 Phi: deg
 Shear Strength: 60 psf
 Emb. Load: 16,070 lb

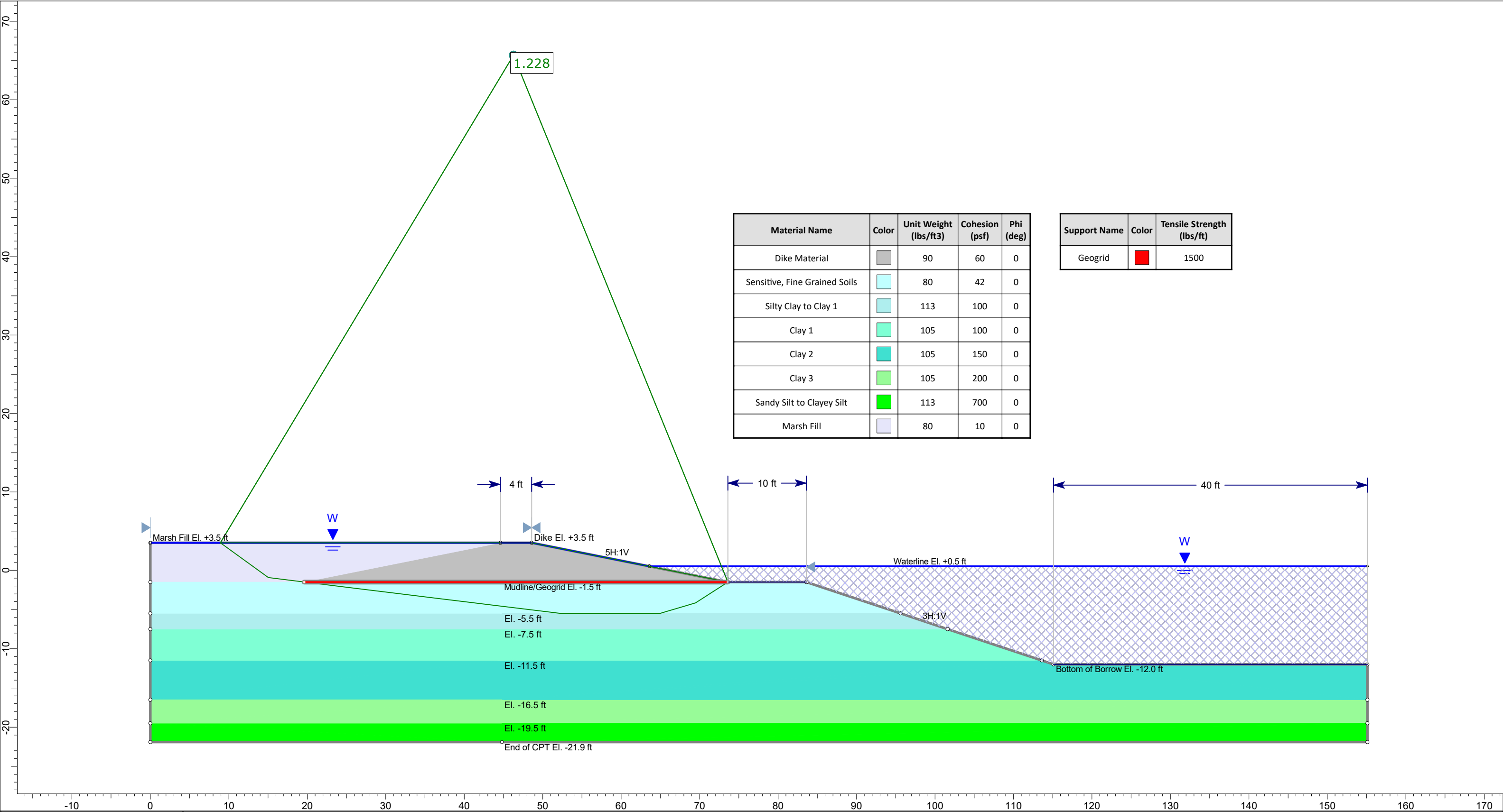



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		Project New Orleans Landbridge Marsh Creation and Shoreline Stabilization	
Analysis Containment Dike Stability		Description With Geogrid at Elevation +2.0 ft - Dike Only	
Scale: 1:170	Project Number 4585-17-006	Company S&ME	Figure
Location B-18/C-20	File Name _B-18 and C-20.slmd	Date 4/25/2018	

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	Project					New Orleans Landbridge Marsh Creation and Shoreline Stabilization												
	Analysis					Earthen Containment Dike Stability With Marsh Fill			Description		5:1, Geogrid at ML, Dike and MF at 3.5' - Dike Only							
	Scale:		1:139		Project Number			4585-17-006			Company		S&ME		Figure		II-140	
	Location		C-18 (Cell 4)		File Name			_C-18 with Marsh Fill.slmd			Date		5/3/2018					

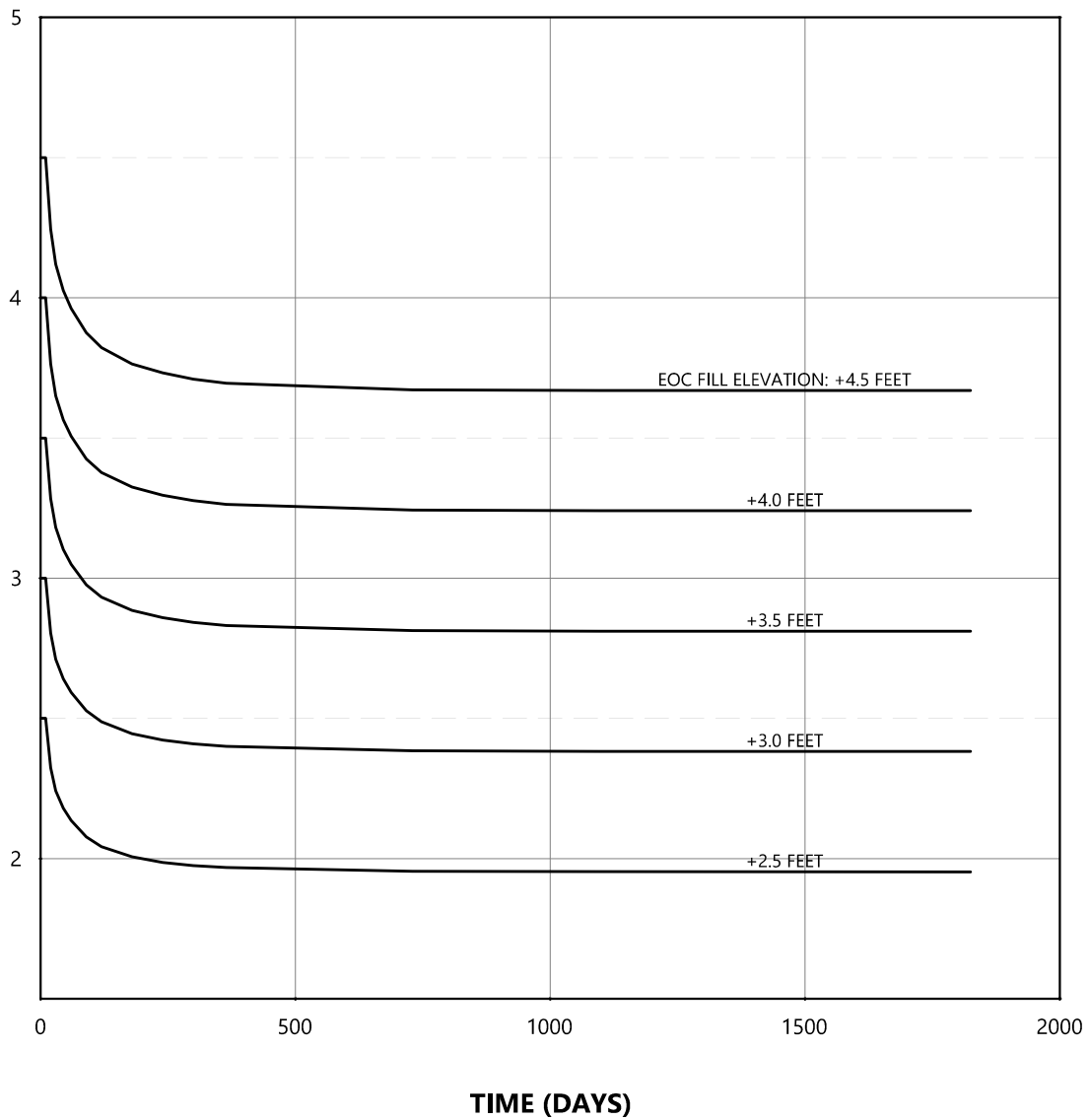
SLIDEINTERPRET 7.031

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Appendix III – GRR Breakwater and ECD Settlement

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CREST ELEVATION (FEET, NAVD88 GEOID 12A)



B-7 GRR BREAKWATER SETTLEMENT, CELL 1

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

PROJECT NUMBER

4585-17-006

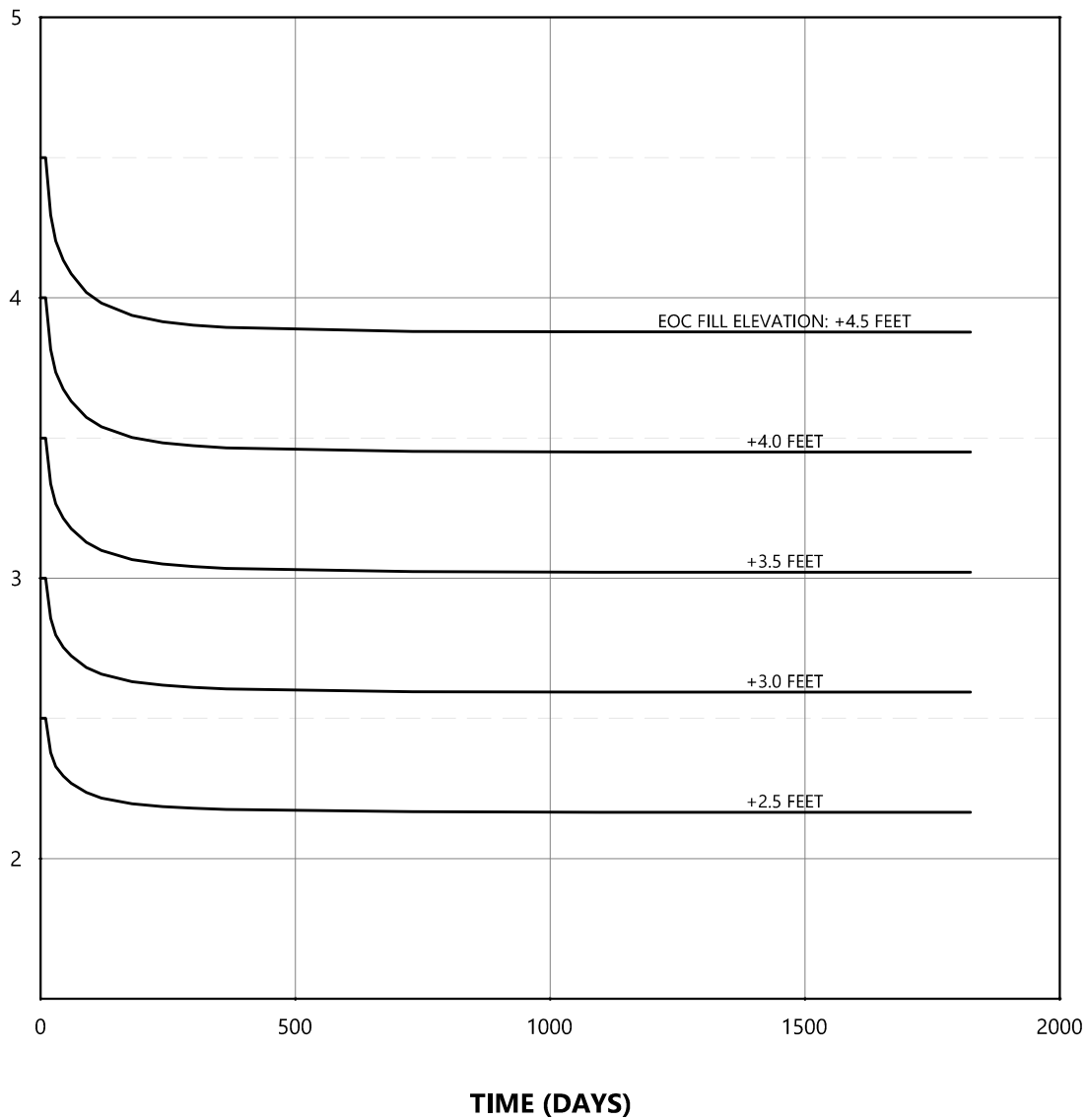
FIGURE NO.

III-1A

DRAFT

Drawing Path: C:\Users\rawilliamson\Desktop\Containment Settlement\B-7_Dike Settlement.dwg

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.48	0.40	0.30	0.41	0.56	0.61	0.62	0.62	0.62
+4.0	0.45	0.35	0.27	0.37	0.50	0.54	0.55	0.55	0.55
+3.5	0.41	0.30	0.23	0.32	0.43	0.46	0.48	0.48	0.48
+3.0	0.37	0.25	0.20	0.28	0.37	0.39	0.41	0.41	0.41
+2.5	0.33	0.20	0.12	0.23	0.30	0.32	0.33	0.33	0.33



B-7 ECD SETTLEMENT, CELL 1

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

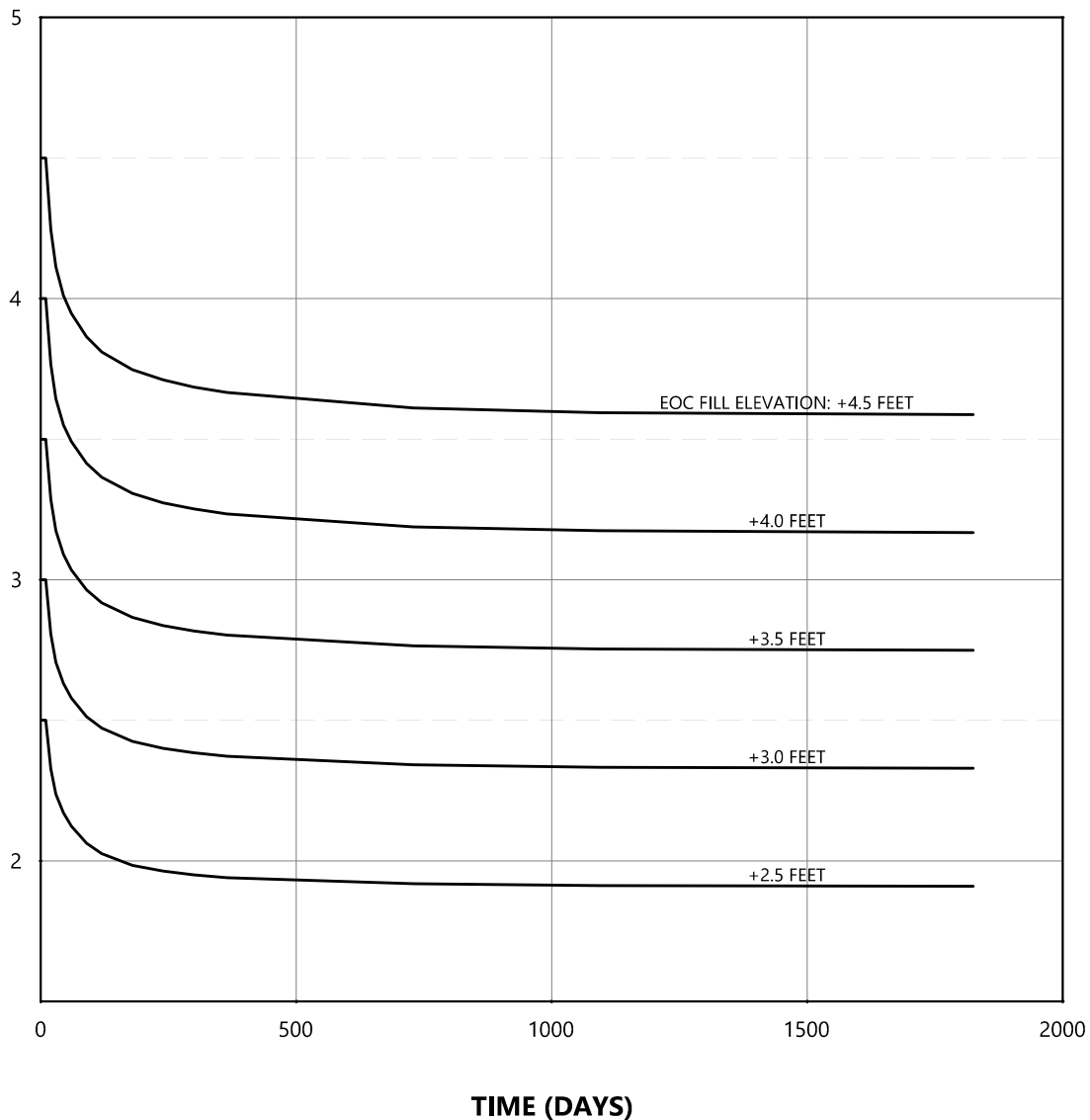
PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1B

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.61	Not Applicable	0.39	0.55	0.75	0.83	0.91	0.91	0.91
+4.0	0.58	Not Applicable	0.36	0.51	0.69	0.77	0.83	0.83	0.83
+3.5	0.55	Not Applicable	0.33	0.46	0.63	0.70	0.75	0.75	0.75
+3.0	0.51	Not Applicable	0.29	0.42	0.57	0.63	0.67	0.67	0.67
+2.5	0.48	Not Applicable	0.26	0.38	0.52	0.56	0.59	0.59	0.59



B-8 GRR BREAKWATER SETTLEMENT, CELL 1

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

PROJECT NUMBER

4585-17-006

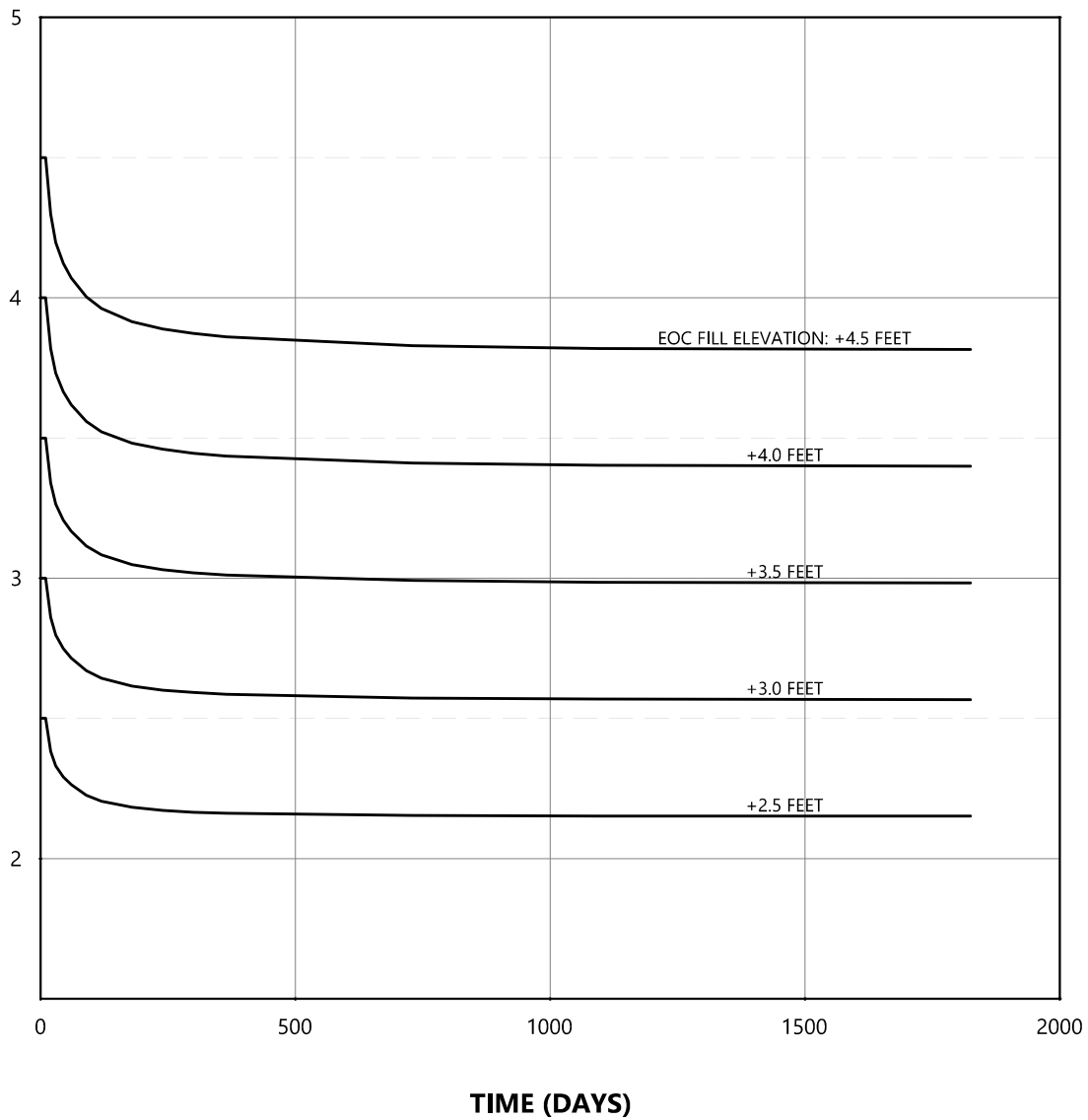
FIGURE NO.

III-1C

DRAFT

Drawing Path: C:\Users\rawilliamson\Desktop\Containment Settlement\B-8_Dike Settlement.dwg

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.48	0.40	0.30	0.43	0.59	0.64	0.68	0.68	0.69
+4.0	0.44	0.35	0.27	0.38	0.52	0.56	0.60	0.60	0.60
+3.5	0.40	0.30	0.24	0.33	0.45	0.49	0.51	0.52	0.52
+3.0	0.36	0.25	0.20	0.28	0.38	0.41	0.43	0.43	0.43
+2.5	0.32	0.20	0.17	0.24	0.32	0.34	0.35	0.35	0.35



B-8 ECD SETTLEMENT, CELL 1

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

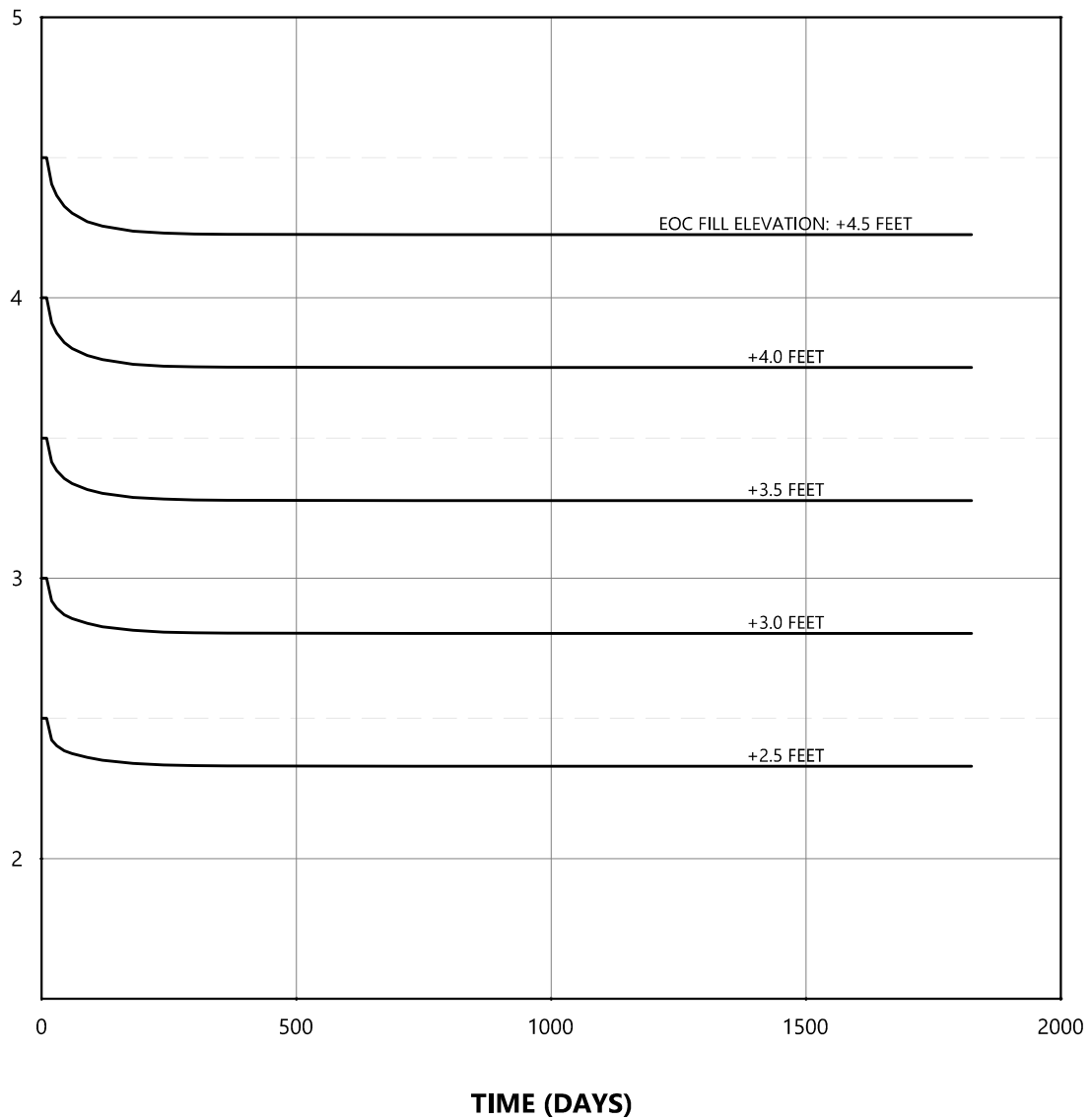
PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1D

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.16	0.40	0.14	0.20	0.26	0.27	0.27	0.27	0.27
+4.0	0.15	0.35	0.13	0.18	0.24	0.25	0.25	0.25	0.25
+3.5	0.13	0.30	0.12	0.16	0.21	0.22	0.22	0.22	0.22
+3.0	0.11	0.25	0.11	0.14	0.19	0.20	0.20	0.20	0.20
+2.5	0.09	0.20	0.10	0.13	0.16	0.17	0.17	0.17	0.17



B-9 ECD SETTLEMENT, CELL 2

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

PROJECT NUMBER

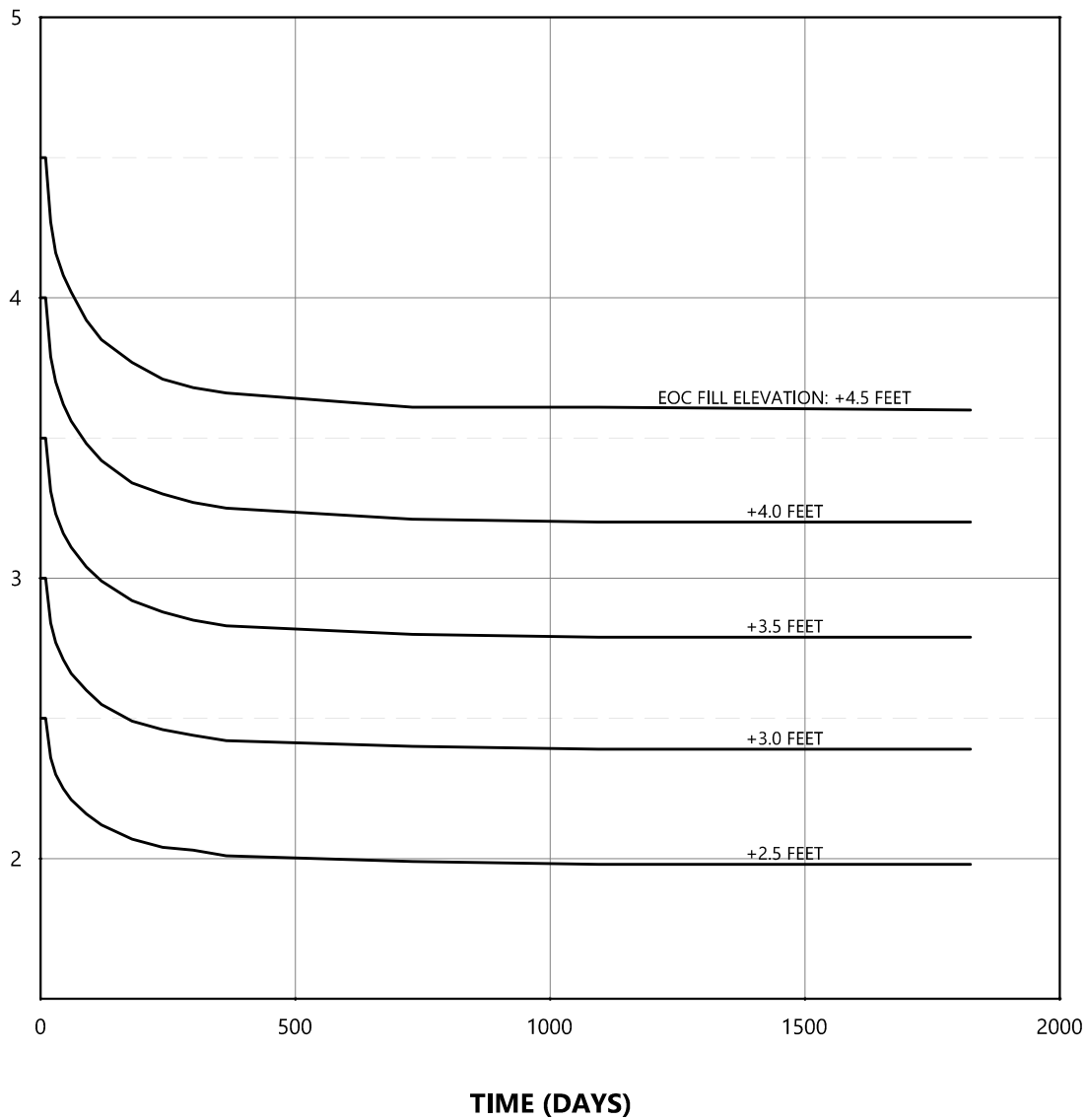
4585-17-006

FIGURE NO.

III-1E

Drawing Path: C:\Users\rawilliamson\Desktop\Containment Settlement\B-10.dwg

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.42	0.40	0.34	0.48	0.73	0.84	0.89	0.90	0.90
+4.0	0.41	0.35	0.30	0.44	0.66	0.75	0.80	0.80	0.80
+3.5	0.40	0.30	0.27	0.39	0.58	0.67	0.71	0.71	0.71
+3.0	0.39	0.25	0.23	0.34	0.51	0.58	0.61	0.61	0.61
+2.5	0.37	0.20	0.20	0.29	0.43	0.49	0.52	0.52	0.52



B-10 ECD SETTLEMENT, CELL 2

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

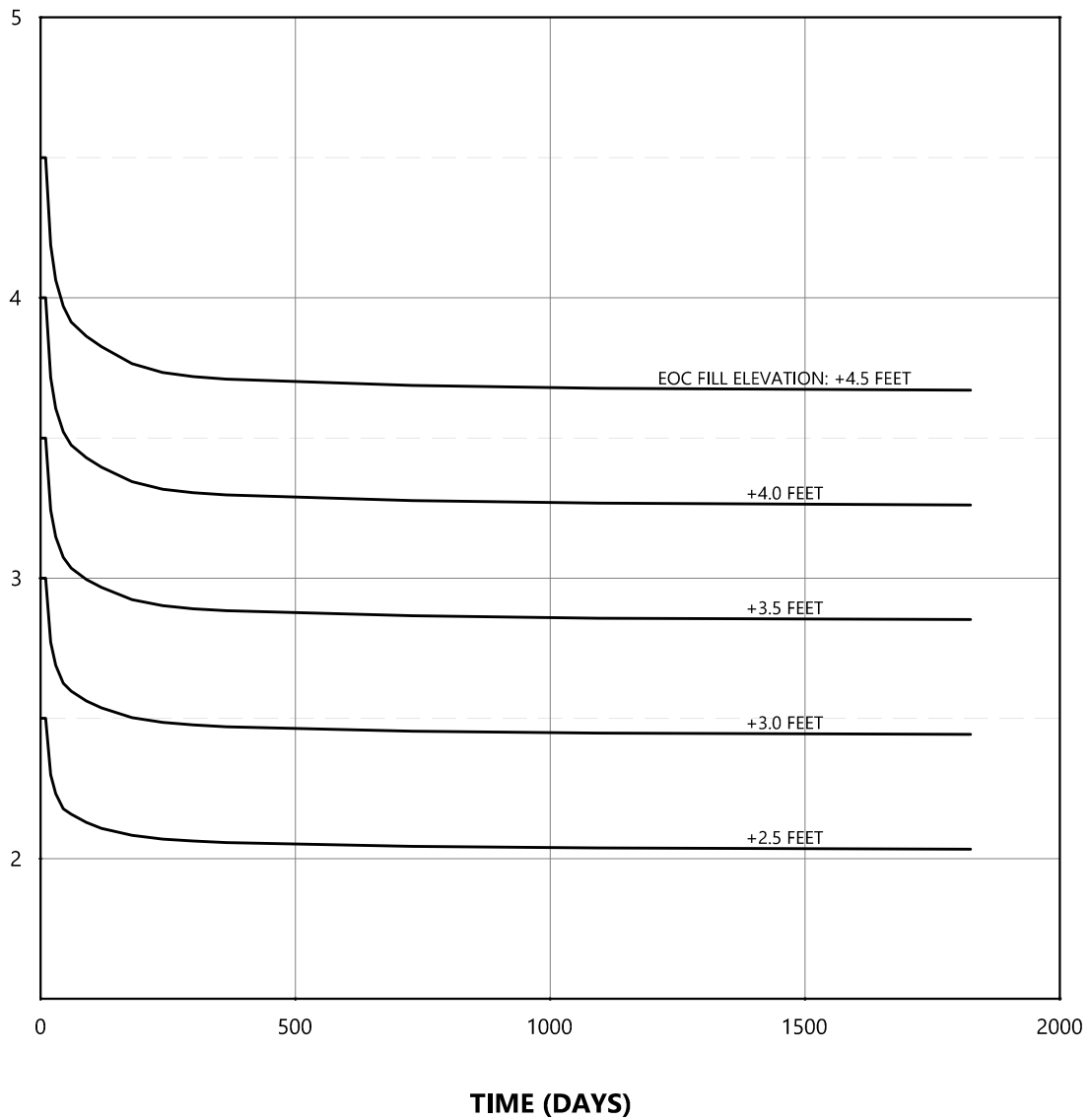
PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1F

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.43	0.40	0.44	0.59	0.74	0.79	0.82	0.83	0.83
+4.0	0.38	0.35	0.39	0.53	0.66	0.70	0.73	0.74	0.74
+3.5	0.34	0.30	0.35	0.46	0.58	0.62	0.64	0.65	0.65
+3.0	0.30	0.25	0.31	0.40	0.50	0.53	0.55	0.56	0.56
+2.5	0.25	0.20	0.27	0.34	0.42	0.44	0.46	0.47	0.47



B-11 ECD SETTLEMENT, CELL 2

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

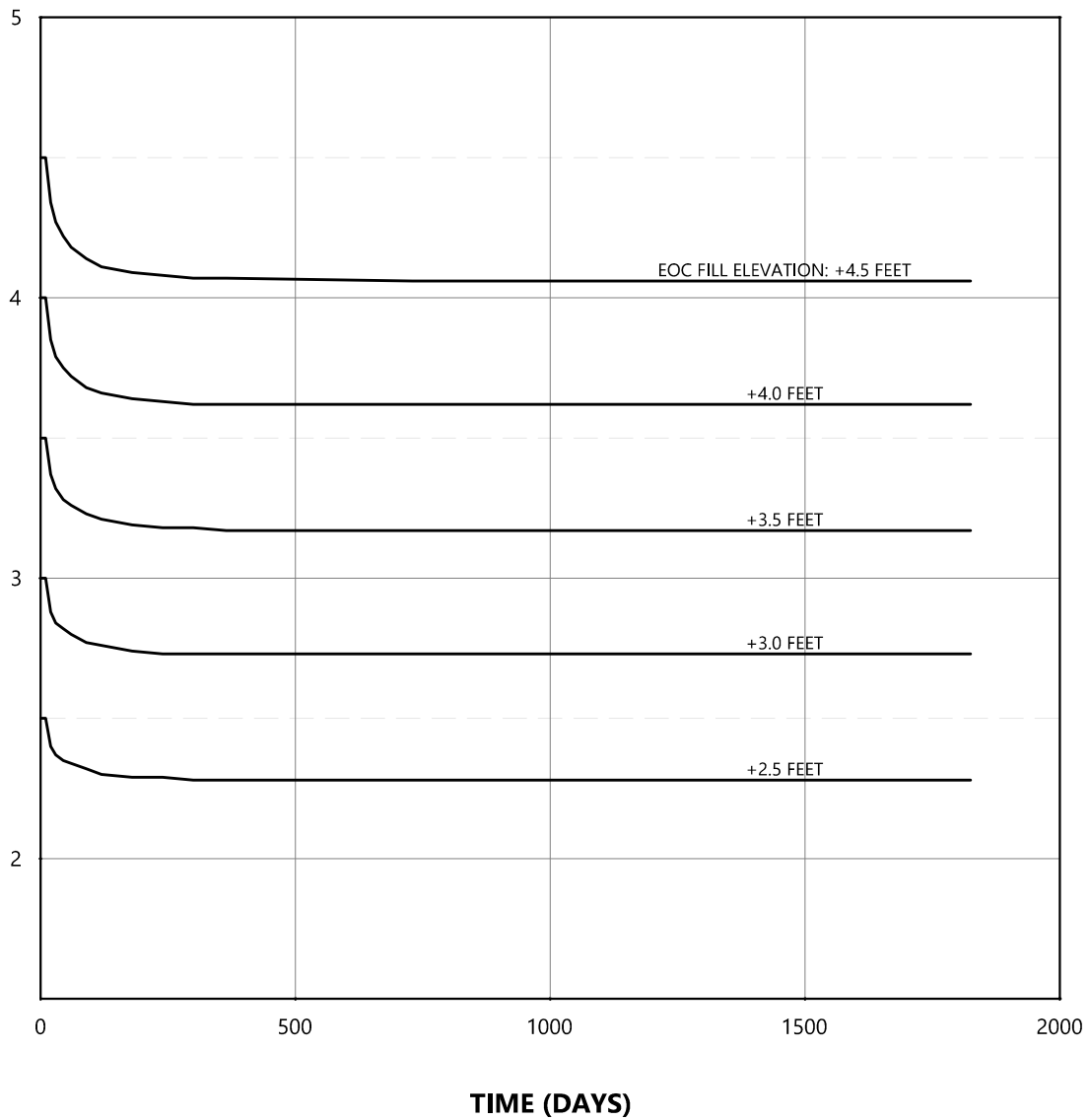
PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1G

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.40	0.40	0.23	0.32	0.41	0.43	0.44	0.44	0.44
+4.0	0.36	0.35	0.21	0.28	0.36	0.38	0.38	0.38	0.38
+3.5	0.32	0.30	0.18	0.24	0.31	0.33	0.33	0.33	0.33
+3.0	0.28	0.25	0.16	0.20	0.26	0.27	0.27	0.27	0.27
+2.5	0.25	0.20	0.13	0.16	0.21	0.22	0.22	0.22	0.22



B-19 ECD SETTLEMENT, CELL 3

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

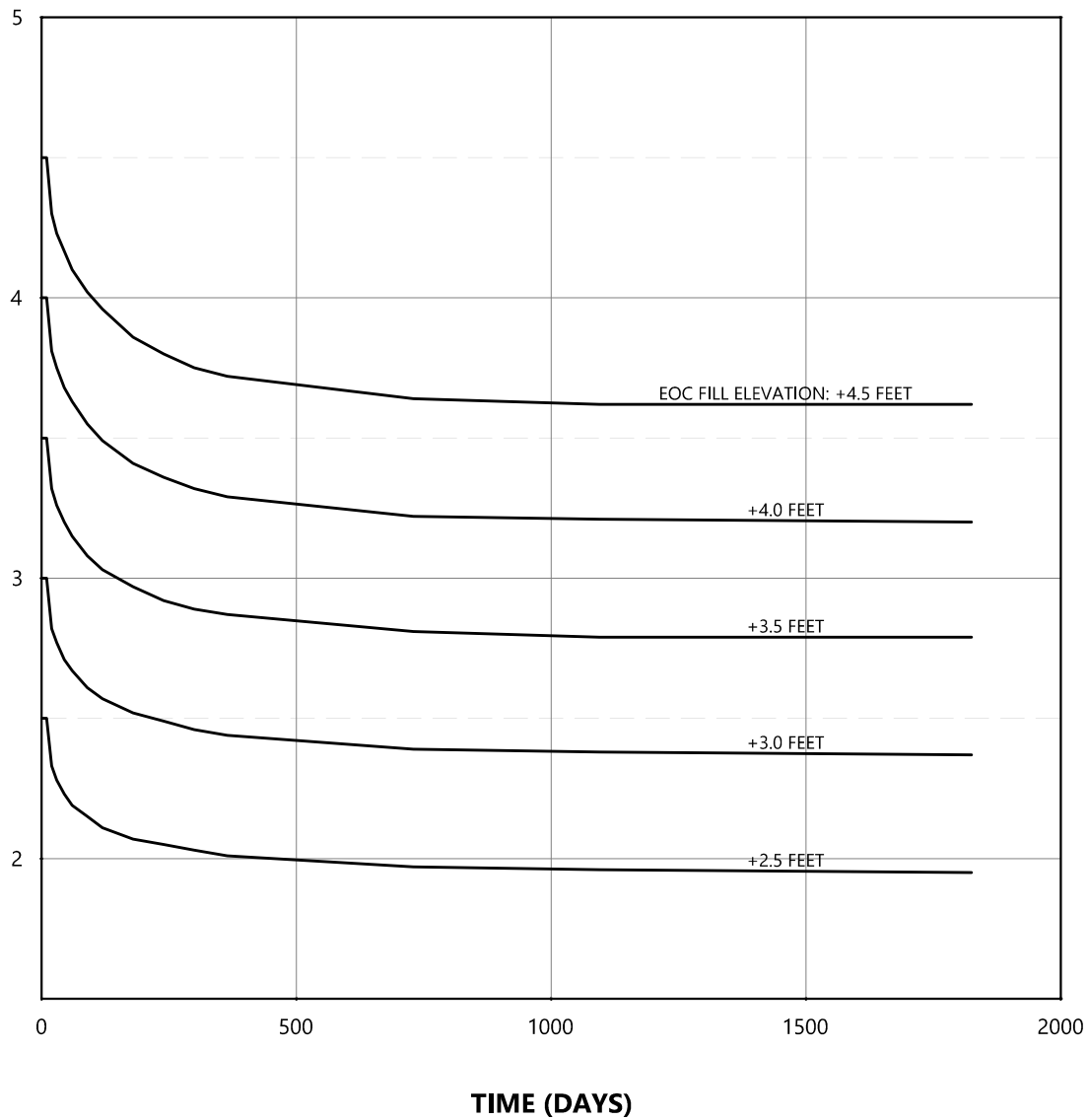
PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1H

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.40	0.40	0.27	0.40	0.64	0.78	0.88	0.88	0.88
+4.0	0.36	0.35	0.25	0.37	0.59	0.71	0.79	0.80	0.80
+3.5	0.32	0.30	0.24	0.35	0.53	0.63	0.71	0.71	0.71
+3.0	0.27	0.25	0.23	0.33	0.48	0.56	0.62	0.63	0.63
+2.5	0.23	0.20	0.22	0.31	0.43	0.49	0.54	0.55	0.55



B-17 ECD SETTLEMENT, CELL 4

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

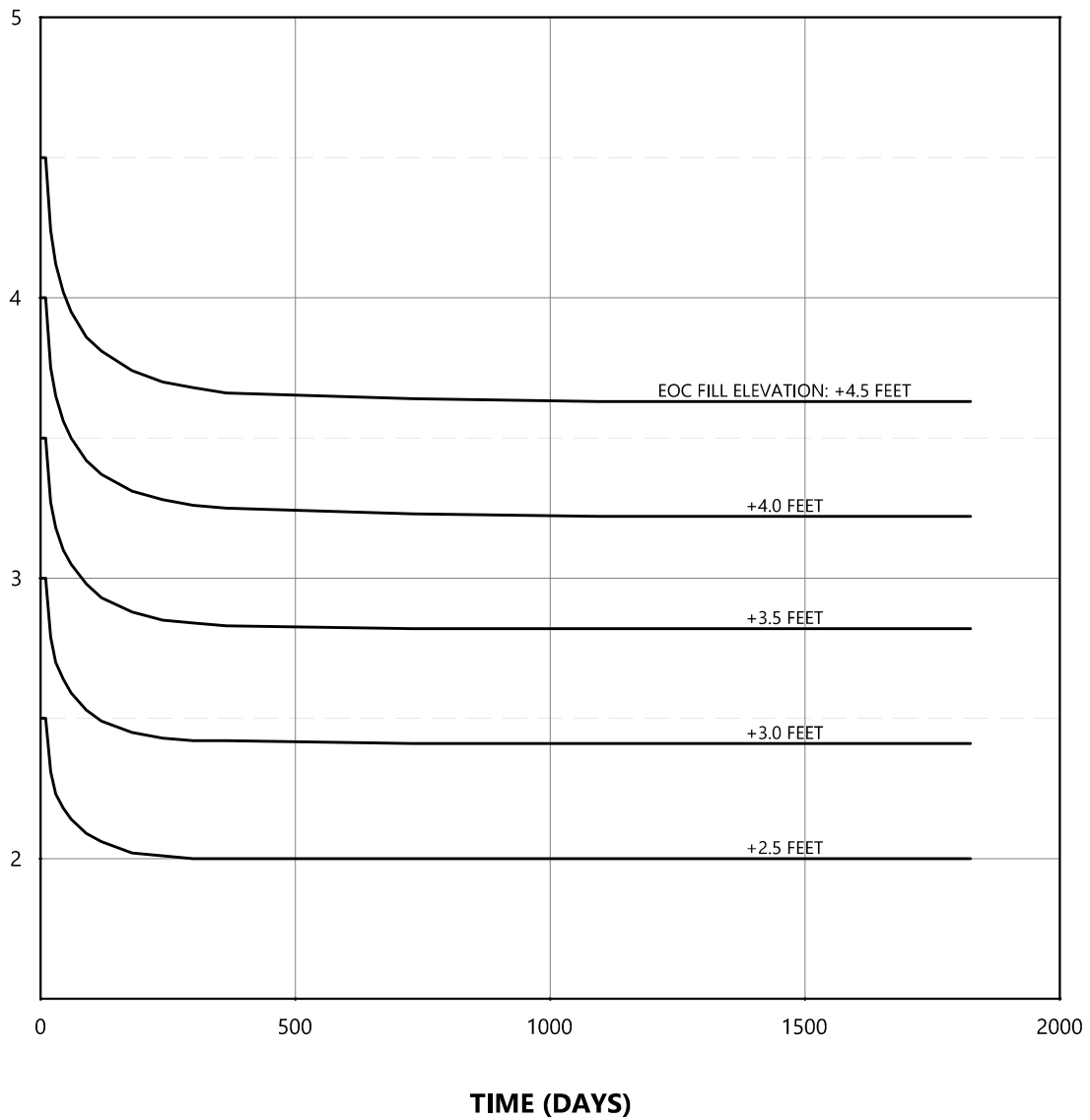
PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1I

CREST ELEVATION (FEET, NAVD88 GEOID 12A)



EOC FILL Elevation (Feet)	Approximate Construction Settlement (Feet)	Approximate Shrinkage Settlement (Feet)	Consolidation Settlement (Feet)						
			30 days	60 days	180 days	365 days	1095 days	1825 days	7300 days
+4.5	0.42	0.40	0.38	0.55	0.76	0.84	0.87	0.87	0.87
+4.0	0.37	0.35	0.35	0.50	0.69	0.75	0.78	0.78	0.78
+3.5	0.33	0.30	0.32	0.45	0.62	0.67	0.68	0.68	0.68
+3.0	0.29	0.25	0.30	0.41	0.55	0.58	0.59	0.59	0.59
+2.5	0.25	0.20	0.27	0.36	0.48	0.50	0.50	0.50	0.50



B-18 ECD SETTLEMENT, CELL 4

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH
CREATION (PO-169)
ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/04/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

III-1J

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-7 Rock Breakwater to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-1A

B-7/B-7A

4585-17-006

PO-169

Stress Computation Method Boussinesq

Time-dependent Consolidation Analysis

Time Units days

Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00930163
Total Consolidation Settlement [in]	-0.0045365	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.0045365	0
Immediate Settlement [in]	0	0.00930163
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0283461	0.0617051
Loading Stress XX [ksf]	0.0266449	0.0691455
Loading Stress YY [ksf]	0.0547185	0.108238
Effective Stress ZZ [ksf]	-2.47784e-005	1.438
Effective Stress XX [ksf]	0.0175535	1.47633
Effective Stress YY [ksf]	0.0303297	1.49291
Total Stress ZZ [ksf]	0.252602	3.54411
Total Stress XX [ksf]	0.270181	3.58244
Total Stress YY [ksf]	0.282957	3.59903
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000648662	7.76658e-005
Pore Water Pressure [ksf]	0.252627	2.10611
Excess Pore Water Pressure [ksf]	0.0157119	0.0342023
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	2.94112
Over-consolidation Ratio	1	4.06661
Void Ratio	0	4.8638
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.07958
Total Consolidation Settlement [in]	0	1.06175
Virgin Consolidation Settlement [in]	0	0.720232
Recompression Consolidation Settlement [in]	0	0.341519
Immediate Settlement [in]	0	0.0178335
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0541757	0.123505
Loading Stress XX [ksf]	0.054994	0.138554
Loading Stress YY [ksf]	0.119535	0.216753
Effective Stress ZZ [ksf]	0.01462	1.45371
Effective Stress XX [ksf]	0.0463238	1.53051
Effective Stress YY [ksf]	0.0886408	1.56276
Total Stress ZZ [ksf]	0.286857	3.55843
Total Stress XX [ksf]	0.325343	3.63523
Total Stress YY [ksf]	0.358727	3.66748
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000125394	0.354506
Pore Water Pressure [ksf]	0.258268	2.10472
Excess Pore Water Pressure [ksf]	0.014317	0.068252
Degree of Consolidation [%]	0	40.8836
Pre-consolidation Stress [ksf]	0.0245796	2.94112
Over-consolidation Ratio	1	4.01279
Void Ratio	0	4.86073
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00467925

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.97658
Total Consolidation Settlement [in]	0	1.95102
Virgin Consolidation Settlement [in]	0	1.43414
Recompression Consolidation Settlement [in]	0	0.516878
Immediate Settlement [in]	0	0.0255587
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0774295	0.185435
Loading Stress XX [ksf]	0.0858388	0.208237
Loading Stress YY [ksf]	0.189515	0.32553
Effective Stress ZZ [ksf]	0.0196611	1.46803
Effective Stress XX [ksf]	0.0729104	1.58345
Effective Stress YY [ksf]	0.142819	1.63042
Total Stress ZZ [ksf]	0.321184	3.57132
Total Stress XX [ksf]	0.380939	3.68674
Total Stress YY [ksf]	0.436518	3.73371
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000146341	0.495998
Pore Water Pressure [ksf]	0.263016	2.10329
Excess Pore Water Pressure [ksf]	0.0128892	0.102169
Degree of Consolidation [%]	0	57.0014
Pre-consolidation Stress [ksf]	0.0462987	2.94112
Over-consolidation Ratio	1	4.01493
Void Ratio	0	4.86086
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00748887

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.6164
Total Consolidation Settlement [in]	0	2.58395
Virgin Consolidation Settlement [in]	0	1.91646
Recompression Consolidation Settlement [in]	0	0.667497
Immediate Settlement [in]	0	0.032446
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0980616	0.247512
Loading Stress XX [ksf]	0.119985	0.278307
Loading Stress YY [ksf]	0.265626	0.43361
Effective Stress ZZ [ksf]	0.0236394	1.48092
Effective Stress XX [ksf]	0.0983286	1.63518
Effective Stress YY [ksf]	0.194415	1.69581
Total Stress ZZ [ksf]	0.355592	3.58275
Total Stress XX [ksf]	0.437029	3.73702
Total Stress YY [ksf]	0.516449	3.79765
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000121455	0.591346
Pore Water Pressure [ksf]	0.266433	2.10184
Excess Pore Water Pressure [ksf]	0.0114361	0.135758
Degree of Consolidation [%]	0	66.2481
Pre-consolidation Stress [ksf]	0.0598682	2.94112
Over-consolidation Ratio	1	3.99833
Void Ratio	0	4.8599
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00995208

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.22859
Total Consolidation Settlement [in]	0	3.19012
Virgin Consolidation Settlement [in]	0	2.43529
Recompression Consolidation Settlement [in]	0	0.75483
Immediate Settlement [in]	0	0.0384707
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.11604	0.309681
Loading Stress XX [ksf]	0.15852	0.349058
Loading Stress YY [ksf]	0.349028	0.541028
Effective Stress ZZ [ksf]	0.0294145	1.49235
Effective Stress XX [ksf]	0.13015	1.68583
Effective Stress YY [ksf]	0.253809	1.75885
Total Stress ZZ [ksf]	0.390052	3.59272
Total Stress XX [ksf]	0.495391	3.7862
Total Stress YY [ksf]	0.600326	3.85921
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000103066	0.658289
Pore Water Pressure [ksf]	0.269673	2.10037
Excess Pore Water Pressure [ksf]	0.00996537	0.168607
Degree of Consolidation [%]	0	72.5353
Pre-consolidation Stress [ksf]	0.073907	2.94112
Over-consolidation Ratio	1	3.94653
Void Ratio	0	4.85689
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0120825

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.88453
Total Consolidation Settlement [in]	0	3.84091
Virgin Consolidation Settlement [in]	0	3.02592
Recompression Consolidation Settlement [in]	0	0.814989
Immediate Settlement [in]	0	0.0436149
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.131348	0.371678
Loading Stress XX [ksf]	0.202896	0.421087
Loading Stress YY [ksf]	0.440739	0.648278
Effective Stress ZZ [ksf]	0.0311174	1.50232
Effective Stress XX [ksf]	0.166072	1.73572
Effective Stress YY [ksf]	0.319413	1.81935
Total Stress ZZ [ksf]	0.424416	3.6012
Total Stress XX [ksf]	0.557106	3.83461
Total Stress YY [ksf]	0.688939	3.91824
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000108493	0.708438
Pore Water Pressure [ksf]	0.272992	2.09888
Excess Pore Water Pressure [ksf]	0.00848499	0.20004
Degree of Consolidation [%]	0	77.2568
Pre-consolidation Stress [ksf]	0.0810664	2.94112
Over-consolidation Ratio	1	3.84262
Void Ratio	0	4.8507
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.013892

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.4949
Total Consolidation Settlement [in]	0	4.44703
Virgin Consolidation Settlement [in]	0	3.56821
Recompression Consolidation Settlement [in]	0	0.878815
Immediate Settlement [in]	0	0.0478682
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.143982	0.432693
Loading Stress XX [ksf]	0.253921	0.495472
Loading Stress YY [ksf]	0.540878	0.751819
Effective Stress ZZ [ksf]	0.0336015	1.5108
Effective Stress XX [ksf]	0.201384	1.78544
Effective Stress YY [ksf]	0.386396	1.87694
Total Stress ZZ [ksf]	0.458235	3.60821
Total Stress XX [ksf]	0.62238	3.88284
Total Stress YY [ksf]	0.781436	3.97435
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000117961	0.749742
Pore Water Pressure [ksf]	0.275619	2.0974
Excess Pore Water Pressure [ksf]	0.00700273	0.229209
Degree of Consolidation [%]	0	81.0501
Pre-consolidation Stress [ksf]	0.0896316	2.94112
Over-consolidation Ratio	1	3.72725
Void Ratio	0	4.84114
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153919

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.04738
Total Consolidation Settlement [in]	0	4.99616
Virgin Consolidation Settlement [in]	0	4.05122
Recompression Consolidation Settlement [in]	0	0.944934
Immediate Settlement [in]	0	0.0512274
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.153952	0.490685
Loading Stress XX [ksf]	0.315024	0.573866
Loading Stress YY [ksf]	0.647081	0.849325
Effective Stress ZZ [ksf]	0.035661	1.51781
Effective Stress XX [ksf]	0.242265	1.83589
Effective Stress YY [ksf]	0.450097	1.93089
Total Stress ZZ [ksf]	0.49038	3.61373
Total Stress XX [ksf]	0.691258	3.93182
Total Stress YY [ksf]	0.875313	4.02681
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000152406	0.784585
Pore Water Pressure [ksf]	0.27681	2.09593
Excess Pore Water Pressure [ksf]	0.00552613	0.254536
Degree of Consolidation [%]	0	84.2553
Pre-consolidation Stress [ksf]	0.0992081	2.94112
Over-consolidation Ratio	1	3.66993
Void Ratio	0	4.82836
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0165926

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.86912
Total Consolidation Settlement [in]	0	5.8152
Virgin Consolidation Settlement [in]	0	4.73648
Recompression Consolidation Settlement [in]	0	1.07872
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.040247	1.52333
Effective Stress XX [ksf]	0.298294	1.89337
Effective Stress YY [ksf]	0.521392	1.98451
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.771413	3.98822
Total Stress YY [ksf]	0.975211	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000214708	0.817646
Pore Water Pressure [ksf]	0.279961	2.09484
Excess Pore Water Pressure [ksf]	0.00444302	0.274462
Degree of Consolidation [%]	0	88.3715
Pre-consolidation Stress [ksf]	0.1056	2.94112
Over-consolidation Ratio	1	3.57091
Void Ratio	0	4.79413
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0175211

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.99434
Total Consolidation Settlement [in]	0	6.94042
Virgin Consolidation Settlement [in]	0	5.67243
Recompression Consolidation Settlement [in]	0	1.26798
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.0550427	1.52778
Effective Stress XX [ksf]	0.316198	1.89782
Effective Stress YY [ksf]	0.539577	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.777259	3.98822
Total Stress YY [ksf]	0.981056	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000295431	0.843951
Pore Water Pressure [ksf]	0.254775	2.0904
Excess Pore Water Pressure [ksf]	0	0.268046
Degree of Consolidation [%]	0	96.225
Pre-consolidation Stress [ksf]	0.11328	2.94112
Over-consolidation Ratio	1	3.44938
Void Ratio	-0.0855534	4.69402
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0179782

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.98402
Total Consolidation Settlement [in]	0	7.93009
Virgin Consolidation Settlement [in]	0	6.46034
Recompression Consolidation Settlement [in]	0	1.46975
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.0866138	1.52778
Effective Stress XX [ksf]	0.356185	1.89782
Effective Stress YY [ksf]	0.579708	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.782406	3.98822
Total Stress YY [ksf]	0.986204	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000252308	0.843606
Pore Water Pressure [ksf]	0.259922	2.0904
Excess Pore Water Pressure [ksf]	0	0.258113
Degree of Consolidation [%]	0	98.6929
Pre-consolidation Stress [ksf]	0.11328	2.94112
Over-consolidation Ratio	1	3.39296
Void Ratio	-0.0835299	4.54229
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0179782

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.96426
Total Consolidation Settlement [in]	0	8.91033
Virgin Consolidation Settlement [in]	0	7.23912
Recompression Consolidation Settlement [in]	0	1.67121
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.130993	1.52778
Effective Stress XX [ksf]	0.416294	1.89782
Effective Stress YY [ksf]	0.638018	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.787502	3.98822
Total Stress YY [ksf]	0.9913	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000174576	0.842708
Pore Water Pressure [ksf]	0.265018	2.0904
Excess Pore Water Pressure [ksf]	0	0.244588
Degree of Consolidation [%]	0	99.7743
Pre-consolidation Stress [ksf]	0.161218	2.94112
Over-consolidation Ratio	1	3.38095
Void Ratio	-0.0782668	4.1853
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0179782

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.71185
Total Consolidation Settlement [in]	0	9.65792
Virgin Consolidation Settlement [in]	0	7.79303
Recompression Consolidation Settlement [in]	0	1.86488
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.174441	1.52778
Effective Stress XX [ksf]	0.469217	1.89782
Effective Stress YY [ksf]	0.68909	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.791375	3.98822
Total Stress YY [ksf]	0.995172	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.14596e-005	0.842078
Pore Water Pressure [ksf]	0.26889	2.0904
Excess Pore Water Pressure [ksf]	0	0.228113
Degree of Consolidation [%]	0	99.9838
Pre-consolidation Stress [ksf]	0.204742	2.94112
Over-consolidation Ratio	1	3.37863
Void Ratio	-0.0745789	3.90905
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0179782

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.2329
Total Consolidation Settlement [in]	0	10.1789
Virgin Consolidation Settlement [in]	0	8.17195
Recompression Consolidation Settlement [in]	0	2.00698
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.214006	1.52778
Effective Stress XX [ksf]	0.497186	1.89782
Effective Stress YY [ksf]	0.720284	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.794084	3.98822
Total Stress YY [ksf]	0.997882	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000200842	0.841775
Pore Water Pressure [ksf]	0.2716	2.0904
Excess Pore Water Pressure [ksf]	0	0.215487
Degree of Consolidation [%]	0	99.9988
Pre-consolidation Stress [ksf]	0.23237	2.94112
Over-consolidation Ratio	1	3.37847
Void Ratio	-0.0727997	3.76293
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0179782

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.9351
Total Consolidation Settlement [in]	0	10.8812
Virgin Consolidation Settlement [in]	0	8.66081
Recompression Consolidation Settlement [in]	0	2.2204
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.246178	1.52778
Effective Stress XX [ksf]	0.517528	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.797719	3.98822
Total Stress YY [ksf]	1.00152	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.841414
Pore Water Pressure [ksf]	0.275234	2.0904
Excess Pore Water Pressure [ksf]	0	0.194459
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.258563	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0706861	3.61953
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0185274

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.3556
Total Consolidation Settlement [in]	0	11.3017
Virgin Consolidation Settlement [in]	0	8.93238
Recompression Consolidation Settlement [in]	0	2.36932
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.244001	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.799895	3.98822
Total Stress YY [ksf]	1.00369	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.841187
Pore Water Pressure [ksf]	0.277411	2.0904
Excess Pore Water Pressure [ksf]	0	0.178649
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.263825	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0693559	3.54389
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0191913

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7975
Total Consolidation Settlement [in]	0	11.7436
Virgin Consolidation Settlement [in]	0	9.1567
Recompression Consolidation Settlement [in]	0	2.58688
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.241715	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.802181	3.98822
Total Stress YY [ksf]	1.00598	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840931
Pore Water Pressure [ksf]	0.279697	2.0904
Excess Pore Water Pressure [ksf]	0	0.140597
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0678558	3.47996
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0197042

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.0325
Total Consolidation Settlement [in]	0	11.9786
Virgin Consolidation Settlement [in]	0	9.24692
Recompression Consolidation Settlement [in]	0	2.73164
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.240501	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.803395	3.98822
Total Stress YY [ksf]	1.00719	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840772
Pore Water Pressure [ksf]	0.280911	2.0904
Excess Pore Water Pressure [ksf]	0	0.105019
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0669251	3.46218
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0219101

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.1639
Total Consolidation Settlement [in]	0	12.11
Virgin Consolidation Settlement [in]	0	9.27998
Recompression Consolidation Settlement [in]	0	2.83001
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.239823	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.804073	3.98822
Total Stress YY [ksf]	1.00787	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840677
Pore Water Pressure [ksf]	0.281589	2.0904
Excess Pore Water Pressure [ksf]	0	0.076897
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0663688	3.45545
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0220698

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.2506
Total Consolidation Settlement [in]	0	12.1967
Virgin Consolidation Settlement [in]	0	9.29264
Recompression Consolidation Settlement [in]	0	2.90405
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.239374	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.804522	3.98822
Total Stress YY [ksf]	1.00832	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840611
Pore Water Pressure [ksf]	0.282038	2.0904
Excess Pore Water Pressure [ksf]	0	0.0564836
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.065983	3.45306
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0221516

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4084
Total Consolidation Settlement [in]	0	12.3545
Virgin Consolidation Settlement [in]	0	9.30182
Recompression Consolidation Settlement [in]	0	3.05266
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.23855	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.805346	3.98822
Total Stress YY [ksf]	1.00914	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840484
Pore Water Pressure [ksf]	0.282862	2.0904
Excess Pore Water Pressure [ksf]	-1.53494e-048	0.00881781
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0652385	3.45234
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0222558

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4306
Total Consolidation Settlement [in]	0	12.3766
Virgin Consolidation Settlement [in]	0	9.30253
Recompression Consolidation Settlement [in]	0	3.0741
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.238427	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.805469	3.98822
Total Stress YY [ksf]	1.00927	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840465
Pore Water Pressure [ksf]	0.282985	2.0904
Excess Pore Water Pressure [ksf]	-2.9045e-050	0.00132784
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0651252	3.45237
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0222679

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4344
Total Consolidation Settlement [in]	0	12.3804
Virgin Consolidation Settlement [in]	0	9.30265
Recompression Consolidation Settlement [in]	0	3.07779
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.238406	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.80549	3.98822
Total Stress YY [ksf]	1.00929	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840462
Pore Water Pressure [ksf]	0.283006	2.0904
Excess Pore Water Pressure [ksf]	-1.37055e-050	2.99791e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0651057	3.45237
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.02227

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4345
Total Consolidation Settlement [in]	0	12.3805
Virgin Consolidation Settlement [in]	0	9.30266
Recompression Consolidation Settlement [in]	0	3.07788
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.238406	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.80549	3.98822
Total Stress YY [ksf]	1.00929	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840462
Pore Water Pressure [ksf]	0.283006	2.0904
Excess Pore Water Pressure [ksf]	-2.53299e-008	7.46134e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0651053	3.45237
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0222701

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4345
Total Consolidation Settlement [in]	0	12.3805
Virgin Consolidation Settlement [in]	0	9.30266
Recompression Consolidation Settlement [in]	0	3.07788
Immediate Settlement [in]	0	0.0539282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.161821	0.545649
Loading Stress XX [ksf]	0.394477	0.665885
Loading Stress YY [ksf]	0.761503	0.945211
Effective Stress ZZ [ksf]	0.238406	1.52778
Effective Stress XX [ksf]	0.522484	1.89782
Effective Stress YY [ksf]	0.726282	1.98895
Total Stress ZZ [ksf]	0.521412	3.61818
Total Stress XX [ksf]	0.80549	3.98822
Total Stress YY [ksf]	1.00929	4.07935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000307142	0.840462
Pore Water Pressure [ksf]	0.283006	2.0904
Excess Pore Water Pressure [ksf]	-2.49439e-008	7.33604e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.265997	2.94112
Over-consolidation Ratio	1	3.37845
Void Ratio	-0.0651053	3.45237
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0222701

Embankments

1. Embankment: "Embankment Load (Rock) to +2.5"

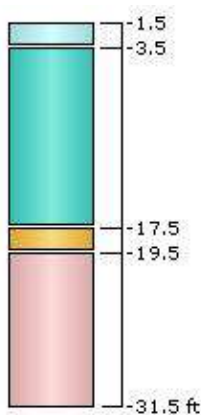
Label Embankment Load (Rock) to +2.5'
Center Line (0, -1000) to (0, 1000)
Number of Layers 9
Near End Angle 90 degrees
Far End Angle 90 degrees
Base Width 25

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	21.8	0.44	0.14	21.8	0
2	Stage 2 = 2 d	0	21.8	0.44	0.14	21.8	0
3	Stage 3 = 3 d	0	21.8	0.44	0.14	21.8	0
4	Stage 4 = 4 d	0	21.8	0.44	0.14	21.8	0
5	Stage 5 = 5 d	0	21.8	0.44	0.14	21.8	0
6	Stage 6 = 6 d	0	21.8	0.44	0.14	21.8	0
7	Stage 7 = 7 d	0	21.8	0.44	0.14	21.8	0
8	Stage 8 = 8 d	0	21.8	0.44	0.14	21.8	0
9	Stage 9 = 10 d	0	21.8	0.48	0.14	21.8	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	1.5	No
2	Very Soft Clay (CH) 2	14	3.5	Yes
3	Stiff Clay (CH) 4	2	17.5	Yes
4	Sand	12	19.5	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Stiff Clay (CH) 4	Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
E _{sur} [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
C _c	2.93	0.5	0.19	-
C _r	0.53	0.11	0.03	-
e ₀	4.86	1.61	0.87	-
OCR	4	3.1	4	-
C _v [ft ² /d]	0.03	0.07	0.07	-
C _{vr} [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-7 Rock Breakwater to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-1A
 B-7/B-7A
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.017597
Total Consolidation Settlement [in]	-0.00860623	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00860623	0
Immediate Settlement [in]	0	0.017597
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0556092	0.0937515
Loading Stress XX [ksf]	0.0393368	0.103375
Loading Stress YY [ksf]	0.0904988	0.163138
Effective Stress ZZ [ksf]	-4.67516e-005	1.438
Effective Stress XX [ksf]	0.0225889	1.4953
Effective Stress YY [ksf]	0.0501622	1.52511
Total Stress ZZ [ksf]	0.270365	3.55922
Total Stress XX [ksf]	0.293001	3.61652
Total Stress YY [ksf]	0.320574	3.64634
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00123451	0.000140786
Pore Water Pressure [ksf]	0.270412	2.12122
Excess Pore Water Pressure [ksf]	0.0308234	0.0519651
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	2.94112
Over-consolidation Ratio	1	4.12771
Void Ratio	0	4.86723
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.50776
Total Consolidation Settlement [in]	0	1.47394
Virgin Consolidation Settlement [in]	0	1.0698
Recompression Consolidation Settlement [in]	0	0.404145
Immediate Settlement [in]	0	0.0338197
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.106296	0.187516
Loading Stress XX [ksf]	0.0820397	0.207802
Loading Stress YY [ksf]	0.18971	0.326401
Effective Stress ZZ [ksf]	0.0180006	1.46882
Effective Stress XX [ksf]	0.0679373	1.584
Effective Stress YY [ksf]	0.133467	1.64166
Total Stress ZZ [ksf]	0.322337	3.58732
Total Stress XX [ksf]	0.375881	3.7025
Total Stress YY [ksf]	0.435328	3.76015
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000237054	0.431438
Pore Water Pressure [ksf]	0.278209	2.11849
Excess Pore Water Pressure [ksf]	0.0280949	0.103815
Degree of Consolidation [%]	0	41.2593
Pre-consolidation Stress [ksf]	0.0344718	2.94112
Over-consolidation Ratio	1	4.02421
Void Ratio	0	4.86139
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00830933

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.50286
Total Consolidation Settlement [in]	0	2.45433
Virgin Consolidation Settlement [in]	0	1.85089
Recompression Consolidation Settlement [in]	0	0.603445
Immediate Settlement [in]	0	0.0485236
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.15176	0.281288
Loading Stress XX [ksf]	0.128339	0.313029
Loading Stress YY [ksf]	0.296823	0.489554
Effective Stress ZZ [ksf]	0.0208868	1.49692
Effective Stress XX [ksf]	0.0996329	1.67043
Effective Stress YY [ksf]	0.202164	1.75389
Total Stress ZZ [ksf]	0.374314	3.61252
Total Stress XX [ksf]	0.45848	3.78603
Total Stress YY [ksf]	0.551868	3.86949
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000286791	0.587641
Pore Water Pressure [ksf]	0.283407	2.1156
Excess Pore Water Pressure [ksf]	0.0252002	0.155454
Degree of Consolidation [%]	0	57.6041
Pre-consolidation Stress [ksf]	0.0562351	2.94112
Over-consolidation Ratio	1	4.02932
Void Ratio	0	4.86168
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0131752

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.29072
Total Consolidation Settlement [in]	0	3.22915
Virgin Consolidation Settlement [in]	0	2.49277
Recompression Consolidation Settlement [in]	0	0.736379
Immediate Settlement [in]	0	0.0615756
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.19175	0.375
Loading Stress XX [ksf]	0.179526	0.418842
Loading Stress YY [ksf]	0.413872	0.652187
Effective Stress ZZ [ksf]	0.0280281	1.52212
Effective Stress XX [ksf]	0.138949	1.75428
Effective Stress YY [ksf]	0.280219	1.86151
Total Stress ZZ [ksf]	0.426257	3.63468
Total Stress XX [ksf]	0.542904	3.86684
Total Stress YY [ksf]	0.672799	3.97408
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000243458	0.683328
Pore Water Pressure [ksf]	0.287481	2.11257
Excess Pore Water Pressure [ksf]	0.0221658	0.206537
Degree of Consolidation [%]	0	67.0164
Pre-consolidation Stress [ksf]	0.073359	2.94112
Over-consolidation Ratio	1	4.00392
Void Ratio	0	4.86022
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0173623

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.14097
Total Consolidation Settlement [in]	0	4.06811
Virgin Consolidation Settlement [in]	0	3.26095
Recompression Consolidation Settlement [in]	0	0.807157
Immediate Settlement [in]	0	0.0728619
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.22607	0.468381
Loading Stress XX [ksf]	0.237604	0.525177
Loading Stress YY [ksf]	0.543315	0.813715
Effective Stress ZZ [ksf]	0.0301629	1.54428
Effective Stress XX [ksf]	0.185949	1.83538
Effective Stress YY [ksf]	0.368964	1.96432
Total Stress ZZ [ksf]	0.478017	3.65371
Total Stress XX [ksf]	0.631286	3.94481
Total Stress YY [ksf]	0.800737	4.07375
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000179169	0.748777
Pore Water Pressure [ksf]	0.291729	2.10942
Excess Pore Water Pressure [ksf]	0.0190231	0.256503
Degree of Consolidation [%]	0	73.4429
Pre-consolidation Stress [ksf]	0.0827103	2.94112
Over-consolidation Ratio	1	3.91974
Void Ratio	0	4.8553
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209091

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.91671
Total Consolidation Settlement [in]	0	4.83316
Virgin Consolidation Settlement [in]	0	3.94764
Recompression Consolidation Settlement [in]	0	0.885519
Immediate Settlement [in]	0	0.0835506
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.254587	0.560592
Loading Stress XX [ksf]	0.304849	0.632405
Loading Stress YY [ksf]	0.687408	0.972722
Effective Stress ZZ [ksf]	0.0326686	1.56331
Effective Stress XX [ksf]	0.237213	1.92176
Effective Stress YY [ksf]	0.475389	2.07263
Total Stress ZZ [ksf]	0.535938	3.67162
Total Stress XX [ksf]	0.735483	4.03007
Total Stress YY [ksf]	0.953206	4.18094
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000176076	0.799781
Pore Water Pressure [ksf]	0.301927	2.10831
Excess Pore Water Pressure [ksf]	0.0179128	0.310535
Degree of Consolidation [%]	0	77.2113
Pre-consolidation Stress [ksf]	0.094484	2.94112
Over-consolidation Ratio	1	3.76852
Void Ratio	0	4.84614
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0236514

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.63324
Total Consolidation Settlement [in]	0	5.53612
Virgin Consolidation Settlement [in]	0	4.56744
Recompression Consolidation Settlement [in]	0	0.968684
Immediate Settlement [in]	0	0.0971152
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.277233	0.649309
Loading Stress XX [ksf]	0.384473	0.741958
Loading Stress YY [ksf]	0.846174	1.12844
Effective Stress ZZ [ksf]	0.0349361	1.58122
Effective Stress XX [ksf]	0.329499	2.04923
Effective Stress YY [ksf]	0.645503	2.22873
Total Stress ZZ [ksf]	0.624655	3.69427
Total Stress XX [ksf]	0.907551	4.16227
Total Stress YY [ksf]	1.20442	4.34177
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000186815	0.845776
Pore Water Pressure [ksf]	0.336449	2.11305
Excess Pore Water Pressure [ksf]	0.022646	0.389177
Degree of Consolidation [%]	0	77.5461
Pre-consolidation Stress [ksf]	0.1056	2.94112
Over-consolidation Ratio	1	3.55712
Void Ratio	-0.0962475	4.83264
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0252809

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.36393
Total Consolidation Settlement [in]	0	6.25675
Virgin Consolidation Settlement [in]	0	5.20071
Recompression Consolidation Settlement [in]	0	1.05604
Immediate Settlement [in]	0	0.10718
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.294004	0.728953
Loading Stress XX [ksf]	0.48066	0.857443
Loading Stress YY [ksf]	1.01275	1.27469
Effective Stress ZZ [ksf]	0.0375298	1.60387
Effective Stress XX [ksf]	0.437183	2.18736
Effective Stress YY [ksf]	0.816874	2.3834
Total Stress ZZ [ksf]	0.7043	3.71104
Total Stress XX [ksf]	1.08718	4.29453
Total Stress YY [ksf]	1.45444	4.49057
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000246679	0.900302
Pore Water Pressure [ksf]	0.331177	2.10717
Excess Pore Water Pressure [ksf]	0.0167713	0.454338
Degree of Consolidation [%]	0	82.1219
Pre-consolidation Stress [ksf]	0.1056	2.94112
Over-consolidation Ratio	1	3.42753
Void Ratio	-0.415769	4.81499
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0273155

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.4974
Total Consolidation Settlement [in]	0	7.38387
Virgin Consolidation Settlement [in]	0	6.16932
Recompression Consolidation Settlement [in]	0	1.21455
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.0425309	1.62064
Effective Stress XX [ksf]	0.562702	2.3253
Effective Stress YY [ksf]	0.970335	2.51504
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.26235	4.42629
Total Stress YY [ksf]	1.66743	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000373472	0.947456
Pore Water Pressure [ksf]	0.315498	2.10098
Excess Pore Water Pressure [ksf]	0.0105833	0.494715
Degree of Consolidation [%]	0	88.0476
Pre-consolidation Stress [ksf]	0.108392	2.94112
Over-consolidation Ratio	1	3.24546
Void Ratio	-0.692092	4.76552
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0287986

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.17263
Total Consolidation Settlement [in]	0	9.0591
Virgin Consolidation Settlement [in]	0	7.67048
Recompression Consolidation Settlement [in]	0	1.38862
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.0644612	1.63122
Effective Stress XX [ksf]	0.59	2.33589
Effective Stress YY [ksf]	0.996861	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.27103	4.42629
Total Stress YY [ksf]	1.67612	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000491663	0.976212
Pore Water Pressure [ksf]	0.266109	2.0904
Excess Pore Water Pressure [ksf]	0	0.483873
Degree of Consolidation [%]	0	96.2345
Pre-consolidation Stress [ksf]	0.11328	2.94112
Over-consolidation Ratio	1	3.18444
Void Ratio	-0.860604	4.63143
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.571
Total Consolidation Settlement [in]	0	10.4575
Virgin Consolidation Settlement [in]	0	8.83492
Recompression Consolidation Settlement [in]	0	1.62254
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.101883	1.63122
Effective Stress XX [ksf]	0.645088	2.33589
Effective Stress YY [ksf]	1.04848	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.2783	4.42629
Total Stress YY [ksf]	1.68338	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000398259	0.976203
Pore Water Pressure [ksf]	0.273374	2.0904
Excess Pore Water Pressure [ksf]	0	0.46742
Degree of Consolidation [%]	0	98.6997
Pre-consolidation Stress [ksf]	0.13951	2.94112
Over-consolidation Ratio	1	3.16824
Void Ratio	-0.860548	4.25218
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.0696
Total Consolidation Settlement [in]	0	11.956
Virgin Consolidation Settlement [in]	0	10.112
Recompression Consolidation Settlement [in]	0	1.844
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.141446	1.63122
Effective Stress XX [ksf]	0.711701	2.33589
Effective Stress YY [ksf]	1.1055	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.28607	4.42629
Total Stress YY [ksf]	1.69116	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000243727	0.975306
Pore Water Pressure [ksf]	0.281149	2.0904
Excess Pore Water Pressure [ksf]	0	0.444364
Degree of Consolidation [%]	0	99.7756
Pre-consolidation Stress [ksf]	0.215476	2.94112
Over-consolidation Ratio	1	3.14167
Void Ratio	-0.855296	3.69579
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.1866
Total Consolidation Settlement [in]	0	13.0731
Virgin Consolidation Settlement [in]	0	10.9741
Recompression Consolidation Settlement [in]	0	2.09897
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.2149	1.63122
Effective Stress XX [ksf]	0.785893	2.33589
Effective Stress YY [ksf]	1.1797	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.29187	4.42629
Total Stress YY [ksf]	1.69696	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.0966e-005	0.974963
Pore Water Pressure [ksf]	0.286949	2.0904
Excess Pore Water Pressure [ksf]	0	0.421442
Degree of Consolidation [%]	0	99.9839
Pre-consolidation Stress [ksf]	0.290588	2.94112
Over-consolidation Ratio	1	3.10529
Void Ratio	-0.853281	3.31887
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.952
Total Consolidation Settlement [in]	0	13.8385
Virgin Consolidation Settlement [in]	0	11.538
Recompression Consolidation Settlement [in]	0	2.30043
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.240832	1.63122
Effective Stress XX [ksf]	0.846273	2.33589
Effective Stress YY [ksf]	1.2218	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.29585	4.42629
Total Stress YY [ksf]	1.70093	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000539938	0.974717
Pore Water Pressure [ksf]	0.290921	2.0904
Excess Pore Water Pressure [ksf]	0	0.397193
Degree of Consolidation [%]	0	99.9988
Pre-consolidation Stress [ksf]	0.344503	2.94112
Over-consolidation Ratio	1	3.01006
Void Ratio	-0.851844	3.15123
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.9968
Total Consolidation Settlement [in]	0	14.8833
Virgin Consolidation Settlement [in]	0	12.2867
Recompression Consolidation Settlement [in]	0	2.59662
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.311047	1.63122
Effective Stress XX [ksf]	0.917244	2.33589
Effective Stress YY [ksf]	1.29277	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.30127	4.42629
Total Stress YY [ksf]	1.70635	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.974465
Pore Water Pressure [ksf]	0.296342	2.0904
Excess Pore Water Pressure [ksf]	0	0.365936
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.415404	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.850364	2.97535
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.6342
Total Consolidation Settlement [in]	0	15.5206
Virgin Consolidation Settlement [in]	0	12.7087
Recompression Consolidation Settlement [in]	0	2.81195
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.376283	1.63122
Effective Stress XX [ksf]	0.98322	2.33589
Effective Stress YY [ksf]	1.35874	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.30457	4.42629
Total Stress YY [ksf]	1.70966	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.974306
Pore Water Pressure [ksf]	0.299649	2.0904
Excess Pore Water Pressure [ksf]	0	0.334369
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.463983	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.849434	2.88554
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.3246
Total Consolidation Settlement [in]	0	16.211
Virgin Consolidation Settlement [in]	0	13.0845
Recompression Consolidation Settlement [in]	0	3.12655
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.45198	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.30816	4.42629
Total Stress YY [ksf]	1.71324	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.974117
Pore Water Pressure [ksf]	0.303232	2.0904
Excess Pore Water Pressure [ksf]	0	0.260419
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.480333	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.848323	2.80603
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0297219

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.7054
Total Consolidation Settlement [in]	0	16.5919
Virgin Consolidation Settlement [in]	0	13.2505
Recompression Consolidation Settlement [in]	0	3.34144
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.457172	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31013	4.42629
Total Stress YY [ksf]	1.71521	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.97399
Pore Water Pressure [ksf]	0.305205	2.0904
Excess Pore Water Pressure [ksf]	0	0.190015
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.48202	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.847579	2.78211
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0310821

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.9785
Total Consolidation Settlement [in]	0	16.865
Virgin Consolidation Settlement [in]	0	13.3873
Recompression Consolidation Settlement [in]	0	3.47772
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.455757	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31155	4.42629
Total Stress YY [ksf]	1.71663	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.973882
Pore Water Pressure [ksf]	0.306621	2.0904
Excess Pore Water Pressure [ksf]	0	0.139076
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482143	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.846947	2.77568
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0323564

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.1583
Total Consolidation Settlement [in]	0	17.0447
Virgin Consolidation Settlement [in]	0	13.4673
Recompression Consolidation Settlement [in]	0	3.57739
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.454825	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31248	4.42629
Total Stress YY [ksf]	1.71756	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.97381
Pore Water Pressure [ksf]	0.307552	2.0904
Excess Pore Water Pressure [ksf]	0	0.0984548
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482164	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.846524	2.77158
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0330311

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.4356
Total Consolidation Settlement [in]	0	17.3221
Virgin Consolidation Settlement [in]	0	13.5654
Recompression Consolidation Settlement [in]	0	3.75668
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.453377	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31392	4.42629
Total Stress YY [ksf]	1.71901	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.973695
Pore Water Pressure [ksf]	0.309	2.0904
Excess Pore Water Pressure [ksf]	-3.52831e-048	0.0112071
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482164	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.845853	2.76704
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0339045

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.4608
Total Consolidation Settlement [in]	0	17.3473
Virgin Consolidation Settlement [in]	0	13.5721
Recompression Consolidation Settlement [in]	0	3.77519
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.453236	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31407	4.42629
Total Stress YY [ksf]	1.71915	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.973684
Pore Water Pressure [ksf]	0.309141	2.0904
Excess Pore Water Pressure [ksf]	-7.48965e-049	0.00117068
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482164	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.845786	2.76686
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0339727

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.4637
Total Consolidation Settlement [in]	0	17.3502
Virgin Consolidation Settlement [in]	0	13.5728
Recompression Consolidation Settlement [in]	0	3.7773
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.453221	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31408	4.42629
Total Stress YY [ksf]	1.71917	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.973682
Pore Water Pressure [ksf]	0.309157	2.0904
Excess Pore Water Pressure [ksf]	-3.14674e-050	1.24922e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482164	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.845778	2.76685
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0339803

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.4637
Total Consolidation Settlement [in]	0	17.3502
Virgin Consolidation Settlement [in]	0	13.5729
Recompression Consolidation Settlement [in]	0	3.77733
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.45322	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31408	4.42629
Total Stress YY [ksf]	1.71917	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.973682
Pore Water Pressure [ksf]	0.309157	2.0904
Excess Pore Water Pressure [ksf]	-4.8021e-010	1.42477e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482164	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.845778	2.76685
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0339803

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.4637
Total Consolidation Settlement [in]	0	17.3502
Virgin Consolidation Settlement [in]	0	13.5729
Recompression Consolidation Settlement [in]	0	3.77733
Immediate Settlement [in]	0	0.11353
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.304588	0.787031
Loading Stress XX [ksf]	0.591856	0.97862
Loading Stress YY [ksf]	1.16178	1.39977
Effective Stress ZZ [ksf]	0.45322	1.63122
Effective Stress XX [ksf]	1.00492	2.33589
Effective Stress YY [ksf]	1.41001	2.52562
Total Stress ZZ [ksf]	0.762378	3.72162
Total Stress XX [ksf]	1.31408	4.42629
Total Stress YY [ksf]	1.71917	4.61602
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000661026	0.973682
Pore Water Pressure [ksf]	0.309157	2.0904
Excess Pore Water Pressure [ksf]	-4.75484e-010	1.39834e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.482164	2.94112
Over-consolidation Ratio	1	2.90469
Void Ratio	-0.845778	2.76685
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0339803

Embankments

1. Embankment: "Embankment Load (Rock) to +4.5"

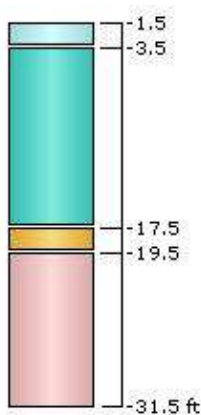
Label Embankment Load (Rock) to +4.5'
Center Line (0, -1000) to (0, 1000)
Number of Layers 9
Near End Angle 90 degrees
Far End Angle 90 degrees
Base Width 35

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	21.8	0.67	0.14	21.8	0
2	Stage 2 = 2 d	0	21.8	0.67	0.14	21.8	0
3	Stage 3 = 3 d	0	21.8	0.67	0.14	21.8	0
4	Stage 4 = 4 d	0	21.8	0.67	0.14	21.8	0
5	Stage 5 = 5 d	0	21.8	0.67	0.14	21.8	0
6	Stage 6 = 6 d	0	21.8	0.67	0.14	21.8	0
7	Stage 7 = 7 d	0	21.8	0.67	0.14	21.8	0
8	Stage 8 = 8 d	0	21.8	0.67	0.14	21.8	0
9	Stage 9 = 10 d	0	21.8	0.64	0.14	21.8	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	1.5	No
2	Very Soft Clay (CH) 2	14	3.5	Yes
3	Stiff Clay (CH) 4	2	17.5	Yes
4	Sand	12	19.5	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Stiff Clay (CH) 4	Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	4	3.1	4	-
Cv [ft ² /d]	0.03	0.07	0.07	-
Cvr [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-7 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-1A
 B-7/B-7A
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00568541
Total Consolidation Settlement [in]	-0.00276948	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00276948	0
Immediate Settlement [in]	0	0.00568541
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0265747	0.0439764
Loading Stress XX [ksf]	0.018428	0.0483731
Loading Stress YY [ksf]	0.0426126	0.0764795
Effective Stress ZZ [ksf]	-1.51627e-005	1.438
Effective Stress XX [ksf]	0.00712683	1.45619
Effective Stress YY [ksf]	0.0160223	1.4658
Total Stress ZZ [ksf]	0.234935	3.53839
Total Stress XX [ksf]	0.242077	3.55658
Total Stress YY [ksf]	0.250973	3.5662
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000395454	4.53148e-005
Pore Water Pressure [ksf]	0.23495	2.10039
Excess Pore Water Pressure [ksf]	0.00999208	0.0165351
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	2.94112
Over-consolidation Ratio	1	4.04047
Void Ratio	0	4.86232
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.629682
Total Consolidation Settlement [in]	0	0.618724
Virgin Consolidation Settlement [in]	0	0.364257
Recompression Consolidation Settlement [in]	0	0.254467
Immediate Settlement [in]	0	0.0109582
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0509161	0.0879586
Loading Stress XX [ksf]	0.0378862	0.0972465
Loading Stress YY [ksf]	0.0880727	0.153037
Effective Stress ZZ [ksf]	0.0105902	1.44799
Effective Stress XX [ksf]	0.025419	1.48456
Effective Stress YY [ksf]	0.0455604	1.50319
Total Stress ZZ [ksf]	0.251472	3.54754
Total Stress XX [ksf]	0.269024	3.58411
Total Stress YY [ksf]	0.287862	3.60274
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.71838e-005	0.206171
Pore Water Pressure [ksf]	0.238211	2.09955
Excess Pore Water Pressure [ksf]	0.00915236	0.0330427
Degree of Consolidation [%]	0	40.3061
Pre-consolidation Stress [ksf]	0.0141618	2.94112
Over-consolidation Ratio	1	4.00787
Void Ratio	0	4.86045
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00452636

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.1884
Total Consolidation Settlement [in]	0	1.17264
Virgin Consolidation Settlement [in]	0	0.771668
Recompression Consolidation Settlement [in]	0	0.40097
Immediate Settlement [in]	0	0.0157665
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0728483	0.131958
Loading Stress XX [ksf]	0.0582411	0.146508
Loading Stress YY [ksf]	0.135982	0.229574
Effective Stress ZZ [ksf]	0.0184397	1.45714
Effective Stress XX [ksf]	0.0427389	1.51223
Effective Stress YY [ksf]	0.0748048	1.53925
Total Stress ZZ [ksf]	0.268016	3.55579
Total Stress XX [ksf]	0.296094	3.61088
Total Stress YY [ksf]	0.325324	3.63789
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.87877e-005	0.347589
Pore Water Pressure [ksf]	0.241123	2.09865
Excess Pore Water Pressure [ksf]	0.00824653	0.0495141
Degree of Consolidation [%]	0	56.2448
Pre-consolidation Stress [ksf]	0.0256126	2.94112
Over-consolidation Ratio	1	4.01007
Void Ratio	0	4.86058
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00697507

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.72181
Total Consolidation Settlement [in]	0	1.70175
Virgin Consolidation Settlement [in]	0	1.19129
Recompression Consolidation Settlement [in]	0	0.510461
Immediate Settlement [in]	0	0.020059
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0922102	0.175992
Loading Stress XX [ksf]	0.0801447	0.196055
Loading Stress YY [ksf]	0.187095	0.305966
Effective Stress ZZ [ksf]	0.020367	1.46539
Effective Stress XX [ksf]	0.0541111	1.53911
Effective Stress YY [ksf]	0.0979888	1.57387
Total Stress ZZ [ksf]	0.284573	3.56307
Total Stress XX [ksf]	0.323667	3.63679
Total Stress YY [ksf]	0.36388	3.67155
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.61664e-005	0.431184
Pore Water Pressure [ksf]	0.243916	2.09768
Excess Pore Water Pressure [ksf]	0.00728008	0.0658876
Degree of Consolidation [%]	0	65.4718
Pre-consolidation Stress [ksf]	0.0382736	2.94112
Over-consolidation Ratio	1	4.00405
Void Ratio	0	4.86023
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0091475

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.15116
Total Consolidation Settlement [in]	0	2.12738
Virgin Consolidation Settlement [in]	0	1.51695
Recompression Consolidation Settlement [in]	0	0.610429
Immediate Settlement [in]	0	0.0237873
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.108861	0.220074
Loading Stress XX [ksf]	0.104283	0.245854
Loading Stress YY [ksf]	0.24249	0.381936
Effective Stress ZZ [ksf]	0.0233625	1.47267
Effective Stress XX [ksf]	0.0675614	1.56511
Effective Stress YY [ksf]	0.124056	1.60696
Total Stress ZZ [ksf]	0.301148	3.56933
Total Stress XX [ksf]	0.351556	3.66177
Total Stress YY [ksf]	0.403521	3.70363
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.94354e-005	0.497061
Pore Water Pressure [ksf]	0.246172	2.09666
Excess Pore Water Pressure [ksf]	0.00626081	0.0820748
Degree of Consolidation [%]	0	71.8503
Pre-consolidation Stress [ksf]	0.0499062	2.94112
Over-consolidation Ratio	1	3.98169
Void Ratio	0	4.85894
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0110326

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.50905
Total Consolidation Settlement [in]	0	2.48214
Virgin Consolidation Settlement [in]	0	1.77559
Recompression Consolidation Settlement [in]	0	0.706544
Immediate Settlement [in]	0	0.0269088
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.122687	0.264172
Loading Stress XX [ksf]	0.131705	0.296091
Loading Stress YY [ksf]	0.303588	0.456936
Effective Stress ZZ [ksf]	0.0273508	1.47893
Effective Stress XX [ksf]	0.0833947	1.59026
Effective Stress YY [ksf]	0.153352	1.63843
Total Stress ZZ [ksf]	0.317729	3.57453
Total Stress XX [ksf]	0.38031	3.68586
Total Stress YY [ksf]	0.444938	3.73403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.62891e-005	0.549411
Pore Water Pressure [ksf]	0.248041	2.0956
Excess Pore Water Pressure [ksf]	0.00519862	0.0978361
Degree of Consolidation [%]	0	76.7592
Pre-consolidation Stress [ksf]	0.0572529	2.94112
Over-consolidation Ratio	1	3.93699
Void Ratio	0	4.85633
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126192

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.86939
Total Consolidation Settlement [in]	0	2.84
Virgin Consolidation Settlement [in]	0	2.06541
Recompression Consolidation Settlement [in]	0	0.774583
Immediate Settlement [in]	0	0.0293893
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.133605	0.308006
Loading Stress XX [ksf]	0.16432	0.347522
Loading Stress YY [ksf]	0.371813	0.530382
Effective Stress ZZ [ksf]	0.0304595	1.48413
Effective Stress XX [ksf]	0.103569	1.6148
Effective Stress YY [ksf]	0.1874	1.6681
Total Stress ZZ [ksf]	0.33421	3.57864
Total Stress XX [ksf]	0.41093	3.7093
Total Stress YY [ksf]	0.488948	3.76261
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.57396e-005	0.591
Pore Water Pressure [ksf]	0.249817	2.09451
Excess Pore Water Pressure [ksf]	0.00410507	0.112692
Degree of Consolidation [%]	0	80.8303
Pre-consolidation Stress [ksf]	0.0648084	2.94112
Over-consolidation Ratio	1	3.86434
Void Ratio	0	4.85202
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0138976

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.28201
Total Consolidation Settlement [in]	0	3.25081
Virgin Consolidation Settlement [in]	0	2.42967
Recompression Consolidation Settlement [in]	0	0.821139
Immediate Settlement [in]	0	0.0312053
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141565	0.350221
Loading Stress XX [ksf]	0.205331	0.402104
Loading Stress YY [ksf]	0.446787	0.599547
Effective Stress ZZ [ksf]	0.0321041	1.48824
Effective Stress XX [ksf]	0.123288	1.63943
Effective Stress YY [ksf]	0.221478	1.69545
Total Stress ZZ [ksf]	0.350083	3.58163
Total Stress XX [ksf]	0.44437	3.73282
Total Stress YY [ksf]	0.535158	3.78884
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.51483e-005	0.624024
Pore Water Pressure [ksf]	0.251356	2.09339
Excess Pore Water Pressure [ksf]	0.00299286	0.125608
Degree of Consolidation [%]	0	84.4028
Pre-consolidation Stress [ksf]	0.0740843	2.94112
Over-consolidation Ratio	1	3.79831
Void Ratio	0	4.84543
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0148614

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.94466
Total Consolidation Settlement [in]	0	3.91153
Virgin Consolidation Settlement [in]	0	2.99712
Recompression Consolidation Settlement [in]	0	0.914407
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.0361543	1.49123
Effective Stress XX [ksf]	0.16472	1.68211
Effective Stress YY [ksf]	0.272609	1.73418
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.505122	3.77569
Total Stress YY [ksf]	0.609539	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.20571e-005	0.654656
Pore Water Pressure [ksf]	0.261778	2.09357
Excess Pore Water Pressure [ksf]	0.00317144	0.140721
Degree of Consolidation [%]	0	87.242
Pre-consolidation Stress [ksf]	0.0847381	2.94112
Over-consolidation Ratio	1	3.73548
Void Ratio	0	4.82602
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0154037

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.84027
Total Consolidation Settlement [in]	0	4.80714
Virgin Consolidation Settlement [in]	0	3.71498
Recompression Consolidation Settlement [in]	0	1.09216
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.0442015	1.4944
Effective Stress XX [ksf]	0.175437	1.68529
Effective Stress YY [ksf]	0.283385	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.509773	3.77569
Total Stress YY [ksf]	0.61419	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000123003	0.690792
Pore Water Pressure [ksf]	0.243579	2.0904
Excess Pore Water Pressure [ksf]	0	0.137876
Degree of Consolidation [%]	0	96.0799
Pre-consolidation Stress [ksf]	0.100045	2.94112
Over-consolidation Ratio	1	3.6529
Void Ratio	0	4.77183
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.40682
Total Consolidation Settlement [in]	0	5.37369
Virgin Consolidation Settlement [in]	0	4.07589
Recompression Consolidation Settlement [in]	0	1.2978
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.0623392	1.4944
Effective Stress XX [ksf]	0.194062	1.68529
Effective Stress YY [ksf]	0.302027	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.51272	3.77569
Total Stress YY [ksf]	0.617137	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000105536	0.690448
Pore Water Pressure [ksf]	0.246527	2.0904
Excess Pore Water Pressure [ksf]	0	0.133793
Degree of Consolidation [%]	0	98.6427
Pre-consolidation Stress [ksf]	0.108845	2.94112
Over-consolidation Ratio	1	3.61372
Void Ratio	0	4.67797
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.00357
Total Consolidation Settlement [in]	0	5.97043
Virgin Consolidation Settlement [in]	0	4.47327
Recompression Consolidation Settlement [in]	0	1.49716
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.100993	1.4944
Effective Stress XX [ksf]	0.233707	1.68529
Effective Stress YY [ksf]	0.341672	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.515823	3.77569
Total Stress YY [ksf]	0.62024	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.5184e-005	0.689377
Pore Water Pressure [ksf]	0.24963	2.0904
Excess Pore Water Pressure [ksf]	0	0.128119
Degree of Consolidation [%]	0	99.7655
Pre-consolidation Stress [ksf]	0.11328	2.94112
Over-consolidation Ratio	1	3.60551
Void Ratio	0	4.57489
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.41476
Total Consolidation Settlement [in]	0	6.38163
Virgin Consolidation Settlement [in]	0	4.70109
Recompression Consolidation Settlement [in]	0	1.68054
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.121164	1.4944
Effective Stress XX [ksf]	0.26205	1.68529
Effective Stress YY [ksf]	0.36838	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.517962	3.77569
Total Stress YY [ksf]	0.622379	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.14669e-006	0.688689
Pore Water Pressure [ksf]	0.251769	2.0904
Excess Pore Water Pressure [ksf]	0	0.121399
Degree of Consolidation [%]	0	99.9832
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.60392
Void Ratio	0	4.46716
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.72526
Total Consolidation Settlement [in]	0	6.69212
Virgin Consolidation Settlement [in]	0	4.9032
Recompression Consolidation Settlement [in]	0	1.78892
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.119548	1.4944
Effective Stress XX [ksf]	0.265198	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.519578	3.77569
Total Stress YY [ksf]	0.623995	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000151296	0.688303
Pore Water Pressure [ksf]	0.253385	2.0904
Excess Pore Water Pressure [ksf]	0	0.114889
Degree of Consolidation [%]	0	99.9988
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.60381
Void Ratio	0	4.37831
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.11341
Total Consolidation Settlement [in]	0	7.08028
Virgin Consolidation Settlement [in]	0	5.14467
Recompression Consolidation Settlement [in]	0	1.93561
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.117528	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.521598	3.77569
Total Stress YY [ksf]	0.626015	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.687833
Pore Water Pressure [ksf]	0.255404	2.0904
Excess Pore Water Pressure [ksf]	0	0.106039
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.28041
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.34986
Total Consolidation Settlement [in]	0	7.31673
Virgin Consolidation Settlement [in]	0	5.2774
Recompression Consolidation Settlement [in]	0	2.03933
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.116303	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.522823	3.77569
Total Stress YY [ksf]	0.62724	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.687532
Pore Water Pressure [ksf]	0.25663	2.0904
Excess Pore Water Pressure [ksf]	0	0.0975453
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.23468
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.59577
Total Consolidation Settlement [in]	0	7.56264
Virgin Consolidation Settlement [in]	0	5.38565
Recompression Consolidation Settlement [in]	0	2.17699
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.11503	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.524096	3.77569
Total Stress YY [ksf]	0.628513	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.6872
Pore Water Pressure [ksf]	0.257903	2.0904
Excess Pore Water Pressure [ksf]	0	0.0772221
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.19579
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.71516
Total Consolidation Settlement [in]	0	7.68203
Virgin Consolidation Settlement [in]	0	5.41392
Recompression Consolidation Settlement [in]	0	2.26811
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.114409	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.524718	3.77569
Total Stress YY [ksf]	0.629135	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.687023
Pore Water Pressure [ksf]	0.258524	2.0904
Excess Pore Water Pressure [ksf]	0	0.0588823
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18494
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.78506
Total Consolidation Settlement [in]	0	7.75193
Virgin Consolidation Settlement [in]	0	5.41989
Recompression Consolidation Settlement [in]	0	2.33203
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.114049	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.525077	3.77569
Total Stress YY [ksf]	0.629494	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686914
Pore Water Pressure [ksf]	0.258884	2.0904
Excess Pore Water Pressure [ksf]	0	0.0443988
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18222
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.83512
Total Consolidation Settlement [in]	0	7.80198
Virgin Consolidation Settlement [in]	0	5.42078
Recompression Consolidation Settlement [in]	0	2.38121
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.11379	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.525336	3.77569
Total Stress YY [ksf]	0.629753	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686833
Pore Water Pressure [ksf]	0.259142	2.0904
Excess Pore Water Pressure [ksf]	0	0.0326067
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18185
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.94152
Total Consolidation Settlement [in]	0	7.90839
Virgin Consolidation Settlement [in]	0	5.42089
Recompression Consolidation Settlement [in]	0	2.4875
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.113234	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.525892	3.77569
Total Stress YY [ksf]	0.630309	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686653
Pore Water Pressure [ksf]	0.259699	2.0904
Excess Pore Water Pressure [ksf]	-2.77332e-048	0.00593253
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18214
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.95984
Total Consolidation Settlement [in]	0	7.9267
Virgin Consolidation Settlement [in]	0	5.42089
Recompression Consolidation Settlement [in]	0	2.50581
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.113132	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.525994	3.77569
Total Stress YY [ksf]	0.630411	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686619
Pore Water Pressure [ksf]	0.259801	2.0904
Excess Pore Water Pressure [ksf]	-2.21945e-049	0.00105939
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18221
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.96367
Total Consolidation Settlement [in]	0	7.93054
Virgin Consolidation Settlement [in]	0	5.42089
Recompression Consolidation Settlement [in]	0	2.50965
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.113111	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.526015	3.77569
Total Stress YY [ksf]	0.630432	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686613
Pore Water Pressure [ksf]	0.259822	2.0904
Excess Pore Water Pressure [ksf]	-3.02118e-006	3.36748e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18222
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.96379
Total Consolidation Settlement [in]	0	7.93066
Virgin Consolidation Settlement [in]	0	5.42089
Recompression Consolidation Settlement [in]	0	2.50977
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.11311	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.526016	3.77569
Total Stress YY [ksf]	0.630433	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686612
Pore Water Pressure [ksf]	0.259823	2.0904
Excess Pore Water Pressure [ksf]	-3.27734e-006	1.11557e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18222
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.96379
Total Consolidation Settlement [in]	0	7.93066
Virgin Consolidation Settlement [in]	0	5.42089
Recompression Consolidation Settlement [in]	0	2.50977
Immediate Settlement [in]	0	0.0331337
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146861	0.388378
Loading Stress XX [ksf]	0.26287	0.468391
Loading Stress YY [ksf]	0.527085	0.664486
Effective Stress ZZ [ksf]	0.11311	1.4944
Effective Stress XX [ksf]	0.266193	1.68529
Effective Stress YY [ksf]	0.37061	1.73735
Total Stress ZZ [ksf]	0.372933	3.5848
Total Stress XX [ksf]	0.526016	3.77569
Total Stress YY [ksf]	0.630433	3.82775
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000192949	0.686612
Pore Water Pressure [ksf]	0.259823	2.0904
Excess Pore Water Pressure [ksf]	-3.22365e-006	1.09716e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.131902	2.94112
Over-consolidation Ratio	1	3.6038
Void Ratio	0	4.18222
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.015739

Embankments

1. Embankment: "Embankment Load to +2.5"

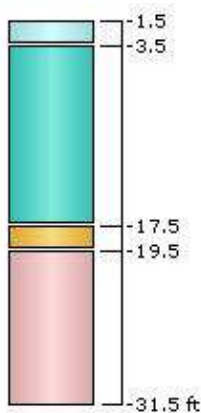
Label Embankment Load to +2.5'
Center Line (0, -1000) to (0, 1000)
Number of Layers 9
Near End Angle 90 degrees
Far End Angle 90 degrees
Base Width 36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.1	14	0
2	Stage 2 = 2 d	0	14	0.44	0.1	14	0
3	Stage 3 = 3 d	0	14	0.44	0.1	14	0
4	Stage 4 = 4 d	0	14	0.44	0.1	14	0
5	Stage 5 = 5 d	0	14	0.44	0.1	14	0
6	Stage 6 = 6 d	0	14	0.44	0.1	14	0
7	Stage 7 = 7 d	0	14	0.44	0.1	14	0
8	Stage 8 = 8 d	0	14	0.44	0.1	14	0
9	Stage 9 = 10 d	0	14	0.48	0.1	14	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	1.5	No
2	Very Soft Clay (CH) 2	14	3.5	Yes
3	Stiff Clay (CH) 4	2	17.5	Yes
4	Sand	12	19.5	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Stiff Clay (CH) 4	Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	4	3.1	4	-
Cv [ft ² /d]	0.03	0.07	0.07	-
Cvr [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-7 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-1A
 B-7/B-7A
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.0102506
Total Consolidation Settlement [in]	-0.00500091	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00500091	0
Immediate Settlement [in]	0	0.0102506
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0502467	0.066984
Loading Stress XX [ksf]	0.0274218	0.0699394
Loading Stress YY [ksf]	0.0663556	0.115902
Effective Stress ZZ [ksf]	-2.72981e-005	1.438
Effective Stress XX [ksf]	0.0103106	1.4643
Effective Stress YY [ksf]	0.0249497	1.48152
Total Stress ZZ [ksf]	0.243586	3.54729
Total Stress XX [ksf]	0.253924	3.57359
Total Stress YY [ksf]	0.268563	3.59081
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000715326	7.76343e-005
Pore Water Pressure [ksf]	0.243613	2.10929
Excess Pore Water Pressure [ksf]	0.0188927	0.025186
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	2.94112
Over-consolidation Ratio	1	4.07351
Void Ratio	0	4.86419
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.88558
Total Consolidation Settlement [in]	0	0.865655
Virgin Consolidation Settlement [in]	0	0.566915
Recompression Consolidation Settlement [in]	0	0.29874
Immediate Settlement [in]	0	0.0199242
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0969303	0.133959
Loading Stress XX [ksf]	0.0565509	0.141585
Loading Stress YY [ksf]	0.135667	0.231693
Effective Stress ZZ [ksf]	0.012443	1.45689
Effective Stress XX [ksf]	0.0348737	1.51013
Effective Stress YY [ksf]	0.0650911	1.54363
Total Stress ZZ [ksf]	0.268768	3.56485
Total Stress XX [ksf]	0.294637	3.61808
Total Stress YY [ksf]	0.324384	3.65158
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000139314	0.290598
Pore Water Pressure [ksf]	0.248188	2.10795
Excess Pore Water Pressure [ksf]	0.0175531	0.0503492
Degree of Consolidation [%]	0	40.2504
Pre-consolidation Stress [ksf]	0.0208931	2.94112
Over-consolidation Ratio	1	4.01421
Void Ratio	0	4.86082
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0076535

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.6376
Total Consolidation Settlement [in]	0	1.60872
Virgin Consolidation Settlement [in]	0	1.14279
Recompression Consolidation Settlement [in]	0	0.465928
Immediate Settlement [in]	0	0.028886
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.13947	0.200915
Loading Stress XX [ksf]	0.0878568	0.214741
Loading Stress YY [ksf]	0.208743	0.347212
Effective Stress ZZ [ksf]	0.0190262	1.47445
Effective Stress XX [ksf]	0.0553151	1.55519
Effective Stress YY [ksf]	0.102581	1.60383
Total Stress ZZ [ksf]	0.293944	3.58084
Total Stress XX [ksf]	0.335495	3.66158
Total Stress YY [ksf]	0.380948	3.71022
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000182302	0.43049
Pore Water Pressure [ksf]	0.252092	2.10639
Excess Pore Water Pressure [ksf]	0.0159948	0.0754645
Degree of Consolidation [%]	0	56.1931
Pre-consolidation Stress [ksf]	0.0366358	2.94112
Over-consolidation Ratio	1	4.01861
Void Ratio	0	4.86107
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0117713

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.23732
Total Consolidation Settlement [in]	0	2.20033
Virgin Consolidation Settlement [in]	0	1.60365
Recompression Consolidation Settlement [in]	0	0.596683
Immediate Settlement [in]	0	0.0369849
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.177276	0.267826
Loading Stress XX [ksf]	0.121967	0.28913
Loading Stress YY [ksf]	0.286795	0.462015
Effective Stress ZZ [ksf]	0.0219557	1.49044
Effective Stress XX [ksf]	0.0725159	1.59915
Effective Stress YY [ksf]	0.137056	1.66161
Total Stress ZZ [ksf]	0.319103	3.59506
Total Stress XX [ksf]	0.376607	3.70377
Total Stress YY [ksf]	0.438583	3.76623
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000161193	0.522678
Pore Water Pressure [ksf]	0.255204	2.10461
Excess Pore Water Pressure [ksf]	0.014215	0.100462
Degree of Consolidation [%]	0	65.4469
Pre-consolidation Stress [ksf]	0.0511575	2.94112
Over-consolidation Ratio	1	4.00971
Void Ratio	0	4.86056
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0154222

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.70906
Total Consolidation Settlement [in]	0	2.665
Virgin Consolidation Settlement [in]	0	1.94488
Recompression Consolidation Settlement [in]	0	0.720121
Immediate Settlement [in]	0	0.0440613
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.209785	0.334608
Loading Stress XX [ksf]	0.159794	0.3644
Loading Stress YY [ksf]	0.371634	0.575691
Effective Stress ZZ [ksf]	0.0264688	1.50466
Effective Stress XX [ksf]	0.0929052	1.64167
Effective Stress YY [ksf]	0.175926	1.71654
Total Stress ZZ [ksf]	0.344213	3.60728
Total Stress XX [ksf]	0.418398	3.74429
Total Stress YY [ksf]	0.49805	3.81916
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000109482	0.590701
Pore Water Pressure [ksf]	0.257613	2.10262
Excess Pore Water Pressure [ksf]	0.0122235	0.125172
Degree of Consolidation [%]	0	71.8896
Pre-consolidation Stress [ksf]	0.0619535	2.94112
Over-consolidation Ratio	1	3.97607
Void Ratio	0	4.85861
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0185844

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.23854
Total Consolidation Settlement [in]	0	3.18491
Virgin Consolidation Settlement [in]	0	2.40405
Recompression Consolidation Settlement [in]	0	0.780866
Immediate Settlement [in]	0	0.0536234
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.236502	0.400985
Loading Stress XX [ksf]	0.202795	0.440223
Loading Stress YY [ksf]	0.465877	0.687686
Effective Stress ZZ [ksf]	0.0300783	1.51688
Effective Stress XX [ksf]	0.129873	1.70011
Effective Stress YY [ksf]	0.245481	1.79276
Total Stress ZZ [ksf]	0.384673	3.62356
Total Stress XX [ksf]	0.487833	3.8068
Total Stress YY [ksf]	0.59872	3.89945
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000104457	0.640825
Pore Water Pressure [ksf]	0.275727	2.10669
Excess Pore Water Pressure [ksf]	0.0162853	0.164252
Degree of Consolidation [%]	0	71.7593
Pre-consolidation Stress [ksf]	0.0739228	2.94112
Over-consolidation Ratio	1	3.90626
Void Ratio	0	4.85451
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0206557

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.89226
Total Consolidation Settlement [in]	0	3.82644
Virgin Consolidation Settlement [in]	0	2.98811
Recompression Consolidation Settlement [in]	0	0.838334
Immediate Settlement [in]	0	0.0658167
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.257037	0.465945
Loading Stress XX [ksf]	0.253573	0.5168
Loading Stress YY [ksf]	0.572464	0.796937
Effective Stress ZZ [ksf]	0.0318937	1.53316
Effective Stress XX [ksf]	0.189042	1.79297
Effective Stress YY [ksf]	0.363683	1.91056
Total Stress ZZ [ksf]	0.449633	3.6441
Total Stress XX [ksf]	0.606978	3.90391
Total Stress YY [ksf]	0.773673	4.02149
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000116195	0.700473
Pore Water Pressure [ksf]	0.303634	2.11094
Excess Pore Water Pressure [ksf]	0.0205353	0.224604
Degree of Consolidation [%]	0	71.9784
Pre-consolidation Stress [ksf]	0.081027	2.94112
Over-consolidation Ratio	1	3.7923
Void Ratio	0	4.84764
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0221382

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.65983
Total Consolidation Settlement [in]	0	4.58558
Virgin Consolidation Settlement [in]	0	3.68301
Recompression Consolidation Settlement [in]	0	0.902568
Immediate Settlement [in]	0	0.0742527
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.271139	0.525608
Loading Stress XX [ksf]	0.317164	0.596795
Loading Stress YY [ksf]	0.690248	0.900706
Effective Stress ZZ [ksf]	0.0343411	1.5537
Effective Stress XX [ksf]	0.260366	1.8935
Effective Stress YY [ksf]	0.48595	2.02781
Total Stress ZZ [ksf]	0.509296	3.6582
Total Stress XX [ksf]	0.734224	3.99801
Total Stress YY [ksf]	0.955112	4.13231
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000139155	0.772012
Pore Water Pressure [ksf]	0.302329	2.1045
Excess Pore Water Pressure [ksf]	0.0141025	0.275506
Degree of Consolidation [%]	0	78.7187
Pre-consolidation Stress [ksf]	0.0906161	2.94112
Over-consolidation Ratio	1	3.63642
Void Ratio	0	4.83786
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.024018

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.81751
Total Consolidation Settlement [in]	0	5.73883
Virgin Consolidation Settlement [in]	0	4.69391
Recompression Consolidation Settlement [in]	0	1.04493
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.0386457	1.5678
Effective Stress XX [ksf]	0.350262	1.99444
Effective Stress YY [ksf]	0.593894	2.12301
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.860376	4.09221
Total Stress YY [ksf]	1.10633	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000211052	0.830945
Pore Water Pressure [ksf]	0.289067	2.09777
Excess Pore Water Pressure [ksf]	0.0073732	0.304314
Degree of Consolidation [%]	0	86.8322
Pre-consolidation Stress [ksf]	0.1056	2.94112
Over-consolidation Ratio	1	3.48576
Void Ratio	-0.00934059	4.80889
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.025307

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.15118
Total Consolidation Settlement [in]	0	7.07251
Virgin Consolidation Settlement [in]	0	5.80282
Recompression Consolidation Settlement [in]	0	1.26969
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.0515386	1.57518
Effective Stress XX [ksf]	0.366199	2.00181
Effective Stress YY [ksf]	0.609291	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.867299	4.09221
Total Stress YY [ksf]	1.11325	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000281546	0.864179
Pore Water Pressure [ksf]	0.255595	2.0904
Excess Pore Water Pressure [ksf]	0	0.298587
Degree of Consolidation [%]	0	95.8153
Pre-consolidation Stress [ksf]	0.11328	2.94112
Over-consolidation Ratio	1	3.29747
Void Ratio	-0.204089	4.70997
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.28289
Total Consolidation Settlement [in]	0	8.20421
Virgin Consolidation Settlement [in]	0	6.71334
Recompression Consolidation Settlement [in]	0	1.49087
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.0848064	1.57518
Effective Stress XX [ksf]	0.406336	2.00181
Effective Stress YY [ksf]	0.648605	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.873184	4.09221
Total Stress YY [ksf]	1.11913	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000227664	0.86389
Pore Water Pressure [ksf]	0.261481	2.0904
Excess Pore Water Pressure [ksf]	0	0.289571
Degree of Consolidation [%]	0	98.5541
Pre-consolidation Stress [ksf]	0.11328	2.94112
Over-consolidation Ratio	1	3.21125
Void Ratio	-0.202394	4.54442
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.38051
Total Consolidation Settlement [in]	0	9.30183
Virgin Consolidation Settlement [in]	0	7.58783
Recompression Consolidation Settlement [in]	0	1.714
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.132021	1.57518
Effective Stress XX [ksf]	0.465162	2.00181
Effective Stress YY [ksf]	0.703518	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.878891	4.09221
Total Stress YY [ksf]	1.12484	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000130453	0.862976
Pore Water Pressure [ksf]	0.267188	2.0904
Excess Pore Water Pressure [ksf]	0	0.276477
Degree of Consolidation [%]	0	99.7504
Pre-consolidation Stress [ksf]	0.166766	2.94112
Over-consolidation Ratio	1	3.1926
Void Ratio	-0.197041	4.13775
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.2144
Total Consolidation Settlement [in]	0	10.1357
Virgin Consolidation Settlement [in]	0	8.20717
Recompression Consolidation Settlement [in]	0	1.92855
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.178558	1.57518
Effective Stress XX [ksf]	0.519839	2.00181
Effective Stress YY [ksf]	0.755373	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.883212	4.09221
Total Stress YY [ksf]	1.12916	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	1.562e-005	0.862338
Pore Water Pressure [ksf]	0.271509	2.0904
Excess Pore Water Pressure [ksf]	0	0.26383
Degree of Consolidation [%]	0	99.9821
Pre-consolidation Stress [ksf]	0.216289	2.94112
Over-consolidation Ratio	1	3.18936
Void Ratio	-0.193298	3.83659
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.7876
Total Consolidation Settlement [in]	0	10.7089
Virgin Consolidation Settlement [in]	0	8.61705
Recompression Consolidation Settlement [in]	0	2.09183
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.223019	1.57518
Effective Stress XX [ksf]	0.564832	2.00181
Effective Stress YY [ksf]	0.800366	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.886193	4.09221
Total Stress YY [ksf]	1.13214	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000370776	0.86204
Pore Water Pressure [ksf]	0.27449	2.0904
Excess Pore Water Pressure [ksf]	0	0.249642
Degree of Consolidation [%]	0	99.9987
Pre-consolidation Stress [ksf]	0.247945	2.94112
Over-consolidation Ratio	1	3.18912
Void Ratio	-0.191552	3.67829
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.5825
Total Consolidation Settlement [in]	0	11.5039
Virgin Consolidation Settlement [in]	0	9.17835
Recompression Consolidation Settlement [in]	0	2.3255
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.271085	1.57518
Effective Stress XX [ksf]	0.603058	2.00181
Effective Stress YY [ksf]	0.846726	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.890309	4.09221
Total Stress YY [ksf]	1.13626	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.861669
Pore Water Pressure [ksf]	0.278606	2.0904
Excess Pore Water Pressure [ksf]	0	0.232899
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.279961	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.189383	3.52576
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.0463
Total Consolidation Settlement [in]	0	11.9676
Virgin Consolidation Settlement [in]	0	9.47289
Recompression Consolidation Settlement [in]	0	2.49469
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.268683	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.892711	4.09221
Total Stress YY [ksf]	1.13866	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.861448
Pore Water Pressure [ksf]	0.281007	2.0904
Excess Pore Water Pressure [ksf]	0	0.213526
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.28782	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.188086	3.44362
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.5758
Total Consolidation Settlement [in]	0	12.4971
Virgin Consolidation Settlement [in]	0	9.75509
Recompression Consolidation Settlement [in]	0	2.742
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.265943	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.89545	4.09221
Total Stress YY [ksf]	1.1414	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.861162
Pore Water Pressure [ksf]	0.283747	2.0904
Excess Pore Water Pressure [ksf]	0	0.166522
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.290709	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.186411	3.37921
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.8384
Total Consolidation Settlement [in]	0	12.7597
Virgin Consolidation Settlement [in]	0	9.85964
Recompression Consolidation Settlement [in]	0	2.90004
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.264586	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.896808	4.09221
Total Stress YY [ksf]	1.14276	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.861004
Pore Water Pressure [ksf]	0.285105	2.0904
Excess Pore Water Pressure [ksf]	0	0.123758
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.185483	3.35703
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.9852
Total Consolidation Settlement [in]	0	12.9065
Virgin Consolidation Settlement [in]	0	9.89735
Recompression Consolidation Settlement [in]	0	3.00915
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.263827	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.897567	4.09221
Total Stress YY [ksf]	1.14352	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860909
Pore Water Pressure [ksf]	0.285863	2.0904
Excess Pore Water Pressure [ksf]	0	0.0911124
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.184924	3.34926
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.0817
Total Consolidation Settlement [in]	0	13.003
Virgin Consolidation Settlement [in]	0	9.91174
Recompression Consolidation Settlement [in]	0	3.09124
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.263328	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.898066	4.09221
Total Stress YY [ksf]	1.14402	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860842
Pore Water Pressure [ksf]	0.286363	2.0904
Excess Pore Water Pressure [ksf]	0	0.0669871
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.184536	3.34648
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2563
Total Consolidation Settlement [in]	0	13.1777
Virgin Consolidation Settlement [in]	0	9.92232
Recompression Consolidation Settlement [in]	0	3.25535
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.262415	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.898979	4.09221
Total Stress YY [ksf]	1.14493	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860715
Pore Water Pressure [ksf]	0.287275	2.0904
Excess Pore Water Pressure [ksf]	-1.79682e-047	0.0104311
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.183787	3.34552
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2808
Total Consolidation Settlement [in]	0	13.2021
Virgin Consolidation Settlement [in]	0	9.92314
Recompression Consolidation Settlement [in]	0	3.27896
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.26228	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.899114	4.09221
Total Stress YY [ksf]	1.14506	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860695
Pore Water Pressure [ksf]	0.28741	2.0904
Excess Pore Water Pressure [ksf]	-4.28088e-049	0.00157071
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.183674	3.34555
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.285
Total Consolidation Settlement [in]	0	13.2063
Virgin Consolidation Settlement [in]	0	9.92328
Recompression Consolidation Settlement [in]	0	3.28302
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.262257	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.899137	4.09221
Total Stress YY [ksf]	1.14509	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860692
Pore Water Pressure [ksf]	0.287434	2.0904
Excess Pore Water Pressure [ksf]	-1.64189e-049	3.54626e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.183655	3.34555
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2851
Total Consolidation Settlement [in]	0	13.2064
Virgin Consolidation Settlement [in]	0	9.92329
Recompression Consolidation Settlement [in]	0	3.28311
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.262256	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.899138	4.09221
Total Stress YY [ksf]	1.14509	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860692
Pore Water Pressure [ksf]	0.287434	2.0904
Excess Pore Water Pressure [ksf]	-8.92299e-008	3.03886e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.183654	3.34555
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2851
Total Consolidation Settlement [in]	0	13.2064
Virgin Consolidation Settlement [in]	0	9.92329
Recompression Consolidation Settlement [in]	0	3.28311
Immediate Settlement [in]	0	0.0786766
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.278513	0.566003
Loading Stress XX [ksf]	0.396915	0.683627
Loading Stress YY [ksf]	0.79506	0.986195
Effective Stress ZZ [ksf]	0.262256	1.57518
Effective Stress XX [ksf]	0.611703	2.00181
Effective Stress YY [ksf]	0.857653	2.13038
Total Stress ZZ [ksf]	0.54969	3.66558
Total Stress XX [ksf]	0.899138	4.09221
Total Stress YY [ksf]	1.14509	4.22078
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000469272	0.860692
Pore Water Pressure [ksf]	0.287434	2.0904
Excess Pore Water Pressure [ksf]	-8.77996e-008	2.98551e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.291425	2.94112
Over-consolidation Ratio	1	3.1891
Void Ratio	-0.183654	3.34555
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259783

Embankments

1. Embankment: "Embankment Load to +4.5"

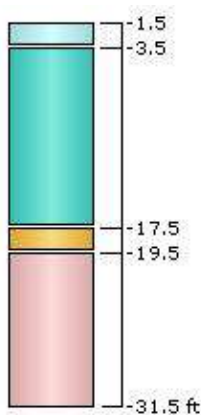
Label Embankment Load to +4.5'
Center Line (0, -1000) to (0, 1000)
Number of Layers 9
Near End Angle 90 degrees
Far End Angle 90 degrees
Base Width 52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.1	14	0
2	Stage 2 = 2 d	0	14	0.67	0.1	14	0
3	Stage 3 = 3 d	0	14	0.67	0.1	14	0
4	Stage 4 = 4 d	0	14	0.67	0.1	14	0
5	Stage 5 = 5 d	0	14	0.67	0.1	14	0
6	Stage 6 = 6 d	0	14	0.67	0.1	14	0
7	Stage 7 = 7 d	0	14	0.67	0.1	14	0
8	Stage 8 = 8 d	0	14	0.67	0.1	14	0
9	Stage 9 = 10 d	0	14	0.64	0.1	14	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	1.5	No
2	Very Soft Clay (CH) 2	14	3.5	Yes
3	Stiff Clay (CH) 4	2	17.5	Yes
4	Sand	12	19.5	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Stiff Clay (CH) 4	Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	4	3.1	4	-
Cv [ft ² /d]	0.03	0.07	0.07	-
Cvr [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-8 Rock Breakwater to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/09/18

Comments

III-2A
 B-8/C-4 (Cell 1)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00249282
Total Consolidation Settlement [in]	-0.0015424	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.0015424	0
Immediate Settlement [in]	0	0.00249282
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0180641	0.0615834
Loading Stress XX [ksf]	0.0252258	0.0719858
Loading Stress YY [ksf]	0.0609908	0.106607
Effective Stress ZZ [ksf]	-1.29627e-005	2.44
Effective Stress XX [ksf]	0.0139823	2.4799
Effective Stress YY [ksf]	0.0338063	2.48949
Total Stress ZZ [ksf]	0.252535	5.78841
Total Stress XX [ksf]	0.26653	5.82831
Total Stress YY [ksf]	0.286354	5.8379
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000290368	4.34173e-005
Pore Water Pressure [ksf]	0.252548	3.34841
Excess Pore Water Pressure [ksf]	0.0100127	0.0341348
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	3.61192
Over-consolidation Ratio	1.2	4.02968
Void Ratio	0	4.8617
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.07037e-006	1.06638
Total Consolidation Settlement [in]	-4.07037e-006	1.06163
Virgin Consolidation Settlement [in]	0	0.721296
Recompression Consolidation Settlement [in]	-4.07037e-006	0.34033
Immediate Settlement [in]	0	0.00475508
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0344336	0.123159
Loading Stress XX [ksf]	0.052541	0.144133
Loading Stress YY [ksf]	0.125594	0.213136
Effective Stress ZZ [ksf]	0.0144774	2.43985
Effective Stress XX [ksf]	0.0461276	2.51974
Effective Stress YY [ksf]	0.0879229	2.53808
Total Stress ZZ [ksf]	0.286665	5.79749
Total Stress XX [ksf]	0.321345	5.87738
Total Stress YY [ksf]	0.361837	5.89572
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.42417e-005	0.354976
Pore Water Pressure [ksf]	0.258088	3.35764
Excess Pore Water Pressure [ksf]	0.0104294	0.0681297
Degree of Consolidation [%]	0	24.943
Pre-consolidation Stress [ksf]	0.0246083	3.61192
Over-consolidation Ratio	1.00042	4.00349
Void Ratio	0	4.8602
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00188712

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-9.10893e-006	1.9542
Total Consolidation Settlement [in]	-9.10893e-006	1.94742
Virgin Consolidation Settlement [in]	0	1.43329
Recompression Consolidation Settlement [in]	-9.10893e-006	0.514124
Immediate Settlement [in]	0	0.00678492
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0491052	0.18471
Loading Stress XX [ksf]	0.0824383	0.216386
Loading Stress YY [ksf]	0.194545	0.319278
Effective Stress ZZ [ksf]	0.019768	2.43964
Effective Stress XX [ksf]	0.0737917	2.55958
Effective Stress YY [ksf]	0.140713	2.5859
Total Stress ZZ [ksf]	0.320782	5.80562
Total Stress XX [ksf]	0.376654	5.92556
Total Stress YY [ksf]	0.438794	5.95187
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.77164e-005	0.495746
Pore Water Pressure [ksf]	0.262695	3.36597
Excess Pore Water Pressure [ksf]	0.00935396	0.101923
Degree of Consolidation [%]	0	31.2106
Pre-consolidation Stress [ksf]	0.0462907	3.61192
Over-consolidation Ratio	1.0002	3.99996
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00326918

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.03034e-005	2.58407
Total Consolidation Settlement [in]	-1.03034e-005	2.57549
Virgin Consolidation Settlement [in]	0	1.91461
Recompression Consolidation Settlement [in]	-1.03034e-005	0.660882
Immediate Settlement [in]	0	0.0085812
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0620788	0.246183
Loading Stress XX [ksf]	0.115479	0.288667
Loading Stress YY [ksf]	0.268848	0.425079
Effective Stress ZZ [ksf]	0.0237882	2.43943
Effective Stress XX [ksf]	0.0994824	2.59943
Effective Stress YY [ksf]	0.190979	2.63301
Total Stress ZZ [ksf]	0.354856	5.81281
Total Stress XX [ksf]	0.432316	5.97281
Total Stress YY [ksf]	0.517326	6.00639
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.12435e-006	0.590849
Pore Water Pressure [ksf]	0.265925	3.37338
Excess Pore Water Pressure [ksf]	0.00827522	0.135321
Degree of Consolidation [%]	0	32.0064
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00011	3.97833
Void Ratio	0	4.85875
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00384747

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.3137e-005	3.18611
Total Consolidation Settlement [in]	-1.3137e-005	3.17596
Virgin Consolidation Settlement [in]	0	2.43236
Recompression Consolidation Settlement [in]	-1.3137e-005	0.743602
Immediate Settlement [in]	0	0.0101436
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0733582	0.307432
Loading Stress XX [ksf]	0.152368	0.360868
Loading Stress YY [ksf]	0.349743	0.530017
Effective Stress ZZ [ksf]	0.029631	2.43924
Effective Stress XX [ksf]	0.131296	2.63926
Effective Stress YY [ksf]	0.24877	2.67952
Total Stress ZZ [ksf]	0.388805	5.81906
Total Stress XX [ksf]	0.489844	6.01909
Total Stress YY [ksf]	0.599246	6.05934
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.16982e-006	0.657469
Pore Water Pressure [ksf]	0.268933	3.37982
Excess Pore Water Pressure [ksf]	0.00719619	0.167868
Degree of Consolidation [%]	0	33.2411
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00007	3.92217
Void Ratio	0	4.85546
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00609336

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.46037e-005	3.83074
Total Consolidation Settlement [in]	-1.46037e-005	3.81926
Virgin Consolidation Settlement [in]	0	3.02017
Recompression Consolidation Settlement [in]	-1.46037e-005	0.799098
Immediate Settlement [in]	0	0.0114723
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0829505	0.368089
Loading Stress XX [ksf]	0.193972	0.432864
Loading Stress YY [ksf]	0.438613	0.632843
Effective Stress ZZ [ksf]	0.0313745	2.43913
Effective Stress XX [ksf]	0.167394	2.67906
Effective Stress YY [ksf]	0.312726	2.72561
Total Stress ZZ [ksf]	0.422426	5.82438
Total Stress XX [ksf]	0.549874	6.06431
Total Stress YY [ksf]	0.685475	6.11086
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.19673e-005	0.707214
Pore Water Pressure [ksf]	0.271953	3.38525
Excess Pore Water Pressure [ksf]	0.0061198	0.198957
Degree of Consolidation [%]	0	35.3653
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00005	3.81431
Void Ratio	0	4.84899
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00676242

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.33635e-005	4.42896
Total Consolidation Settlement [in]	-1.33635e-005	4.41639
Virgin Consolidation Settlement [in]	0	3.55823
Recompression Consolidation Settlement [in]	-1.33635e-005	0.858155
Immediate Settlement [in]	0	0.0125685
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0908657	0.427254
Loading Stress XX [ksf]	0.241321	0.5046
Loading Stress YY [ksf]	0.536532	0.73545
Effective Stress ZZ [ksf]	0.0338965	2.43912
Effective Stress XX [ksf]	0.200992	2.71882
Effective Stress YY [ksf]	0.378182	2.77147
Total Stress ZZ [ksf]	0.455221	5.82877
Total Stress XX [ksf]	0.612014	6.10846
Total Stress YY [ksf]	0.775645	6.16111
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.7622e-005	0.748002
Pore Water Pressure [ksf]	0.274227	3.38964
Excess Pore Water Pressure [ksf]	0.00504885	0.22754
Degree of Consolidation [%]	0	37.3348
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00003	3.65573
Void Ratio	0	4.83912
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00734813

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.72179e-006	4.96879
Total Consolidation Settlement [in]	-8.72179e-006	4.95535
Virgin Consolidation Settlement [in]	0	4.03582
Recompression Consolidation Settlement [in]	-8.72179e-006	0.91954
Immediate Settlement [in]	0	0.0134338
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0971173	0.482879
Loading Stress XX [ksf]	0.295608	0.576399
Loading Stress YY [ksf]	0.642977	0.835535
Effective Stress ZZ [ksf]	0.0360252	2.43927
Effective Stress XX [ksf]	0.238323	2.75876
Effective Stress YY [ksf]	0.442426	2.81729
Total Stress ZZ [ksf]	0.486053	5.83223
Total Stress XX [ksf]	0.675736	6.15172
Total Stress YY [ksf]	0.868278	6.21026
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.47477e-005	0.782203
Pore Water Pressure [ksf]	0.275064	3.39297
Excess Pore Water Pressure [ksf]	0.00398601	0.252142
Degree of Consolidation [%]	0	39.1409
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00002	3.45509
Void Ratio	0	4.82595
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00785795

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.77003
Total Consolidation Settlement [in]	0	5.75589
Virgin Consolidation Settlement [in]	0	4.71128
Recompression Consolidation Settlement [in]	0	1.04461
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.0413786	2.44009
Effective Stress XX [ksf]	0.289354	2.80557
Effective Stress YY [ksf]	0.518491	2.86905
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.749138	6.20054
Total Stress YY [ksf]	0.970973	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.58133e-005	0.814455
Pore Water Pressure [ksf]	0.27813	3.39497
Excess Pore Water Pressure [ksf]	0.00325133	0.271184
Degree of Consolidation [%]	0	43.1697
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00002	2.9659
Void Ratio	0	4.79032
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00848995

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.86587
Total Consolidation Settlement [in]	0	6.85173
Virgin Consolidation Settlement [in]	0	5.64546
Recompression Consolidation Settlement [in]	0	1.20626
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.0552818	2.44361
Effective Stress XX [ksf]	0.306944	2.80909
Effective Stress YY [ksf]	0.536151	2.87257
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.754834	6.20054
Total Stress YY [ksf]	0.976669	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.81399e-005	0.840122
Pore Water Pressure [ksf]	0.254084	3.39145
Excess Pore Water Pressure [ksf]	0	0.263042
Degree of Consolidation [%]	0	52.0756
Pre-consolidation Stress [ksf]	0.0559011	3.61192
Over-consolidation Ratio	1	2.00528
Void Ratio	-0.0631161	4.6919
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0104485

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.84306
Total Consolidation Settlement [in]	0	7.82892
Virgin Consolidation Settlement [in]	0	6.51425
Recompression Consolidation Settlement [in]	0	1.31468
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.0841042	2.45123
Effective Stress XX [ksf]	0.336373	2.81671
Effective Stress YY [ksf]	0.56558	2.88019
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.759903	6.20054
Total Stress YY [ksf]	0.981738	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.49571e-005	0.839771
Pore Water Pressure [ksf]	0.259153	3.38383
Excess Pore Water Pressure [ksf]	0	0.254502
Degree of Consolidation [%]	0	60.6783
Pre-consolidation Stress [ksf]	0.0843217	3.61192
Over-consolidation Ratio	1	2.00701
Void Ratio	-0.0610565	4.58057
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0113551

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.91784
Total Consolidation Settlement [in]	0	8.9037
Virgin Consolidation Settlement [in]	0	7.53471
Recompression Consolidation Settlement [in]	0	1.36899
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.143747	2.46324
Effective Stress XX [ksf]	0.408699	2.82873
Effective Stress YY [ksf]	0.637907	2.89221
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.765493	6.20054
Total Stress YY [ksf]	0.987328	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.48804e-005	0.838285
Pore Water Pressure [ksf]	0.264743	3.37182
Excess Pore Water Pressure [ksf]	0	0.236397
Degree of Consolidation [%]	0	71.1742
Pre-consolidation Stress [ksf]	0.146396	3.61192
Over-consolidation Ratio	1	2.00843
Void Ratio	-0.0523514	4.22403
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125049

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.7228
Total Consolidation Settlement [in]	0	9.70866
Virgin Consolidation Settlement [in]	0	8.30908
Recompression Consolidation Settlement [in]	0	1.39959
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.201559	2.47592
Effective Stress XX [ksf]	0.458063	2.84141
Effective Stress YY [ksf]	0.68727	2.90489
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.769666	6.20054
Total Stress YY [ksf]	0.991501	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.64196e-005	0.83809
Pore Water Pressure [ksf]	0.268916	3.35914
Excess Pore Water Pressure [ksf]	0	0.213421
Degree of Consolidation [%]	0	81.5888
Pre-consolidation Stress [ksf]	0.20197	3.61192
Over-consolidation Ratio	1	2.00853
Void Ratio	-0.0512078	3.92653
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0132204

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.2885
Total Consolidation Settlement [in]	0	10.2744
Virgin Consolidation Settlement [in]	0	8.85469
Recompression Consolidation Settlement [in]	0	1.41967
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.228193	2.48381
Effective Stress XX [ksf]	0.485059	2.8493
Effective Stress YY [ksf]	0.714196	2.91278
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.772592	6.20054
Total Stress YY [ksf]	0.994427	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.57725e-005	0.837743
Pore Water Pressure [ksf]	0.271842	3.35125
Excess Pore Water Pressure [ksf]	0	0.20431
Degree of Consolidation [%]	0	88.0804
Pre-consolidation Stress [ksf]	0.228466	3.61192
Over-consolidation Ratio	1	2.00741
Void Ratio	-0.0491759	3.78331
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0136067

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.0165
Total Consolidation Settlement [in]	0	11.0024
Virgin Consolidation Settlement [in]	0	9.54381
Recompression Consolidation Settlement [in]	0	1.45859
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.240185	2.49173
Effective Stress XX [ksf]	0.50075	2.85721
Effective Stress YY [ksf]	0.722585	2.92069
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.77636	6.20054
Total Stress YY [ksf]	0.998195	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.3468e-005	0.837349
Pore Water Pressure [ksf]	0.27561	3.34333
Excess Pore Water Pressure [ksf]	0	0.181324
Degree of Consolidation [%]	0	95.2617
Pre-consolidation Stress [ksf]	0.254132	3.61192
Over-consolidation Ratio	1	2.00387
Void Ratio	-0.0468669	3.63399
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0140386

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.4561
Total Consolidation Settlement [in]	0	11.4419
Virgin Consolidation Settlement [in]	0	9.9585
Recompression Consolidation Settlement [in]	0	1.48342
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.237911	2.49477
Effective Stress XX [ksf]	0.50075	2.86025
Effective Stress YY [ksf]	0.722585	2.92373
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.778634	6.20054
Total Stress YY [ksf]	1.00047	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	1.92803e-006	0.837102
Pore Water Pressure [ksf]	0.277884	3.34029
Excess Pore Water Pressure [ksf]	0	0.16268
Degree of Consolidation [%]	0	98.1493
Pre-consolidation Stress [ksf]	0.259126	3.61192
Over-consolidation Ratio	1	1.99945
Void Ratio	-0.0454187	3.55957
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0142679

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.9578
Total Consolidation Settlement [in]	0	11.9436
Virgin Consolidation Settlement [in]	0	10.42
Recompression Consolidation Settlement [in]	0	1.52361
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.235305	2.49638
Effective Stress XX [ksf]	0.50075	2.86187
Effective Stress YY [ksf]	0.722585	2.92535
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.78124	6.20054
Total Stress YY [ksf]	1.00307	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	4.80026e-005	0.836783
Pore Water Pressure [ksf]	0.28049	3.33868
Excess Pore Water Pressure [ksf]	0	0.133395
Degree of Consolidation [%]	0	99.7239
Pre-consolidation Stress [ksf]	0.261426	3.61192
Over-consolidation Ratio	1	1.98627
Void Ratio	-0.0435489	3.50112
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0144627

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.2057
Total Consolidation Settlement [in]	0	12.1916
Virgin Consolidation Settlement [in]	0	10.6327
Recompression Consolidation Settlement [in]	0	1.55882
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.234025	2.49662
Effective Stress XX [ksf]	0.50075	2.8621
Effective Stress YY [ksf]	0.722585	2.92558
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.78252	6.20054
Total Stress YY [ksf]	1.00436	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000100243	0.836609
Pore Water Pressure [ksf]	0.281771	3.33844
Excess Pore Water Pressure [ksf]	0	0.115596
Degree of Consolidation [%]	0	99.9594
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.97143
Void Ratio	-0.0425294	3.4824
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145318

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.3662
Total Consolidation Settlement [in]	0	12.3521
Virgin Consolidation Settlement [in]	0	10.7662
Recompression Consolidation Settlement [in]	0	1.58593
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.233197	2.49665
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92562
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.783348	6.20054
Total Stress YY [ksf]	1.00518	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000148897	0.836487
Pore Water Pressure [ksf]	0.282598	3.33841
Excess Pore Water Pressure [ksf]	0	0.0995422
Degree of Consolidation [%]	0	99.994
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.95771
Void Ratio	-0.0418125	3.47671
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145586

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4836
Total Consolidation Settlement [in]	0	12.4694
Virgin Consolidation Settlement [in]	0	10.8573
Recompression Consolidation Settlement [in]	0	1.61209
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.23259	2.49666
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92562
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.783955	6.20054
Total Stress YY [ksf]	1.00579	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000160379	0.836393
Pore Water Pressure [ksf]	0.283205	3.3384
Excess Pore Water Pressure [ksf]	0	0.0839505
Degree of Consolidation [%]	0	99.9993
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.9433
Void Ratio	-0.0412623	3.47505
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145711

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.7505
Total Consolidation Settlement [in]	0	12.7364
Virgin Consolidation Settlement [in]	0	11.033
Recompression Consolidation Settlement [in]	0	1.70341
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.231207	2.49666
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92563
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.785338	6.20054
Total Stress YY [ksf]	1.00717	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000160381	0.836171
Pore Water Pressure [ksf]	0.284588	3.3384
Excess Pore Water Pressure [ksf]	0	0.025478
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.92259
Void Ratio	-0.0399621	3.47485
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145869

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.8232
Total Consolidation Settlement [in]	0	12.809
Virgin Consolidation Settlement [in]	0	11.0791
Recompression Consolidation Settlement [in]	0	1.72995
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.2308	2.49666
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92563
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.785745	6.20054
Total Stress YY [ksf]	1.00758	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000160381	0.836105
Pore Water Pressure [ksf]	0.284995	3.3384
Excess Pore Water Pressure [ksf]	0	0.00689514
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.92249
Void Ratio	-0.0395728	3.47502
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145869

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.8497
Total Consolidation Settlement [in]	0	12.8355
Virgin Consolidation Settlement [in]	0	11.0967
Recompression Consolidation Settlement [in]	0	1.73885
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.230652	2.49666
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92563
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.785893	6.20054
Total Stress YY [ksf]	1.00773	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000160381	0.83608
Pore Water Pressure [ksf]	0.285143	3.3384
Excess Pore Water Pressure [ksf]	-1.00465e-019	0.00054423
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.92245
Void Ratio	-0.039431	3.47508
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145869

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.8523
Total Consolidation Settlement [in]	0	12.8381
Virgin Consolidation Settlement [in]	0	11.0986
Recompression Consolidation Settlement [in]	0	1.73959
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.230637	2.49666
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92563
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.785907	6.20054
Total Stress YY [ksf]	1.00774	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000160381	0.836078
Pore Water Pressure [ksf]	0.285158	3.3384
Excess Pore Water Pressure [ksf]	-5.29339e-007	1.14758e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.92245
Void Ratio	-0.039417	3.47508
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145869

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.8523
Total Consolidation Settlement [in]	0	12.8382
Virgin Consolidation Settlement [in]	0	11.0986
Recompression Consolidation Settlement [in]	0	1.73959
Immediate Settlement [in]	0	0.0141395
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10206	0.534864
Loading Stress XX [ksf]	0.364654	0.656793
Loading Stress YY [ksf]	0.763224	0.939258
Effective Stress ZZ [ksf]	0.230637	2.49666
Effective Stress XX [ksf]	0.50075	2.86214
Effective Stress YY [ksf]	0.722585	2.92563
Total Stress ZZ [ksf]	0.515795	5.83506
Total Stress XX [ksf]	0.785907	6.20054
Total Stress YY [ksf]	1.00774	6.26403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000160381	0.836078
Pore Water Pressure [ksf]	0.285158	3.3384
Excess Pore Water Pressure [ksf]	-1.87559e-007	5.41222e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.261449	3.61192
Over-consolidation Ratio	1	1.92245
Void Ratio	-0.039417	3.47508
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0145869

Embankments

1. Embankment: "Embankment Load (Rock) to +2.5"

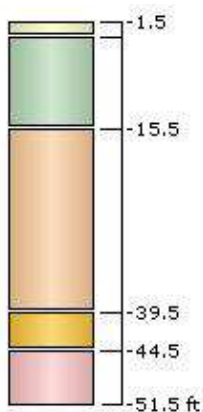
Label	Embankment Load (Rock) to +2.5'
Center Line	(35.5, 0) to (35.5, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	25

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	21.8	0.44	0.14	21.8	0
2	Stage 2 = 2 d	0	21.8	0.44	0.14	21.8	0
3	Stage 3 = 3 d	0	21.8	0.44	0.14	21.8	0
4	Stage 4 = 4 d	0	21.8	0.44	0.14	21.8	0
5	Stage 5 = 5 d	0	21.8	0.44	0.14	21.8	0
6	Stage 6 = 6 d	0	21.8	0.44	0.14	21.8	0
7	Stage 7 = 7 d	0	21.8	0.44	0.14	21.8	0
8	Stage 8 = 8 d	0	21.8	0.44	0.14	21.8	0
9	Stage 9 = 10 d	0	21.8	0.48	0.14	21.8	0

Soil Layers





Ground Surface Drained: Yes


Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Organic Clay (OH)	2	1.5	No
2	Very Soft to Soft Gray Fat Clay (CH)	12	3.5	No
3	Medium to Stiff Gray Lean Clay (CL)	24	15.5	Yes
4	Medium Dense Gray Clayey Sand (SC)	5	39.5	Yes
5	Medium Stiff Gray Clay	7	44.5	No



DRAFT

Soil Properties

Property	Very Soft Gray Organic Clay (OH)	Very Soft to Soft Gray Fat Clay (CH)	Medium to Stiff Gray Lean Clay (CL)	Medium Dense Gray Clayey Sand (SC)
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.26	0.39	-
Cr	0.53	0.03	0.03	-
e0	4.86	1.4	0.87	-
OCR	4	1.35	2	-
Cv [ft ² /d]	0.03	0.1	0.6	-
Cvr [ft ² /d]	0.03	0.1	0.6	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium Stiff Gray Clay
Color	
Unit Weight [kips/ft ³]	0.115
Saturated Unit Weight [kips/ft ³]	0.115
K0	1
Primary Consolidation	Enabled
Material Type	Non-Linear
Cc	0.16
Cr	0.03
e0	0.87
OCR	1.2
Cv [ft ² /d]	0.6
Cvr [ft ² /d]	0.6
B-bar	1
Undrained Su A [kips/ft ²]	0
Undrained Su S	0.2
Undrained Su m	0.8
Piezo Line ID	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 59

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-8 Rock Breakwater to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/09/18

Comments

III-2A
 B-8/C-4 (Cell 1)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00504384
Total Consolidation Settlement [in]	-0.00233383	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00233383	0
Immediate Settlement [in]	0	0.00504384
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0371127	0.093796
Loading Stress XX [ksf]	0.0386147	0.108258
Loading Stress YY [ksf]	0.0926996	0.161914
Effective Stress ZZ [ksf]	-1.4092e-005	2.44
Effective Stress XX [ksf]	0.0214036	2.50001
Effective Stress YY [ksf]	0.0513821	2.51947
Total Stress ZZ [ksf]	0.27039	5.79897
Total Stress XX [ksf]	0.291807	5.85898
Total Stress YY [ksf]	0.321786	5.87844
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000367376	8.74836e-005
Pore Water Pressure [ksf]	0.270404	3.35897
Excess Pore Water Pressure [ksf]	0.0205711	0.0519898
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	3.61192
Over-consolidation Ratio	1.2	4.03759
Void Ratio	0	4.86215
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-7.70926e-006	1.48751
Total Consolidation Settlement [in]	-7.70926e-006	1.47791
Virgin Consolidation Settlement [in]	0	1.07265
Recompression Consolidation Settlement [in]	-7.70926e-006	0.405263
Immediate Settlement [in]	0	0.0096013
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0705211	0.187585
Loading Stress XX [ksf]	0.080915	0.217099
Loading Stress YY [ksf]	0.191297	0.323718
Effective Stress ZZ [ksf]	0.0181245	2.43971
Effective Stress XX [ksf]	0.068922	2.56004
Effective Stress YY [ksf]	0.132722	2.59708
Total Stress ZZ [ksf]	0.322376	5.81749
Total Stress XX [ksf]	0.374967	5.93782
Total Stress YY [ksf]	0.43615	5.97487
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.62408e-005	0.432006
Pore Water Pressure [ksf]	0.278127	3.37778
Excess Pore Water Pressure [ksf]	0.0211006	0.103865
Degree of Consolidation [%]	0	23.4902
Pre-consolidation Stress [ksf]	0.0345646	3.61192
Over-consolidation Ratio	1.00059	4.00675
Void Ratio	0	4.86039
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0030827

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.69435e-005	2.46711
Total Consolidation Settlement [in]	-1.69435e-005	2.45345
Virgin Consolidation Settlement [in]	0	1.85345
Recompression Consolidation Settlement [in]	-1.69435e-005	0.599997
Immediate Settlement [in]	0	0.0136588
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.100174	0.28133
Loading Stress XX [ksf]	0.127706	0.326459
Loading Stress YY [ksf]	0.297262	0.484839
Effective Stress ZZ [ksf]	0.0211019	2.43932
Effective Stress XX [ksf]	0.101325	2.62027
Effective Stress YY [ksf]	0.200337	2.67298
Total Stress ZZ [ksf]	0.374337	5.83392
Total Stress XX [ksf]	0.457962	6.01488
Total Stress YY [ksf]	0.551945	6.06758
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.58465e-005	0.588132
Pore Water Pressure [ksf]	0.283201	3.39461
Excess Pore Water Pressure [ksf]	0.0187655	0.155516
Degree of Consolidation [%]	0	27.1907
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00026	4.00067
Void Ratio	0	4.86004
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00389948

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.88378e-005	3.24246
Total Consolidation Settlement [in]	-1.88378e-005	3.22526
Virgin Consolidation Settlement [in]	0	2.49986
Recompression Consolidation Settlement [in]	-1.88378e-005	0.725401
Immediate Settlement [in]	0	0.017206
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.126037	0.374905
Loading Stress XX [ksf]	0.180135	0.436248
Loading Stress YY [ksf]	0.412372	0.644787
Effective Stress ZZ [ksf]	0.0283484	2.43891
Effective Stress XX [ksf]	0.141547	2.68071
Effective Stress YY [ksf]	0.277143	2.74718
Total Stress ZZ [ksf]	0.426205	5.84826
Total Stress XX [ksf]	0.542923	6.09007
Total Stress YY [ksf]	0.671649	6.15653
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.2792e-005	0.683742
Pore Water Pressure [ksf]	0.28714	3.40935
Excess Pore Water Pressure [ksf]	0.0163919	0.206585
Degree of Consolidation [%]	0	28.7738
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00014	3.96474
Void Ratio	0	4.85796
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00660253

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.47697e-005	4.07821
Total Consolidation Settlement [in]	-2.47697e-005	4.05798
Virgin Consolidation Settlement [in]	0	3.26914
Recompression Consolidation Settlement [in]	-2.47697e-005	0.788837
Immediate Settlement [in]	0	0.0202362
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.148096	0.467942
Loading Stress XX [ksf]	0.23965	0.546319
Loading Stress YY [ksf]	0.538782	0.802746
Effective Stress ZZ [ksf]	0.0305652	2.43856
Effective Stress XX [ksf]	0.189731	2.74137
Effective Stress YY [ksf]	0.364045	2.81979
Total Stress ZZ [ksf]	0.477774	5.86049
Total Stress XX [ksf]	0.631824	6.1633
Total Stress YY [ksf]	0.797628	6.24172
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.16006e-005	0.749121
Pore Water Pressure [ksf]	0.291184	3.42193
Excess Pore Water Pressure [ksf]	0.0139944	0.256456
Degree of Consolidation [%]	0	31.2653
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00009	3.87115
Void Ratio	0	4.85242
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00744125

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.70015e-005	4.83784
Total Consolidation Settlement [in]	-2.70015e-005	4.81474
Virgin Consolidation Settlement [in]	0	3.95521
Recompression Consolidation Settlement [in]	-2.70015e-005	0.85953
Immediate Settlement [in]	0	0.0230988
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.166351	0.559453
Loading Stress XX [ksf]	0.307931	0.656413
Loading Stress YY [ksf]	0.6787	0.9577
Effective Stress ZZ [ksf]	0.0331583	2.43836
Effective Stress XX [ksf]	0.242479	2.81078
Effective Stress YY [ksf]	0.468045	2.90106
Total Stress ZZ [ksf]	0.535623	5.87203
Total Stress XX [ksf]	0.736774	6.24444
Total Stress YY [ksf]	0.947865	6.33472
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.47848e-005	0.8
Pore Water Pressure [ksf]	0.301402	3.43367
Excess Pore Water Pressure [ksf]	0.0132156	0.310566
Degree of Consolidation [%]	0	32.9835
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00007	3.71109
Void Ratio	0	4.84261
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00808212

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.39882e-005	5.53617
Total Consolidation Settlement [in]	-2.39882e-005	5.50948
Virgin Consolidation Settlement [in]	0	4.57441
Recompression Consolidation Settlement [in]	-2.39882e-005	0.935072
Immediate Settlement [in]	0	0.026689
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.180821	0.646933
Loading Stress XX [ksf]	0.386547	0.766137
Loading Stress YY [ksf]	0.833087	1.10843
Effective Stress ZZ [ksf]	0.0355817	2.43838
Effective Stress XX [ksf]	0.334192	2.92051
Effective Stress YY [ksf]	0.633972	3.02774
Total Stress ZZ [ksf]	0.623103	5.8865
Total Stress XX [ksf]	0.906495	6.36864
Total Stress YY [ksf]	1.19336	6.47586
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.94958e-005	0.845973
Pore Water Pressure [ksf]	0.334658	3.44812
Excess Pore Water Pressure [ksf]	0.0165723	0.388586
Degree of Consolidation [%]	0	33.3385
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00007	3.49098
Void Ratio	-0.0973996	4.82834
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00829793

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.53848e-005	6.24691
Total Consolidation Settlement [in]	-1.53848e-005	6.21756
Virgin Consolidation Settlement [in]	0	5.2042
Recompression Consolidation Settlement [in]	-1.53848e-005	1.01336
Immediate Settlement [in]	0	0.0293473
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.191541	0.72474
Loading Stress XX [ksf]	0.476378	0.875365
Loading Stress YY [ksf]	0.998417	1.25483
Effective Stress ZZ [ksf]	0.0383071	2.4386
Effective Stress XX [ksf]	0.435542	3.02997
Effective Stress YY [ksf]	0.804484	3.15342
Total Stress ZZ [ksf]	0.70091	5.89722
Total Stress XX [ksf]	1.07783	6.48858
Total Stress YY [ksf]	1.44019	6.61204
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.26298e-005	0.899911
Pore Water Pressure [ksf]	0.328677	3.45862
Excess Pore Water Pressure [ksf]	0.0122724	0.453102
Degree of Consolidation [%]	0	35.5088
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00004	3.23137
Void Ratio	-0.413477	4.81022
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00854416

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.35455
Total Consolidation Settlement [in]	0	7.32353
Virgin Consolidation Settlement [in]	0	6.1702
Recompression Consolidation Settlement [in]	0	1.15332
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.0443055	2.44017
Effective Stress XX [ksf]	0.547145	3.13812
Effective Stress YY [ksf]	0.965854	3.27375
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.23761	6.60195
Total Stress YY [ksf]	1.65866	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.20933e-005	0.946328
Pore Water Pressure [ksf]	0.312858	3.46383
Excess Pore Water Pressure [ksf]	0.00775669	0.492532
Degree of Consolidation [%]	0	41.5626
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00002	2.60118
Void Ratio	-0.685482	4.75914
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0102967

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.99421
Total Consolidation Settlement [in]	0	8.96318
Virgin Consolidation Settlement [in]	0	7.68939
Recompression Consolidation Settlement [in]	0	1.27379
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.065476	2.44754
Effective Stress XX [ksf]	0.570955	3.14549
Effective Stress YY [ksf]	0.988843	3.28111
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.24612	6.60195
Total Stress YY [ksf]	1.66718	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.75653e-005	0.974476
Pore Water Pressure [ksf]	0.265139	3.45646
Excess Pore Water Pressure [ksf]	0	0.479199
Degree of Consolidation [%]	0	51.7648
Pre-consolidation Stress [ksf]	0.0657279	3.61192
Over-consolidation Ratio	1	2.0081
Void Ratio	-0.850427	4.63227
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0112363

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.414
Total Consolidation Settlement [in]	0	10.383
Virgin Consolidation Settlement [in]	0	9.01108
Recompression Consolidation Settlement [in]	0	1.37189
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.109436	2.46424
Effective Stress XX [ksf]	0.630168	3.16219
Effective Stress YY [ksf]	1.04508	3.29781
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.25349	6.60195
Total Stress YY [ksf]	1.67454	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.22396e-005	0.974492
Pore Water Pressure [ksf]	0.272505	3.43976
Excess Pore Water Pressure [ksf]	0	0.464936
Degree of Consolidation [%]	0	60.5946
Pre-consolidation Stress [ksf]	0.112503	3.61192
Over-consolidation Ratio	1	2.01082
Void Ratio	-0.850521	4.28213
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126179

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.0097
Total Consolidation Settlement [in]	0	11.9787
Virgin Consolidation Settlement [in]	0	10.5656
Recompression Consolidation Settlement [in]	0	1.41312
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.176982	2.49098
Effective Stress XX [ksf]	0.713134	3.18893
Effective Stress YY [ksf]	1.12441	3.32455
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.26178	6.60195
Total Stress YY [ksf]	1.68283	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.13232e-005	0.973995
Pore Water Pressure [ksf]	0.280794	3.41302
Excess Pore Water Pressure [ksf]	0	0.435403
Degree of Consolidation [%]	0	71.1053
Pre-consolidation Stress [ksf]	0.182886	3.61192
Over-consolidation Ratio	1	2.01249
Void Ratio	-0.847614	3.70166
Permeability [ft/d]	0	0.0594504
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0139857

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2362
Total Consolidation Settlement [in]	0	13.2051
Virgin Consolidation Settlement [in]	0	11.7642
Recompression Consolidation Settlement [in]	0	1.4409
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.232214	2.51929
Effective Stress XX [ksf]	0.79593	3.21724
Effective Stress YY [ksf]	1.20278	3.35287
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.26815	6.60195
Total Stress YY [ksf]	1.6892	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.14817e-005	0.973184
Pore Water Pressure [ksf]	0.287161	3.38471
Excess Pore Water Pressure [ksf]	0	0.400941
Degree of Consolidation [%]	0	81.6339
Pre-consolidation Stress [ksf]	0.249868	3.61192
Over-consolidation Ratio	1	2.011
Void Ratio	-0.842859	3.28679
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152394

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.9886
Total Consolidation Settlement [in]	0	13.9575
Virgin Consolidation Settlement [in]	0	12.4792
Recompression Consolidation Settlement [in]	0	1.47832
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.289507	2.53691
Effective Stress XX [ksf]	0.865492	3.23486
Effective Stress YY [ksf]	1.26025	3.37048
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.27205	6.60195
Total Stress YY [ksf]	1.6931	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.45772e-005	0.972943
Pore Water Pressure [ksf]	0.291065	3.36709
Excess Pore Water Pressure [ksf]	0	0.386228
Degree of Consolidation [%]	0	88.0974
Pre-consolidation Stress [ksf]	0.313163	3.61192
Over-consolidation Ratio	1	2.00707
Void Ratio	-0.841444	3.11777
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0158224

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.9859
Total Consolidation Settlement [in]	0	14.9549
Virgin Consolidation Settlement [in]	0	13.4279
Recompression Consolidation Settlement [in]	0	1.52695
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.361431	2.55459
Effective Stress XX [ksf]	0.943155	3.25254
Effective Stress YY [ksf]	1.33527	3.38816
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.27723	6.60195
Total Stress YY [ksf]	1.69828	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	1.13525e-005	0.972697
Pore Water Pressure [ksf]	0.29624	3.34941
Excess Pore Water Pressure [ksf]	0	0.347713
Degree of Consolidation [%]	0	95.2766
Pre-consolidation Stress [ksf]	0.373612	3.61192
Over-consolidation Ratio	1	1.99674
Void Ratio	-0.840006	2.95162
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0164364

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.6285
Total Consolidation Settlement [in]	0	15.5975
Virgin Consolidation Settlement [in]	0	14.033
Recompression Consolidation Settlement [in]	0	1.56451
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.420922	2.56137
Effective Stress XX [ksf]	0.979717	3.25932
Effective Stress YY [ksf]	1.39397	3.39495
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.28056	6.60195
Total Stress YY [ksf]	1.70161	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	5.21744e-005	0.972528
Pore Water Pressure [ksf]	0.299574	3.34263
Excess Pore Water Pressure [ksf]	0	0.315652
Degree of Consolidation [%]	0	98.1562
Pre-consolidation Stress [ksf]	0.429813	3.61192
Over-consolidation Ratio	1	1.98508
Void Ratio	-0.839017	2.8721
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0167498

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.3866
Total Consolidation Settlement [in]	0	16.3556
Virgin Consolidation Settlement [in]	0	14.7331
Recompression Consolidation Settlement [in]	0	1.62243
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.453641	2.56498
Effective Stress XX [ksf]	0.980985	3.26293
Effective Stress YY [ksf]	1.40204	3.39855
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.28449	6.60195
Total Stress YY [ksf]	1.70554	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000157085	0.972294
Pore Water Pressure [ksf]	0.303506	3.33902
Excess Pore Water Pressure [ksf]	0	0.262921
Degree of Consolidation [%]	0	99.7248
Pre-consolidation Stress [ksf]	0.476767	3.61192
Over-consolidation Ratio	1	1.95542
Void Ratio	-0.837641	2.80723
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0170222

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.8283
Total Consolidation Settlement [in]	0	16.7973
Virgin Consolidation Settlement [in]	0	15.1261
Recompression Consolidation Settlement [in]	0	1.67114
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.451351	2.56551
Effective Stress XX [ksf]	0.980985	3.26346
Effective Stress YY [ksf]	1.40204	3.39908
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.28678	6.60195
Total Stress YY [ksf]	1.70783	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000266019	0.972132
Pore Water Pressure [ksf]	0.305796	3.33849
Excess Pore Water Pressure [ksf]	0	0.230547
Degree of Consolidation [%]	0	99.9596
Pre-consolidation Stress [ksf]	0.477886	3.61192
Over-consolidation Ratio	1	1.92509
Void Ratio	-0.836692	2.7873
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0171171

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.132
Total Consolidation Settlement [in]	0	17.1009
Virgin Consolidation Settlement [in]	0	15.388
Recompression Consolidation Settlement [in]	0	1.71293
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.449778	2.56559
Effective Stress XX [ksf]	0.980985	3.26354
Effective Stress YY [ksf]	1.40204	3.39916
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.28836	6.60195
Total Stress YY [ksf]	1.70941	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350619	0.97201
Pore Water Pressure [ksf]	0.30737	3.33841
Excess Pore Water Pressure [ksf]	0	0.198872
Degree of Consolidation [%]	0	99.9941
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.89814
Void Ratio	-0.835976	2.781
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0171554

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.3678
Total Consolidation Settlement [in]	0	17.3368
Virgin Consolidation Settlement [in]	0	15.5801
Recompression Consolidation Settlement [in]	0	1.75672
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.448554	2.5656
Effective Stress XX [ksf]	0.980985	3.26355
Effective Stress YY [ksf]	1.40204	3.39917
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.28958	6.60195
Total Stress YY [ksf]	1.71063	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350651	0.97191
Pore Water Pressure [ksf]	0.308593	3.3384
Excess Pore Water Pressure [ksf]	0	0.165174
Degree of Consolidation [%]	0	99.9993
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.8726
Void Ratio	-0.835393	2.77905
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0171742

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	18.0211
Total Consolidation Settlement [in]	0	17.9901
Virgin Consolidation Settlement [in]	0	16.0977
Recompression Consolidation Settlement [in]	0	1.89242
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.445163	2.5656
Effective Stress XX [ksf]	0.980985	3.26355
Effective Stress YY [ksf]	1.40204	3.39917
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.29297	6.60195
Total Stress YY [ksf]	1.71402	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350656	0.971623
Pore Water Pressure [ksf]	0.311985	3.3384
Excess Pore Water Pressure [ksf]	0	0.0547184
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.83815
Void Ratio	-0.833713	2.77923
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0208169

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	18.2225
Total Consolidation Settlement [in]	0	18.1914
Virgin Consolidation Settlement [in]	0	16.256
Recompression Consolidation Settlement [in]	0	1.93545
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.444098	2.5656
Effective Stress XX [ksf]	0.980985	3.26355
Effective Stress YY [ksf]	1.40204	3.39917
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.29403	6.60195
Total Stress YY [ksf]	1.71509	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350656	0.971532
Pore Water Pressure [ksf]	0.313049	3.3384
Excess Pore Water Pressure [ksf]	0	0.0182282
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.83797
Void Ratio	-0.833177	2.77945
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0220994

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	18.3096
Total Consolidation Settlement [in]	0	18.2786
Virgin Consolidation Settlement [in]	0	16.3244
Recompression Consolidation Settlement [in]	0	1.9542
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.443621	2.5656
Effective Stress XX [ksf]	0.980985	3.26355
Effective Stress YY [ksf]	1.40204	3.39917
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.29451	6.60195
Total Stress YY [ksf]	1.71556	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350656	0.971491
Pore Water Pressure [ksf]	0.313527	3.3384
Excess Pore Water Pressure [ksf]	-8.80629e-020	0.00224026
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.83789
Void Ratio	-0.832937	2.77955
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0226565

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	18.3204
Total Consolidation Settlement [in]	0	18.2893
Virgin Consolidation Settlement [in]	0	16.3328
Recompression Consolidation Settlement [in]	0	1.9565
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.443562	2.5656
Effective Stress XX [ksf]	0.980985	3.26355
Effective Stress YY [ksf]	1.40204	3.39917
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.29457	6.60195
Total Stress YY [ksf]	1.71562	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350656	0.971486
Pore Water Pressure [ksf]	0.313585	3.3384
Excess Pore Water Pressure [ksf]	-0.000508066	0.000290398
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.83788
Void Ratio	-0.832908	2.77956
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0227241

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	18.3204
Total Consolidation Settlement [in]	0	18.2894
Virgin Consolidation Settlement [in]	0	16.3329
Recompression Consolidation Settlement [in]	0	1.95651
Immediate Settlement [in]	0	0.031027
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.198322	0.780977
Loading Stress XX [ksf]	0.57417	0.981952
Loading Stress YY [ksf]	1.1549	1.38793
Effective Stress ZZ [ksf]	0.443562	2.5656
Effective Stress XX [ksf]	0.980985	3.26355
Effective Stress YY [ksf]	1.40204	3.39917
Total Stress ZZ [ksf]	0.757147	5.904
Total Stress XX [ksf]	1.29457	6.60195
Total Stress YY [ksf]	1.71562	6.73757
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000350656	0.971486
Pore Water Pressure [ksf]	0.313585	3.3384
Excess Pore Water Pressure [ksf]	-0.000289315	0.000501639
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.477969	3.61192
Over-consolidation Ratio	1	1.83788
Void Ratio	-0.832907	2.77956
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0227075

Embankments

1. Embankment: "Embankment Load (Rock) to +4.5"

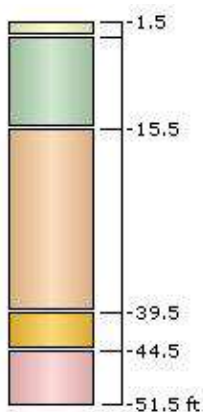
Label	Embankment Load (Rock) to +4.5'
Center Line	(35.5, 0) to (35.5, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	35

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	21.8	0.67	0.14	21.8	0
2	Stage 2 = 2 d	0	21.8	0.67	0.14	21.8	0
3	Stage 3 = 3 d	0	21.8	0.67	0.14	21.8	0
4	Stage 4 = 4 d	0	21.8	0.67	0.14	21.8	0
5	Stage 5 = 5 d	0	21.8	0.67	0.14	21.8	0
6	Stage 6 = 6 d	0	21.8	0.67	0.14	21.8	0
7	Stage 7 = 7 d	0	21.8	0.67	0.14	21.8	0
8	Stage 8 = 8 d	0	21.8	0.67	0.14	21.8	0
9	Stage 9 = 10 d	0	21.8	0.64	0.14	21.8	0





Soil Layers


Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Organic Clay (OH)	2	1.5	No
2	Very Soft to Soft Gray Fat Clay (CH)	12	3.5	No
3	Medium to Stiff Gray Lean Clay (CL)	24	15.5	Yes
4	Medium Dense Gray Clayey Sand (SC)	5	39.5	Yes
5	Medium Stiff Gray Clay	7	44.5	No



Soil Properties

Property	Very Soft Gray Organic Clay (OH)	Very Soft to Soft Gray Fat Clay (CH)	Medium to Stiff Gray Lean Clay (CL)	Medium Dense Gray Clayey Sand (SC)
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.26	0.39	-
Cr	0.53	0.03	0.03	-
e0	4.86	1.4	0.87	-
OCR	4	1.35	2	-
Cv [ft ² /d]	0.03	0.1	0.6	-
Cvr [ft ² /d]	0.03	0.1	0.6	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium Stiff Gray Clay
Color	
Unit Weight [kips/ft ³]	0.115
Saturated Unit Weight [kips/ft ³]	0.115
K0	1
Primary Consolidation	Enabled
Material Type	Non-Linear
Cc	0.16
Cr	0.03
e0	0.87
OCR	1.2
Cv [ft ² /d]	0.6
Cvr [ft ² /d]	0.6
B-bar	1
Undrained Su A [kips/ft ²]	0
Undrained Su S	0.2
Undrained Su m	0.8
Piezo Line ID	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 59

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-8 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/09/18

Comments

III-2A
 B-8/C-4 (Cell 1)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00164017
Total Consolidation Settlement [in]	-0.00101414	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00101414	0
Immediate Settlement [in]	0	0.00164017
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0178195	0.0439985
Loading Stress XX [ksf]	0.0181326	0.0507118
Loading Stress YY [ksf]	0.0434652	0.0758921
Effective Stress ZZ [ksf]	-8.52888e-006	2.44
Effective Stress XX [ksf]	0.00681787	2.45907
Effective Stress YY [ksf]	0.0163429	2.4654
Total Stress ZZ [ksf]	0.234943	5.7851
Total Stress XX [ksf]	0.24177	5.80417
Total Stress YY [ksf]	0.251295	5.8105
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000190808	2.84359e-005
Pore Water Pressure [ksf]	0.234952	3.3451
Excess Pore Water Pressure [ksf]	0.00670014	0.0165434
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	3.61192
Over-consolidation Ratio	1.2	4.01948
Void Ratio	0	4.86112
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.48833e-006	0.623653
Total Consolidation Settlement [in]	-2.48833e-006	0.620526
Virgin Consolidation Settlement [in]	0	0.36511
Recompression Consolidation Settlement [in]	-2.48833e-006	0.255416
Immediate Settlement [in]	0	0.00312706
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0338958	0.0879948
Loading Stress XX [ksf]	0.0373602	0.101707
Loading Stress YY [ksf]	0.0887194	0.151858
Effective Stress ZZ [ksf]	0.0106282	2.4399
Effective Stress XX [ksf]	0.0256473	2.47815
Effective Stress YY [ksf]	0.0453454	2.49022
Total Stress ZZ [ksf]	0.251486	5.79114
Total Stress XX [ksf]	0.268781	5.82939
Total Stress YY [ksf]	0.288092	5.84146
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.18726e-005	0.206566
Pore Water Pressure [ksf]	0.23819	3.35124
Excess Pore Water Pressure [ksf]	0.00688551	0.0330591
Degree of Consolidation [%]	0	27.8725
Pre-consolidation Stress [ksf]	0.014185	3.61192
Over-consolidation Ratio	1.00039	4.00223
Void Ratio	0	4.86013
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00175382

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.47541e-006	1.17841
Total Consolidation Settlement [in]	-5.47541e-006	1.17395
Virgin Consolidation Settlement [in]	0	0.773372
Recompression Consolidation Settlement [in]	-5.47541e-006	0.400582
Immediate Settlement [in]	0	0.00445431
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0481856	0.131983
Loading Stress XX [ksf]	0.0579315	0.152957
Loading Stress YY [ksf]	0.136246	0.227505
Effective Stress ZZ [ksf]	0.0185089	2.43978
Effective Stress XX [ksf]	0.0432413	2.49729
Effective Stress YY [ksf]	0.0742803	2.51448
Total Stress ZZ [ksf]	0.268026	5.79652
Total Stress XX [ksf]	0.295943	5.85403
Total Stress YY [ksf]	0.325389	5.87121
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.60776e-005	0.347825
Pore Water Pressure [ksf]	0.241075	3.35674
Excess Pore Water Pressure [ksf]	0.00613745	0.0495341
Degree of Consolidation [%]	0	35.9826
Pre-consolidation Stress [ksf]	0.0256535	3.61192
Over-consolidation Ratio	1.00025	4.00101
Void Ratio	0	4.86006
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00304446

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-6.11795e-006	1.70675
Total Consolidation Settlement [in]	-6.11795e-006	1.70113
Virgin Consolidation Settlement [in]	0	1.19329
Recompression Consolidation Settlement [in]	-6.11795e-006	0.507842
Immediate Settlement [in]	0	0.00561647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0606538	0.175946
Loading Stress XX [ksf]	0.0802331	0.204421
Loading Stress YY [ksf]	0.186674	0.302657
Effective Stress ZZ [ksf]	0.0204681	2.43964
Effective Stress XX [ksf]	0.0548571	2.51651
Effective Stress YY [ksf]	0.0971142	2.53819
Total Stress ZZ [ksf]	0.284556	5.80121
Total Stress XX [ksf]	0.323609	5.87807
Total Stress YY [ksf]	0.36363	5.89975
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.13689e-006	0.431574
Pore Water Pressure [ksf]	0.243815	3.36156
Excess Pore Water Pressure [ksf]	0.00536748	0.0659008
Degree of Consolidation [%]	0	40.0561
Pre-consolidation Stress [ksf]	0.038347	3.61192
Over-consolidation Ratio	1.00015	3.99123
Void Ratio	0	4.85949
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00355135

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.0641e-006	2.13079
Total Consolidation Settlement [in]	-8.0641e-006	2.12418
Virgin Consolidation Settlement [in]	0	1.51879
Recompression Consolidation Settlement [in]	-8.0641e-006	0.605391
Immediate Settlement [in]	0	0.00660912
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0712734	0.219828
Loading Stress XX [ksf]	0.104803	0.256032
Loading Stress YY [ksf]	0.240907	0.376993
Effective Stress ZZ [ksf]	0.0234929	2.43953
Effective Stress XX [ksf]	0.0685697	2.5358
Effective Stress YY [ksf]	0.122651	2.56137
Total Stress ZZ [ksf]	0.301055	5.8052
Total Stress XX [ksf]	0.351551	5.90147
Total Stress YY [ksf]	0.402727	5.92704
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.49423e-006	0.497409
Pore Water Pressure [ksf]	0.24599	3.36567
Excess Pore Water Pressure [ksf]	0.00458007	0.0820404
Degree of Consolidation [%]	0	40.6848
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.0001	3.96497
Void Ratio	0	4.85797
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00395598

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.81518e-006	2.48301
Total Consolidation Settlement [in]	-8.81518e-006	2.47558
Virgin Consolidation Settlement [in]	0	1.77679
Recompression Consolidation Settlement [in]	-8.81518e-006	0.698788
Immediate Settlement [in]	0	0.00742896
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0800262	0.263472
Loading Stress XX [ksf]	0.132393	0.307658
Loading Stress YY [ksf]	0.300246	0.450051
Effective Stress ZZ [ksf]	0.0275079	2.43946
Effective Stress XX [ksf]	0.084572	2.55514
Effective Stress YY [ksf]	0.151217	2.5841
Total Stress ZZ [ksf]	0.317466	5.80849
Total Stress XX [ksf]	0.380164	5.92417
Total Stress YY [ksf]	0.443276	5.95312
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.9347e-006	0.5496
Pore Water Pressure [ksf]	0.247728	3.36903
Excess Pore Water Pressure [ksf]	0.00378	0.0976832
Degree of Consolidation [%]	0	40.2663
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00006	3.91602
Void Ratio	0	4.8551
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00429788

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-7.75505e-006	2.83851
Total Consolidation Settlement [in]	-7.75505e-006	2.83043
Virgin Consolidation Settlement [in]	0	2.06709
Recompression Consolidation Settlement [in]	-7.75505e-006	0.763344
Immediate Settlement [in]	0	0.00807393
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.086903	0.306391
Loading Stress XX [ksf]	0.164069	0.359098
Loading Stress YY [ksf]	0.366418	0.521428
Effective Stress ZZ [ksf]	0.0306523	2.43948
Effective Stress XX [ksf]	0.104525	2.5745
Effective Stress YY [ksf]	0.184518	2.60649
Total Stress ZZ [ksf]	0.333603	5.81108
Total Stress XX [ksf]	0.41006	5.9461
Total Stress YY [ksf]	0.486143	5.97809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.63621e-006	0.590824
Pore Water Pressure [ksf]	0.249304	3.3716
Excess Pore Water Pressure [ksf]	0.00297229	0.112311
Degree of Consolidation [%]	0	40.4002
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00004	3.83867
Void Ratio	0	4.85049
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00707925

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.42685e-006	3.24448
Total Consolidation Settlement [in]	-4.42685e-006	3.23593
Virgin Consolidation Settlement [in]	0	2.42891
Recompression Consolidation Settlement [in]	-4.42685e-006	0.807021
Immediate Settlement [in]	0	0.00854318
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0919036	0.347
Loading Stress XX [ksf]	0.201386	0.410334
Loading Stress YY [ksf]	0.440692	0.590197
Effective Stress ZZ [ksf]	0.0323295	2.43958
Effective Stress XX [ksf]	0.123213	2.59387
Effective Stress YY [ksf]	0.218344	2.62877
Total Stress ZZ [ksf]	0.348872	5.81296
Total Stress XX [ksf]	0.441468	5.96724
Total Stress YY [ksf]	0.531447	6.00214
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.92477e-006	0.623309
Pore Water Pressure [ksf]	0.250543	3.37337
Excess Pore Water Pressure [ksf]	0.00216201	0.124867
Degree of Consolidation [%]	0	41.9483
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00003	3.72543
Void Ratio	0	4.84355
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00754702

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.89279
Total Consolidation Settlement [in]	0	3.88375
Virgin Consolidation Settlement [in]	0	2.98852
Recompression Consolidation Settlement [in]	0	0.895227
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.036586	2.44015
Effective Stress XX [ksf]	0.160736	2.62966
Effective Stress YY [ksf]	0.27311	2.66747
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.497141	6.00448
Total Stress YY [ksf]	0.607843	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.29669e-005	0.653051
Pore Water Pressure [ksf]	0.26027	3.37482
Excess Pore Water Pressure [ksf]	0.00231109	0.139345
Degree of Consolidation [%]	0	45.7038
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00002	3.41069
Void Ratio	0	4.82306
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00793405

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.76223
Total Consolidation Settlement [in]	0	4.75319
Virgin Consolidation Settlement [in]	0	3.69089
Recompression Consolidation Settlement [in]	0	1.0623
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.0465879	2.44245
Effective Stress XX [ksf]	0.172375	2.63196
Effective Stress YY [ksf]	0.284777	2.66977
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.501655	6.00448
Total Stress YY [ksf]	0.612357	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.06551e-005	0.687672
Pore Water Pressure [ksf]	0.243156	3.37252
Excess Pore Water Pressure [ksf]	0	0.135943
Degree of Consolidation [%]	0	55.779
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1	2.65565
Void Ratio	0	4.76501
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00834485

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.30964
Total Consolidation Settlement [in]	0	5.30059
Virgin Consolidation Settlement [in]	0	4.07574
Recompression Consolidation Settlement [in]	0	1.22486
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.0610774	2.44736
Effective Stress XX [ksf]	0.188423	2.63687
Effective Stress YY [ksf]	0.30082	2.67468
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.504499	6.00448
Total Stress YY [ksf]	0.615201	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.0305e-005	0.687338
Pore Water Pressure [ksf]	0.246	3.3676
Excess Pore Water Pressure [ksf]	0	0.132188
Degree of Consolidation [%]	0	62.5681
Pre-consolidation Stress [ksf]	0.0618001	3.61192
Over-consolidation Ratio	1	2.00307
Void Ratio	0	4.67811
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0104078

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.93187
Total Consolidation Settlement [in]	0	5.92283
Virgin Consolidation Settlement [in]	0	4.61011
Recompression Consolidation Settlement [in]	0	1.31271
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.0893088	2.45509
Effective Stress XX [ksf]	0.217524	2.6446
Effective Stress YY [ksf]	0.329921	2.68241
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.507736	6.00448
Total Stress YY [ksf]	0.618438	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.81079e-005	0.685777
Pore Water Pressure [ksf]	0.249237	3.35988
Excess Pore Water Pressure [ksf]	0	0.124976
Degree of Consolidation [%]	0	71.1389
Pre-consolidation Stress [ksf]	0.0898604	3.61192
Over-consolidation Ratio	1	2.00349
Void Ratio	0	4.58917
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0110502

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.39728
Total Consolidation Settlement [in]	0	6.38824
Virgin Consolidation Settlement [in]	0	5.01733
Recompression Consolidation Settlement [in]	0	1.37091
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.118849	2.46324
Effective Stress XX [ksf]	0.25085	2.65275
Effective Stress YY [ksf]	0.363247	2.69056
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.51015	6.00448
Total Stress YY [ksf]	0.620852	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.04116e-005	0.685425
Pore Water Pressure [ksf]	0.251651	3.35173
Excess Pore Water Pressure [ksf]	0	0.115536
Degree of Consolidation [%]	0	81.5792
Pre-consolidation Stress [ksf]	0.121903	3.61192
Over-consolidation Ratio	1	2.00299
Void Ratio	0	4.48499
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0119605

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.72384
Total Consolidation Settlement [in]	0	6.71479
Virgin Consolidation Settlement [in]	0	5.31567
Recompression Consolidation Settlement [in]	0	1.39912
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.117149	2.46831
Effective Stress XX [ksf]	0.258384	2.65782
Effective Stress YY [ksf]	0.369201	2.69563
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.51185	6.00448
Total Stress YY [ksf]	0.622552	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.25562e-006	0.68499
Pore Water Pressure [ksf]	0.253351	3.34666
Excess Pore Water Pressure [ksf]	0	0.111145
Degree of Consolidation [%]	0	88.0559
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	2.0018
Void Ratio	0	4.4141
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0121096

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.17989
Total Consolidation Settlement [in]	0	7.17085
Virgin Consolidation Settlement [in]	0	5.74656
Recompression Consolidation Settlement [in]	0	1.42429
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.114776	2.4734
Effective Stress XX [ksf]	0.258499	2.66291
Effective Stress YY [ksf]	0.369201	2.70072
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.514224	6.00448
Total Stress YY [ksf]	0.624926	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	4.55909e-006	0.684382
Pore Water Pressure [ksf]	0.255724	3.34157
Excess Pore Water Pressure [ksf]	0	0.100194
Degree of Consolidation [%]	0	95.2506
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.99869
Void Ratio	0	4.31406
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0123299

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.44488
Total Consolidation Settlement [in]	0	7.43584
Virgin Consolidation Settlement [in]	0	5.9898
Recompression Consolidation Settlement [in]	0	1.44604
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.1134	2.47535
Effective Stress XX [ksf]	0.258499	2.66486
Effective Stress YY [ksf]	0.369201	2.70267
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.515599	6.00448
Total Stress YY [ksf]	0.626301	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	1.68744e-005	0.684027
Pore Water Pressure [ksf]	0.2571	3.33962
Excess Pore Water Pressure [ksf]	0	0.0903924
Degree of Consolidation [%]	0	98.1446
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.99516
Void Ratio	0	4.26212
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0124498

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.69989
Total Consolidation Settlement [in]	0	7.69084
Virgin Consolidation Settlement [in]	0	6.20955
Recompression Consolidation Settlement [in]	0	1.48129
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.112078	2.47639
Effective Stress XX [ksf]	0.258499	2.6659
Effective Stress YY [ksf]	0.369201	2.70371
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.516921	6.00448
Total Stress YY [ksf]	0.627623	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	4.85342e-005	0.68368
Pore Water Pressure [ksf]	0.258422	3.33858
Excess Pore Water Pressure [ksf]	0	0.0762145
Degree of Consolidation [%]	0	99.723
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.98612
Void Ratio	0	4.21625
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125595

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.83273
Total Consolidation Settlement [in]	0	7.82369
Virgin Consolidation Settlement [in]	0	6.31915
Recompression Consolidation Settlement [in]	0	1.50454
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.111386	2.47654
Effective Stress XX [ksf]	0.258499	2.66605
Effective Stress YY [ksf]	0.369201	2.70386
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.517613	6.00448
Total Stress YY [ksf]	0.628315	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	8.05274e-005	0.683478
Pore Water Pressure [ksf]	0.259114	3.33843
Excess Pore Water Pressure [ksf]	0	0.0665288
Degree of Consolidation [%]	0	99.9593
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.97702
Void Ratio	0	4.20453
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125938

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.90729
Total Consolidation Settlement [in]	0	7.89824
Virgin Consolidation Settlement [in]	0	6.37442
Recompression Consolidation Settlement [in]	0	1.52382
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.111003	2.47656
Effective Stress XX [ksf]	0.258499	2.66607
Effective Stress YY [ksf]	0.369201	2.70388
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.517996	6.00448
Total Stress YY [ksf]	0.628698	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103911	0.68336
Pore Water Pressure [ksf]	0.259497	3.3384
Excess Pore Water Pressure [ksf]	0	0.0576507
Degree of Consolidation [%]	0	99.994
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.96862
Void Ratio	0	4.20063
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126079

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.95562
Total Consolidation Settlement [in]	0	7.94657
Virgin Consolidation Settlement [in]	0	6.40518
Recompression Consolidation Settlement [in]	0	1.54139
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.110756	2.47657
Effective Stress XX [ksf]	0.258499	2.66608
Effective Stress YY [ksf]	0.369201	2.70389
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.518244	6.00448
Total Stress YY [ksf]	0.628945	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103921	0.683281
Pore Water Pressure [ksf]	0.259744	3.3384
Excess Pore Water Pressure [ksf]	0	0.048928
Degree of Consolidation [%]	0	99.9993
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.9609
Void Ratio	0	4.19907
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126151

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.04553
Total Consolidation Settlement [in]	0	8.03648
Virgin Consolidation Settlement [in]	0	6.43872
Recompression Consolidation Settlement [in]	0	1.59776
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.110291	2.47657
Effective Stress XX [ksf]	0.258499	2.66608
Effective Stress YY [ksf]	0.369201	2.70389
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.518708	6.00448
Total Stress YY [ksf]	0.62941	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103922	0.683129
Pore Water Pressure [ksf]	0.260209	3.3384
Excess Pore Water Pressure [ksf]	0	0.0181688
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.94994
Void Ratio	0	4.19863
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126227

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.06819
Total Consolidation Settlement [in]	0	8.05915
Virgin Consolidation Settlement [in]	0	6.44146
Recompression Consolidation Settlement [in]	0	1.61769
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.110162	2.47657
Effective Stress XX [ksf]	0.258499	2.66608
Effective Stress YY [ksf]	0.369201	2.70389
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.518837	6.00448
Total Stress YY [ksf]	0.629539	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103922	0.683085
Pore Water Pressure [ksf]	0.260338	3.3384
Excess Pore Water Pressure [ksf]	0	0.0065692
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.94988
Void Ratio	0	4.19876
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126227

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.07897
Total Consolidation Settlement [in]	0	8.06992
Virgin Consolidation Settlement [in]	0	6.44253
Recompression Consolidation Settlement [in]	0	1.62739
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.1101	2.47657
Effective Stress XX [ksf]	0.258499	2.66608
Effective Stress YY [ksf]	0.369201	2.70389
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.518899	6.00448
Total Stress YY [ksf]	0.629601	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103922	0.683065
Pore Water Pressure [ksf]	0.2604	3.3384
Excess Pore Water Pressure [ksf]	-1.69521e-006	0.000855547
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.94985
Void Ratio	0	4.19883
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126227

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.08056
Total Consolidation Settlement [in]	0	8.07152
Virgin Consolidation Settlement [in]	0	6.44268
Recompression Consolidation Settlement [in]	0	1.62883
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.110091	2.47657
Effective Stress XX [ksf]	0.258499	2.66608
Effective Stress YY [ksf]	0.369201	2.70389
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.518908	6.00448
Total Stress YY [ksf]	0.62961	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103922	0.683062
Pore Water Pressure [ksf]	0.260409	3.3384
Excess Pore Water Pressure [ksf]	-3.74289e-006	5.21426e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.94984
Void Ratio	0	4.19884
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126227

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.08057
Total Consolidation Settlement [in]	0	8.07153
Virgin Consolidation Settlement [in]	0	6.44269
Recompression Consolidation Settlement [in]	0	1.62884
Immediate Settlement [in]	0	0.00904478
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.09523	0.382788
Loading Stress XX [ksf]	0.25215	0.468625
Loading Stress YY [ksf]	0.525746	0.661255
Effective Stress ZZ [ksf]	0.110091	2.47657
Effective Stress XX [ksf]	0.258499	2.66608
Effective Stress YY [ksf]	0.369201	2.70389
Total Stress ZZ [ksf]	0.3705	5.81497
Total Stress XX [ksf]	0.518908	6.00448
Total Stress YY [ksf]	0.62961	6.04229
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000103922	0.683062
Pore Water Pressure [ksf]	0.260409	3.3384
Excess Pore Water Pressure [ksf]	-1.11975e-006	3.71419e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.13002	3.61192
Over-consolidation Ratio	1	1.94984
Void Ratio	0	4.19884
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0126227

Embankments

1. Embankment: "Embankment Load to +2.5"

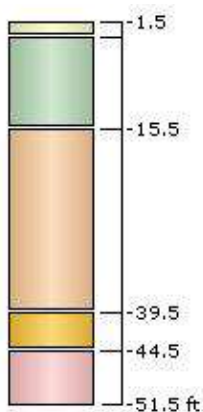
Label	Embankment Load to +2.5'
Center Line	(35.5, 0) to (35.5, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.1	14	0
2	Stage 2 = 2 d	0	14	0.44	0.1	14	0
3	Stage 3 = 3 d	0	14	0.44	0.1	14	0
4	Stage 4 = 4 d	0	14	0.44	0.1	14	0
5	Stage 5 = 5 d	0	14	0.44	0.1	14	0
6	Stage 6 = 6 d	0	14	0.44	0.1	14	0
7	Stage 7 = 7 d	0	14	0.44	0.1	14	0
8	Stage 8 = 8 d	0	14	0.44	0.1	14	0
9	Stage 9 = 10 d	0	14	0.48	0.1	14	0




Soil Layers


Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Organic Clay (OH)	2	1.5	No
2	Very Soft to Soft Gray Fat Clay (CH)	12	3.5	No
3	Medium to Stiff Gray Lean Clay (CL)	24	15.5	Yes
4	Medium Dense Gray Clayey Sand (SC)	5	39.5	Yes
5	Medium Stiff Gray Clay	7	44.5	No



Soil Properties

Property	Very Soft Gray Organic Clay (OH)	Very Soft to Soft Gray Fat Clay (CH)	Medium to Stiff Gray Lean Clay (CL)	Medium Dense Gray Clayey Sand (SC)
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.26	0.39	-
Cr	0.53	0.03	0.03	-
e0	4.86	1.4	0.87	-
OCR	4	1.35	2	-
Cv [ft ² /d]	0.03	0.1	0.6	-
Cvr [ft ² /d]	0.03	0.1	0.6	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium Stiff Gray Clay
Color	
Unit Weight [kips/ft ³]	0.115
Saturated Unit Weight [kips/ft ³]	0.115
K0	1
Primary Consolidation	Enabled
Material Type	Non-Linear
Cc	0.16
Cr	0.03
e0	0.87
OCR	1.2
Cv [ft ² /d]	0.6
Cvr [ft ² /d]	0.6
B-bar	1
Undrained Su A [kips/ft ²]	0
Undrained Su S	0.2
Undrained Su m	0.8
Piezo Line ID	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 59

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-8 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/09/18

Comments

III-2A
 B-8/C-4 (Cell 1)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00326164
Total Consolidation Settlement [in]	-0.00201935	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00201935	0
Immediate Settlement [in]	0	0.00326164
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0364483	0.067
Loading Stress XX [ksf]	0.0280539	0.075242
Loading Stress YY [ksf]	0.0657461	0.115269
Effective Stress ZZ [ksf]	-1.69606e-005	2.44
Effective Stress XX [ksf]	0.0105483	2.46829
Effective Stress YY [ksf]	0.0247205	2.48103
Total Stress ZZ [ksf]	0.243592	5.7921
Total Stress XX [ksf]	0.254157	5.8204
Total Stress YY [ksf]	0.268329	5.83313
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000380357	5.61331e-005
Pore Water Pressure [ksf]	0.243609	3.3521
Excess Pore Water Pressure [ksf]	0.0137045	0.025192
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	3.61192
Over-consolidation Ratio	1.2	4.03892
Void Ratio	0	4.86223
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.27431e-006	0.874354
Total Consolidation Settlement [in]	-4.27431e-006	0.868112
Virgin Consolidation Settlement [in]	0	0.567736
Recompression Consolidation Settlement [in]	-4.27431e-006	0.300376
Immediate Settlement [in]	0	0.0062421
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0694535	0.133999
Loading Stress XX [ksf]	0.0577882	0.151301
Loading Stress YY [ksf]	0.134486	0.23053
Effective Stress ZZ [ksf]	0.0125058	2.43983
Effective Stress XX [ksf]	0.0353543	2.49672
Effective Stress YY [ksf]	0.0646333	2.52108
Total Stress ZZ [ksf]	0.268784	5.80451
Total Stress XX [ksf]	0.295069	5.8614
Total Stress YY [ksf]	0.323907	5.88576
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.41839e-005	0.290988
Pore Water Pressure [ksf]	0.248148	3.36468
Excess Pore Water Pressure [ksf]	0.0139083	0.0503637
Degree of Consolidation [%]	0	26.488
Pre-consolidation Stress [ksf]	0.020926	3.61192
Over-consolidation Ratio	1.00055	4.0045
Void Ratio	0	4.86026
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00208042

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-9.07125e-006	1.61889
Total Consolidation Settlement [in]	-9.07125e-006	1.60998
Virgin Consolidation Settlement [in]	0	1.14508
Recompression Consolidation Settlement [in]	-9.07125e-006	0.464896
Immediate Settlement [in]	0	0.00891477
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0988059	0.200989
Loading Stress XX [ksf]	0.0896992	0.228103
Loading Stress YY [ksf]	0.207001	0.344867
Effective Stress ZZ [ksf]	0.0191394	2.43961
Effective Stress XX [ksf]	0.0560387	2.52537
Effective Stress YY [ksf]	0.101891	2.56013
Total Stress ZZ [ksf]	0.293972	5.81555
Total Stress XX [ksf]	0.336132	5.90132
Total Stress YY [ksf]	0.380237	5.93607
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.21174e-005	0.430934
Pore Water Pressure [ksf]	0.252021	3.37594
Excess Pore Water Pressure [ksf]	0.0124383	0.075492
Degree of Consolidation [%]	0	33.6123
Pre-consolidation Stress [ksf]	0.0367157	3.61192
Over-consolidation Ratio	1.00035	4.00288
Void Ratio	0	4.86017
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00366216

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.08087e-005	2.21
Total Consolidation Settlement [in]	-1.08087e-005	2.19874
Virgin Consolidation Settlement [in]	0	1.60614
Recompression Consolidation Settlement [in]	-1.08087e-005	0.5926
Immediate Settlement [in]	0	0.0112551
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.124321	0.267936
Loading Stress XX [ksf]	0.124505	0.305576
Loading Stress YY [ksf]	0.284381	0.459254
Effective Stress ZZ [ksf]	0.0221211	2.43937
Effective Stress XX [ksf]	0.0735278	2.55426
Effective Stress YY [ksf]	0.136088	2.5981
Total Stress ZZ [ksf]	0.319144	5.82514
Total Stress XX [ksf]	0.377466	5.94004
Total Stress YY [ksf]	0.43758	5.98388
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.71819e-006	0.523179
Pore Water Pressure [ksf]	0.255081	3.38578
Excess Pore Water Pressure [ksf]	0.0108652	0.100499
Degree of Consolidation [%]	0	34.9677
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.0002	3.98721
Void Ratio	0	4.85926
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00420798

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.40997e-005	2.67305
Total Consolidation Settlement [in]	-1.40997e-005	2.65981
Virgin Consolidation Settlement [in]	0	1.94757
Recompression Consolidation Settlement [in]	-1.40997e-005	0.712231
Immediate Settlement [in]	0	0.0132415
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.145849	0.33473
Loading Stress XX [ksf]	0.163254	0.383636
Loading Stress YY [ksf]	0.368184	0.571487
Effective Stress ZZ [ksf]	0.0266863	2.43916
Effective Stress XX [ksf]	0.0943062	2.58341
Effective Stress YY [ksf]	0.174532	2.63495
Total Stress ZZ [ksf]	0.344259	5.83324
Total Stress XX [ksf]	0.419556	5.97749
Total Stress YY [ksf]	0.496609	6.02903
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.42451e-006	0.591245
Pore Water Pressure [ksf]	0.257428	3.39407
Excess Pore Water Pressure [ksf]	0.00920376	0.125201
Degree of Consolidation [%]	0	34.6148
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00012	3.94651
Void Ratio	0	4.85689
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft^2/d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00465338

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.49682e-005	3.19512
Total Consolidation Settlement [in]	-1.49682e-005	3.17925
Virgin Consolidation Settlement [in]	0	2.41117
Recompression Consolidation Settlement [in]	-1.49682e-005	0.768083
Immediate Settlement [in]	0	0.015873
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163273	0.40101
Loading Stress XX [ksf]	0.207475	0.462151
Loading Stress YY [ksf]	0.460596	0.681352
Effective Stress ZZ [ksf]	0.0303733	2.43906
Effective Stress XX [ksf]	0.132337	2.6314
Effective Stress YY [ksf]	0.243218	2.69322
Total Stress ZZ [ksf]	0.384855	5.84391
Total Stress XX [ksf]	0.489951	6.03625
Total Stress YY [ksf]	0.596522	6.09807
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.13372e-006	0.641319
Pore Water Pressure [ksf]	0.275624	3.40485
Excess Pore Water Pressure [ksf]	0.0121728	0.164408
Degree of Consolidation [%]	0	33.3861
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00013	3.86741
Void Ratio	0	4.85221
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00774517

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.30987e-005	3.83746
Total Consolidation Settlement [in]	-1.30987e-005	3.81831
Virgin Consolidation Settlement [in]	0	2.99752
Recompression Consolidation Settlement [in]	-1.30987e-005	0.820785
Immediate Settlement [in]	0	0.0191501
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.176524	0.465547
Loading Stress XX [ksf]	0.259235	0.540802
Loading Stress YY [ksf]	0.564253	0.78759
Effective Stress ZZ [ksf]	0.0322761	2.43905
Effective Stress XX [ksf]	0.192765	2.71004
Effective Stress YY [ksf]	0.358406	2.78539
Total Stress ZZ [ksf]	0.449392	5.85716
Total Stress XX [ksf]	0.609587	6.12815
Total Stress YY [ksf]	0.768054	6.2035
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.4496e-006	0.701124
Pore Water Pressure [ksf]	0.302903	3.41811
Excess Pore Water Pressure [ksf]	0.015143	0.224514
Degree of Consolidation [%]	0	32.2424
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00012	3.74259
Void Ratio	0	4.8446
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00787166

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.13626e-006	4.5909
Total Consolidation Settlement [in]	-8.13626e-006	4.56951
Virgin Consolidation Settlement [in]	0	3.69123
Recompression Consolidation Settlement [in]	-8.13626e-006	0.878281
Immediate Settlement [in]	0	0.0213908
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.185569	0.524073
Loading Stress XX [ksf]	0.320672	0.618996
Loading Stress YY [ksf]	0.679791	0.889087
Effective Stress ZZ [ksf]	0.0348587	2.43915
Effective Stress XX [ksf]	0.262042	2.78834
Effective Stress YY [ksf]	0.478629	2.87547
Total Stress ZZ [ksf]	0.507918	5.86621
Total Stress XX [ksf]	0.733459	6.21539
Total Stress YY [ksf]	0.946027	6.30253
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.42195e-005	0.772228
Pore Water Pressure [ksf]	0.300802	3.42706
Excess Pore Water Pressure [ksf]	0.010348	0.275003
Degree of Consolidation [%]	0	33.8907
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00006	3.58037
Void Ratio	0	4.83429
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00801906

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.72546
Total Consolidation Settlement [in]	0	5.7029
Virgin Consolidation Settlement [in]	0	4.6946
Recompression Consolidation Settlement [in]	0	1.00831
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.0393674	2.44015
Effective Stress XX [ksf]	0.342488	2.86636
Effective Stress YY [ksf]	0.592463	2.96078
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.849332	6.29714
Total Stress YY [ksf]	1.10139	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.44329e-005	0.830338
Pore Water Pressure [ksf]	0.287175	3.43079
Excess Pore Water Pressure [ksf]	0.00540503	0.303332
Degree of Consolidation [%]	0	40.7115
Pre-consolidation Stress [ksf]	0.0490728	3.61192
Over-consolidation Ratio	1.00002	3.15032
Void Ratio	-0.00578183	4.80441
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00840572

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.03114
Total Consolidation Settlement [in]	0	7.00857
Virgin Consolidation Settlement [in]	0	5.80425
Recompression Consolidation Settlement [in]	0	1.20433
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.0532477	2.44533
Effective Stress XX [ksf]	0.359235	2.87154
Effective Stress YY [ksf]	0.60872	2.96597
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.856116	6.29714
Total Stress YY [ksf]	1.10818	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.41849e-005	0.862766
Pore Water Pressure [ksf]	0.254946	3.4256
Excess Pore Water Pressure [ksf]	0	0.295947
Degree of Consolidation [%]	0	51.1524
Pre-consolidation Stress [ksf]	0.0539677	3.61192
Over-consolidation Ratio	1	2.05639
Void Ratio	-0.19581	4.70438
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0105182

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.15039
Total Consolidation Settlement [in]	0	8.12783
Virgin Consolidation Settlement [in]	0	6.79881
Recompression Consolidation Settlement [in]	0	1.32902
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.0831701	2.45755
Effective Stress XX [ksf]	0.389784	2.88376
Effective Stress YY [ksf]	0.639269	2.97818
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.861923	6.29714
Total Stress YY [ksf]	1.11399	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.3349e-005	0.862478
Pore Water Pressure [ksf]	0.260753	3.41339
Excess Pore Water Pressure [ksf]	0	0.2879
Degree of Consolidation [%]	0	60.144
Pre-consolidation Stress [ksf]	0.083306	3.61192
Over-consolidation Ratio	1	2.00539
Void Ratio	-0.194122	4.56596
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0117566

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.35465
Total Consolidation Settlement [in]	0	9.33208
Virgin Consolidation Settlement [in]	0	7.94491
Recompression Consolidation Settlement [in]	0	1.38717
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.146102	2.4773
Effective Stress XX [ksf]	0.465789	2.90351
Effective Stress YY [ksf]	0.713574	2.99793
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.868186	6.29714
Total Stress YY [ksf]	1.12025	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.69093e-005	0.860958
Pore Water Pressure [ksf]	0.267016	3.39364
Excess Pore Water Pressure [ksf]	0	0.272018
Degree of Consolidation [%]	0	70.7268
Pre-consolidation Stress [ksf]	0.149137	3.61192
Over-consolidation Ratio	1	2.00588
Void Ratio	-0.185211	4.16869
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0127832

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.2505
Total Consolidation Settlement [in]	0	10.2279
Virgin Consolidation Settlement [in]	0	8.80459
Recompression Consolidation Settlement [in]	0	1.42332
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.207493	2.49825
Effective Stress XX [ksf]	0.526156	2.92446
Effective Stress YY [ksf]	0.775641	3.01889
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.872831	6.29714
Total Stress YY [ksf]	1.12489	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.76159e-005	0.860791
Pore Water Pressure [ksf]	0.271661	3.37268
Excess Pore Water Pressure [ksf]	0	0.253074
Degree of Consolidation [%]	0	81.408
Pre-consolidation Stress [ksf]	0.209603	3.61192
Over-consolidation Ratio	1	2.00401
Void Ratio	-0.184237	3.84232
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0135789

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.8797
Total Consolidation Settlement [in]	0	10.8571
Virgin Consolidation Settlement [in]	0	9.40852
Recompression Consolidation Settlement [in]	0	1.44859
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.242563	2.51129
Effective Stress XX [ksf]	0.558386	2.9375
Effective Stress YY [ksf]	0.807871	3.03193
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.876088	6.29714
Total Stress YY [ksf]	1.12815	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.79331e-006	0.86045
Pore Water Pressure [ksf]	0.274918	3.35964
Excess Pore Water Pressure [ksf]	0	0.242398
Degree of Consolidation [%]	0	87.9466
Pre-consolidation Stress [ksf]	0.244537	3.61192
Over-consolidation Ratio	1	2.00052
Void Ratio	-0.182239	3.68762
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0140055

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.6786
Total Consolidation Settlement [in]	0	11.656
Virgin Consolidation Settlement [in]	0	10.16
Recompression Consolidation Settlement [in]	0	1.49601
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.267876	2.52438
Effective Stress XX [ksf]	0.595138	2.95059
Effective Stress YY [ksf]	0.845488	3.04502
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.880225	6.29714
Total Stress YY [ksf]	1.13229	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	2.81329e-005	0.860074
Pore Water Pressure [ksf]	0.279055	3.34655
Excess Pore Water Pressure [ksf]	0	0.222822
Degree of Consolidation [%]	0	95.2114
Pre-consolidation Stress [ksf]	0.278346	3.61192
Over-consolidation Ratio	1	1.99194
Void Ratio	-0.180031	3.52676
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0144827

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.1853
Total Consolidation Settlement [in]	0	12.1627
Virgin Consolidation Settlement [in]	0	10.6383
Recompression Consolidation Settlement [in]	0	1.5244
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.265254	2.5294
Effective Stress XX [ksf]	0.60117	2.95561
Effective Stress YY [ksf]	0.853232	3.05004
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.882848	6.29714
Total Stress YY [ksf]	1.13491	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	6.08175e-005	0.859818
Pore Water Pressure [ksf]	0.281678	3.34153
Excess Pore Water Pressure [ksf]	0	0.201473
Degree of Consolidation [%]	0	98.1276
Pre-consolidation Stress [ksf]	0.285799	3.61192
Over-consolidation Ratio	1	1.98262
Void Ratio	-0.178533	3.44847
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147327

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.7521
Total Consolidation Settlement [in]	0	12.7295
Virgin Consolidation Settlement [in]	0	11.1525
Recompression Consolidation Settlement [in]	0	1.57696
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.262309	2.53207
Effective Stress XX [ksf]	0.60117	2.95828
Effective Stress YY [ksf]	0.853232	3.05271
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.885793	6.29714
Total Stress YY [ksf]	1.13785	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000140116	0.859496
Pore Water Pressure [ksf]	0.284623	3.33886
Excess Pore Water Pressure [ksf]	0	0.172603
Degree of Consolidation [%]	0	99.7205
Pre-consolidation Stress [ksf]	0.288494	3.61192
Over-consolidation Ratio	1	1.96018
Void Ratio	-0.176648	3.38618
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0149468

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.0587
Total Consolidation Settlement [in]	0	13.0362
Virgin Consolidation Settlement [in]	0	11.4202
Recompression Consolidation Settlement [in]	0	1.61598
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.260725	2.53247
Effective Stress XX [ksf]	0.60117	2.95868
Effective Stress YY [ksf]	0.853232	3.0531
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.887377	6.29714
Total Stress YY [ksf]	1.13944	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000221109	0.8593
Pore Water Pressure [ksf]	0.286207	3.33847
Excess Pore Water Pressure [ksf]	0	0.150697
Degree of Consolidation [%]	0	99.9589
Pre-consolidation Stress [ksf]	0.289118	3.61192
Over-consolidation Ratio	1	1.93753
Void Ratio	-0.1755	3.36693
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0150221

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2553
Total Consolidation Settlement [in]	0	13.2327
Virgin Consolidation Settlement [in]	0	11.5823
Recompression Consolidation Settlement [in]	0	1.65049
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.259708	2.53252
Effective Stress XX [ksf]	0.60117	2.95873
Effective Stress YY [ksf]	0.853232	3.05316
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.888394	6.29714
Total Stress YY [ksf]	1.14046	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.00025999	0.859164
Pore Water Pressure [ksf]	0.287223	3.33841
Excess Pore Water Pressure [ksf]	0	0.13008
Degree of Consolidation [%]	0	99.994
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.91819
Void Ratio	-0.174701	3.36119
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0150513

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.3972
Total Consolidation Settlement [in]	0	13.3746
Virgin Consolidation Settlement [in]	0	11.6892
Recompression Consolidation Settlement [in]	0	1.68541
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.258974	2.53253
Effective Stress XX [ksf]	0.60117	2.95874
Effective Stress YY [ksf]	0.853232	3.05317
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.889127	6.29714
Total Stress YY [ksf]	1.14119	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000260014	0.859062
Pore Water Pressure [ksf]	0.287957	3.3384
Excess Pore Water Pressure [ksf]	0	0.10837
Degree of Consolidation [%]	0	99.9992
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.90151
Void Ratio	-0.174102	3.3593
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0150658

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.7761
Total Consolidation Settlement [in]	0	13.7535
Virgin Consolidation Settlement [in]	0	11.9599
Recompression Consolidation Settlement [in]	0	1.79359
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.25701	2.53253
Effective Stress XX [ksf]	0.60117	2.95874
Effective Stress YY [ksf]	0.853232	3.05317
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.891092	6.29714
Total Stress YY [ksf]	1.14315	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000260018	0.858777
Pore Water Pressure [ksf]	0.289922	3.3384
Excess Pore Water Pressure [ksf]	0	0.0299334
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.88013
Void Ratio	-0.172431	3.35954
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0158116

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.8917
Total Consolidation Settlement [in]	0	13.8692
Virgin Consolidation Settlement [in]	0	12.0499
Recompression Consolidation Settlement [in]	0	1.81922
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.256395	2.53253
Effective Stress XX [ksf]	0.60117	2.95874
Effective Stress YY [ksf]	0.853232	3.05317
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.891707	6.29714
Total Stress YY [ksf]	1.14377	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000260018	0.858686
Pore Water Pressure [ksf]	0.290537	3.3384
Excess Pore Water Pressure [ksf]	0	0.00912919
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.88001
Void Ratio	-0.171899	3.35979
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0191215

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.9426
Total Consolidation Settlement [in]	0	13.9201
Virgin Consolidation Settlement [in]	0	12.0911
Recompression Consolidation Settlement [in]	0	1.82896
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.256111	2.53253
Effective Stress XX [ksf]	0.60117	2.95874
Effective Stress YY [ksf]	0.853232	3.05317
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.891991	6.29714
Total Stress YY [ksf]	1.14405	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000260018	0.858644
Pore Water Pressure [ksf]	0.29082	3.3384
Excess Pore Water Pressure [ksf]	-5.73807e-020	0.00119835
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.87996
Void Ratio	-0.171654	3.3599
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01942

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.9489
Total Consolidation Settlement [in]	0	13.9263
Virgin Consolidation Settlement [in]	0	12.0962
Recompression Consolidation Settlement [in]	0	1.83016
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.256076	2.53253
Effective Stress XX [ksf]	0.60117	2.95874
Effective Stress YY [ksf]	0.853232	3.05317
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.892026	6.29714
Total Stress YY [ksf]	1.14409	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000260018	0.858639
Pore Water Pressure [ksf]	0.290855	3.3384
Excess Pore Water Pressure [ksf]	-0.000222347	0.00023147
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.87996
Void Ratio	-0.171624	3.35991
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0194576

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.949
Total Consolidation Settlement [in]	0	13.9264
Virgin Consolidation Settlement [in]	0	12.0962
Recompression Consolidation Settlement [in]	0	1.83016
Immediate Settlement [in]	0	0.0225612
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.190295	0.563087
Loading Stress XX [ksf]	0.391645	0.696024
Loading Stress YY [ksf]	0.790258	0.980282
Effective Stress ZZ [ksf]	0.256076	2.53253
Effective Stress XX [ksf]	0.60117	2.95874
Effective Stress YY [ksf]	0.853232	3.05317
Total Stress ZZ [ksf]	0.546932	5.87093
Total Stress XX [ksf]	0.892026	6.29714
Total Stress YY [ksf]	1.14409	6.39157
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000260018	0.858639
Pore Water Pressure [ksf]	0.290856	3.3384
Excess Pore Water Pressure [ksf]	-0.000218527	0.000205863
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.28914	3.61192
Over-consolidation Ratio	1	1.87996
Void Ratio	-0.171624	3.35991
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.6
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0194649

Embankments

1. Embankment: "Embankment Load to +4.5"

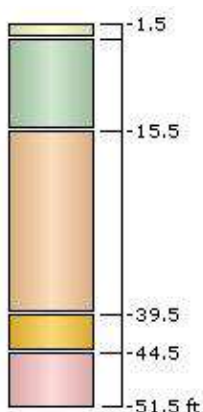
Label	Embankment Load to +4.5'
Center Line	(35.5, 0) to (35.5, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.1	14	0
2	Stage 2 = 2 d	0	14	0.67	0.1	14	0
3	Stage 3 = 3 d	0	14	0.67	0.1	14	0
4	Stage 4 = 4 d	0	14	0.67	0.1	14	0
5	Stage 5 = 5 d	0	14	0.67	0.1	14	0
6	Stage 6 = 6 d	0	14	0.67	0.1	14	0
7	Stage 7 = 7 d	0	14	0.67	0.1	14	0
8	Stage 8 = 8 d	0	14	0.67	0.1	14	0
9	Stage 9 = 10 d	0	14	0.64	0.1	14	0





Soil Layers


Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Organic Clay (OH)	2	1.5	No
2	Very Soft to Soft Gray Fat Clay (CH)	12	3.5	No
3	Medium to Stiff Gray Lean Clay (CL)	24	15.5	Yes
4	Medium Dense Gray Clayey Sand (SC)	5	39.5	Yes
5	Medium Stiff Gray Clay	7	44.5	No



Soil Properties

Property	Very Soft Gray Organic Clay (OH)	Very Soft to Soft Gray Fat Clay (CH)	Medium to Stiff Gray Lean Clay (CL)	Medium Dense Gray Clayey Sand (SC)
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.115	0.115
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.26	0.39	-
Cr	0.53	0.03	0.03	-
e0	4.86	1.4	0.87	-
OCR	4	1.35	2	-
Cv [ft ² /d]	0.03	0.1	0.6	-
Cvr [ft ² /d]	0.03	0.1	0.6	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium Stiff Gray Clay
Color	
Unit Weight [kips/ft ³]	0.115
Saturated Unit Weight [kips/ft ³]	0.115
K0	1
Primary Consolidation	Enabled
Material Type	Non-Linear
Cc	0.16
Cr	0.03
e0	0.87
OCR	1.2
Cv [ft ² /d]	0.6
Cvr [ft ² /d]	0.6
B-bar	1
Undrained Su A [kips/ft ²]	0
Undrained Su S	0.2
Undrained Su m	0.8
Piezo Line ID	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 59

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-9 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

III-3A
B-9 (Cell 2)
4585-17-006
PO-169

Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00235641
Total Consolidation Settlement [in]	-0.000461974	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.000461974	0
Immediate Settlement [in]	0	0.00236028
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0239161	0.0395986
Loading Stress XX [ksf]	0.0163194	0.0438639
Loading Stress YY [ksf]	0.0391187	0.0683537
Effective Stress ZZ [ksf]	-1.22735e-005	1.558
Effective Stress XX [ksf]	0.00500461	1.57145
Effective Stress YY [ksf]	0.0119964	1.57827
Total Stress ZZ [ksf]	0.230544	3.65573
Total Stress XX [ksf]	0.23556	3.66919
Total Stress YY [ksf]	0.242552	3.676
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.30092e-005	3.7723e-005
Pore Water Pressure [ksf]	0.230556	2.09773
Excess Pore Water Pressure [ksf]	0.00733428	0.0121436
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.01304	7.7612
Over-consolidation Ratio	2.60001	5.00001
Void Ratio	0	2.59026
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.0948826
Total Consolidation Settlement [in]	0	0.0902891
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0.0902891
Immediate Settlement [in]	0	0.00459349
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0458218	0.0791953
Loading Stress XX [ksf]	0.0336242	0.0883019
Loading Stress YY [ksf]	0.0798475	0.136674
Effective Stress ZZ [ksf]	0.0116481	1.56533
Effective Stress XX [ksf]	0.022455	1.59241
Effective Stress YY [ksf]	0.0366301	1.60552
Total Stress ZZ [ksf]	0.242687	3.66245
Total Stress XX [ksf]	0.253493	3.68953
Total Stress YY [ksf]	0.267669	3.70264
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.18573e-005	0.0262509
Pore Water Pressure [ksf]	0.231038	2.09712
Excess Pore Water Pressure [ksf]	0.00671775	0.0242675
Degree of Consolidation [%]	0	51.6342
Pre-consolidation Stress [ksf]	0.01304	7.7612
Over-consolidation Ratio	1.03052	4.97643
Void Ratio	0	2.59004
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.297686
Total Consolidation Settlement [in]	0	0.291012
Virgin Consolidation Settlement [in]	0	0.155043
Recompression Consolidation Settlement [in]	0	0.135969
Immediate Settlement [in]	0	0.0066741
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0655587	0.118785
Loading Stress XX [ksf]	0.0521384	0.133256
Loading Stress YY [ksf]	0.122621	0.204757
Effective Stress ZZ [ksf]	0.0211582	1.57205
Effective Stress XX [ksf]	0.0382022	1.61292
Effective Stress YY [ksf]	0.0602782	1.63175
Total Stress ZZ [ksf]	0.254827	3.6685
Total Stress XX [ksf]	0.272366	3.70937
Total Stress YY [ksf]	0.293981	3.7282
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.6838e-005	0.0914264
Pore Water Pressure [ksf]	0.232091	2.09645
Excess Pore Water Pressure [ksf]	0.00605265	0.0363602
Degree of Consolidation [%]	0	69.2665
Pre-consolidation Stress [ksf]	0.0242633	7.7612
Over-consolidation Ratio	1.0004	4.95504
Void Ratio	0	2.59006
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft^2/d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00298428

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.442028
Total Consolidation Settlement [in]	0	0.433455
Virgin Consolidation Settlement [in]	0	0.252373
Recompression Consolidation Settlement [in]	0	0.181083
Immediate Settlement [in]	0	0.00857294
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0829816	0.158351
Loading Stress XX [ksf]	0.0722098	0.178654
Loading Stress YY [ksf]	0.168007	0.272388
Effective Stress ZZ [ksf]	0.0294969	1.5781
Effective Stress XX [ksf]	0.0532099	1.63289
Effective Stress YY [ksf]	0.0832445	1.65682
Total Stress ZZ [ksf]	0.266961	3.67385
Total Stress XX [ksf]	0.291406	3.72864
Total Stress YY [ksf]	0.320784	3.75256
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.87533e-005	0.131983
Pore Water Pressure [ksf]	0.232834	2.09574
Excess Pore Water Pressure [ksf]	0.00534302	0.0483744
Degree of Consolidation [%]	0	78.3723
Pre-consolidation Stress [ksf]	0.0358294	7.7612
Over-consolidation Ratio	1.00028	4.93592
Void Ratio	0	2.59003
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00342768

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.585482
Total Consolidation Settlement [in]	0	0.575224
Virgin Consolidation Settlement [in]	0	0.348752
Recompression Consolidation Settlement [in]	0	0.226473
Immediate Settlement [in]	0	0.0102582
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.097964	0.197845
Loading Stress XX [ksf]	0.0943224	0.224399
Loading Stress YY [ksf]	0.216816	0.339281
Effective Stress ZZ [ksf]	0.0362498	1.58345
Effective Stress XX [ksf]	0.0693135	1.65226
Effective Stress YY [ksf]	0.109012	1.68064
Total Stress ZZ [ksf]	0.279073	3.67844
Total Stress XX [ksf]	0.311045	3.74726
Total Stress YY [ksf]	0.348609	3.77563
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.97257e-005	0.158211
Pore Water Pressure [ksf]	0.233558	2.09499
Excess Pore Water Pressure [ksf]	0.0045946	0.0602345
Degree of Consolidation [%]	0	84.087
Pre-consolidation Stress [ksf]	0.0454137	7.7612
Over-consolidation Ratio	1.00019	4.91916
Void Ratio	0	2.58992
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00546483

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.729755
Total Consolidation Settlement [in]	0	0.718058
Virgin Consolidation Settlement [in]	0	0.456708
Recompression Consolidation Settlement [in]	0	0.26135
Immediate Settlement [in]	0	0.0116973
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.110403	0.237125
Loading Stress XX [ksf]	0.119154	0.270339
Loading Stress YY [ksf]	0.270221	0.405045
Effective Stress ZZ [ksf]	0.0393034	1.58804
Effective Stress XX [ksf]	0.0811194	1.67095
Effective Stress YY [ksf]	0.130039	1.70315
Total Stress ZZ [ksf]	0.291118	3.68226
Total Stress XX [ksf]	0.331455	3.76516
Total Stress YY [ksf]	0.377783	3.79736
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.09055e-005	0.180105
Pore Water Pressure [ksf]	0.234242	2.09421
Excess Pore Water Pressure [ksf]	0.00381473	0.0717599
Degree of Consolidation [%]	0	88.131
Pre-consolidation Stress [ksf]	0.0563693	7.7612
Over-consolidation Ratio	1.00013	4.90483
Void Ratio	0	2.58965
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00600225

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.854911
Total Consolidation Settlement [in]	0	0.842052
Virgin Consolidation Settlement [in]	0	0.547853
Recompression Consolidation Settlement [in]	0	0.294198
Immediate Settlement [in]	0	0.0128599
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.120225	0.275752
Loading Stress XX [ksf]	0.147662	0.316261
Loading Stress YY [ksf]	0.329777	0.46929
Effective Stress ZZ [ksf]	0.0430659	1.59186
Effective Stress XX [ksf]	0.0948082	1.68884
Effective Stress YY [ksf]	0.153526	1.72436
Total Stress ZZ [ksf]	0.302964	3.68527
Total Stress XX [ksf]	0.352695	3.78226
Total Stress YY [ksf]	0.408543	3.81778
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.16748e-005	0.198973
Pore Water Pressure [ksf]	0.234693	2.09341
Excess Pore Water Pressure [ksf]	0.00301196	0.0825653
Degree of Consolidation [%]	0	91.2478
Pre-consolidation Stress [ksf]	0.0676558	7.7612
Over-consolidation Ratio	1.00009	4.893
Void Ratio	0	2.58918
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00645256

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.96486
Total Consolidation Settlement [in]	0	0.951139
Virgin Consolidation Settlement [in]	0	0.624977
Recompression Consolidation Settlement [in]	0	0.326162
Immediate Settlement [in]	0	0.0137211
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.127385	0.3123
Loading Stress XX [ksf]	0.181247	0.362124
Loading Stress YY [ksf]	0.396623	0.531461
Effective Stress ZZ [ksf]	0.047418	1.59487
Effective Stress XX [ksf]	0.110522	1.70592
Effective Stress YY [ksf]	0.179227	1.74437
Total Stress ZZ [ksf]	0.314172	3.68746
Total Stress XX [ksf]	0.374775	3.79852
Total Stress YY [ksf]	0.440823	3.83696
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.16032e-005	0.214919
Pore Water Pressure [ksf]	0.234628	2.0926
Excess Pore Water Pressure [ksf]	0.00219571	0.0918869
Degree of Consolidation [%]	0	93.8154
Pre-consolidation Stress [ksf]	0.0789538	7.7612
Over-consolidation Ratio	1.00006	4.8837
Void Ratio	0	2.58849
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00683416

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.11808
Total Consolidation Settlement [in]	0	1.09288
Virgin Consolidation Settlement [in]	0	0.710788
Recompression Consolidation Settlement [in]	0	0.382091
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.0573499	1.59706
Effective Stress XX [ksf]	0.20524	1.75721
Effective Stress YY [ksf]	0.270516	1.79725
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.538133	3.88283
Total Stress YY [ksf]	0.601295	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5458.84
Total Strain	-2.64655e-005	0.230391
Pore Water Pressure [ksf]	0.300801	2.12562
Excess Pore Water Pressure [ksf]	0.03522	0.161065
Degree of Consolidation [%]	0	53.1128
Pre-consolidation Stress [ksf]	0.0922713	7.7612
Over-consolidation Ratio	1.00064	4.87695
Void Ratio	0	2.58647
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00705046

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.73569
Total Consolidation Settlement [in]	0	1.71049
Virgin Consolidation Settlement [in]	0	1.20533
Recompression Consolidation Settlement [in]	0	0.505163
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.0680293	1.63228
Effective Stress XX [ksf]	0.219245	1.79243
Effective Stress YY [ksf]	0.285414	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.541344	3.88283
Total Stress YY [ksf]	0.604505	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2913.75
Total Strain	-5.4645e-005	0.289897
Pore Water Pressure [ksf]	0.227432	2.0904
Excess Pore Water Pressure [ksf]	0	0.158617
Degree of Consolidation [%]	0	99.5056
Pre-consolidation Stress [ksf]	0.140393	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.57889
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0113158

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.04416
Total Consolidation Settlement [in]	0	2.01896
Virgin Consolidation Settlement [in]	0	1.39424
Recompression Consolidation Settlement [in]	0	0.624727
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.0840875	1.63228
Effective Stress XX [ksf]	0.236376	1.79243
Effective Stress YY [ksf]	0.303026	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.542946	3.88283
Total Stress YY [ksf]	0.606108	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2909.75
Total Strain	-6.7769e-005	0.290701
Pore Water Pressure [ksf]	0.229035	2.0904
Excess Pore Water Pressure [ksf]	0	0.154545
Degree of Consolidation [%]	0	99.6421
Pre-consolidation Stress [ksf]	0.161363	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.56103
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0122109

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.28439
Total Consolidation Settlement [in]	0	2.25919
Virgin Consolidation Settlement [in]	0	1.48625
Recompression Consolidation Settlement [in]	0	0.772948
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.113244	1.63228
Effective Stress XX [ksf]	0.266569	1.79243
Effective Stress YY [ksf]	0.333235	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.544194	3.88283
Total Stress YY [ksf]	0.607356	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2907.01
Total Strain	2.49599e-005	0.290671
Pore Water Pressure [ksf]	0.230283	2.0904
Excess Pore Water Pressure [ksf]	0	0.149141
Degree of Consolidation [%]	0	99.7362
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.53858
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0127757

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.50759
Total Consolidation Settlement [in]	0	2.48239
Virgin Consolidation Settlement [in]	0	1.5505
Recompression Consolidation Settlement [in]	0	0.931889
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.14758	1.63228
Effective Stress XX [ksf]	0.303476	1.79243
Effective Stress YY [ksf]	0.370805	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.545354	3.88283
Total Stress YY [ksf]	0.608515	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2904.46
Total Strain	0.00025468	0.290563
Pore Water Pressure [ksf]	0.231442	2.0904
Excess Pore Water Pressure [ksf]	0	0.13844
Degree of Consolidation [%]	0	99.8238
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1.00556	4.77111
Void Ratio	0	2.51781
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0157613

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.62139
Total Consolidation Settlement [in]	0	2.59619
Virgin Consolidation Settlement [in]	0	1.55515
Recompression Consolidation Settlement [in]	0	1.04105
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.158712	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.54595	3.88283
Total Stress YY [ksf]	0.609112	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2902.72
Total Strain	0.00025468	0.290519
Pore Water Pressure [ksf]	0.232039	2.0904
Excess Pore Water Pressure [ksf]	0	0.122911
Degree of Consolidation [%]	0	99.8837
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1.00522	4.77111
Void Ratio	0	2.51151
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0159745

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.78142
Total Consolidation Settlement [in]	0	2.75623
Virgin Consolidation Settlement [in]	0	1.5759
Recompression Consolidation Settlement [in]	0	1.18032
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.157881	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.546781	3.88283
Total Stress YY [ksf]	0.609943	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2900.79
Total Strain	0.00025468	0.290389
Pore Water Pressure [ksf]	0.23287	2.0904
Excess Pore Water Pressure [ksf]	0	0.0939444
Degree of Consolidation [%]	0	99.9502
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1.00906	4.77111
Void Ratio	0	2.50759
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0161367

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.9042
Total Consolidation Settlement [in]	0	2.879
Virgin Consolidation Settlement [in]	0	1.60656
Recompression Consolidation Settlement [in]	0	1.27244
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.157243	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.547419	3.88283
Total Stress YY [ksf]	0.610581	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.96
Total Strain	0.00025468	0.290259
Pore Water Pressure [ksf]	0.233508	2.0904
Excess Pore Water Pressure [ksf]	0	0.0697855
Degree of Consolidation [%]	0	99.9787
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1.00044	4.77111
Void Ratio	0	2.50453
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0163199

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.04868
Total Consolidation Settlement [in]	0	3.02349
Virgin Consolidation Settlement [in]	0	1.63948
Recompression Consolidation Settlement [in]	0	1.38401
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.156493	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.54817	3.88283
Total Stress YY [ksf]	0.611331	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.45
Total Strain	0.00025468	0.290244
Pore Water Pressure [ksf]	0.234258	2.0904
Excess Pore Water Pressure [ksf]	0	0.0370633
Degree of Consolidation [%]	0	99.9961
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.50089
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0165136

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.11096
Total Consolidation Settlement [in]	0	3.08576
Virgin Consolidation Settlement [in]	0	1.6489
Recompression Consolidation Settlement [in]	0	1.43686
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.156169	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548493	3.88283
Total Stress YY [ksf]	0.611655	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.36
Total Strain	0.00025468	0.290217
Pore Water Pressure [ksf]	0.234582	2.0904
Excess Pore Water Pressure [ksf]	0	0.0188508
Degree of Consolidation [%]	0	99.9993
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.4998
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0165654

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.14011
Total Consolidation Settlement [in]	0	3.11491
Virgin Consolidation Settlement [in]	0	1.65234
Recompression Consolidation Settlement [in]	0	1.46257
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.156018	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548644	3.88283
Total Stress YY [ksf]	0.611806	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290203
Pore Water Pressure [ksf]	0.234733	2.0904
Excess Pore Water Pressure [ksf]	0	0.00946525
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.49933
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0165861

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.15504
Total Consolidation Settlement [in]	0	3.12984
Virgin Consolidation Settlement [in]	0	1.65391
Recompression Consolidation Settlement [in]	0	1.47594
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.155936	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548726	3.88283
Total Stress YY [ksf]	0.611888	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290196
Pore Water Pressure [ksf]	0.234815	2.0904
Excess Pore Water Pressure [ksf]	0	0.00446639
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.4991
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0165961

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.16795
Total Consolidation Settlement [in]	0	3.14275
Virgin Consolidation Settlement [in]	0	1.65521
Recompression Consolidation Settlement [in]	0	1.48754
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.155865	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548797	3.88283
Total Stress YY [ksf]	0.611959	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290189
Pore Water Pressure [ksf]	0.234886	2.0904
Excess Pore Water Pressure [ksf]	0	6.49416e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.49891
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166046

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.16814
Total Consolidation Settlement [in]	0	3.14294
Virgin Consolidation Settlement [in]	0	1.65523
Recompression Consolidation Settlement [in]	0	1.48771
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.155864	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548798	3.88283
Total Stress YY [ksf]	0.61196	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290189
Pore Water Pressure [ksf]	0.234887	2.0904
Excess Pore Water Pressure [ksf]	0	9.3952e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.4989
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166047

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.16814
Total Consolidation Settlement [in]	0	3.14294
Virgin Consolidation Settlement [in]	0	1.65523
Recompression Consolidation Settlement [in]	0	1.48771
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.155864	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548798	3.88283
Total Stress YY [ksf]	0.61196	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290189
Pore Water Pressure [ksf]	0.234887	2.0904
Excess Pore Water Pressure [ksf]	-1.3775e-019	1.92801e-010
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.4989
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166047

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.16814
Total Consolidation Settlement [in]	0	3.14294
Virgin Consolidation Settlement [in]	0	1.65523
Recompression Consolidation Settlement [in]	0	1.48771
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.155864	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548798	3.88283
Total Stress YY [ksf]	0.61196	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290189
Pore Water Pressure [ksf]	0.234887	2.0904
Excess Pore Water Pressure [ksf]	-8.73006e-017	1.32699e-017
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.4989
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166047

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.16814
Total Consolidation Settlement [in]	0	3.14294
Virgin Consolidation Settlement [in]	0	1.65523
Recompression Consolidation Settlement [in]	0	1.48771
Immediate Settlement [in]	0	0.0251979
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163116	0.392295
Loading Stress XX [ksf]	0.271939	0.416647
Loading Stress YY [ksf]	0.487736	0.6012
Effective Stress ZZ [ksf]	0.155864	1.63228
Effective Stress XX [ksf]	0.313911	1.79243
Effective Stress YY [ksf]	0.377073	1.83247
Total Stress ZZ [ksf]	0.390751	3.72268
Total Stress XX [ksf]	0.548798	3.88283
Total Stress YY [ksf]	0.61196	3.92287
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	616.127
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2899.34
Total Strain	0.00025468	0.290189
Pore Water Pressure [ksf]	0.234887	2.0904
Excess Pore Water Pressure [ksf]	-8.70228e-017	1.32089e-017
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.164731	7.7612
Over-consolidation Ratio	1	4.77111
Void Ratio	0	2.4989
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166047

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 36000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
17.5	1000
17.5	0
33.5647	0
37.4353	0
53.5	0
53.5	1000
37.4353	1000
33.5647	1000

Embankments

1. Embankment: "Embankment Load to 2.5'"

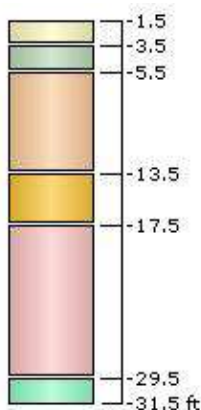
Label Embankment Load to 2.5'
 Center Line (35.5, 0) to (35.5, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.09	14	0
2	Stage 2 = 2 d	0	14	0.44	0.09	14	0
3	Stage 3 = 3 d	0	14	0.44	0.09	14	0
4	Stage 4 = 4 d	0	14	0.44	0.09	14	0
5	Stage 5 = 5 d	0	14	0.44	0.09	14	0
6	Stage 6 = 6 d	0	14	0.44	0.09	14	0
7	Stage 7 = 7 d	0	14	0.44	0.09	14	0
8	Stage 8 = 8 d	0	14	0.44	0.09	14	0
9	Stage 9 = 10 d	0	14	0.44	0.09	14	0


Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Fat Clay (CH)	2	1.5	No
2	Very Soft Gray Clay	2	3.5	No
3	Very Soft to Soft Gray Clay	8	5.5	Yes
4	Very Loose Gray Silty Sand (SM)	4	13.5	No
5	Medium Stiff Gray Fat Sandy Clay (CH)	12	17.5	Yes
6	Loose Poorly Graded Sand with Clay (SP-SC)	2	29.5	No



Soil Properties

Property	Very Soft Gray Fat Clay (CH)	Very Soft Gray Clay	Very Soft to Soft Gray Clay	Very Loose Gray Silty Sand (SM)
Color				
Unit Weight [kips/ft ³]	0.095	0.1	0.11	0.12
Saturated Unit Weight [kips/ft ³]	0.095	0.1	0.11	0.12
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	0.86	0.52	0.34	-
Cr	0.16	0.09	0.06	-
e0	2.59	1.72	1.26	-
OCR	4	4	3.5	-
Cv [ft ² /d]	0.03	0.068	0.15	-
Cvr [ft ² /d]	0.03	0.068	0.15	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium Stiff Gray Fat Sandy Clay (CH)	Loose Poorly Graded Sand with Clay (SP-SC)
Color		
Unit Weight [kips/ft ³]	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.12	0.12
K0	1	1
Immediate Settlement	Disabled	Enabled
Es [ksf]	-	292.396
Esur [ksf]	-	292.396
Primary Consolidation	Enabled	Disabled
Material Type	Non-Linear	
Cc	0.22	-
Cr	0.04	-
e0	0.95	-
OCR	2.6	-
Cv [ft ² /d]	0.4	-
Cvr [ft ² /d]	0.4	-
B-bar	1	-
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 65

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-9 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

III-3A

B-9 (Cell 2)

4585-17-006

PO-169

Stress Computation Method Boussinesq

Time-dependent Consolidation Analysis

Time Units days

Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00401535
Total Consolidation Settlement [in]	-0.000788498	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.000788498	0
Immediate Settlement [in]	0	0.00402263
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0452212	0.0603
Loading Stress XX [ksf]	0.0252485	0.0631588
Loading Stress YY [ksf]	0.0591715	0.103785
Effective Stress ZZ [ksf]	-2.09177e-005	1.558
Effective Stress XX [ksf]	0.00774287	1.57737
Effective Stress YY [ksf]	0.0181459	1.58978
Total Stress ZZ [ksf]	0.236892	3.66227
Total Stress XX [ksf]	0.244656	3.68164
Total Stress YY [ksf]	0.255059	3.69404
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000124596	6.07935e-005
Pore Water Pressure [ksf]	0.236913	2.10427
Excess Pore Water Pressure [ksf]	0.0138678	0.018492
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.01304	7.7612
Over-consolidation Ratio	2.60001	5.00002
Void Ratio	0	2.59045
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.206981
Total Consolidation Settlement [in]	0	0.199093
Virgin Consolidation Settlement [in]	0	0.0889133
Recompression Consolidation Settlement [in]	0	0.11018
Immediate Settlement [in]	0	0.00788818
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0872353	0.120599
Loading Stress XX [ksf]	0.0520093	0.127883
Loading Stress YY [ksf]	0.121037	0.207463
Effective Stress ZZ [ksf]	0.0171021	1.57187
Effective Stress XX [ksf]	0.0337449	1.61109
Effective Stress YY [ksf]	0.0552369	1.63521
Total Stress ZZ [ksf]	0.255384	3.67515
Total Stress XX [ksf]	0.272414	3.71437
Total Stress YY [ksf]	0.293582	3.73849
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.02873e-005	0.0638614
Pore Water Pressure [ksf]	0.237972	2.10328
Excess Pore Water Pressure [ksf]	0.0128843	0.0369689
Degree of Consolidation [%]	0	51.3656
Pre-consolidation Stress [ksf]	0.0186178	7.7612
Over-consolidation Ratio	1.00096	4.95565
Void Ratio	0	2.59007
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft^2/d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00292116

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.429881
Total Consolidation Settlement [in]	0	0.418333
Virgin Consolidation Settlement [in]	0	0.250841
Recompression Consolidation Settlement [in]	0	0.167492
Immediate Settlement [in]	0	0.0115482
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.125519	0.18089
Loading Stress XX [ksf]	0.0807293	0.19406
Loading Stress YY [ksf]	0.186301	0.310787
Effective Stress ZZ [ksf]	0.0262843	1.58475
Effective Stress XX [ksf]	0.0522619	1.64426
Effective Stress YY [ksf]	0.0851517	1.67922
Total Stress ZZ [ksf]	0.273873	3.68689
Total Stress XX [ksf]	0.30087	3.7464
Total Stress YY [ksf]	0.333246	3.78136
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.91836e-005	0.13134
Pore Water Pressure [ksf]	0.23913	2.10214
Excess Pore Water Pressure [ksf]	0.0117404	0.055413
Degree of Consolidation [%]	0	68.9713
Pre-consolidation Stress [ksf]	0.0356103	7.7612
Over-consolidation Ratio	1.00053	4.91514
Void Ratio	0	2.5901
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00356708

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.629262
Total Consolidation Settlement [in]	0	0.614322
Virgin Consolidation Settlement [in]	0	0.387664
Recompression Consolidation Settlement [in]	0	0.226658
Immediate Settlement [in]	0	0.0149404
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.159542	0.241142
Loading Stress XX [ksf]	0.112054	0.261547
Loading Stress YY [ksf]	0.255943	0.413389
Effective Stress ZZ [ksf]	0.0354357	1.59649
Effective Stress XX [ksf]	0.0731903	1.6767
Effective Stress YY [ksf]	0.119112	1.7214
Total Stress ZZ [ksf]	0.29235	3.69733
Total Stress XX [ksf]	0.329992	3.77753
Total Stress YY [ksf]	0.374118	3.82224
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.38639e-005	0.169424
Pore Water Pressure [ksf]	0.240156	2.10083
Excess Pore Water Pressure [ksf]	0.0104336	0.0737786
Degree of Consolidation [%]	0	78.1372
Pre-consolidation Stress [ksf]	0.0491381	7.7612
Over-consolidation Ratio	1.00034	4.87879
Void Ratio	0	2.59006
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00589143

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.821472
Total Consolidation Settlement [in]	0	0.803485
Virgin Consolidation Settlement [in]	0	0.530951
Recompression Consolidation Settlement [in]	0	0.272534
Immediate Settlement [in]	0	0.0179872
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.188796	0.301257
Loading Stress XX [ksf]	0.146928	0.330173
Loading Stress YY [ksf]	0.331365	0.514482
Effective Stress ZZ [ksf]	0.0388819	1.60693
Effective Stress XX [ksf]	0.0884984	1.70818
Effective Stress YY [ksf]	0.147387	1.76136
Total Stress ZZ [ksf]	0.310786	3.7063
Total Stress XX [ksf]	0.360122	3.80755
Total Stress YY [ksf]	0.416682	3.86073
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.54933e-005	0.198391
Pore Water Pressure [ksf]	0.241113	2.09937
Excess Pore Water Pressure [ksf]	0.0089714	0.0919369
Degree of Consolidation [%]	0	83.9677
Pre-consolidation Stress [ksf]	0.0654455	7.7612
Over-consolidation Ratio	1.00023	4.84693
Void Ratio	0	2.58986
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00658474

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.987393
Total Consolidation Settlement [in]	0	0.962934
Virgin Consolidation Settlement [in]	0	0.646844
Recompression Consolidation Settlement [in]	0	0.31609
Immediate Settlement [in]	0	0.024459
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.212837	0.360909
Loading Stress XX [ksf]	0.186727	0.399707
Loading Stress YY [ksf]	0.414536	0.613291
Effective Stress ZZ [ksf]	0.0434632	1.6159
Effective Stress XX [ksf]	0.126413	1.77001
Effective Stress YY [ksf]	0.21944	1.84071
Total Stress ZZ [ksf]	0.35613	3.72457
Total Stress XX [ksf]	0.436584	3.87868
Total Stress YY [ksf]	0.526113	3.94938
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.20154e-005	0.222043
Pore Water Pressure [ksf]	0.268887	2.10867
Excess Pore Water Pressure [ksf]	0.0182739	0.135932
Degree of Consolidation [%]	0	75.7156
Pre-consolidation Stress [ksf]	0.0825276	7.7612
Over-consolidation Ratio	1.0004	4.81986
Void Ratio	0	2.58945
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00690487

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.22123
Total Consolidation Settlement [in]	0	1.18999
Virgin Consolidation Settlement [in]	0	0.819037
Recompression Consolidation Settlement [in]	0	0.370951
Immediate Settlement [in]	0	0.031242
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.231313	0.418992
Loading Stress XX [ksf]	0.233312	0.469756
Loading Stress YY [ksf]	0.507828	0.708901
Effective Stress ZZ [ksf]	0.0493763	1.63417
Effective Stress XX [ksf]	0.183043	1.85833
Effective Stress YY [ksf]	0.323402	1.94752
Total Stress ZZ [ksf]	0.414213	3.74305
Total Stress XX [ksf]	0.54247	3.96721
Total Stress YY [ksf]	0.678707	4.05639
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.06546e-005	0.261226
Pore Water Pressure [ksf]	0.282845	2.10888
Excess Pore Water Pressure [ksf]	0.0184759	0.190255
Degree of Consolidation [%]	0	80.2173
Pre-consolidation Stress [ksf]	0.100275	7.7612
Over-consolidation Ratio	1.00028	4.76564
Void Ratio	0	2.58876
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00714594

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.47645
Total Consolidation Settlement [in]	0	1.44043
Virgin Consolidation Settlement [in]	0	1.01296
Recompression Consolidation Settlement [in]	0	0.427465
Immediate Settlement [in]	0	0.0360204
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.244	0.471666
Loading Stress XX [ksf]	0.288605	0.539692
Loading Stress YY [ksf]	0.611812	0.800265
Effective Stress ZZ [ksf]	0.0561491	1.65265
Effective Stress XX [ksf]	0.251188	1.94674
Effective Stress YY [ksf]	0.438618	2.05096
Total Stress ZZ [ksf]	0.466886	3.75573
Total Stress XX [ksf]	0.651767	4.04983
Total Stress YY [ksf]	0.836694	4.15405
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.19887e-005	0.297431
Pore Water Pressure [ksf]	0.278766	2.10309
Excess Pore Water Pressure [ksf]	0.0126871	0.23609
Degree of Consolidation [%]	0	87.8289
Pre-consolidation Stress [ksf]	0.121392	7.7612
Over-consolidation Ratio	1.00014	4.71204
Void Ratio	0	2.58769
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0106727

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.96605
Total Consolidation Settlement [in]	0	1.91649
Virgin Consolidation Settlement [in]	0	1.42183
Recompression Consolidation Settlement [in]	0	0.494657
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.0624433	1.66533
Effective Stress XX [ksf]	0.373624	2.03882
Effective Stress YY [ksf]	0.566441	2.14733
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.852315	4.17434
Total Stress YY [ksf]	1.04477	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2486.34
Total Strain	-7.57372e-005	0.325647
Pore Water Pressure [ksf]	0.313757	2.13552
Excess Pore Water Pressure [ksf]	0.0451173	0.312138
Degree of Consolidation [%]	0	71.3221
Pre-consolidation Stress [ksf]	0.15237	7.7612
Over-consolidation Ratio	1.00031	4.67592
Void Ratio	0	2.58366
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.011293

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.66849
Total Consolidation Settlement [in]	0	2.61893
Virgin Consolidation Settlement [in]	0	1.97004
Recompression Consolidation Settlement [in]	0	0.648892
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.0759164	1.71045
Effective Stress XX [ksf]	0.391555	2.08394
Effective Stress YY [ksf]	0.583971	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.855971	4.17434
Total Stress YY [ksf]	1.04843	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1781.45
Total Strain	-0.000120837	0.358458
Pore Water Pressure [ksf]	0.2323	2.0904
Excess Pore Water Pressure [ksf]	0	0.306911
Degree of Consolidation [%]	0	99.5432
Pre-consolidation Stress [ksf]	0.1956	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.56838
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01268

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.1031
Total Consolidation Settlement [in]	0	3.05354
Virgin Consolidation Settlement [in]	0	2.23693
Recompression Consolidation Settlement [in]	0	0.816609
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.100934	1.71045
Effective Stress XX [ksf]	0.420395	2.08394
Effective Stress YY [ksf]	0.612552	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.858229	4.17434
Total Stress YY [ksf]	1.05069	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1779.31
Total Strain	-0.000149693	0.359454
Pore Water Pressure [ksf]	0.234559	2.0904
Excess Pore Water Pressure [ksf]	0	0.298414
Degree of Consolidation [%]	0	99.6628
Pre-consolidation Stress [ksf]	0.207548	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.53617
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153794

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.59273
Total Consolidation Settlement [in]	0	3.54317
Virgin Consolidation Settlement [in]	0	2.51965
Recompression Consolidation Settlement [in]	0	1.02352
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.142172	1.71045
Effective Stress XX [ksf]	0.467663	2.08394
Effective Stress YY [ksf]	0.658453	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.860773	4.17434
Total Stress YY [ksf]	1.05323	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1777.75
Total Strain	4.64417e-005	0.359378
Pore Water Pressure [ksf]	0.237103	2.0904
Excess Pore Water Pressure [ksf]	0	0.287043
Degree of Consolidation [%]	0	99.7507
Pre-consolidation Stress [ksf]	0.23685	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.49792
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0176725

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.05518
Total Consolidation Settlement [in]	0	4.00562
Virgin Consolidation Settlement [in]	0	2.74444
Recompression Consolidation Settlement [in]	0	1.26117
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.186965	1.71045
Effective Stress XX [ksf]	0.520414	2.08394
Effective Stress YY [ksf]	0.708894	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.863176	4.17434
Total Stress YY [ksf]	1.05563	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1776.26
Total Strain	0.000522514	0.359279
Pore Water Pressure [ksf]	0.239506	2.0904
Excess Pore Water Pressure [ksf]	0	0.263091
Degree of Consolidation [%]	0	99.8339
Pre-consolidation Stress [ksf]	0.275383	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.43155
Permeability [ft/d]	0	0.0598087
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0198627

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.35222
Total Consolidation Settlement [in]	0	4.30266
Virgin Consolidation Settlement [in]	0	2.87552
Recompression Consolidation Settlement [in]	0	1.42714
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.234018	1.71045
Effective Stress XX [ksf]	0.567982	2.08394
Effective Stress YY [ksf]	0.756463	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.864719	4.17434
Total Stress YY [ksf]	1.05718	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1775.26
Total Strain	0.000522514	0.359117
Pore Water Pressure [ksf]	0.241049	2.0904
Excess Pore Water Pressure [ksf]	0	0.231469
Degree of Consolidation [%]	0	99.8904
Pre-consolidation Stress [ksf]	0.303929	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.39566
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0215462

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.70454
Total Consolidation Settlement [in]	0	4.65498
Virgin Consolidation Settlement [in]	0	3.00993
Recompression Consolidation Settlement [in]	0	1.64505
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306724	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.86655	4.17434
Total Stress YY [ksf]	1.05901	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1774.15
Total Strain	0.000522514	0.359021
Pore Water Pressure [ksf]	0.242879	2.0904
Excess Pore Water Pressure [ksf]	0	0.167566
Degree of Consolidation [%]	0	99.9531
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.36307
Permeability [ft/d]	0	0.0111272
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.023312

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.90456
Total Consolidation Settlement [in]	0	4.85499
Virgin Consolidation Settlement [in]	0	3.08034
Recompression Consolidation Settlement [in]	0	1.77466
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.30808	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.867589	4.17434
Total Stress YY [ksf]	1.06005	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.67
Total Strain	0.000522514	0.359007
Pore Water Pressure [ksf]	0.243918	2.0904
Excess Pore Water Pressure [ksf]	0	0.115808
Degree of Consolidation [%]	0	99.98
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.34711
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0237757

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.1126
Total Consolidation Settlement [in]	0	5.06304
Virgin Consolidation Settlement [in]	0	3.15167
Recompression Consolidation Settlement [in]	0	1.91137
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.307	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.868669	4.17434
Total Stress YY [ksf]	1.06113	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.38
Total Strain	0.000522514	0.358974
Pore Water Pressure [ksf]	0.244999	2.0904
Excess Pore Water Pressure [ksf]	0	0.0518793
Degree of Consolidation [%]	0	99.9964
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.336
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0268025

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.19995
Total Consolidation Settlement [in]	0	5.15039
Virgin Consolidation Settlement [in]	0	3.18686
Recompression Consolidation Settlement [in]	0	1.96352
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306546	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869123	4.17434
Total Stress YY [ksf]	1.06158	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.33
Total Strain	0.000522514	0.358959
Pore Water Pressure [ksf]	0.245453	2.0904
Excess Pore Water Pressure [ksf]	0	0.0221895
Degree of Consolidation [%]	0	99.9993
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.3306
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0270485

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.23614
Total Consolidation Settlement [in]	0	5.18658
Virgin Consolidation Settlement [in]	0	3.20174
Recompression Consolidation Settlement [in]	0	1.98484
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306358	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869311	4.17434
Total Stress YY [ksf]	1.06177	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.32
Total Strain	0.000522514	0.358954
Pore Water Pressure [ksf]	0.245641	2.0904
Excess Pore Water Pressure [ksf]	0	0.00944746
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.32831
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0271519

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.25211
Total Consolidation Settlement [in]	0	5.20255
Virgin Consolidation Settlement [in]	0	3.20835
Recompression Consolidation Settlement [in]	0	1.9942
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306271	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869398	4.17434
Total Stress YY [ksf]	1.06185	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.31
Total Strain	0.000522514	0.358951
Pore Water Pressure [ksf]	0.245727	2.0904
Excess Pore Water Pressure [ksf]	0	0.00374393
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.3273
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.027198

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.26247
Total Consolidation Settlement [in]	0	5.21291
Virgin Consolidation Settlement [in]	0	3.21265
Recompression Consolidation Settlement [in]	0	2.00026
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306215	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869454	4.17434
Total Stress YY [ksf]	1.06191	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.31
Total Strain	0.000522514	0.358949
Pore Water Pressure [ksf]	0.245784	2.0904
Excess Pore Water Pressure [ksf]	0	2.06028e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.32663
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0272279

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.26253
Total Consolidation Settlement [in]	0	5.21297
Virgin Consolidation Settlement [in]	0	3.21268
Recompression Consolidation Settlement [in]	0	2.00029
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306215	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869454	4.17434
Total Stress YY [ksf]	1.06191	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.31
Total Strain	0.000522514	0.358949
Pore Water Pressure [ksf]	0.245784	2.0904
Excess Pore Water Pressure [ksf]	0	1.12493e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.32663
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0272281

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.26253
Total Consolidation Settlement [in]	0	5.21297
Virgin Consolidation Settlement [in]	0	3.21268
Recompression Consolidation Settlement [in]	0	2.00029
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306215	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869454	4.17434
Total Stress YY [ksf]	1.06191	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.31
Total Strain	0.000522514	0.358949
Pore Water Pressure [ksf]	0.245784	2.0904
Excess Pore Water Pressure [ksf]	-1.61662e-011	1.07414e-011
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.32663
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0272281

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.26253
Total Consolidation Settlement [in]	0	5.21297
Virgin Consolidation Settlement [in]	0	3.21268
Recompression Consolidation Settlement [in]	0	2.00029
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306215	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869454	4.17434
Total Stress YY [ksf]	1.06191	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.31
Total Strain	0.000522514	0.358949
Pore Water Pressure [ksf]	0.245784	2.0904
Excess Pore Water Pressure [ksf]	-1.62112e-011	7.07839e-012
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.32663
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0272281

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.26253
Total Consolidation Settlement [in]	0	5.21297
Virgin Consolidation Settlement [in]	0	3.21268
Recompression Consolidation Settlement [in]	0	2.00029
Immediate Settlement [in]	0	0.0495607
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893622
Effective Stress ZZ [ksf]	0.306215	1.71045
Effective Stress XX [ksf]	0.62367	2.08394
Effective Stress YY [ksf]	0.816127	2.19244
Total Stress ZZ [ksf]	0.551999	3.80085
Total Stress XX [ksf]	0.869454	4.17434
Total Stress YY [ksf]	1.06191	4.28284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	369.406
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1773.31
Total Strain	0.000522514	0.358949
Pore Water Pressure [ksf]	0.245784	2.0904
Excess Pore Water Pressure [ksf]	-1.55064e-011	6.54785e-012
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.31899	7.7612
Over-consolidation Ratio	1	4.55198
Void Ratio	0	2.32663
Permeability [ft/d]	0	0.0155317
Coefficient of Consolidation [ft ² /d]	0	0.4
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0272281

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 52000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
9.5	1000
9.5	0
33.5647	0
37.4353	0
61.5	0
61.5	1000
37.4353	1000
33.5647	1000

Embankments

1. Embankment: "Embankment Load to 4.5'"

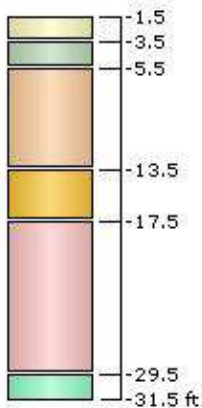
Label Embankment Load to 4.5'
 Center Line (35.5, 0) to (35.5, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.09	14	0
2	Stage 2 = 2 d	0	14	0.67	0.09	14	0
3	Stage 3 = 3 d	0	14	0.67	0.09	14	0
4	Stage 4 = 4 d	0	14	0.67	0.09	14	0
5	Stage 5 = 5 d	0	14	0.67	0.09	14	0
6	Stage 6 = 6 d	0	14	0.67	0.09	14	0
7	Stage 7 = 7 d	0	14	0.67	0.09	14	0
8	Stage 8 = 8 d	0	14	0.67	0.09	14	0
9	Stage 9 = 10 d	0	14	0.64	0.09	14	0





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Fat Clay (CH)	2	1.5	No
2	Very Soft Gray Clay	2	3.5	No
3	Very Soft to Soft Gray Clay	8	5.5	Yes
4	Very Loose Gray Silty Sand (SM)	4	13.5	No
5	Medium Stiff Gray Fat Sandy Clay (CH)	12	17.5	Yes
6	Loose Poorly Graded Sand with Clay (SP-SC)	2	29.5	No



Soil Properties

Property	Very Soft Gray Fat Clay (CH)	Very Soft Gray Clay	Very Soft to Soft Gray Clay	Very Loose Gray Silty Sand (SM)
Color				
Unit Weight [kips/ft ³]	0.095	0.1	0.11	0.12
Saturated Unit Weight [kips/ft ³]	0.095	0.1	0.11	0.12
K0	1	1	1	1
Immediate Settlement	Disabled	Disabled	Disabled	Enabled
Es [ksf]	-	-	-	292.396
Esur [ksf]	-	-	-	292.396
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	0.86	0.52	0.34	-
Cr	0.16	0.09	0.06	-
e0	2.59	1.72	1.26	-
OCR	4	4	3.5	-
Cv [ft ² /d]	0.03	0.068	0.15	-
Cvr [ft ² /d]	0.03	0.068	0.15	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium Stiff Gray Fat Sandy Clay (CH)	Loose Poorly Graded Sand with Clay (SP-SC)
Color		
Unit Weight [kips/ft ³]	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.12	0.12
K0	1	1
Immediate Settlement	Disabled	Enabled
Es [ksf]	-	292.396
Esur [ksf]	-	292.396
Primary Consolidation	Enabled	Disabled
Material Type	Non-Linear	
Cc	0.22	-
Cr	0.04	-
e0	0.95	-
OCR	2.6	-
Cv [ft ² /d]	0.4	-
Cvr [ft ² /d]	0.4	-
B-bar	1	-
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 65

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-10 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

III-4A
B-10/C-10 (Cell 2)
4585-17-006
PO-169
Stress Computation Method Boussinesq
Time-dependent Consolidation Analysis
Time Units days
Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.0164643
Total Consolidation Settlement [in]	-0.0093152	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.0093152	0
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	-3.71758e-005	1.391
Effective Stress XX [ksf]	0.089261	1.55401
Effective Stress YY [ksf]	0.186114	1.60571
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.443205	3.69639
Total Stress YY [ksf]	0.540059	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00110838	0.000216272
Pore Water Pressure [ksf]	0.353944	2.14238
Excess Pore Water Pressure [ksf]	0.0519785	0.135507
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00544	3.94789
Over-consolidation Ratio	1	4.13403
Void Ratio	0	6.4983
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.44124
Total Consolidation Settlement [in]	-0.000191406	2.42478
Virgin Consolidation Settlement [in]	0	1.91206
Recompression Consolidation Settlement [in]	-0.000191406	0.512717
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.0151348	1.44298
Effective Stress XX [ksf]	0.114543	1.60599
Effective Stress YY [ksf]	0.213489	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.455861	3.69639
Total Stress YY [ksf]	0.552714	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000180373	0.591095
Pore Water Pressure [ksf]	0.231093	2.0904
Excess Pore Water Pressure [ksf]	0	0.130273
Degree of Consolidation [%]	0	99.3987
Pre-consolidation Stress [ksf]	0.0508115	3.94789
Over-consolidation Ratio	1	4.01889
Void Ratio	0	6.49119
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.01285
Total Consolidation Settlement [in]	0	2.99639
Virgin Consolidation Settlement [in]	0	2.38091
Recompression Consolidation Settlement [in]	0	0.615478
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.0221357	1.44298
Effective Stress XX [ksf]	0.121786	1.60599
Effective Stress YY [ksf]	0.220731	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.458836	3.69639
Total Stress YY [ksf]	0.555689	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000242236	0.607847
Pore Water Pressure [ksf]	0.234068	2.0904
Excess Pore Water Pressure [ksf]	0	0.12923
Degree of Consolidation [%]	0	99.5606
Pre-consolidation Stress [ksf]	0.0588962	3.94789
Over-consolidation Ratio	1	4.0247
Void Ratio	0	6.48949
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.43838
Total Consolidation Settlement [in]	0	3.42191
Virgin Consolidation Settlement [in]	0	2.75068
Recompression Consolidation Settlement [in]	0	0.671236
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.0234655	1.44298
Effective Stress XX [ksf]	0.12815	1.60599
Effective Stress YY [ksf]	0.227815	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.46105	3.69639
Total Stress YY [ksf]	0.557903	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000273408	0.611937
Pore Water Pressure [ksf]	0.236282	2.0904
Excess Pore Water Pressure [ksf]	0	0.128477
Degree of Consolidation [%]	0	99.6366
Pre-consolidation Stress [ksf]	0.0649728	3.94789
Over-consolidation Ratio	1	4.02789
Void Ratio	0	6.48353
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.73407
Total Consolidation Settlement [in]	0	3.7176
Virgin Consolidation Settlement [in]	0	2.99151
Recompression Consolidation Settlement [in]	0	0.726093
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.0255166	1.44298
Effective Stress XX [ksf]	0.130241	1.60599
Effective Stress YY [ksf]	0.229906	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.462588	3.69639
Total Stress YY [ksf]	0.559442	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000277187	0.613282
Pore Water Pressure [ksf]	0.23782	2.0904
Excess Pore Water Pressure [ksf]	0	0.127837
Degree of Consolidation [%]	0	99.6808
Pre-consolidation Stress [ksf]	0.0699717	3.94789
Over-consolidation Ratio	1	4.02828
Void Ratio	0	6.4731
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.95331
Total Consolidation Settlement [in]	0	3.93684
Virgin Consolidation Settlement [in]	0	3.15881
Recompression Consolidation Settlement [in]	0	0.778029
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.027175	1.44298
Effective Stress XX [ksf]	0.132958	1.60599
Effective Stress YY [ksf]	0.232623	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.463729	3.69639
Total Stress YY [ksf]	0.560582	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000266024	0.613723
Pore Water Pressure [ksf]	0.238961	2.0904
Excess Pore Water Pressure [ksf]	0	0.12728
Degree of Consolidation [%]	0	99.7103
Pre-consolidation Stress [ksf]	0.074052	3.94789
Over-consolidation Ratio	1	4.02714
Void Ratio	0	6.45892
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.12493
Total Consolidation Settlement [in]	0	4.10847
Virgin Consolidation Settlement [in]	0	3.28163
Recompression Consolidation Settlement [in]	0	0.826839
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.0289869	1.44298
Effective Stress XX [ksf]	0.135389	1.60599
Effective Stress YY [ksf]	0.235218	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.464621	3.69639
Total Stress YY [ksf]	0.561475	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000260562	0.613758
Pore Water Pressure [ksf]	0.239853	2.0904
Excess Pore Water Pressure [ksf]	0	0.126858
Degree of Consolidation [%]	0	99.7318
Pre-consolidation Stress [ksf]	0.0774321	3.94789
Over-consolidation Ratio	1	4.02658
Void Ratio	0	6.44213
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.26536
Total Consolidation Settlement [in]	0	4.24889
Virgin Consolidation Settlement [in]	0	3.37612
Recompression Consolidation Settlement [in]	0	0.872776
Immediate Settlement [in]	0	0.0164643
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.132149	0.34451
Loading Stress XX [ksf]	0.226935	0.414433
Loading Stress YY [ksf]	0.473172	0.595132
Effective Stress ZZ [ksf]	0.0301871	1.44298
Effective Stress XX [ksf]	0.137607	1.60599
Effective Stress YY [ksf]	0.237436	1.65769
Total Stress ZZ [ksf]	0.353907	3.53338
Total Stress XX [ksf]	0.465348	3.69639
Total Stress YY [ksf]	0.562201	3.74809
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000268602	0.613728
Pore Water Pressure [ksf]	0.24058	2.0904
Excess Pore Water Pressure [ksf]	0	0.126491
Degree of Consolidation [%]	0	99.7484
Pre-consolidation Stress [ksf]	0.0802773	3.94789
Over-consolidation Ratio	1	4.0274
Void Ratio	0	6.42382
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.49365
Total Consolidation Settlement [in]	0	4.46747
Virgin Consolidation Settlement [in]	0	3.51214
Recompression Consolidation Settlement [in]	0	0.95533
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.0333043	1.44298
Effective Stress XX [ksf]	0.184419	1.61286
Effective Stress YY [ksf]	0.259945	1.66078
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.565855	3.7345
Total Stress YY [ksf]	0.634082	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4671.74
Total Strain	-0.000325405	0.613605
Pore Water Pressure [ksf]	0.291774	2.12164
Excess Pore Water Pressure [ksf]	0.031245	0.17547
Degree of Consolidation [%]	0	64.2724
Pre-consolidation Stress [ksf]	0.0816	3.94789
Over-consolidation Ratio	1	4.03322
Void Ratio	0	6.38637
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0125958

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.43827
Total Consolidation Settlement [in]	0	5.41208
Virgin Consolidation Settlement [in]	0	4.31439
Recompression Consolidation Settlement [in]	0	1.09769
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.0415459	1.47422
Effective Stress XX [ksf]	0.19371	1.6441
Effective Stress YY [ksf]	0.269742	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.570769	3.7345
Total Stress YY [ksf]	0.638996	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3009.71
Total Strain	-0.000386547	0.672659
Pore Water Pressure [ksf]	0.246688	2.0904
Excess Pore Water Pressure [ksf]	0	0.173795
Degree of Consolidation [%]	0	99.765
Pre-consolidation Stress [ksf]	0.08753	3.94789
Over-consolidation Ratio	1	4.03949
Void Ratio	0	6.29922
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.16749
Total Consolidation Settlement [in]	0	6.14131
Virgin Consolidation Settlement [in]	0	4.85568
Recompression Consolidation Settlement [in]	0	1.28562
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.054235	1.47422
Effective Stress XX [ksf]	0.207514	1.6441
Effective Stress YY [ksf]	0.284017	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.574557	3.7345
Total Stress YY [ksf]	0.642785	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3008.09
Total Strain	-0.00044967	0.672281
Pore Water Pressure [ksf]	0.250476	2.0904
Excess Pore Water Pressure [ksf]	0	0.171462
Degree of Consolidation [%]	0	99.8186
Pre-consolidation Stress [ksf]	0.09792	3.94789
Over-consolidation Ratio	1	4.04598
Void Ratio	0	6.19525
Permeability [ft/d]	0	0.0657859
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.84746
Total Consolidation Settlement [in]	0	6.82127
Virgin Consolidation Settlement [in]	0	5.24991
Recompression Consolidation Settlement [in]	0	1.57137
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.0713236	1.47422
Effective Stress XX [ksf]	0.227063	1.6441
Effective Stress YY [ksf]	0.304788	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.578094	3.7345
Total Stress YY [ksf]	0.646322	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3007.04
Total Strain	-0.000609764	0.671255
Pore Water Pressure [ksf]	0.254013	2.0904
Excess Pore Water Pressure [ksf]	0	0.168797
Degree of Consolidation [%]	0	99.8536
Pre-consolidation Stress [ksf]	0.114989	3.94789
Over-consolidation Ratio	1	4.06247
Void Ratio	0	5.91553
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.46945
Total Consolidation Settlement [in]	0	7.44327
Virgin Consolidation Settlement [in]	0	5.56649
Recompression Consolidation Settlement [in]	0	1.87678
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.0906158	1.47422
Effective Stress XX [ksf]	0.249087	1.6441
Effective Stress YY [ksf]	0.328031	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.58133	3.7345
Total Stress YY [ksf]	0.649558	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3006.22
Total Strain	-0.000640617	0.670591
Pore Water Pressure [ksf]	0.257249	2.0904
Excess Pore Water Pressure [ksf]	0	0.165424
Degree of Consolidation [%]	0	99.8807
Pre-consolidation Stress [ksf]	0.133121	3.94789
Over-consolidation Ratio	1	4.06566
Void Ratio	0	5.70211
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.94865
Total Consolidation Settlement [in]	0	7.92246
Virgin Consolidation Settlement [in]	0	5.82404
Recompression Consolidation Settlement [in]	0	2.09843
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.10657	1.47422
Effective Stress XX [ksf]	0.265923	1.6441
Effective Stress YY [ksf]	0.345105	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.583818	3.7345
Total Stress YY [ksf]	0.652045	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3005.71
Total Strain	-0.000217506	0.670145
Pore Water Pressure [ksf]	0.259737	2.0904
Excess Pore Water Pressure [ksf]	0	0.162817
Degree of Consolidation [%]	0	99.8979
Pre-consolidation Stress [ksf]	0.145231	3.94789
Over-consolidation Ratio	1	4.00817
Void Ratio	0	5.58715
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.62261
Total Consolidation Settlement [in]	0	8.59643
Virgin Consolidation Settlement [in]	0	6.17634
Recompression Consolidation Settlement [in]	0	2.4201
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.135908	1.47422
Effective Stress XX [ksf]	0.296136	1.6441
Effective Stress YY [ksf]	0.375318	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.587325	3.7345
Total Stress YY [ksf]	0.655553	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3005.08
Total Strain	-9.24551e-005	0.669506
Pore Water Pressure [ksf]	0.263244	2.0904
Excess Pore Water Pressure [ksf]	0	0.155965
Degree of Consolidation [%]	0	99.9186
Pre-consolidation Stress [ksf]	0.156549	3.94789
Over-consolidation Ratio	1	3.71196
Void Ratio	0	5.44446
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.06084
Total Consolidation Settlement [in]	0	9.03466
Virgin Consolidation Settlement [in]	0	6.37149
Recompression Consolidation Settlement [in]	0	2.66317
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.138383	1.47422
Effective Stress XX [ksf]	0.31899	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.589605	3.7345
Total Stress YY [ksf]	0.657833	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3004.73
Total Strain	0.00010815	0.669076
Pore Water Pressure [ksf]	0.265524	2.0904
Excess Pore Water Pressure [ksf]	0	0.149879
Degree of Consolidation [%]	0	99.9303
Pre-consolidation Stress [ksf]	0.158293	3.94789
Over-consolidation Ratio	1	3.64717
Void Ratio	0	5.36557
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152617

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.64739
Total Consolidation Settlement [in]	0	9.6212
Virgin Consolidation Settlement [in]	0	6.59848
Recompression Consolidation Settlement [in]	0	3.02273
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.135328	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.592659	3.7345
Total Stress YY [ksf]	0.660887	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3004.37
Total Strain	0.000284675	0.66844
Pore Water Pressure [ksf]	0.268579	2.0904
Excess Pore Water Pressure [ksf]	0	0.134267
Degree of Consolidation [%]	0	99.9423
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63421
Void Ratio	0	5.31742
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0159526

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.98628
Total Consolidation Settlement [in]	0	9.9601
Virgin Consolidation Settlement [in]	0	6.71589
Recompression Consolidation Settlement [in]	0	3.24421
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.133564	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.594424	3.7345
Total Stress YY [ksf]	0.662652	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3004.17
Total Strain	0.000284675	0.668058
Pore Water Pressure [ksf]	0.270343	2.0904
Excess Pore Water Pressure [ksf]	0	0.115778
Degree of Consolidation [%]	0	99.9489
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63321
Void Ratio	0	5.28857
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0161584

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.1931
Total Consolidation Settlement [in]	0	10.1669
Virgin Consolidation Settlement [in]	0	6.77087
Recompression Consolidation Settlement [in]	0	3.39603
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.132487	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.595501	3.7345
Total Stress YY [ksf]	0.663729	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3004
Total Strain	0.000284675	0.667819
Pore Water Pressure [ksf]	0.27142	2.0904
Excess Pore Water Pressure [ksf]	0	0.0972882
Degree of Consolidation [%]	0	99.9546
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63317
Void Ratio	0	5.27496
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0162661

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.337
Total Consolidation Settlement [in]	0	10.3109
Virgin Consolidation Settlement [in]	0	6.79878
Recompression Consolidation Settlement [in]	0	3.51209
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.131738	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.59625	3.7345
Total Stress YY [ksf]	0.664478	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3003.81
Total Strain	0.000284675	0.667649
Pore Water Pressure [ksf]	0.272169	2.0904
Excess Pore Water Pressure [ksf]	0	0.0786009
Degree of Consolidation [%]	0	99.961
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63312
Void Ratio	0	5.26827
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0163296

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.6211
Total Consolidation Settlement [in]	0	10.5949
Virgin Consolidation Settlement [in]	0	6.82278
Recompression Consolidation Settlement [in]	0	3.77209
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.130279	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.597709	3.7345
Total Stress YY [ksf]	0.665937	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3002.97
Total Strain	0.000284675	0.667304
Pore Water Pressure [ksf]	0.273628	2.0904
Excess Pore Water Pressure [ksf]	0	0.0196897
Degree of Consolidation [%]	0	99.9888
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.6329
Void Ratio	0	5.26384
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0164162

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.675
Total Consolidation Settlement [in]	0	10.6489
Virgin Consolidation Settlement [in]	0	6.82358
Recompression Consolidation Settlement [in]	0	3.82528
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.129989	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.597999	3.7345
Total Stress YY [ksf]	0.666227	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3002.72
Total Strain	0.000284675	0.667234
Pore Water Pressure [ksf]	0.273919	2.0904
Excess Pore Water Pressure [ksf]	0	0.00453248
Degree of Consolidation [%]	0	99.9974
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63283
Void Ratio	0	5.26394
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0164267

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.6897
Total Consolidation Settlement [in]	0	10.6635
Virgin Consolidation Settlement [in]	0	6.8237
Recompression Consolidation Settlement [in]	0	3.83982
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.129903	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.598085	3.7345
Total Stress YY [ksf]	0.666313	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3002.64
Total Strain	0.000284675	0.667213
Pore Water Pressure [ksf]	0.274004	2.0904
Excess Pore Water Pressure [ksf]	0	0.000235006
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63281
Void Ratio	0	5.26398
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0164294

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.6905
Total Consolidation Settlement [in]	0	10.6643
Virgin Consolidation Settlement [in]	0	6.82371
Recompression Consolidation Settlement [in]	0	3.84061
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.129898	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.59809	3.7345
Total Stress YY [ksf]	0.666317	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3002.64
Total Strain	0.000284675	0.667212
Pore Water Pressure [ksf]	0.274009	2.0904
Excess Pore Water Pressure [ksf]	0	1.41285e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63281
Void Ratio	0	5.26399
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0164295

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.6905
Total Consolidation Settlement [in]	0	10.6643
Virgin Consolidation Settlement [in]	0	6.82371
Recompression Consolidation Settlement [in]	0	3.84061
Immediate Settlement [in]	0	0.0261837
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.606241
Effective Stress ZZ [ksf]	0.129898	1.47422
Effective Stress XX [ksf]	0.324081	1.6441
Effective Stress YY [ksf]	0.392309	1.69202
Total Stress ZZ [ksf]	0.403907	3.56462
Total Stress XX [ksf]	0.59809	3.7345
Total Stress YY [ksf]	0.666317	3.78242
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	7842.18
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3002.64
Total Strain	0.000284675	0.667212
Pore Water Pressure [ksf]	0.274009	2.0904
Excess Pore Water Pressure [ksf]	0	4.28487e-014
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.158825	3.94789
Over-consolidation Ratio	1	3.63281
Void Ratio	0	5.26399
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0164295

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 36000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
17.5	1000
17.5	0
33.685	0
37.315	0
53.5	0
53.5	1000
40.0022	1000
33.685	1000

Embankments

1. Embankment: "Embankment Load to +2.5"

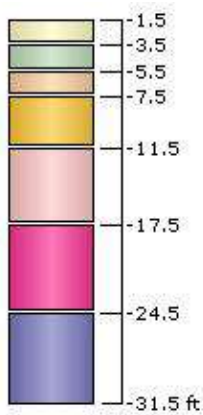
Label Embankment Load to +2.5'
 Center Line (35.5, 0) to (35.5, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.09	14	0
2	Stage 1 = 1 d	0	14	0.44	0.09	14	0
3	Stage 1 = 1 d	0	14	0.44	0.09	14	0
4	Stage 1 = 1 d	0	14	0.44	0.09	14	0
5	Stage 1 = 1 d	0	14	0.44	0.09	14	0
6	Stage 1 = 1 d	0	14	0.44	0.09	14	0
7	Stage 1 = 1 d	0	14	0.44	0.09	14	0
8	Stage 1 = 1 d	0	14	0.44	0.09	14	0
9	Stage 1 = 1 d	0	14	0.48	0.09	14	0





Soil Layers




Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black Organic Clay (OH)	2	1.5	No
2	Very Soft Black Organic Clay (OH) 2	2	3.5	No
3	Very Soft to Soft Gray Clay	2	5.5	No
4	Very Soft to Soft Gray Clay 2	4	7.5	No
5	Soft Gray Clay	6	11.5	No
6	Stiff Tan and Gray Fat Clay (CH)	7	17.5	Yes
7	Gray Clayey Sand (SC)	7	24.5	No



Soil Properties

Property	Very Soft Black Organic Clay (OH)	Very Soft Black Organic Clay (OH) 2	Very Soft to Soft Gray Clay	Very Soft to Soft Gray Clay 2
Color				
Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.1
Saturated Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.1
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.2	2.92	2.92	0.65
Cr	0.58	0.53	0.53	0.12
e0	6.49	4.85	4.85	2.06
OCR	4	4	4	2.9
Cv [ft ² /d]	0.03	0.03	0.03	0.04
Cvr [ft ² /d]	0.03	0.03	0.03	0.04
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Soft Gray Clay	Stiff Tan and Gray Fat Clay (CH)	Gray Clayey Sand (SC)
Color			
Unit Weight [kips/ft ³]	0.115	0.115	0.12
Saturated Unit Weight [kips/ft ³]	0.115	0.115	0.12
K0	1	1	1
Immediate Settlement	Disabled	Disabled	Enabled
Es [ksf]	-	-	292.396
E _{sur} [ksf]	-	-	292.396
Primary Consolidation	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	
Cc	0.27	0.21	-
Cr	0.04	0.04	-
e0	1.32	0.92	-
OCR	1.6	4	-
Cv [ft ² /d]	0.13	0.5	-
Cvr [ft ² /d]	0.13	0.5	-
B-bar	1	1	-
Undrained Su A [kips/ft ²]	0	0	0
Undrained Su S	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8
Piezo Line ID	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 75

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-10 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

III-4A
 B-10/C-10 (Cell 2)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00422008
Total Consolidation Settlement [in]	-0.00237851	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00237851	0
Immediate Settlement [in]	0	0.00422008
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0452212	0.0603
Loading Stress XX [ksf]	0.0252485	0.0631588
Loading Stress YY [ksf]	0.0591715	0.103776
Effective Stress ZZ [ksf]	-9.57569e-006	1.391
Effective Stress XX [ksf]	0.00774287	1.41037
Effective Stress YY [ksf]	0.0181459	1.42278
Total Stress ZZ [ksf]	0.236892	3.49527
Total Stress XX [ksf]	0.244644	3.51464
Total Stress YY [ksf]	0.255048	3.52704
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000281388	5.30699e-005
Pore Water Pressure [ksf]	0.236902	2.10427
Excess Pore Water Pressure [ksf]	0.0138678	0.018492
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00544	3.94789
Over-consolidation Ratio	1	4.03361
Void Ratio	0	6.49211
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.715736
Total Consolidation Settlement [in]	-0.000375559	0.707563
Virgin Consolidation Settlement [in]	0	0.457622
Recompression Consolidation Settlement [in]	-0.000375559	0.249941
Immediate Settlement [in]	0	0.0081736
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0872353	0.120599
Loading Stress XX [ksf]	0.0520093	0.127883
Loading Stress YY [ksf]	0.121037	0.207486
Effective Stress ZZ [ksf]	0.00941993	1.40487
Effective Stress XX [ksf]	0.0262235	1.44409
Effective Stress YY [ksf]	0.0477155	1.46821
Total Stress ZZ [ksf]	0.255384	3.50815
Total Stress XX [ksf]	0.275053	3.54737
Total Stress YY [ksf]	0.296222	3.57149
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.41062e-005	0.237272
Pore Water Pressure [ksf]	0.240612	2.10328
Excess Pore Water Pressure [ksf]	0.0128843	0.0369689
Degree of Consolidation [%]	0	51.4036
Pre-consolidation Stress [ksf]	0.015202	3.94789
Over-consolidation Ratio	1	4.00635
Void Ratio	0	6.4904
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00674983

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.32942
Total Consolidation Settlement [in]	0	1.31761
Virgin Consolidation Settlement [in]	0	0.929021
Recompression Consolidation Settlement [in]	0	0.388588
Immediate Settlement [in]	0	0.0118071
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.125519	0.18089
Loading Stress XX [ksf]	0.0807293	0.19406
Loading Stress YY [ksf]	0.186301	0.310837
Effective Stress ZZ [ksf]	0.0146941	1.41775
Effective Stress XX [ksf]	0.0418044	1.47726
Effective Stress YY [ksf]	0.0754621	1.51222
Total Stress ZZ [ksf]	0.273873	3.51989
Total Stress XX [ksf]	0.305548	3.5794
Total Stress YY [ksf]	0.337923	3.61436
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.38887e-005	0.356557
Pore Water Pressure [ksf]	0.243807	2.10214
Excess Pore Water Pressure [ksf]	0.0117404	0.0554144
Degree of Consolidation [%]	0	68.9906
Pre-consolidation Stress [ksf]	0.0268226	3.94789
Over-consolidation Ratio	1	4.00908
Void Ratio	0	6.49042
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0102355

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.82904
Total Consolidation Settlement [in]	0	1.81398
Virgin Consolidation Settlement [in]	0	1.31912
Recompression Consolidation Settlement [in]	0	0.494862
Immediate Settlement [in]	0	0.0150634
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.159542	0.241142
Loading Stress XX [ksf]	0.112054	0.261547
Loading Stress YY [ksf]	0.255943	0.41339
Effective Stress ZZ [ksf]	0.0168673	1.42949
Effective Stress XX [ksf]	0.0546457	1.5097
Effective Stress YY [ksf]	0.100567	1.5544
Total Stress ZZ [ksf]	0.29235	3.53033
Total Stress XX [ksf]	0.336234	3.61053
Total Stress YY [ksf]	0.38036	3.65524
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000106917	0.434809
Pore Water Pressure [ksf]	0.246398	2.10083
Excess Pore Water Pressure [ksf]	0.0104336	0.0737807
Degree of Consolidation [%]	0	78.1388
Pre-consolidation Stress [ksf]	0.0385178	3.94789
Over-consolidation Ratio	1	4.01088
Void Ratio	0	6.48963
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.013317

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.22255
Total Consolidation Settlement [in]	0	2.20466
Virgin Consolidation Settlement [in]	0	1.60997
Recompression Consolidation Settlement [in]	0	0.594696
Immediate Settlement [in]	0	0.0178854
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.188796	0.301257
Loading Stress XX [ksf]	0.146928	0.330173
Loading Stress YY [ksf]	0.331365	0.51446
Effective Stress ZZ [ksf]	0.0201982	1.43993
Effective Stress XX [ksf]	0.069901	1.54118
Effective Stress YY [ksf]	0.12879	1.59436
Total Stress ZZ [ksf]	0.310786	3.5393
Total Stress XX [ksf]	0.367413	3.64055
Total Stress YY [ksf]	0.423974	3.69373
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000113835	0.492983
Pore Water Pressure [ksf]	0.248405	2.09937
Excess Pore Water Pressure [ksf]	0.0089714	0.0919413
Degree of Consolidation [%]	0	83.9698
Pre-consolidation Stress [ksf]	0.0463955	3.94789
Over-consolidation Ratio	1	4.01159
Void Ratio	0	6.48742
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0159691

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.63733
Total Consolidation Settlement [in]	0	2.61474
Virgin Consolidation Settlement [in]	0	1.965
Recompression Consolidation Settlement [in]	0	0.649741
Immediate Settlement [in]	0	0.0225872
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.212837	0.360909
Loading Stress XX [ksf]	0.186727	0.399707
Loading Stress YY [ksf]	0.414536	0.613365
Effective Stress ZZ [ksf]	0.0232894	1.4489
Effective Stress XX [ksf]	0.102912	1.5931
Effective Stress YY [ksf]	0.189539	1.66051
Total Stress ZZ [ksf]	0.347628	3.55415
Total Stress XX [ksf]	0.431002	3.69834
Total Stress YY [ksf]	0.51435	3.76576
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000127953	0.536299
Pore Water Pressure [ksf]	0.268978	2.10525
Excess Pore Water Pressure [ksf]	0.0148479	0.127658
Degree of Consolidation [%]	0	79.0746
Pre-consolidation Stress [ksf]	0.0549037	3.94789
Over-consolidation Ratio	1	4.01303
Void Ratio	0	6.48316
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0175268

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.22807
Total Consolidation Settlement [in]	0	3.1996
Virgin Consolidation Settlement [in]	0	2.50576
Recompression Consolidation Settlement [in]	0	0.693842
Immediate Settlement [in]	0	0.028468
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.231313	0.418992
Loading Stress XX [ksf]	0.233312	0.469756
Loading Stress YY [ksf]	0.507828	0.708915
Effective Stress ZZ [ksf]	0.0246459	1.46375
Effective Stress XX [ksf]	0.157658	1.67799
Effective Stress YY [ksf]	0.293358	1.7639
Total Stress ZZ [ksf]	0.405711	3.57262
Total Stress XX [ksf]	0.538749	3.78687
Total Stress YY [ksf]	0.668805	3.87277
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00015214	0.597116
Pore Water Pressure [ksf]	0.293298	2.10888
Excess Pore Water Pressure [ksf]	0.0184759	0.181998
Degree of Consolidation [%]	0	79.3997
Pre-consolidation Stress [ksf]	0.0618996	3.94789
Over-consolidation Ratio	1	4.0155
Void Ratio	0	6.47607
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0187924

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.93791
Total Consolidation Settlement [in]	0	3.9054
Virgin Consolidation Settlement [in]	0	3.1617
Recompression Consolidation Settlement [in]	0	0.743699
Immediate Settlement [in]	0	0.0325192
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.244	0.471666
Loading Stress XX [ksf]	0.288605	0.539692
Loading Stress YY [ksf]	0.611812	0.800266
Effective Stress ZZ [ksf]	0.0265209	1.48222
Effective Stress XX [ksf]	0.219571	1.76641
Effective Stress YY [ksf]	0.401122	1.86734
Total Stress ZZ [ksf]	0.458385	3.58531
Total Stress XX [ksf]	0.65041	3.86949
Total Stress YY [ksf]	0.829156	3.97043
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000189501	0.666322
Pore Water Pressure [ksf]	0.291582	2.10309
Excess Pore Water Pressure [ksf]	0.0126871	0.227698
Degree of Consolidation [%]	0	87.5506
Pre-consolidation Stress [ksf]	0.0698079	3.94789
Over-consolidation Ratio	1	4.01931
Void Ratio	0	6.46601
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0203639

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.00479
Total Consolidation Settlement [in]	0	4.95843
Virgin Consolidation Settlement [in]	0	4.1
Recompression Consolidation Settlement [in]	0	0.858423
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.0294168	1.49491
Effective Stress XX [ksf]	0.339489	1.86205
Effective Stress YY [ksf]	0.526123	1.96713
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.858522	3.99775
Total Stress YY [ksf]	1.04555	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2879.37
Total Strain	-0.000314499	0.7209
Pore Water Pressure [ksf]	0.330674	2.1357
Excess Pore Water Pressure [ksf]	0.0452993	0.304978
Degree of Consolidation [%]	0	72.0677
Pre-consolidation Stress [ksf]	0.0816	3.94789
Over-consolidation Ratio	1	4.0321
Void Ratio	0	6.43628
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0214375

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.58569
Total Consolidation Settlement [in]	0	6.53932
Virgin Consolidation Settlement [in]	0	5.48151
Recompression Consolidation Settlement [in]	0	1.05782
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.0373983	1.54021
Effective Stress XX [ksf]	0.349786	1.90735
Effective Stress YY [ksf]	0.536156	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.866739	3.99775
Total Stress YY [ksf]	1.05376	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2080.03
Total Strain	-0.000542425	0.783562
Pore Water Pressure [ksf]	0.252685	2.0904
Excess Pore Water Pressure [ksf]	0	0.301704
Degree of Consolidation [%]	0	99.7627
Pre-consolidation Stress [ksf]	0.0916155	3.94789
Over-consolidation Ratio	1	4.05553
Void Ratio	0	6.32505
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.8002
Total Consolidation Settlement [in]	0	7.75384
Virgin Consolidation Settlement [in]	0	6.44559
Recompression Consolidation Settlement [in]	0	1.30825
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.0525103	1.54021
Effective Stress XX [ksf]	0.368291	1.90735
Effective Stress YY [ksf]	0.554035	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.87305	3.99775
Total Stress YY [ksf]	1.06007	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2078.83
Total Strain	-0.000762826	0.783599
Pore Water Pressure [ksf]	0.258996	2.0904
Excess Pore Water Pressure [ksf]	0	0.296128
Degree of Consolidation [%]	0	99.8203
Pre-consolidation Stress [ksf]	0.104467	3.94789
Over-consolidation Ratio	1	4.07831
Void Ratio	0	6.07111
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.05708
Total Consolidation Settlement [in]	0	9.01071
Virgin Consolidation Settlement [in]	0	7.32457
Recompression Consolidation Settlement [in]	0	1.68614
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.0736187	1.54021
Effective Stress XX [ksf]	0.397659	1.90735
Effective Stress YY [ksf]	0.58198	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.879587	3.99775
Total Stress YY [ksf]	1.06661	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2078.06
Total Strain	-0.00106106	0.78229
Pore Water Pressure [ksf]	0.265533	2.0904
Excess Pore Water Pressure [ksf]	0	0.288907
Degree of Consolidation [%]	0	99.8572
Pre-consolidation Stress [ksf]	0.136772	3.94789
Over-consolidation Ratio	1	4.10934
Void Ratio	0	5.5635
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.0902
Total Consolidation Settlement [in]	0	10.0438
Virgin Consolidation Settlement [in]	0	7.98595
Recompression Consolidation Settlement [in]	0	2.05787
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.0952444	1.54021
Effective Stress XX [ksf]	0.423388	1.90735
Effective Stress YY [ksf]	0.60558	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.88495	3.99775
Total Stress YY [ksf]	1.07197	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2077.48
Total Strain	-0.00135286	0.782041
Pore Water Pressure [ksf]	0.270897	2.0904
Excess Pore Water Pressure [ksf]	0	0.281726
Degree of Consolidation [%]	0	99.885
Pre-consolidation Stress [ksf]	0.178619	3.94789
Over-consolidation Ratio	1	4.13993
Void Ratio	0	5.21466
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.819
Total Consolidation Settlement [in]	0	10.7726
Virgin Consolidation Settlement [in]	0	8.42367
Recompression Consolidation Settlement [in]	0	2.34892
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.117515	1.54021
Effective Stress XX [ksf]	0.448091	1.90735
Effective Stress YY [ksf]	0.629526	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.888734	3.99775
Total Stress YY [ksf]	1.07576	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2077.13
Total Strain	-0.000690273	0.78165
Pore Water Pressure [ksf]	0.27468	2.0904
Excess Pore Water Pressure [ksf]	0	0.276591
Degree of Consolidation [%]	0	99.9021
Pre-consolidation Stress [ksf]	0.194986	3.94789
Over-consolidation Ratio	1	4.07085
Void Ratio	0	5.03994
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.9803
Total Consolidation Settlement [in]	0	11.9339
Virgin Consolidation Settlement [in]	0	9.16125
Recompression Consolidation Settlement [in]	0	2.77268
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.156495	1.54021
Effective Stress XX [ksf]	0.491282	1.90735
Effective Stress YY [ksf]	0.670663	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.894775	3.99775
Total Stress YY [ksf]	1.0818	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2076.7
Total Strain	-0.000272445	0.781057
Pore Water Pressure [ksf]	0.280722	2.0904
Excess Pore Water Pressure [ksf]	0	0.263818
Degree of Consolidation [%]	0	99.9228
Pre-consolidation Stress [ksf]	0.234828	3.94789
Over-consolidation Ratio	1	3.60542
Void Ratio	0	4.87977
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.7584
Total Consolidation Settlement [in]	0	12.7121
Virgin Consolidation Settlement [in]	0	9.60782
Recompression Consolidation Settlement [in]	0	3.10426
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.18977	1.54021
Effective Stress XX [ksf]	0.527833	1.90735
Effective Stress YY [ksf]	0.705385	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.898824	3.99775
Total Stress YY [ksf]	1.08585	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2076.46
Total Strain	0.000122026	0.780648
Pore Water Pressure [ksf]	0.28477	2.0904
Excess Pore Water Pressure [ksf]	0	0.253619
Degree of Consolidation [%]	0	99.9343
Pre-consolidation Stress [ksf]	0.253602	3.94789
Over-consolidation Ratio	1	3.42565
Void Ratio	0	4.78795
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.8193
Total Consolidation Settlement [in]	0	13.773
Virgin Consolidation Settlement [in]	0	10.2179
Recompression Consolidation Settlement [in]	0	3.55507
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.253046	1.54021
Effective Stress XX [ksf]	0.595078	1.90735
Effective Stress YY [ksf]	0.770074	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.904343	3.99775
Total Stress YY [ksf]	1.09137	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2076.22
Total Strain	0.00051037	0.780045
Pore Water Pressure [ksf]	0.290289	2.0904
Excess Pore Water Pressure [ksf]	0	0.22659
Degree of Consolidation [%]	0	99.9459
Pre-consolidation Stress [ksf]	0.273411	3.94789
Over-consolidation Ratio	1	3.40218
Void Ratio	0	4.72055
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.4482
Total Consolidation Settlement [in]	0	14.4019
Virgin Consolidation Settlement [in]	0	10.561
Recompression Consolidation Settlement [in]	0	3.8409
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.251029	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.907615	3.99775
Total Stress YY [ksf]	1.09464	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2076.09
Total Strain	0.00051037	0.779672
Pore Water Pressure [ksf]	0.293562	2.0904
Excess Pore Water Pressure [ksf]	0	0.194548
Degree of Consolidation [%]	0	99.9521
Pre-consolidation Stress [ksf]	0.276755	3.94789
Over-consolidation Ratio	1	3.39983
Void Ratio	0	4.6791
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.847
Total Consolidation Settlement [in]	0	14.8006
Virgin Consolidation Settlement [in]	0	10.7663
Recompression Consolidation Settlement [in]	0	4.03434
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.248954	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.90969	3.99775
Total Stress YY [ksf]	1.09671	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.98
Total Strain	0.00051037	0.779428
Pore Water Pressure [ksf]	0.295636	2.0904
Excess Pore Water Pressure [ksf]	0	0.161864
Degree of Consolidation [%]	0	99.9576
Pre-consolidation Stress [ksf]	0.278136	3.94789
Over-consolidation Ratio	1	3.39976
Void Ratio	0	4.65495
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.1324
Total Consolidation Settlement [in]	0	15.0861
Virgin Consolidation Settlement [in]	0	10.9087
Recompression Consolidation Settlement [in]	0	4.17733
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.247469	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.911175	3.99775
Total Stress YY [ksf]	1.0982	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.85
Total Strain	0.00051037	0.779249
Pore Water Pressure [ksf]	0.297122	2.0904
Excess Pore Water Pressure [ksf]	0	0.129043
Degree of Consolidation [%]	0	99.9638
Pre-consolidation Stress [ksf]	0.278213	3.94789
Over-consolidation Ratio	1	3.39968
Void Ratio	0	4.63946
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0248621

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.6574
Total Consolidation Settlement [in]	0	15.611
Virgin Consolidation Settlement [in]	0	11.129
Recompression Consolidation Settlement [in]	0	4.48201
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.244768	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.913876	3.99775
Total Stress YY [ksf]	1.1009	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.3
Total Strain	0.00051037	0.778916
Pore Water Pressure [ksf]	0.299823	2.0904
Excess Pore Water Pressure [ksf]	0	0.0349538
Degree of Consolidation [%]	0	99.9899
Pre-consolidation Stress [ksf]	0.278227	3.94789
Over-consolidation Ratio	1	3.39936
Void Ratio	0	4.61406
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0256279

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.7439
Total Consolidation Settlement [in]	0	15.6975
Virgin Consolidation Settlement [in]	0	11.1633
Recompression Consolidation Settlement [in]	0	4.53421
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.244322	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.914322	3.99775
Total Stress YY [ksf]	1.10135	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.16
Total Strain	0.00051037	0.778859
Pore Water Pressure [ksf]	0.300268	2.0904
Excess Pore Water Pressure [ksf]	0	0.011457
Degree of Consolidation [%]	0	99.9968
Pre-consolidation Stress [ksf]	0.278227	3.94789
Over-consolidation Ratio	1	3.39927
Void Ratio	0	4.61085
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0256837

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.7761
Total Consolidation Settlement [in]	0	15.7297
Virgin Consolidation Settlement [in]	0	11.1793
Recompression Consolidation Settlement [in]	0	4.55039
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.244131	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.914514	3.99775
Total Stress YY [ksf]	1.10154	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.11
Total Strain	0.00051037	0.778833
Pore Water Pressure [ksf]	0.30046	2.0904
Excess Pore Water Pressure [ksf]	0	0.00240284
Degree of Consolidation [%]	0	99.9993
Pre-consolidation Stress [ksf]	0.278227	3.94789
Over-consolidation Ratio	1	3.39924
Void Ratio	0	4.60999
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0256955

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.7848
Total Consolidation Settlement [in]	0	15.7385
Virgin Consolidation Settlement [in]	0	11.1844
Recompression Consolidation Settlement [in]	0	4.55404
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.244081	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.914563	3.99775
Total Stress YY [ksf]	1.10159	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.09
Total Strain	0.00051037	0.778827
Pore Water Pressure [ksf]	0.30051	2.0904
Excess Pore Water Pressure [ksf]	0	5.08095e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.278227	3.94789
Over-consolidation Ratio	1	3.39923
Void Ratio	0	4.60982
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0256974

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.785
Total Consolidation Settlement [in]	0	15.7386
Virgin Consolidation Settlement [in]	0	11.1845
Recompression Consolidation Settlement [in]	0	4.55411
Immediate Settlement [in]	0	0.0463647
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289299	0.557871
Loading Stress XX [ksf]	0.404951	0.622649
Loading Stress YY [ksf]	0.736436	0.897164
Effective Stress ZZ [ksf]	0.24408	1.54021
Effective Stress XX [ksf]	0.614054	1.90735
Effective Stress YY [ksf]	0.801078	2.01243
Total Stress ZZ [ksf]	0.544591	3.63061
Total Stress XX [ksf]	0.914564	3.99775
Total Stress YY [ksf]	1.10159	4.10283
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	5387.16
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2075.09
Total Strain	0.00051037	0.778826
Pore Water Pressure [ksf]	0.300511	2.0904
Excess Pore Water Pressure [ksf]	-8.45839e-006	4.312e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.278227	3.94789
Over-consolidation Ratio	1	3.39923
Void Ratio	0	4.60982
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0256974

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 52000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
9.5	1000
9.5	0
33.685	0
37.315	0
61.5	0
61.5	1000
40.0022	1000
33.685	1000

Embankments

1. Embankment: "Embankment Load to +4.5"

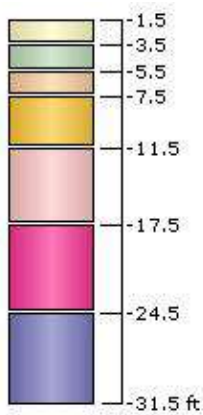
Label Embankment Load to +4.5'
 Center Line (35.5, 0) to (35.5, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.09	14	0
2	Stage 2 = 2 d	0	14	0.67	0.09	14	0
3	Stage 3 = 3 d	0	14	0.67	0.09	14	0
4	Stage 4 = 4 d	0	14	0.67	0.09	14	0
5	Stage 5 = 5 d	0	14	0.67	0.09	14	0
6	Stage 6 = 6 d	0	14	0.67	0.09	14	0
7	Stage 7 = 7 d	0	14	0.67	0.09	14	0
8	Stage 8 = 8 d	0	14	0.67	0.09	14	0
9	Stage 9 = 10 d	0	14	0.67	0.09	14	0





Soil Layers




Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black Organic Clay (OH)	2	1.5	No
2	Very Soft Black Organic Clay (OH) 2	2	3.5	No
3	Very Soft to Soft Gray Clay	2	5.5	No
4	Very Soft to Soft Gray Clay 2	4	7.5	No
5	Soft Gray Clay	6	11.5	No
6	Stiff Tan and Gray Fat Clay (CH)	7	17.5	Yes
7	Gray Clayey Sand (SC)	7	24.5	No



Soil Properties

Property	Very Soft Black Organic Clay (OH)	Very Soft Black Organic Clay (OH) 2	Very Soft to Soft Gray Clay	Very Soft to Soft Gray Clay 2
Color				
Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.1
Saturated Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.1
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.2	2.92	2.92	0.65
Cr	0.58	0.53	0.53	0.12
e0	6.49	4.85	4.85	2.06
OCR	4	4	4	2.9
Cv [ft ² /d]	0.03	0.03	0.03	0.04
Cvr [ft ² /d]	0.03	0.03	0.03	0.04
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Soft Gray Clay	Stiff Tan and Gray Fat Clay (CH)	Gray Clayey Sand (SC)
Color			
Unit Weight [kips/ft ³]	0.115	0.115	0.12
Saturated Unit Weight [kips/ft ³]	0.115	0.115	0.12
K0	1	1	1
Immediate Settlement	Disabled	Disabled	Enabled
Es [ksf]	-	-	292.396
E _{sur} [ksf]	-	-	292.396
Primary Consolidation	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	
Cc	0.27	0.21	-
Cr	0.04	0.04	-
e0	1.32	0.92	-
OCR	1.6	4	-
Cv [ft ² /d]	0.13	0.5	-
Cvr [ft ² /d]	0.13	0.5	-
B-bar	1	1	-
Undrained Su A [kips/ft ²]	0	0	0
Undrained Su S	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8
Piezo Line ID	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 75

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-11 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

III-5A
 B-11/C-13 (Cell 2)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0160376	0.0395986
Loading Stress XX [ksf]	0.0163194	0.0456406
Loading Stress YY [ksf]	0.0391187	0.0683686
Effective Stress ZZ [ksf]	0	2.54
Effective Stress XX [ksf]	0.00500461	2.554
Effective Stress YY [ksf]	0.0119964	2.55865
Total Stress ZZ [ksf]	0.230544	5.88332
Total Stress XX [ksf]	0.235548	5.89731
Total Stress YY [ksf]	0.24254	5.90196
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0.230544	3.34332
Excess Pore Water Pressure [ksf]	0.00491819	0.0121436
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.01408	6.62714
Over-consolidation Ratio	1	4
Void Ratio	1	5.62
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.91143e-006	0.233375
Total Consolidation Settlement [in]	-1.91143e-006	0.233375
Virgin Consolidation Settlement [in]	0	0.000537818
Recompression Consolidation Settlement [in]	-1.91143e-006	0.232838
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0305062	0.0791953
Loading Stress XX [ksf]	0.0336242	0.091536
Loading Stress YY [ksf]	0.0798475	0.136672
Effective Stress ZZ [ksf]	0.00964728	2.53995
Effective Stress XX [ksf]	0.0207501	2.56802
Effective Stress YY [ksf]	0.0352093	2.57688
Total Stress ZZ [ksf]	0.242687	5.88776
Total Stress XX [ksf]	0.254212	5.91583
Total Stress YY [ksf]	0.268387	5.92469
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.93183e-005	0.0387
Pore Water Pressure [ksf]	0.231757	3.34781
Excess Pore Water Pressure [ksf]	0.00597873	0.0242559
Degree of Consolidation [%]	0	12.9154
Pre-consolidation Stress [ksf]	0.01408	6.62714
Over-consolidation Ratio	1	4.00658
Void Ratio	0.99987	5.62039
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft^2/d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00261033

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.22635e-006	0.619163
Total Consolidation Settlement [in]	-5.22635e-006	0.619163
Virgin Consolidation Settlement [in]	0	0.25248
Recompression Consolidation Settlement [in]	-5.22635e-006	0.366682
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0433671	0.118785
Loading Stress XX [ksf]	0.0521384	0.137661
Loading Stress YY [ksf]	0.122621	0.204753
Effective Stress ZZ [ksf]	0.0148775	2.53988
Effective Stress XX [ksf]	0.0329053	2.58209
Effective Stress YY [ksf]	0.055101	2.59471
Total Stress ZZ [ksf]	0.254827	5.8917
Total Stress XX [ksf]	0.274036	5.93392
Total Stress YY [ksf]	0.295651	5.94653
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.81479e-007	0.102361
Pore Water Pressure [ksf]	0.233761	3.35182
Excess Pore Water Pressure [ksf]	0.00535778	0.0363326
Degree of Consolidation [%]	0	23.3987
Pre-consolidation Stress [ksf]	0.0182898	6.62714
Over-consolidation Ratio	1	3.98598
Void Ratio	0.999751	5.61916
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0037503

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-9.17499e-006	1.08375
Total Consolidation Settlement [in]	-9.17499e-006	1.08375
Virgin Consolidation Settlement [in]	0	0.62259
Recompression Consolidation Settlement [in]	-9.17499e-006	0.461158
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0545884	0.158351
Loading Stress XX [ksf]	0.0722098	0.183979
Loading Stress YY [ksf]	0.168007	0.272397
Effective Stress ZZ [ksf]	0.0164371	2.5398
Effective Stress XX [ksf]	0.0415852	2.59622
Effective Stress YY [ksf]	0.0722805	2.61213
Total Stress ZZ [ksf]	0.266961	5.89514
Total Stress XX [ksf]	0.294741	5.95156
Total Stress YY [ksf]	0.324119	5.96747
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.41355e-007	0.179299
Pore Water Pressure [ksf]	0.236169	3.35534
Excess Pore Water Pressure [ksf]	0.00470716	0.0483094
Degree of Consolidation [%]	0	31.5829
Pre-consolidation Stress [ksf]	0.0268659	6.62714
Over-consolidation Ratio	1	3.92701
Void Ratio	0.999643	5.61555
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00476787

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.47796e-005	1.47415
Total Consolidation Settlement [in]	-1.47796e-005	1.47415
Virgin Consolidation Settlement [in]	0	0.909224
Recompression Consolidation Settlement [in]	-1.47796e-005	0.56493
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.064146	0.197845
Loading Stress XX [ksf]	0.0943224	0.230428
Loading Stress YY [ksf]	0.216816	0.339294
Effective Stress ZZ [ksf]	0.0189047	2.53971
Effective Stress XX [ksf]	0.0519451	2.61037
Effective Stress YY [ksf]	0.0912306	2.62915
Total Stress ZZ [ksf]	0.279073	5.89807
Total Stress XX [ksf]	0.315666	5.96874
Total Stress YY [ksf]	0.353231	5.98751
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.25531e-006	0.238835
Pore Water Pressure [ksf]	0.238179	3.35836
Excess Pore Water Pressure [ksf]	0.00403166	0.0600889
Degree of Consolidation [%]	0	36.0014
Pre-consolidation Stress [ksf]	0.0361763	6.62714
Over-consolidation Ratio	1	3.83076
Void Ratio	0.999548	5.60948
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00565313

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.12891e-005	1.81525
Total Consolidation Settlement [in]	-2.12891e-005	1.81525
Virgin Consolidation Settlement [in]	0	1.14052
Recompression Consolidation Settlement [in]	-2.12891e-005	0.674734
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0720236	0.237125
Loading Stress XX [ksf]	0.119154	0.276892
Loading Stress YY [ksf]	0.270221	0.404902
Effective Stress ZZ [ksf]	0.0222667	2.53962
Effective Stress XX [ksf]	0.0641665	2.62453
Effective Stress YY [ksf]	0.112598	2.64578
Total Stress ZZ [ksf]	0.291118	5.90049
Total Stress XX [ksf]	0.337101	5.9854
Total Stress YY [ksf]	0.383428	6.00665
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.77267e-006	0.286838
Pore Water Pressure [ksf]	0.239887	3.36087
Excess Pore Water Pressure [ksf]	0.00333684	0.0714887
Degree of Consolidation [%]	0	39.0482
Pre-consolidation Stress [ksf]	0.0441123	6.62714
Over-consolidation Ratio	1	3.70418
Void Ratio	0.999467	5.60112
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00639622

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.84249e-005	2.12056
Total Consolidation Settlement [in]	-2.84249e-005	2.12056
Virgin Consolidation Settlement [in]	0	1.33253
Recompression Consolidation Settlement [in]	-2.84249e-005	0.788028
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0782127	0.275752
Loading Stress XX [ksf]	0.147662	0.323188
Loading Stress YY [ksf]	0.329777	0.469253
Effective Stress ZZ [ksf]	0.0264707	2.53952
Effective Stress XX [ksf]	0.0784358	2.63864
Effective Stress YY [ksf]	0.136635	2.66212
Total Stress ZZ [ksf]	0.302964	5.90239
Total Stress XX [ksf]	0.359275	6.0015
Total Stress YY [ksf]	0.415124	6.02498
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.49909e-006	0.326659
Pore Water Pressure [ksf]	0.241274	3.36286
Excess Pore Water Pressure [ksf]	0.0026288	0.0821365
Degree of Consolidation [%]	0	40.3787
Pre-consolidation Stress [ksf]	0.0491753	6.62714
Over-consolidation Ratio	1	3.60112
Void Ratio	0.999399	5.59409
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0069885

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.58844e-005	2.45692
Total Consolidation Settlement [in]	-3.58844e-005	2.45692
Virgin Consolidation Settlement [in]	0	1.55024
Recompression Consolidation Settlement [in]	-3.58844e-005	0.906678
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0827133	0.3123
Loading Stress XX [ksf]	0.181247	0.3693
Loading Stress YY [ksf]	0.396623	0.5309
Effective Stress ZZ [ksf]	0.0339221	2.53943
Effective Stress XX [ksf]	0.0975409	2.65269
Effective Stress YY [ksf]	0.165794	2.6783
Total Stress ZZ [ksf]	0.314172	5.90377
Total Stress XX [ksf]	0.382531	6.01702
Total Stress YY [ksf]	0.448579	6.04263
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.37005e-006	0.355422
Pore Water Pressure [ksf]	0.242384	3.36433
Excess Pore Water Pressure [ksf]	0.00191397	0.0912592
Degree of Consolidation [%]	0	42.1981
Pre-consolidation Stress [ksf]	0.0553186	6.62714
Over-consolidation Ratio	1	3.49736
Void Ratio	0.999346	5.58682
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00742367

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.01909e-005	3.03639
Total Consolidation Settlement [in]	-5.01909e-005	3.03639
Virgin Consolidation Settlement [in]	0	1.93687
Recompression Consolidation Settlement [in]	-5.01909e-005	1.09952
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.0364293	2.53928
Effective Stress XX [ksf]	0.182737	2.69138
Effective Stress YY [ksf]	0.244996	2.7169
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.536535	6.07899
Total Stress YY [ksf]	0.594431	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-117262	15440.1
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-117262	15440.1
Total Strain	-5.25473e-006	0.382899
Pore Water Pressure [ksf]	0.305559	3.38761
Excess Pore Water Pressure [ksf]	0.0308197	0.155656
Degree of Consolidation [%]	0	33.9734
Pre-consolidation Stress [ksf]	0.0670065	6.62714
Over-consolidation Ratio	1	3.29041
Void Ratio	0.999305	5.5719
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00757533

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	-9.86927e-005	4.68535
Total Consolidation Settlement [in]	-9.86927e-005	4.68535
Virgin Consolidation Settlement [in]	0	3.11483
Recompression Consolidation Settlement [in]	-9.86927e-005	1.57052
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.0410648	2.53855
Effective Stress XX [ksf]	0.189044	2.69065
Effective Stress YY [ksf]	0.251303	2.71618
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.545109	6.07899
Total Stress YY [ksf]	0.603006	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-143759	2860.51
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-143759	2860.51
Total Strain	-1.06865e-005	0.496898
Pore Water Pressure [ksf]	0.242765	3.38834
Excess Pore Water Pressure [ksf]	0	0.149349
Degree of Consolidation [%]	0	51.0776
Pre-consolidation Stress [ksf]	0.102545	6.62714
Over-consolidation Ratio	1	2.75451
Void Ratio	0.998695	5.52805
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000165173	5.45097
Total Consolidation Settlement [in]	-0.000165173	5.45097
Virgin Consolidation Settlement [in]	0	3.46748
Recompression Consolidation Settlement [in]	-0.000165173	1.98348
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.0559075	2.53797
Effective Stress XX [ksf]	0.20519	2.69008
Effective Stress YY [ksf]	0.267449	2.7156
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.549091	6.07899
Total Stress YY [ksf]	0.606988	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-102393	662.23
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-102393	662.23
Total Strain	-1.38012e-005	0.510588
Pore Water Pressure [ksf]	0.246747	3.38892
Excess Pore Water Pressure [ksf]	0	0.133203
Degree of Consolidation [%]	0	59.8015
Pre-consolidation Stress [ksf]	0.119154	6.62714
Over-consolidation Ratio	1	2.61207
Void Ratio	0.998688	5.47845
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000235698	6.25331
Total Consolidation Settlement [in]	-0.000235698	6.25331
Virgin Consolidation Settlement [in]	0	3.98772
Recompression Consolidation Settlement [in]	-0.000235698	2.26559
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.0883865	2.53729
Effective Stress XX [ksf]	0.239166	2.68939
Effective Stress YY [ksf]	0.301425	2.71491
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.553265	6.07899
Total Stress YY [ksf]	0.611162	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-76328.5	229.56
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-76328.5	229.56
Total Strain	-9.23804e-006	0.511483
Pore Water Pressure [ksf]	0.250921	3.38961
Excess Pore Water Pressure [ksf]	0	0.126545
Degree of Consolidation [%]	0	69.4386
Pre-consolidation Stress [ksf]	0.130306	6.62714
Over-consolidation Ratio	1	2.61278
Void Ratio	0.998684	5.41925
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000208604	6.90469
Total Consolidation Settlement [in]	-0.000208604	6.90469
Virgin Consolidation Settlement [in]	0	4.42027
Recompression Consolidation Settlement [in]	-0.000208604	2.48442
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.122829	2.53682
Effective Stress XX [ksf]	0.27485	2.68892
Effective Stress YY [ksf]	0.337108	2.71444
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.556654	6.07899
Total Stress YY [ksf]	0.614551	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-64958.1	687.649
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-64958.1	687.649
Total Strain	-1.08551e-005	0.510009
Pore Water Pressure [ksf]	0.25431	3.39008
Excess Pore Water Pressure [ksf]	0	0.121361
Degree of Consolidation [%]	0	77.4826
Pre-consolidation Stress [ksf]	0.139911	6.62714
Over-consolidation Ratio	1	2.61326
Void Ratio	0.998682	5.3693
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000164129	7.14
Total Consolidation Settlement [in]	-0.000164129	7.14
Virgin Consolidation Settlement [in]	0	4.53013
Recompression Consolidation Settlement [in]	-0.000164129	2.60986
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.130016	2.53713
Effective Stress XX [ksf]	0.293131	2.68923
Effective Stress YY [ksf]	0.353838	2.71475
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.557868	6.07899
Total Stress YY [ksf]	0.615764	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-72148.7	275.217
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-72148.7	275.217
Total Strain	-9.77322e-006	0.510331
Pore Water Pressure [ksf]	0.255524	3.38976
Excess Pore Water Pressure [ksf]	0	0.117174
Degree of Consolidation [%]	0	80.4612
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.61294
Void Ratio	0.998681	5.35569
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.64909e-006	7.49014
Total Consolidation Settlement [in]	-1.64909e-006	7.49014
Virgin Consolidation Settlement [in]	0	4.74648
Recompression Consolidation Settlement [in]	-1.64909e-006	2.74366
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.128208	2.53973
Effective Stress XX [ksf]	0.299676	2.69183
Effective Stress YY [ksf]	0.359682	2.71735
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.559676	6.07899
Total Stress YY [ksf]	0.617573	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	-203675	86432.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-203675	86432.8
Total Strain	-8.73392e-007	0.510018
Pore Water Pressure [ksf]	0.257332	3.38716
Excess Pore Water Pressure [ksf]	0	0.110589
Degree of Consolidation [%]	0	84.8465
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.61026
Void Ratio	0.99868	5.34391
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.74183
Total Consolidation Settlement [in]	0	7.74183
Virgin Consolidation Settlement [in]	0	4.91615
Recompression Consolidation Settlement [in]	0	2.82568
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.126907	2.5437
Effective Stress XX [ksf]	0.302344	2.6958
Effective Stress YY [ksf]	0.36024	2.72132
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.560977	6.07899
Total Stress YY [ksf]	0.618873	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	55533.9
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	55533.9
Total Strain	1.26972e-005	0.509465
Pore Water Pressure [ksf]	0.258633	3.38319
Excess Pore Water Pressure [ksf]	0	0.104233
Degree of Consolidation [%]	0	88.0403
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.60619
Void Ratio	0.998679	5.33935
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153131

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.04494
Total Consolidation Settlement [in]	0	8.04494
Virgin Consolidation Settlement [in]	0	5.13663
Recompression Consolidation Settlement [in]	0	2.90831
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.125329	2.55216
Effective Stress XX [ksf]	0.302344	2.70427
Effective Stress YY [ksf]	0.36024	2.72979
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.562555	6.07899
Total Stress YY [ksf]	0.620452	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	16967.1
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	16967.1
Total Strain	4.15585e-005	0.509621
Pore Water Pressure [ksf]	0.260211	3.37473
Excess Pore Water Pressure [ksf]	0	0.0937111
Degree of Consolidation [%]	0	91.9422
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.59754
Void Ratio	0.998679	5.33743
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0167141

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.20201
Total Consolidation Settlement [in]	0	8.20201
Virgin Consolidation Settlement [in]	0	5.24669
Recompression Consolidation Settlement [in]	0	2.95531
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.124514	2.5595
Effective Stress XX [ksf]	0.302344	2.7116
Effective Stress YY [ksf]	0.36024	2.73712
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.563369	6.07899
Total Stress YY [ksf]	0.621266	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	10603.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	10603.6
Total Strain	6.64987e-005	0.509542
Pore Water Pressure [ksf]	0.261025	3.36739
Excess Pore Water Pressure [ksf]	0	0.085066
Degree of Consolidation [%]	0	94.054
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.59009
Void Ratio	0.998678	5.33527
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.016817

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.28863
Total Consolidation Settlement [in]	0	8.28863
Virgin Consolidation Settlement [in]	0	5.30042
Recompression Consolidation Settlement [in]	0	2.98821
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.124063	2.56544
Effective Stress XX [ksf]	0.302344	2.71754
Effective Stress YY [ksf]	0.36024	2.74306
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.563821	6.07899
Total Stress YY [ksf]	0.621717	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8139.69
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8139.69
Total Strain	8.66279e-005	0.509475
Pore Water Pressure [ksf]	0.261477	3.36146
Excess Pore Water Pressure [ksf]	0	0.0768715
Degree of Consolidation [%]	0	95.2524
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.5841
Void Ratio	0.99827	5.33441
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168639

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.34719
Total Consolidation Settlement [in]	0	8.34719
Virgin Consolidation Settlement [in]	0	5.3331
Recompression Consolidation Settlement [in]	0	3.01409
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.123765	2.57052
Effective Stress XX [ksf]	0.302344	2.72262
Effective Stress YY [ksf]	0.36024	2.74814
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.564118	6.07899
Total Stress YY [ksf]	0.622015	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6791.38
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6791.38
Total Strain	0.000103826	0.509419
Pore Water Pressure [ksf]	0.261774	3.35637
Excess Pore Water Pressure [ksf]	0	0.0684748
Degree of Consolidation [%]	0	96.0778
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.57899
Void Ratio	0.997796	5.33416
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168852

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.50725
Total Consolidation Settlement [in]	0	8.50725
Virgin Consolidation Settlement [in]	0	5.42565
Recompression Consolidation Settlement [in]	0	3.0816
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.122939	2.58406
Effective Stress XX [ksf]	0.302344	2.73616
Effective Stress YY [ksf]	0.36024	2.76168
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.564945	6.07899
Total Stress YY [ksf]	0.622842	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4717.34
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4717.34
Total Strain	0.000149475	0.509209
Pore Water Pressure [ksf]	0.262601	3.34283
Excess Pore Water Pressure [ksf]	0	0.0346174
Degree of Consolidation [%]	0	98.1982
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.56547
Void Ratio	0.995974	5.33478
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168994

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.58029
Total Consolidation Settlement [in]	0	8.58029
Virgin Consolidation Settlement [in]	0	5.47295
Recompression Consolidation Settlement [in]	0	3.10734
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.12256	2.5874
Effective Stress XX [ksf]	0.302344	2.7395
Effective Stress YY [ksf]	0.36024	2.76502
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.565324	6.07899
Total Stress YY [ksf]	0.62322	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4387.89
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4387.89
Total Strain	0.000160698	0.509105
Pore Water Pressure [ksf]	0.26298	3.33949
Excess Pore Water Pressure [ksf]	-6.45893e-006	0.0172698
Degree of Consolidation [%]	0	99.1172
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.56216
Void Ratio	0.995092	5.33524
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168994

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.63328
Total Consolidation Settlement [in]	0	8.63328
Virgin Consolidation Settlement [in]	0	5.50799
Recompression Consolidation Settlement [in]	0	3.12529
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.122275	2.58843
Effective Stress XX [ksf]	0.302344	2.74053
Effective Stress YY [ksf]	0.36024	2.76605
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.565609	6.07899
Total Stress YY [ksf]	0.623505	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4295.74
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4295.74
Total Strain	0.000164145	0.509027
Pore Water Pressure [ksf]	0.263265	3.33847
Excess Pore Water Pressure [ksf]	-2.09234e-005	0.00428738
Degree of Consolidation [%]	0	99.9337
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.56114
Void Ratio	0.994447	5.33557
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168994

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.64995
Total Consolidation Settlement [in]	0	8.64995
Virgin Consolidation Settlement [in]	0	5.51912
Recompression Consolidation Settlement [in]	0	3.13083
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.122181	2.58849
Effective Stress XX [ksf]	0.302344	2.74059
Effective Stress YY [ksf]	0.36024	2.76612
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.565703	6.07899
Total Stress YY [ksf]	0.6236	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4289.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4289.92
Total Strain	0.000164368	0.509001
Pore Water Pressure [ksf]	0.263359	3.3384
Excess Pore Water Pressure [ksf]	-2.36934e-005	0.000134598
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.56107
Void Ratio	0.994244	5.33568
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168994

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.65049
Total Consolidation Settlement [in]	0	8.65049
Virgin Consolidation Settlement [in]	0	5.51947
Recompression Consolidation Settlement [in]	0	3.13102
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.10685	0.39451
Loading Stress XX [ksf]	0.276247	0.425807
Loading Stress YY [ksf]	0.493859	0.606209
Effective Stress ZZ [ksf]	0.122178	2.58849
Effective Stress XX [ksf]	0.302344	2.74059
Effective Stress YY [ksf]	0.36024	2.76612
Total Stress ZZ [ksf]	0.38554	5.92689
Total Stress XX [ksf]	0.565706	6.07899
Total Stress YY [ksf]	0.623603	6.10452
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4289.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4289.92
Total Strain	0.000164368	0.509
Pore Water Pressure [ksf]	0.263362	3.3384
Excess Pore Water Pressure [ksf]	-1.56152e-005	2.34188e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.141498	6.62714
Over-consolidation Ratio	1	2.56107
Void Ratio	0.994237	5.33568
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0168994

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 36000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
17.5	1000
17.5	0
33.5647	0
37.4353	0
53.5	0
53.5	1000
37.4353	1000
33.5647	1000

Embankments

1. Embankment: "Embankment Load to +2.5"

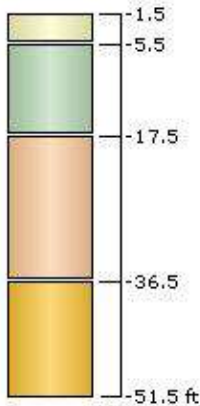
Label Embankment Load to +2.5
 Center Line (35.5, 0) to (35.5, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.09	14	0
2	Stage 2 = 2 d	0	14	0.44	0.09	14	0
3	Stage 3 = 3 d	0	14	0.44	0.09	14	0
4	Stage 4 = 4 d	0	14	0.44	0.09	14	0
5	Stage 5 = 5 d	0	14	0.44	0.09	14	0
6	Stage 6 = 6 d	0	14	0.44	0.09	14	0
7	Stage 7 = 7 d	0	14	0.44	0.09	14	0
8	Stage 8 = 8 d	0	14	0.44	0.09	14	0
9	Stage 9 = 10 d	0	14	0.48	0.09	14	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black and Gray Organic Clay (OH)	4	1.5	Yes
2	Very Soft to Soft Gray Fat Clay (CH)	12	5.5	No
3	Soft to Stiff Tan and Gray Fat Clay (CH)	19	17.5	Yes
4	Stiff to Very Stiff Gray Silty Clay (CL-ML)	15	36.5	No



Soil Properties

Property	Very Soft Black and Gray Organic Clay (OH)	Very Soft to Soft Gray Fat Clay (CH)	Soft to Stiff Tan and Gray Fat Clay (CH)	Stiff to Very Stiff Gray Silty Clay (CL-ML)
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.05	0.45	0.08	0.24
Cr	0.55	0.08	0.01	0.04
e0	5.62	1.53	1	1
OCR	4	2.31	1	2.61
Cv [ft ² /d]	0.03	0.085	0.3	0.3
Cvr [ft ² /d]	0.03	0.085	0.3	0.3
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 61

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-11 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

III-5A
B-11/C-13 (Cell 2)
4585-17-006
PO-169
Stress Computation Method Boussinesq
Time-dependent Consolidation Analysis
Time Units days
Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0328034	0.0603
Loading Stress XX [ksf]	0.0252485	0.0677178
Loading Stress YY [ksf]	0.0591715	0.1037
Effective Stress ZZ [ksf]	0	2.54
Effective Stress XX [ksf]	0.00774287	2.56077
Effective Stress YY [ksf]	0.0181459	2.57012
Total Stress ZZ [ksf]	0.236892	5.88846
Total Stress XX [ksf]	0.244635	5.90923
Total Stress YY [ksf]	0.255038	5.91858
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0.236892	3.34846
Excess Pore Water Pressure [ksf]	0.0100597	0.018492
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.01408	6.62714
Over-consolidation Ratio	1	4
Void Ratio	1	5.62
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.04643e-006	0.310593
Total Consolidation Settlement [in]	-3.04643e-006	0.310593
Virgin Consolidation Settlement [in]	0	0.00103566
Recompression Consolidation Settlement [in]	-3.04643e-006	0.309558
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0625082	0.120599
Loading Stress XX [ksf]	0.0520093	0.136171
Loading Stress YY [ksf]	0.121037	0.207493
Effective Stress ZZ [ksf]	0.0110839	2.53991
Effective Stress XX [ksf]	0.0279721	2.58167
Effective Stress YY [ksf]	0.0494641	2.59955
Total Stress ZZ [ksf]	0.255384	5.89757
Total Stress XX [ksf]	0.272949	5.93933
Total Stress YY [ksf]	0.294118	5.95721
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.7985e-005	0.049763
Pore Water Pressure [ksf]	0.238508	3.35766
Excess Pore Water Pressure [ksf]	0.0117499	0.0369619
Degree of Consolidation [%]	0	11.705
Pre-consolidation Stress [ksf]	0.01408	6.62714
Over-consolidation Ratio	1	4.00977
Void Ratio	0.999748	5.62058
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00432977

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.33483e-006	1.01075
Total Consolidation Settlement [in]	-8.33483e-006	1.01075
Virgin Consolidation Settlement [in]	0	0.587072
Recompression Consolidation Settlement [in]	-8.33483e-006	0.423678
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0889253	0.18089
Loading Stress XX [ksf]	0.0807293	0.205293
Loading Stress YY [ksf]	0.186301	0.310548
Effective Stress ZZ [ksf]	0.0153129	2.53978
Effective Stress XX [ksf]	0.0423725	2.60274
Effective Stress YY [ksf]	0.0757757	2.62825
Total Stress ZZ [ksf]	0.273873	5.90567
Total Stress XX [ksf]	0.303887	5.96863
Total Stress YY [ksf]	0.336262	5.99414
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.76355e-007	0.171826
Pore Water Pressure [ksf]	0.242146	3.36589
Excess Pore Water Pressure [ksf]	0.0106115	0.0553852
Degree of Consolidation [%]	0	26.2607
Pre-consolidation Stress [ksf]	0.025881	6.62714
Over-consolidation Ratio	1	3.97714
Void Ratio	0.999514	5.61862
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft^2/d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00650789

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.55662e-005	1.54573
Total Consolidation Settlement [in]	-1.55662e-005	1.54573
Virgin Consolidation Settlement [in]	0	0.992716
Recompression Consolidation Settlement [in]	-1.55662e-005	0.553019
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.111889	0.241142
Loading Stress XX [ksf]	0.112054	0.275018
Loading Stress YY [ksf]	0.255943	0.413387
Effective Stress ZZ [ksf]	0.0177065	2.53963
Effective Stress XX [ksf]	0.0555205	2.62397
Effective Stress YY [ksf]	0.101089	2.65615
Total Stress ZZ [ksf]	0.29235	5.91271
Total Stress XX [ksf]	0.334755	5.99705
Total Stress YY [ksf]	0.37888	6.02923
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.25296e-006	0.256008
Pore Water Pressure [ksf]	0.244918	3.37308
Excess Pore Water Pressure [ksf]	0.00935165	0.0736817
Degree of Consolidation [%]	0	32.2555
Pre-consolidation Stress [ksf]	0.0394184	6.62714
Over-consolidation Ratio	1	3.88757
Void Ratio	0.999303	5.61308
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0084357

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.5311e-005	1.98972
Total Consolidation Settlement [in]	-2.5311e-005	1.98972
Virgin Consolidation Settlement [in]	0	1.29726
Recompression Consolidation Settlement [in]	-2.5311e-005	0.69246
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.131264	0.301257
Loading Stress XX [ksf]	0.146928	0.345272
Loading Stress YY [ksf]	0.331365	0.514218
Effective Stress ZZ [ksf]	0.021489	2.53947
Effective Stress XX [ksf]	0.0713329	2.64535
Effective Stress YY [ksf]	0.129769	2.68319
Total Stress ZZ [ksf]	0.310786	5.91865
Total Stress XX [ksf]	0.366194	6.02454
Total Stress YY [ksf]	0.422754	6.06237
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.78212e-006	0.319108
Pore Water Pressure [ksf]	0.247185	3.37918
Excess Pore Water Pressure [ksf]	0.00798154	0.0917123
Degree of Consolidation [%]	0	34.0577
Pre-consolidation Stress [ksf]	0.0481362	6.62714
Over-consolidation Ratio	1	3.74672
Void Ratio	0.999117	5.60394
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0100774

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.67207e-005	2.38446
Total Consolidation Settlement [in]	-3.67207e-005	2.38446
Virgin Consolidation Settlement [in]	0	1.54286
Recompression Consolidation Settlement [in]	-3.67207e-005	0.841605
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.146946	0.360909
Loading Stress XX [ksf]	0.186727	0.415936
Loading Stress YY [ksf]	0.414536	0.613363
Effective Stress ZZ [ksf]	0.0272196	2.5393
Effective Stress XX [ksf]	0.105073	2.69035
Effective Stress YY [ksf]	0.192043	2.73784
Total Stress ZZ [ksf]	0.348912	5.92868
Total Stress XX [ksf]	0.43181	6.07973
Total Stress YY [ksf]	0.516092	6.12722
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.36027e-006	0.368072
Pore Water Pressure [ksf]	0.268929	3.38938
Excess Pore Water Pressure [ksf]	0.0135868	0.128495
Degree of Consolidation [%]	0	31.0315
Pre-consolidation Stress [ksf]	0.0558222	6.62714
Over-consolidation Ratio	1	3.56333
Void Ratio	0.998958	5.5912
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0110065

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.10674e-005	3.10795
Total Consolidation Settlement [in]	-5.10674e-005	3.10795
Virgin Consolidation Settlement [in]	0	2.09634
Recompression Consolidation Settlement [in]	-5.10674e-005	1.01161
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.158871	0.418992
Loading Stress XX [ksf]	0.233312	0.486722
Loading Stress YY [ksf]	0.507828	0.708917
Effective Stress ZZ [ksf]	0.0345591	2.53907
Effective Stress XX [ksf]	0.167189	2.76091
Effective Stress YY [ksf]	0.30143	2.82057
Total Stress ZZ [ksf]	0.406995	5.9406
Total Stress XX [ksf]	0.540244	6.16244
Total Stress YY [ksf]	0.671233	6.2221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.40034e-006	0.427121
Pore Water Pressure [ksf]	0.292652	3.40153
Excess Pore Water Pressure [ksf]	0.0162647	0.182522
Degree of Consolidation [%]	0	30.1657
Pre-consolidation Stress [ksf]	0.0737373	6.62714
Over-consolidation Ratio	1	3.41378
Void Ratio	0.998693	5.58015
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152359

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-6.88623e-005	3.94865
Total Consolidation Settlement [in]	-6.88623e-005	3.94865
Virgin Consolidation Settlement [in]	0	2.75622
Recompression Consolidation Settlement [in]	-6.88623e-005	1.19244
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.167012	0.471666
Loading Stress XX [ksf]	0.288605	0.557097
Loading Stress YY [ksf]	0.611812	0.800266
Effective Stress ZZ [ksf]	0.0346867	2.53879
Effective Stress XX [ksf]	0.235679	2.831
Effective Stress YY [ksf]	0.418275	2.90128
Total Stress ZZ [ksf]	0.459669	5.94874
Total Stress XX [ksf]	0.652581	6.24095
Total Stress YY [ksf]	0.83226	6.31123
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.38969e-006	0.495972
Pore Water Pressure [ksf]	0.291612	3.40995
Excess Pore Water Pressure [ksf]	0.0111395	0.227751
Degree of Consolidation [%]	0	31.6188
Pre-consolidation Stress [ksf]	0.08553	6.62714
Over-consolidation Ratio	1	3.23117
Void Ratio	0.998378	5.56568
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0163839

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000106849	5.13302
Total Consolidation Settlement [in]	-0.000106849	5.13302
Virgin Consolidation Settlement [in]	0	3.60474
Recompression Consolidation Settlement [in]	-0.000106849	1.52828
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.0364259	2.53831
Effective Stress XX [ksf]	0.349408	2.90544
Effective Stress YY [ksf]	0.536266	2.97924
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.856728	6.34841
Total Stress YY [ksf]	1.04394	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	-165303	10125.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-165303	10125.8
Total Strain	-1.03734e-005	0.558021
Pore Water Pressure [ksf]	0.330203	3.44297
Excess Pore Water Pressure [ksf]	0.0413944	0.302668
Degree of Consolidation [%]	0	32.7283
Pre-consolidation Stress [ksf]	0.106373	6.62714
Over-consolidation Ratio	1	2.85467
Void Ratio	0.998153	5.53395
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0172326

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000196397	7.12131
Total Consolidation Settlement [in]	-0.000196397	7.12131
Virgin Consolidation Settlement [in]	0	4.98625
Recompression Consolidation Settlement [in]	-0.000196397	2.13506
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.0464623	2.53708
Effective Stress XX [ksf]	0.363099	2.9042
Effective Stress YY [ksf]	0.549957	2.978
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.867056	6.34841
Total Stress YY [ksf]	1.05426	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	-95129.8	1469.91
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-95129.8	1469.91
Total Strain	-2.12248e-005	0.634567
Pore Water Pressure [ksf]	0.255418	3.44421
Excess Pore Water Pressure [ksf]	0	0.288978
Degree of Consolidation [%]	0	44.9112
Pre-consolidation Stress [ksf]	0.143373	6.62714
Over-consolidation Ratio	1	2.61298
Void Ratio	0.997356	5.44027
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0192648

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000325154	8.88139
Total Consolidation Settlement [in]	-0.000325154	8.88139
Virgin Consolidation Settlement [in]	0	6.35184
Recompression Consolidation Settlement [in]	-0.000325154	2.52955
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.0771831	2.53599
Effective Stress XX [ksf]	0.396929	2.90311
Effective Stress YY [ksf]	0.583787	2.97691
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.876215	6.34841
Total Stress YY [ksf]	1.06342	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	-69134.3	372.608
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-69134.3	372.608
Total Strain	-2.64201e-005	0.642936
Pore Water Pressure [ksf]	0.264577	3.4453
Excess Pore Water Pressure [ksf]	0	0.255148
Degree of Consolidation [%]	0	56.4324
Pre-consolidation Stress [ksf]	0.163438	6.62714
Over-consolidation Ratio	1	2.6141
Void Ratio	0.997344	5.34704
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0205965

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000448523	10.3688
Total Consolidation Settlement [in]	-0.000448523	10.3688
Virgin Consolidation Settlement [in]	0	7.51591
Recompression Consolidation Settlement [in]	-0.000448523	2.85289
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.133739	2.53469
Effective Stress XX [ksf]	0.456298	2.90182
Effective Stress YY [ksf]	0.643157	2.97562
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.883953	6.34841
Total Stress YY [ksf]	1.07116	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	-52177.4	9992.04
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-52177.4	9992.04
Total Strain	-1.80817e-005	0.644033
Pore Water Pressure [ksf]	0.272316	3.44659
Excess Pore Water Pressure [ksf]	0	0.240209
Degree of Consolidation [%]	0	66.4088
Pre-consolidation Stress [ksf]	0.188997	6.62714
Over-consolidation Ratio	1	2.61544
Void Ratio	0.997337	5.23892
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0195727

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000393408	11.4924
Total Consolidation Settlement [in]	-0.000393408	11.4924
Virgin Consolidation Settlement [in]	0	8.55449
Recompression Consolidation Settlement [in]	-0.000393408	2.93791
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.191961	2.5339
Effective Stress XX [ksf]	0.517412	2.90102
Effective Stress YY [ksf]	0.70427	2.97482
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.889799	6.34841
Total Stress YY [ksf]	1.07701	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	-45309.5	378.575
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-45309.5	378.575
Total Strain	-2.08225e-005	0.6438
Pore Water Pressure [ksf]	0.278161	3.44739
Excess Pore Water Pressure [ksf]	0	0.227576
Degree of Consolidation [%]	0	74.1055
Pre-consolidation Stress [ksf]	0.221599	6.62714
Over-consolidation Ratio	1	2.61626
Void Ratio	0.997332	5.15221
Permeability [ft/d]	6.41094e-005	0.106531
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0195727

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000285537	12.1715
Total Consolidation Settlement [in]	-0.000285537	12.1715
Virgin Consolidation Settlement [in]	0	9.16665
Recompression Consolidation Settlement [in]	-0.000285537	3.00487
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.228383	2.53472
Effective Stress XX [ksf]	0.556079	2.90184
Effective Stress YY [ksf]	0.742937	2.97564
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.893327	6.34841
Total Stress YY [ksf]	1.08054	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	-52410.8	7407.82
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-52410.8	7407.82
Total Strain	-1.80012e-005	0.643093
Pore Water Pressure [ksf]	0.281689	3.44657
Excess Pore Water Pressure [ksf]	0	0.222758
Degree of Consolidation [%]	0	78.8338
Pre-consolidation Stress [ksf]	0.244412	6.62714
Over-consolidation Ratio	1	2.61541
Void Ratio	0.99733	5.11008
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0195727

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.7812
Total Consolidation Settlement [in]	0	12.7812
Virgin Consolidation Settlement [in]	0	9.67987
Recompression Consolidation Settlement [in]	0	3.1013
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.258363	2.54038
Effective Stress XX [ksf]	0.58895	2.9075
Effective Stress YY [ksf]	0.775809	2.9813
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.89649	6.34841
Total Stress YY [ksf]	1.0837	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	248745
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	248745
Total Strain	1.38618e-006	0.642845
Pore Water Pressure [ksf]	0.284852	3.44091
Excess Pore Water Pressure [ksf]	0	0.208257
Degree of Consolidation [%]	0	83.1447
Pre-consolidation Stress [ksf]	0.2618	6.62714
Over-consolidation Ratio	1	2.60958
Void Ratio	0.997328	5.05011
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0201652

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2251
Total Consolidation Settlement [in]	0	13.2251
Virgin Consolidation Settlement [in]	0	10.0479
Recompression Consolidation Settlement [in]	0	3.1772
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.25762	2.54881
Effective Stress XX [ksf]	0.601315	2.91593
Effective Stress YY [ksf]	0.788995	2.98973
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.898799	6.34841
Total Stress YY [ksf]	1.08601	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	31282
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	31282
Total Strain	3.01598e-005	0.642648
Pore Water Pressure [ksf]	0.287162	3.43248
Excess Pore Water Pressure [ksf]	0	0.19782
Degree of Consolidation [%]	0	86.304
Pre-consolidation Stress [ksf]	0.27264	6.62714
Over-consolidation Ratio	1	2.60095
Void Ratio	0.997327	5.00589
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.020552

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.9553
Total Consolidation Settlement [in]	0	13.9553
Virgin Consolidation Settlement [in]	0	10.67
Recompression Consolidation Settlement [in]	0	3.2853
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.253831	2.56663
Effective Stress XX [ksf]	0.611638	2.93375
Effective Stress YY [ksf]	0.798847	3.00755
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.902588	6.34841
Total Stress YY [ksf]	1.0898	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	10402.1
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	10402.1
Total Strain	9.06991e-005	0.642367
Pore Water Pressure [ksf]	0.29095	3.41466
Excess Pore Water Pressure [ksf]	0	0.178988
Degree of Consolidation [%]	0	91.5293
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.58289
Void Ratio	0.997326	4.90646
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft^2/d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213223

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.3295
Total Consolidation Settlement [in]	0	14.3295
Virgin Consolidation Settlement [in]	0	10.9646
Recompression Consolidation Settlement [in]	0	3.36496
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.2519	2.58204
Effective Stress XX [ksf]	0.611638	2.94916
Effective Stress YY [ksf]	0.798847	3.02296
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.904519	6.34841
Total Stress YY [ksf]	1.09173	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6611.39
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6611.39
Total Strain	0.000142702	0.642182
Pore Water Pressure [ksf]	0.292882	3.39925
Excess Pore Water Pressure [ksf]	0	0.162167
Degree of Consolidation [%]	0	94.2759
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.56747
Void Ratio	0.997325	4.89141
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0219896

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.5082
Total Consolidation Settlement [in]	0	14.5082
Virgin Consolidation Settlement [in]	0	11.0906
Recompression Consolidation Settlement [in]	0	3.41761
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.25098	2.5945
Effective Stress XX [ksf]	0.611638	2.96162
Effective Stress YY [ksf]	0.798847	3.03542
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.905439	6.34841
Total Stress YY [ksf]	1.09265	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5112.66
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5112.66
Total Strain	0.000184534	0.642172
Pore Water Pressure [ksf]	0.293801	3.38679
Excess Pore Water Pressure [ksf]	0	0.145181
Degree of Consolidation [%]	0	95.6218
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.55513
Void Ratio	0.996494	4.88624
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022172

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.6133
Total Consolidation Settlement [in]	0	14.6133
Virgin Consolidation Settlement [in]	0	11.1564
Recompression Consolidation Settlement [in]	0	3.45693
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.250441	2.60517
Effective Stress XX [ksf]	0.611638	2.97229
Effective Stress YY [ksf]	0.798847	3.04609
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.905979	6.34841
Total Stress YY [ksf]	1.09319	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4284.77
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4284.77
Total Strain	0.000220189	0.642132
Pore Water Pressure [ksf]	0.294341	3.37612
Excess Pore Water Pressure [ksf]	0	0.127858
Degree of Consolidation [%]	0	96.4337
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.54467
Void Ratio	0.995551	4.88537
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0222626

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.8898
Total Consolidation Settlement [in]	0	14.8898
Virgin Consolidation Settlement [in]	0	11.3375
Recompression Consolidation Settlement [in]	0	3.5523
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.249007	2.63358
Effective Stress XX [ksf]	0.611638	3.00071
Effective Stress YY [ksf]	0.798847	3.07451
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.907412	6.34841
Total Stress YY [ksf]	1.09462	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	3000.28
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3000.28
Total Strain	0.000314456	0.641945
Pore Water Pressure [ksf]	0.295774	3.3477
Excess Pore Water Pressure [ksf]	-1.01646e-005	0.0600731
Degree of Consolidation [%]	0	98.4547
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.5172
Void Ratio	0.992224	4.88622
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0223961

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.0077
Total Consolidation Settlement [in]	0	15.0077
Virgin Consolidation Settlement [in]	0	11.4216
Recompression Consolidation Settlement [in]	0	3.58611
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.248378	2.64059
Effective Stress XX [ksf]	0.611638	3.00772
Effective Stress YY [ksf]	0.798847	3.08152
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.908041	6.34841
Total Stress YY [ksf]	1.09525	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2795
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2795
Total Strain	0.000337552	0.641857
Pore Water Pressure [ksf]	0.296403	3.34069
Excess Pore Water Pressure [ksf]	-3.21946e-005	0.0279521
Degree of Consolidation [%]	0	99.2978
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.51052
Void Ratio	0.990788	4.88667
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0224435

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.0846
Total Consolidation Settlement [in]	0	15.0846
Virgin Consolidation Settlement [in]	0	11.4774
Recompression Consolidation Settlement [in]	0	3.60717
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.24795	2.64275
Effective Stress XX [ksf]	0.611638	3.00987
Effective Stress YY [ksf]	0.798847	3.08367
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.908469	6.34841
Total Stress YY [ksf]	1.09568	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2737.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2737.52
Total Strain	0.000344639	0.641797
Pore Water Pressure [ksf]	0.296832	3.33854
Excess Pore Water Pressure [ksf]	-5.9567e-005	0.00610952
Degree of Consolidation [%]	0	99.9344
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.50847
Void Ratio	0.989845	4.88697
Permeability [ft/d]	6.41094e-005	0.0273605
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022473

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.1058
Total Consolidation Settlement [in]	0	15.1058
Virgin Consolidation Settlement [in]	0	11.4929
Recompression Consolidation Settlement [in]	0	3.6129
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.247832	2.64289
Effective Stress XX [ksf]	0.611638	3.01001
Effective Stress YY [ksf]	0.798847	3.08381
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.908588	6.34841
Total Stress YY [ksf]	1.0958	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2733.89
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2733.89
Total Strain	0.000345097	0.641781
Pore Water Pressure [ksf]	0.29695	3.3384
Excess Pore Water Pressure [ksf]	-6.31605e-005	0.000138233
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.50834
Void Ratio	0.989592	4.88705
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0224845

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.1062
Total Consolidation Settlement [in]	0	15.1062
Virgin Consolidation Settlement [in]	0	11.4932
Recompression Consolidation Settlement [in]	0	3.61303
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.199557	0.556778
Loading Stress XX [ksf]	0.401488	0.632009
Loading Stress YY [ksf]	0.732224	0.893641
Effective Stress ZZ [ksf]	0.247829	2.64289
Effective Stress XX [ksf]	0.611638	3.01001
Effective Stress YY [ksf]	0.798847	3.08381
Total Stress ZZ [ksf]	0.544781	5.98129
Total Stress XX [ksf]	0.90859	6.34841
Total Stress YY [ksf]	1.0958	6.42221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2733.89
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2733.89
Total Strain	0.000345098	0.64178
Pore Water Pressure [ksf]	0.296953	3.3384
Excess Pore Water Pressure [ksf]	-7.80717e-005	6.03733e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.274096	6.62714
Over-consolidation Ratio	1	2.50834
Void Ratio	0.989586	4.88705
Permeability [ft/d]	6.41094e-005	0.0192106
Coefficient of Consolidation [ft ² /d]	0.03	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0224848

Loads

1. Polygonal Load: "ACBM"

Label	ACBM
Load Type	Flexible
Area of Load	52000 ft ²
Load	0.05 ksf
Depth	1.5 ft
Installation Stage	Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
9.5	1000
9.5	0
33.5647	0
37.4353	0
61.5	0
61.5	1000
37.4353	1000
33.5647	1000

Embankments

1. Embankment: "Embankment Load to +4.5"

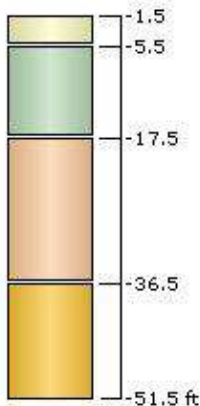
Label	Embankment Load to +4.5
Center Line	(35.5, 0) to (35.5, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.09	14	0
2	Stage 2 = 2 d	0	14	0.67	0.09	14	0
3	Stage 3 = 3 d	0	14	0.67	0.09	14	0
4	Stage 4 = 4 d	0	14	0.67	0.09	14	0
5	Stage 5 = 5 d	0	14	0.67	0.09	14	0
6	Stage 6 = 6 d	0	14	0.67	0.09	14	0
7	Stage 7 = 7 d	0	14	0.67	0.09	14	0
8	Stage 8 = 8 d	0	14	0.67	0.09	14	0
9	Stage 9 = 10 d	0	14	0.64	0.09	14	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black and Gray Organic Clay (OH)	4	1.5	Yes
2	Very Soft to Soft Gray Fat Clay (CH)	12	5.5	No
3	Soft to Stiff Tan and Gray Fat Clay (CH)	19	17.5	Yes
4	Stiff to Very Stiff Gray Silty Clay (CL-ML)	15	36.5	No



Soil Properties

Property	Very Soft Black and Gray Organic Clay (OH)	Very Soft to Soft Gray Fat Clay (CH)	Soft to Stiff Tan and Gray Fat Clay (CH)	Stiff to Very Stiff Gray Silty Clay (CL-ML)
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.05	0.45	0.08	0.24
Cr	0.55	0.08	0.01	0.04
e0	5.62	1.53	1	1
OCR	4	2.31	1	2.61
Cv [ft ² /d]	0.03	0.085	0.3	0.3
Cvr [ft ² /d]	0.03	0.085	0.3	0.3
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 61

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-17 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

II-6A
 B-17 (Cell 4)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0239161	0.0395986
Loading Stress XX [ksf]	0.0163194	0.0438639
Loading Stress YY [ksf]	0.0391187	0.0683663
Effective Stress ZZ [ksf]	0	1.238
Effective Stress XX [ksf]	0.00500461	1.25145
Effective Stress YY [ksf]	0.0119964	1.25827
Total Stress ZZ [ksf]	0.230544	3.33573
Total Stress XX [ksf]	0.235548	3.34919
Total Stress YY [ksf]	0.24254	3.356
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0.230544	2.09773
Excess Pore Water Pressure [ksf]	0.00733428	0.0121436
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.002816	4.94948
Over-consolidation Ratio	2.66	4
Void Ratio	1.13	6.11
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.88996e-006	0.519778
Total Consolidation Settlement [in]	-4.88996e-006	0.519778
Virgin Consolidation Settlement [in]	0	0.308044
Recompression Consolidation Settlement [in]	-4.88996e-006	0.211735
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0458218	0.0791953
Loading Stress XX [ksf]	0.0336242	0.0883019
Loading Stress YY [ksf]	0.0798475	0.136674
Effective Stress ZZ [ksf]	0.00943932	1.23792
Effective Stress XX [ksf]	0.0208045	1.265
Effective Stress YY [ksf]	0.0352637	1.27811
Total Stress ZZ [ksf]	0.242687	3.34245
Total Stress XX [ksf]	0.255702	3.36953
Total Stress YY [ksf]	0.269877	3.38264
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.12106e-006	0.304511
Pore Water Pressure [ksf]	0.233247	2.10453
Excess Pore Water Pressure [ksf]	0.00916527	0.0242573
Degree of Consolidation [%]	0	24.4276
Pre-consolidation Stress [ksf]	0.0109058	4.94948
Over-consolidation Ratio	1.02659	4.0006
Void Ratio	1.12973	6.11004
Permeability [ft/d]	7.82333e-005	0.118238
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00173141

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.37691e-005	0.940744
Total Consolidation Settlement [in]	-1.37691e-005	0.940744
Virgin Consolidation Settlement [in]	0	0.6088
Recompression Consolidation Settlement [in]	-1.37691e-005	0.331944
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0655587	0.118785
Loading Stress XX [ksf]	0.0521384	0.133256
Loading Stress YY [ksf]	0.122621	0.204757
Effective Stress ZZ [ksf]	0.0158305	1.23781
Effective Stress XX [ksf]	0.0332386	1.27867
Effective Stress YY [ksf]	0.0553147	1.2975
Total Stress ZZ [ksf]	0.254827	3.3485
Total Stress XX [ksf]	0.275711	3.38937
Total Stress YY [ksf]	0.297326	3.4082
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.75713e-006	0.431183
Pore Water Pressure [ksf]	0.235435	2.1107
Excess Pore Water Pressure [ksf]	0.00848389	0.0363392
Degree of Consolidation [%]	0	31.2282
Pre-consolidation Stress [ksf]	0.0209593	4.94948
Over-consolidation Ratio	1	4.00114
Void Ratio	1.12948	6.11007
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00209964

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-2.43378e-005	1.36895
Total Consolidation Settlement [in]	-2.43378e-005	1.36895
Virgin Consolidation Settlement [in]	0	0.920006
Recompression Consolidation Settlement [in]	-2.43378e-005	0.448947
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0829816	0.158351
Loading Stress XX [ksf]	0.0722098	0.178654
Loading Stress YY [ksf]	0.168007	0.27237
Effective Stress ZZ [ksf]	0.0255559	1.23767
Effective Stress XX [ksf]	0.0519123	1.29245
Effective Stress YY [ksf]	0.0821062	1.31638
Total Stress ZZ [ksf]	0.266961	3.35385
Total Stress XX [ksf]	0.296227	3.40864
Total Stress YY [ksf]	0.325605	3.43256
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.55117e-005	0.505916
Pore Water Pressure [ksf]	0.237656	2.11618
Excess Pore Water Pressure [ksf]	0.007683	0.0483241
Degree of Consolidation [%]	0	36.9774
Pre-consolidation Stress [ksf]	0.0308079	4.94948
Over-consolidation Ratio	1	4.00181
Void Ratio	1.12925	6.11011
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00347657

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.01271e-005	1.73033
Total Consolidation Settlement [in]	-4.01271e-005	1.73033
Virgin Consolidation Settlement [in]	0	1.19031
Recompression Consolidation Settlement [in]	-4.01271e-005	0.540023
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.097964	0.197845
Loading Stress XX [ksf]	0.0943224	0.224399
Loading Stress YY [ksf]	0.216816	0.339156
Effective Stress ZZ [ksf]	0.026638	1.23751
Effective Stress XX [ksf]	0.0611603	1.30633
Effective Stress YY [ksf]	0.101652	1.3347
Total Stress ZZ [ksf]	0.279073	3.35844
Total Stress XX [ksf]	0.316998	3.42726
Total Stress YY [ksf]	0.354563	3.45563
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.11416e-005	0.56028
Pore Water Pressure [ksf]	0.239511	2.12093
Excess Pore Water Pressure [ksf]	0.00676079	0.0601068
Degree of Consolidation [%]	0	38.2966
Pre-consolidation Stress [ksf]	0.0411919	4.94948
Over-consolidation Ratio	1	4.00241
Void Ratio	1.12905	6.11015
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00386778

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.90425e-005	2.02893
Total Consolidation Settlement [in]	-5.90425e-005	2.02893
Virgin Consolidation Settlement [in]	0	1.40619
Recompression Consolidation Settlement [in]	-5.90425e-005	0.622737
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.110403	0.237125
Loading Stress XX [ksf]	0.119154	0.270339
Loading Stress YY [ksf]	0.270221	0.405066
Effective Stress ZZ [ksf]	0.0281231	1.23735
Effective Stress XX [ksf]	0.0717748	1.32025
Effective Stress YY [ksf]	0.121617	1.35246
Total Stress ZZ [ksf]	0.291118	3.36226
Total Stress XX [ksf]	0.338208	3.44516
Total Stress YY [ksf]	0.384535	3.47736
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.74606e-005	0.60409
Pore Water Pressure [ksf]	0.240994	2.12491
Excess Pore Water Pressure [ksf]	0.00572372	0.0715037
Degree of Consolidation [%]	0	38.3813
Pre-consolidation Stress [ksf]	0.0517844	4.94948
Over-consolidation Ratio	1	4.00284
Void Ratio	1.12887	6.11017
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00419579

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.03573e-005	2.28217
Total Consolidation Settlement [in]	-8.03573e-005	2.28217
Virgin Consolidation Settlement [in]	0	1.58321
Recompression Consolidation Settlement [in]	-8.03573e-005	0.698966
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.120225	0.275752
Loading Stress XX [ksf]	0.147662	0.316261
Loading Stress YY [ksf]	0.329777	0.468998
Effective Stress ZZ [ksf]	0.0299896	1.23718
Effective Stress XX [ksf]	0.0839395	1.33417
Effective Stress YY [ksf]	0.143608	1.36969
Total Stress ZZ [ksf]	0.302964	3.36527
Total Stress XX [ksf]	0.360108	3.46226
Total Stress YY [ksf]	0.415957	3.49778
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.4518e-005	0.640258
Pore Water Pressure [ksf]	0.242107	2.12808
Excess Pore Water Pressure [ksf]	0.0045877	0.0821458
Degree of Consolidation [%]	0	38.4292
Pre-consolidation Stress [ksf]	0.0625612	4.94948
Over-consolidation Ratio	1	4.00341
Void Ratio	1.12872	6.11021
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00447627

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000103185	2.50077
Total Consolidation Settlement [in]	-0.000103185	2.50077
Virgin Consolidation Settlement [in]	0	1.7312
Recompression Consolidation Settlement [in]	-0.000103185	0.769562
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.127385	0.3123
Loading Stress XX [ksf]	0.181247	0.362124
Loading Stress YY [ksf]	0.396623	0.531445
Effective Stress ZZ [ksf]	0.0322089	1.23702
Effective Stress XX [ksf]	0.0978249	1.34807
Effective Stress YY [ksf]	0.167316	1.38652
Total Stress ZZ [ksf]	0.314172	3.36746
Total Stress XX [ksf]	0.382749	3.47852
Total Stress YY [ksf]	0.448797	3.51696
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.39897e-005	0.670648
Pore Water Pressure [ksf]	0.242602	2.13045
Excess Pore Water Pressure [ksf]	0.00337774	0.0912855
Degree of Consolidation [%]	0	38.5793
Pre-consolidation Stress [ksf]	0.0685459	4.94948
Over-consolidation Ratio	1	4.00432
Void Ratio	1.1286	6.11024
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00471331

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000148116	2.76873
Total Consolidation Settlement [in]	-0.000148116	2.76873
Virgin Consolidation Settlement [in]	0	1.8879
Recompression Consolidation Settlement [in]	-0.000148116	0.880828
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.0376703	1.23673
Effective Stress XX [ksf]	0.182139	1.39104
Effective Stress YY [ksf]	0.244233	1.42993
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.537635	3.55633
Total Stress YY [ksf]	0.596526	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-157488	10317.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-157488	10317.6
Total Strain	-6.61484e-005	0.695702
Pore Water Pressure [ksf]	0.305187	2.16529
Excess Pore Water Pressure [ksf]	0.0460373	0.156774
Degree of Consolidation [%]	0	28.4902
Pre-consolidation Stress [ksf]	0.0762282	4.94948
Over-consolidation Ratio	1	4.0065
Void Ratio	1.1285	6.11033
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00895615

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000286582	4.31686
Total Consolidation Settlement [in]	-0.000286582	4.31686
Virgin Consolidation Settlement [in]	0	3.33351
Recompression Consolidation Settlement [in]	-0.000286582	0.983351
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.0428084	1.23553
Effective Stress XX [ksf]	0.189309	1.38983
Effective Stress YY [ksf]	0.252358	1.42873
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.545676	3.55633
Total Stress YY [ksf]	0.604566	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-80596.9	1527.64
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-80596.9	1527.64
Total Strain	-0.000160322	0.807075
Pore Water Pressure [ksf]	0.240822	2.16649
Excess Pore Water Pressure [ksf]	0	0.155605
Degree of Consolidation [%]	0	43.2014
Pre-consolidation Stress [ksf]	0.108391	4.94948
Over-consolidation Ratio	1	4.01578
Void Ratio	0.371696	6.11075
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00930667

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000455067	4.83634
Total Consolidation Settlement [in]	-0.000455067	4.83634
Virgin Consolidation Settlement [in]	0	3.6949
Recompression Consolidation Settlement [in]	-0.000455067	1.14144
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.0509674	1.23454
Effective Stress XX [ksf]	0.199369	1.38885
Effective Stress YY [ksf]	0.263187	1.42774
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.548358	3.55633
Total Stress YY [ksf]	0.607249	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-57459.5	343.247
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-57459.5	343.247
Total Strain	-0.000241945	0.806734
Pore Water Pressure [ksf]	0.243505	2.16748
Excess Pore Water Pressure [ksf]	0	0.152315
Degree of Consolidation [%]	0	48.4912
Pre-consolidation Stress [ksf]	0.116674	4.94948
Over-consolidation Ratio	1.00296	4.02384
Void Ratio	0.374121	6.11052
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00979896

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000650628	5.40515
Total Consolidation Settlement [in]	-0.000650628	5.40515
Virgin Consolidation Settlement [in]	0	4.03122
Recompression Consolidation Settlement [in]	-0.000650628	1.37393
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.0641608	1.23336
Effective Stress XX [ksf]	0.212947	1.38767
Effective Stress YY [ksf]	0.276765	1.42656
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.551307	3.55633
Total Stress YY [ksf]	0.610198	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-42734.2	119.158
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-42734.2	119.158
Total Strain	-0.000301166	0.806103
Pore Water Pressure [ksf]	0.246454	2.16866
Excess Pore Water Pressure [ksf]	0	0.150012
Degree of Consolidation [%]	0	54.4746
Pre-consolidation Stress [ksf]	0.125525	4.94948
Over-consolidation Ratio	1	4.0297
Void Ratio	0.378605	6.10542
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0103134

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000583103	6.00286
Total Consolidation Settlement [in]	-0.000583103	6.00286
Virgin Consolidation Settlement [in]	0	4.34235
Recompression Consolidation Settlement [in]	-0.000583103	1.66051
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.0758994	1.23253
Effective Stress XX [ksf]	0.227148	1.38683
Effective Stress YY [ksf]	0.291886	1.42573
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.554417	3.55633
Total Stress YY [ksf]	0.613308	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-36183	381.528
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-36183	381.528
Total Strain	-0.000419859	0.805417
Pore Water Pressure [ksf]	0.249564	2.16949
Excess Pore Water Pressure [ksf]	0	0.14685
Degree of Consolidation [%]	0	60.9053
Pre-consolidation Stress [ksf]	0.136533	4.94948
Over-consolidation Ratio	1	4.04146
Void Ratio	0.383484	6.08528
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0123068

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000451626	6.4559
Total Consolidation Settlement [in]	-0.000451626	6.4559
Virgin Consolidation Settlement [in]	0	4.57752
Recompression Consolidation Settlement [in]	-0.000451626	1.87837
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.0859036	1.23303
Effective Stress XX [ksf]	0.237953	1.38733
Effective Stress YY [ksf]	0.302945	1.42622
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.556767	3.55633
Total Stress YY [ksf]	0.615658	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-39839	151.055
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-39839	151.055
Total Strain	-0.000535308	0.804862
Pore Water Pressure [ksf]	0.251913	2.169
Excess Pore Water Pressure [ksf]	0	0.144157
Degree of Consolidation [%]	0	65.8999
Pre-consolidation Stress [ksf]	0.146228	4.94948
Over-consolidation Ratio	1	4.05294
Void Ratio	0.387433	6.05401
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0127596

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.08563e-006	7.02061
Total Consolidation Settlement [in]	-8.08563e-006	7.02061
Virgin Consolidation Settlement [in]	0	4.81967
Recompression Consolidation Settlement [in]	-8.08563e-006	2.20094
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.10772	1.23735
Effective Stress XX [ksf]	0.260617	1.39165
Effective Stress YY [ksf]	0.325652	1.43055
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.559692	3.55633
Total Stress YY [ksf]	0.618582	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	-219400	5476.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-219400	5476.94
Total Strain	-0.000567364	0.80416
Pore Water Pressure [ksf]	0.254838	2.16468
Excess Pore Water Pressure [ksf]	0	0.1401
Degree of Consolidation [%]	0	72.2412
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1	4.05613
Void Ratio	0.392419	5.99707
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0131357

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.40202
Total Consolidation Settlement [in]	0	7.40202
Virgin Consolidation Settlement [in]	0	4.93101
Recompression Consolidation Settlement [in]	0	2.47102
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.126415	1.24394
Effective Stress XX [ksf]	0.280247	1.39825
Effective Stress YY [ksf]	0.345432	1.43714
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.561678	3.55633
Total Stress YY [ksf]	0.620568	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	33207.4
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	33207.4
Total Strain	-0.000134134	0.803665
Pore Water Pressure [ksf]	0.256824	2.15808
Excess Pore Water Pressure [ksf]	0	0.136196
Degree of Consolidation [%]	0	76.6793
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1	4.0132
Void Ratio	0.39594	5.95465
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0148368

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.88337
Total Consolidation Settlement [in]	0	7.88337
Virgin Consolidation Settlement [in]	0	5.03146
Recompression Consolidation Settlement [in]	0	2.85192
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.127249	1.25784
Effective Stress XX [ksf]	0.304854	1.41214
Effective Stress YY [ksf]	0.363744	1.45104
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.564182	3.55633
Total Stress YY [ksf]	0.623073	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	10029.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	10029.8
Total Strain	0.00012987	0.803024
Pore Water Pressure [ksf]	0.259328	2.14418
Excess Pore Water Pressure [ksf]	0	0.125424
Degree of Consolidation [%]	0	82.3692
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1	3.93681
Void Ratio	0.400498	5.90791
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0151001

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.19473
Total Consolidation Settlement [in]	0	8.19473
Virgin Consolidation Settlement [in]	0	5.0679
Recompression Consolidation Settlement [in]	0	3.12682
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.125634	1.26964
Effective Stress XX [ksf]	0.304854	1.42395
Effective Stress YY [ksf]	0.363744	1.46284
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.565797	3.55633
Total Stress YY [ksf]	0.624688	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6320.68
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6320.68
Total Strain	0.00020608	0.8026
Pore Water Pressure [ksf]	0.260943	2.13238
Excess Pore Water Pressure [ksf]	0	0.111435
Degree of Consolidation [%]	0	86.1648
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1	3.90019
Void Ratio	0.403511	5.88715
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152057

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.41836
Total Consolidation Settlement [in]	0	8.41836
Virgin Consolidation Settlement [in]	0	5.08228
Recompression Consolidation Settlement [in]	0	3.33607
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.12447	1.27898
Effective Stress XX [ksf]	0.304854	1.43329
Effective Stress YY [ksf]	0.363744	1.47218
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.566961	3.55633
Total Stress YY [ksf]	0.625851	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4898.69
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4898.69
Total Strain	0.0002659	0.802291
Pore Water Pressure [ksf]	0.262107	2.12304
Excess Pore Water Pressure [ksf]	0	0.0972425
Degree of Consolidation [%]	0	88.9402
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1	3.87169
Void Ratio	0.405712	5.87515
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152627

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.59965
Total Consolidation Settlement [in]	0	8.59965
Virgin Consolidation Settlement [in]	0	5.08744
Recompression Consolidation Settlement [in]	0	3.51222
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.123539	1.2868
Effective Stress XX [ksf]	0.304854	1.4411
Effective Stress YY [ksf]	0.363744	1.48
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.567892	3.55633
Total Stress YY [ksf]	0.626783	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4127.25
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4127.25
Total Strain	0.000315601	0.80204
Pore Water Pressure [ksf]	0.263038	2.11522
Excess Pore Water Pressure [ksf]	0	0.0826604
Degree of Consolidation [%]	0	91.2156
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1	3.84817
Void Ratio	0.407493	5.86673
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0152986

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.08564
Total Consolidation Settlement [in]	0	9.08564
Virgin Consolidation Settlement [in]	0	5.08924
Recompression Consolidation Settlement [in]	0	3.99639
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.121027	1.30629
Effective Stress XX [ksf]	0.304854	1.4606
Effective Stress YY [ksf]	0.363744	1.49949
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.570404	3.55633
Total Stress YY [ksf]	0.629294	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2972
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2972
Total Strain	0.000438279	0.801354
Pore Water Pressure [ksf]	0.26555	2.09573
Excess Pore Water Pressure [ksf]	0	0.0301792
Degree of Consolidation [%]	0	97.1399
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1.00805	3.79072
Void Ratio	0.412371	5.84825
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153464

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.23415
Total Consolidation Settlement [in]	0	9.23415
Virgin Consolidation Settlement [in]	0	5.08924
Recompression Consolidation Settlement [in]	0	4.1449
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.120258	1.31048
Effective Stress XX [ksf]	0.304854	1.46478
Effective Stress YY [ksf]	0.363744	1.50368
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.571173	3.55633
Total Stress YY [ksf]	0.630064	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2804.9
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2804.9
Total Strain	0.000464388	0.801141
Pore Water Pressure [ksf]	0.266319	2.09154
Excess Pore Water Pressure [ksf]	0	0.0108316
Degree of Consolidation [%]	0	99.3439
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1.0078	3.7786
Void Ratio	0.413889	5.84309
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153464

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.31002
Total Consolidation Settlement [in]	0	9.31002
Virgin Consolidation Settlement [in]	0	5.08924
Recompression Consolidation Settlement [in]	0	4.22077
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.119853	1.31157
Effective Stress XX [ksf]	0.304854	1.46588
Effective Stress YY [ksf]	0.363744	1.50477
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.571578	3.55633
Total Stress YY [ksf]	0.630469	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2764.44
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2764.44
Total Strain	0.000471185	0.801028
Pore Water Pressure [ksf]	0.266724	2.09045
Excess Pore Water Pressure [ksf]	0	0.00153853
Degree of Consolidation [%]	0	99.9692
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1.00479	3.77546
Void Ratio	0.41469	5.8399
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153464

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.32238
Total Consolidation Settlement [in]	0	9.32238
Virgin Consolidation Settlement [in]	0	5.08924
Recompression Consolidation Settlement [in]	0	4.23314
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.119784	1.31162
Effective Stress XX [ksf]	0.304854	1.46593
Effective Stress YY [ksf]	0.363744	1.50482
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.571648	3.55633
Total Stress YY [ksf]	0.630538	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2762.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2762.52
Total Strain	0.000471512	0.801009
Pore Water Pressure [ksf]	0.266794	2.0904
Excess Pore Water Pressure [ksf]	0	1.192e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1.00428	3.7753
Void Ratio	0.414828	5.83936
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153464

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.32248
Total Consolidation Settlement [in]	0	9.32248
Virgin Consolidation Settlement [in]	0	5.08924
Recompression Consolidation Settlement [in]	0	4.23323
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.163394	0.39451
Loading Stress XX [ksf]	0.276247	0.4213
Loading Stress YY [ksf]	0.493859	0.60621
Effective Stress ZZ [ksf]	0.119783	1.31162
Effective Stress XX [ksf]	0.304854	1.46593
Effective Stress YY [ksf]	0.363744	1.50482
Total Stress ZZ [ksf]	0.386578	3.40202
Total Stress XX [ksf]	0.571648	3.55633
Total Stress YY [ksf]	0.630539	3.59522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2762.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2762.52
Total Strain	0.000471512	0.801009
Pore Water Pressure [ksf]	0.266794	2.0904
Excess Pore Water Pressure [ksf]	-1.50679e-009	3.34557e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.147144	4.94948
Over-consolidation Ratio	1.00428	3.7753
Void Ratio	0.414829	5.83936
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153464

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 36000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
17.5	1000
17.5	0
33.5647	0
37.4353	0
53.5	0
53.5	1000
37.4353	1000
33.5647	1000

Embankments

1. Embankment: "Embankment Load to +2.5"

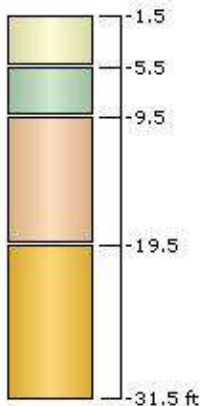
Label Embankment Load to +2.5'
 Center Line (35.5, 0) to (35.5, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.09	14	0
2	Stage 2 = 2 d	0	14	0.44	0.09	14	0
3	Stage 3 = 3 d	0	14	0.44	0.09	14	0
4	Stage 4 = 4 d	0	14	0.44	0.09	14	0
5	Stage 5 = 5 d	0	14	0.44	0.09	14	0
6	Stage 6 = 6 d	0	14	0.44	0.09	14	0
7	Stage 7 = 7 d	0	14	0.44	0.09	14	0
8	Stage 8 = 8 d	0	14	0.44	0.09	14	0
9	Stage 9 = 10 d	0	14	0.48	0.09	14	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black and Gray Organic Clay (OH)	4	1.5	No
2	Very Soft Gray Fat Clay (CH)	4	5.5	No
3	Very Soft Gray Fat Clay (CH) 2	10	9.5	Yes
4	Medium to Stiff Gray Clay	12	19.5	No



Soil Properties

Property	Very Soft Black and Gray Organic Clay (OH)	Very Soft Gray Fat Clay (CH)	Very Soft Gray Fat Clay (CH) 2	Medium to Stiff Gray Clay
Color				
Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.13	2.86	0.45	0.21
Cr	0.56	0.51	0.08	0.04
e0	6.11	4.44	1.53	1.13
OCR	4	4	2.66	4
Cv [ft ² /d]	0.03	0.03	0.085	0.19
Cvr [ft ² /d]	0.03	0.03	0.085	0.19
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 57

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-17 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	03/11/18

Comments

II-6A
 B-17 (Cell 4)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0452212	0.0603
Loading Stress XX [ksf]	0.0252485	0.0631588
Loading Stress YY [ksf]	0.0591715	0.103766
Effective Stress ZZ [ksf]	0	1.238
Effective Stress XX [ksf]	0.00774287	1.25737
Effective Stress YY [ksf]	0.0181459	1.26978
Total Stress ZZ [ksf]	0.236892	3.34227
Total Stress XX [ksf]	0.244635	3.36164
Total Stress YY [ksf]	0.255038	3.37404
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0.236892	2.10427
Excess Pore Water Pressure [ksf]	0.0138678	0.018492
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.002816	4.94948
Over-consolidation Ratio	2.66	4
Void Ratio	1.13	6.11
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.30104e-006	0.745703
Total Consolidation Settlement [in]	-5.30104e-006	0.745703
Virgin Consolidation Settlement [in]	0	0.488604
Recompression Consolidation Settlement [in]	-5.30104e-006	0.257099
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0872353	0.120599
Loading Stress XX [ksf]	0.0520093	0.127883
Loading Stress YY [ksf]	0.121037	0.207446
Effective Stress ZZ [ksf]	0.0114047	1.23789
Effective Stress XX [ksf]	0.0282124	1.27711
Effective Stress YY [ksf]	0.0497044	1.30123
Total Stress ZZ [ksf]	0.255384	3.35515
Total Stress XX [ksf]	0.275211	3.39437
Total Stress YY [ksf]	0.296379	3.41849
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.94328e-006	0.379834
Pore Water Pressure [ksf]	0.240769	2.11726
Excess Pore Water Pressure [ksf]	0.0160017	0.0369639
Degree of Consolidation [%]	0	24.8407
Pre-consolidation Stress [ksf]	0.0160227	4.94948
Over-consolidation Ratio	1	4.00105
Void Ratio	1.12955	6.11006
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft^2/d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00206178

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.4839e-005	1.31801
Total Consolidation Settlement [in]	-1.4839e-005	1.31801
Virgin Consolidation Settlement [in]	0	0.899054
Recompression Consolidation Settlement [in]	-1.4839e-005	0.418957
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.125519	0.18089
Loading Stress XX [ksf]	0.0807293	0.19406
Loading Stress YY [ksf]	0.186301	0.310826
Effective Stress ZZ [ksf]	0.0244512	1.23773
Effective Stress XX [ksf]	0.0511077	1.29724
Effective Stress YY [ksf]	0.0839976	1.33219
Total Stress ZZ [ksf]	0.273873	3.36689
Total Stress XX [ksf]	0.305485	3.4264
Total Stress YY [ksf]	0.337861	3.46136
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-1.74083e-005	0.510912
Pore Water Pressure [ksf]	0.243745	2.12917
Excess Pore Water Pressure [ksf]	0.015105	0.0553927
Degree of Consolidation [%]	0	31.6208
Pre-consolidation Stress [ksf]	0.0300361	4.94948
Over-consolidation Ratio	1	4.00204
Void Ratio	1.12912	6.11012
Permeability [ft/d]	7.82333e-005	0.118238
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00361034

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.04474e-005	1.81834
Total Consolidation Settlement [in]	-3.04474e-005	1.81834
Virgin Consolidation Settlement [in]	0	1.27639
Recompression Consolidation Settlement [in]	-3.04474e-005	0.541949
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.159542	0.241142
Loading Stress XX [ksf]	0.112054	0.261547
Loading Stress YY [ksf]	0.255943	0.413381
Effective Stress ZZ [ksf]	0.0261995	1.23752
Effective Stress XX [ksf]	0.0651037	1.31773
Effective Stress YY [ksf]	0.111721	1.36243
Total Stress ZZ [ksf]	0.29235	3.37733
Total Stress XX [ksf]	0.33617	3.45753
Total Stress YY [ksf]	0.380296	3.50224
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.81548e-005	0.587471
Pore Water Pressure [ksf]	0.246334	2.1398
Excess Pore Water Pressure [ksf]	0.0139232	0.073707
Degree of Consolidation [%]	0	33.6183
Pre-consolidation Stress [ksf]	0.0452036	4.94948
Over-consolidation Ratio	1	4.00329
Void Ratio	1.12872	6.1102
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00413383

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.15257e-005	2.21395
Total Consolidation Settlement [in]	-5.15257e-005	2.21395
Virgin Consolidation Settlement [in]	0	1.56121
Recompression Consolidation Settlement [in]	-5.15257e-005	0.652745
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.188796	0.301257
Loading Stress XX [ksf]	0.146928	0.330173
Loading Stress YY [ksf]	0.331365	0.514514
Effective Stress ZZ [ksf]	0.0278544	1.23729
Effective Stress XX [ksf]	0.0790045	1.33854
Effective Stress YY [ksf]	0.138777	1.39172
Total Stress ZZ [ksf]	0.310786	3.3863
Total Stress XX [ksf]	0.367353	3.48755
Total Stress YY [ksf]	0.423913	3.54073
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-3.94616e-005	0.644286
Pore Water Pressure [ksf]	0.248344	2.14901
Excess Pore Water Pressure [ksf]	0.0124068	0.0918125
Degree of Consolidation [%]	0	34.204
Pre-consolidation Stress [ksf]	0.0612643	4.94948
Over-consolidation Ratio	1	4.00445
Void Ratio	1.12836	6.11027
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00455969

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	-7.75471e-005	2.53772
Total Consolidation Settlement [in]	-7.75471e-005	2.53772
Virgin Consolidation Settlement [in]	0	1.78455
Recompression Consolidation Settlement [in]	-7.75471e-005	0.753176
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.212837	0.360909
Loading Stress XX [ksf]	0.186727	0.399707
Loading Stress YY [ksf]	0.414536	0.613392
Effective Stress ZZ [ksf]	0.03011	1.23703
Effective Stress XX [ksf]	0.10959	1.3818
Effective Stress YY [ksf]	0.197768	1.44941
Total Stress ZZ [ksf]	0.348124	3.40135
Total Stress XX [ksf]	0.431281	3.54612
Total Stress YY [ksf]	0.51499	3.61373
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.08548e-005	0.68901
Pore Water Pressure [ksf]	0.268926	2.16432
Excess Pore Water Pressure [ksf]	0.0214901	0.127713
Degree of Consolidation [%]	0	30.3806
Pre-consolidation Stress [ksf]	0.0697558	4.94948
Over-consolidation Ratio	1	4.00549
Void Ratio	1.12804	6.11033
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00480844

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000112927	2.94402
Total Consolidation Settlement [in]	-0.000112927	2.94402
Virgin Consolidation Settlement [in]	0	2.08367
Recompression Consolidation Settlement [in]	-0.000112927	0.860352
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.231313	0.418992
Loading Stress XX [ksf]	0.233312	0.469756
Loading Stress YY [ksf]	0.507828	0.708917
Effective Stress ZZ [ksf]	0.0331632	1.23666
Effective Stress XX [ksf]	0.164704	1.45149
Effective Stress YY [ksf]	0.300249	1.53758
Total Stress ZZ [ksf]	0.406207	3.41982
Total Stress XX [ksf]	0.538059	3.63465
Total Stress YY [ksf]	0.668475	3.72074
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.79519e-005	0.757602
Pore Water Pressure [ksf]	0.291781	2.18316
Excess Pore Water Pressure [ksf]	0.0270783	0.181805
Degree of Consolidation [%]	0	26.8821
Pre-consolidation Stress [ksf]	0.0827676	4.94948
Over-consolidation Ratio	1	4.00712
Void Ratio	0.723448	6.11043
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00906372

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000160535	3.64037
Total Consolidation Settlement [in]	-0.000160535	3.64037
Virgin Consolidation Settlement [in]	0	2.75239
Recompression Consolidation Settlement [in]	-0.000160535	0.887985
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.244	0.471666
Loading Stress XX [ksf]	0.288605	0.539692
Loading Stress YY [ksf]	0.611812	0.800098
Effective Stress ZZ [ksf]	0.0370017	1.23618
Effective Stress XX [ksf]	0.228986	1.52095
Effective Stress YY [ksf]	0.410802	1.62207
Total Stress ZZ [ksf]	0.458881	3.43251
Total Stress XX [ksf]	0.649635	3.71727
Total Stress YY [ksf]	0.828742	3.8184
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.43555e-005	0.830453
Pore Water Pressure [ksf]	0.289981	2.19632
Excess Pore Water Pressure [ksf]	0.0189172	0.227178
Degree of Consolidation [%]	0	27.8723
Pre-consolidation Stress [ksf]	0.0973383	4.94948
Over-consolidation Ratio	1	4.00948
Void Ratio	0.205476	6.11058
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00915024

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000267521	4.815
Total Consolidation Settlement [in]	-0.000267521	4.815
Virgin Consolidation Settlement [in]	0	3.86369
Recompression Consolidation Settlement [in]	-0.000267521	0.951309
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.0394977	1.23536
Effective Stress XX [ksf]	0.348056	1.59952
Effective Stress YY [ksf]	0.534307	1.70493
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.853701	3.84178
Total Stress YY [ksf]	1.04034	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	-93144.2	5150.76
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-93144.2	5150.76
Total Strain	-0.00016475	0.878445
Pore Water Pressure [ksf]	0.328491	2.24226
Excess Pore Water Pressure [ksf]	0.0555822	0.302629
Degree of Consolidation [%]	0	29.8408
Pre-consolidation Stress [ksf]	0.113814	4.94948
Over-consolidation Ratio	1	4.01622
Void Ratio	-0.135743	6.11092
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00937638

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000491481	6.43042
Total Consolidation Settlement [in]	-0.000491481	6.43042
Virgin Consolidation Settlement [in]	0	5.31122
Recompression Consolidation Settlement [in]	-0.000491481	1.1192
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.0476507	1.23353
Effective Stress XX [ksf]	0.358775	1.59768
Effective Stress YY [ksf]	0.545026	1.70309
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.862072	3.84178
Total Stress YY [ksf]	1.04871	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	-54765.4	712.376
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-54765.4	712.376
Total Strain	-0.000349964	0.93724
Pore Water Pressure [ksf]	0.251749	2.2441
Excess Pore Water Pressure [ksf]	0	0.299553
Degree of Consolidation [%]	0	39.3108
Pre-consolidation Stress [ksf]	0.1408	4.94948
Over-consolidation Ratio	1	4.03453
Void Ratio	-0.553774	6.11178
Permeability [ft/d]	7.82333e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0100125

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000796982	7.15854
Total Consolidation Settlement [in]	-0.000796982	7.15854
Virgin Consolidation Settlement [in]	0	5.79391
Recompression Consolidation Settlement [in]	-0.000796982	1.36462
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.0558232	1.23185
Effective Stress XX [ksf]	0.370175	1.59601
Effective Stress YY [ksf]	0.555496	1.70142
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.865846	3.84178
Total Stress YY [ksf]	1.05248	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	-39742.9	180.634
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-39742.9	180.634
Total Strain	-0.000533685	0.936785
Pore Water Pressure [ksf]	0.255523	2.24577
Excess Pore Water Pressure [ksf]	0	0.29219
Degree of Consolidation [%]	0	43.8136
Pre-consolidation Stress [ksf]	0.1408	4.94948
Over-consolidation Ratio	1.00701	4.05278
Void Ratio	-0.550545	6.11145
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.010883

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.00109803	7.99911
Total Consolidation Settlement [in]	-0.00109803	7.99911
Virgin Consolidation Settlement [in]	0	6.32491
Recompression Consolidation Settlement [in]	-0.00109803	1.6742
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.0705399	1.22985
Effective Stress XX [ksf]	0.392699	1.59401
Effective Stress YY [ksf]	0.575922	1.69942
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.870198	3.84178
Total Stress YY [ksf]	1.05683	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	-29903.3	3727.45
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-29903.3	3727.45
Total Strain	-0.000649309	0.936317
Pore Water Pressure [ksf]	0.259875	2.24778
Excess Pore Water Pressure [ksf]	0	0.287148
Degree of Consolidation [%]	0	49.1366
Pre-consolidation Stress [ksf]	0.164016	4.94948
Over-consolidation Ratio	1	4.0643
Void Ratio	-0.547211	6.10041
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0130286

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.00094475	8.85376
Total Consolidation Settlement [in]	-0.00094475	8.85376
Virgin Consolidation Settlement [in]	0	6.82486
Recompression Consolidation Settlement [in]	-0.00094475	2.02891
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.0844912	1.22862
Effective Stress XX [ksf]	0.409682	1.59278
Effective Stress YY [ksf]	0.591915	1.69819
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.874614	3.84178
Total Stress YY [ksf]	1.06125	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	-25964.1	190.858
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-25964.1	190.858
Total Strain	-0.000881801	0.935786
Pore Water Pressure [ksf]	0.264291	2.249
Excess Pore Water Pressure [ksf]	0	0.279897
Degree of Consolidation [%]	0	54.6081
Pre-consolidation Stress [ksf]	0.186927	4.94948
Over-consolidation Ratio	1	4.08758
Void Ratio	-0.543437	6.05594
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147424

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	-0.000670954	9.57826
Total Consolidation Settlement [in]	-0.000670954	9.57826
Virgin Consolidation Settlement [in]	0	7.29003
Recompression Consolidation Settlement [in]	-0.000670954	2.28823
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.10117	1.22996
Effective Stress XX [ksf]	0.429174	1.59412
Effective Stress YY [ksf]	0.610348	1.69953
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.878356	3.84178
Total Stress YY [ksf]	1.06499	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	-30328.6	2678.25
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	-30328.6	2678.25
Total Strain	-0.00113308	0.935347
Pore Water Pressure [ksf]	0.268032	2.24766
Excess Pore Water Pressure [ksf]	0	0.274342
Degree of Consolidation [%]	0	59.3105
Pre-consolidation Stress [ksf]	0.210955	4.94948
Over-consolidation Ratio	1	4.11288
Void Ratio	-0.540316	5.99793
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0156877

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5857
Total Consolidation Settlement [in]	0	10.5857
Virgin Consolidation Settlement [in]	0	7.87301
Recompression Consolidation Settlement [in]	0	2.71271
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.129086	1.23899
Effective Stress XX [ksf]	0.462923	1.60315
Effective Stress YY [ksf]	0.641211	1.70856
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.883561	3.84178
Total Stress YY [ksf]	1.0702	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	235552
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	235552
Total Strain	-0.00119719	0.934728
Pore Water Pressure [ksf]	0.273238	2.23863
Excess Pore Water Pressure [ksf]	0	0.26631
Degree of Consolidation [%]	0	65.9322
Pre-consolidation Stress [ksf]	0.231904	4.94948
Over-consolidation Ratio	1	4.11936
Void Ratio	-0.535914	5.91747
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166153

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.355
Total Consolidation Settlement [in]	0	11.355
Virgin Consolidation Settlement [in]	0	8.27598
Recompression Consolidation Settlement [in]	0	3.07906
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.150139	1.25232
Effective Stress XX [ksf]	0.487211	1.61648
Effective Stress YY [ksf]	0.663642	1.72189
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.887564	3.84178
Total Stress YY [ksf]	1.0742	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	17044.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	17044.8
Total Strain	-0.000293099	0.934239
Pore Water Pressure [ksf]	0.277241	2.2253
Excess Pore Water Pressure [ksf]	0	0.258791
Degree of Consolidation [%]	0	71.1027
Pre-consolidation Stress [ksf]	0.247232	4.94948
Over-consolidation Ratio	1	4.0289
Void Ratio	-0.532442	5.84793
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0186789

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4959
Total Consolidation Settlement [in]	0	12.4959
Virgin Consolidation Settlement [in]	0	8.8428
Recompression Consolidation Settlement [in]	0	3.65308
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.189321	1.28011
Effective Stress XX [ksf]	0.529785	1.64427
Effective Stress YY [ksf]	0.704291	1.74967
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.8935	3.84178
Total Stress YY [ksf]	1.08014	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5872.06
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5872.06
Total Strain	0.000273174	0.933491
Pore Water Pressure [ksf]	0.283177	2.19752
Excess Pore Water Pressure [ksf]	0	0.23677
Degree of Consolidation [%]	0	78.927
Pre-consolidation Stress [ksf]	0.270481	4.94948
Over-consolidation Ratio	1	3.86824
Void Ratio	-0.527123	5.78467
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.020184

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2496
Total Consolidation Settlement [in]	0	13.2496
Virgin Consolidation Settlement [in]	0	9.16148
Recompression Consolidation Settlement [in]	0	4.08813
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.227804	1.30363
Effective Stress XX [ksf]	0.571209	1.66779
Effective Stress YY [ksf]	0.743368	1.7732
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.897409	3.84178
Total Stress YY [ksf]	1.08405	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	3803.47
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3803.47
Total Strain	0.000421745	0.932988
Pore Water Pressure [ksf]	0.287086	2.17399
Excess Pore Water Pressure [ksf]	0	0.208162
Degree of Consolidation [%]	0	84.2463
Pre-consolidation Stress [ksf]	0.283892	4.94948
Over-consolidation Ratio	1	3.79841
Void Ratio	-0.523545	5.70333
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213743

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.7759
Total Consolidation Settlement [in]	0	13.7759
Virgin Consolidation Settlement [in]	0	9.3699
Recompression Consolidation Settlement [in]	0	4.40602
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.254168	1.32224
Effective Stress XX [ksf]	0.607714	1.68639
Effective Stress YY [ksf]	0.778903	1.7918
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.900148	3.84178
Total Stress YY [ksf]	1.08678	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2985.06
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2985.06
Total Strain	0.000537374	0.93263
Pore Water Pressure [ksf]	0.289825	2.15539
Excess Pore Water Pressure [ksf]	0	0.178326
Degree of Consolidation [%]	0	88.0306
Pre-consolidation Stress [ksf]	0.284334	4.94948
Over-consolidation Ratio	1	3.74494
Void Ratio	-0.520999	5.63913
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0222143

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.1828
Total Consolidation Settlement [in]	0	14.1828
Virgin Consolidation Settlement [in]	0	9.51546
Recompression Consolidation Settlement [in]	0	4.66737
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.25205	1.3378
Effective Stress XX [ksf]	0.610323	1.70195
Effective Stress YY [ksf]	0.796959	1.80736
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.902266	3.84178
Total Stress YY [ksf]	1.0889	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2534.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2534.8
Total Strain	0.000632829	0.93235
Pore Water Pressure [ksf]	0.291943	2.13983
Excess Pore Water Pressure [ksf]	0	0.147491
Degree of Consolidation [%]	0	90.996
Pre-consolidation Stress [ksf]	0.284489	4.94948
Over-consolidation Ratio	1	3.70136
Void Ratio	-0.519008	5.59587
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0231783

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.1263
Total Consolidation Settlement [in]	0	15.1263
Virgin Consolidation Settlement [in]	0	9.82302
Recompression Consolidation Settlement [in]	0	5.30332
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.247192	1.37661
Effective Stress XX [ksf]	0.610323	1.74077
Effective Stress YY [ksf]	0.796959	1.84618
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.907125	3.84178
Total Stress YY [ksf]	1.09376	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1851.9
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1851.9
Total Strain	0.000866187	0.931697
Pore Water Pressure [ksf]	0.296801	2.10102
Excess Pore Water Pressure [ksf]	0	0.0433345
Degree of Consolidation [%]	0	97.9455
Pre-consolidation Stress [ksf]	0.284489	4.94948
Over-consolidation Ratio	1	3.59696
Void Ratio	-0.514366	5.50283
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0239085

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3281
Total Consolidation Settlement [in]	0	15.3281
Virgin Consolidation Settlement [in]	0	9.87498
Recompression Consolidation Settlement [in]	0	5.45312
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.246153	1.38495
Effective Stress XX [ksf]	0.610323	1.7491
Effective Stress YY [ksf]	0.796959	1.85451
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.908164	3.84178
Total Stress YY [ksf]	1.0948	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1752.25
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1752.25
Total Strain	0.000915448	0.931556
Pore Water Pressure [ksf]	0.29784	2.09268
Excess Pore Water Pressure [ksf]	0	0.0112426
Degree of Consolidation [%]	0	99.5134
Pre-consolidation Stress [ksf]	0.284489	4.94948
Over-consolidation Ratio	1	3.5753
Void Ratio	-0.51336	5.4865
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0240457

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3881
Total Consolidation Settlement [in]	0	15.3881
Virgin Consolidation Settlement [in]	0	9.88894
Recompression Consolidation Settlement [in]	0	5.49919
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.245831	1.38712
Effective Stress XX [ksf]	0.610323	1.75128
Effective Stress YY [ksf]	0.796959	1.85669
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.908486	3.84178
Total Stress YY [ksf]	1.09512	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1728.09
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1728.09
Total Strain	0.000928247	0.931512
Pore Water Pressure [ksf]	0.298162	2.0905
Excess Pore Water Pressure [ksf]	0	0.000713235
Degree of Consolidation [%]	0	99.9706
Pre-consolidation Stress [ksf]	0.284489	4.94948
Over-consolidation Ratio	1	3.56969
Void Ratio	-0.513047	5.48198
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0240849

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.392
Total Consolidation Settlement [in]	0	15.392
Virgin Consolidation Settlement [in]	0	9.88982
Recompression Consolidation Settlement [in]	0	5.50223
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.245807	1.38723
Effective Stress XX [ksf]	0.610323	1.75138
Effective Stress YY [ksf]	0.796959	1.85679
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.908509	3.84178
Total Stress YY [ksf]	1.09514	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1726.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1726.94
Total Strain	0.000928864	0.931508
Pore Water Pressure [ksf]	0.298186	2.0904
Excess Pore Water Pressure [ksf]	-6.02293e-007	1.46894e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.284489	4.94948
Over-consolidation Ratio	1	3.56942
Void Ratio	-0.513024	5.48169
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0240874

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3921
Total Consolidation Settlement [in]	0	15.3921
Virgin Consolidation Settlement [in]	0	9.88982
Recompression Consolidation Settlement [in]	0	5.50224
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.289117	0.556778
Loading Stress XX [ksf]	0.401488	0.619088
Loading Stress YY [ksf]	0.732224	0.893443
Effective Stress ZZ [ksf]	0.245807	1.38723
Effective Stress XX [ksf]	0.610323	1.75138
Effective Stress YY [ksf]	0.796959	1.85679
Total Stress ZZ [ksf]	0.543993	3.47763
Total Stress XX [ksf]	0.908509	3.84178
Total Stress YY [ksf]	1.09514	3.94719
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1726.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1726.94
Total Strain	0.000928865	0.931508
Pore Water Pressure [ksf]	0.298186	2.0904
Excess Pore Water Pressure [ksf]	-5.73882e-007	1.13302e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.284489	4.94948
Over-consolidation Ratio	1	3.56942
Void Ratio	-0.513024	5.48169
Permeability [ft/d]	7.82333e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0240874

Loads

1. Polygonal Load: "ACBM"

Label	ACBM
Load Type	Flexible
Area of Load	52000 ft ²
Load	0.05 ksf
Depth	1.5 ft
Installation Stage	Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
9.5	1000
9.5	0
33.5647	0
37.4353	0
61.5	0
61.5	1000
37.4353	1000
33.5647	1000

Embankments

1. Embankment: "Embankment Load to +4.5"

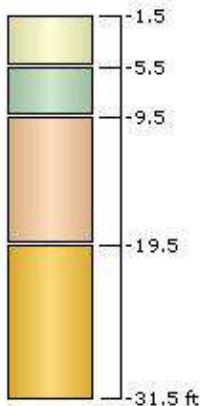
Label	Embankment Load to +4.5'
Center Line	(35.5, 0) to (35.5, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.09	14	0
2	Stage 2 = 2 d	0	14	0.67	0.09	14	0
3	Stage 3 = 3 d	0	14	0.67	0.09	14	0
4	Stage 4 = 4 d	0	14	0.67	0.09	14	0
5	Stage 5 = 5 d	0	14	0.67	0.09	14	0
6	Stage 6 = 6 d	0	14	0.67	0.09	14	0
7	Stage 7 = 7 d	0	14	0.67	0.09	14	0
8	Stage 8 = 8 d	0	14	0.67	0.09	14	0
9	Stage 9 = 10 d	0	14	0.64	0.09	14	0





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black and Gray Organic Clay (OH)	4	1.5	No
2	Very Soft Gray Fat Clay (CH)	4	5.5	No
3	Very Soft Gray Fat Clay (CH) 2	10	9.5	Yes
4	Medium to Stiff Gray Clay	12	19.5	No



Soil Properties

Property	Very Soft Black and Gray Organic Clay (OH)	Very Soft Gray Fat Clay (CH)	Very Soft Gray Fat Clay (CH) 2	Medium to Stiff Gray Clay
Color				
Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.13	2.86	0.45	0.21
Cr	0.56	0.51	0.08	0.04
e0	6.11	4.44	1.53	1.13
OCR	4	4	2.66	4
Cv [ft ² /d]	0.03	0.03	0.085	0.19
Cvr [ft ² /d]	0.03	0.03	0.085	0.19
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
2	Embankment Query	35.5, 500	Auto: 57

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-18 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-7A
 B-18/C-20 (Cell 4)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00146513
Total Consolidation Settlement [in]	-0.00105946	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00105946	0
Immediate Settlement [in]	0	0.00146513
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0156332	0.0395664
Loading Stress XX [ksf]	0.0190522	0.0454966
Loading Stress YY [ksf]	0.0442633	0.0688239
Effective Stress ZZ [ksf]	-7.61866e-006	2.415
Effective Stress XX [ksf]	0.00584268	2.42895
Effective Stress YY [ksf]	0.0135741	2.43369
Total Stress ZZ [ksf]	0.230534	5.75819
Total Stress XX [ksf]	0.236384	5.77215
Total Stress YY [ksf]	0.244115	5.77688
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000150939	1.85119e-005
Pore Water Pressure [ksf]	0.230541	3.34319
Excess Pore Water Pressure [ksf]	0.00479418	0.0121337
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	7.97342
Over-consolidation Ratio	1	4.01739
Void Ratio	0	5.99106
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft^2/d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.424703
Total Consolidation Settlement [in]	0	0.421915
Virgin Consolidation Settlement [in]	0	0.203906
Recompression Consolidation Settlement [in]	0	0.218009
Immediate Settlement [in]	0	0.00278807
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0297296	0.079113
Loading Stress XX [ksf]	0.0393264	0.0911007
Loading Stress YY [ksf]	0.0907493	0.137733
Effective Stress ZZ [ksf]	0.00960166	2.41979
Effective Stress XX [ksf]	0.0224054	2.44773
Effective Stress YY [ksf]	0.038493	2.45686
Total Stress ZZ [ksf]	0.242661	5.76252
Total Stress XX [ksf]	0.256935	5.79045
Total Stress YY [ksf]	0.272704	5.79958
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000124131	0.133182
Pore Water Pressure [ksf]	0.232741	3.34272
Excess Pore Water Pressure [ksf]	0.0043229	0.0241803
Degree of Consolidation [%]	0	51.4805
Pre-consolidation Stress [ksf]	0.0109277	7.97342
Over-consolidation Ratio	1	4.0143
Void Ratio	0	5.99087
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0023463

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.853811
Total Consolidation Settlement [in]	0	0.849846
Virgin Consolidation Settlement [in]	0	0.509135
Recompression Consolidation Settlement [in]	0	0.340711
Immediate Settlement [in]	0	0.0039649
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0422539	0.118618
Loading Stress XX [ksf]	0.0610947	0.136746
Loading Stress YY [ksf]	0.140006	0.20662
Effective Stress ZZ [ksf]	0.0153413	2.42412
Effective Stress XX [ksf]	0.0355104	2.46605
Effective Stress YY [ksf]	0.0602047	2.47924
Total Stress ZZ [ksf]	0.254776	5.76636
Total Stress XX [ksf]	0.27796	5.80829
Total Stress YY [ksf]	0.302159	5.82148
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000249869	0.260363
Pore Water Pressure [ksf]	0.234963	3.34224
Excess Pore Water Pressure [ksf]	0.0038408	0.0361616
Degree of Consolidation [%]	0	69.1417
Pre-consolidation Stress [ksf]	0.0211045	7.97342
Over-consolidation Ratio	1	4.02871
Void Ratio	0	5.99174
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00354153

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.27363
Total Consolidation Settlement [in]	0	1.26864
Virgin Consolidation Settlement [in]	0	0.807288
Recompression Consolidation Settlement [in]	0	0.461352
Immediate Settlement [in]	0	0.00499234
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0531776	0.158027
Loading Stress XX [ksf]	0.0847381	0.182376
Loading Stress YY [ksf]	0.192748	0.275166
Effective Stress ZZ [ksf]	0.0192444	2.42796
Effective Stress XX [ksf]	0.0483779	2.48389
Effective Stress YY [ksf]	0.0831024	2.50085
Total Stress ZZ [ksf]	0.266862	5.76971
Total Stress XX [ksf]	0.299482	5.82564
Total Stress YY [ksf]	0.332605	5.8426
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000382257	0.327973
Pore Water Pressure [ksf]	0.23712	3.34175
Excess Pore Water Pressure [ksf]	0.00334991	0.0479997
Degree of Consolidation [%]	0	78.2591
Pre-consolidation Stress [ksf]	0.0291283	7.97342
Over-consolidation Ratio	1	4.04146
Void Ratio	0	5.99238
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00458723

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.64648
Total Consolidation Settlement [in]	0	1.64062
Virgin Consolidation Settlement [in]	0	1.07945
Recompression Consolidation Settlement [in]	0	0.561171
Immediate Settlement [in]	0	0.00586787
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0624788	0.197211
Loading Stress XX [ksf]	0.110822	0.227998
Loading Stress YY [ksf]	0.249838	0.343755
Effective Stress ZZ [ksf]	0.021349	2.43131
Effective Stress XX [ksf]	0.0595011	2.50123
Effective Stress YY [ksf]	0.104102	2.5217
Total Stress ZZ [ksf]	0.278878	5.77256
Total Stress XX [ksf]	0.321441	5.84248
Total Stress YY [ksf]	0.364072	5.86296
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000508306	0.383151
Pore Water Pressure [ksf]	0.238994	3.34125
Excess Pore Water Pressure [ksf]	0.0028524	0.0595334
Degree of Consolidation [%]	0	83.9641
Pre-consolidation Stress [ksf]	0.0390543	7.97342
Over-consolidation Ratio	1	4.0533
Void Ratio	0	5.99242
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0054824

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.96432
Total Consolidation Settlement [in]	0	1.95773
Virgin Consolidation Settlement [in]	0	1.29921
Recompression Consolidation Settlement [in]	0	0.658529
Immediate Settlement [in]	0	0.00658975
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0701435	0.235832
Loading Stress XX [ksf]	0.140235	0.273814
Loading Stress YY [ksf]	0.31211	0.411268
Effective Stress ZZ [ksf]	0.0241719	2.43416
Effective Stress XX [ksf]	0.0723985	2.51813
Effective Stress YY [ksf]	0.127296	2.54181
Total Stress ZZ [ksf]	0.290722	5.77491
Total Stress XX [ksf]	0.343959	5.85888
Total Stress YY [ksf]	0.396668	5.88257
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000635307	0.427975
Pore Water Pressure [ksf]	0.240476	3.34075
Excess Pore Water Pressure [ksf]	0.0023505	0.0705609
Degree of Consolidation [%]	0	87.9816
Pre-consolidation Stress [ksf]	0.04901	7.97342
Over-consolidation Ratio	1	4.06489
Void Ratio	0	5.99151
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00622656

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.24048
Total Consolidation Settlement [in]	0	2.23332
Virgin Consolidation Settlement [in]	0	1.4794
Recompression Consolidation Settlement [in]	0	0.753923
Immediate Settlement [in]	0	0.00715702
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0761647	0.273016
Loading Stress XX [ksf]	0.174397	0.320535
Loading Stress YY [ksf]	0.379648	0.477336
Effective Stress ZZ [ksf]	0.0276429	2.43651
Effective Stress XX [ksf]	0.0873519	2.53481
Effective Stress YY [ksf]	0.152396	2.56111
Total Stress ZZ [ksf]	0.302125	5.77676
Total Stress XX [ksf]	0.367274	5.87505
Total Stress YY [ksf]	0.430218	5.90136
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000739073	0.46473
Pore Water Pressure [ksf]	0.24147	3.34025
Excess Pore Water Pressure [ksf]	0.0018465	0.0806039
Degree of Consolidation [%]	0	91.0608
Pre-consolidation Stress [ksf]	0.0543564	7.97342
Over-consolidation Ratio	1	4.07558
Void Ratio	0	5.98944
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00681978

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.48309
Total Consolidation Settlement [in]	0	2.47552
Virgin Consolidation Settlement [in]	0	1.6318
Recompression Consolidation Settlement [in]	0	0.843718
Immediate Settlement [in]	0	0.00756955
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0805429	0.306571
Loading Stress XX [ksf]	0.215465	0.369951
Loading Stress YY [ksf]	0.449839	0.539686
Effective Stress ZZ [ksf]	0.0299944	2.43836
Effective Stress XX [ksf]	0.105322	2.55181
Effective Stress YY [ksf]	0.178745	2.57927
Total Stress ZZ [ksf]	0.312415	5.7781
Total Stress XX [ksf]	0.391419	5.89155
Total Stress YY [ksf]	0.463293	5.91901
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000807002	0.494951
Pore Water Pressure [ksf]	0.241617	3.33974
Excess Pore Water Pressure [ksf]	0.00134265	0.0889056
Degree of Consolidation [%]	0	93.5859
Pre-consolidation Stress [ksf]	0.0594019	7.97342
Over-consolidation Ratio	1	4.08261
Void Ratio	0	5.98606
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00734136

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.98423
Total Consolidation Settlement [in]	0	2.9696
Virgin Consolidation Settlement [in]	0	2.01279
Recompression Consolidation Settlement [in]	0	0.956812
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.0330054	2.4397
Effective Stress XX [ksf]	0.191904	2.59762
Effective Stress YY [ksf]	0.246668	2.61636
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.548621	5.95912
Total Stress YY [ksf]	0.60119	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5674.55
Total Strain	-0.000922096	0.518238
Pore Water Pressure [ksf]	0.302083	3.3615
Excess Pore Water Pressure [ksf]	0.0230959	0.151762
Degree of Consolidation [%]	0	51.603
Pre-consolidation Stress [ksf]	0.0693559	7.97342
Over-consolidation Ratio	1	4.09454
Void Ratio	0	5.97384
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00764102

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.55768
Total Consolidation Settlement [in]	0	4.54305
Virgin Consolidation Settlement [in]	0	3.24643
Recompression Consolidation Settlement [in]	0	1.29662
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.0381309	2.4628
Effective Stress XX [ksf]	0.198936	2.62072
Effective Stress YY [ksf]	0.254058	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.556802	5.95912
Total Stress YY [ksf]	0.609372	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2952.33
Total Strain	-0.00126228	0.624695
Pore Water Pressure [ksf]	0.242127	3.3384
Excess Pore Water Pressure [ksf]	0	0.150019
Degree of Consolidation [%]	0	99.1839
Pre-consolidation Stress [ksf]	0.0966242	7.97342
Over-consolidation Ratio	1	4.12996
Void Ratio	0	5.93344
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00953215

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.31994
Total Consolidation Settlement [in]	0	5.30531
Virgin Consolidation Settlement [in]	0	3.6254
Recompression Consolidation Settlement [in]	0	1.67991
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.0459257	2.4628
Effective Stress XX [ksf]	0.208435	2.62072
Effective Stress YY [ksf]	0.263856	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.560769	5.95912
Total Stress YY [ksf]	0.613339	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2945.92
Total Strain	1.04018e-005	0.624594
Pore Water Pressure [ksf]	0.246094	3.3384
Excess Pore Water Pressure [ksf]	0	0.147748
Degree of Consolidation [%]	0	99.3997
Pre-consolidation Stress [ksf]	0.106042	7.97342
Over-consolidation Ratio	1	3.96087
Void Ratio	0	5.84493
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0100153

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.19773
Total Consolidation Settlement [in]	0	6.18309
Virgin Consolidation Settlement [in]	0	4.04081
Recompression Consolidation Settlement [in]	0	2.14228
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.0576954	2.4628
Effective Stress XX [ksf]	0.22215	2.62072
Effective Stress YY [ksf]	0.277815	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.565338	5.95912
Total Stress YY [ksf]	0.617908	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2941.94
Total Strain	3.25541e-005	0.622951
Pore Water Pressure [ksf]	0.250663	3.3384
Excess Pore Water Pressure [ksf]	0	0.136869
Degree of Consolidation [%]	0	99.5343
Pre-consolidation Stress [ksf]	0.120396	7.97342
Over-consolidation Ratio	1	3.88541
Void Ratio	0	5.71602
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.87947
Total Consolidation Settlement [in]	0	6.86484
Virgin Consolidation Settlement [in]	0	4.21207
Recompression Consolidation Settlement [in]	0	2.65277
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.0846917	2.4628
Effective Stress XX [ksf]	0.250864	2.62072
Effective Stress YY [ksf]	0.306529	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.568885	5.95912
Total Stress YY [ksf]	0.621455	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2939.19
Total Strain	7.16413e-005	0.62239
Pore Water Pressure [ksf]	0.25421	3.3384
Excess Pore Water Pressure [ksf]	0	0.119068
Degree of Consolidation [%]	0	99.6273
Pre-consolidation Stress [ksf]	0.132111	7.97342
Over-consolidation Ratio	1	3.86797
Void Ratio	0	5.59733
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.34205
Total Consolidation Settlement [in]	0	7.32742
Virgin Consolidation Settlement [in]	0	4.32945
Recompression Consolidation Settlement [in]	0	2.99797
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.109183	2.4628
Effective Stress XX [ksf]	0.27638	2.62072
Effective Stress YY [ksf]	0.332488	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.571293	5.95912
Total Stress YY [ksf]	0.623863	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2937.62
Total Strain	0.000102785	0.621838
Pore Water Pressure [ksf]	0.256618	3.3384
Excess Pore Water Pressure [ksf]	0	0.104453
Degree of Consolidation [%]	0	99.6805
Pre-consolidation Stress [ksf]	0.136372	7.97342
Over-consolidation Ratio	1	3.85413
Void Ratio	0	5.5218
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.94491
Total Consolidation Settlement [in]	0	7.93028
Virgin Consolidation Settlement [in]	0	4.52474
Recompression Consolidation Settlement [in]	0	3.40554
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.120797	2.4628
Effective Stress XX [ksf]	0.310543	2.62072
Effective Stress YY [ksf]	0.366651	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.57443	5.95912
Total Stress YY [ksf]	0.627	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2935.43
Total Strain	0.000149699	0.621132
Pore Water Pressure [ksf]	0.259755	3.3384
Excess Pore Water Pressure [ksf]	0	0.0878154
Degree of Consolidation [%]	0	99.7551
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.83336
Void Ratio	0	5.40564
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.30457
Total Consolidation Settlement [in]	0	8.28993
Virgin Consolidation Settlement [in]	0	4.64325
Recompression Consolidation Settlement [in]	0	3.64669
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.118925	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.576303	5.95912
Total Stress YY [ksf]	0.628873	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2933.74
Total Strain	0.000163661	0.620695
Pore Water Pressure [ksf]	0.261628	3.3384
Excess Pore Water Pressure [ksf]	0	0.0727555
Degree of Consolidation [%]	0	99.8125
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.81704
Void Ratio	0	5.36533
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.6884
Total Consolidation Settlement [in]	0	8.67377
Virgin Consolidation Settlement [in]	0	4.79612
Recompression Consolidation Settlement [in]	0	3.87765
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.116927	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.578301	5.95912
Total Stress YY [ksf]	0.630871	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2931.39
Total Strain	0.000163661	0.620218
Pore Water Pressure [ksf]	0.263626	3.3384
Excess Pore Water Pressure [ksf]	0	0.0495301
Degree of Consolidation [%]	0	99.8925
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.8011
Void Ratio	0	5.30615
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.85374
Total Consolidation Settlement [in]	0	8.83911
Virgin Consolidation Settlement [in]	0	4.85813
Recompression Consolidation Settlement [in]	0	3.98098
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.116069	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579159	5.95912
Total Stress YY [ksf]	0.631729	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2930.03
Total Strain	0.000163661	0.620011
Pore Water Pressure [ksf]	0.264484	3.3384
Excess Pore Water Pressure [ksf]	0	0.0336679
Degree of Consolidation [%]	0	99.939
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79925
Void Ratio	0	5.28237
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.92775
Total Consolidation Settlement [in]	0	8.91312
Virgin Consolidation Settlement [in]	0	4.88002
Recompression Consolidation Settlement [in]	0	4.0331
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115691	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579536	5.95912
Total Stress YY [ksf]	0.632106	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2929.25
Total Strain	0.000163661	0.619918
Pore Water Pressure [ksf]	0.264861	3.3384
Excess Pore Water Pressure [ksf]	0	0.0228824
Degree of Consolidation [%]	0	99.9655
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79919
Void Ratio	0	5.27389
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.96619
Total Consolidation Settlement [in]	0	8.95156
Virgin Consolidation Settlement [in]	0	4.88913
Recompression Consolidation Settlement [in]	0	4.06243
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115496	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579732	5.95912
Total Stress YY [ksf]	0.632302	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2928.78
Total Strain	0.000163661	0.619869
Pore Water Pressure [ksf]	0.265057	3.3384
Excess Pore Water Pressure [ksf]	0	0.0150592
Degree of Consolidation [%]	0	99.9814
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79915
Void Ratio	0	5.27021
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.0103
Total Consolidation Settlement [in]	0	8.99566
Virgin Consolidation Settlement [in]	0	4.8941
Recompression Consolidation Settlement [in]	0	4.10156
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115264	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579964	5.95912
Total Stress YY [ksf]	0.632533	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2928.26
Total Strain	0.000163661	0.619807
Pore Water Pressure [ksf]	0.265288	3.3384
Excess Pore Water Pressure [ksf]	0	0.00143661
Degree of Consolidation [%]	0	99.9994
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79911
Void Ratio	0	5.26807
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.01327
Total Consolidation Settlement [in]	0	8.99864
Virgin Consolidation Settlement [in]	0	4.8941
Recompression Consolidation Settlement [in]	0	4.10453
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115247	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579981	5.95912
Total Stress YY [ksf]	0.632551	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2928.24
Total Strain	0.000163661	0.619802
Pore Water Pressure [ksf]	0.265306	3.3384
Excess Pore Water Pressure [ksf]	0	0.000136946
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79911
Void Ratio	0	5.26809
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.01357
Total Consolidation Settlement [in]	0	8.99894
Virgin Consolidation Settlement [in]	0	4.8941
Recompression Consolidation Settlement [in]	0	4.10484
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115245	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579982	5.95912
Total Stress YY [ksf]	0.632552	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2928.24
Total Strain	0.000163661	0.619801
Pore Water Pressure [ksf]	0.265307	3.3384
Excess Pore Water Pressure [ksf]	0	1.23986e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79911
Void Ratio	0	5.26809
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.01357
Total Consolidation Settlement [in]	0	8.99894
Virgin Consolidation Settlement [in]	0	4.8941
Recompression Consolidation Settlement [in]	0	4.10484
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115245	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579982	5.95912
Total Stress YY [ksf]	0.632552	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2928.24
Total Strain	0.000163661	0.619801
Pore Water Pressure [ksf]	0.265307	3.3384
Excess Pore Water Pressure [ksf]	0	9.19996e-012
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79911
Void Ratio	0	5.26809
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.01357
Total Consolidation Settlement [in]	0	8.99894
Virgin Consolidation Settlement [in]	0	4.8941
Recompression Consolidation Settlement [in]	0	4.10484
Immediate Settlement [in]	0	0.0146332
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104599	0.383631
Loading Stress XX [ksf]	0.320011	0.434154
Loading Stress YY [ksf]	0.512415	0.609844
Effective Stress ZZ [ksf]	0.115245	2.4628
Effective Stress XX [ksf]	0.314675	2.62072
Effective Stress YY [ksf]	0.367245	2.63946
Total Stress ZZ [ksf]	0.380553	5.8012
Total Stress XX [ksf]	0.579982	5.95912
Total Stress YY [ksf]	0.632552	5.97786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	925.003
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2928.24
Total Strain	0.000163661	0.619801
Pore Water Pressure [ksf]	0.265307	3.3384
Excess Pore Water Pressure [ksf]	-1.3808e-019	2.10925e-019
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.139173	7.97342
Over-consolidation Ratio	1	3.79911
Void Ratio	0	5.26809
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01681

Loads

1. Polygonal Load: "ACBM"

Label ACBM
 Load Type Flexible
 Area of Load 72000 ft²
 Load 0.05 ksf
 Depth 1.5 ft
 Installation Stage Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
-18	1000
-18	-1000
-1.81499	-1000
1.81499	-1000
18	-1000
18	1000
1.81499	1000
-1.81499	1000

Embankments

1. Embankment: "Embankment Load to +2.5"

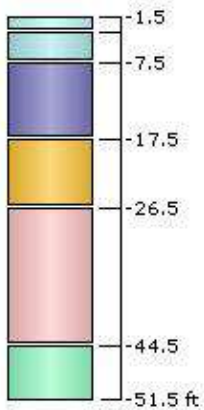
Label Embankment Load to +2.5'
 Center Line (0, -1000) to (0, 1000)
 Number of Layers 9
 Near End Angle 90 degrees
 Far End Angle 90 degrees
 Base Width 36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.09	14	0
2	Stage 2 = 2 d	0	14	0.44	0.09	14	0
3	Stage 3 = 3 d	0	14	0.44	0.09	14	0
4	Stage 4 = 4 d	0	14	0.44	0.09	14	0
5	Stage 5 = 5 d	0	14	0.44	0.09	14	0
6	Stage 6 = 6 d	0	14	0.44	0.09	14	0
7	Stage 7 = 7 d	0	14	0.44	0.09	14	0
8	Stage 8 = 8 d	0	14	0.44	0.09	14	0
9	Stage 9 = 10 d	0	14	0.48	0.09	14	0

Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black Organic Clay (OH)	2	1.5	No
2	Very Soft Black and Gray Fat Clay (CH)	4	3.5	Yes
3	Very Soft Gray Clay	10	7.5	Yes
4	Very Soft to Medium Gray Lean Clay (CL)	9	17.5	Yes
5	Medium to Stiff Gray fat Clay (CH)	18	26.5	Yes
6	Loose to Dense Gray Clayey Sand (SC)	7	44.5	No



Soil Properties

Property	Very Soft Black Organic Clay (OH)	Very Soft Black and Gray Fat Clay (CH)	Very Soft Gray Clay	Very Soft to Medium Gray Lean Clay (CL)
Color				
Unit Weight [kips/ft ³]	0.08	0.08	0.11	0.11
Saturated Unit Weight [kips/ft ³]	0.08	0.08	0.11	0.11
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.11	2.9	0.55	0.36
Cr	0.56	0.52	0.1	0.07
e0	5.99	4.72	1.8	1.32
OCR	4	4	2.2	1.9
Cv [ft ² /d]	0.03	0.03	0.058	0.11
Cvr [ft ² /d]	0.03	0.03	0.058	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium to Stiff Gray fat Clay (CH)	Loose to Dense Gray Clayey Sand (SC)
Color		
Unit Weight [kips/ft ³]	0.12	0.115
Saturated Unit Weight [kips/ft ³]	0.12	0.115
K0	1	1
Immediate Settlement	Disabled	Enabled
Es [ksf]	-	292.396
Esur [ksf]	-	292.396
Primary Consolidation	Enabled	Disabled
Material Type	Non-Linear	
Cc	0.24	-
Cr	0.04	-
e0	1	-
OCR	3.9	-
Cv [ft ² /d]	0.3	-
Cvr [ft ² /d]	0.3	-
B-bar	1	-
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 61

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-18 to +4.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-7A
 B-18/C-20 (Cell 4)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.00298093
Total Consolidation Settlement [in]	-0.00215759	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	-0.00215759	0
Immediate Settlement [in]	0	0.00298093
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0320837	0.0602806
Loading Stress XX [ksf]	0.0279082	0.0679399
Loading Stress YY [ksf]	0.0648674	0.104331
Effective Stress ZZ [ksf]	-1.55008e-005	2.415
Effective Stress XX [ksf]	0.00855853	2.43583
Effective Stress YY [ksf]	0.0198927	2.44514
Total Stress ZZ [ksf]	0.236886	5.76324
Total Stress XX [ksf]	0.24546	5.78407
Total Stress YY [ksf]	0.256794	5.79337
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000307792	3.73354e-005
Pore Water Pressure [ksf]	0.236902	3.34824
Excess Pore Water Pressure [ksf]	0.00983901	0.018486
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	7.97342
Over-consolidation Ratio	1	4.03554
Void Ratio	0	5.99215
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0.63941
Total Consolidation Settlement [in]	0	0.633725
Virgin Consolidation Settlement [in]	0	0.37418
Recompression Consolidation Settlement [in]	0	0.259545
Immediate Settlement [in]	0	0.00568484
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.061106	0.120535
Loading Stress XX [ksf]	0.0577296	0.136523
Loading Stress YY [ksf]	0.132972	0.208571
Effective Stress ZZ [ksf]	0.0109387	2.42484
Effective Stress XX [ksf]	0.0295688	2.46671
Effective Stress YY [ksf]	0.0529591	2.48451
Total Stress ZZ [ksf]	0.255364	5.77214
Total Stress XX [ksf]	0.276402	5.81401
Total Stress YY [ksf]	0.299476	5.83181
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000200976	0.204124
Pore Water Pressure [ksf]	0.240212	3.3473
Excess Pore Water Pressure [ksf]	0.00890017	0.0369141
Degree of Consolidation [%]	0	51.4005
Pre-consolidation Stress [ksf]	0.0157758	7.97342
Over-consolidation Ratio	1	4.02317
Void Ratio	0	5.9914
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00471407

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.20681
Total Consolidation Settlement [in]	0	1.19871
Virgin Consolidation Settlement [in]	0	0.77307
Recompression Consolidation Settlement [in]	0	0.425642
Immediate Settlement [in]	0	0.00809317
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0868918	0.180725
Loading Stress XX [ksf]	0.089937	0.205623
Loading Stress YY [ksf]	0.205145	0.312494
Effective Stress ZZ [ksf]	0.0183316	2.43374
Effective Stress XX [ksf]	0.0484941	2.4968
Effective Stress YY [ksf]	0.0850417	2.52226
Total Stress ZZ [ksf]	0.273822	5.78005
Total Stress XX [ksf]	0.307693	5.8431
Total Stress YY [ksf]	0.343023	5.86857
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000398897	0.329048
Pore Water Pressure [ksf]	0.243148	3.34631
Excess Pore Water Pressure [ksf]	0.00790764	0.0552754
Degree of Consolidation [%]	0	69.1036
Pre-consolidation Stress [ksf]	0.0281321	7.97342
Over-consolidation Ratio	1	4.04593
Void Ratio	0	5.99278
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00710825

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.72739
Total Consolidation Settlement [in]	0	1.7172
Virgin Consolidation Settlement [in]	0	1.15719
Recompression Consolidation Settlement [in]	0	0.560014
Immediate Settlement [in]	0	0.0101895
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.109289	0.240755
Loading Stress XX [ksf]	0.125161	0.275073
Loading Stress YY [ksf]	0.282536	0.415821
Effective Stress ZZ [ksf]	0.0203446	2.44165
Effective Stress XX [ksf]	0.0624683	2.526
Effective Stress YY [ksf]	0.112399	2.55831
Total Stress ZZ [ksf]	0.292232	5.78692
Total Stress XX [ksf]	0.339617	5.87127
Total Stress YY [ksf]	0.387879	5.90358
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000604259	0.40603
Pore Water Pressure [ksf]	0.245812	3.34527
Excess Pore Water Pressure [ksf]	0.00686841	0.0734716
Degree of Consolidation [%]	0	78.3032
Pre-consolidation Stress [ksf]	0.0425242	7.97342
Over-consolidation Ratio	1	4.06573
Void Ratio	0	5.99372
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00919125

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.15167
Total Consolidation Settlement [in]	0	2.13971
Virgin Consolidation Settlement [in]	0	1.44962
Recompression Consolidation Settlement [in]	0	0.690095
Immediate Settlement [in]	0	0.01196
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.128172	0.300387
Loading Stress XX [ksf]	0.16426	0.344657
Loading Stress YY [ksf]	0.366692	0.518094
Effective Stress ZZ [ksf]	0.0235173	2.44852
Effective Stress XX [ksf]	0.078912	2.55421
Effective Stress YY [ksf]	0.143078	2.59261
Total Stress ZZ [ksf]	0.310519	5.79271
Total Stress XX [ksf]	0.372105	5.8984
Total Stress YY [ksf]	0.434185	5.9368
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000799012	0.464856
Pore Water Pressure [ksf]	0.247901	3.34419
Excess Pore Water Pressure [ksf]	0.00579098	0.0913319
Degree of Consolidation [%]	0	84.1145
Pre-consolidation Stress [ksf]	0.0524894	7.97342
Over-consolidation Ratio	1	4.08377
Void Ratio	0	5.9937
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0109562

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.51188
Total Consolidation Settlement [in]	0	2.49698
Virgin Consolidation Settlement [in]	0	1.67928
Recompression Consolidation Settlement [in]	0	0.817708
Immediate Settlement [in]	0	0.0148988
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.14345	0.358985
Loading Stress XX [ksf]	0.208457	0.414192
Loading Stress YY [ksf]	0.459437	0.61892
Effective Stress ZZ [ksf]	0.0277795	2.45431
Effective Stress XX [ksf]	0.11333	2.60369
Effective Stress YY [ksf]	0.20855	2.65328
Total Stress ZZ [ksf]	0.347338	5.80231
Total Stress XX [ksf]	0.438571	5.95169
Total Stress YY [ksf]	0.531155	6.00128
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00100072	0.511014
Pore Water Pressure [ksf]	0.268309	3.348
Excess Pore Water Pressure [ksf]	0.00959947	0.126531
Degree of Consolidation [%]	0	79.3886
Pre-consolidation Stress [ksf]	0.0606267	7.97342
Over-consolidation Ratio	1	4.10268
Void Ratio	0	5.99231
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0119664

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.08108
Total Consolidation Settlement [in]	0	3.06263
Virgin Consolidation Settlement [in]	0	2.14032
Recompression Consolidation Settlement [in]	0	0.922303
Immediate Settlement [in]	0	0.0184572
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.155063	0.414785
Loading Stress XX [ksf]	0.259632	0.48397
Loading Stress YY [ksf]	0.561749	0.717243
Effective Stress ZZ [ksf]	0.0296591	2.46391
Effective Stress XX [ksf]	0.174323	2.68307
Effective Stress YY [ksf]	0.321143	2.74839
Total Stress ZZ [ksf]	0.403138	5.81392
Total Stress XX [ksf]	0.548514	6.03308
Total Stress YY [ksf]	0.692235	6.0984
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00126188	0.574117
Pore Water Pressure [ksf]	0.290257	3.35001
Excess Pore Water Pressure [ksf]	0.0116135	0.177726
Degree of Consolidation [%]	0	79.8918
Pre-consolidation Stress [ksf]	0.0736245	7.97342
Over-consolidation Ratio	1	4.12991
Void Ratio	0	5.98958
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0128094

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.83048
Total Consolidation Settlement [in]	0	3.80959
Virgin Consolidation Settlement [in]	0	2.76891
Recompression Consolidation Settlement [in]	0	1.04068
Immediate Settlement [in]	0	0.0208871
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.162991	0.463041
Loading Stress XX [ksf]	0.321216	0.556483
Loading Stress YY [ksf]	0.669402	0.810472
Effective Stress ZZ [ksf]	0.0310592	2.47552
Effective Stress XX [ksf]	0.240947	2.7672
Effective Stress YY [ksf]	0.430104	2.84288
Total Stress ZZ [ksf]	0.451394	5.82185
Total Stress XX [ksf]	0.662255	6.11352
Total Stress YY [ksf]	0.852044	6.1892
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00164496	0.642596
Pore Water Pressure [ksf]	0.286614	3.34633
Excess Pore Water Pressure [ksf]	0.00792727	0.218946
Degree of Consolidation [%]	0	87.4514
Pre-consolidation Stress [ksf]	0.0815837	7.97342
Over-consolidation Ratio	1	4.17019
Void Ratio	0	5.98545
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0186452

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.98241
Total Consolidation Settlement [in]	0	4.95165
Virgin Consolidation Settlement [in]	0	3.69063
Recompression Consolidation Settlement [in]	0	1.26102
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.0341794	2.48345
Effective Stress XX [ksf]	0.371942	2.86344
Effective Stress YY [ksf]	0.546165	2.92674
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.876526	6.23439
Total Stress YY [ksf]	1.05415	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2739.77
Total Strain	-0.00213665	0.694953
Pore Water Pressure [ksf]	0.325171	3.37095
Excess Pore Water Pressure [ksf]	0.032547	0.29226
Degree of Consolidation [%]	0	67.9762
Pre-consolidation Stress [ksf]	0.100827	7.97342
Over-consolidation Ratio	1	4.22256
Void Ratio	0	5.96683
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.019548

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.72228
Total Consolidation Settlement [in]	0	6.69152
Virgin Consolidation Settlement [in]	0	4.94603
Recompression Consolidation Settlement [in]	0	1.7455
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.0398152	2.51599
Effective Stress XX [ksf]	0.381431	2.89599
Effective Stress YY [ksf]	0.555158	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.885559	6.23439
Total Stress YY [ksf]	1.06318	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1876.83
Total Strain	-0.00297998	0.7574
Pore Water Pressure [ksf]	0.25339	3.3384
Excess Pore Water Pressure [ksf]	0	0.288466
Degree of Consolidation [%]	0	99.2311
Pre-consolidation Stress [ksf]	0.107242	7.97342
Over-consolidation Ratio	1	4.3137
Void Ratio	0	5.89219
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.14079
Total Consolidation Settlement [in]	0	8.11004
Virgin Consolidation Settlement [in]	0	5.84752
Recompression Consolidation Settlement [in]	0	2.26251
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.0465893	2.51599
Effective Stress XX [ksf]	0.395322	2.89599
Effective Stress YY [ksf]	0.566909	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.892941	6.23439
Total Stress YY [ksf]	1.07056	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1873.23
Total Strain	2.32923e-005	0.757062
Pore Water Pressure [ksf]	0.260772	3.3384
Excess Pore Water Pressure [ksf]	0	0.283331
Degree of Consolidation [%]	0	99.4218
Pre-consolidation Stress [ksf]	0.12672	7.97342
Over-consolidation Ratio	1	3.93229
Void Ratio	0	5.73454
Permeability [ft/d]	0	0.205754
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.5406
Total Consolidation Settlement [in]	0	9.50984
Virgin Consolidation Settlement [in]	0	6.55803
Recompression Consolidation Settlement [in]	0	2.95181
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.0689283	2.51599
Effective Stress XX [ksf]	0.419891	2.89599
Effective Stress YY [ksf]	0.591478	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.900223	6.23439
Total Stress YY [ksf]	1.07785	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1870.82
Total Strain	6.93678e-005	0.755577
Pore Water Pressure [ksf]	0.268054	3.3384
Excess Pore Water Pressure [ksf]	0	0.258761
Degree of Consolidation [%]	0	99.5494
Pre-consolidation Stress [ksf]	0.153586	7.97342
Over-consolidation Ratio	1	3.86899
Void Ratio	0	5.36206
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.7501
Total Consolidation Settlement [in]	0	10.7194
Virgin Consolidation Settlement [in]	0	7.07501
Recompression Consolidation Settlement [in]	0	3.64437
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.11261	2.51599
Effective Stress XX [ksf]	0.471404	2.89599
Effective Stress YY [ksf]	0.639448	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.906514	6.23439
Total Stress YY [ksf]	1.08414	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1869.14
Total Strain	0.000148999	0.755162
Pore Water Pressure [ksf]	0.274346	3.3384
Excess Pore Water Pressure [ksf]	0	0.225028
Degree of Consolidation [%]	0	99.6392
Pre-consolidation Stress [ksf]	0.179586	7.97342
Over-consolidation Ratio	1	3.8337
Void Ratio	0	5.09976
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.5405
Total Consolidation Settlement [in]	0	11.5097
Virgin Consolidation Settlement [in]	0	7.43983
Recompression Consolidation Settlement [in]	0	4.06987
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.149907	2.51599
Effective Stress XX [ksf]	0.50983	2.89599
Effective Stress YY [ksf]	0.677874	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.910615	6.23439
Total Stress YY [ksf]	1.08824	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1868.16
Total Strain	0.000215272	0.754685
Pore Water Pressure [ksf]	0.278446	3.3384
Excess Pore Water Pressure [ksf]	0	0.192062
Degree of Consolidation [%]	0	99.6911
Pre-consolidation Stress [ksf]	0.194287	7.97342
Over-consolidation Ratio	1	3.80456
Void Ratio	0	4.95931
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.6114
Total Consolidation Settlement [in]	0	12.5807
Virgin Consolidation Settlement [in]	0	8.06318
Recompression Consolidation Settlement [in]	0	4.51748
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.213075	2.51599
Effective Stress XX [ksf]	0.574521	2.89599
Effective Stress YY [ksf]	0.742565	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.916186	6.23439
Total Stress YY [ksf]	1.09381	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1866.8
Total Strain	0.000310166	0.754079
Pore Water Pressure [ksf]	0.284018	3.3384
Excess Pore Water Pressure [ksf]	0	0.157713
Degree of Consolidation [%]	0	99.7639
Pre-consolidation Stress [ksf]	0.231381	7.97342
Over-consolidation Ratio	1	3.7632
Void Ratio	0	4.80323
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.2765
Total Consolidation Settlement [in]	0	13.2457
Virgin Consolidation Settlement [in]	0	8.50659
Recompression Consolidation Settlement [in]	0	4.73915
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.244729	2.51599
Effective Stress XX [ksf]	0.608752	2.89599
Effective Stress YY [ksf]	0.778523	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.919647	6.23439
Total Stress YY [ksf]	1.09727	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1865.76
Total Strain	0.000345786	0.753706
Pore Water Pressure [ksf]	0.287479	3.3384
Excess Pore Water Pressure [ksf]	0	0.127959
Degree of Consolidation [%]	0	99.8196
Pre-consolidation Stress [ksf]	0.24889	7.97342
Over-consolidation Ratio	1	3.73117
Void Ratio	0	4.70967
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.1332
Total Consolidation Settlement [in]	0	14.1025
Virgin Consolidation Settlement [in]	0	9.16517
Recompression Consolidation Settlement [in]	0	4.93731
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.240271	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.808183	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.924106	6.23439
Total Stress YY [ksf]	1.10173	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1864.32
Total Strain	0.000345786	0.753183
Pore Water Pressure [ksf]	0.291937	3.3384
Excess Pore Water Pressure [ksf]	0	0.0849852
Degree of Consolidation [%]	0	99.8966
Pre-consolidation Stress [ksf]	0.262562	7.97342
Over-consolidation Ratio	1	3.69906
Void Ratio	0	4.63005
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0213312

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.61
Total Consolidation Settlement [in]	0	14.5792
Virgin Consolidation Settlement [in]	0	9.5302
Recompression Consolidation Settlement [in]	0	5.04902
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.237796	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.92658	6.23439
Total Stress YY [ksf]	1.1042	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1863.49
Total Strain	0.000345786	0.752883
Pore Water Pressure [ksf]	0.294412	3.3384
Excess Pore Water Pressure [ksf]	0	0.0558689
Degree of Consolidation [%]	0	99.9414
Pre-consolidation Stress [ksf]	0.265692	7.97342
Over-consolidation Ratio	1	3.69521
Void Ratio	0	4.58662
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0214981

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.8743
Total Consolidation Settlement [in]	0	14.8435
Virgin Consolidation Settlement [in]	0	9.73821
Recompression Consolidation Settlement [in]	0	5.1053
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.236421	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.927955	6.23439
Total Stress YY [ksf]	1.10558	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1863.01
Total Strain	0.000345786	0.752717
Pore Water Pressure [ksf]	0.295787	3.3384
Excess Pore Water Pressure [ksf]	0	0.0366136
Degree of Consolidation [%]	0	99.9669
Pre-consolidation Stress [ksf]	0.266262	7.97342
Over-consolidation Ratio	1	3.6951
Void Ratio	0	4.56131
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0217814

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.0593
Total Consolidation Settlement [in]	0	15.0285
Virgin Consolidation Settlement [in]	0	9.88888
Recompression Consolidation Settlement [in]	0	5.13964
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.235458	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.928918	6.23439
Total Stress YY [ksf]	1.10654	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1862.73
Total Strain	0.000345786	0.752597
Pore Water Pressure [ksf]	0.29675	3.3384
Excess Pore Water Pressure [ksf]	0	0.02314
Degree of Consolidation [%]	0	99.9822
Pre-consolidation Stress [ksf]	0.266537	7.97342
Over-consolidation Ratio	1	3.69503
Void Ratio	0	4.5475
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0244698

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3523
Total Consolidation Settlement [in]	0	15.3215
Virgin Consolidation Settlement [in]	0	10.1327
Recompression Consolidation Settlement [in]	0	5.18879
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.233957	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.930419	6.23439
Total Stress YY [ksf]	1.10804	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1862.41
Total Strain	0.000345786	0.752403
Pore Water Pressure [ksf]	0.298251	3.3384
Excess Pore Water Pressure [ksf]	0	0.00175436
Degree of Consolidation [%]	0	99.9994
Pre-consolidation Stress [ksf]	0.266734	7.97342
Over-consolidation Ratio	1	3.69495
Void Ratio	0	4.5308
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0247554

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3738
Total Consolidation Settlement [in]	0	15.343
Virgin Consolidation Settlement [in]	0	10.1508
Recompression Consolidation Settlement [in]	0	5.19219
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.233826	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.93055	6.23439
Total Stress YY [ksf]	1.10817	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1862.4
Total Strain	0.000345786	0.752385
Pore Water Pressure [ksf]	0.298382	3.3384
Excess Pore Water Pressure [ksf]	0	0.000132852
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.266738	7.97342
Over-consolidation Ratio	1	3.69495
Void Ratio	0	4.52964
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0247777

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3755
Total Consolidation Settlement [in]	0	15.3448
Virgin Consolidation Settlement [in]	0	10.1523
Recompression Consolidation Settlement [in]	0	5.19247
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.233815	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.930561	6.23439
Total Stress YY [ksf]	1.10818	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1862.39
Total Strain	0.000345786	0.752384
Pore Water Pressure [ksf]	0.298392	3.3384
Excess Pore Water Pressure [ksf]	0	7.58142e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.266738	7.97342
Over-consolidation Ratio	1	3.69495
Void Ratio	0	4.52954
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0247795

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3755
Total Consolidation Settlement [in]	0	15.3448
Virgin Consolidation Settlement [in]	0	10.1523
Recompression Consolidation Settlement [in]	0	5.19247
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.233815	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.930561	6.23439
Total Stress YY [ksf]	1.10818	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1862.39
Total Strain	0.000345786	0.752384
Pore Water Pressure [ksf]	0.298392	3.3384
Excess Pore Water Pressure [ksf]	0	1.7457e-012
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.266738	7.97342
Over-consolidation Ratio	1	3.69495
Void Ratio	0	4.52954
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0247795

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3755
Total Consolidation Settlement [in]	0	15.3448
Virgin Consolidation Settlement [in]	0	10.1523
Recompression Consolidation Settlement [in]	0	5.19247
Immediate Settlement [in]	0	0.0307547
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.195538	0.543855
Loading Stress XX [ksf]	0.448674	0.6448
Loading Stress YY [ksf]	0.784694	0.902425
Effective Stress ZZ [ksf]	0.233815	2.51599
Effective Stress XX [ksf]	0.632169	2.89599
Effective Stress YY [ksf]	0.809791	2.95928
Total Stress ZZ [ksf]	0.532208	5.85439
Total Stress XX [ksf]	0.930561	6.23439
Total Stress YY [ksf]	1.10818	6.29768
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	585.623
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1862.39
Total Strain	0.000345786	0.752384
Pore Water Pressure [ksf]	0.298392	3.3384
Excess Pore Water Pressure [ksf]	-7.57e-020	2.79623e-019
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.266738	7.97342
Over-consolidation Ratio	1	3.69495
Void Ratio	0	4.52954
Permeability [ft/d]	0	0.037049
Coefficient of Consolidation [ft ² /d]	0	0.3
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0247795

Loads

1. Polygonal Load: "ACBM"

Label	ACBM
Load Type	Flexible
Area of Load	104000 ft ²
Load	0.05 ksf
Depth	1.5 ft
Installation Stage	Stage 9 = 10 d

Coordinates

X [ft]	Y [ft]
-26	1000
-26	-1000
-1.81499	-1000
1.81499	-1000
26	-1000
26	1000
1.81499	1000
-1.81499	1000

Embankments

1. Embankment: "Embankment Load to +4.5"

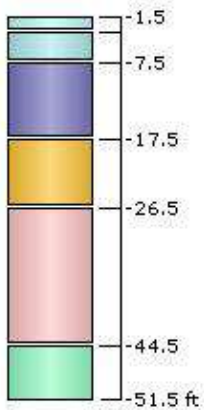
Label	Embankment Load to +4.5'
Center Line	(0, -1000) to (0, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.09	14	0
2	Stage 2 = 2 d	0	14	0.67	0.09	14	0
3	Stage 3 = 3 d	0	14	0.67	0.09	14	0
4	Stage 4 = 4 d	0	14	0.67	0.09	14	0
5	Stage 5 = 5 d	0	14	0.67	0.09	14	0
6	Stage 6 = 6 d	0	14	0.67	0.09	14	0
7	Stage 7 = 7 d	0	14	0.67	0.09	14	0
8	Stage 8 = 8 d	0	14	0.67	0.09	14	0
9	Stage 9 = 10 d	0	14	0.67	0.09	14	0





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Black Organic Clay (OH)	2	1.5	No
2	Very Soft Black and Gray Fat Clay (CH)	4	3.5	Yes
3	Very Soft Gray Clay	10	7.5	Yes
4	Very Soft to Medium Gray Lean Clay (CL)	9	17.5	Yes
5	Medium to Stiff Gray fat Clay (CH)	18	26.5	Yes
6	Loose to Dense Gray Clayey Sand (SC)	7	44.5	No



Soil Properties

Property	Very Soft Black Organic Clay (OH)	Very Soft Black and Gray Fat Clay (CH)	Very Soft Gray Clay	Very Soft to Medium Gray Lean Clay (CL)
Color				
Unit Weight [kips/ft ³]	0.08	0.08	0.11	0.11
Saturated Unit Weight [kips/ft ³]	0.08	0.08	0.11	0.11
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.11	2.9	0.55	0.36
Cr	0.56	0.52	0.1	0.07
e0	5.99	4.72	1.8	1.32
OCR	4	4	2.2	1.9
Cv [ft ² /d]	0.03	0.03	0.058	0.11
Cvr [ft ² /d]	0.03	0.03	0.058	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Medium to Stiff Gray fat Clay (CH)	Loose to Dense Gray Clayey Sand (SC)
Color		
Unit Weight [kips/ft ³]	0.12	0.115
Saturated Unit Weight [kips/ft ³]	0.12	0.115
K0	1	1
Immediate Settlement	Disabled	Enabled
Es [ksf]	-	292.396
Esur [ksf]	-	292.396
Primary Consolidation	Enabled	Disabled
Material Type	Non-Linear	
Cc	0.24	-
Cr	0.04	-
e0	1	-
OCR	3.9	-
Cv [ft ² /d]	0.3	-
Cvr [ft ² /d]	0.3	-
B-bar	1	-
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 61

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-19 to +2.5'.s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-8A
 B-19 (Cell 3)
 4585-17-006
 PO-169
 Stress Computation Method Boussinesq
 Time-dependent Consolidation Analysis
 Time Units days
 Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0256889	0.0439627
Loading Stress XX [ksf]	0.0211691	0.0486507
Loading Stress YY [ksf]	0.0491814	0.0764822
Effective Stress ZZ [ksf]	0	1.428
Effective Stress XX [ksf]	0.00795959	1.44629
Effective Stress YY [ksf]	0.0184922	1.45562
Total Stress ZZ [ksf]	0.23493	3.52806
Total Stress XX [ksf]	0.24289	3.54635
Total Stress YY [ksf]	0.253422	3.55568
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0.23493	2.10006
Excess Pore Water Pressure [ksf]	0.00965902	0.01653
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.01104	5.13133
Over-consolidation Ratio	1.58	4
Void Ratio	0.92	4.82
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-6.61838e-006	0.414198
Total Consolidation Settlement [in]	-6.61838e-006	0.414198
Virgin Consolidation Settlement [in]	0	0.186922
Recompression Consolidation Settlement [in]	-6.61838e-006	0.227276
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0491718	0.0879033
Loading Stress XX [ksf]	0.043696	0.0977525
Loading Stress YY [ksf]	0.100833	0.153027
Effective Stress ZZ [ksf]	0.0143767	1.42784
Effective Stress XX [ksf]	0.0319436	1.46459
Effective Stress YY [ksf]	0.0538601	1.48264
Total Stress ZZ [ksf]	0.251452	3.53689
Total Stress XX [ksf]	0.270035	3.57364
Total Stress YY [ksf]	0.291518	3.59169
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-2.91382e-005	0.132711
Pore Water Pressure [ksf]	0.237075	2.10905
Excess Pore Water Pressure [ksf]	0.00998256	0.0329414
Degree of Consolidation [%]	0	23.7425
Pre-consolidation Stress [ksf]	0.0157835	5.13133
Over-consolidation Ratio	1	4.00295
Void Ratio	0.919727	4.82017
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00225513

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-9.82014e-006	0.868815
Total Consolidation Settlement [in]	-9.82014e-006	0.868815
Virgin Consolidation Settlement [in]	0	0.525047
Recompression Consolidation Settlement [in]	-9.82014e-006	0.343769
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0702914	0.131797
Loading Stress XX [ksf]	0.067883	0.147197
Loading Stress YY [ksf]	0.155563	0.229578
Effective Stress ZZ [ksf]	0.0226838	1.42764
Effective Stress XX [ksf]	0.0498013	1.48299
Effective Stress YY [ksf]	0.0834428	1.50914
Total Stress ZZ [ksf]	0.267956	3.54483
Total Stress XX [ksf]	0.297997	3.60018
Total Stress YY [ksf]	0.330965	3.62633
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.46788e-005	0.273596
Pore Water Pressure [ksf]	0.239422	2.11719
Excess Pore Water Pressure [ksf]	0.00904227	0.0492651
Degree of Consolidation [%]	0	35.4324
Pre-consolidation Stress [ksf]	0.0301307	5.13133
Over-consolidation Ratio	1	4.0064
Void Ratio	0.919474	4.82032
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00279659

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.2392e-005	1.28174
Total Consolidation Settlement [in]	-1.2392e-005	1.28174
Virgin Consolidation Settlement [in]	0	0.819537
Recompression Consolidation Settlement [in]	-1.2392e-005	0.4622
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0889052	0.175586
Loading Stress XX [ksf]	0.0941534	0.196888
Loading Stress YY [ksf]	0.214164	0.305959
Effective Stress ZZ [ksf]	0.0301405	1.42752
Effective Stress XX [ksf]	0.0694542	1.50154
Effective Stress YY [ksf]	0.11676	1.53518
Total Stress ZZ [ksf]	0.28442	3.55183
Total Stress XX [ksf]	0.326486	3.62586
Total Stress YY [ksf]	0.37161	3.6595
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.39673e-005	0.351834
Pore Water Pressure [ksf]	0.241528	2.12431
Excess Pore Water Pressure [ksf]	0.0080208	0.0653987
Degree of Consolidation [%]	0	41.5772
Pre-consolidation Stress [ksf]	0.0418825	5.13133
Over-consolidation Ratio	1	4.00947
Void Ratio	0.919245	4.82024
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0045599

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-8.0248e-006	1.67192
Total Consolidation Settlement [in]	-8.0248e-006	1.67192
Virgin Consolidation Settlement [in]	0	1.11886
Recompression Consolidation Settlement [in]	-8.0248e-006	0.553054
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.104891	0.219123
Loading Stress XX [ksf]	0.123136	0.246796
Loading Stress YY [ksf]	0.277598	0.381961
Effective Stress ZZ [ksf]	0.0331692	1.42756
Effective Stress XX [ksf]	0.0846101	1.52036
Effective Stress YY [ksf]	0.145371	1.56084
Total Stress ZZ [ksf]	0.30079	3.55784
Total Stress XX [ksf]	0.35578	3.65063
Total Stress YY [ksf]	0.413858	3.69112
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-5.48238e-005	0.41244
Pore Water Pressure [ksf]	0.243461	2.13027
Excess Pore Water Pressure [ksf]	0.00692636	0.0811165
Degree of Consolidation [%]	0	44.7162
Pre-consolidation Stress [ksf]	0.0557484	5.13133
Over-consolidation Ratio	1	4.01237
Void Ratio	0.91904	4.81963
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00513602

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.00151
Total Consolidation Settlement [in]	0	2.00151
Virgin Consolidation Settlement [in]	0	1.36201
Recompression Consolidation Settlement [in]	0	0.639503
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.118149	0.262036
Loading Stress XX [ksf]	0.155816	0.297113
Loading Stress YY [ksf]	0.346789	0.457116
Effective Stress ZZ [ksf]	0.0371984	1.42787
Effective Stress XX [ksf]	0.102192	1.53958
Effective Stress YY [ksf]	0.176981	1.58618
Total Stress ZZ [ksf]	0.316926	3.56282
Total Stress XX [ksf]	0.385916	3.67454
Total Stress YY [ksf]	0.457722	3.72114
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.1073e-005	0.462174
Pore Water Pressure [ksf]	0.244939	2.13496
Excess Pore Water Pressure [ksf]	0.00577058	0.0961167
Degree of Consolidation [%]	0	46.5375
Pre-consolidation Stress [ksf]	0.0703332	5.13133
Over-consolidation Ratio	1	4.0143
Void Ratio	0.918862	4.81819
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00561201

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.28528
Total Consolidation Settlement [in]	0	2.28528
Virgin Consolidation Settlement [in]	0	1.56186
Recompression Consolidation Settlement [in]	0	0.723421
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.12861	0.303352
Loading Stress XX [ksf]	0.193775	0.3486
Loading Stress YY [ksf]	0.421831	0.530416
Effective Stress ZZ [ksf]	0.0421143	1.42847
Effective Stress XX [ksf]	0.122572	1.55954
Effective Stress YY [ksf]	0.211183	1.6111
Total Stress ZZ [ksf]	0.33246	3.56676
Total Stress XX [ksf]	0.417197	3.69783
Total Stress YY [ksf]	0.502946	3.74939
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.87023e-005	0.503006
Pore Water Pressure [ksf]	0.245812	2.13829
Excess Pore Water Pressure [ksf]	0.0045681	0.109752
Degree of Consolidation [%]	0	47.7333
Pre-consolidation Stress [ksf]	0.0806025	5.13133
Over-consolidation Ratio	1	4.01609
Void Ratio	0.918714	4.81576
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00601525

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.53133
Total Consolidation Settlement [in]	0	2.53133
Virgin Consolidation Settlement [in]	0	1.7272
Recompression Consolidation Settlement [in]	0	0.804132
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.136233	0.340635
Loading Stress XX [ksf]	0.239406	0.40322
Loading Stress YY [ksf]	0.499821	0.59967
Effective Stress ZZ [ksf]	0.0475907	1.42937
Effective Stress XX [ksf]	0.146395	1.58098
Effective Stress YY [ksf]	0.24642	1.63514
Total Stress ZZ [ksf]	0.346479	3.56962
Total Stress XX [ksf]	0.449652	3.72123
Total Stress YY [ksf]	0.547568	3.77539
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.18461e-005	0.536702
Pore Water Pressure [ksf]	0.245575	2.14026
Excess Pore Water Pressure [ksf]	0.0033357	0.120989
Degree of Consolidation [%]	0	48.2554
Pre-consolidation Stress [ksf]	0.0879592	5.13133
Over-consolidation Ratio	1	4.01683
Void Ratio	0.918596	4.81223
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00634856

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.96878
Total Consolidation Settlement [in]	0	2.96878
Virgin Consolidation Settlement [in]	0	2.05663
Recompression Consolidation Settlement [in]	0	0.912144
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.051823	1.43206
Effective Stress XX [ksf]	0.198859	1.63038
Effective Stress YY [ksf]	0.307484	1.67972
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.516068	3.77151
Total Stress YY [ksf]	0.625661	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-7.95009e-005	0.564985
Pore Water Pressure [ksf]	0.255011	2.14114
Excess Pore Water Pressure [ksf]	0.00416044	0.135799
Degree of Consolidation [%]	0	52.166
Pre-consolidation Stress [ksf]	0.100171	5.13133
Over-consolidation Ratio	1	4.01863
Void Ratio	0.918509	4.8008
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00989617

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.73199
Total Consolidation Settlement [in]	0	3.73199
Virgin Consolidation Settlement [in]	0	2.65483
Recompression Consolidation Settlement [in]	0	1.07716
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.0627848	1.43941
Effective Stress XX [ksf]	0.211504	1.63772
Effective Stress YY [ksf]	0.319883	1.68707
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.520037	3.77151
Total Stress YY [ksf]	0.62963	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.88756e-005	0.597255
Pore Water Pressure [ksf]	0.237802	2.13379
Excess Pore Water Pressure [ksf]	0	0.133431
Degree of Consolidation [%]	0	67.2788
Pre-consolidation Stress [ksf]	0.124545	5.13133
Over-consolidation Ratio	1	4.02181
Void Ratio	0.918401	4.7626
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0104948

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.19456
Total Consolidation Settlement [in]	0	4.19456
Virgin Consolidation Settlement [in]	0	2.92374
Recompression Consolidation Settlement [in]	0	1.27082
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.0811487	1.45065
Effective Stress XX [ksf]	0.232151	1.64897
Effective Stress YY [ksf]	0.340263	1.69831
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.522441	3.77151
Total Stress YY [ksf]	0.632034	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.70391e-005	0.597015
Pore Water Pressure [ksf]	0.240206	2.12255
Excess Pore Water Pressure [ksf]	0	0.130075
Degree of Consolidation [%]	0	79.7076
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1	4.02758
Void Ratio	0.9184	4.69685
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0110429

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.53433
Total Consolidation Settlement [in]	0	4.53433
Virgin Consolidation Settlement [in]	0	3.051
Recompression Consolidation Settlement [in]	0	1.48333
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.106819	1.46382
Effective Stress XX [ksf]	0.260118	1.66213
Effective Stress YY [ksf]	0.36764	1.71147
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.524206	3.77151
Total Stress YY [ksf]	0.633799	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-6.51414e-005	0.596307
Pore Water Pressure [ksf]	0.241971	2.10938
Excess Pore Water Pressure [ksf]	0	0.124947
Degree of Consolidation [%]	0	90.3738
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00666	4.02062
Void Ratio	0.918399	4.62183
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0113891

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.76613
Total Consolidation Settlement [in]	0	4.76613
Virgin Consolidation Settlement [in]	0	3.10562
Recompression Consolidation Settlement [in]	0	1.66051
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.124485	1.47421
Effective Stress XX [ksf]	0.282235	1.67253
Effective Stress YY [ksf]	0.391828	1.72187
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.525407	3.77151
Total Stress YY [ksf]	0.635	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000174857	0.596245
Pore Water Pressure [ksf]	0.243172	2.09898
Excess Pore Water Pressure [ksf]	0	0.118495
Degree of Consolidation [%]	0	96.5
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.0076	3.9452
Void Ratio	0.918399	4.56323
Permeability [ft/d]	0.000110226	0.0380865
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0141351

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.94342
Total Consolidation Settlement [in]	0	4.94342
Virgin Consolidation Settlement [in]	0	3.1857
Recompression Consolidation Settlement [in]	0	1.75773
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.123566	1.47892
Effective Stress XX [ksf]	0.282235	1.67723
Effective Stress YY [ksf]	0.391828	1.72657
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.526326	3.77151
Total Stress YY [ksf]	0.635919	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.00031799	0.595951
Pore Water Pressure [ksf]	0.244091	2.09428
Excess Pore Water Pressure [ksf]	0	0.110074
Degree of Consolidation [%]	0	98.6058
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00284	3.84377
Void Ratio	0.918399	4.54838
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.014325

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.18446
Total Consolidation Settlement [in]	0	5.18446
Virgin Consolidation Settlement [in]	0	3.28999
Recompression Consolidation Settlement [in]	0	1.89447
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.12232	1.482
Effective Stress XX [ksf]	0.282235	1.68032
Effective Stress YY [ksf]	0.391828	1.72966
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.527571	3.77151
Total Stress YY [ksf]	0.637164	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000336882	0.595641
Pore Water Pressure [ksf]	0.245336	2.09119
Excess Pore Water Pressure [ksf]	0	0.0912612
Degree of Consolidation [%]	0	99.7408
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1	3.64083
Void Ratio	0.918399	4.53187
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.014557

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.3211
Total Consolidation Settlement [in]	0	5.3211
Virgin Consolidation Settlement [in]	0	3.3373
Recompression Consolidation Settlement [in]	0	1.9838
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.121615	1.48263
Effective Stress XX [ksf]	0.282235	1.68095
Effective Stress YY [ksf]	0.391828	1.73029
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.528277	3.77151
Total Stress YY [ksf]	0.63787	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000340737	0.595491
Pore Water Pressure [ksf]	0.246042	2.09056
Excess Pore Water Pressure [ksf]	0	0.0737943
Degree of Consolidation [%]	0	99.9484
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1	3.50082
Void Ratio	0.918399	4.52586
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.014645

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.45852
Total Consolidation Settlement [in]	0	5.45852
Virgin Consolidation Settlement [in]	0	3.36437
Recompression Consolidation Settlement [in]	0	2.09415
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120906	1.48279
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.528986	3.77151
Total Stress YY [ksf]	0.638579	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341685	0.595316
Pore Water Pressure [ksf]	0.246751	2.09041
Excess Pore Water Pressure [ksf]	0	0.0460762
Degree of Consolidation [%]	0	99.9979
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1	3.46658
Void Ratio	0.918399	4.52174
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147059

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.5242
Total Consolidation Settlement [in]	0	5.5242
Virgin Consolidation Settlement [in]	0	3.36851
Recompression Consolidation Settlement [in]	0	2.15569
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120567	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529325	3.77151
Total Stress YY [ksf]	0.638918	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341724	0.595222
Pore Water Pressure [ksf]	0.24709	2.0904
Excess Pore Water Pressure [ksf]	0	0.0281816
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1	3.46657
Void Ratio	0.918399	4.52056
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147231

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.56063
Total Consolidation Settlement [in]	0	5.56063
Virgin Consolidation Settlement [in]	0	3.36921
Recompression Consolidation Settlement [in]	0	2.19141
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120378	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529513	3.77151
Total Stress YY [ksf]	0.639106	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595167
Pore Water Pressure [ksf]	0.247278	2.0904
Excess Pore Water Pressure [ksf]	0	0.0171308
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00011	3.46657
Void Ratio	0.918399	4.52008
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.01473

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.5833
Total Consolidation Settlement [in]	0	5.5833
Virgin Consolidation Settlement [in]	0	3.36943
Recompression Consolidation Settlement [in]	0	2.21387
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120261	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529631	3.77151
Total Stress YY [ksf]	0.639224	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595132
Pore Water Pressure [ksf]	0.247396	2.0904
Excess Pore Water Pressure [ksf]	-8.32766e-020	0.00996889
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00024	3.46657
Void Ratio	0.918399	4.51981
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147337

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.61249
Total Consolidation Settlement [in]	0	5.61249
Virgin Consolidation Settlement [in]	0	3.36955
Recompression Consolidation Settlement [in]	0	2.24294
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120096	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529796	3.77151
Total Stress YY [ksf]	0.639389	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595083
Pore Water Pressure [ksf]	0.247561	2.0904
Excess Pore Water Pressure [ksf]	-1.28382e-019	0.000474129
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00046	3.46657
Void Ratio	0.918399	4.51948
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147383

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.61386
Total Consolidation Settlement [in]	0	5.61386
Virgin Consolidation Settlement [in]	0	3.36956
Recompression Consolidation Settlement [in]	0	2.24431
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120088	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529804	3.77151
Total Stress YY [ksf]	0.639397	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595081
Pore Water Pressure [ksf]	0.247569	2.0904
Excess Pore Water Pressure [ksf]	-7.2626e-020	2.24935e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00047	3.46657
Void Ratio	0.918399	4.51947
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147385

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.61393
Total Consolidation Settlement [in]	0	5.61393
Virgin Consolidation Settlement [in]	0	3.36956
Recompression Consolidation Settlement [in]	0	2.24437
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120088	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529804	3.77151
Total Stress YY [ksf]	0.639397	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595081
Pore Water Pressure [ksf]	0.247569	2.0904
Excess Pore Water Pressure [ksf]	-1.28078e-019	5.01155e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00047	3.46657
Void Ratio	0.918399	4.51947
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147385

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.61393
Total Consolidation Settlement [in]	0	5.61393
Virgin Consolidation Settlement [in]	0	3.36956
Recompression Consolidation Settlement [in]	0	2.24437
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120088	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529804	3.77151
Total Stress YY [ksf]	0.639397	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595081
Pore Water Pressure [ksf]	0.247569	2.0904
Excess Pore Water Pressure [ksf]	-1.27978e-019	1.03026e-014
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00047	3.46657
Void Ratio	0.918399	4.51947
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147385

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.61393
Total Consolidation Settlement [in]	0	5.61393
Virgin Consolidation Settlement [in]	0	3.36956
Recompression Consolidation Settlement [in]	0	2.24437
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.141304	0.370701
Loading Stress XX [ksf]	0.300398	0.469529
Loading Stress YY [ksf]	0.577391	0.665046
Effective Stress ZZ [ksf]	0.120088	1.4828
Effective Stress XX [ksf]	0.282235	1.68111
Effective Stress YY [ksf]	0.391828	1.73045
Total Stress ZZ [ksf]	0.367657	3.5732
Total Stress XX [ksf]	0.529804	3.77151
Total Stress YY [ksf]	0.639397	3.82085
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000341726	0.595081
Pore Water Pressure [ksf]	0.247569	2.0904
Excess Pore Water Pressure [ksf]	-3.06538e-017	4.94937e-018
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.133079	5.13133
Over-consolidation Ratio	1.00047	3.46657
Void Ratio	0.918399	4.51947
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0147385

Embankments

1. Embankment: "Embankment Load to +2.5"

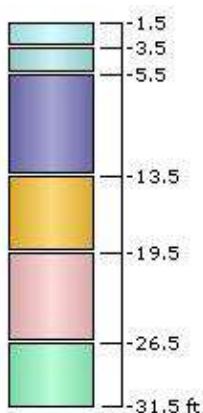
Label	Embankment Load to +2.5'
Center Line	(0, -1000) to (0, 1000)
Number of Layers	9
Near End Angle	90 degrees
Far End Angle	90 degrees
Base Width	36

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.44	0.1	14	0
2	Stage 2 = 2 d	0	14	0.44	0.1	14	0
3	Stage 3 = 3 d	0	14	0.44	0.1	14	0
4	Stage 4 = 4 d	0	14	0.44	0.1	14	0
5	Stage 5 = 5 d	0	14	0.44	0.1	14	0
6	Stage 6 = 6 d	0	14	0.44	0.1	14	0
7	Stage 7 = 7 d	0	14	0.44	0.1	14	0
8	Stage 8 = 8 d	0	14	0.44	0.1	14	0
9	Stage 9 = 10 d	0	14	0.48	0.1	14	0





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Fat Clay (CH)	2	1.5	No
2	Very Soft to Medium Gray Fat Clay (CH)	2	3.5	No
3	Very Soft to Medium Gray Fat Clay (CH) 2	8	5.5	Yes
4	Very Soft to Soft Gray Clay	6	13.5	Yes
5	Very Soft to Soft Gray Clay 2	7	19.5	Yes
6	Medium Gray Lean Clay (CL)	5	26.5	No



Soil Properties

Property	Very Soft Gray Fat Clay (CH)	Very Soft to Medium Gray Fat Clay (CH)	Very Soft to Medium Gray Fat Clay (CH) 2	Very Soft to Soft Gray Clay
Color				
Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	2.92	0.75	0.39	0.39
Cr	0.53	0.13	0.07	0.07
e0	4.82	2.3	1.4	1.4
OCR	4	4	4	2.46
Cv [ft ² /d]	0.03	0.033	0.11	0.11
Cvr [ft ² /d]	0.03	0.033	0.11	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Very Soft to Soft Gray Clay 2	Medium Gray Lean Clay (CL)
Color		
Unit Weight [kips/ft ³]	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.115	0.115
K0	1	1
Primary Consolidation	Enabled	Enabled
Material Type	Non-Linear	Non-Linear
Cc	0.21	0.21
Cr	0.04	0.04
e0	0.92	0.92
OCR	1.58	3.6
Cv [ft ² /d]	0.5	0.5
Cvr [ft ² /d]	0.5	0.5
B-bar	1	1
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 69

Settle3D Analysis Information

New Orleans Landbridge Shoreline Stabilization and Marsh Creation

Project Settings

Document Name	B-19 to +4.5' .s3z
Project Title	New Orleans Landbridge Shoreline Stabilization and Marsh Creation
Analysis	Containment Dike Settlement
Author	RAW
Company	S&ME
Date Created	2/23/2017

Comments

III-8A

B-19 (Cell 3)

4585-17-006

PO-169

Stress Computation Method Boussinesq

Time-dependent Consolidation Analysis

Time Units days

Permeability Units feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	2
3	Stage 3	3
4	Stage 4	4
5	Stage 5	5
6	Stage 6	6
7	Stage 7	7
8	Stage 8	8
9	Stage 9	10
10	Stage 10	14
11	Stage 11	20
12	Stage 12	30
13	Stage 13	45
14	Stage 14	60
15	Stage 15	90
16	Stage 16	120
17	Stage 17	180
18	Stage 18	240
19	Stage 19	300
20	Stage 20	365
21	Stage 21	730
22	Stage 22	1095
23	Stage 23	1825
24	Stage 24	3650
25	Stage 25	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0490114	0.0669784
Loading Stress XX [ksf]	0.0310092	0.0706121
Loading Stress YY [ksf]	0.0720748	0.115921
Effective Stress ZZ [ksf]	-6.74735e-020	1.428
Effective Stress XX [ksf]	0.0116594	1.45455
Effective Stress YY [ksf]	0.0271001	1.47143
Total Stress ZZ [ksf]	0.243584	3.53683
Total Stress XX [ksf]	0.255243	3.56338
Total Stress YY [ksf]	0.270684	3.58026
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0.243584	2.10883
Excess Pore Water Pressure [ksf]	0.0184283	0.0251839
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.01104	5.13133
Over-consolidation Ratio	1.58	4
Void Ratio	0.92	4.82
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 2 d

Data Type	Minimum	Maximum
Total Settlement [in]	-7.89734e-006	0.642241
Total Consolidation Settlement [in]	-7.89734e-006	0.642241
Virgin Consolidation Settlement [in]	0	0.375147
Recompression Consolidation Settlement [in]	-7.89734e-006	0.267094
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.0944119	0.133928
Loading Stress XX [ksf]	0.0641441	0.142819
Loading Stress YY [ksf]	0.147746	0.231747
Effective Stress ZZ [ksf]	0.0165829	1.42778
Effective Stress XX [ksf]	0.0417289	1.48148
Effective Stress YY [ksf]	0.0735939	1.51425
Total Stress ZZ [ksf]	0.268757	3.5539
Total Stress XX [ksf]	0.296215	3.6076
Total Stress YY [ksf]	0.32765	3.64037
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-4.89487e-005	0.211138
Pore Water Pressure [ksf]	0.246913	2.12612
Excess Pore Water Pressure [ksf]	0.0187367	0.0502888
Degree of Consolidation [%]	0	25.8974
Pre-consolidation Stress [ksf]	0.0226215	5.13133
Over-consolidation Ratio	1	4.00495
Void Ratio	0.919528	4.82028
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00271573

Stage: Stage 3 = 3 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.32056e-005	1.20835
Total Consolidation Settlement [in]	-1.32056e-005	1.20835
Virgin Consolidation Settlement [in]	0	0.78167
Recompression Consolidation Settlement [in]	-1.32056e-005	0.426679
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.13566	0.200805
Loading Stress XX [ksf]	0.0999301	0.216426
Loading Stress YY [ksf]	0.227939	0.347181
Effective Stress ZZ [ksf]	0.0288922	1.4275
Effective Stress XX [ksf]	0.0696206	1.50888
Effective Stress YY [ksf]	0.11941	1.55638
Total Stress ZZ [ksf]	0.293903	3.56941
Total Stress XX [ksf]	0.33776	3.65078
Total Stress YY [ksf]	0.385891	3.69828
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.29488e-005	0.353469
Pore Water Pressure [ksf]	0.249829	2.1419
Excess Pore Water Pressure [ksf]	0.0172109	0.0753045
Degree of Consolidation [%]	0	34.4089
Pre-consolidation Stress [ksf]	0.0404851	5.13133
Over-consolidation Ratio	1	4.01048
Void Ratio	0.919088	4.82054
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00470687

Stage: Stage 4 = 4 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.46422e-005	1.75546
Total Consolidation Settlement [in]	-1.46422e-005	1.75546
Virgin Consolidation Settlement [in]	0	1.2039
Recompression Consolidation Settlement [in]	-1.46422e-005	0.551556
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.172214	0.267506
Loading Stress XX [ksf]	0.139067	0.29116
Loading Stress YY [ksf]	0.313929	0.462015
Effective Stress ZZ [ksf]	0.0318231	1.42737
Effective Stress XX [ksf]	0.0886347	1.53684
Effective Stress YY [ksf]	0.156656	1.59774
Total Stress ZZ [ksf]	0.318982	3.58315
Total Stress XX [ksf]	0.380397	3.69263
Total Stress YY [ksf]	0.446145	3.75353
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000102676	0.437505
Pore Water Pressure [ksf]	0.252605	2.15579
Excess Pore Water Pressure [ksf]	0.0154155	0.100091
Degree of Consolidation [%]	0	39.5087
Pre-consolidation Stress [ksf]	0.06055	5.13133
Over-consolidation Ratio	1	4.01544
Void Ratio	0.918684	4.8204
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00549656

Stage: Stage 5 = 5 d

Data Type	Minimum	Maximum
Total Settlement [in]	-5.25502e-006	2.19552
Total Consolidation Settlement [in]	-5.25502e-006	2.19552
Virgin Consolidation Settlement [in]	0	1.52767
Recompression Consolidation Settlement [in]	-5.25502e-006	0.667851
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.203568	0.333763
Loading Stress XX [ksf]	0.182511	0.366682
Loading Stress YY [ksf]	0.407436	0.575712
Effective Stress ZZ [ksf]	0.0363886	1.42756
Effective Stress XX [ksf]	0.111047	1.56543
Effective Stress YY [ksf]	0.198462	1.63833
Total Stress ZZ [ksf]	0.343895	3.59494
Total Stress XX [ksf]	0.423931	3.73281
Total Stress YY [ksf]	0.508503	3.80572
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-8.39917e-005	0.502761
Pore Water Pressure [ksf]	0.254725	2.16739
Excess Pore Water Pressure [ksf]	0.0133511	0.124394
Degree of Consolidation [%]	0	41.2319
Pre-consolidation Stress [ksf]	0.0779914	5.13133
Over-consolidation Ratio	1	4.01969
Void Ratio	0.918322	4.81938
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00612347

Stage: Stage 6 = 6 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.56346
Total Consolidation Settlement [in]	0	2.56346
Virgin Consolidation Settlement [in]	0	1.78265
Recompression Consolidation Settlement [in]	0	0.780812
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.229282	0.398872
Loading Stress XX [ksf]	0.231619	0.442679
Loading Stress YY [ksf]	0.510485	0.687644
Effective Stress ZZ [ksf]	0.0424629	1.42822
Effective Stress XX [ksf]	0.152201	1.61635
Effective Stress YY [ksf]	0.275933	1.70792
Total Stress ZZ [ksf]	0.386954	3.61195
Total Stress XX [ksf]	0.501379	3.80008
Total Stress YY [ksf]	0.621625	3.89165
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-9.91617e-005	0.554078
Pore Water Pressure [ksf]	0.274783	2.18373
Excess Pore Water Pressure [ksf]	0.019417	0.165465
Degree of Consolidation [%]	0	38.2731
Pre-consolidation Stress [ksf]	0.0892728	5.13133
Over-consolidation Ratio	1	4.02325
Void Ratio	0.918007	4.81712
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00650424

Stage: Stage 7 = 7 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.04612
Total Consolidation Settlement [in]	0	3.04612
Virgin Consolidation Settlement [in]	0	2.17009
Recompression Consolidation Settlement [in]	0	0.876029
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.249014	0.460873
Loading Stress XX [ksf]	0.28848	0.519368
Loading Stress YY [ksf]	0.624166	0.796881
Effective Stress ZZ [ksf]	0.0474279	1.42929
Effective Stress XX [ksf]	0.222301	1.69411
Effective Stress YY [ksf]	0.402458	1.80983
Total Stress ZZ [ksf]	0.448955	3.63168
Total Stress XX [ksf]	0.622753	3.8965
Total Stress YY [ksf]	0.799818	4.01222
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.00011698	0.61729
Pore Water Pressure [ksf]	0.296237	2.20239
Excess Pore Water Pressure [ksf]	0.0226721	0.222206
Degree of Consolidation [%]	0	36.2534
Pre-consolidation Stress [ksf]	0.105063	5.13133
Over-consolidation Ratio	1	4.02744
Void Ratio	0.917551	4.81341
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00991117

Stage: Stage 8 = 8 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.70988
Total Consolidation Settlement [in]	0	3.70988
Virgin Consolidation Settlement [in]	0	2.75767
Recompression Consolidation Settlement [in]	0	0.952217
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.262552	0.51449
Loading Stress XX [ksf]	0.356906	0.599428
Loading Stress YY [ksf]	0.74378	0.900698
Effective Stress ZZ [ksf]	0.0498417	1.4308
Effective Stress XX [ksf]	0.297752	1.77569
Effective Stress YY [ksf]	0.52615	1.90758
Total Stress ZZ [ksf]	0.502572	3.64522
Total Stress XX [ksf]	0.748245	3.9901
Total Stress YY [ksf]	0.976498	4.12199
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000140327	0.683532
Pore Water Pressure [ksf]	0.291301	2.21441
Excess Pore Water Pressure [ksf]	0.015616	0.267862
Degree of Consolidation [%]	0	40.2459
Pre-consolidation Stress [ksf]	0.122314	5.13133
Over-consolidation Ratio	1	4.03294
Void Ratio	0.841846	4.80773
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0101438

Stage: Stage 9 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.74278
Total Consolidation Settlement [in]	0	4.74278
Virgin Consolidation Settlement [in]	0	3.63713
Recompression Consolidation Settlement [in]	0	1.10564
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.0559349	1.436
Effective Stress XX [ksf]	0.389779	1.86775
Effective Stress YY [ksf]	0.632126	1.99361
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.86928	4.08404
Total Stress YY [ksf]	1.11643	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000185441	0.736271
Pore Water Pressure [ksf]	0.276298	2.21629
Excess Pore Water Pressure [ksf]	0.00817279	0.292401
Degree of Consolidation [%]	0	50.1742
Pre-consolidation Stress [ksf]	0.145231	5.13133
Over-consolidation Ratio	1	4.04359
Void Ratio	0.534904	4.78877
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0106999

Stage: Stage 10 = 14 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.82253
Total Consolidation Settlement [in]	0	5.82253
Virgin Consolidation Settlement [in]	0	4.43411
Recompression Consolidation Settlement [in]	0	1.38842
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.0705125	1.45325
Effective Stress XX [ksf]	0.407968	1.885
Effective Stress YY [ksf]	0.6488	2.01086
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.874895	4.08404
Total Stress YY [ksf]	1.12205	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000167757	0.764906
Pore Water Pressure [ksf]	0.248663	2.19904
Excess Pore Water Pressure [ksf]	0	0.287988
Degree of Consolidation [%]	0	66.0109
Pre-consolidation Stress [ksf]	0.1656	5.13133
Over-consolidation Ratio	1	4.0462
Void Ratio	0.368249	4.72338
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0118299

Stage: Stage 11 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.69594
Total Consolidation Settlement [in]	0	6.69594
Virgin Consolidation Settlement [in]	0	5.04592
Recompression Consolidation Settlement [in]	0	1.65002
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.0940205	1.48122
Effective Stress XX [ksf]	0.436443	1.91296
Effective Stress YY [ksf]	0.675672	2.03882
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.879435	4.08404
Total Stress YY [ksf]	1.12659	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000184358	0.76509
Pore Water Pressure [ksf]	0.253202	2.17108
Excess Pore Water Pressure [ksf]	0	0.281125
Degree of Consolidation [%]	0	79.0661
Pre-consolidation Stress [ksf]	0.185102	5.13133
Over-consolidation Ratio	1	4.05864
Void Ratio	0.367177	4.59728
Permeability [ft/d]	0.000110226	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0144797

Stage: Stage 12 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.53351
Total Consolidation Settlement [in]	0	7.53351
Virgin Consolidation Settlement [in]	0	5.61816
Recompression Consolidation Settlement [in]	0	1.91535
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.127945	1.51425
Effective Stress XX [ksf]	0.477169	1.94599
Effective Stress YY [ksf]	0.713858	2.07185
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.883785	4.08404
Total Stress YY [ksf]	1.13094	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	-0.000135611	0.763976
Pore Water Pressure [ksf]	0.257553	2.13805
Excess Pore Water Pressure [ksf]	0	0.270649
Degree of Consolidation [%]	0	90.0741
Pre-consolidation Stress [ksf]	0.212643	5.13133
Over-consolidation Ratio	1	4.04305
Void Ratio	0.37366	4.41455
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166048

Stage: Stage 13 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.12289
Total Consolidation Settlement [in]	0	8.12289
Virgin Consolidation Settlement [in]	0	5.99274
Recompression Consolidation Settlement [in]	0	2.13015
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.16329	1.54035
Effective Stress XX [ksf]	0.520602	1.9721
Effective Stress YY [ksf]	0.753706	2.09796
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.886842	4.08404
Total Stress YY [ksf]	1.134	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000431364	0.763922
Pore Water Pressure [ksf]	0.26061	2.11194
Excess Pore Water Pressure [ksf]	0	0.256755
Degree of Consolidation [%]	0	96.3863
Pre-consolidation Stress [ksf]	0.253205	5.13133
Over-consolidation Ratio	1	3.86626
Void Ratio	0.373972	4.19091
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193563

Stage: Stage 14 = 60 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.53346
Total Consolidation Settlement [in]	0	8.53346
Virgin Consolidation Settlement [in]	0	6.25138
Recompression Consolidation Settlement [in]	0	2.28208
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.191883	1.55216
Effective Stress XX [ksf]	0.551382	1.9839
Effective Stress YY [ksf]	0.783563	2.10976
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.88897	4.08404
Total Stress YY [ksf]	1.13612	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000756531	0.763741
Pore Water Pressure [ksf]	0.262738	2.10014
Excess Pore Water Pressure [ksf]	0	0.237389
Degree of Consolidation [%]	0	98.5599
Pre-consolidation Stress [ksf]	0.276097	5.13133
Over-consolidation Ratio	1	3.64706
Void Ratio	0.375028	4.08192
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209839

Stage: Stage 15 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.06236
Total Consolidation Settlement [in]	0	9.06236
Virgin Consolidation Settlement [in]	0	6.57018
Recompression Consolidation Settlement [in]	0	2.49218
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.247275	1.5599
Effective Stress XX [ksf]	0.607507	1.99165
Effective Stress YY [ksf]	0.839688	2.11751
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.891712	4.08404
Total Stress YY [ksf]	1.13887	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.00080165	0.763525
Pore Water Pressure [ksf]	0.265479	2.09239
Excess Pore Water Pressure [ksf]	0	0.195817
Degree of Consolidation [%]	0	99.7318
Pre-consolidation Stress [ksf]	0.287467	5.13133
Over-consolidation Ratio	1	3.29476
Void Ratio	0.376286	3.96427
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.021844

Stage: Stage 16 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.36677
Total Consolidation Settlement [in]	0	9.36677
Virgin Consolidation Settlement [in]	0	6.73277
Recompression Consolidation Settlement [in]	0	2.634
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.268765	1.56149
Effective Stress XX [ksf]	0.626232	1.99323
Effective Stress YY [ksf]	0.873387	2.11909
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.89329	4.08404
Total Stress YY [ksf]	1.14044	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.00081084	0.763395
Pore Water Pressure [ksf]	0.267058	2.09081
Excess Pore Water Pressure [ksf]	0	0.155875
Degree of Consolidation [%]	0	99.9466
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29141
Void Ratio	0.377039	3.90501
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022278

Stage: Stage 17 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.68656
Total Consolidation Settlement [in]	0	9.68656
Virgin Consolidation Settlement [in]	0	6.871
Recompression Consolidation Settlement [in]	0	2.81556
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.267108	1.56188
Effective Stress XX [ksf]	0.626232	1.99362
Effective Stress YY [ksf]	0.873387	2.11948
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.894947	4.08404
Total Stress YY [ksf]	1.1421	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813099	0.763236
Pore Water Pressure [ksf]	0.268714	2.09042
Excess Pore Water Pressure [ksf]	0	0.0926585
Degree of Consolidation [%]	0	99.9978
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29059
Void Ratio	0.377969	3.86297
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0256687

Stage: Stage 18 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.84118
Total Consolidation Settlement [in]	0	9.84118
Virgin Consolidation Settlement [in]	0	6.93138
Recompression Consolidation Settlement [in]	0	2.9098
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.266308	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.895748	4.08404
Total Stress YY [ksf]	1.1429	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813193	0.763146
Pore Water Pressure [ksf]	0.269515	2.0904
Excess Pore Water Pressure [ksf]	0	0.0511406
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29056
Void Ratio	0.37849	3.84616
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0259691

Stage: Stage 19 = 300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.91434
Total Consolidation Settlement [in]	0	9.91434
Virgin Consolidation Settlement [in]	0	6.95594
Recompression Consolidation Settlement [in]	0	2.95839
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265929	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896127	4.08404
Total Stress YY [ksf]	1.14328	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763103
Pore Water Pressure [ksf]	0.269894	2.0904
Excess Pore Water Pressure [ksf]	0	0.0277585
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.378742	3.83932
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0260936

Stage: Stage 20 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.95238
Total Consolidation Settlement [in]	0	9.95238
Virgin Consolidation Settlement [in]	0	6.96713
Recompression Consolidation Settlement [in]	0	2.98526
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265732	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896324	4.08404
Total Stress YY [ksf]	1.14348	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763079
Pore Water Pressure [ksf]	0.270091	2.0904
Excess Pore Water Pressure [ksf]	-2.75227e-019	0.0141008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.378878	3.83622
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0261551

Stage: Stage 21 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.98731
Total Consolidation Settlement [in]	0	9.98731
Virgin Consolidation Settlement [in]	0	6.97587
Recompression Consolidation Settlement [in]	0	3.01144
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265533	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896522	4.08404
Total Stress YY [ksf]	1.14368	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763055
Pore Water Pressure [ksf]	0.27029	2.0904
Excess Pore Water Pressure [ksf]	-3.89512e-019	0.000292317
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.379021	3.8338
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0262092

Stage: Stage 22 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.988
Total Consolidation Settlement [in]	0	9.988
Virgin Consolidation Settlement [in]	0	6.97602
Recompression Consolidation Settlement [in]	0	3.01197
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265529	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896526	4.08404
Total Stress YY [ksf]	1.14368	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763054
Pore Water Pressure [ksf]	0.270294	2.0904
Excess Pore Water Pressure [ksf]	-3.30479e-019	5.92392e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.379024	3.83376
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft^2/d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0262102

Stage: Stage 23 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.98801
Total Consolidation Settlement [in]	0	9.98801
Virgin Consolidation Settlement [in]	0	6.97603
Recompression Consolidation Settlement [in]	0	3.01199
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265529	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896526	4.08404
Total Stress YY [ksf]	1.14368	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763054
Pore Water Pressure [ksf]	0.270294	2.0904
Excess Pore Water Pressure [ksf]	-3.88848e-019	2.37816e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.379024	3.83376
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0262102

Stage: Stage 24 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.98801
Total Consolidation Settlement [in]	0	9.98801
Virgin Consolidation Settlement [in]	0	6.97603
Recompression Consolidation Settlement [in]	0	3.01199
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265529	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896526	4.08404
Total Stress YY [ksf]	1.14368	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763054
Pore Water Pressure [ksf]	0.270294	2.0904
Excess Pore Water Pressure [ksf]	-2.66426e-013	8.2883e-013
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.379024	3.83376
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0262102

Stage: Stage 25 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.98801
Total Consolidation Settlement [in]	0	9.98801
Virgin Consolidation Settlement [in]	0	6.97603
Recompression Consolidation Settlement [in]	0	3.01199
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0.269629	0.547741
Loading Stress XX [ksf]	0.439327	0.686291
Loading Stress YY [ksf]	0.845102	0.986109
Effective Stress ZZ [ksf]	0.265529	1.56189
Effective Stress XX [ksf]	0.626232	1.99364
Effective Stress YY [ksf]	0.873387	2.1195
Total Stress ZZ [ksf]	0.535823	3.65229
Total Stress XX [ksf]	0.896526	4.08404
Total Stress YY [ksf]	1.14368	4.2099
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0.000813197	0.763054
Pore Water Pressure [ksf]	0.270294	2.0904
Excess Pore Water Pressure [ksf]	-2.54944e-013	7.91156e-013
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.287762	5.13133
Over-consolidation Ratio	1	3.29055
Void Ratio	0.379024	3.83376
Permeability [ft/d]	0.000110226	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0262102

Embankments

1. Embankment: "Embankment Load to +4.5"

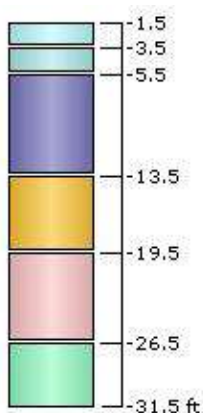
Label Embankment Load to +4.5'
Center Line (0, -1000) to (0, 1000)
Number of Layers 9
Near End Angle 90 degrees
Far End Angle 90 degrees
Base Width 52

Layer	Stage	Left Bench Width (ft)	Left Angle (deg)	Height (ft)	Unit Weight (kips/ft ³)	Right Angle (deg)	Right Bench Width (ft)
1	Stage 1 = 1 d	0	14	0.67	0.1	14	0
2	Stage 2 = 2 d	0	14	0.67	0.1	14	0
3	Stage 3 = 3 d	0	14	0.67	0.1	14	0
4	Stage 4 = 4 d	0	14	0.67	0.1	14	0
5	Stage 5 = 5 d	0	14	0.67	0.1	14	0
6	Stage 6 = 6 d	0	14	0.67	0.1	14	0
7	Stage 7 = 7 d	0	14	0.67	0.1	14	0
8	Stage 8 = 8 d	0	14	0.67	0.1	14	0
9	Stage 9 = 10 d	0	14	0.64	0.1	14	0





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Gray Fat Clay (CH)	2	1.5	No
2	Very Soft to Medium Gray Fat Clay (CH)	2	3.5	No
3	Very Soft to Medium Gray Fat Clay (CH) 2	8	5.5	Yes
4	Very Soft to Soft Gray Clay	6	13.5	Yes
5	Very Soft to Soft Gray Clay 2	7	19.5	Yes
6	Medium Gray Lean Clay (CL)	5	26.5	No



Soil Properties

Property	Very Soft Gray Fat Clay (CH)	Very Soft to Medium Gray Fat Clay (CH)	Very Soft to Medium Gray Fat Clay (CH) 2	Very Soft to Soft Gray Clay
Color				
Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	2.92	0.75	0.39	0.39
Cr	0.53	0.13	0.07	0.07
e0	4.82	2.3	1.4	1.4
OCR	4	4	4	2.46
Cv [ft ² /d]	0.03	0.033	0.11	0.11
Cvr [ft ² /d]	0.03	0.033	0.11	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Very Soft to Soft Gray Clay 2	Medium Gray Lean Clay (CL)
Color		
Unit Weight [kips/ft ³]	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.115	0.115
K0	1	1
Primary Consolidation	Enabled	Enabled
Material Type	Non-Linear	Non-Linear
Cc	0.21	0.21
Cr	0.04	0.04
e0	0.92	0.92
OCR	1.58	3.6
Cv [ft ² /d]	0.5	0.5
Cvr [ft ² /d]	0.5	0.5
B-bar	1	1
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	-2 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 69

Appendix IV – Marsh Fill Settlement

DRAFT

Design Parameters Summary Sheet

Project Name: New Orleans Landbridge Marsh Creation PO-169		
Location: Cell 1, Orleans Parish, LA		
File No.: 458517006		
Mudline El.: -1.5	feet, NAVD88 Geoid 12A	
Water El.: 0.5	feet, NAVD88 Geoid 12A	
End of Const. El.: 4	feet, NAVD88 Geoid 12A	
Top of Incomp. Lyr. El.: -1.5	feet, NAVD88 Geoid 12A	
Void Ratio Incomp. Lyr.: 2.35		
K Incomp. Lyr.: 0.001	feet/day	
Drainage Path Length: 50 feet		
Unit Weight of Water: 62.4 pounds per cubic foot		
Desiccation Limit, e_{DL} :		
1.49+0.0123(PI)	1.98	New PSDDF User Guide pg. 52
Saturation Limit, e_{SL} :		
1.8(LL)(Gs)	3.10	EM 1110-2-5027
1.26+0.0515(PI)	3.32	New PSDDF User Guide pg. 52
Saturation at e_{DL} , S_{DL} :		
1.2(Gs)(PL)/edl	39.09	New PSDDF User Guide pg. 52
Secondary Compression ($C\alpha$):		
0.0001(MC)	0.005	NAVFAC DM-7.1 pg. 7.1-237
0.00168 + 0.000333(PI)	0.015	Nakase et. al.
Depth of 2nd Stage drying, h_2 :		
0.78+0.000727(PI)	0.809	New PSDDF User Guide pg. 52
Recompression Index (Cr):		
0.000463(LL)(Gs)	0.080	Nagaraj and Murthy (1985)

Material No.	Self weight or low stress consol test(s)			Reconstructed laboratory consolidation curves and test results					
	1	2	3	2	3	4	5	6	7
SG:	2.69								
Liquid Limit:	64								
Plastic Limit:	24								
Plasticity Index:	40								
Cc	1.22								
$C\alpha/Cc$:	0.008								
C_r/Cc :	0.065								
Water Content:	53								
$C\alpha$:	See C21 and C22 for dredged fill								
Cr:	See C27 for dredged fill								

Dredged Material Summary - Material 1 (based on self-weight or low stress consolidation test(s))

Effective Stress (psf)	Test 1		Test 2		Test 3		Test 4		PSDDF INPUT		
	Void Ratio	Permeability (ft/day)	Void Ratio	Permeability (ft/day)	Void Ratio	Permeability (ft/day)	Void Ratio	Permeability (ft/day)	Average Void Ratio	Effective Stress (psf)	Average Permeability (ft/day)
0.00001									10.61	0.00001	2.20E+06
1	4.36	3.04E-01	0.00	0.00E+00					4.31	1	2.71E-01
2	4.36	3.37E-01	0.00	0.00E+00					3.93	2	1.04E-01
5	4.35	9.63E-02	0.00	0.00E+00					3.43	5	2.93E-02
10	2.24	4.67E-04	0.00	0.00E+00					3.05	10	1.12E-02
25	2.06	7.43E-04	0.00	0.00E+00					2.55	25	3.17E-03
50	1.79	6.01E-04	0.00	0.00E+00					2.17	50	1.22E-03
100	1.59	2.97E-04	0.00	0.00E+00					1.79	100	4.66E-04
200	1.44	1.59E-04	0.00	0.00E+00					1.41	200	1.79E-04
400	1.18	1.10E-04	0.00	0.00E+00					1.04	400	6.87E-05

Design Parameters Summary Sheet

Project Name: New Orleans Landbridge Marsh Creation PO-169		
Location: Cells 2 and 4, Orleans Parish, LA		
File No.: 458517006		
Mudline El.:	-1.5	feet, NAVD88 Geoid 12A
Water El.:	0.5	feet, NAVD88 Geoid 12A
End of Const. El.:	4	feet, NAVD88 Geoid 12A
Top of Incomp. Lyr. El.:	-1.5	feet, NAVD88 Geoid 12A
Void Ratio Incomp. Lyr.: 2.35		
K Incomp. Lyr.:	0.001	feet/day
Drainage Path Length: 50 feet		
Unit Weight of Water: 62.4 pounds per cubic foot		
Desiccation Limit, e _{DL} :		
1.49+0.0123(PI)	1.75	New PSDDF User Guide pg. 52
Saturation Limit, e _{SL} :		
1.8(LL)(Gs)	3.23	EM 1110-2-5027
1.26+0.0515(PI)	2.37	New PSDDF User Guide pg. 52
Saturation at e _{DL} , S _{DL} :		
1.2(Gs)(PL)/edl	43.99	New PSDDF User Guide pg. 52
Secondary Compression (C _α):		
0.0001(MC)	0.006	NAVFAC DM-7.1 pg. 7.1-237
0.00168 + 0.000333(PI)	0.009	Nakase et. al.
Depth of 2nd Stage drying, h ₂ :		
0.78+0.000727(PI)	0.796	New PSDDF User Guide pg. 52
Recompression Index (Cr):		
0.000463(LL)(Gs)	0.083	Nagaraj and Murthy (1985)

	Self weight or low stress consol test(s)			Reconstructed laboratory consolidation curves and test results					
Material No.	1	2	3	2	3	4	5	6	7
SG:	2.68								
Liquid Limit:	67								
Plastic Limit:	24								
Plasticity Index:	43	0							
Cc	0.85								
C _a /C _c :	0.009								
C _r /C _c :	0.098								
Water Content:	62								
C _α :	See C21 and C22 for dredged fill								
Cr:	See C27 for dredged fill								

Dredged Material Summary - Material 1 (based on self-weight or low stress consolidation test(s))

Effective Stress (psf)	Test 1		Test 2		Test 3		Test 4		PSDDF INPUT		
	Void Ratio	Permeability (ft/day)	Void Ratio	Permeability (ft/day)	Void Ratio	Permeability (ft/day)	Void Ratio	Permeability (ft/day)	Average Void Ratio	Effective Stress (psf)	Average Permeability (ft/day)
0.0001									6.25	0.0001	1.41E+05
1	2.76	2.75E-01	0.00	0.00E+00					2.73	1	2.45E-01
2	2.76	1.12E-01	0.00	0.00E+00					2.46	2	9.02E-02
5	2.75	3.08E-02	0.00	0.00E+00					2.11	5	2.41E-02
10	2.48	8.30E-04	0.00	0.00E+00					1.85	10	8.88E-03
25	1.14	7.48E-03	0.00	0.00E+00					1.50	25	2.37E-03
50	1.09	7.97E-04	0.00	0.00E+00					1.23	50	8.74E-04
100	0.84	1.39E-04	0.00	0.00E+00					0.97	100	3.22E-04
200	0.71	9.74E-05	0.00	0.00E+00					0.71	200	1.19E-04
400	0.54	1.10E-04	0.00	0.00E+00					0.44	400	4.37E-05

Project Name: New Orleans Landbridge Marsh Creation PO-169

Location: Orleans Parish, Louisiana

File No.: 458517006

Weather Inputs:

Month #	Month	Monthly Rainfall ¹ (ft)	Monthly Evaporation ² (ft)
1	January	0.47	0.19
2	February	0.41	0.28
3	March	0.44	0.40
4	April	0.36	0.54
5	May	0.43	0.60
6	June	0.46	0.64
7	July	0.57	0.56
8	August	0.58	0.53
9	September	0.42	0.46
10	October	0.32	0.44
11	November	0.37	0.29
12	December	0.41	0.21

Site Inputs:

Evaporation Efficiency:	0.8
Drainage Efficiency:	0.8
External water surface El. (feet) :	0.5
Time after initial dredge fill placement at which desiccation starts:	30 days
Month at which desiccation starts:	June (6)

Notes:

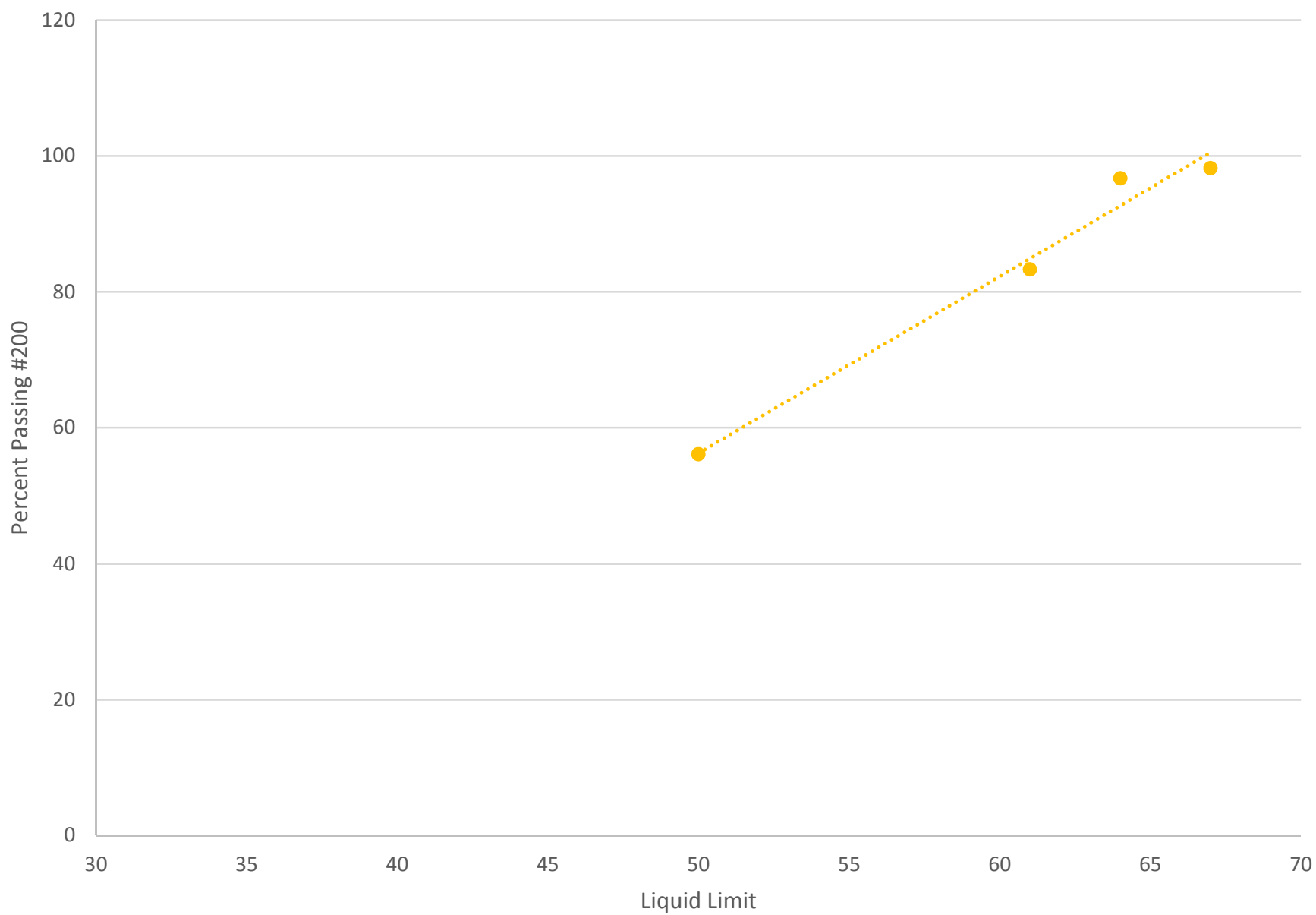
1. Monthly precipitation data presented is an average of values between 1981 and 2010 Thompson's 3 WSW NOAA website
2. Monthly evaporation data presented is an average of values between 1981 and 2010 for LSU Ben-Hur Exp Station

Source: Pan evaporation based on NOAA Technical Report NWS 34

Precipitation based on summary of monthly normals from 1981 to 2010, U.S. Department of Commerce, NOAA

DRAFT

Liquid Limit vs Percent Passing #200



DRAFT

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100 'B123 E1 +1.5 PO-169' 1 1
101 1 1 1
102 4.86 0.0001 50 -1.5 0.5 62.4 0
103 0 0 1
104 1 2.69 0.008 0.065 1.98 3.32 0.809 0.39 10
105 10.61 0.00E+00 2.20E+03
106 04.31 1.00E+00 2.71E-01
107 03.93 2.00E+00 1.04E-01
108 03.43 5.00E+00 2.93E-02
109 03.05 1.00E+01 1.12E-02
110 02.55 2.50E+01 3.17E-03
111 02.17 5.00E+01 1.22E-03
112 01.79 1.00E+02 4.66E-04
113 01.41 2.00E+02 1.79E-04
114 01.04 4.00E+02 6.87E-05
115 20
116 2 60 4 1 10.61 1 25
117 10 2 60 4 1 10.61 1 25
118 20 2 60 4 1 10.61 1 25
119 30 2.3 60 4 1 10.61 1 25
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

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 Consolidation and desiccation of soft layers---dredged fill

Problem B123 El +1.5 PO-169

*****Soil data for dredged fill*****

Material Type	Specific Gravity	Ca/Cc	Cr/Cc	Saturation Limit	Disiccation Limit	Max. Crust Depth	Saturation at DL
1	2.690	0.008	0.065	3.320	1.980	0.809	0.390

Material type : 1

I	Void Ratio	Effective Stress	Perm-eability	k/1+e PK	Beta	Dsde	Alpha
1	10.610	0.000E+00	0.220E+04	0.189E+03	0.301E+02	-0.159E+00	-0.301E+02
2	4.310	0.100E+01	0.271E+00	0.510E-01	0.284E+02	-0.299E+00	-0.153E-01
3	3.930	0.200E+01	0.104E+00	0.211E-01	0.505E-01	-0.455E+01	-0.959E-01
4	3.430	0.500E+01	0.293E-01	0.661E-02	0.208E-01	-0.909E+01	-0.601E-01
5	3.050	0.100E+02	0.112E-01	0.277E-02	0.650E-02	-0.227E+02	-0.629E-01
6	2.550	0.250E+02	0.317E-02	0.893E-03	0.271E-02	-0.455E+02	-0.406E-01
7	2.170	0.500E+02	0.122E-02	0.385E-03	0.955E-03	-0.987E+02	-0.380E-01
8	1.790	0.100E+03	0.466E-03	0.167E-03	0.409E-03	-0.197E+03	-0.330E-01
9	1.410	0.200E+03	0.179E-03	0.743E-04	0.178E-03	-0.400E+03	-0.297E-01
10	1.040	0.400E+03	0.687E-04	0.337E-04	0.110E-03	-0.541E+03	-0.182E-01

Summary of lifts and print detail

Time days	Material Type	Fill Height	# Sub-layers	Void ratio	Start Day	Dessic. Month	Print detail
0.	1	2.0	25	10.61	60.	4	1
10.	1	2.0	25	10.61	60.	4	1
20.	1	2.0	25	10.61	60.	4	1
30.	1	2.3	25	10.61	60.	4	1
31.					60.	4	1
45.					60.	4	1
75.					60.	4	1
90.					60.	4	1
150.					60.	4	1
180.					60.	4	1
210.					60.	4	1
240.					60.	4	1
270.					60.	4	1

	B115.pso		
365.	60.	4	1
455.	60.	4	1
730.	60.	4	1
1095.	60.	4	1
1825.	60.	4	1
3650.	60.	4	1
7300.	60.	4	1

Summary of monthly rainfall and evaporation potential

Month	Rainfall	Evaporation
1	0.470	0.190
2	0.410	0.280
3	0.440	0.400
4	0.360	0.540
5	0.430	0.600
6	0.460	0.640
7	0.570	0.560
8	0.580	0.530
9	0.420	0.460
10	0.320	0.440
11	0.370	0.290
12	0.410	0.210

*****Calculation data*****

tau	Lower layer Void ratio	Lower layer Permeability	drainage path Length
.488E-04	4.860	0.10000E-03	z = 8.53

Summary of desiccation parameters

Parameter	value
Surface Drainage Efficiency	0.80
maximum evaporation efficiency	0.80

B115.pso

time to desic. after initial fill	60.00
month of initial desiccation	4
elevation of fixed water table	0.50
elevation of top of incompres. found.	-1.50

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*****Initial Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
2.00	2.00	0.17	10.61	10.61	10.61	1
1.92	1.92	0.17	10.61	10.61	6.03	1
1.84	1.84	0.16	10.61	10.61	4.14	1
1.76	1.76	0.15	10.61	10.61	3.90	1
1.68	1.68	0.14	10.61	10.61	3.78	1
1.60	1.60	0.14	10.61	10.61	3.66	1
1.52	1.52	0.13	10.61	10.61	3.54	1
1.44	1.44	0.12	10.61	10.61	3.42	1
1.36	1.36	0.12	10.61	10.61	3.37	1
1.28	1.28	0.11	10.61	10.61	3.31	1
1.20	1.20	0.10	10.61	10.61	3.26	1
1.12	1.12	0.10	10.61	10.61	3.20	1
1.04	1.04	0.09	10.61	10.61	3.15	1
0.96	0.96	0.08	10.61	10.61	3.09	1
0.88	0.88	0.08	10.61	10.61	3.04	1
0.80	0.80	0.07	10.61	10.61	3.02	1
0.72	0.72	0.06	10.61	10.61	3.00	1
0.64	0.64	0.06	10.61	10.61	2.97	1
0.56	0.56	0.05	10.61	10.61	2.95	1
0.48	0.48	0.04	10.61	10.61	2.92	1
0.40	0.40	0.03	10.61	10.61	2.90	1
0.32	0.32	0.03	10.61	10.61	2.87	1
0.24	0.24	0.02	10.61	10.61	2.85	1
0.16	0.16	0.01	10.61	10.61	2.83	1
0.08	0.08	0.01	10.61	10.61	2.80	1
0.00	0.00	0.00	10.61	10.61	2.78	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.00	0.00	0.00	0.00	0.00	0.00	1
1.92	5.72	0.00	5.72	4.99	0.73	1
1.84	11.44	0.00	11.44	9.98	1.45	1
1.76	17.16	0.00	17.16	14.98	2.18	1
1.68	22.87	0.00	22.87	19.97	2.91	1
1.60	28.59	0.00	28.59	24.96	3.63	1
1.52	34.31	0.00	34.31	29.95	4.36	1
1.44	40.03	0.00	40.03	34.94	5.09	1
1.36	45.75	0.00	45.75	39.94	5.81	1
1.28	51.47	0.00	51.47	44.93	6.54	1
1.20	57.19	0.00	57.19	49.92	7.27	1
1.12	62.91	0.00	62.91	54.91	7.99	1
1.04	68.62	0.00	68.62	59.90	8.72	1
0.96	74.34	0.00	74.34	64.90	9.45	1
0.88	80.06	0.00	80.06	69.89	10.17	1
0.80	85.78	0.00	85.78	74.88	10.90	1

			B115.pso			
0.72	91.50	0.00	91.50	79.87	11.63	1
0.64	97.22	0.00	97.22	84.86	12.35	1
0.56	102.94	0.00	102.94	89.86	13.08	1
0.48	108.65	0.00	108.65	94.85	13.81	1
0.40	114.37	0.00	114.37	99.84	14.53	1
0.32	120.09	0.00	120.09	104.83	15.26	1
0.24	125.81	0.00	125.81	109.82	15.99	1
0.16	131.53	0.00	131.53	114.82	16.71	1
0.08	137.25	0.00	137.25	119.81	17.44	1
0.00	142.97	0.00	142.97	124.80	18.17	1

Time = 0. Degree of Consolidation = 0.0%

Total Settlement = 0.000

Settlement at End of Primary Consolidation = 1.234

Settlement caused by Primary Consolidation at time 0. = 0.000

Settlement caused by Secondary Compression at time 0. = 0.000

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
2.00	0.77	0.17	10.61	10.61	10.61	1
1.92	0.71	0.17	10.61	6.40	6.03	1
1.84	0.67	0.16	10.61	4.14	4.14	1
1.76	0.63	0.15	10.61	3.91	3.90	1
1.68	0.60	0.14	10.61	3.78	3.78	1
1.60	0.57	0.14	10.61	3.66	3.66	1
1.52	0.54	0.13	10.61	3.55	3.54	1
1.44	0.50	0.12	10.61	3.45	3.42	1
1.36	0.47	0.12	10.61	3.37	3.37	1
1.28	0.44	0.11	10.61	3.31	3.31	1
1.20	0.41	0.10	10.61	3.26	3.26	1
1.12	0.39	0.10	10.61	3.21	3.20	1
1.04	0.36	0.09	10.61	3.17	3.15	1
0.96	0.33	0.08	10.61	3.13	3.09	1
0.88	0.30	0.08	10.61	3.10	3.04	1
0.80	0.27	0.07	10.61	3.07	3.02	1
0.72	0.24	0.06	10.61	3.04	3.00	1
0.64	0.22	0.06	10.61	3.01	2.97	1
0.56	0.19	0.05	10.61	2.99	2.95	1
0.48	0.16	0.04	10.61	2.96	2.92	1
0.40	0.13	0.03	10.61	2.94	2.90	1
0.32	0.11	0.03	10.61	2.91	2.87	1
0.24	0.08	0.02	10.61	2.89	2.85	1
0.16	0.05	0.01	10.61	2.87	2.83	1
0.08	0.03	0.01	10.61	2.84	2.80	1
0.00	0.00	0.00	10.61	2.82	2.78	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
0.77	76.58	0.00	76.58	76.58	0.00	1

			B115.pso			
0.71	81.33	0.67	80.66	80.60	0.06	1
0.67	84.61	1.45	83.15	83.15	0.00	1
0.63	87.49	2.13	85.36	85.31	0.05	1
0.60	90.30	2.91	87.39	87.39	0.00	1
0.57	93.05	3.63	89.42	89.42	0.00	1
0.54	95.76	4.31	91.45	91.40	0.05	1
0.50	98.42	4.87	93.55	93.33	0.22	1
0.47	101.04	5.73	95.31	95.23	0.08	1
0.44	103.64	6.54	97.10	97.10	0.00	1
0.41	106.20	7.27	98.94	98.94	0.00	1
0.39	108.75	7.91	100.84	100.76	0.09	1
0.36	111.28	8.46	102.82	102.56	0.26	1
0.33	113.79	8.94	104.84	104.34	0.50	1
0.30	116.28	9.38	106.90	106.11	0.79	1
0.27	118.77	9.78	108.99	107.87	1.12	1
0.24	121.23	10.34	110.89	109.61	1.28	1
0.22	123.69	11.15	112.54	111.34	1.20	1
0.19	126.14	11.94	114.20	113.06	1.14	1
0.16	128.57	12.69	115.88	114.77	1.11	1
0.13	131.00	13.43	117.57	116.46	1.11	1
0.11	133.41	14.14	119.27	118.15	1.12	1
0.08	135.81	14.84	120.97	119.83	1.14	1
0.05	138.21	15.53	122.68	121.49	1.18	1
0.03	140.59	16.20	124.39	123.15	1.24	1
0.00	142.97	16.87	126.10	124.80	1.30	1

Time = 10. Degree of Consolidation = 99.0%

Total Settlement = 1.227

Settlement at End of Primary Consolidation = 1.234

Settlement caused by Primary Consolidation at time 10. = 1.227

Settlement caused by Secondary Compression at time 10. = 0.000

Surface Elevation = -0.73

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	E _{op}	Material
4.00	1.45	0.34	10.61	10.61	10.61	1
3.92	1.39	0.34	10.61	6.40	6.03	1
3.84	1.35	0.33	10.61	4.14	4.14	1
3.76	1.31	0.32	10.61	3.91	3.90	1
3.68	1.28	0.32	10.61	3.78	3.78	1
3.60	1.25	0.31	10.61	3.66	3.66	1
3.52	1.22	0.30	10.61	3.56	3.54	1
3.44	1.18	0.30	10.61	3.48	3.42	1
3.36	1.15	0.29	10.61	3.41	3.37	1
3.28	1.12	0.28	10.61	3.36	3.31	1
3.20	1.09	0.28	10.61	3.32	3.26	1
3.12	1.06	0.27	10.61	3.28	3.20	1
3.04	1.03	0.26	10.61	3.25	3.15	1
2.96	1.01	0.25	10.61	3.22	3.09	1
2.88	0.98	0.25	10.61	3.20	3.04	1

			B115.pso			
2.80	0.95	0.24	10.61	3.18	3.02	1
2.72	0.92	0.23	10.61	3.16	3.00	1
2.64	0.89	0.23	10.61	3.14	2.97	1
2.56	0.86	0.22	10.61	3.13	2.95	1
2.48	0.83	0.21	10.61	3.11	2.92	1
2.40	0.80	0.21	10.61	3.10	2.90	1
2.32	0.78	0.20	10.61	3.08	2.87	1
2.24	0.75	0.19	10.61	3.07	2.85	1
2.16	0.72	0.19	10.61	3.06	2.83	1
2.08	0.69	0.18	10.61	3.05	2.80	1
2.00	0.66	0.17	10.61	3.03	2.78	1
2.00	0.66	0.17	10.61	3.03	2.78	1
1.92	0.64	0.17	10.61	3.02	2.75	1
1.84	0.61	0.16	10.61	3.01	2.73	1
1.76	0.58	0.15	10.61	3.00	2.71	1
1.68	0.55	0.14	10.61	2.98	2.68	1
1.60	0.53	0.14	10.61	2.97	2.66	1
1.52	0.50	0.13	10.61	2.96	2.63	1
1.44	0.47	0.12	10.61	2.94	2.61	1
1.36	0.45	0.12	10.61	2.93	2.58	1
1.28	0.42	0.11	10.61	2.92	2.56	1
1.20	0.39	0.10	10.61	2.90	2.54	1
1.12	0.36	0.10	10.61	2.89	2.53	1
1.04	0.34	0.09	10.61	2.87	2.52	1
0.96	0.31	0.08	10.61	2.86	2.51	1
0.88	0.28	0.08	10.61	2.84	2.50	1
0.80	0.26	0.07	10.61	2.83	2.49	1
0.72	0.23	0.06	10.61	2.81	2.48	1
0.64	0.21	0.06	10.61	2.80	2.47	1
0.56	0.18	0.05	10.61	2.78	2.46	1
0.48	0.15	0.04	10.61	2.76	2.44	1
0.40	0.13	0.03	10.61	2.75	2.43	1
0.32	0.10	0.03	10.61	2.73	2.42	1
0.24	0.08	0.02	10.61	2.71	2.41	1
0.16	0.05	0.01	10.61	2.70	2.40	1
0.08	0.03	0.01	10.61	2.68	2.39	1
0.00	0.00	0.00	10.61	2.66	2.38	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.45	34.13	0.00	34.13	34.13	0.00	1
1.39	38.88	0.67	38.21	38.15	0.06	1
1.35	42.16	1.45	40.71	40.71	0.00	1
1.31	45.04	2.13	42.91	42.86	0.05	1
1.28	47.85	2.91	44.94	44.94	0.00	1
1.25	50.61	3.63	46.97	46.97	0.00	1
1.22	53.31	4.22	49.09	48.95	0.14	1
1.18	55.98	4.71	51.28	50.90	0.38	1
1.15	58.62	5.22	53.40	52.81	0.59	1
1.12	61.23	5.92	55.31	54.69	0.62	1
1.09	63.82	6.49	57.34	56.56	0.78	1
1.06	66.40	6.96	59.44	58.41	1.03	1
1.03	68.96	7.36	61.60	60.24	1.36	1
1.01	71.51	7.70	63.81	62.06	1.74	1
0.98	74.05	8.01	66.04	63.87	2.17	1
0.95	76.58	8.28	68.30	65.68	2.62	1
0.92	79.10	8.53	70.57	67.47	3.10	1
0.89	81.61	8.75	72.85	69.26	3.60	1
0.86	84.11	8.97	75.15	71.03	4.11	1
0.83	86.61	9.17	77.44	72.81	4.64	1
0.80	89.10	9.36	79.75	74.57	5.17	1

			B115.pso			
0.78	91.59	9.54	82.05	76.33	5.72	1
0.75	94.07	9.72	84.35	78.08	6.27	1
0.72	96.54	9.89	86.66	79.83	6.82	1
0.69	99.01	10.13	88.88	81.57	7.31	1
0.66	101.48	10.51	90.97	83.31	7.66	1
0.66	101.48	10.51	90.97	83.31	7.66	1
0.64	103.94	10.89	93.05	85.04	8.01	1
0.61	106.39	11.27	95.12	86.77	8.35	1
0.58	108.83	11.65	97.19	88.49	8.70	1
0.55	111.28	12.03	99.25	90.20	9.05	1
0.53	113.71	12.41	101.30	91.91	9.39	1
0.50	116.14	12.80	103.34	93.62	9.72	1
0.47	118.57	13.20	105.37	95.32	10.05	1
0.45	120.99	13.60	107.39	97.01	10.38	1
0.42	123.40	14.01	109.39	98.70	10.69	1
0.39	125.81	14.43	111.38	100.38	11.00	1
0.36	128.21	14.86	113.35	102.05	11.30	1
0.34	130.61	15.30	115.31	103.72	11.59	1
0.31	132.99	15.74	117.26	105.38	11.88	1
0.28	135.38	16.19	119.19	107.04	12.15	1
0.26	137.75	16.65	121.11	108.69	12.42	1
0.23	140.12	17.11	123.01	110.33	12.68	1
0.21	142.49	17.58	124.90	111.97	12.94	1
0.18	144.84	18.06	126.78	113.60	13.18	1
0.15	147.19	18.55	128.64	115.22	13.42	1
0.13	149.53	19.05	130.49	116.83	13.65	1
0.10	151.87	19.55	132.32	118.44	13.88	1
0.08	154.19	20.06	134.14	120.04	14.09	1
0.05	156.52	20.58	135.94	121.64	14.30	1
0.03	158.83	21.10	137.72	123.22	14.50	1
0.00	161.13	21.64	139.49	124.80	14.69	1

Time = 20. Degree of Consolidation = 97.0%

Total Settlement = 2.547

Settlement at End of Primary Consolidation = 2.624

Settlement caused by Primary Consolidation at time 20. = 2.547

Settlement caused by Secondary Compression at time 20. = 0.000

Surface Elevation = -0.05

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
6.00	2.12	0.52	10.61	10.61	10.61	1
5.92	2.06	0.51	10.61	6.40	6.03	1
5.84	2.02	0.50	10.61	4.14	4.14	1
5.76	1.98	0.50	10.61	3.91	3.90	1
5.68	1.95	0.49	10.61	3.78	3.78	1
5.60	1.92	0.48	10.61	3.66	3.66	1
5.52	1.88	0.48	10.61	3.57	3.54	1
5.44	1.85	0.47	10.61	3.50	3.42	1
5.36	1.82	0.46	10.61	3.44	3.37	1

5.28	1.79	0.45	B115.pso 10.61	3.39	3.31	1
5.20	1.76	0.45	10.61	3.35	3.26	1
5.12	1.73	0.44	10.61	3.31	3.20	1
5.04	1.70	0.43	10.61	3.29	3.15	1
4.96	1.67	0.43	10.61	3.26	3.09	1
4.88	1.64	0.42	10.61	3.25	3.04	1
4.80	1.61	0.41	10.61	3.23	3.02	1
4.72	1.58	0.41	10.61	3.21	3.00	1
4.64	1.56	0.40	10.61	3.20	2.97	1
4.56	1.53	0.39	10.61	3.19	2.95	1
4.48	1.50	0.39	10.61	3.17	2.92	1
4.40	1.47	0.38	10.61	3.16	2.90	1
4.32	1.44	0.37	10.61	3.15	2.87	1
4.24	1.41	0.37	10.61	3.14	2.85	1
4.16	1.38	0.36	10.61	3.13	2.83	1
4.08	1.36	0.35	10.61	3.12	2.80	1
4.00	1.33	0.34	10.61	3.11	2.78	1
4.00	1.33	0.34	10.61	3.11	2.78	1
3.92	1.30	0.34	10.61	3.10	2.75	1
3.84	1.27	0.33	10.61	3.09	2.73	1
3.76	1.24	0.32	10.61	3.09	2.71	1
3.68	1.21	0.32	10.61	3.08	2.68	1
3.60	1.19	0.31	10.61	3.07	2.66	1
3.52	1.16	0.30	10.61	3.06	2.63	1
3.44	1.13	0.30	10.61	3.05	2.61	1
3.36	1.10	0.29	10.61	3.04	2.58	1
3.28	1.07	0.28	10.61	3.03	2.56	1
3.20	1.05	0.28	10.61	3.02	2.54	1
3.12	1.02	0.27	10.61	3.01	2.53	1
3.04	0.99	0.26	10.61	3.00	2.52	1
2.96	0.96	0.25	10.61	2.99	2.51	1
2.88	0.94	0.25	10.61	2.98	2.50	1
2.80	0.91	0.24	10.61	2.97	2.49	1
2.72	0.88	0.23	10.61	2.96	2.48	1
2.64	0.85	0.23	10.61	2.95	2.47	1
2.56	0.83	0.22	10.61	2.94	2.46	1
2.48	0.80	0.21	10.61	2.93	2.44	1
2.40	0.77	0.21	10.61	2.92	2.43	1
2.32	0.75	0.20	10.61	2.91	2.42	1
2.24	0.72	0.19	10.61	2.90	2.41	1
2.16	0.69	0.19	10.61	2.89	2.40	1
2.08	0.67	0.18	10.61	2.88	2.39	1
2.00	0.64	0.17	10.61	2.86	2.38	1
2.00	0.64	0.17	10.61	2.86	2.38	1
1.92	0.61	0.17	10.61	2.85	2.37	1
1.84	0.59	0.16	10.61	2.84	2.36	1
1.76	0.56	0.15	10.61	2.83	2.34	1
1.68	0.53	0.14	10.61	2.82	2.33	1
1.60	0.51	0.14	10.61	2.81	2.32	1
1.52	0.48	0.13	10.61	2.79	2.31	1
1.44	0.45	0.12	10.61	2.78	2.30	1
1.36	0.43	0.12	10.61	2.77	2.29	1
1.28	0.40	0.11	10.61	2.76	2.28	1
1.20	0.38	0.10	10.61	2.74	2.27	1
1.12	0.35	0.10	10.61	2.73	2.26	1
1.04	0.33	0.09	10.61	2.72	2.25	1
0.96	0.30	0.08	10.61	2.71	2.23	1
0.88	0.27	0.08	10.61	2.69	2.22	1
0.80	0.25	0.07	10.61	2.68	2.21	1
0.72	0.22	0.06	10.61	2.67	2.20	1
0.64	0.20	0.06	10.61	2.65	2.19	1
0.56	0.17	0.05	10.61	2.64	2.18	1
0.48	0.15	0.04	10.61	2.62	2.17	1

			B115.pso			
0.40	0.12	0.03	10.61	2.61	2.16	1
0.32	0.10	0.03	10.61	2.60	2.16	1
0.24	0.07	0.02	10.61	2.58	2.15	1
0.16	0.05	0.01	10.61	2.57	2.15	1
0.08	0.02	0.01	10.61	2.55	2.14	1
0.00	0.00	0.00	10.61	2.54	2.14	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.12	0.00	0.00	0.00	0.00	0.00	1
2.06	4.75	0.67	4.08	4.02	0.06	1
2.02	8.03	1.45	6.57	6.57	0.00	1
1.98	10.91	2.13	8.78	8.73	0.05	1
1.95	13.72	2.91	10.81	10.81	0.00	1
1.92	16.47	3.60	12.87	12.84	0.03	1
1.88	19.18	4.15	15.03	14.82	0.21	1
1.85	21.86	4.60	17.26	16.77	0.49	1
1.82	24.51	4.96	19.54	18.69	0.85	1
1.79	27.13	5.57	21.56	20.59	0.97	1
1.76	29.73	6.09	23.64	22.47	1.18	1
1.73	32.32	6.52	25.81	24.33	1.48	1
1.70	34.90	6.87	28.03	26.18	1.85	1
1.67	37.46	7.17	30.29	28.02	2.27	1
1.64	40.02	7.43	32.59	29.85	2.74	1
1.61	42.57	7.66	34.90	31.67	3.24	1
1.58	45.11	7.87	37.24	33.48	3.76	1
1.56	47.64	8.05	39.59	35.29	4.30	1
1.53	50.17	8.22	41.95	37.09	4.86	1
1.50	52.70	8.38	44.32	38.89	5.43	1
1.47	55.21	8.53	46.69	40.68	6.01	1
1.44	57.73	8.67	49.06	42.47	6.59	1
1.41	60.24	8.80	51.44	44.25	7.19	1
1.38	62.74	8.93	53.82	46.03	7.79	1
1.36	65.24	9.05	56.19	47.80	8.39	1
1.33	67.74	9.17	58.57	49.57	8.99	1
1.33	67.74	9.17	58.57	49.57	8.99	1
1.30	70.23	9.29	60.94	51.34	9.60	1
1.27	72.72	9.41	63.31	53.10	10.21	1
1.24	75.21	9.53	65.68	54.86	10.82	1
1.21	77.69	9.65	68.04	56.62	11.42	1
1.19	80.17	9.77	70.40	58.37	12.03	1
1.16	82.64	9.88	72.76	60.12	12.64	1
1.13	85.11	10.00	75.11	61.86	13.25	1
1.10	87.58	10.27	77.30	63.60	13.71	1
1.07	90.04	10.55	79.49	65.33	14.16	1
1.05	92.50	10.83	81.67	67.06	14.60	1
1.02	94.95	11.12	83.84	68.79	15.04	1
0.99	97.40	11.41	86.00	70.52	15.48	1
0.96	99.85	11.70	88.15	72.23	15.91	1
0.94	102.29	12.00	90.29	73.95	16.34	1
0.91	104.73	12.30	92.43	75.66	16.77	1
0.88	107.16	12.61	94.55	77.37	17.19	1
0.85	109.59	12.92	96.67	79.07	17.60	1
0.83	112.01	13.23	98.78	80.77	18.01	1
0.80	114.43	13.55	100.88	82.46	18.42	1
0.77	116.85	13.88	102.97	84.15	18.82	1
0.75	119.26	14.20	105.05	85.83	19.22	1
0.72	121.66	14.53	107.13	87.51	19.62	1
0.69	124.06	14.87	109.19	89.18	20.01	1
0.67	126.46	15.21	111.25	90.85	20.40	1
0.64	128.85	15.55	113.30	92.52	20.78	1

			B115.pso			
0.64	128.85	15.55	113.30	92.52	20.78	1
0.61	131.24	15.89	115.34	94.18	21.17	1
0.59	133.62	16.24	117.38	95.83	21.55	1
0.56	135.99	16.59	119.40	97.48	21.92	1
0.53	138.36	16.94	121.42	99.12	22.29	1
0.51	140.73	17.30	123.43	100.76	22.66	1
0.48	143.09	17.67	125.42	102.40	23.03	1
0.45	145.45	18.03	127.41	104.03	23.39	1
0.43	147.80	18.40	129.39	105.65	23.74	1
0.40	150.14	18.78	131.36	107.27	24.10	1
0.38	152.48	19.16	133.32	108.88	24.44	1
0.35	154.81	19.54	135.28	110.49	24.79	1
0.33	157.14	19.93	137.22	112.09	25.13	1
0.30	159.47	20.32	139.15	113.69	25.46	1
0.27	161.78	20.72	141.07	115.28	25.79	1
0.25	164.09	21.12	142.98	116.86	26.12	1
0.22	166.40	21.52	144.88	118.44	26.44	1
0.20	168.70	21.93	146.77	120.01	26.75	1
0.17	170.99	22.35	148.64	121.58	27.06	1
0.15	173.28	22.77	150.51	123.14	27.36	1
0.12	175.56	23.20	152.36	124.70	27.66	1
0.10	177.84	23.64	154.20	126.25	27.95	1
0.07	180.11	24.08	156.03	127.79	28.24	1
0.05	182.37	24.53	157.85	129.33	28.52	1
0.02	184.63	24.98	159.65	130.86	28.79	1
0.00	186.88	25.97	160.91	132.38	28.53	1

Time = 30. Degree of Consolidation = 95.0%

Total Settlement = 3.879

Settlement at End of Primary Consolidation = 4.066

Settlement caused by Primary Consolidation at time 30. = 3.879

Settlement caused by Secondary Compression at time 30. = 0.000

Surface Elevation = 0.62

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	3.05	0.71	10.61	10.61	10.61	1
8.21	2.98	0.71	10.61	5.35	5.35	1
8.12	2.94	0.70	10.61	4.05	4.05	1
8.02	2.90	0.69	10.61	3.93	3.85	1
7.93	2.86	0.68	10.61	3.93	3.71	1
7.84	2.82	0.68	10.61	3.92	3.57	1
7.75	2.78	0.67	10.61	3.92	3.43	1
7.66	2.74	0.66	10.61	3.91	3.37	1
7.56	2.70	0.65	10.61	3.91	3.30	1
7.47	2.66	0.64	10.61	3.90	3.24	1
7.38	2.63	0.64	10.61	3.89	3.17	1
7.29	2.59	0.63	10.61	3.88	3.11	1
7.20	2.55	0.62	10.61	3.87	3.05	1
7.10	2.51	0.61	10.61	3.86	3.02	1

7.01	2.47	0.60	B115.pso 10.61	3.84	2.99	1
6.92	2.43	0.60	10.61	3.83	2.97	1
6.83	2.39	0.59	10.61	3.81	2.94	1
6.74	2.36	0.58	10.61	3.79	2.91	1
6.64	2.32	0.57	10.61	3.76	2.88	1
6.55	2.28	0.56	10.61	3.74	2.85	1
6.46	2.24	0.56	10.61	3.71	2.83	1
6.37	2.21	0.55	10.61	3.69	2.80	1
6.28	2.17	0.54	10.61	3.66	2.77	1
6.18	2.13	0.53	10.61	3.63	2.74	1
6.09	2.10	0.52	10.61	3.60	2.71	1
6.00	2.06	0.52	10.61	3.57	2.69	1
6.00	2.06	0.52	10.61	3.57	2.69	1
5.92	2.03	0.51	10.61	3.54	2.66	1
5.84	2.00	0.50	10.61	3.51	2.64	1
5.76	1.97	0.50	10.61	3.48	2.61	1
5.68	1.94	0.49	10.61	3.46	2.59	1
5.60	1.90	0.48	10.61	3.43	2.57	1
5.52	1.87	0.48	10.61	3.40	2.55	1
5.44	1.84	0.47	10.61	3.37	2.54	1
5.36	1.81	0.46	10.61	3.35	2.52	1
5.28	1.78	0.45	10.61	3.32	2.51	1
5.20	1.75	0.45	10.61	3.30	2.50	1
5.12	1.73	0.44	10.61	3.28	2.49	1
5.04	1.70	0.43	10.61	3.26	2.48	1
4.96	1.67	0.43	10.61	3.24	2.47	1
4.88	1.64	0.42	10.61	3.23	2.46	1
4.80	1.61	0.41	10.61	3.21	2.45	1
4.72	1.58	0.41	10.61	3.20	2.44	1
4.64	1.55	0.40	10.61	3.18	2.42	1
4.56	1.52	0.39	10.61	3.17	2.41	1
4.48	1.49	0.39	10.61	3.16	2.40	1
4.40	1.46	0.38	10.61	3.15	2.39	1
4.32	1.44	0.37	10.61	3.14	2.38	1
4.24	1.41	0.37	10.61	3.13	2.37	1
4.16	1.38	0.36	10.61	3.12	2.36	1
4.08	1.35	0.35	10.61	3.11	2.35	1
4.00	1.32	0.34	10.61	3.10	2.34	1
4.00	1.32	0.34	10.61	3.10	2.34	1
3.92	1.29	0.34	10.61	3.09	2.33	1
3.84	1.27	0.33	10.61	3.08	2.31	1
3.76	1.24	0.32	10.61	3.07	2.30	1
3.68	1.21	0.32	10.61	3.06	2.29	1
3.60	1.18	0.31	10.61	3.05	2.28	1
3.52	1.15	0.30	10.61	3.04	2.27	1
3.44	1.13	0.30	10.61	3.03	2.26	1
3.36	1.10	0.29	10.61	3.03	2.25	1
3.28	1.07	0.28	10.61	3.02	2.24	1
3.20	1.04	0.28	10.61	3.01	2.23	1
3.12	1.02	0.27	10.61	3.00	2.21	1
3.04	0.99	0.26	10.61	2.99	2.20	1
2.96	0.96	0.25	10.61	2.98	2.19	1
2.88	0.93	0.25	10.61	2.97	2.18	1
2.80	0.91	0.24	10.61	2.96	2.17	1
2.72	0.88	0.23	10.61	2.95	2.16	1
2.64	0.85	0.23	10.61	2.94	2.16	1
2.56	0.82	0.22	10.61	2.93	2.15	1
2.48	0.80	0.21	10.61	2.92	2.15	1
2.40	0.77	0.21	10.61	2.91	2.14	1
2.32	0.74	0.20	10.61	2.89	2.14	1
2.24	0.72	0.19	10.61	2.88	2.13	1
2.16	0.69	0.19	10.61	2.87	2.13	1
2.08	0.66	0.18	10.61	2.86	2.12	1

			B115.pso			
2.00	0.64	0.17	10.61	2.85	2.12	1
2.00	0.64	0.17	10.61	2.85	2.12	1
1.92	0.61	0.17	10.61	2.84	2.11	1
1.84	0.58	0.16	10.61	2.83	2.10	1
1.76	0.56	0.15	10.61	2.82	2.10	1
1.68	0.53	0.14	10.61	2.80	2.09	1
1.60	0.51	0.14	10.61	2.79	2.09	1
1.52	0.48	0.13	10.61	2.78	2.08	1
1.44	0.45	0.12	10.61	2.77	2.08	1
1.36	0.43	0.12	10.61	2.76	2.07	1
1.28	0.40	0.11	10.61	2.74	2.07	1
1.20	0.38	0.10	10.61	2.73	2.06	1
1.12	0.35	0.10	10.61	2.72	2.05	1
1.04	0.32	0.09	10.61	2.71	2.05	1
0.96	0.30	0.08	10.61	2.69	2.04	1
0.88	0.27	0.08	10.61	2.68	2.04	1
0.80	0.25	0.07	10.61	2.67	2.03	1
0.72	0.22	0.06	10.61	2.65	2.03	1
0.64	0.20	0.06	10.61	2.64	2.02	1
0.56	0.17	0.05	10.61	2.63	2.02	1
0.48	0.15	0.04	10.61	2.61	2.01	1
0.40	0.12	0.03	10.61	2.60	2.00	1
0.32	0.10	0.03	10.61	2.58	2.00	1
0.24	0.07	0.02	10.61	2.57	1.99	1
0.16	0.05	0.01	10.61	2.56	1.99	1
0.08	0.02	0.01	10.61	2.54	1.98	1
0.00	0.00	0.00	10.61	2.53	1.98	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.05	0.00	0.00	0.00	0.00	0.00	1
2.98	5.05	0.84	4.22	4.22	0.00	1
2.94	8.62	1.67	6.95	6.95	0.00	1
2.90	11.92	1.99	9.92	9.41	0.51	1
2.86	15.19	2.02	13.17	11.85	1.32	1
2.82	18.46	2.05	16.41	14.28	2.13	1
2.78	21.73	2.07	19.65	16.71	2.94	1
2.74	24.99	2.10	22.89	19.14	3.75	1
2.70	28.26	2.14	26.12	21.57	4.55	1
2.66	31.52	2.18	29.34	24.00	5.34	1
2.63	34.77	2.23	32.54	26.42	6.13	1
2.59	38.03	2.29	35.74	28.83	6.90	1
2.55	41.27	2.36	38.92	31.25	7.67	1
2.51	44.51	2.44	42.08	33.65	8.43	1
2.47	47.75	2.53	45.22	36.05	9.17	1
2.43	50.97	2.63	48.35	38.44	9.91	1
2.39	54.19	2.74	51.45	40.82	10.63	1
2.36	57.40	2.86	54.53	43.19	11.34	1
2.32	60.59	3.00	57.60	45.55	12.04	1
2.28	63.78	3.14	60.64	47.90	12.74	1
2.24	66.95	3.29	63.66	50.24	13.42	1
2.21	70.11	3.46	66.66	52.56	14.09	1
2.17	73.26	3.63	69.63	54.88	14.76	1
2.13	76.39	3.80	72.59	57.17	15.42	1
2.10	79.51	3.99	75.52	59.45	16.07	1
2.06	82.61	4.17	78.44	61.72	16.72	1
2.06	82.61	4.17	78.44	61.72	16.72	1
2.03	85.30	4.34	80.96	63.68	17.28	1
2.00	87.97	4.50	83.46	65.62	17.84	1
1.97	90.63	4.67	85.96	67.56	18.40	1
1.94	93.28	4.84	88.44	69.48	18.96	1

1.90	95.92	5.03	B115.pso 90.88	71.39	19.49	1
1.87	98.54	5.40	93.14	73.29	19.85	1
1.84	101.15	5.75	95.40	75.17	20.23	1
1.81	103.75	6.09	97.67	77.05	20.62	1
1.78	106.34	6.40	99.94	78.91	21.03	1
1.75	108.92	6.70	102.22	80.77	21.46	1
1.73	111.50	6.98	104.52	82.61	21.91	1
1.70	114.06	7.24	106.82	84.45	22.38	1
1.67	116.61	7.47	109.14	86.28	22.86	1
1.64	119.16	7.69	111.47	88.10	23.37	1
1.61	121.70	7.90	113.80	89.91	23.89	1
1.58	124.23	8.09	116.14	91.72	24.43	1
1.55	126.76	8.27	118.50	93.52	24.98	1
1.52	129.28	8.43	120.85	95.31	25.54	1
1.49	131.80	8.59	123.21	97.10	26.11	1
1.46	134.31	8.73	125.58	98.89	26.69	1
1.44	136.82	8.87	127.95	100.67	27.28	1
1.41	139.32	9.00	130.32	102.44	27.87	1
1.38	141.82	9.13	132.69	104.22	28.47	1
1.35	144.31	9.26	135.06	105.98	29.07	1
1.32	146.80	9.38	137.43	107.75	29.68	1
1.32	146.80	9.38	137.43	107.75	29.68	1
1.29	149.29	9.50	139.79	109.51	30.29	1
1.27	151.77	9.62	142.16	111.26	30.89	1
1.24	154.25	9.74	144.52	113.01	31.50	1
1.21	156.73	9.85	146.87	114.76	32.11	1
1.18	159.20	9.97	149.23	116.51	32.72	1
1.15	161.67	10.20	151.46	118.25	33.22	1
1.13	164.13	10.47	153.66	119.98	33.67	1
1.10	166.59	10.75	155.84	121.72	34.12	1
1.07	169.04	11.03	158.02	123.45	34.57	1
1.04	171.49	11.31	160.19	125.17	35.02	1
1.02	173.94	11.59	162.35	126.89	35.46	1
0.99	176.38	11.88	164.50	128.61	35.90	1
0.96	178.82	12.17	166.65	130.32	36.33	1
0.93	181.26	12.47	168.79	132.03	36.76	1
0.91	183.69	12.77	170.92	133.73	37.19	1
0.88	186.12	13.08	173.04	135.43	37.61	1
0.85	188.54	13.38	175.15	137.13	38.03	1
0.82	190.95	13.70	177.26	138.82	38.44	1
0.80	193.37	14.01	179.36	140.50	38.85	1
0.77	195.78	14.33	181.44	142.18	39.26	1
0.74	198.18	14.65	183.53	143.86	39.66	1
0.72	200.58	14.98	185.60	145.53	40.06	1
0.69	202.97	15.31	187.66	147.20	40.46	1
0.66	205.36	15.65	189.72	148.86	40.85	1
0.64	207.75	15.98	191.76	150.52	41.24	1
0.64	207.75	15.98	191.76	150.52	41.24	1
0.61	210.13	16.32	193.80	152.18	41.63	1
0.58	212.50	16.66	195.84	153.82	42.01	1
0.56	214.87	17.01	197.86	155.47	42.40	1
0.53	217.24	17.36	199.88	157.11	42.77	1
0.51	219.60	17.71	201.88	158.74	43.15	1
0.48	221.95	18.07	203.88	160.37	43.51	1
0.45	224.30	18.43	205.87	161.99	43.88	1
0.43	226.65	18.80	207.85	163.61	44.24	1
0.40	228.99	19.16	209.82	165.22	44.60	1
0.38	231.32	19.54	211.78	166.83	44.95	1
0.35	233.65	19.92	213.73	168.43	45.30	1
0.32	235.97	20.30	215.67	170.03	45.65	1
0.30	238.29	20.68	217.60	171.62	45.99	1
0.27	240.60	21.08	219.53	173.20	46.32	1
0.25	242.91	21.47	221.44	174.78	46.65	1

			B115.pso			
0.22	245.21	21.87	223.34	176.36	46.98	1
0.20	247.50	22.28	225.23	177.93	47.30	1
0.17	249.79	22.69	227.10	179.49	47.62	1
0.15	252.08	23.10	228.97	181.05	47.93	1
0.12	254.35	23.53	230.83	182.60	48.23	1
0.10	256.62	23.95	232.67	184.14	48.53	1
0.07	258.89	24.39	234.50	185.68	48.82	1
0.05	261.15	24.83	236.32	187.21	49.11	1
0.02	263.40	25.60	237.80	188.74	49.07	1
0.00	265.65	26.58	239.07	190.26	48.81	1

Time = 31. Degree of Consolidation = 91.0%

Total Settlement = 5.251

Settlement at End of Primary Consolidation = 5.762

Settlement caused by Primary Consolidation at time 31. = 5.251

Settlement caused by Secondary Compression at time 31. = 0.000

Surface Elevation = 1.55

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.85	0.71	10.61	10.61	10.61	1
8.21	2.79	0.71	10.61	5.35	5.35	1
8.12	2.74	0.70	10.61	4.05	4.05	1
8.02	2.70	0.69	10.61	3.85	3.85	1
7.93	2.67	0.68	10.61	3.71	3.71	1
7.84	2.63	0.68	10.61	3.59	3.57	1
7.75	2.59	0.67	10.61	3.50	3.43	1
7.66	2.56	0.66	10.61	3.42	3.37	1
7.56	2.52	0.65	10.61	3.37	3.30	1
7.47	2.49	0.64	10.61	3.32	3.24	1
7.38	2.45	0.64	10.61	3.29	3.17	1
7.29	2.42	0.63	10.61	3.26	3.11	1
7.20	2.39	0.62	10.61	3.24	3.05	1
7.10	2.35	0.61	10.61	3.22	3.02	1
7.01	2.32	0.60	10.61	3.20	2.99	1
6.92	2.29	0.60	10.61	3.18	2.97	1
6.83	2.25	0.59	10.61	3.17	2.94	1
6.74	2.22	0.58	10.61	3.16	2.91	1
6.64	2.19	0.57	10.61	3.15	2.88	1
6.55	2.15	0.56	10.61	3.14	2.85	1
6.46	2.12	0.56	10.61	3.13	2.83	1
6.37	2.09	0.55	10.61	3.12	2.80	1
6.28	2.06	0.54	10.61	3.11	2.77	1
6.18	2.02	0.53	10.61	3.10	2.74	1
6.09	1.99	0.52	10.61	3.09	2.71	1
6.00	1.96	0.52	10.61	3.09	2.69	1
6.00	1.96	0.52	10.61	3.09	2.69	1
5.92	1.93	0.51	10.61	3.08	2.66	1
5.84	1.90	0.50	10.61	3.07	2.64	1
5.76	1.87	0.50	10.61	3.07	2.61	1

5.68	1.85	0.49	B115.pso 10.61	3.06	2.59	1
5.60	1.82	0.48	10.61	3.05	2.57	1
5.52	1.79	0.48	10.61	3.05	2.55	1
5.44	1.76	0.47	10.61	3.04	2.54	1
5.36	1.74	0.46	10.61	3.03	2.52	1
5.28	1.71	0.45	10.61	3.03	2.51	1
5.20	1.68	0.45	10.61	3.02	2.50	1
5.12	1.65	0.44	10.61	3.01	2.49	1
5.04	1.62	0.43	10.61	3.01	2.48	1
4.96	1.60	0.43	10.61	3.00	2.47	1
4.88	1.57	0.42	10.61	2.99	2.46	1
4.80	1.54	0.41	10.61	2.99	2.45	1
4.72	1.51	0.41	10.61	2.98	2.44	1
4.64	1.49	0.40	10.61	2.97	2.42	1
4.56	1.46	0.39	10.61	2.96	2.41	1
4.48	1.43	0.39	10.61	2.96	2.40	1
4.40	1.41	0.38	10.61	2.95	2.39	1
4.32	1.38	0.37	10.61	2.94	2.38	1
4.24	1.35	0.37	10.61	2.93	2.37	1
4.16	1.32	0.36	10.61	2.93	2.36	1
4.08	1.30	0.35	10.61	2.92	2.35	1
4.00	1.27	0.34	10.61	2.91	2.34	1
4.00	1.27	0.34	10.61	2.91	2.34	1
3.92	1.24	0.34	10.61	2.90	2.33	1
3.84	1.22	0.33	10.61	2.90	2.31	1
3.76	1.19	0.32	10.61	2.89	2.30	1
3.68	1.16	0.32	10.61	2.88	2.29	1
3.60	1.14	0.31	10.61	2.87	2.28	1
3.52	1.11	0.30	10.61	2.86	2.27	1
3.44	1.08	0.30	10.61	2.85	2.26	1
3.36	1.06	0.29	10.61	2.85	2.25	1
3.28	1.03	0.28	10.61	2.84	2.24	1
3.20	1.00	0.28	10.61	2.83	2.23	1
3.12	0.98	0.27	10.61	2.82	2.21	1
3.04	0.95	0.26	10.61	2.81	2.20	1
2.96	0.92	0.25	10.61	2.80	2.19	1
2.88	0.90	0.25	10.61	2.80	2.18	1
2.80	0.87	0.24	10.61	2.79	2.17	1
2.72	0.85	0.23	10.61	2.78	2.16	1
2.64	0.82	0.23	10.61	2.77	2.16	1
2.56	0.79	0.22	10.61	2.76	2.15	1
2.48	0.77	0.21	10.61	2.75	2.15	1
2.40	0.74	0.21	10.61	2.74	2.14	1
2.32	0.72	0.20	10.61	2.73	2.14	1
2.24	0.69	0.19	10.61	2.72	2.13	1
2.16	0.66	0.19	10.61	2.71	2.13	1
2.08	0.64	0.18	10.61	2.70	2.12	1
2.00	0.61	0.17	10.61	2.69	2.12	1
2.00	0.61	0.17	10.61	2.69	2.12	1
1.92	0.59	0.17	10.61	2.68	2.11	1
1.84	0.56	0.16	10.61	2.67	2.10	1
1.76	0.54	0.15	10.61	2.66	2.10	1
1.68	0.51	0.14	10.61	2.65	2.09	1
1.60	0.49	0.14	10.61	2.64	2.09	1
1.52	0.46	0.13	10.61	2.63	2.08	1
1.44	0.44	0.12	10.61	2.62	2.08	1
1.36	0.41	0.12	10.61	2.61	2.07	1
1.28	0.39	0.11	10.61	2.60	2.07	1
1.20	0.36	0.10	10.61	2.59	2.06	1
1.12	0.34	0.10	10.61	2.58	2.05	1
1.04	0.31	0.09	10.61	2.57	2.05	1
0.96	0.29	0.08	10.61	2.56	2.04	1
0.88	0.26	0.08	10.61	2.55	2.04	1

			B115.pso			
0.80	0.24	0.07	10.61	2.54	2.03	1
0.72	0.22	0.06	10.61	2.53	2.03	1
0.64	0.19	0.06	10.61	2.52	2.02	1
0.56	0.17	0.05	10.61	2.50	2.02	1
0.48	0.14	0.04	10.61	2.49	2.01	1
0.40	0.12	0.03	10.61	2.48	2.00	1
0.32	0.10	0.03	10.61	2.47	2.00	1
0.24	0.07	0.02	10.61	2.46	1.99	1
0.16	0.05	0.01	10.61	2.45	1.99	1
0.08	0.02	0.01	10.61	2.44	1.98	1
0.00	0.00	0.00	10.61	2.42	1.98	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.85	0.00	0.00	0.00	0.00	0.00	1
2.79	5.05	0.84	4.22	4.22	0.00	1
2.74	8.62	1.67	6.95	6.95	0.00	1
2.70	11.90	2.51	9.39	9.39	0.00	1
2.67	15.10	3.34	11.75	11.75	0.00	1
2.63	18.23	4.05	14.18	14.05	0.13	1
2.59	21.31	4.60	16.71	16.30	0.42	1
2.56	24.35	5.07	19.28	18.50	0.78	1
2.52	27.36	5.82	21.54	20.67	0.86	1
2.49	30.34	6.40	23.94	22.82	1.12	1
2.45	33.31	6.86	26.45	24.95	1.50	1
2.42	36.26	7.24	29.02	27.06	1.96	1
2.39	39.19	7.55	31.64	29.17	2.48	1
2.35	42.12	7.82	34.30	31.25	3.05	1
2.32	45.03	8.04	36.99	33.33	3.65	1
2.29	47.94	8.25	39.70	35.41	4.29	1
2.25	50.84	8.42	42.42	37.47	4.95	1
2.22	53.74	8.58	45.15	39.53	5.62	1
2.19	56.63	8.73	47.90	41.58	6.31	1
2.15	59.51	8.86	50.65	43.63	7.01	1
2.12	62.39	8.99	53.40	45.68	7.72	1
2.09	65.26	9.11	56.16	47.71	8.44	1
2.06	68.13	9.22	58.91	49.75	9.17	1
2.02	71.00	9.33	61.67	51.78	9.89	1
1.99	73.86	9.43	64.43	53.80	10.63	1
1.96	76.72	9.53	67.19	55.83	11.36	1
1.96	76.72	9.53	67.19	55.83	11.36	1
1.93	79.20	9.62	69.58	57.58	12.00	1
1.90	81.68	9.70	71.97	59.33	12.64	1
1.87	84.15	9.79	74.36	61.08	13.28	1
1.85	86.63	9.88	76.75	62.83	13.92	1
1.82	89.10	9.96	79.14	64.57	14.56	1
1.79	91.57	10.10	81.46	66.32	15.15	1
1.76	94.03	10.30	83.73	68.05	15.68	1
1.74	96.49	10.50	86.00	69.79	16.21	1
1.71	98.95	10.70	88.26	71.52	16.74	1
1.68	101.41	10.90	90.51	73.25	17.26	1
1.65	103.86	11.10	92.76	74.98	17.78	1
1.62	106.31	11.30	95.01	76.70	18.31	1
1.60	108.76	11.51	97.25	78.42	18.83	1
1.57	111.21	11.72	99.49	80.14	19.34	1
1.54	113.65	11.93	101.72	81.86	19.86	1
1.51	116.09	12.15	103.94	83.57	20.37	1
1.49	118.52	12.36	106.16	85.28	20.88	1
1.46	120.96	12.58	108.38	86.99	21.39	1
1.43	123.39	12.80	110.58	88.69	21.90	1
1.41	125.81	13.02	112.79	90.39	22.40	1

			B115.pso			
1.38	128.24	13.25	114.99	92.08	22.90	1
1.35	130.66	13.48	117.18	93.78	23.40	1
1.32	133.07	13.71	119.37	95.47	23.90	1
1.30	135.49	13.94	121.55	97.15	24.39	1
1.27	137.90	14.17	123.72	98.84	24.89	1
1.27	137.90	14.17	123.72	98.84	24.89	1
1.24	140.30	14.40	125.90	100.52	25.38	1
1.22	142.70	14.64	128.06	102.19	25.87	1
1.19	145.10	14.88	130.23	103.87	26.36	1
1.16	147.50	15.12	132.38	105.54	26.84	1
1.14	149.89	15.36	134.53	107.20	27.33	1
1.11	152.28	15.61	136.68	108.87	27.81	1
1.08	154.67	15.86	138.81	110.53	28.29	1
1.06	157.05	16.10	140.95	112.18	28.77	1
1.03	159.43	16.36	143.07	113.83	29.24	1
1.00	161.81	16.61	145.20	115.48	29.71	1
0.98	164.18	16.87	147.31	117.13	30.19	1
0.95	166.54	17.12	149.42	118.77	30.65	1
0.92	168.91	17.38	151.52	120.40	31.12	1
0.90	171.27	17.65	153.62	122.04	31.58	1
0.87	173.63	17.91	155.71	123.67	32.05	1
0.85	175.98	18.18	157.80	125.29	32.51	1
0.82	178.33	18.45	159.88	126.92	32.96	1
0.79	180.67	18.72	161.95	128.53	33.42	1
0.77	183.01	18.99	164.02	130.15	33.87	1
0.74	185.35	19.27	166.08	131.76	34.32	1
0.72	187.68	19.55	168.14	133.37	34.77	1
0.69	190.01	19.83	170.19	134.97	35.22	1
0.66	192.34	20.11	172.23	136.57	35.66	1
0.64	194.66	20.40	174.26	138.16	36.10	1
0.61	196.98	20.68	176.29	139.75	36.54	1
0.61	196.98	20.68	176.29	139.75	36.54	1
0.59	199.29	20.97	178.32	141.34	36.98	1
0.56	201.60	21.26	180.34	142.92	37.41	1
0.54	203.90	21.56	182.35	144.50	37.85	1
0.51	206.20	21.85	184.35	146.07	38.28	1
0.49	208.50	22.15	186.35	147.64	38.70	1
0.46	210.79	22.46	188.33	149.21	39.13	1
0.44	213.08	22.76	190.32	150.77	39.55	1
0.41	215.36	23.07	192.29	152.32	39.97	1
0.39	217.64	23.38	194.25	153.88	40.38	1
0.36	219.91	23.70	196.21	155.42	40.79	1
0.34	222.18	24.02	198.16	156.97	41.20	1
0.31	224.45	24.35	200.10	158.50	41.60	1
0.29	226.71	24.68	202.03	160.04	41.99	1
0.26	228.96	25.02	203.94	161.57	42.38	1
0.24	231.21	25.76	205.46	163.09	42.37	1
0.22	233.46	26.50	206.96	164.61	42.35	1
0.19	235.70	27.24	208.46	166.12	42.34	1
0.17	237.94	27.99	209.95	167.63	42.32	1
0.14	240.17	28.73	211.43	169.14	42.30	1
0.12	242.39	29.48	212.91	170.64	42.27	1
0.10	244.61	30.24	214.38	172.13	42.25	1
0.07	246.83	30.99	215.84	173.62	42.22	1
0.05	249.04	31.75	217.30	175.11	42.19	1
0.02	251.25	32.50	218.75	176.58	42.16	1
0.00	253.45	33.26	220.19	178.06	42.13	1

Time = 45. Degree of Consolidation = 95.0%

Total Settlement = 5.446

Settlement at End of Primary Consolidation = 5.762

B115.pso

Settlement caused by Primary Consolidation at time 45. = 5.446

Settlement caused by Secondary Compression at time 45. = 0.000

Surface Elevation = 1.35

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.73	0.71	10.61	10.61	10.61	1
8.21	2.66	0.71	10.61	5.35	5.35	1
8.12	2.62	0.70	10.61	4.05	4.05	1
8.02	2.58	0.69	10.61	3.85	3.85	1
7.93	2.54	0.68	10.61	3.71	3.71	1
7.84	2.50	0.68	10.61	3.57	3.57	1
7.75	2.47	0.67	10.61	3.46	3.43	1
7.66	2.43	0.66	10.61	3.37	3.37	1
7.56	2.40	0.65	10.61	3.30	3.30	1
7.47	2.36	0.64	10.61	3.25	3.24	1
7.38	2.33	0.64	10.61	3.20	3.17	1
7.29	2.30	0.63	10.61	3.17	3.11	1
7.20	2.26	0.62	10.61	3.13	3.05	1
7.10	2.23	0.61	10.61	3.11	3.02	1
7.01	2.20	0.60	10.61	3.08	2.99	1
6.92	2.17	0.60	10.61	3.06	2.97	1
6.83	2.13	0.59	10.61	3.04	2.94	1
6.74	2.10	0.58	10.61	3.02	2.91	1
6.64	2.07	0.57	10.61	3.00	2.88	1
6.55	2.04	0.56	10.61	2.98	2.85	1
6.46	2.01	0.56	10.61	2.96	2.83	1
6.37	1.98	0.55	10.61	2.95	2.80	1
6.28	1.95	0.54	10.61	2.93	2.77	1
6.18	1.91	0.53	10.61	2.92	2.74	1
6.09	1.88	0.52	10.61	2.90	2.71	1
6.00	1.85	0.52	10.61	2.89	2.69	1
6.00	1.85	0.52	10.61	2.89	2.69	1
5.92	1.83	0.51	10.61	2.88	2.66	1
5.84	1.80	0.50	10.61	2.87	2.64	1
5.76	1.77	0.50	10.61	2.86	2.61	1
5.68	1.75	0.49	10.61	2.85	2.59	1
5.60	1.72	0.48	10.61	2.84	2.57	1
5.52	1.69	0.48	10.61	2.83	2.55	1
5.44	1.67	0.47	10.61	2.82	2.54	1
5.36	1.64	0.46	10.61	2.81	2.52	1
5.28	1.61	0.45	10.61	2.80	2.51	1
5.20	1.59	0.45	10.61	2.79	2.50	1
5.12	1.56	0.44	10.61	2.78	2.49	1
5.04	1.54	0.43	10.61	2.78	2.48	1
4.96	1.51	0.43	10.61	2.77	2.47	1
4.88	1.48	0.42	10.61	2.76	2.46	1
4.80	1.46	0.41	10.61	2.75	2.45	1
4.72	1.43	0.41	10.61	2.75	2.44	1
4.64	1.41	0.40	10.61	2.74	2.42	1
4.56	1.38	0.39	10.61	2.73	2.41	1
4.48	1.36	0.39	10.61	2.72	2.40	1

			B115.pso			
4.40	1.33	0.38	10.61	2.72	2.39	1
4.32	1.30	0.37	10.61	2.71	2.38	1
4.24	1.28	0.37	10.61	2.70	2.37	1
4.16	1.25	0.36	10.61	2.69	2.36	1
4.08	1.23	0.35	10.61	2.69	2.35	1
4.00	1.20	0.34	10.61	2.68	2.34	1
4.00	1.20	0.34	10.61	2.68	2.34	1
3.92	1.18	0.34	10.61	2.67	2.33	1
3.84	1.15	0.33	10.61	2.66	2.31	1
3.76	1.13	0.32	10.61	2.66	2.30	1
3.68	1.10	0.32	10.61	2.65	2.29	1
3.60	1.08	0.31	10.61	2.64	2.28	1
3.52	1.05	0.30	10.61	2.64	2.27	1
3.44	1.03	0.30	10.61	2.63	2.26	1
3.36	1.00	0.29	10.61	2.62	2.25	1
3.28	0.98	0.28	10.61	2.61	2.24	1
3.20	0.95	0.28	10.61	2.61	2.23	1
3.12	0.93	0.27	10.61	2.60	2.21	1
3.04	0.90	0.26	10.61	2.59	2.20	1
2.96	0.88	0.25	10.61	2.59	2.19	1
2.88	0.85	0.25	10.61	2.58	2.18	1
2.80	0.83	0.24	10.61	2.57	2.17	1
2.72	0.80	0.23	10.61	2.56	2.16	1
2.64	0.78	0.23	10.61	2.55	2.16	1
2.56	0.75	0.22	10.61	2.55	2.15	1
2.48	0.73	0.21	10.61	2.54	2.15	1
2.40	0.71	0.21	10.61	2.53	2.14	1
2.32	0.68	0.20	10.61	2.52	2.14	1
2.24	0.66	0.19	10.61	2.52	2.13	1
2.16	0.63	0.19	10.61	2.51	2.13	1
2.08	0.61	0.18	10.61	2.50	2.12	1
2.00	0.58	0.17	10.61	2.49	2.12	1
2.00	0.58	0.17	10.61	2.49	2.12	1
1.92	0.56	0.17	10.61	2.48	2.11	1
1.84	0.54	0.16	10.61	2.48	2.10	1
1.76	0.51	0.15	10.61	2.47	2.10	1
1.68	0.49	0.14	10.61	2.46	2.09	1
1.60	0.46	0.14	10.61	2.45	2.09	1
1.52	0.44	0.13	10.61	2.44	2.08	1
1.44	0.42	0.12	10.61	2.44	2.08	1
1.36	0.39	0.12	10.61	2.43	2.07	1
1.28	0.37	0.11	10.61	2.42	2.07	1
1.20	0.35	0.10	10.61	2.41	2.06	1
1.12	0.32	0.10	10.61	2.40	2.05	1
1.04	0.30	0.09	10.61	2.40	2.05	1
0.96	0.28	0.08	10.61	2.39	2.04	1
0.88	0.25	0.08	10.61	2.38	2.04	1
0.80	0.23	0.07	10.61	2.37	2.03	1
0.72	0.21	0.06	10.61	2.36	2.03	1
0.64	0.18	0.06	10.61	2.35	2.02	1
0.56	0.16	0.05	10.61	2.35	2.02	1
0.48	0.14	0.04	10.61	2.34	2.01	1
0.40	0.11	0.03	10.61	2.33	2.00	1
0.32	0.09	0.03	10.61	2.32	2.00	1
0.24	0.07	0.02	10.61	2.31	1.99	1
0.16	0.05	0.01	10.61	2.30	1.99	1
0.08	0.02	0.01	10.61	2.29	1.98	1
0.00	0.00	0.00	10.61	2.28	1.98	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess Material
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2.73	0.00	0.00	B115.pso	0.00	0.00	1
2.66	5.05	0.84	0.00	4.22	0.00	1
2.62	8.62	1.67	4.22	6.95	0.00	1
2.58	11.90	2.51	6.95	9.39	0.00	1
2.54	15.10	3.34	9.39	11.76	0.00	1
2.50	18.23	4.16	11.76	14.06	0.01	1
2.47	21.29	4.82	14.06	16.28	0.19	1
2.43	24.31	5.76	16.28	18.46	0.08	1
2.40	27.29	6.66	18.46	20.61	0.02	1
2.36	30.24	7.38	20.61	22.72	0.14	1
2.33	33.17	7.97	22.72	24.81	0.39	1
2.30	36.07	8.47	24.81	26.88	0.73	1
2.26	38.96	8.89	26.88	28.93	1.13	1
2.23	41.83	9.27	28.93	30.97	1.59	1
2.20	44.69	9.61	30.97	32.99	2.09	1
2.17	47.54	9.91	32.99	35.00	2.62	1
2.13	50.37	10.44	35.00	37.00	2.93	1
2.10	53.20	11.04	37.00	38.99	3.16	1
2.07	56.02	11.61	38.99	40.97	3.43	1
2.04	58.82	12.14	40.97	42.95	3.74	1
2.01	61.62	12.64	42.95	44.91	4.07	1
1.98	64.41	13.12	44.91	46.86	4.43	1
1.95	67.20	13.57	46.86	48.81	4.82	1
1.91	69.97	14.00	48.81	50.75	5.22	1
1.88	72.74	14.40	50.75	52.69	5.65	1
1.85	75.50	14.79	52.69	54.61	6.10	1
1.85	75.50	14.79	54.61	56.28	6.49	1
1.83	77.90	15.13	56.28	57.95	6.89	1
1.80	80.29	15.45	57.95	59.61	7.31	1
1.77	82.68	15.77	59.61	61.27	7.73	1
1.75	85.06	16.07	61.27	62.92	8.16	1
1.72	87.44	16.36	62.92	64.57	8.61	1
1.69	89.82	16.65	64.57	66.21	9.06	1
1.67	92.19	16.92	66.21	67.85	9.51	1
1.64	94.55	17.19	67.85	69.49	9.98	1
1.61	96.92	17.45	69.49	71.12	10.45	1
1.59	99.28	17.71	71.12	72.75	10.93	1
1.56	101.63	17.96	72.75	74.37	11.41	1
1.54	103.99	18.20	74.37	76.00	11.89	1
1.51	106.33	18.44	76.00	77.61	12.38	1
1.48	108.68	18.68	77.61	79.23	12.88	1
1.46	111.02	18.91	79.23	80.84	13.37	1
1.43	113.36	19.14	80.84	82.45	13.87	1
1.41	115.70	19.37	82.45	84.06	14.38	1
1.38	118.03	19.60	84.06	85.66	14.88	1
1.36	120.36	19.82	85.66	87.26	15.39	1
1.33	122.68	20.04	87.26	88.85	15.89	1
1.30	125.00	20.26	88.85	90.45	16.40	1
1.28	127.32	20.48	90.45	92.04	16.91	1
1.25	129.64	20.69	92.04	93.62	17.42	1
1.23	131.95	20.91	93.62	95.21	17.93	1
1.20	134.26	21.12	95.21	96.79	18.45	1
1.20	134.26	21.12	96.79	98.36	18.96	1
1.18	136.57	21.34	98.36	99.94	19.47	1
1.15	138.88	21.55	99.94	101.51	19.98	1
1.13	141.18	21.77	101.51	103.08	20.49	1
1.10	143.47	21.98	103.08	104.64	21.00	1
1.08	145.77	22.20	104.64	106.20	21.51	1
1.05	148.06	22.41	106.20	107.76	22.02	1
1.03	150.35	22.63	107.76	109.32	22.53	1
1.00	152.63	22.85	109.32	110.87	23.04	1
0.98	154.92	23.06	110.87			
0.95	157.20	23.28				

			B115.pso			
0.93	159.47	23.50	135.97	112.42	23.55	1
0.90	161.75	23.72	138.02	113.97	24.05	1
0.88	164.01	23.95	140.07	115.51	24.56	1
0.85	166.28	24.17	142.11	117.05	25.06	1
0.83	168.54	24.40	144.15	118.59	25.56	1
0.80	170.80	24.62	146.18	120.12	26.06	1
0.78	173.06	24.85	148.21	121.65	26.56	1
0.75	175.32	25.19	150.13	123.18	26.95	1
0.73	177.57	25.70	151.87	124.70	27.17	1
0.71	179.81	26.21	153.60	126.22	27.38	1
0.68	182.06	26.72	155.33	127.74	27.59	1
0.66	184.30	27.24	157.06	129.25	27.81	1
0.63	186.53	27.75	158.78	130.76	28.02	1
0.61	188.77	28.27	160.49	132.27	28.22	1
0.58	191.00	28.79	162.20	133.77	28.43	1
0.58	191.00	28.79	162.20	133.77	28.43	1
0.56	193.22	29.31	163.91	135.27	28.64	1
0.54	195.45	29.83	165.61	136.77	28.84	1
0.51	197.67	30.36	167.31	138.26	29.05	1
0.49	199.88	30.88	169.00	139.75	29.25	1
0.46	202.09	31.41	170.68	141.24	29.45	1
0.44	204.30	31.94	172.36	142.72	29.64	1
0.42	206.51	32.47	174.04	144.20	29.84	1
0.39	208.71	33.01	175.71	145.68	30.03	1
0.37	210.91	33.54	177.37	147.15	30.22	1
0.35	213.11	34.08	179.03	148.62	30.41	1
0.32	215.30	34.62	180.68	150.08	30.60	1
0.30	217.49	35.16	182.32	151.54	30.78	1
0.28	219.67	35.71	183.96	153.00	30.96	1
0.25	221.85	36.26	185.60	154.46	31.14	1
0.23	224.03	36.81	187.23	155.91	31.32	1
0.21	226.21	37.36	188.85	157.35	31.49	1
0.18	228.38	37.91	190.46	158.80	31.66	1
0.16	230.54	38.47	192.07	160.24	31.83	1
0.14	232.71	39.03	193.68	161.68	32.00	1
0.11	234.87	39.59	195.27	163.11	32.16	1
0.09	237.02	40.16	196.86	164.54	32.33	1
0.07	239.17	40.73	198.45	165.96	32.48	1
0.05	241.32	41.30	200.02	167.38	32.64	1
0.02	243.47	41.87	201.59	168.80	32.79	1
0.00	245.61	42.45	203.16	170.22	32.94	1

Time = 75. Degree of Consolidation = 97.0%

Total Settlement = 5.572

Settlement at End of Primary Consolidation = 5.762

Settlement caused by Primary Consolidation at time 75. = 5.572

Settlement caused by Secondary Compression at time 75. = 0.000

Settlement Due to Desiccation = 0.000

Surface Elevation = 1.23

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.55	0.71	10.61	1.98	1.98	1
8.21	2.53	0.71	10.61	1.98	1.98	1
8.12	2.50	0.70	10.61	1.98	1.98	1
8.02	2.48	0.69	10.61	1.98	1.98	1
7.93	2.46	0.68	10.61	1.98	1.98	1
7.84	2.43	0.68	10.61	1.98	1.98	1
7.75	2.41	0.67	10.61	1.98	1.98	1
7.66	2.39	0.66	10.61	1.98	1.98	1
7.56	2.36	0.65	10.61	2.91	2.91	1
7.47	2.33	0.64	10.61	3.24	2.88	1
7.38	2.29	0.64	10.61	3.19	2.86	1
7.29	2.26	0.63	10.61	3.15	2.83	1
7.20	2.23	0.62	10.61	3.12	2.80	1
7.10	2.19	0.61	10.61	3.08	2.77	1
7.01	2.16	0.60	10.61	3.06	2.74	1
6.92	2.13	0.60	10.61	3.03	2.72	1
6.83	2.10	0.59	10.61	3.00	2.69	1
6.74	2.07	0.58	10.61	2.98	2.66	1
6.64	2.03	0.57	10.61	2.96	2.63	1
6.55	2.00	0.56	10.61	2.94	2.60	1
6.46	1.97	0.56	10.61	2.92	2.58	1
6.37	1.94	0.55	10.61	2.90	2.55	1
6.28	1.91	0.54	10.61	2.88	2.54	1
6.18	1.88	0.53	10.61	2.87	2.52	1
6.09	1.85	0.52	10.61	2.85	2.51	1
6.00	1.82	0.52	10.61	2.84	2.50	1
6.00	1.82	0.52	10.61	2.84	2.50	1
5.92	1.79	0.51	10.61	2.82	2.49	1
5.84	1.77	0.50	10.61	2.81	2.48	1
5.76	1.74	0.50	10.61	2.80	2.47	1
5.68	1.71	0.49	10.61	2.79	2.45	1
5.60	1.69	0.48	10.61	2.78	2.44	1
5.52	1.66	0.48	10.61	2.77	2.43	1
5.44	1.64	0.47	10.61	2.76	2.42	1
5.36	1.61	0.46	10.61	2.75	2.41	1
5.28	1.58	0.45	10.61	2.74	2.40	1
5.20	1.56	0.45	10.61	2.73	2.39	1
5.12	1.53	0.44	10.61	2.72	2.38	1
5.04	1.51	0.43	10.61	2.71	2.37	1
4.96	1.48	0.43	10.61	2.70	2.36	1
4.88	1.46	0.42	10.61	2.69	2.34	1
4.80	1.43	0.41	10.61	2.68	2.33	1
4.72	1.41	0.41	10.61	2.68	2.32	1
4.64	1.38	0.40	10.61	2.67	2.31	1
4.56	1.36	0.39	10.61	2.66	2.30	1
4.48	1.33	0.39	10.61	2.65	2.29	1
4.40	1.30	0.38	10.61	2.64	2.28	1
4.32	1.28	0.37	10.61	2.64	2.27	1
4.24	1.25	0.37	10.61	2.63	2.26	1
4.16	1.23	0.36	10.61	2.62	2.24	1
4.08	1.20	0.35	10.61	2.61	2.23	1
4.00	1.18	0.34	10.61	2.61	2.22	1
4.00	1.18	0.34	10.61	2.61	2.22	1
3.92	1.15	0.34	10.61	2.60	2.21	1
3.84	1.13	0.33	10.61	2.59	2.20	1
3.76	1.11	0.32	10.61	2.59	2.19	1
3.68	1.08	0.32	10.61	2.58	2.18	1
3.60	1.06	0.31	10.61	2.57	2.17	1
3.52	1.03	0.30	10.61	2.56	2.16	1
3.44	1.01	0.30	10.61	2.56	2.16	1

			B115.pso			
3.36	0.98	0.29	10.61	2.55	2.15	1
3.28	0.96	0.28	10.61	2.54	2.15	1
3.20	0.93	0.28	10.61	2.53	2.14	1
3.12	0.91	0.27	10.61	2.53	2.14	1
3.04	0.89	0.26	10.61	2.52	2.13	1
2.96	0.86	0.25	10.61	2.51	2.12	1
2.88	0.84	0.25	10.61	2.51	2.12	1
2.80	0.81	0.24	10.61	2.50	2.11	1
2.72	0.79	0.23	10.61	2.49	2.11	1
2.64	0.76	0.23	10.61	2.48	2.10	1
2.56	0.74	0.22	10.61	2.48	2.10	1
2.48	0.72	0.21	10.61	2.47	2.09	1
2.40	0.69	0.21	10.61	2.46	2.09	1
2.32	0.67	0.20	10.61	2.46	2.08	1
2.24	0.65	0.19	10.61	2.45	2.07	1
2.16	0.62	0.19	10.61	2.44	2.07	1
2.08	0.60	0.18	10.61	2.43	2.06	1
2.00	0.57	0.17	10.61	2.43	2.06	1
2.00	0.57	0.17	10.61	2.43	2.06	1
1.92	0.55	0.17	10.61	2.42	2.05	1
1.84	0.53	0.16	10.61	2.41	2.05	1
1.76	0.50	0.15	10.61	2.40	2.04	1
1.68	0.48	0.14	10.61	2.40	2.04	1
1.60	0.46	0.14	10.61	2.39	2.03	1
1.52	0.43	0.13	10.61	2.38	2.03	1
1.44	0.41	0.12	10.61	2.37	2.02	1
1.36	0.39	0.12	10.61	2.37	2.01	1
1.28	0.36	0.11	10.61	2.36	2.01	1
1.20	0.34	0.10	10.61	2.35	2.00	1
1.12	0.32	0.10	10.61	2.34	2.00	1
1.04	0.29	0.09	10.61	2.34	1.99	1
0.96	0.27	0.08	10.61	2.33	1.99	1
0.88	0.25	0.08	10.61	2.32	1.98	1
0.80	0.23	0.07	10.61	2.31	1.98	1
0.72	0.20	0.06	10.61	2.31	1.97	1
0.64	0.18	0.06	10.61	2.30	1.96	1
0.56	0.16	0.05	10.61	2.29	1.96	1
0.48	0.13	0.04	10.61	2.28	1.95	1
0.40	0.11	0.03	10.61	2.28	1.95	1
0.32	0.09	0.03	10.61	2.27	1.94	1
0.24	0.07	0.02	10.61	2.26	1.94	1
0.16	0.04	0.01	10.61	2.25	1.93	1
0.08	0.02	0.01	10.61	2.24	1.93	1
0.00	0.00	0.00	10.61	2.24	1.92	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.55	0.00	0.00	0.00	0.00	0.00	1
2.53	1.71	1.71	0.00	0.00	0.00	1
2.50	3.42	3.42	0.00	0.00	0.00	1
2.48	5.14	5.14	0.00	0.00	0.00	1
2.46	6.85	6.85	0.00	0.00	0.00	1
2.43	8.56	8.56	0.00	0.00	0.00	1
2.41	10.27	10.27	0.00	0.00	0.00	1
2.39	11.98	11.98	0.00	0.00	0.00	1
2.36	14.16	14.16	0.00	0.00	0.00	1
2.33	17.03	7.47	9.57	2.04	7.53	1
2.29	19.96	8.11	11.84	4.12	7.72	1
2.26	22.85	8.66	14.19	6.19	8.01	1
2.23	25.73	9.13	16.60	8.23	8.37	1
2.19	28.60	9.55	19.04	10.26	8.78	1

			B115.pso			
2.16	31.44	9.93	21.51	12.27	9.24	1
2.13	34.28	10.64	23.64	14.27	9.37	1
2.10	37.10	11.38	25.72	16.26	9.47	1
2.07	39.91	12.08	27.83	18.23	9.60	1
2.03	42.71	12.73	29.97	20.19	9.78	1
2.00	45.50	13.35	32.14	22.14	10.00	1
1.97	48.27	13.94	34.34	24.09	10.25	1
1.94	51.04	14.49	36.56	26.02	10.54	1
1.91	53.80	15.01	38.80	27.94	10.85	1
1.88	56.56	15.50	41.06	29.86	11.20	1
1.85	59.30	15.97	43.33	31.77	11.56	1
1.82	62.04	16.41	45.63	33.67	11.96	1
1.82	62.04	16.41	45.63	33.67	11.96	1
1.79	64.41	16.80	47.61	35.32	12.30	1
1.77	66.78	17.17	49.61	36.96	12.65	1
1.74	69.14	17.52	51.62	38.59	13.02	1
1.71	71.50	17.86	53.63	40.22	13.41	1
1.69	73.85	18.19	55.66	41.85	13.80	1
1.66	76.20	18.51	57.69	43.47	14.21	1
1.64	78.54	18.82	59.72	45.09	14.63	1
1.61	80.88	19.12	61.76	46.70	15.06	1
1.58	83.22	19.41	63.81	48.31	15.50	1
1.56	85.55	19.69	65.86	49.92	15.94	1
1.53	87.88	19.96	67.91	51.52	16.40	1
1.51	90.20	20.23	69.97	53.11	16.86	1
1.48	92.52	20.49	72.03	54.71	17.32	1
1.46	94.83	20.74	74.09	56.30	17.80	1
1.43	97.15	20.99	76.15	57.88	18.27	1
1.41	99.46	21.24	78.22	59.46	18.76	1
1.38	101.76	21.48	80.28	61.04	19.24	1
1.36	104.06	21.71	82.35	62.62	19.73	1
1.33	106.36	21.94	84.42	64.19	20.23	1
1.30	108.66	22.17	86.48	65.76	20.73	1
1.28	110.95	22.40	88.55	67.32	21.23	1
1.25	113.24	22.62	90.61	68.88	21.73	1
1.23	115.52	22.85	92.68	70.44	22.23	1
1.20	117.80	23.07	94.74	72.00	22.74	1
1.18	120.08	23.29	96.80	73.55	23.25	1
1.18	120.08	23.29	96.80	73.55	23.25	1
1.15	122.36	23.51	98.85	75.10	23.75	1
1.13	124.63	23.72	100.91	76.65	24.26	1
1.11	126.90	23.94	102.96	78.19	24.77	1
1.08	129.17	24.16	105.01	79.73	25.28	1
1.06	131.43	24.38	107.06	81.27	25.79	1
1.03	133.69	24.59	109.10	82.80	26.30	1
1.01	135.95	24.81	111.14	84.33	26.81	1
0.98	138.20	25.06	113.14	85.86	27.28	1
0.96	140.46	25.54	114.91	87.38	27.53	1
0.93	142.70	26.02	116.69	88.91	27.78	1
0.91	144.95	26.49	118.45	90.42	28.03	1
0.89	147.19	26.97	120.22	91.94	28.28	1
0.86	149.43	27.44	121.99	93.45	28.53	1
0.84	151.66	27.92	123.75	94.96	28.79	1
0.81	153.90	28.39	125.51	96.46	29.04	1
0.79	156.13	28.87	127.26	97.97	29.29	1
0.76	158.35	29.34	129.01	99.47	29.55	1
0.74	160.58	29.81	130.76	100.96	29.80	1
0.72	162.80	30.29	132.51	102.46	30.05	1
0.69	165.01	30.76	134.25	103.95	30.30	1
0.67	167.23	31.24	135.99	105.43	30.55	1
0.65	169.44	31.72	137.72	106.92	30.80	1
0.62	171.64	32.20	139.45	108.40	31.05	1
0.60	173.85	32.67	141.17	109.88	31.30	1

			B115.pso			
0.57	176.05	33.15	142.90	111.35	31.54	1
0.57	176.05	33.15	142.90	111.35	31.54	1
0.55	178.25	33.63	144.61	112.82	31.79	1
0.53	180.44	34.12	146.33	114.29	32.04	1
0.50	182.64	34.60	148.04	115.76	32.28	1
0.48	184.82	35.08	149.74	117.22	32.52	1
0.46	187.01	35.57	151.44	118.68	32.76	1
0.43	189.19	36.05	153.14	120.13	33.00	1
0.41	191.37	36.54	154.83	121.59	33.24	1
0.39	193.55	37.03	156.51	123.04	33.48	1
0.36	195.72	37.53	158.19	124.48	33.71	1
0.34	197.89	38.02	159.87	125.93	33.94	1
0.32	200.06	38.52	161.54	127.36	34.17	1
0.29	202.22	39.02	163.20	128.80	34.40	1
0.27	204.38	39.52	164.86	130.23	34.63	1
0.25	206.54	40.02	166.52	131.66	34.85	1
0.23	208.69	40.52	168.16	133.09	35.07	1
0.20	210.84	41.03	169.81	134.51	35.29	1
0.18	212.99	41.54	171.44	135.93	35.51	1
0.16	215.13	42.05	173.08	137.35	35.72	1
0.13	217.27	42.57	174.70	138.76	35.94	1
0.11	219.41	43.09	176.32	140.17	36.14	1
0.09	221.54	43.61	177.93	141.58	36.35	1
0.07	223.67	44.13	179.54	142.98	36.55	1
0.04	225.79	44.66	181.14	144.38	36.75	1
0.02	227.92	45.19	182.73	145.78	36.95	1
0.00	230.04	45.72	184.32	147.17	37.15	1

Time = 90. Degree of Consolidation = 94.%

Total Settlement = 5.748

Settlement at End of Primary Consolidation = 5.977

Settlement caused by Primary Consolidation at time 90. = 5.606

Settlement caused by Secondary Compression at time 90. = 0.000

Settlement Due to Desiccation = 0.142

Surface Elevation = 1.05

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.28	0.71	10.61	1.98	1.98	1
8.21	2.25	0.71	10.61	1.98	1.98	1
8.12	2.23	0.70	10.61	1.98	1.98	1
8.02	2.21	0.69	10.61	1.98	1.98	1
7.93	2.18	0.68	10.61	1.98	1.98	1
7.84	2.16	0.68	10.61	1.98	1.98	1
7.75	2.14	0.67	10.61	1.98	1.98	1
7.66	2.11	0.66	10.61	1.98	1.98	1
7.56	2.09	0.65	10.61	1.98	1.98	1
7.47	2.07	0.64	10.61	1.98	1.98	1
7.38	2.04	0.64	10.61	1.98	1.98	1

			B115.pso			
7.29	2.02	0.63	10.61	1.98	1.98	1
7.20	2.00	0.62	10.61	1.98	1.98	1
7.10	1.97	0.61	10.61	1.98	1.98	1
7.01	1.95	0.60	10.61	1.98	1.98	1
6.92	1.92	0.60	10.61	1.98	1.98	1
6.83	1.90	0.59	10.61	1.98	1.98	1
6.74	1.88	0.58	10.61	1.98	1.98	1
6.64	1.85	0.57	10.61	1.98	1.98	1
6.55	1.83	0.56	10.61	1.98	1.98	1
6.46	1.81	0.56	10.61	1.98	1.98	1
6.37	1.78	0.55	10.61	1.98	1.98	1
6.28	1.76	0.54	10.61	1.98	1.98	1
6.18	1.74	0.53	10.61	1.98	1.98	1
6.09	1.71	0.52	10.61	1.98	1.98	1
6.00	1.69	0.52	10.61	1.98	1.98	1
6.00	1.69	0.52	10.61	1.98	1.98	1
5.92	1.67	0.51	10.61	1.98	1.98	1
5.84	1.65	0.50	10.61	2.22	2.24	1
5.76	1.62	0.50	10.61	2.36	2.22	1
5.68	1.60	0.49	10.61	2.36	2.21	1
5.60	1.58	0.48	10.61	2.36	2.20	1
5.52	1.55	0.48	10.61	2.36	2.19	1
5.44	1.53	0.47	10.61	2.36	2.18	1
5.36	1.51	0.46	10.61	2.36	2.17	1
5.28	1.48	0.45	10.61	2.36	2.16	1
5.20	1.46	0.45	10.61	2.36	2.16	1
5.12	1.44	0.44	10.61	2.36	2.15	1
5.04	1.42	0.43	10.61	2.36	2.15	1
4.96	1.39	0.43	10.61	2.36	2.14	1
4.88	1.37	0.42	10.61	2.36	2.14	1
4.80	1.35	0.41	10.61	2.36	2.13	1
4.72	1.32	0.41	10.61	2.36	2.13	1
4.64	1.30	0.40	10.61	2.35	2.12	1
4.56	1.28	0.39	10.61	2.35	2.11	1
4.48	1.25	0.39	10.61	2.35	2.11	1
4.40	1.23	0.38	10.61	2.35	2.10	1
4.32	1.21	0.37	10.61	2.35	2.10	1
4.24	1.18	0.37	10.61	2.35	2.09	1
4.16	1.16	0.36	10.61	2.34	2.09	1
4.08	1.14	0.35	10.61	2.34	2.08	1
4.00	1.12	0.34	10.61	2.34	2.08	1
4.00	1.12	0.34	10.61	2.34	2.07	1
3.92	1.09	0.34	10.61	2.34	2.06	1
3.84	1.07	0.33	10.61	2.33	2.06	1
3.76	1.05	0.32	10.61	2.33	2.06	1
3.68	1.02	0.32	10.61	2.33	2.05	1
3.60	1.00	0.31	10.61	2.33	2.05	1
3.52	0.98	0.30	10.61	2.32	2.04	1
3.44	0.95	0.30	10.61	2.32	2.04	1
3.36	0.93	0.29	10.61	2.32	2.03	1
3.28	0.91	0.28	10.61	2.31	2.03	1
3.20	0.89	0.28	10.61	2.31	2.02	1
3.12	0.86	0.27	10.61	2.31	2.01	1
3.04	0.84	0.26	10.61	2.30	2.01	1
2.96	0.82	0.25	10.61	2.30	2.00	1
2.88	0.80	0.25	10.61	2.29	2.00	1
2.80	0.77	0.24	10.61	2.29	1.99	1
2.72	0.75	0.23	10.61	2.29	1.99	1
2.64	0.73	0.23	10.61	2.28	1.98	1
2.56	0.70	0.22	10.61	2.28	1.98	1
2.48	0.68	0.21	10.61	2.27	1.97	1
2.40	0.66	0.21	10.61	2.27	1.97	1
2.32	0.64	0.20	10.61	2.26	1.96	1

			B115.pso			
2.24	0.61	0.19	10.61	2.26	1.95	1
2.16	0.59	0.19	10.61	2.25	1.95	1
2.08	0.57	0.18	10.61	2.25	1.94	1
2.00	0.55	0.17	10.61	2.24	1.94	1
2.00	0.55	0.17	10.61	2.24	1.93	1
1.92	0.52	0.17	10.61	2.24	1.93	1
1.84	0.50	0.16	10.61	2.23	1.93	1
1.76	0.48	0.15	10.61	2.23	1.92	1
1.68	0.46	0.14	10.61	2.22	1.92	1
1.60	0.44	0.14	10.61	2.22	1.91	1
1.52	0.41	0.13	10.61	2.21	1.90	1
1.44	0.39	0.12	10.61	2.21	1.90	1
1.36	0.37	0.12	10.61	2.20	1.89	1
1.28	0.35	0.11	10.61	2.20	1.89	1
1.20	0.33	0.10	10.61	2.19	1.88	1
1.12	0.30	0.10	10.61	2.19	1.88	1
1.04	0.28	0.09	10.61	2.18	1.87	1
0.96	0.26	0.08	10.61	2.18	1.87	1
0.88	0.24	0.08	10.61	2.17	1.86	1
0.80	0.22	0.07	10.61	2.16	1.85	1
0.72	0.19	0.06	10.61	2.16	1.85	1
0.64	0.17	0.06	10.61	2.15	1.84	1
0.56	0.15	0.05	10.61	2.15	1.84	1
0.48	0.13	0.04	10.61	2.14	1.83	1
0.40	0.11	0.03	10.61	2.13	1.83	1
0.32	0.09	0.03	10.61	2.13	1.82	1
0.24	0.06	0.02	10.61	2.12	1.82	1
0.16	0.04	0.01	10.61	2.12	1.81	1
0.08	0.02	0.01	10.61	2.11	1.81	1
0.00	0.00	0.00	10.61	2.10	1.80	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.28	0.00	0.00	0.00	0.00	0.00	1
2.25	1.71	1.71	0.00	0.00	0.00	1
2.23	3.42	3.42	0.00	0.00	0.00	1
2.21	5.14	5.14	0.00	0.00	0.00	1
2.18	6.85	6.85	0.00	0.00	0.00	1
2.16	8.56	8.56	0.00	0.00	0.00	1
2.14	10.27	10.27	0.00	0.00	0.00	1
2.11	11.98	11.98	0.00	0.00	0.00	1
2.09	13.70	13.70	0.00	0.00	0.00	1
2.07	15.41	15.41	0.00	0.00	0.00	1
2.04	17.12	17.12	0.00	0.00	0.00	1
2.02	18.83	18.83	0.00	0.00	0.00	1
2.00	20.54	20.54	0.00	0.00	0.00	1
1.97	22.26	22.26	0.00	0.00	0.00	1
1.95	23.97	23.97	0.00	0.00	0.00	1
1.92	25.68	25.68	0.00	0.00	0.00	1
1.90	27.39	27.39	0.00	0.00	0.00	1
1.88	29.10	29.10	0.00	0.00	0.00	1
1.85	30.82	30.82	0.00	0.00	0.00	1
1.83	32.53	32.53	0.00	0.00	0.00	1
1.81	34.24	34.24	0.00	0.00	0.00	1
1.78	35.95	35.95	0.00	0.00	0.00	1
1.76	37.66	37.66	0.00	0.00	0.00	1
1.74	39.37	39.37	0.00	0.00	0.00	1
1.71	41.09	41.09	0.00	0.00	0.00	1
1.69	42.80	42.80	0.00	0.00	0.00	1
1.69	44.51	44.51	0.00	0.00	0.00	1
1.67	46.22	46.22	0.00	0.00	0.00	1

			B115.pso			
1.65	66.78	37.68	49.61	36.96	26.18	1
1.62	69.14	37.63	51.62	38.59	26.96	1
1.60	71.50	37.58	53.63	40.22	27.74	1
1.58	73.85	37.55	55.66	41.85	28.50	1
1.55	76.20	37.52	57.69	43.47	29.25	1
1.53	78.54	37.50	59.72	45.09	30.00	1
1.51	80.88	37.49	61.76	46.70	30.74	1
1.48	83.22	37.49	63.81	48.31	31.46	1
1.46	85.55	37.50	65.86	49.92	32.18	1
1.44	87.88	37.52	67.91	51.52	32.89	1
1.42	90.20	37.55	69.97	53.11	33.59	1
1.39	92.52	37.59	72.03	54.71	34.27	1
1.37	94.83	37.64	74.09	56.30	34.95	1
1.35	97.15	37.70	76.15	57.88	35.61	1
1.32	99.46	37.77	78.22	59.46	36.27	1
1.30	101.76	37.85	80.28	61.04	36.92	1
1.28	104.06	37.94	82.35	62.62	37.55	1
1.25	106.36	38.05	84.42	64.19	38.17	1
1.23	108.66	38.16	86.48	65.76	38.79	1
1.21	110.95	38.28	88.55	67.32	39.39	1
1.18	113.24	38.41	90.61	68.88	39.99	1
1.16	115.52	38.56	92.68	70.44	40.57	1
1.14	117.80	38.71	94.74	72.00	41.15	1
1.12	120.08	38.87	96.80	73.55	41.71	1
1.12	120.08	23.29	96.80	73.55	41.71	1
1.09	122.36	39.03	98.85	75.10	42.28	1
1.07	124.63	39.20	100.91	76.65	42.83	1
1.05	126.90	39.38	102.96	78.19	43.38	1
1.02	129.17	39.57	105.01	79.73	43.92	1
1.00	131.43	39.76	107.06	81.27	44.45	1
0.98	133.69	39.97	109.10	82.80	44.97	1
0.95	135.95	40.18	111.14	84.33	45.48	1
0.93	138.20	40.40	113.14	85.86	45.99	1
0.91	140.46	40.63	114.91	87.38	46.49	1
0.89	142.70	40.87	116.69	88.91	46.98	1
0.86	144.95	41.11	118.45	90.42	47.46	1
0.84	147.19	41.36	120.22	91.94	47.94	1
0.82	149.43	41.62	121.99	93.45	48.41	1
0.80	151.66	41.88	123.75	94.96	48.87	1
0.77	153.90	42.15	125.51	96.46	49.33	1
0.75	156.13	42.43	127.26	97.97	49.78	1
0.73	158.35	42.71	129.01	99.47	50.23	1
0.70	160.58	42.99	130.76	100.96	50.67	1
0.68	162.80	43.29	132.51	102.46	51.10	1
0.66	165.01	43.58	134.25	103.95	51.53	1
0.64	167.23	43.89	135.99	105.43	51.95	1
0.61	169.44	44.20	137.72	106.92	52.37	1
0.59	171.64	44.51	139.45	108.40	52.78	1
0.57	173.85	44.83	141.17	109.88	53.19	1
0.55	176.05	45.15	142.90	111.35	53.60	1
0.55	176.05	33.15	142.90	111.35	53.60	1
0.52	178.25	45.47	144.61	112.82	54.00	1
0.50	180.44	45.80	146.33	114.29	54.40	1
0.48	182.64	46.13	148.04	115.76	54.80	1
0.46	184.82	46.46	149.74	117.22	55.19	1
0.44	187.01	46.80	151.44	118.68	55.58	1
0.41	189.19	47.15	153.14	120.13	55.96	1
0.39	191.37	47.49	154.83	121.59	56.34	1
0.37	193.55	47.85	156.51	123.04	56.71	1
0.35	195.72	48.20	158.19	124.48	57.09	1
0.33	197.89	48.56	159.87	125.93	57.45	1
0.30	200.06	48.92	161.54	127.36	57.82	1
0.28	202.22	49.29	163.20	128.80	58.18	1

			B115.pso			
0.26	204.38	49.66	164.86	130.23	58.53	1
0.24	206.54	50.07	166.52	131.66	58.85	1
0.22	208.69	50.82	168.16	133.09	58.83	1
0.19	210.84	51.58	169.81	134.51	58.79	1
0.17	212.99	52.35	171.44	135.93	58.75	1
0.15	215.13	53.13	173.08	137.35	58.69	1
0.13	110.10	53.92	56.18	94.69	-38.51	1
0.11	112.17	54.71	57.46	96.03	-38.57	1
0.09	114.24	55.51	58.74	97.38	-38.65	1
0.06	116.31	56.31	60.00	98.72	-38.72	1
0.04	118.38	57.12	61.26	100.07	-38.81	1
0.02	120.45	57.94	62.50	101.40	-38.90	1
0.00	122.51	58.77	63.74	102.74	0.00	1

Time = 150. Degree of Consolidation = 94.%

Total Settlement = 6.021

Settlement at End of Primary Consolidation = 6.158

Settlement caused by Primary Consolidation at time 150. = 5.760

Settlement caused by Secondary Compression at time 150. = 0.000

Settlement Due to Desiccation = 0.261

Surface Elevation = 0.78

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.21	0.71	10.61	1.98	1.98	1
8.21	2.19	0.71	10.61	1.98	1.98	1
8.12	2.16	0.70	10.61	1.98	1.98	1
8.02	2.14	0.69	10.61	1.98	1.98	1
7.93	2.12	0.68	10.61	1.98	1.98	1
7.84	2.09	0.68	10.61	1.98	1.98	1
7.75	2.07	0.67	10.61	1.98	1.98	1
7.66	2.04	0.66	10.61	1.98	1.98	1
7.56	2.02	0.65	10.61	1.98	1.98	1
7.47	2.00	0.64	10.61	1.98	1.98	1
7.38	1.97	0.64	10.61	1.98	1.98	1
7.29	1.95	0.63	10.61	1.98	1.98	1
7.20	1.93	0.62	10.61	1.98	1.98	1
7.10	1.90	0.61	10.61	1.98	1.98	1
7.01	1.88	0.60	10.61	1.98	1.98	1
6.92	1.86	0.60	10.61	1.98	1.98	1
6.83	1.83	0.59	10.61	1.98	1.98	1
6.74	1.81	0.58	10.61	1.98	1.98	1
6.64	1.78	0.57	10.61	1.98	1.98	1
6.55	1.76	0.56	10.61	1.98	1.98	1
6.46	1.74	0.56	10.61	1.98	1.98	1
6.37	1.71	0.55	10.61	1.98	1.98	1
6.28	1.69	0.54	10.61	1.98	1.98	1
6.18	1.67	0.53	10.61	1.98	1.98	1
6.09	1.64	0.52	10.61	1.98	1.98	1

			B115.pso			
6.00	1.62	0.52	10.61	2.28	1.98	1
6.00	1.62	0.52	10.61	2.28	1.98	1
5.92	1.60	0.51	10.61	1.98	1.98	1
5.84	1.58	0.50	10.61	1.98	1.98	1
5.76	1.56	0.50	10.61	1.98	1.98	1
5.68	1.54	0.49	10.61	1.98	1.98	1
5.60	1.52	0.48	10.61	1.98	1.98	1
5.52	1.49	0.48	10.61	1.98	1.98	1
5.44	1.47	0.47	10.61	1.98	1.98	1
5.36	1.45	0.46	10.61	1.98	1.98	1
5.28	1.43	0.45	10.61	1.98	1.98	1
5.20	1.41	0.45	10.61	2.14	2.14	1
5.12	1.39	0.44	10.61	2.15	2.14	1
5.04	1.37	0.43	10.61	2.15	2.13	1
4.96	1.35	0.43	10.61	2.15	2.13	1
4.88	1.32	0.42	10.61	2.16	2.12	1
4.80	1.30	0.41	10.61	2.16	2.12	1
4.72	1.28	0.41	10.61	2.16	2.11	1
4.64	1.26	0.40	10.61	2.17	2.11	1
4.56	1.24	0.39	10.61	2.17	2.10	1
4.48	1.22	0.39	10.61	2.17	2.09	1
4.40	1.19	0.38	10.61	2.17	2.09	1
4.32	1.17	0.37	10.61	2.18	2.08	1
4.24	1.15	0.37	10.61	2.18	2.08	1
4.16	1.13	0.36	10.61	2.18	2.07	1
4.08	1.11	0.35	10.61	2.18	2.07	1
4.00	1.08	0.34	10.61	2.18	2.06	1
4.00	1.08	0.34	10.61	2.18	2.06	1
3.92	1.06	0.34	10.61	2.18	2.05	1
3.84	1.04	0.33	10.61	2.19	2.04	1
3.76	1.02	0.32	10.61	2.19	2.04	1
3.68	1.00	0.32	10.61	2.19	2.03	1
3.60	0.97	0.31	10.61	2.19	2.03	1
3.52	0.95	0.30	10.61	2.19	2.02	1
3.44	0.93	0.30	10.61	2.19	2.02	1
3.36	0.91	0.29	10.61	2.19	2.01	1
3.28	0.89	0.28	10.61	2.19	2.01	1
3.20	0.86	0.28	10.61	2.19	2.01	1
3.12	0.84	0.27	10.61	2.19	2.00	1
3.04	0.82	0.26	10.61	2.19	2.00	1
2.96	0.80	0.25	10.61	2.19	1.99	1
2.88	0.78	0.25	10.61	2.19	1.98	1
2.80	0.75	0.24	10.61	2.18	1.98	1
2.72	0.73	0.23	10.61	2.18	1.97	1
2.64	0.71	0.23	10.61	2.18	1.97	1
2.56	0.69	0.22	10.61	2.18	1.96	1
2.48	0.67	0.21	10.61	2.18	1.96	1
2.40	0.65	0.21	10.61	2.18	1.95	1
2.32	0.62	0.20	10.61	2.17	1.95	1
2.24	0.60	0.19	10.61	2.17	1.94	1
2.16	0.58	0.19	10.61	2.17	1.93	1
2.08	0.56	0.18	10.61	2.16	1.93	1
2.00	0.54	0.17	10.61	2.16	1.92	1
2.00	0.54	0.17	10.61	2.16	1.92	1
1.92	0.51	0.17	10.61	2.16	1.91	1
1.84	0.49	0.16	10.61	2.16	1.91	1
1.76	0.47	0.15	10.61	2.15	1.90	1
1.68	0.45	0.14	10.61	2.15	1.90	1
1.60	0.43	0.14	10.61	2.15	1.89	1
1.52	0.41	0.13	10.61	2.14	1.88	1
1.44	0.38	0.12	10.61	2.14	1.88	1
1.36	0.36	0.12	10.61	2.13	1.87	1
1.28	0.34	0.11	10.61	2.13	1.87	1

			B115.pso			
1.20	0.32	0.10	10.61	2.13	1.87	1
1.12	0.30	0.10	10.61	2.12	1.86	1
1.04	0.28	0.09	10.61	2.12	1.86	1
0.96	0.25	0.08	10.61	2.11	1.85	1
0.88	0.23	0.08	10.61	2.11	1.85	1
0.80	0.21	0.07	10.61	2.10	1.84	1
0.72	0.19	0.06	10.61	2.10	1.83	1
0.64	0.17	0.06	10.61	2.09	1.83	1
0.56	0.15	0.05	10.61	2.09	1.82	1
0.48	0.13	0.04	10.61	2.08	1.82	1
0.40	0.11	0.03	10.61	2.08	1.81	1
0.32	0.08	0.03	10.61	2.07	1.81	1
0.24	0.06	0.02	10.61	2.07	1.80	1
0.16	0.04	0.01	10.61	2.06	1.80	1
0.08	0.02	0.01	10.61	2.06	1.79	1
0.00	0.00	0.00	10.61	2.05	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.21	0.00	0.00	0.00	0.00	0.00	1
2.19	1.71	1.71	0.00	0.00	0.00	1
2.16	3.42	3.42	0.00	0.00	0.00	1
2.14	5.14	5.14	0.00	0.00	0.00	1
2.12	6.85	6.85	0.00	0.00	0.00	1
2.09	8.56	8.56	0.00	0.00	0.00	1
2.07	10.27	10.27	0.00	0.00	0.00	1
2.04	11.98	11.98	0.00	0.00	0.00	1
2.02	13.70	13.70	0.00	0.00	0.00	1
2.00	15.41	15.41	0.00	0.00	0.00	1
1.97	17.12	17.12	0.00	0.00	0.00	1
1.95	18.83	18.83	0.00	0.00	0.00	1
1.93	20.54	20.54	0.00	0.00	0.00	1
1.90	22.26	22.26	0.00	0.00	0.00	1
1.88	23.97	23.97	0.00	0.00	0.00	1
1.86	25.68	25.68	0.00	0.00	0.00	1
1.83	27.39	27.39	0.00	0.00	0.00	1
1.81	29.10	29.10	0.00	0.00	0.00	1
1.78	30.82	30.82	0.00	0.00	0.00	1
1.76	32.53	32.53	0.00	0.00	0.00	1
1.74	34.24	34.24	0.00	0.00	0.00	1
1.71	35.95	35.95	0.00	0.00	0.00	1
1.69	37.66	37.66	0.00	0.00	0.00	1
1.67	39.37	39.37	0.00	0.00	0.00	1
1.64	41.09	41.09	0.00	0.00	0.00	1
1.62	42.80	42.80	0.00	0.00	0.00	1
1.62	44.51	44.51	0.00	0.00	0.00	1
1.60	46.52	46.52	0.00	0.00	0.00	1
1.58	48.53	48.53	0.00	0.00	0.00	1
1.56	50.24	50.24	0.00	0.00	0.00	1
1.54	51.96	51.96	0.00	0.00	0.00	1
1.52	53.67	53.67	0.00	0.00	0.00	1
1.49	55.38	55.38	0.00	0.00	0.00	1
1.47	57.09	57.09	0.00	0.00	0.00	1
1.45	58.80	58.80	0.00	0.00	0.00	1
1.43	60.52	60.52	0.00	0.00	0.00	1
1.41	85.55	37.50	65.86	49.92	46.57	1
1.39	87.88	52.94	67.91	51.52	31.85	1
1.37	90.20	52.49	69.97	53.11	33.02	1
1.35	92.52	52.06	72.03	54.71	34.18	1
1.32	94.83	51.64	74.09	56.30	35.33	1
1.30	97.15	51.23	76.15	57.88	36.47	1

			B115.pso			
1.28	99.46	50.84	78.22	59.46	37.58	1
1.26	101.76	50.47	80.28	61.04	38.68	1
1.24	104.06	50.11	82.35	62.62	39.76	1
1.22	106.36	49.89	84.42	64.19	40.71	1
1.19	108.66	49.73	86.48	65.76	41.60	1
1.17	110.95	49.59	88.55	67.32	42.47	1
1.15	113.24	49.45	90.61	68.88	43.33	1
1.13	115.52	49.33	92.68	70.44	44.18	1
1.11	117.80	49.22	94.74	72.00	45.02	1
1.08	120.08	49.12	96.80	73.55	45.84	1
1.08	120.08	23.29	96.80	73.55	45.84	1
1.06	122.36	49.02	98.85	75.10	46.67	1
1.04	124.63	48.94	100.91	76.65	47.48	1
1.02	126.90	48.87	102.96	78.19	48.28	1
1.00	129.17	48.81	105.01	79.73	49.06	1
0.97	131.43	48.76	107.06	81.27	49.84	1
0.95	133.69	48.73	109.10	82.80	50.59	1
0.93	135.95	48.71	111.14	84.33	51.34	1
0.91	138.20	48.71	113.14	85.86	52.07	1
0.89	140.46	48.72	114.91	87.38	52.79	1
0.86	142.70	48.74	116.69	88.91	53.49	1
0.84	144.95	48.78	118.45	90.42	54.18	1
0.82	147.19	48.83	120.22	91.94	54.86	1
0.80	149.43	48.89	121.99	93.45	55.52	1
0.78	151.66	48.97	123.75	94.96	56.17	1
0.75	153.90	49.05	125.51	96.46	56.81	1
0.73	156.13	49.15	127.26	97.97	57.44	1
0.71	158.35	49.26	129.01	99.47	58.05	1
0.69	160.58	49.39	130.76	100.96	58.66	1
0.67	162.80	49.52	132.51	102.46	59.25	1
0.65	165.01	49.67	134.25	103.95	59.83	1
0.62	167.23	49.83	135.99	105.43	60.40	1
0.60	169.44	49.99	137.72	106.92	60.96	1
0.58	171.64	50.34	139.45	108.40	61.34	1
0.56	173.85	50.71	141.17	109.88	61.69	1
0.54	176.05	51.10	142.90	111.35	62.03	1
0.54	176.05	33.15	142.90	111.35	62.03	1
0.51	178.25	51.50	144.61	112.82	62.36	1
0.49	180.44	51.91	146.33	114.29	62.68	1
0.47	182.64	52.33	148.04	115.76	62.98	1
0.45	184.82	52.78	149.74	117.22	63.26	1
0.43	187.01	53.24	151.44	118.68	63.52	1
0.41	189.19	53.72	153.14	120.13	63.77	1
0.38	191.37	54.22	154.83	121.59	64.00	1
0.36	193.55	54.73	156.51	123.04	64.21	1
0.34	195.72	55.26	158.19	124.48	64.41	1
0.32	197.89	55.80	159.87	125.93	64.59	1
0.30	200.06	56.36	161.54	127.36	64.76	1
0.28	202.22	56.93	163.20	128.80	64.92	1
0.25	204.38	57.52	164.86	130.23	65.06	1
0.23	206.54	58.12	166.52	131.66	65.18	1
0.21	208.69	58.74	168.16	133.09	65.29	1
0.19	210.84	59.37	169.81	134.51	65.39	1
0.17	212.99	60.01	171.44	135.93	65.47	1
0.15	101.87	60.66	41.20	78.84	-37.64	1
0.13	103.92	61.33	42.59	80.17	-37.58	1
0.11	105.97	62.01	43.96	81.50	-37.54	1
0.08	108.02	62.70	45.32	82.82	-37.50	1
0.06	110.07	63.40	46.66	84.14	-37.47	1
0.04	112.11	64.12	48.00	85.46	-37.46	1
0.02	114.15	64.84	49.32	86.77	-37.46	1
0.00	116.19	65.57	50.62	88.09	0.00	1

B115.pso

Time = 180. Degree of Consolidation = 94.%

Total Settlement = 6.090

Settlement at End of Primary Consolidation = 6.176

Settlement caused by Primary Consolidation at time 180. = 5.797

Settlement caused by Secondary Compression at time 180. = 0.000

Settlement Due to Desiccation = 0.294

Surface Elevation = 0.71

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
8.30	2.18	0.71	10.61	1.98	1.98	1
8.21	2.16	0.71	10.61	1.98	1.98	1
8.12	2.14	0.70	10.61	1.98	1.98	1
8.02	2.11	0.69	10.61	1.98	1.98	1
7.93	2.09	0.68	10.61	1.98	1.98	1
7.84	2.07	0.68	10.61	1.98	1.98	1
7.75	2.04	0.67	10.61	1.98	1.98	1
7.66	2.02	0.66	10.61	1.98	1.98	1
7.56	2.00	0.65	10.61	1.98	1.98	1
7.47	1.97	0.64	10.61	1.98	1.98	1
7.38	1.95	0.64	10.61	1.98	1.98	1
7.29	1.92	0.63	10.61	1.98	1.98	1
7.20	1.90	0.62	10.61	1.98	1.98	1
7.10	1.88	0.61	10.61	1.98	1.98	1
7.01	1.85	0.60	10.61	1.98	1.98	1
6.92	1.83	0.60	10.61	1.98	1.98	1
6.83	1.81	0.59	10.61	1.98	1.98	1
6.74	1.78	0.58	10.61	1.98	1.98	1
6.64	1.76	0.57	10.61	1.98	1.98	1
6.55	1.74	0.56	10.61	1.98	1.98	1
6.46	1.71	0.56	10.61	1.98	1.98	1
6.37	1.69	0.55	10.61	1.98	1.98	1
6.28	1.66	0.54	10.61	1.98	1.98	1
6.18	1.64	0.53	10.61	1.98	1.98	1
6.09	1.62	0.52	10.61	1.98	1.98	1
6.00	1.59	0.52	10.61	2.28	1.98	1
6.00	1.59	0.52	10.61	2.28	1.98	1
5.92	1.57	0.51	10.61	1.98	1.98	1
5.84	1.55	0.50	10.61	1.98	1.98	1
5.76	1.53	0.50	10.61	1.98	1.98	1
5.68	1.51	0.49	10.61	1.98	1.98	1
5.60	1.49	0.48	10.61	1.98	1.98	1
5.52	1.47	0.48	10.61	1.98	1.98	1
5.44	1.45	0.47	10.61	1.98	1.98	1
5.36	1.43	0.46	10.61	1.98	1.98	1
5.28	1.41	0.45	10.61	1.98	1.98	1
5.20	1.39	0.45	10.61	1.98	1.98	1
5.12	1.37	0.44	10.61	2.14	2.14	1
5.04	1.34	0.43	10.61	2.14	2.13	1

			B115.pso			
4.96	1.32	0.43	10.61	2.14	2.13	1
4.88	1.30	0.42	10.61	2.14	2.12	1
4.80	1.28	0.41	10.61	2.14	2.12	1
4.72	1.26	0.41	10.61	2.14	2.11	1
4.64	1.24	0.40	10.61	2.14	2.10	1
4.56	1.21	0.39	10.61	2.14	2.10	1
4.48	1.19	0.39	10.61	2.14	2.09	1
4.40	1.17	0.38	10.61	2.14	2.09	1
4.32	1.15	0.37	10.61	2.14	2.08	1
4.24	1.13	0.37	10.61	2.14	2.08	1
4.16	1.11	0.36	10.61	2.14	2.07	1
4.08	1.08	0.35	10.61	2.14	2.07	1
4.00	1.06	0.34	10.61	2.14	2.06	1
4.00	1.06	0.34	10.61	2.14	2.05	1
3.92	1.04	0.34	10.61	2.14	2.05	1
3.84	1.02	0.33	10.61	2.13	2.04	1
3.76	1.00	0.32	10.61	2.13	2.04	1
3.68	0.98	0.32	10.61	2.13	2.03	1
3.60	0.96	0.31	10.61	2.13	2.03	1
3.52	0.93	0.30	10.61	2.13	2.02	1
3.44	0.91	0.30	10.61	2.13	2.02	1
3.36	0.89	0.29	10.61	2.13	2.01	1
3.28	0.87	0.28	10.61	2.13	2.01	1
3.20	0.85	0.28	10.61	2.13	2.00	1
3.12	0.83	0.27	10.61	2.13	2.00	1
3.04	0.80	0.26	10.61	2.12	1.99	1
2.96	0.78	0.25	10.61	2.12	1.99	1
2.88	0.76	0.25	10.61	2.12	1.98	1
2.80	0.74	0.24	10.61	2.12	1.98	1
2.72	0.72	0.23	10.61	2.12	1.97	1
2.64	0.70	0.23	10.61	2.12	1.97	1
2.56	0.68	0.22	10.61	2.11	1.96	1
2.48	0.65	0.21	10.61	2.11	1.96	1
2.40	0.63	0.21	10.61	2.11	1.95	1
2.32	0.61	0.20	10.61	2.11	1.94	1
2.24	0.59	0.19	10.61	2.10	1.94	1
2.16	0.57	0.19	10.61	2.10	1.93	1
2.08	0.55	0.18	10.61	2.10	1.93	1
2.00	0.53	0.17	10.61	2.10	1.92	1
2.00	0.53	0.17	10.61	2.10	1.92	1
1.92	0.50	0.17	10.61	2.09	1.91	1
1.84	0.48	0.16	10.61	2.09	1.91	1
1.76	0.46	0.15	10.61	2.09	1.90	1
1.68	0.44	0.14	10.61	2.08	1.89	1
1.60	0.42	0.14	10.61	2.08	1.89	1
1.52	0.40	0.13	10.61	2.08	1.88	1
1.44	0.38	0.12	10.61	2.07	1.88	1
1.36	0.36	0.12	10.61	2.07	1.87	1
1.28	0.33	0.11	10.61	2.07	1.87	1
1.20	0.31	0.10	10.61	2.06	1.86	1
1.12	0.29	0.10	10.61	2.06	1.86	1
1.04	0.27	0.09	10.61	2.06	1.86	1
0.96	0.25	0.08	10.61	2.05	1.85	1
0.88	0.23	0.08	10.61	2.05	1.85	1
0.80	0.21	0.07	10.61	2.04	1.84	1
0.72	0.19	0.06	10.61	2.04	1.83	1
0.64	0.17	0.06	10.61	2.03	1.83	1
0.56	0.15	0.05	10.61	2.03	1.82	1
0.48	0.12	0.04	10.61	2.03	1.82	1
0.40	0.10	0.03	10.61	2.02	1.81	1
0.32	0.08	0.03	10.61	2.02	1.81	1
0.24	0.06	0.02	10.61	2.01	1.80	1
0.16	0.04	0.01	10.61	2.01	1.80	1

0.08	0.02	0.01	B115.pso			
0.00	0.00	0.00	10.61	2.00	1.79	1
			10.61	2.00	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.16	1.71	1.71	0.00	0.00	0.00	1
2.14	3.42	3.42	0.00	0.00	0.00	1
2.11	5.14	5.14	0.00	0.00	0.00	1
2.09	6.85	6.85	0.00	0.00	0.00	1
2.07	8.56	8.56	0.00	0.00	0.00	1
2.04	10.27	10.27	0.00	0.00	0.00	1
2.02	11.98	11.98	0.00	0.00	0.00	1
2.00	13.70	13.70	0.00	0.00	0.00	1
1.97	15.41	15.41	0.00	0.00	0.00	1
1.95	17.12	17.12	0.00	0.00	0.00	1
1.92	18.83	18.83	0.00	0.00	0.00	1
1.90	20.54	20.54	0.00	0.00	0.00	1
1.88	22.26	22.26	0.00	0.00	0.00	1
1.85	23.97	23.97	0.00	0.00	0.00	1
1.83	25.68	25.68	0.00	0.00	0.00	1
1.81	27.39	27.39	0.00	0.00	0.00	1
1.78	29.10	29.10	0.00	0.00	0.00	1
1.76	30.82	30.82	0.00	0.00	0.00	1
1.74	32.53	32.53	0.00	0.00	0.00	1
1.71	34.24	34.24	0.00	0.00	0.00	1
1.69	35.95	35.95	0.00	0.00	0.00	1
1.66	37.66	37.66	0.00	0.00	0.00	1
1.64	39.37	39.37	0.00	0.00	0.00	1
1.62	41.09	41.09	0.00	0.00	0.00	1
1.59	42.80	42.80	0.00	0.00	0.00	1
1.59	44.51	44.51	0.00	0.00	0.00	1
1.57	46.52	46.52	0.00	0.00	0.00	1
1.55	48.53	48.53	0.00	0.00	0.00	1
1.53	50.24	50.24	0.00	0.00	0.00	1
1.51	51.96	51.96	0.00	0.00	0.00	1
1.49	53.67	53.67	0.00	0.00	0.00	1
1.47	55.38	55.38	0.00	0.00	0.00	1
1.45	57.09	57.09	0.00	0.00	0.00	1
1.43	58.80	58.80	0.00	0.00	0.00	1
1.41	60.52	60.52	0.00	0.00	0.00	1
1.39	62.23	62.23	0.00	0.00	0.00	1
1.37	87.88	52.94	67.91	51.52	33.52	1
1.34	90.20	54.23	69.97	53.11	32.96	1
1.32	92.52	54.22	72.03	54.71	33.70	1
1.30	94.83	54.21	74.09	56.30	34.43	1
1.28	97.15	54.21	76.15	57.88	35.16	1
1.26	99.46	54.21	78.22	59.46	35.89	1
1.24	101.76	54.21	80.28	61.04	36.61	1
1.21	104.06	54.22	82.35	62.62	37.33	1
1.19	106.36	54.24	84.42	64.19	38.04	1
1.17	108.66	54.26	86.48	65.76	38.75	1
1.15	110.95	54.28	88.55	67.32	39.45	1
1.13	113.24	54.32	90.61	68.88	40.14	1
1.11	115.52	54.36	92.68	70.44	40.82	1
1.08	117.80	54.42	94.74	72.00	41.50	1
1.06	120.08	54.48	96.80	73.55	42.16	1
1.06	120.08	23.29	96.80	73.55	42.16	1
1.04	122.36	54.54	98.85	75.10	42.83	1
1.02	124.63	54.61	100.91	76.65	43.48	1
1.00	126.90	54.69	102.96	78.19	44.13	1

			B115.pso			
0.98	129.17	54.79	105.01	79.73	44.76	1
0.96	131.43	54.89	107.06	81.27	45.38	1
0.93	133.69	55.01	109.10	82.80	45.99	1
0.91	135.95	55.14	111.14	84.33	46.59	1
0.89	138.20	55.28	113.14	85.86	47.17	1
0.87	140.46	55.43	114.91	87.38	47.75	1
0.85	142.70	55.60	116.69	88.91	48.31	1
0.83	144.95	55.78	118.45	90.42	48.85	1
0.80	147.19	55.97	120.22	91.94	49.39	1
0.78	149.43	56.18	121.99	93.45	49.91	1
0.76	151.66	56.40	123.75	94.96	50.41	1
0.74	153.90	56.63	125.51	96.46	50.91	1
0.72	156.13	56.88	127.26	97.97	51.39	1
0.70	158.35	57.14	129.01	99.47	51.85	1
0.68	160.58	57.41	130.76	100.96	52.31	1
0.65	162.80	57.70	132.51	102.46	52.74	1
0.63	165.01	58.00	134.25	103.95	53.17	1
0.61	167.23	58.32	135.99	105.43	53.58	1
0.59	169.44	58.65	137.72	106.92	53.98	1
0.57	171.64	58.99	139.45	108.40	54.36	1
0.55	173.85	59.35	141.17	109.88	54.73	1
0.53	176.05	59.72	142.90	111.35	55.09	1
0.53	176.05	33.15	142.90	111.35	55.09	1
0.50	178.25	60.09	144.61	112.82	55.44	1
0.48	180.44	60.47	146.33	114.29	55.79	1
0.46	182.64	60.87	148.04	115.76	56.11	1
0.44	184.82	61.28	149.74	117.22	56.43	1
0.42	187.01	61.71	151.44	118.68	56.73	1
0.40	189.19	62.14	153.14	120.13	57.02	1
0.38	191.37	62.59	154.83	121.59	57.30	1
0.36	193.55	63.06	156.51	123.04	57.56	1
0.33	195.72	63.53	158.19	124.48	57.81	1
0.31	197.89	64.02	159.87	125.93	58.05	1
0.29	200.06	64.52	161.54	127.36	58.28	1
0.27	202.22	65.04	163.20	128.80	58.49	1
0.25	204.38	65.56	164.86	130.23	58.69	1
0.23	206.54	66.10	166.52	131.66	58.88	1
0.21	208.69	66.65	168.16	133.09	59.05	1
0.19	210.84	67.21	169.81	134.51	59.22	1
0.17	99.09	67.79	31.30	74.86	-43.56	1
0.15	101.12	68.37	32.75	76.17	-43.42	1
0.12	103.15	68.97	34.18	77.47	-43.29	1
0.10	105.18	69.58	35.60	78.77	-43.17	1
0.08	107.20	70.19	37.01	80.07	-43.06	1
0.06	109.22	70.82	38.40	81.36	-42.96	1
0.04	111.24	71.46	39.78	82.66	-42.88	1
0.02	113.26	72.11	41.15	83.95	-42.80	1
0.00	115.28	72.77	42.51	85.24	0.00	1

Time = 210. Degree of Consolidation = 94.%

Total Settlement = 6.116

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 210. = 5.816

Settlement caused by Secondary Compression at time 210. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.68

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
8.30	2.17	0.71	10.61	1.98	1.98	1
8.21	2.14	0.71	10.61	1.98	1.98	1
8.12	2.12	0.70	10.61	1.98	1.98	1
8.02	2.10	0.69	10.61	1.98	1.98	1
7.93	2.07	0.68	10.61	1.98	1.98	1
7.84	2.05	0.68	10.61	1.98	1.98	1
7.75	2.03	0.67	10.61	1.98	1.98	1
7.66	2.00	0.66	10.61	1.98	1.98	1
7.56	1.98	0.65	10.61	1.98	1.98	1
7.47	1.96	0.64	10.61	1.98	1.98	1
7.38	1.93	0.64	10.61	1.98	1.98	1
7.29	1.91	0.63	10.61	1.98	1.98	1
7.20	1.88	0.62	10.61	1.98	1.98	1
7.10	1.86	0.61	10.61	1.98	1.98	1
7.01	1.84	0.60	10.61	1.98	1.98	1
6.92	1.81	0.60	10.61	1.98	1.98	1
6.83	1.79	0.59	10.61	1.98	1.98	1
6.74	1.77	0.58	10.61	1.98	1.98	1
6.64	1.74	0.57	10.61	1.98	1.98	1
6.55	1.72	0.56	10.61	1.98	1.98	1
6.46	1.70	0.56	10.61	1.98	1.98	1
6.37	1.67	0.55	10.61	1.98	1.98	1
6.28	1.65	0.54	10.61	1.98	1.98	1
6.18	1.62	0.53	10.61	1.98	1.98	1
6.09	1.60	0.52	10.61	1.98	1.98	1
6.00	1.58	0.52	10.61	2.28	1.98	1
6.00	1.58	0.52	10.61	2.28	1.98	1
5.92	1.56	0.51	10.61	1.98	1.98	1
5.84	1.54	0.50	10.61	1.98	1.98	1
5.76	1.51	0.50	10.61	1.98	1.98	1
5.68	1.49	0.49	10.61	1.98	1.98	1
5.60	1.47	0.48	10.61	1.98	1.98	1
5.52	1.45	0.48	10.61	1.98	1.98	1
5.44	1.43	0.47	10.61	1.98	1.98	1
5.36	1.41	0.46	10.61	1.98	1.98	1
5.28	1.39	0.45	10.61	1.98	1.98	1
5.20	1.37	0.45	10.61	1.98	1.98	1
5.12	1.35	0.44	10.61	2.14	2.14	1
5.04	1.33	0.43	10.61	2.14	2.13	1
4.96	1.31	0.43	10.61	2.13	2.13	1
4.88	1.29	0.42	10.61	2.13	2.12	1
4.80	1.26	0.41	10.61	2.13	2.12	1
4.72	1.24	0.41	10.61	2.13	2.11	1
4.64	1.22	0.40	10.61	2.13	2.10	1
4.56	1.20	0.39	10.61	2.12	2.10	1
4.48	1.18	0.39	10.61	2.12	2.09	1
4.40	1.16	0.38	10.61	2.12	2.09	1
4.32	1.13	0.37	10.61	2.12	2.08	1
4.24	1.11	0.37	10.61	2.12	2.08	1
4.16	1.09	0.36	10.61	2.11	2.07	1
4.08	1.07	0.35	10.61	2.11	2.07	1
4.00	1.05	0.34	10.61	2.11	2.06	1
4.00	1.05	0.34	10.61	2.11	2.05	1

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3.92	1.03	0.34	10.61	2.11	2.05	1
3.84	1.01	0.33	10.61	2.11	2.04	1
3.76	0.98	0.32	10.61	2.10	2.04	1
3.68	0.96	0.32	10.61	2.10	2.03	1
3.60	0.94	0.31	10.61	2.10	2.03	1
3.52	0.92	0.30	10.61	2.10	2.02	1
3.44	0.90	0.30	10.61	2.10	2.02	1
3.36	0.88	0.29	10.61	2.09	2.01	1
3.28	0.86	0.28	10.61	2.09	2.01	1
3.20	0.83	0.28	10.61	2.09	2.00	1
3.12	0.81	0.27	10.61	2.09	2.00	1
3.04	0.79	0.26	10.61	2.09	1.99	1
2.96	0.77	0.25	10.61	2.08	1.99	1
2.88	0.75	0.25	10.61	2.08	1.98	1
2.80	0.73	0.24	10.61	2.08	1.98	1
2.72	0.71	0.23	10.61	2.08	1.97	1
2.64	0.69	0.23	10.61	2.07	1.97	1
2.56	0.67	0.22	10.61	2.07	1.96	1
2.48	0.64	0.21	10.61	2.07	1.96	1
2.40	0.62	0.21	10.61	2.06	1.95	1
2.32	0.60	0.20	10.61	2.06	1.94	1
2.24	0.58	0.19	10.61	2.06	1.94	1
2.16	0.56	0.19	10.61	2.06	1.93	1
2.08	0.54	0.18	10.61	2.05	1.93	1
2.00	0.52	0.17	10.61	2.05	1.92	1
2.00	0.52	0.17	10.61	2.05	1.92	1
1.92	0.50	0.17	10.61	2.05	1.91	1
1.84	0.48	0.16	10.61	2.04	1.91	1
1.76	0.45	0.15	10.61	2.04	1.90	1
1.68	0.43	0.14	10.61	2.04	1.89	1
1.60	0.41	0.14	10.61	2.03	1.89	1
1.52	0.39	0.13	10.61	2.03	1.88	1
1.44	0.37	0.12	10.61	2.03	1.88	1
1.36	0.35	0.12	10.61	2.02	1.87	1
1.28	0.33	0.11	10.61	2.02	1.87	1
1.20	0.31	0.10	10.61	2.01	1.86	1
1.12	0.29	0.10	10.61	2.01	1.86	1
1.04	0.27	0.09	10.61	2.01	1.86	1
0.96	0.25	0.08	10.61	2.00	1.85	1
0.88	0.23	0.08	10.61	2.00	1.85	1
0.80	0.20	0.07	10.61	2.00	1.84	1
0.72	0.18	0.06	10.61	1.99	1.83	1
0.64	0.16	0.06	10.61	1.99	1.83	1
0.56	0.14	0.05	10.61	1.98	1.82	1
0.48	0.12	0.04	10.61	1.98	1.82	1
0.40	0.10	0.03	10.61	1.97	1.81	1
0.32	0.08	0.03	10.61	1.97	1.81	1
0.24	0.06	0.02	10.61	1.97	1.80	1
0.16	0.04	0.01	10.61	1.96	1.80	1
0.08	0.02	0.01	10.61	1.96	1.79	1
0.00	0.00	0.00	10.61	1.95	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.17	0.00	0.00	0.00	0.00	0.00	1
2.14	1.71	1.71	0.00	0.00	0.00	1
2.12	3.42	3.42	0.00	0.00	0.00	1
2.10	5.14	5.14	0.00	0.00	0.00	1
2.07	6.85	6.85	0.00	0.00	0.00	1
2.05	8.56	8.56	0.00	0.00	0.00	1
2.03	10.27	10.27	0.00	0.00	0.00	1

			B115.pso			
2.00	11.98	11.98	0.00	0.00	0.00	1
1.98	13.70	13.70	0.00	0.00	0.00	1
1.96	15.41	15.41	0.00	0.00	0.00	1
1.93	17.12	17.12	0.00	0.00	0.00	1
1.91	18.83	18.83	0.00	0.00	0.00	1
1.88	20.54	20.54	0.00	0.00	0.00	1
1.86	22.26	22.26	0.00	0.00	0.00	1
1.84	23.97	23.97	0.00	0.00	0.00	1
1.81	25.68	25.68	0.00	0.00	0.00	1
1.79	27.39	27.39	0.00	0.00	0.00	1
1.77	29.10	29.10	0.00	0.00	0.00	1
1.74	30.82	30.82	0.00	0.00	0.00	1
1.72	32.53	32.53	0.00	0.00	0.00	1
1.70	34.24	34.24	0.00	0.00	0.00	1
1.67	35.95	35.95	0.00	0.00	0.00	1
1.65	37.66	37.66	0.00	0.00	0.00	1
1.62	39.37	39.37	0.00	0.00	0.00	1
1.60	41.09	41.09	0.00	0.00	0.00	1
1.58	42.80	42.80	0.00	0.00	0.00	1
1.58	44.51	44.51	0.00	0.00	0.00	1
1.56	46.52	46.52	0.00	0.00	0.00	1
1.54	48.53	48.53	0.00	0.00	0.00	1
1.51	50.24	50.24	0.00	0.00	0.00	1
1.49	51.96	51.96	0.00	0.00	0.00	1
1.47	53.67	53.67	0.00	0.00	0.00	1
1.45	55.38	55.38	0.00	0.00	0.00	1
1.43	57.09	57.09	0.00	0.00	0.00	1
1.41	58.80	58.80	0.00	0.00	0.00	1
1.39	60.52	60.52	0.00	0.00	0.00	1
1.37	62.23	62.23	0.00	0.00	0.00	1
1.35	87.88	52.94	67.91	51.52	33.52	1
1.33	90.20	54.50	69.97	53.11	32.69	1
1.31	92.52	54.76	72.03	54.71	33.16	1
1.29	94.83	55.02	74.09	56.30	33.63	1
1.26	97.15	55.27	76.15	57.88	34.10	1
1.24	99.46	55.52	78.22	59.46	34.58	1
1.22	101.76	55.77	80.28	61.04	35.05	1
1.20	104.06	56.02	82.35	62.62	35.53	1
1.18	106.36	56.27	84.42	64.19	36.01	1
1.16	108.66	56.52	86.48	65.76	36.49	1
1.13	110.95	56.77	88.55	67.32	36.96	1
1.11	113.24	57.02	90.61	68.88	37.44	1
1.09	115.52	57.28	92.68	70.44	37.91	1
1.07	117.80	57.53	94.74	72.00	38.38	1
1.05	120.08	57.79	96.80	73.55	38.85	1
1.05	120.08	23.29	96.80	73.55	38.85	1
1.03	122.36	58.05	98.85	75.10	39.32	1
1.01	124.63	58.31	100.91	76.65	39.79	1
0.98	126.90	58.57	102.96	78.19	40.25	1
0.96	129.17	58.84	105.01	79.73	40.71	1
0.94	131.43	59.11	107.06	81.27	41.16	1
0.92	133.69	59.39	109.10	82.80	41.61	1
0.90	135.95	59.67	111.14	84.33	42.05	1
0.88	138.20	59.96	113.14	85.86	42.49	1
0.86	140.46	60.26	114.91	87.38	42.92	1
0.83	142.70	60.56	116.69	88.91	43.35	1
0.81	144.95	60.86	118.45	90.42	43.77	1
0.79	147.19	61.18	120.22	91.94	44.18	1
0.77	149.43	61.50	121.99	93.45	44.59	1
0.75	151.66	61.82	123.75	94.96	44.99	1
0.73	153.90	62.16	125.51	96.46	45.38	1
0.71	156.13	62.50	127.26	97.97	45.77	1
0.69	158.35	62.85	129.01	99.47	46.15	1

			B115.pso			
0.67	160.58	63.20	130.76	100.96	46.52	1
0.64	162.80	63.56	132.51	102.46	46.88	1
0.62	165.01	63.93	134.25	103.95	47.24	1
0.60	167.23	64.31	135.99	105.43	47.59	1
0.58	169.44	64.70	137.72	106.92	47.93	1
0.56	171.64	65.10	139.45	108.40	48.26	1
0.54	173.85	65.50	141.17	109.88	48.58	1
0.52	176.05	65.91	142.90	111.35	48.90	1
0.52	176.05	33.15	142.90	111.35	48.90	1
0.50	178.25	66.32	144.61	112.82	49.21	1
0.48	180.44	66.74	146.33	114.29	49.52	1
0.45	182.64	67.17	148.04	115.76	49.82	1
0.43	184.82	67.61	149.74	117.22	50.11	1
0.41	187.01	68.05	151.44	118.68	50.39	1
0.39	189.19	68.50	153.14	120.13	50.66	1
0.37	191.37	68.97	154.83	121.59	50.93	1
0.35	193.55	69.44	156.51	123.04	51.18	1
0.33	195.72	69.92	158.19	124.48	51.43	1
0.31	197.89	70.41	159.87	125.93	51.67	1
0.29	200.06	70.90	161.54	127.36	51.90	1
0.27	202.22	71.41	163.20	128.80	52.12	1
0.25	204.38	71.92	164.86	130.23	52.33	1
0.23	206.54	72.44	166.52	131.66	52.54	1
0.20	208.69	72.97	168.16	133.09	52.73	1
0.18	97.39	73.51	23.87	72.73	-48.86	1
0.16	99.40	74.06	25.34	74.01	-48.68	1
0.14	101.41	74.61	26.79	75.30	-48.50	1
0.12	103.42	75.18	28.24	76.58	-48.34	1
0.10	105.42	75.75	29.67	77.86	-48.19	1
0.08	107.43	76.33	31.10	79.14	-48.04	1
0.06	109.43	76.92	32.51	80.41	-47.90	1
0.04	111.43	77.51	33.92	81.69	-47.77	1
0.02	113.43	78.12	35.31	82.96	-47.65	1
0.00	115.43	78.73	36.70	84.23	0.00	1

Time = 240. Degree of Consolidation = 94.0%

Total Settlement = 6.132

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 240. = 5.832

Settlement caused by Secondary Compression at time 240. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.67

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
8.30	2.16	0.71	10.61	1.98	1.98	1
8.21	2.13	0.71	10.61	1.98	1.98	1
8.12	2.11	0.70	10.61	1.98	1.98	1
8.02	2.09	0.69	10.61	1.98	1.98	1

7.93	2.06	0.68	B115.pso 10.61	1.98	1.98	1
7.84	2.04	0.68	10.61	1.98	1.98	1
7.75	2.01	0.67	10.61	1.98	1.98	1
7.66	1.99	0.66	10.61	1.98	1.98	1
7.56	1.97	0.65	10.61	1.98	1.98	1
7.47	1.94	0.64	10.61	1.98	1.98	1
7.38	1.92	0.64	10.61	1.98	1.98	1
7.29	1.90	0.63	10.61	1.98	1.98	1
7.20	1.87	0.62	10.61	1.98	1.98	1
7.10	1.85	0.61	10.61	1.98	1.98	1
7.01	1.83	0.60	10.61	1.98	1.98	1
6.92	1.80	0.60	10.61	1.98	1.98	1
6.83	1.78	0.59	10.61	1.98	1.98	1
6.74	1.75	0.58	10.61	1.98	1.98	1
6.64	1.73	0.57	10.61	1.98	1.98	1
6.55	1.71	0.56	10.61	1.98	1.98	1
6.46	1.68	0.56	10.61	1.98	1.98	1
6.37	1.66	0.55	10.61	1.98	1.98	1
6.28	1.64	0.54	10.61	1.98	1.98	1
6.18	1.61	0.53	10.61	1.98	1.98	1
6.09	1.59	0.52	10.61	1.98	1.98	1
6.00	1.57	0.52	10.61	2.28	1.98	1
6.00	1.57	0.52	10.61	2.28	1.98	1
5.92	1.54	0.51	10.61	1.98	1.98	1
5.84	1.52	0.50	10.61	1.98	1.98	1
5.76	1.50	0.50	10.61	1.98	1.98	1
5.68	1.48	0.49	10.61	1.98	1.98	1
5.60	1.46	0.48	10.61	1.98	1.98	1
5.52	1.44	0.48	10.61	1.98	1.98	1
5.44	1.42	0.47	10.61	1.98	1.98	1
5.36	1.40	0.46	10.61	1.98	1.98	1
5.28	1.38	0.45	10.61	1.98	1.98	1
5.20	1.36	0.45	10.61	1.98	1.98	1
5.12	1.34	0.44	10.61	2.14	2.14	1
5.04	1.32	0.43	10.61	2.13	2.13	1
4.96	1.29	0.43	10.61	2.13	2.13	1
4.88	1.27	0.42	10.61	2.13	2.12	1
4.80	1.25	0.41	10.61	2.12	2.12	1
4.72	1.23	0.41	10.61	2.12	2.11	1
4.64	1.21	0.40	10.61	2.12	2.10	1
4.56	1.19	0.39	10.61	2.11	2.10	1
4.48	1.17	0.39	10.61	2.11	2.09	1
4.40	1.14	0.38	10.61	2.11	2.09	1
4.32	1.12	0.37	10.61	2.11	2.08	1
4.24	1.10	0.37	10.61	2.10	2.08	1
4.16	1.08	0.36	10.61	2.10	2.07	1
4.08	1.06	0.35	10.61	2.10	2.07	1
4.00	1.04	0.34	10.61	2.09	2.06	1
4.00	1.04	0.34	10.61	2.09	2.05	1
3.92	1.02	0.34	10.61	2.09	2.05	1
3.84	0.99	0.33	10.61	2.09	2.04	1
3.76	0.97	0.32	10.61	2.08	2.04	1
3.68	0.95	0.32	10.61	2.08	2.03	1
3.60	0.93	0.31	10.61	2.08	2.03	1
3.52	0.91	0.30	10.61	2.08	2.02	1
3.44	0.89	0.30	10.61	2.07	2.02	1
3.36	0.87	0.29	10.61	2.07	2.01	1
3.28	0.85	0.28	10.61	2.07	2.01	1
3.20	0.83	0.28	10.61	2.06	2.00	1
3.12	0.80	0.27	10.61	2.06	2.00	1
3.04	0.78	0.26	10.61	2.06	1.99	1
2.96	0.76	0.25	10.61	2.05	1.99	1
2.88	0.74	0.25	10.61	2.05	1.98	1

			B115.pso			
2.80	0.72	0.24	10.61	2.05	1.98	1
2.72	0.70	0.23	10.61	2.04	1.97	1
2.64	0.68	0.23	10.61	2.04	1.97	1
2.56	0.66	0.22	10.61	2.04	1.96	1
2.48	0.64	0.21	10.61	2.03	1.96	1
2.40	0.62	0.21	10.61	2.03	1.95	1
2.32	0.59	0.20	10.61	2.03	1.94	1
2.24	0.57	0.19	10.61	2.02	1.94	1
2.16	0.55	0.19	10.61	2.02	1.93	1
2.08	0.53	0.18	10.61	2.02	1.93	1
2.00	0.51	0.17	10.61	2.01	1.92	1
2.00	0.51	0.17	10.61	2.01	1.92	1
1.92	0.49	0.17	10.61	2.01	1.91	1
1.84	0.47	0.16	10.61	2.01	1.91	1
1.76	0.45	0.15	10.61	2.00	1.90	1
1.68	0.43	0.14	10.61	2.00	1.89	1
1.60	0.41	0.14	10.61	2.00	1.89	1
1.52	0.39	0.13	10.61	1.99	1.88	1
1.44	0.37	0.12	10.61	1.99	1.88	1
1.36	0.35	0.12	10.61	1.99	1.87	1
1.28	0.33	0.11	10.61	1.98	1.87	1
1.20	0.30	0.10	10.61	1.98	1.86	1
1.12	0.28	0.10	10.61	1.97	1.86	1
1.04	0.26	0.09	10.61	1.97	1.86	1
0.96	0.24	0.08	10.61	1.97	1.85	1
0.88	0.22	0.08	10.61	1.96	1.85	1
0.80	0.20	0.07	10.61	1.96	1.84	1
0.72	0.18	0.06	10.61	1.95	1.83	1
0.64	0.16	0.06	10.61	1.95	1.83	1
0.56	0.14	0.05	10.61	1.95	1.82	1
0.48	0.12	0.04	10.61	1.94	1.82	1
0.40	0.10	0.03	10.61	1.94	1.81	1
0.32	0.08	0.03	10.61	1.93	1.81	1
0.24	0.06	0.02	10.61	1.93	1.80	1
0.16	0.04	0.01	10.61	1.93	1.80	1
0.08	0.02	0.01	10.61	1.92	1.79	1
0.00	0.00	0.00	10.61	1.92	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.16	0.00	0.00	0.00	0.00	0.00	1
2.13	1.71	1.71	0.00	0.00	0.00	1
2.11	3.42	3.42	0.00	0.00	0.00	1
2.09	5.14	5.14	0.00	0.00	0.00	1
2.06	6.85	6.85	0.00	0.00	0.00	1
2.04	8.56	8.56	0.00	0.00	0.00	1
2.01	10.27	10.27	0.00	0.00	0.00	1
1.99	11.98	11.98	0.00	0.00	0.00	1
1.97	13.70	13.70	0.00	0.00	0.00	1
1.94	15.41	15.41	0.00	0.00	0.00	1
1.92	17.12	17.12	0.00	0.00	0.00	1
1.90	18.83	18.83	0.00	0.00	0.00	1
1.87	20.54	20.54	0.00	0.00	0.00	1
1.85	22.26	22.26	0.00	0.00	0.00	1
1.83	23.97	23.97	0.00	0.00	0.00	1
1.80	25.68	25.68	0.00	0.00	0.00	1
1.78	27.39	27.39	0.00	0.00	0.00	1
1.75	29.10	29.10	0.00	0.00	0.00	1
1.73	30.82	30.82	0.00	0.00	0.00	1
1.71	32.53	32.53	0.00	0.00	0.00	1
1.68	34.24	34.24	0.00	0.00	0.00	1

			B115.pso				
1.66	35.95	35.95	0.00	0.00	0.00	1	
1.64	37.66	37.66	0.00	0.00	0.00	1	
1.61	39.37	39.37	0.00	0.00	0.00	1	
1.59	41.09	41.09	0.00	0.00	0.00	1	
1.57	42.80	42.80	0.00	0.00	0.00	1	
1.57	44.51	44.51	0.00	0.00	0.00	1	
1.54	46.52	46.52	0.00	0.00	0.00	1	
1.52	48.53	48.53	0.00	0.00	0.00	1	
1.50	50.24	50.24	0.00	0.00	0.00	1	
1.48	51.96	51.96	0.00	0.00	0.00	1	
1.46	53.67	53.67	0.00	0.00	0.00	1	
1.44	55.38	55.38	0.00	0.00	0.00	1	
1.42	57.09	57.09	0.00	0.00	0.00	1	
1.40	58.80	58.80	0.00	0.00	0.00	1	
1.38	60.52	60.52	0.00	0.00	0.00	1	
1.36	62.23	62.23	0.00	0.00	0.00	1	
1.34	87.88	52.94	67.91	51.52	33.52	1	
1.32	90.20	54.69	69.97	53.11	32.51	1	
1.29	92.52	55.13	72.03	54.71	32.79	1	
1.27	94.83	55.56	74.09	56.30	33.08	1	
1.25	97.15	55.99	76.15	57.88	33.38	1	
1.23	99.46	56.42	78.22	59.46	33.68	1	
1.21	101.76	56.84	80.28	61.04	33.99	1	
1.19	104.06	57.25	82.35	62.62	34.30	1	
1.17	106.36	57.66	84.42	64.19	34.62	1	
1.14	108.66	58.07	86.48	65.76	34.94	1	
1.12	110.95	58.48	88.55	67.32	35.26	1	
1.10	113.24	58.88	90.61	68.88	35.58	1	
1.08	115.52	59.28	92.68	70.44	35.91	1	
1.06	117.80	59.68	94.74	72.00	36.24	1	
1.04	120.08	60.07	96.80	73.55	36.57	1	
1.04	120.08	23.29	96.80	73.55	36.57	1	
1.02	122.36	60.47	98.85	75.10	36.90	1	
0.99	124.63	60.87	100.91	76.65	37.23	1	
0.97	126.90	61.26	102.96	78.19	37.56	1	
0.95	129.17	61.66	105.01	79.73	37.89	1	
0.93	131.43	62.05	107.06	81.27	38.22	1	
0.91	133.69	62.45	109.10	82.80	38.55	1	
0.89	135.95	62.85	111.14	84.33	38.88	1	
0.87	138.20	63.25	113.14	85.86	39.20	1	
0.85	140.46	63.65	114.91	87.38	39.53	1	
0.83	142.70	64.05	116.69	88.91	39.85	1	
0.80	144.95	64.46	118.45	90.42	40.18	1	
0.78	147.19	64.86	120.22	91.94	40.50	1	
0.76	149.43	65.27	121.99	93.45	40.81	1	
0.74	151.66	65.68	123.75	94.96	41.13	1	
0.72	153.90	66.10	125.51	96.46	41.44	1	
0.70	156.13	66.52	127.26	97.97	41.75	1	
0.68	158.35	66.94	129.01	99.47	42.05	1	
0.66	160.58	67.36	130.76	100.96	42.36	1	
0.64	162.80	67.79	132.51	102.46	42.65	1	
0.62	165.01	68.23	134.25	103.95	42.95	1	
0.59	167.23	68.66	135.99	105.43	43.24	1	
0.57	169.44	69.10	137.72	106.92	43.52	1	
0.55	171.64	69.55	139.45	108.40	43.81	1	
0.53	173.85	70.00	141.17	109.88	44.08	1	
0.51	176.05	70.45	142.90	111.35	44.36	1	
0.51	176.05	33.15	142.90	111.35	44.36	1	
0.49	178.25	70.90	144.61	112.82	44.63	1	
0.47	180.44	71.36	146.33	114.29	44.90	1	
0.45	182.64	71.82	148.04	115.76	45.16	1	
0.43	184.82	72.29	149.74	117.22	45.42	1	
0.41	187.01	72.76	151.44	118.68	45.67	1	

			B115.pso			
0.39	189.19	73.24	153.14	120.13	45.92	1
0.37	191.37	73.73	154.83	121.59	46.17	1
0.35	193.55	74.21	156.51	123.04	46.41	1
0.33	195.72	74.71	158.19	124.48	46.64	1
0.30	197.89	75.21	159.87	125.93	46.87	1
0.28	200.06	75.71	161.54	127.36	47.09	1
0.26	202.22	76.22	163.20	128.80	47.31	1
0.24	204.38	76.73	164.86	130.23	47.52	1
0.22	206.54	77.25	166.52	131.66	47.73	1
0.20	95.95	77.78	18.17	70.86	-52.69	1
0.18	97.94	78.31	19.64	72.13	-52.50	1
0.16	99.94	78.84	21.10	73.40	-52.30	1
0.14	101.93	79.39	22.55	74.67	-52.12	1
0.12	103.93	79.93	23.99	75.93	-51.94	1
0.10	105.92	80.49	25.43	77.20	-51.76	1
0.08	107.91	81.04	26.87	78.46	-51.60	1
0.06	109.90	81.61	28.29	79.72	-51.43	1
0.04	111.88	82.17	29.71	80.98	-51.27	1
0.02	113.86	82.75	31.12	82.24	-51.12	1
0.00	115.85	83.33	32.52	83.49	0.00	1

Time = 270. Degree of Consolidation = 95.0%

Total Settlement = 6.144

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 270. = 5.844

Settlement caused by Secondary Compression at time 270. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.66

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.14	0.71	10.61	1.98	1.98	1
8.21	2.11	0.71	10.61	1.98	1.98	1
8.12	2.09	0.70	10.61	1.98	1.98	1
8.02	2.06	0.69	10.61	1.98	1.98	1
7.93	2.04	0.68	10.61	1.98	1.98	1
7.84	2.02	0.68	10.61	1.98	1.98	1
7.75	1.99	0.67	10.61	1.98	1.98	1
7.66	1.97	0.66	10.61	1.98	1.98	1
7.56	1.95	0.65	10.61	1.98	1.98	1
7.47	1.92	0.64	10.61	1.98	1.98	1
7.38	1.90	0.64	10.61	1.98	1.98	1
7.29	1.88	0.63	10.61	1.98	1.98	1
7.20	1.85	0.62	10.61	1.98	1.98	1
7.10	1.83	0.61	10.61	1.98	1.98	1
7.01	1.80	0.60	10.61	1.98	1.98	1
6.92	1.78	0.60	10.61	1.98	1.98	1
6.83	1.76	0.59	10.61	1.98	1.98	1
6.74	1.73	0.58	10.61	1.98	1.98	1

			B115.pso			
6.64	1.71	0.57	10.61	1.98	1.98	1
6.55	1.69	0.56	10.61	1.98	1.98	1
6.46	1.66	0.56	10.61	1.98	1.98	1
6.37	1.64	0.55	10.61	1.98	1.98	1
6.28	1.62	0.54	10.61	1.98	1.98	1
6.18	1.59	0.53	10.61	1.98	1.98	1
6.09	1.57	0.52	10.61	1.98	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
5.92	1.52	0.51	10.61	1.98	1.98	1
5.84	1.50	0.50	10.61	1.98	1.98	1
5.76	1.48	0.50	10.61	1.98	1.98	1
5.68	1.46	0.49	10.61	1.98	1.98	1
5.60	1.44	0.48	10.61	1.98	1.98	1
5.52	1.42	0.48	10.61	1.98	1.98	1
5.44	1.40	0.47	10.61	1.98	1.98	1
5.36	1.38	0.46	10.61	1.98	1.98	1
5.28	1.36	0.45	10.61	1.98	1.98	1
5.20	1.34	0.45	10.61	1.98	1.98	1
5.12	1.32	0.44	10.61	2.14	2.14	1
5.04	1.30	0.43	10.61	2.13	2.13	1
4.96	1.27	0.43	10.61	2.13	2.13	1
4.88	1.25	0.42	10.61	2.12	2.12	1
4.80	1.23	0.41	10.61	2.12	2.12	1
4.72	1.21	0.41	10.61	2.11	2.11	1
4.64	1.19	0.40	10.61	2.10	2.10	1
4.56	1.17	0.39	10.61	2.10	2.10	1
4.48	1.15	0.39	10.61	2.09	2.09	1
4.40	1.12	0.38	10.61	2.09	2.09	1
4.32	1.10	0.37	10.61	2.08	2.08	1
4.24	1.08	0.37	10.61	2.08	2.08	1
4.16	1.06	0.36	10.61	2.07	2.07	1
4.08	1.04	0.35	10.61	2.07	2.07	1
4.00	1.02	0.34	10.61	2.06	2.06	1
4.00	1.02	0.34	10.61	2.06	2.05	1
3.92	1.00	0.34	10.61	2.06	2.05	1
3.84	0.98	0.33	10.61	2.05	2.04	1
3.76	0.95	0.32	10.61	2.05	2.04	1
3.68	0.93	0.32	10.61	2.04	2.03	1
3.60	0.91	0.31	10.61	2.04	2.03	1
3.52	0.89	0.30	10.61	2.04	2.02	1
3.44	0.87	0.30	10.61	2.03	2.02	1
3.36	0.85	0.29	10.61	2.03	2.01	1
3.28	0.83	0.28	10.61	2.02	2.01	1
3.20	0.81	0.28	10.61	2.02	2.00	1
3.12	0.79	0.27	10.61	2.01	2.00	1
3.04	0.77	0.26	10.61	2.01	1.99	1
2.96	0.75	0.25	10.61	2.00	1.99	1
2.88	0.73	0.25	10.61	2.00	1.98	1
2.80	0.70	0.24	10.61	1.99	1.98	1
2.72	0.68	0.23	10.61	1.99	1.97	1
2.64	0.66	0.23	10.61	1.99	1.97	1
2.56	0.64	0.22	10.61	1.98	1.96	1
2.48	0.62	0.21	10.61	1.98	1.96	1
2.40	0.60	0.21	10.61	1.97	1.95	1
2.32	0.58	0.20	10.61	1.97	1.94	1
2.24	0.56	0.19	10.61	1.97	1.94	1
2.16	0.54	0.19	10.61	1.96	1.93	1
2.08	0.52	0.18	10.61	1.96	1.93	1
2.00	0.50	0.17	10.61	1.95	1.92	1
2.00	0.50	0.17	10.61	1.95	1.92	1
1.92	0.48	0.17	10.61	1.95	1.91	1
1.84	0.46	0.16	10.61	1.94	1.91	1

			B115.pso			
1.76	0.44	0.15	10.61	1.94	1.90	1
1.68	0.42	0.14	10.61	1.94	1.89	1
1.60	0.40	0.14	10.61	1.93	1.89	1
1.52	0.38	0.13	10.61	1.93	1.88	1
1.44	0.36	0.12	10.61	1.92	1.88	1
1.36	0.34	0.12	10.61	1.92	1.87	1
1.28	0.32	0.11	10.61	1.92	1.87	1
1.20	0.30	0.10	10.61	1.91	1.86	1
1.12	0.28	0.10	10.61	1.91	1.86	1
1.04	0.26	0.09	10.61	1.90	1.86	1
0.96	0.24	0.08	10.61	1.90	1.85	1
0.88	0.22	0.08	10.61	1.90	1.85	1
0.80	0.20	0.07	10.61	1.89	1.84	1
0.72	0.18	0.06	10.61	1.89	1.83	1
0.64	0.16	0.06	10.61	1.88	1.83	1
0.56	0.14	0.05	10.61	1.88	1.82	1
0.48	0.12	0.04	10.61	1.88	1.82	1
0.40	0.10	0.03	10.61	1.87	1.81	1
0.32	0.08	0.03	10.61	1.87	1.81	1
0.24	0.06	0.02	10.61	1.86	1.80	1
0.16	0.04	0.01	10.61	1.86	1.80	1
0.08	0.02	0.01	10.61	1.86	1.79	1
0.00	0.00	0.00	10.61	1.85	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.14	0.00	0.00	0.00	0.00	0.00	1
2.11	1.71	1.71	0.00	0.00	0.00	1
2.09	3.42	3.42	0.00	0.00	0.00	1
2.06	5.14	5.14	0.00	0.00	0.00	1
2.04	6.85	6.85	0.00	0.00	0.00	1
2.02	8.56	8.56	0.00	0.00	0.00	1
1.99	10.27	10.27	0.00	0.00	0.00	1
1.97	11.98	11.98	0.00	0.00	0.00	1
1.95	13.70	13.70	0.00	0.00	0.00	1
1.92	15.41	15.41	0.00	0.00	0.00	1
1.90	17.12	17.12	0.00	0.00	0.00	1
1.88	18.83	18.83	0.00	0.00	0.00	1
1.85	20.54	20.54	0.00	0.00	0.00	1
1.83	22.26	22.26	0.00	0.00	0.00	1
1.80	23.97	23.97	0.00	0.00	0.00	1
1.78	25.68	25.68	0.00	0.00	0.00	1
1.76	27.39	27.39	0.00	0.00	0.00	1
1.73	29.10	29.10	0.00	0.00	0.00	1
1.71	30.82	30.82	0.00	0.00	0.00	1
1.69	32.53	32.53	0.00	0.00	0.00	1
1.66	34.24	34.24	0.00	0.00	0.00	1
1.64	35.95	35.95	0.00	0.00	0.00	1
1.62	37.66	37.66	0.00	0.00	0.00	1
1.59	39.37	39.37	0.00	0.00	0.00	1
1.57	41.09	41.09	0.00	0.00	0.00	1
1.54	42.80	42.80	0.00	0.00	0.00	1
1.54	44.51	44.51	0.00	0.00	0.00	1
1.52	46.52	46.52	0.00	0.00	0.00	1
1.50	48.53	48.53	0.00	0.00	0.00	1
1.48	50.24	50.24	0.00	0.00	0.00	1
1.46	51.96	51.96	0.00	0.00	0.00	1
1.44	53.67	53.67	0.00	0.00	0.00	1
1.42	55.38	55.38	0.00	0.00	0.00	1
1.40	57.09	57.09	0.00	0.00	0.00	1
1.38	58.80	58.80	0.00	0.00	0.00	1

			B115.pso			
1.36	60.52	60.52	0.00	0.00	0.00	1
1.34	62.23	62.23	0.00	0.00	0.00	1
1.32	87.88	52.94	67.91	51.52	33.52	1
1.30	90.20	54.97	69.97	53.11	32.23	1
1.27	92.52	55.69	72.03	54.71	32.23	1
1.25	94.83	56.42	74.09	56.30	32.23	1
1.23	97.15	57.15	76.15	57.88	32.23	1
1.21	99.46	57.87	78.22	59.46	32.23	1
1.19	101.76	58.59	80.28	61.04	32.24	1
1.17	104.06	59.30	82.35	62.62	32.26	1
1.15	106.36	59.99	84.42	64.19	32.29	1
1.12	108.66	60.68	86.48	65.76	32.33	1
1.10	110.95	61.36	88.55	67.32	32.38	1
1.08	113.24	62.03	90.61	68.88	32.43	1
1.06	115.52	62.69	92.68	70.44	32.50	1
1.04	117.80	63.34	94.74	72.00	32.57	1
1.02	120.08	63.98	96.80	73.55	32.66	1
1.02	120.08	23.29	96.80	73.55	32.66	1
1.00	122.36	64.63	98.85	75.10	32.74	1
0.98	124.63	65.27	100.91	76.65	32.83	1
0.95	126.90	65.90	102.96	78.19	32.92	1
0.93	129.17	66.52	105.01	79.73	33.02	1
0.91	131.43	67.14	107.06	81.27	33.13	1
0.89	133.69	67.75	109.10	82.80	33.25	1
0.87	135.95	68.36	111.14	84.33	33.37	1
0.85	138.20	68.96	113.14	85.86	33.49	1
0.83	140.46	69.56	114.91	87.38	33.62	1
0.81	142.70	70.15	116.69	88.91	33.76	1
0.79	144.95	70.73	118.45	90.42	33.90	1
0.77	147.19	71.32	120.22	91.94	34.04	1
0.75	149.43	71.89	121.99	93.45	34.19	1
0.73	151.66	72.47	123.75	94.96	34.34	1
0.70	153.90	73.04	125.51	96.46	34.50	1
0.68	156.13	73.60	127.26	97.97	34.66	1
0.66	158.35	74.17	129.01	99.47	34.82	1
0.64	160.58	74.73	130.76	100.96	34.99	1
0.62	162.80	75.29	132.51	102.46	35.16	1
0.60	165.01	75.84	134.25	103.95	35.33	1
0.58	167.23	76.39	135.99	105.43	35.51	1
0.56	169.44	76.94	137.72	106.92	35.69	1
0.54	171.64	77.49	139.45	108.40	35.87	1
0.52	173.85	78.03	141.17	109.88	36.05	1
0.50	176.05	78.57	142.90	111.35	36.23	1
0.50	176.05	33.15	142.90	111.35	36.23	1
0.48	178.25	79.12	144.61	112.82	36.42	1
0.46	180.44	79.66	146.33	114.29	36.60	1
0.44	182.64	80.20	148.04	115.76	36.79	1
0.42	184.82	80.73	149.74	117.22	36.98	1
0.40	187.01	81.27	151.44	118.68	37.17	1
0.38	189.19	81.81	153.14	120.13	37.36	1
0.36	191.37	82.34	154.83	121.59	37.55	1
0.34	193.55	82.87	156.51	123.04	37.75	1
0.32	195.72	83.40	158.19	124.48	37.94	1
0.30	197.89	83.94	159.87	125.93	38.14	1
0.28	200.06	84.47	161.54	127.36	38.33	1
0.26	202.22	84.99	163.20	128.80	38.53	1
0.24	204.38	85.52	164.86	130.23	38.73	1
0.22	94.10	86.05	8.05	68.58	-60.54	1
0.20	96.07	86.58	9.49	69.83	-60.34	1
0.18	98.04	87.11	10.93	71.07	-60.14	1
0.16	100.01	87.63	12.37	72.31	-59.94	1
0.14	101.97	88.16	13.81	73.55	-59.74	1
0.12	103.94	88.69	15.25	74.79	-59.54	1

			B115.pso			
0.10	105.90	89.22	16.68	76.02	-59.34	1
0.08	107.86	89.74	18.12	77.26	-59.14	1
0.06	109.82	90.27	19.55	78.49	-58.94	1
0.04	111.78	90.80	20.98	79.72	-58.74	1
0.02	113.73	91.32	22.41	80.95	-58.54	1
0.00	115.69	91.85	23.84	82.18	0.00	1

Time = 365. Degree of Consolidation = 95.0%

Total Settlement = 6.165

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 365. = 5.865

Settlement caused by Secondary Compression at time 365. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.64

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.13	0.71	10.61	1.98	1.98	1
8.21	2.10	0.71	10.61	1.98	1.98	1
8.12	2.08	0.70	10.61	1.98	1.98	1
8.02	2.06	0.69	10.61	1.98	1.98	1
7.93	2.03	0.68	10.61	1.98	1.98	1
7.84	2.01	0.68	10.61	1.98	1.98	1
7.75	1.99	0.67	10.61	1.98	1.98	1
7.66	1.96	0.66	10.61	1.98	1.98	1
7.56	1.94	0.65	10.61	1.98	1.98	1
7.47	1.92	0.64	10.61	1.98	1.98	1
7.38	1.89	0.64	10.61	1.98	1.98	1
7.29	1.87	0.63	10.61	1.98	1.98	1
7.20	1.85	0.62	10.61	1.98	1.98	1
7.10	1.82	0.61	10.61	1.98	1.98	1
7.01	1.80	0.60	10.61	1.98	1.98	1
6.92	1.77	0.60	10.61	1.98	1.98	1
6.83	1.75	0.59	10.61	1.98	1.98	1
6.74	1.73	0.58	10.61	1.98	1.98	1
6.64	1.70	0.57	10.61	1.98	1.98	1
6.55	1.68	0.56	10.61	1.98	1.98	1
6.46	1.66	0.56	10.61	1.98	1.98	1
6.37	1.63	0.55	10.61	1.98	1.98	1
6.28	1.61	0.54	10.61	1.98	1.98	1
6.18	1.59	0.53	10.61	1.98	1.98	1
6.09	1.56	0.52	10.61	1.98	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
5.92	1.52	0.51	10.61	1.98	1.98	1
5.84	1.50	0.50	10.61	1.98	1.98	1
5.76	1.47	0.50	10.61	1.98	1.98	1
5.68	1.45	0.49	10.61	1.98	1.98	1
5.60	1.43	0.48	10.61	1.98	1.98	1

			B115.pso			
5.52	1.41	0.48	10.61	1.98	1.98	1
5.44	1.39	0.47	10.61	1.98	1.98	1
5.36	1.37	0.46	10.61	1.98	1.98	1
5.28	1.35	0.45	10.61	1.98	1.98	1
5.20	1.33	0.45	10.61	1.98	1.98	1
5.12	1.31	0.44	10.61	2.14	2.14	1
5.04	1.29	0.43	10.61	2.13	2.13	1
4.96	1.27	0.43	10.61	2.13	2.13	1
4.88	1.25	0.42	10.61	2.12	2.12	1
4.80	1.22	0.41	10.61	2.12	2.12	1
4.72	1.20	0.41	10.61	2.11	2.11	1
4.64	1.18	0.40	10.61	2.10	2.10	1
4.56	1.16	0.39	10.61	2.10	2.10	1
4.48	1.14	0.39	10.61	2.09	2.09	1
4.40	1.12	0.38	10.61	2.09	2.09	1
4.32	1.10	0.37	10.61	2.08	2.08	1
4.24	1.07	0.37	10.61	2.08	2.08	1
4.16	1.05	0.36	10.61	2.07	2.07	1
4.08	1.03	0.35	10.61	2.07	2.07	1
4.00	1.01	0.34	10.61	2.06	2.06	1
4.00	1.01	0.34	10.61	2.06	2.05	1
3.92	0.99	0.34	10.61	2.05	2.05	1
3.84	0.97	0.33	10.61	2.05	2.04	1
3.76	0.95	0.32	10.61	2.04	2.04	1
3.68	0.93	0.32	10.61	2.04	2.03	1
3.60	0.91	0.31	10.61	2.03	2.03	1
3.52	0.89	0.30	10.61	2.03	2.02	1
3.44	0.86	0.30	10.61	2.02	2.02	1
3.36	0.84	0.29	10.61	2.02	2.01	1
3.28	0.82	0.28	10.61	2.01	2.01	1
3.20	0.80	0.28	10.61	2.00	2.00	1
3.12	0.78	0.27	10.61	2.00	2.00	1
3.04	0.76	0.26	10.61	1.99	1.99	1
2.96	0.74	0.25	10.61	1.99	1.99	1
2.88	0.72	0.25	10.61	1.98	1.98	1
2.80	0.70	0.24	10.61	1.98	1.98	1
2.72	0.68	0.23	10.61	1.97	1.97	1
2.64	0.66	0.23	10.61	1.97	1.97	1
2.56	0.64	0.22	10.61	1.96	1.96	1
2.48	0.62	0.21	10.61	1.96	1.96	1
2.40	0.60	0.21	10.61	1.95	1.95	1
2.32	0.58	0.20	10.61	1.95	1.94	1
2.24	0.56	0.19	10.61	1.95	1.94	1
2.16	0.54	0.19	10.61	1.94	1.93	1
2.08	0.52	0.18	10.61	1.94	1.93	1
2.00	0.50	0.17	10.61	1.93	1.92	1
2.00	0.50	0.17	10.61	1.93	1.92	1
1.92	0.48	0.17	10.61	1.93	1.91	1
1.84	0.46	0.16	10.61	1.92	1.91	1
1.76	0.44	0.15	10.61	1.92	1.90	1
1.68	0.42	0.14	10.61	1.91	1.89	1
1.60	0.40	0.14	10.61	1.91	1.89	1
1.52	0.38	0.13	10.61	1.90	1.88	1
1.44	0.36	0.12	10.61	1.90	1.88	1
1.36	0.34	0.12	10.61	1.90	1.87	1
1.28	0.32	0.11	10.61	1.89	1.87	1
1.20	0.30	0.10	10.61	1.89	1.86	1
1.12	0.28	0.10	10.61	1.88	1.86	1
1.04	0.26	0.09	10.61	1.88	1.86	1
0.96	0.24	0.08	10.61	1.87	1.85	1
0.88	0.22	0.08	10.61	1.87	1.85	1
0.80	0.20	0.07	10.61	1.87	1.84	1
0.72	0.18	0.06	10.61	1.86	1.83	1

0.64	0.16	0.06	B115.pso 10.61	1.86	1.83	1
0.56	0.14	0.05	10.61	1.85	1.82	1
0.48	0.12	0.04	10.61	1.85	1.82	1
0.40	0.10	0.03	10.61	1.85	1.81	1
0.32	0.08	0.03	10.61	1.84	1.81	1
0.24	0.06	0.02	10.61	1.84	1.80	1
0.16	0.04	0.01	10.61	1.83	1.80	1
0.08	0.02	0.01	10.61	1.83	1.79	1
0.00	0.00	0.00	10.61	1.83	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.13	0.00	0.00	0.00	0.00	0.00	1
2.10	1.71	1.71	0.00	0.00	0.00	1
2.08	3.42	3.42	0.00	0.00	0.00	1
2.06	5.14	5.14	0.00	0.00	0.00	1
2.03	6.85	6.85	0.00	0.00	0.00	1
2.01	8.56	8.56	0.00	0.00	0.00	1
1.99	10.27	10.27	0.00	0.00	0.00	1
1.96	11.98	11.98	0.00	0.00	0.00	1
1.94	13.70	13.70	0.00	0.00	0.00	1
1.92	15.41	15.41	0.00	0.00	0.00	1
1.89	17.12	17.12	0.00	0.00	0.00	1
1.87	18.83	18.83	0.00	0.00	0.00	1
1.85	20.54	20.54	0.00	0.00	0.00	1
1.82	22.26	22.26	0.00	0.00	0.00	1
1.80	23.97	23.97	0.00	0.00	0.00	1
1.77	25.68	25.68	0.00	0.00	0.00	1
1.75	27.39	27.39	0.00	0.00	0.00	1
1.73	29.10	29.10	0.00	0.00	0.00	1
1.70	30.82	30.82	0.00	0.00	0.00	1
1.68	32.53	32.53	0.00	0.00	0.00	1
1.66	34.24	34.24	0.00	0.00	0.00	1
1.63	35.95	35.95	0.00	0.00	0.00	1
1.61	37.66	37.66	0.00	0.00	0.00	1
1.59	39.37	39.37	0.00	0.00	0.00	1
1.56	41.09	41.09	0.00	0.00	0.00	1
1.54	42.80	42.80	0.00	0.00	0.00	1
1.54	44.51	44.51	0.00	0.00	0.00	1
1.52	46.52	46.52	0.00	0.00	0.00	1
1.50	48.53	48.53	0.00	0.00	0.00	1
1.47	50.24	50.24	0.00	0.00	0.00	1
1.45	51.96	51.96	0.00	0.00	0.00	1
1.43	53.67	53.67	0.00	0.00	0.00	1
1.41	55.38	55.38	0.00	0.00	0.00	1
1.39	57.09	57.09	0.00	0.00	0.00	1
1.37	58.80	58.80	0.00	0.00	0.00	1
1.35	60.52	60.52	0.00	0.00	0.00	1
1.33	62.23	62.23	0.00	0.00	0.00	1
1.31	87.88	52.94	67.91	51.52	33.52	1
1.29	90.20	54.97	69.97	53.11	32.23	1
1.27	92.52	55.69	72.03	54.71	32.23	1
1.25	94.83	56.42	74.09	56.30	32.23	1
1.22	97.15	57.15	76.15	57.88	32.23	1
1.20	99.46	57.87	78.22	59.46	32.23	1
1.18	101.76	58.60	80.28	61.04	32.23	1
1.16	104.06	59.33	82.35	62.62	32.23	1
1.14	106.36	60.05	84.42	64.19	32.23	1
1.12	108.66	60.78	86.48	65.76	32.23	1
1.10	110.95	61.51	88.55	67.32	32.23	1
1.07	113.24	62.23	90.61	68.88	32.23	1

			B115.pso			
1.05	115.52	62.96	92.68	70.44	32.23	1
1.03	117.80	63.69	94.74	72.00	32.23	1
1.01	120.08	64.46	96.80	73.55	32.18	1
1.01	120.08	23.29	96.80	73.55	32.18	1
0.99	122.36	65.23	98.85	75.10	32.14	1
0.97	124.63	65.99	100.91	76.65	32.10	1
0.95	126.90	66.74	102.96	78.19	32.08	1
0.93	129.17	67.48	105.01	79.73	32.06	1
0.91	131.43	68.21	107.06	81.27	32.06	1
0.89	133.69	68.93	109.10	82.80	32.07	1
0.86	135.95	69.65	111.14	84.33	32.08	1
0.84	138.20	70.35	113.14	85.86	32.10	1
0.82	140.46	71.04	114.91	87.38	32.14	1
0.80	142.70	71.73	116.69	88.91	32.18	1
0.78	144.95	72.41	118.45	90.42	32.23	1
0.76	147.19	73.10	120.22	91.94	32.26	1
0.74	149.43	73.78	121.99	93.45	32.30	1
0.72	151.66	74.46	123.75	94.96	32.35	1
0.70	153.90	75.13	125.51	96.46	32.41	1
0.68	156.13	75.79	127.26	97.97	32.48	1
0.66	158.35	76.44	129.01	99.47	32.55	1
0.64	160.58	77.09	130.76	100.96	32.63	1
0.62	162.80	77.73	132.51	102.46	32.72	1
0.60	165.01	78.36	134.25	103.95	32.82	1
0.58	167.23	78.98	135.99	105.43	32.92	1
0.56	169.44	79.60	137.72	106.92	33.02	1
0.54	171.64	80.22	139.45	108.40	33.14	1
0.52	173.85	80.82	141.17	109.88	33.26	1
0.50	176.05	81.42	142.90	111.35	33.38	1
0.50	176.05	33.15	142.90	111.35	33.38	1
0.48	178.25	82.03	144.61	112.82	33.51	1
0.46	180.44	82.62	146.33	114.29	33.64	1
0.44	182.64	83.21	148.04	115.76	33.77	1
0.42	184.82	83.80	149.74	117.22	33.91	1
0.40	187.01	84.38	151.44	118.68	34.06	1
0.38	189.19	84.96	153.14	120.13	34.21	1
0.36	191.37	85.53	154.83	121.59	34.37	1
0.34	193.55	86.09	156.51	123.04	34.52	1
0.32	195.72	86.66	158.19	124.48	34.69	1
0.30	197.89	87.22	159.87	125.93	34.86	1
0.28	200.06	87.77	161.54	127.36	35.03	1
0.26	202.22	88.32	163.20	128.80	35.20	1
0.24	93.00	88.87	4.13	67.05	-62.92	1
0.22	94.96	89.41	5.55	68.29	-62.74	1
0.20	96.92	89.95	6.97	69.52	-62.55	1
0.18	98.88	90.49	8.39	70.75	-62.36	1
0.16	100.84	91.02	9.81	71.98	-62.17	1
0.14	102.79	91.55	11.24	73.21	-61.97	1
0.12	104.74	92.08	12.66	74.44	-61.77	1
0.10	106.69	92.60	14.09	75.66	-61.57	1
0.08	108.64	93.12	15.52	76.88	-61.36	1
0.06	110.59	93.64	16.95	78.11	-61.16	1
0.04	112.54	94.16	18.38	79.32	-60.94	1
0.02	114.48	94.67	19.81	80.54	-60.73	1
0.00	116.43	95.18	21.24	81.76	0.00	1

Time = 455. Degree of Consolidation = 95.0%

Total Settlement = 6.172

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 455. = 5.872

B115.pso

Settlement caused by Secondary Compression at time 455. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.63

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.13	0.71	10.61	1.98	1.98	1
8.21	2.10	0.71	10.61	1.98	1.98	1
8.12	2.08	0.70	10.61	1.98	1.98	1
8.02	2.06	0.69	10.61	1.98	1.98	1
7.93	2.03	0.68	10.61	1.98	1.98	1
7.84	2.01	0.68	10.61	1.98	1.98	1
7.75	1.99	0.67	10.61	1.98	1.98	1
7.66	1.96	0.66	10.61	1.98	1.98	1
7.56	1.94	0.65	10.61	1.98	1.98	1
7.47	1.91	0.64	10.61	1.98	1.98	1
7.38	1.89	0.64	10.61	1.98	1.98	1
7.29	1.87	0.63	10.61	1.98	1.98	1
7.20	1.84	0.62	10.61	1.98	1.98	1
7.10	1.82	0.61	10.61	1.98	1.98	1
7.01	1.80	0.60	10.61	1.98	1.98	1
6.92	1.77	0.60	10.61	1.98	1.98	1
6.83	1.75	0.59	10.61	1.98	1.98	1
6.74	1.73	0.58	10.61	1.98	1.98	1
6.64	1.70	0.57	10.61	1.98	1.98	1
6.55	1.68	0.56	10.61	1.98	1.98	1
6.46	1.65	0.56	10.61	1.98	1.98	1
6.37	1.63	0.55	10.61	1.98	1.98	1
6.28	1.61	0.54	10.61	1.98	1.98	1
6.18	1.58	0.53	10.61	1.98	1.98	1
6.09	1.56	0.52	10.61	1.98	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
5.92	1.51	0.51	10.61	1.98	1.98	1
5.84	1.49	0.50	10.61	1.98	1.98	1
5.76	1.47	0.50	10.61	1.98	1.98	1
5.68	1.45	0.49	10.61	1.98	1.98	1
5.60	1.43	0.48	10.61	1.98	1.98	1
5.52	1.41	0.48	10.61	1.98	1.98	1
5.44	1.39	0.47	10.61	1.98	1.98	1
5.36	1.37	0.46	10.61	1.98	1.98	1
5.28	1.35	0.45	10.61	1.98	1.98	1
5.20	1.33	0.45	10.61	1.98	1.98	1
5.12	1.31	0.44	10.61	2.14	2.14	1
5.04	1.29	0.43	10.61	2.13	2.13	1
4.96	1.27	0.43	10.61	2.13	2.13	1
4.88	1.24	0.42	10.61	2.12	2.12	1
4.80	1.22	0.41	10.61	2.12	2.12	1
4.72	1.20	0.41	10.61	2.11	2.11	1
4.64	1.18	0.40	10.61	2.10	2.10	1
4.56	1.16	0.39	10.61	2.10	2.10	1
4.48	1.14	0.39	10.61	2.09	2.09	1

			B115.pso			
4.40	1.12	0.38	10.61	2.09	2.09	1
4.32	1.09	0.37	10.61	2.08	2.08	1
4.24	1.07	0.37	10.61	2.08	2.08	1
4.16	1.05	0.36	10.61	2.07	2.07	1
4.08	1.03	0.35	10.61	2.07	2.07	1
4.00	1.01	0.34	10.61	2.06	2.06	1
4.00	1.01	0.34	10.61	2.06	2.05	1
3.92	0.99	0.34	10.61	2.05	2.05	1
3.84	0.97	0.33	10.61	2.05	2.04	1
3.76	0.95	0.32	10.61	2.04	2.04	1
3.68	0.93	0.32	10.61	2.04	2.03	1
3.60	0.91	0.31	10.61	2.03	2.03	1
3.52	0.88	0.30	10.61	2.03	2.02	1
3.44	0.86	0.30	10.61	2.02	2.02	1
3.36	0.84	0.29	10.61	2.02	2.01	1
3.28	0.82	0.28	10.61	2.01	2.01	1
3.20	0.80	0.28	10.61	2.00	2.00	1
3.12	0.78	0.27	10.61	2.00	2.00	1
3.04	0.76	0.26	10.61	1.99	1.99	1
2.96	0.74	0.25	10.61	1.99	1.99	1
2.88	0.72	0.25	10.61	1.98	1.98	1
2.80	0.70	0.24	10.61	1.98	1.98	1
2.72	0.68	0.23	10.61	1.97	1.97	1
2.64	0.66	0.23	10.61	1.97	1.97	1
2.56	0.64	0.22	10.61	1.96	1.96	1
2.48	0.62	0.21	10.61	1.96	1.96	1
2.40	0.60	0.21	10.61	1.95	1.95	1
2.32	0.58	0.20	10.61	1.95	1.94	1
2.24	0.56	0.19	10.61	1.94	1.94	1
2.16	0.53	0.19	10.61	1.94	1.93	1
2.08	0.51	0.18	10.61	1.93	1.93	1
2.00	0.49	0.17	10.61	1.93	1.92	1
2.00	0.49	0.17	10.61	1.93	1.92	1
1.92	0.47	0.17	10.61	1.92	1.91	1
1.84	0.45	0.16	10.61	1.92	1.91	1
1.76	0.43	0.15	10.61	1.91	1.90	1
1.68	0.41	0.14	10.61	1.91	1.89	1
1.60	0.39	0.14	10.61	1.90	1.89	1
1.52	0.37	0.13	10.61	1.90	1.88	1
1.44	0.35	0.12	10.61	1.89	1.88	1
1.36	0.33	0.12	10.61	1.89	1.87	1
1.28	0.31	0.11	10.61	1.89	1.87	1
1.20	0.29	0.10	10.61	1.88	1.86	1
1.12	0.27	0.10	10.61	1.88	1.86	1
1.04	0.25	0.09	10.61	1.87	1.86	1
0.96	0.24	0.08	10.61	1.87	1.85	1
0.88	0.22	0.08	10.61	1.86	1.85	1
0.80	0.20	0.07	10.61	1.86	1.84	1
0.72	0.18	0.06	10.61	1.86	1.83	1
0.64	0.16	0.06	10.61	1.85	1.83	1
0.56	0.14	0.05	10.61	1.85	1.82	1
0.48	0.12	0.04	10.61	1.84	1.82	1
0.40	0.10	0.03	10.61	1.84	1.81	1
0.32	0.08	0.03	10.61	1.83	1.81	1
0.24	0.06	0.02	10.61	1.83	1.80	1
0.16	0.04	0.01	10.61	1.83	1.80	1
0.08	0.02	0.01	10.61	1.82	1.79	1
0.00	0.00	0.00	10.61	1.82	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess Material
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			B115.pso			
2.13	0.00	0.00	0.00	0.00	0.00	1
2.10	1.71	1.71	0.00	0.00	0.00	1
2.08	3.42	3.42	0.00	0.00	0.00	1
2.06	5.14	5.14	0.00	0.00	0.00	1
2.03	6.85	6.85	0.00	0.00	0.00	1
2.01	8.56	8.56	0.00	0.00	0.00	1
1.99	10.27	10.27	0.00	0.00	0.00	1
1.96	11.98	11.98	0.00	0.00	0.00	1
1.94	13.70	13.70	0.00	0.00	0.00	1
1.91	15.41	15.41	0.00	0.00	0.00	1
1.89	17.12	17.12	0.00	0.00	0.00	1
1.87	18.83	18.83	0.00	0.00	0.00	1
1.84	20.54	20.54	0.00	0.00	0.00	1
1.82	22.26	22.26	0.00	0.00	0.00	1
1.80	23.97	23.97	0.00	0.00	0.00	1
1.77	25.68	25.68	0.00	0.00	0.00	1
1.75	27.39	27.39	0.00	0.00	0.00	1
1.73	29.10	29.10	0.00	0.00	0.00	1
1.70	30.82	30.82	0.00	0.00	0.00	1
1.68	32.53	32.53	0.00	0.00	0.00	1
1.65	34.24	34.24	0.00	0.00	0.00	1
1.63	35.95	35.95	0.00	0.00	0.00	1
1.61	37.66	37.66	0.00	0.00	0.00	1
1.58	39.37	39.37	0.00	0.00	0.00	1
1.56	41.09	41.09	0.00	0.00	0.00	1
1.54	42.80	42.80	0.00	0.00	0.00	1
1.54	44.51	44.51	0.00	0.00	0.00	1
1.51	46.52	46.52	0.00	0.00	0.00	1
1.49	48.53	48.53	0.00	0.00	0.00	1
1.47	50.24	50.24	0.00	0.00	0.00	1
1.45	51.96	51.96	0.00	0.00	0.00	1
1.43	53.67	53.67	0.00	0.00	0.00	1
1.41	55.38	55.38	0.00	0.00	0.00	1
1.39	57.09	57.09	0.00	0.00	0.00	1
1.37	58.80	58.80	0.00	0.00	0.00	1
1.35	60.52	60.52	0.00	0.00	0.00	1
1.33	62.23	62.23	0.00	0.00	0.00	1
1.31	87.88	52.94	67.91	51.52	33.52	1
1.29	90.20	54.97	69.97	53.11	32.23	1
1.27	92.52	55.69	72.03	54.71	32.23	1
1.24	94.83	56.42	74.09	56.30	32.23	1
1.22	97.15	57.15	76.15	57.88	32.23	1
1.20	99.46	57.87	78.22	59.46	32.23	1
1.18	101.76	58.60	80.28	61.04	32.23	1
1.16	104.06	59.33	82.35	62.62	32.23	1
1.14	106.36	60.05	84.42	64.19	32.23	1
1.12	108.66	60.78	86.48	65.76	32.23	1
1.09	110.95	61.51	88.55	67.32	32.23	1
1.07	113.24	62.23	90.61	68.88	32.23	1
1.05	115.52	62.96	92.68	70.44	32.23	1
1.03	117.80	63.69	94.74	72.00	32.23	1
1.01	120.08	64.46	96.80	73.55	32.18	1
1.01	120.08	23.29	96.80	73.55	32.18	1
0.99	122.36	65.23	98.85	75.10	32.14	1
0.97	124.63	65.99	100.91	76.65	32.10	1
0.95	126.90	66.74	102.96	78.19	32.08	1
0.93	129.17	67.48	105.01	79.73	32.06	1
0.91	131.43	68.21	107.06	81.27	32.06	1
0.88	133.69	68.93	109.10	82.80	32.07	1
0.86	135.95	69.65	111.14	84.33	32.08	1
0.84	138.20	70.35	113.14	85.86	32.10	1
0.82	140.46	71.04	114.91	87.38	32.14	1
0.80	142.70	71.73	116.69	88.91	32.18	1

			B115.pso			
0.78	144.95	72.41	118.45	90.42	32.23	1
0.76	147.19	73.13	120.22	91.94	32.23	1
0.74	149.43	73.86	121.99	93.45	32.23	1
0.72	151.66	74.58	123.75	94.96	32.23	1
0.70	153.90	75.29	125.51	96.46	32.25	1
0.68	156.13	76.00	127.26	97.97	32.27	1
0.66	158.35	76.69	129.01	99.47	32.30	1
0.64	160.58	77.38	130.76	100.96	32.34	1
0.62	162.80	78.06	132.51	102.46	32.38	1
0.60	165.01	78.73	134.25	103.95	32.44	1
0.58	167.23	79.40	135.99	105.43	32.50	1
0.56	169.44	80.06	137.72	106.92	32.57	1
0.53	171.64	80.71	139.45	108.40	32.65	1
0.51	173.85	81.35	141.17	109.88	32.73	1
0.49	176.05	81.99	142.90	111.35	32.82	1
0.49	176.05	33.15	142.90	111.35	32.82	1
0.47	178.25	82.62	144.61	112.82	32.91	1
0.45	180.44	83.25	146.33	114.29	33.01	1
0.43	182.64	83.87	148.04	115.76	33.11	1
0.41	184.82	84.49	149.74	117.22	33.22	1
0.39	187.01	85.10	151.44	118.68	33.34	1
0.37	189.19	85.70	153.14	120.13	33.46	1
0.35	191.37	86.30	154.83	121.59	33.59	1
0.33	193.55	86.89	156.51	123.04	33.73	1
0.31	195.72	87.48	158.19	124.48	33.87	1
0.29	197.89	88.06	159.87	125.93	34.02	1
0.27	200.06	88.63	161.54	127.36	34.17	1
0.25	92.15	89.20	2.95	65.77	-62.82	1
0.24	94.11	89.76	4.35	67.01	-62.66	1
0.22	96.07	90.32	5.75	68.24	-62.49	1
0.20	98.03	90.87	7.15	69.47	-62.32	1
0.18	99.98	91.42	8.56	70.70	-62.14	1
0.16	101.93	91.96	9.97	71.92	-61.95	1
0.14	103.89	92.50	11.39	73.15	-61.76	1
0.12	105.84	93.03	12.80	74.37	-61.57	1
0.10	107.78	93.56	14.22	75.59	-61.37	1
0.08	109.73	94.09	15.65	76.81	-61.17	1
0.06	111.68	94.60	17.07	78.03	-60.96	1
0.04	113.62	95.12	18.50	79.25	-60.75	1
0.02	115.56	95.63	19.93	80.46	-60.53	1
0.00	117.50	96.14	21.36	81.68	0.00	1

Time = 730. Degree of Consolidation = 95.0%

Total Settlement = 6.173

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 730. = 5.873

Settlement caused by Secondary Compression at time 730. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.63

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.13	0.71	10.61	1.98	1.98	1
8.21	2.10	0.71	10.61	1.98	1.98	1
8.12	2.08	0.70	10.61	1.98	1.98	1
8.02	2.06	0.69	10.61	1.98	1.98	1
7.93	2.03	0.68	10.61	1.98	1.98	1
7.84	2.01	0.68	10.61	1.98	1.98	1
7.75	1.99	0.67	10.61	1.98	1.98	1
7.66	1.96	0.66	10.61	1.98	1.98	1
7.56	1.94	0.65	10.61	1.98	1.98	1
7.47	1.91	0.64	10.61	1.98	1.98	1
7.38	1.89	0.64	10.61	1.98	1.98	1
7.29	1.87	0.63	10.61	1.98	1.98	1
7.20	1.84	0.62	10.61	1.98	1.98	1
7.10	1.82	0.61	10.61	1.98	1.98	1
7.01	1.80	0.60	10.61	1.98	1.98	1
6.92	1.77	0.60	10.61	1.98	1.98	1
6.83	1.75	0.59	10.61	1.98	1.98	1
6.74	1.73	0.58	10.61	1.98	1.98	1
6.64	1.70	0.57	10.61	1.98	1.98	1
6.55	1.68	0.56	10.61	1.98	1.98	1
6.46	1.65	0.56	10.61	1.98	1.98	1
6.37	1.63	0.55	10.61	1.98	1.98	1
6.28	1.61	0.54	10.61	1.98	1.98	1
6.18	1.58	0.53	10.61	1.98	1.98	1
6.09	1.56	0.52	10.61	1.98	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
5.92	1.51	0.51	10.61	1.98	1.98	1
5.84	1.49	0.50	10.61	1.98	1.98	1
5.76	1.47	0.50	10.61	1.98	1.98	1
5.68	1.45	0.49	10.61	1.98	1.98	1
5.60	1.43	0.48	10.61	1.98	1.98	1
5.52	1.41	0.48	10.61	1.98	1.98	1
5.44	1.39	0.47	10.61	1.98	1.98	1
5.36	1.37	0.46	10.61	1.98	1.98	1
5.28	1.35	0.45	10.61	1.98	1.98	1
5.20	1.33	0.45	10.61	1.98	1.98	1
5.12	1.31	0.44	10.61	2.14	2.14	1
5.04	1.29	0.43	10.61	2.13	2.13	1
4.96	1.27	0.43	10.61	2.13	2.13	1
4.88	1.24	0.42	10.61	2.12	2.12	1
4.80	1.22	0.41	10.61	2.12	2.12	1
4.72	1.20	0.41	10.61	2.11	2.11	1
4.64	1.18	0.40	10.61	2.10	2.10	1
4.56	1.16	0.39	10.61	2.10	2.10	1
4.48	1.14	0.39	10.61	2.09	2.09	1
4.40	1.12	0.38	10.61	2.09	2.09	1
4.32	1.09	0.37	10.61	2.08	2.08	1
4.24	1.07	0.37	10.61	2.08	2.08	1
4.16	1.05	0.36	10.61	2.07	2.07	1
4.08	1.03	0.35	10.61	2.07	2.07	1
4.00	1.01	0.34	10.61	2.06	2.06	1
4.00	1.01	0.34	10.61	2.06	2.05	1
3.92	0.99	0.34	10.61	2.05	2.05	1
3.84	0.97	0.33	10.61	2.05	2.04	1
3.76	0.95	0.32	10.61	2.04	2.04	1
3.68	0.93	0.32	10.61	2.04	2.03	1
3.60	0.91	0.31	10.61	2.03	2.03	1
3.52	0.88	0.30	10.61	2.03	2.02	1
3.44	0.86	0.30	10.61	2.02	2.02	1

			B115.pso			
3.36	0.84	0.29	10.61	2.02	2.01	1
3.28	0.82	0.28	10.61	2.01	2.01	1
3.20	0.80	0.28	10.61	2.00	2.00	1
3.12	0.78	0.27	10.61	2.00	2.00	1
3.04	0.76	0.26	10.61	1.99	1.99	1
2.96	0.74	0.25	10.61	1.99	1.99	1
2.88	0.72	0.25	10.61	1.98	1.98	1
2.80	0.70	0.24	10.61	1.98	1.98	1
2.72	0.68	0.23	10.61	1.97	1.97	1
2.64	0.66	0.23	10.61	1.97	1.97	1
2.56	0.64	0.22	10.61	1.96	1.96	1
2.48	0.62	0.21	10.61	1.96	1.96	1
2.40	0.60	0.21	10.61	1.95	1.95	1
2.32	0.58	0.20	10.61	1.95	1.94	1
2.24	0.56	0.19	10.61	1.94	1.94	1
2.16	0.53	0.19	10.61	1.94	1.93	1
2.08	0.51	0.18	10.61	1.93	1.93	1
2.00	0.49	0.17	10.61	1.93	1.92	1
2.00	0.49	0.17	10.61	1.93	1.92	1
1.92	0.47	0.17	10.61	1.92	1.91	1
1.84	0.45	0.16	10.61	1.92	1.91	1
1.76	0.43	0.15	10.61	1.91	1.90	1
1.68	0.41	0.14	10.61	1.91	1.89	1
1.60	0.39	0.14	10.61	1.90	1.89	1
1.52	0.37	0.13	10.61	1.90	1.88	1
1.44	0.35	0.12	10.61	1.89	1.88	1
1.36	0.33	0.12	10.61	1.89	1.87	1
1.28	0.31	0.11	10.61	1.89	1.87	1
1.20	0.29	0.10	10.61	1.88	1.86	1
1.12	0.27	0.10	10.61	1.88	1.86	1
1.04	0.25	0.09	10.61	1.87	1.86	1
0.96	0.24	0.08	10.61	1.87	1.85	1
0.88	0.22	0.08	10.61	1.86	1.85	1
0.80	0.20	0.07	10.61	1.86	1.84	1
0.72	0.18	0.06	10.61	1.86	1.83	1
0.64	0.16	0.06	10.61	1.85	1.83	1
0.56	0.14	0.05	10.61	1.85	1.82	1
0.48	0.12	0.04	10.61	1.84	1.82	1
0.40	0.10	0.03	10.61	1.84	1.81	1
0.32	0.08	0.03	10.61	1.83	1.81	1
0.24	0.06	0.02	10.61	1.83	1.80	1
0.16	0.04	0.01	10.61	1.83	1.80	1
0.08	0.02	0.01	10.61	1.82	1.79	1
0.00	0.00	0.00	10.61	1.82	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.13	0.00	0.00	0.00	0.00	0.00	1
2.10	1.71	1.71	0.00	0.00	0.00	1
2.08	3.42	3.42	0.00	0.00	0.00	1
2.06	5.14	5.14	0.00	0.00	0.00	1
2.03	6.85	6.85	0.00	0.00	0.00	1
2.01	8.56	8.56	0.00	0.00	0.00	1
1.99	10.27	10.27	0.00	0.00	0.00	1
1.96	11.98	11.98	0.00	0.00	0.00	1
1.94	13.70	13.70	0.00	0.00	0.00	1
1.91	15.41	15.41	0.00	0.00	0.00	1
1.89	17.12	17.12	0.00	0.00	0.00	1
1.87	18.83	18.83	0.00	0.00	0.00	1
1.84	20.54	20.54	0.00	0.00	0.00	1
1.82	22.26	22.26	0.00	0.00	0.00	1

			B115.pso				
1.80	23.97	23.97	0.00	0.00	0.00	1	
1.77	25.68	25.68	0.00	0.00	0.00	1	
1.75	27.39	27.39	0.00	0.00	0.00	1	
1.73	29.10	29.10	0.00	0.00	0.00	1	
1.70	30.82	30.82	0.00	0.00	0.00	1	
1.68	32.53	32.53	0.00	0.00	0.00	1	
1.65	34.24	34.24	0.00	0.00	0.00	1	
1.63	35.95	35.95	0.00	0.00	0.00	1	
1.61	37.66	37.66	0.00	0.00	0.00	1	
1.58	39.37	39.37	0.00	0.00	0.00	1	
1.56	41.09	41.09	0.00	0.00	0.00	1	
1.54	42.80	42.80	0.00	0.00	0.00	1	
1.54	44.51	44.51	0.00	0.00	0.00	1	
1.51	46.52	46.52	0.00	0.00	0.00	1	
1.49	48.53	48.53	0.00	0.00	0.00	1	
1.47	50.24	50.24	0.00	0.00	0.00	1	
1.45	51.96	51.96	0.00	0.00	0.00	1	
1.43	53.67	53.67	0.00	0.00	0.00	1	
1.41	55.38	55.38	0.00	0.00	0.00	1	
1.39	57.09	57.09	0.00	0.00	0.00	1	
1.37	58.80	58.80	0.00	0.00	0.00	1	
1.35	60.52	60.52	0.00	0.00	0.00	1	
1.33	62.23	62.23	0.00	0.00	0.00	1	
1.31	87.88	52.94	67.91	51.52	33.52	1	
1.29	90.20	54.97	69.97	53.11	32.23	1	
1.27	92.52	55.69	72.03	54.71	32.23	1	
1.24	94.83	56.42	74.09	56.30	32.23	1	
1.22	97.15	57.15	76.15	57.88	32.23	1	
1.20	99.46	57.87	78.22	59.46	32.23	1	
1.18	101.76	58.60	80.28	61.04	32.23	1	
1.16	104.06	59.33	82.35	62.62	32.23	1	
1.14	106.36	60.05	84.42	64.19	32.23	1	
1.12	108.66	60.78	86.48	65.76	32.23	1	
1.09	110.95	61.51	88.55	67.32	32.23	1	
1.07	113.24	62.23	90.61	68.88	32.23	1	
1.05	115.52	62.96	92.68	70.44	32.23	1	
1.03	117.80	63.69	94.74	72.00	32.23	1	
1.01	120.08	64.46	96.80	73.55	32.18	1	
1.01	120.08	23.29	96.80	73.55	32.18	1	
0.99	122.36	65.23	98.85	75.10	32.14	1	
0.97	124.63	65.99	100.91	76.65	32.10	1	
0.95	126.90	66.74	102.96	78.19	32.08	1	
0.93	129.17	67.48	105.01	79.73	32.06	1	
0.91	131.43	68.21	107.06	81.27	32.06	1	
0.88	133.69	68.93	109.10	82.80	32.07	1	
0.86	135.95	69.65	111.14	84.33	32.08	1	
0.84	138.20	70.35	113.14	85.86	32.10	1	
0.82	140.46	71.04	114.91	87.38	32.14	1	
0.80	142.70	71.73	116.69	88.91	32.18	1	
0.78	144.95	72.41	118.45	90.42	32.23	1	
0.76	147.19	73.13	120.22	91.94	32.23	1	
0.74	149.43	73.86	121.99	93.45	32.23	1	
0.72	151.66	74.58	123.75	94.96	32.23	1	
0.70	153.90	75.29	125.51	96.46	32.25	1	
0.68	156.13	76.00	127.26	97.97	32.27	1	
0.66	158.35	76.69	129.01	99.47	32.30	1	
0.64	160.58	77.38	130.76	100.96	32.34	1	
0.62	162.80	78.06	132.51	102.46	32.38	1	
0.60	165.01	78.74	134.25	103.95	32.44	1	
0.58	167.23	79.40	135.99	105.43	32.50	1	
0.56	169.44	80.06	137.72	106.92	32.57	1	
0.53	171.64	80.71	139.45	108.40	32.64	1	
0.51	173.85	81.35	141.17	109.88	32.73	1	

			B115.pso			
0.49	176.05	81.99	142.90	111.35	32.82	1
0.49	176.05	33.15	142.90	111.35	32.82	1
0.47	178.25	82.62	144.61	112.82	32.91	1
0.45	180.44	83.25	146.33	114.29	33.01	1
0.43	182.64	83.88	148.04	115.76	33.11	1
0.41	184.82	84.49	149.74	117.22	33.22	1
0.39	187.01	85.10	151.44	118.68	33.34	1
0.37	189.19	85.71	153.14	120.13	33.46	1
0.35	191.37	86.30	154.83	121.59	33.59	1
0.33	193.55	86.89	156.51	123.04	33.73	1
0.31	195.72	87.48	158.19	124.48	33.87	1
0.29	197.89	88.06	159.87	125.93	34.01	1
0.27	91.34	88.63	2.71	64.54	-61.83	1
0.25	93.31	89.20	4.10	65.77	-61.67	1
0.24	95.27	89.77	5.50	67.01	-61.51	1
0.22	97.23	90.32	6.90	68.24	-61.34	1
0.20	99.18	90.88	8.31	69.47	-61.16	1
0.18	101.14	91.42	9.71	70.70	-60.98	1
0.16	103.09	91.97	11.12	71.92	-60.80	1
0.14	105.04	92.50	12.54	73.15	-60.61	1
0.12	106.99	93.04	13.96	74.37	-60.42	1
0.10	108.94	93.57	15.38	75.59	-60.22	1
0.08	110.89	94.09	16.80	76.81	-60.02	1
0.06	112.83	94.61	18.22	78.03	-59.81	1
0.04	114.78	95.12	19.65	79.25	-59.60	1
0.02	116.72	95.63	21.08	80.46	-59.38	1
0.00	118.66	96.14	22.52	81.68	0.00	1

Time = 1095. Degree of Consolidation = 95.0%

Total Settlement = 6.173

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 1095. = 5.873

Settlement caused by Secondary Compression at time 1095. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.63

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eop	Material
8.30	2.13	0.71	10.61	1.98	1.98	1
8.21	2.10	0.71	10.61	1.98	1.98	1
8.12	2.08	0.70	10.61	1.98	1.98	1
8.02	2.06	0.69	10.61	1.98	1.98	1
7.93	2.03	0.68	10.61	1.98	1.98	1
7.84	2.01	0.68	10.61	1.98	1.98	1
7.75	1.99	0.67	10.61	1.98	1.98	1
7.66	1.96	0.66	10.61	1.98	1.98	1
7.56	1.94	0.65	10.61	1.98	1.98	1
7.47	1.91	0.64	10.61	1.98	1.98	1
7.38	1.89	0.64	10.61	1.98	1.98	1

			B115.pso			
7.29	1.87	0.63	10.61	1.98	1.98	1
7.20	1.84	0.62	10.61	1.98	1.98	1
7.10	1.82	0.61	10.61	1.98	1.98	1
7.01	1.80	0.60	10.61	1.98	1.98	1
6.92	1.77	0.60	10.61	1.98	1.98	1
6.83	1.75	0.59	10.61	1.98	1.98	1
6.74	1.73	0.58	10.61	1.98	1.98	1
6.64	1.70	0.57	10.61	1.98	1.98	1
6.55	1.68	0.56	10.61	1.98	1.98	1
6.46	1.65	0.56	10.61	1.98	1.98	1
6.37	1.63	0.55	10.61	1.98	1.98	1
6.28	1.61	0.54	10.61	1.98	1.98	1
6.18	1.58	0.53	10.61	1.98	1.98	1
6.09	1.56	0.52	10.61	1.98	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
5.92	1.51	0.51	10.61	1.98	1.98	1
5.84	1.49	0.50	10.61	1.98	1.98	1
5.76	1.47	0.50	10.61	1.98	1.98	1
5.68	1.45	0.49	10.61	1.98	1.98	1
5.60	1.43	0.48	10.61	1.98	1.98	1
5.52	1.41	0.48	10.61	1.98	1.98	1
5.44	1.39	0.47	10.61	1.98	1.98	1
5.36	1.37	0.46	10.61	1.98	1.98	1
5.28	1.35	0.45	10.61	1.98	1.98	1
5.20	1.33	0.45	10.61	1.98	1.98	1
5.12	1.31	0.44	10.61	2.14	2.14	1
5.04	1.29	0.43	10.61	2.13	2.13	1
4.96	1.27	0.43	10.61	2.13	2.13	1
4.88	1.24	0.42	10.61	2.12	2.12	1
4.80	1.22	0.41	10.61	2.12	2.12	1
4.72	1.20	0.41	10.61	2.11	2.11	1
4.64	1.18	0.40	10.61	2.10	2.10	1
4.56	1.16	0.39	10.61	2.10	2.10	1
4.48	1.14	0.39	10.61	2.09	2.09	1
4.40	1.12	0.38	10.61	2.09	2.09	1
4.32	1.09	0.37	10.61	2.08	2.08	1
4.24	1.07	0.37	10.61	2.08	2.08	1
4.16	1.05	0.36	10.61	2.07	2.07	1
4.08	1.03	0.35	10.61	2.07	2.07	1
4.00	1.01	0.34	10.61	2.06	2.06	1
4.00	1.01	0.34	10.61	2.06	2.05	1
3.92	0.99	0.34	10.61	2.05	2.05	1
3.84	0.97	0.33	10.61	2.05	2.04	1
3.76	0.95	0.32	10.61	2.04	2.04	1
3.68	0.93	0.32	10.61	2.04	2.03	1
3.60	0.91	0.31	10.61	2.03	2.03	1
3.52	0.88	0.30	10.61	2.03	2.02	1
3.44	0.86	0.30	10.61	2.02	2.02	1
3.36	0.84	0.29	10.61	2.02	2.01	1
3.28	0.82	0.28	10.61	2.01	2.01	1
3.20	0.80	0.28	10.61	2.00	2.00	1
3.12	0.78	0.27	10.61	2.00	2.00	1
3.04	0.76	0.26	10.61	1.99	1.99	1
2.96	0.74	0.25	10.61	1.99	1.99	1
2.88	0.72	0.25	10.61	1.98	1.98	1
2.80	0.70	0.24	10.61	1.98	1.98	1
2.72	0.68	0.23	10.61	1.97	1.97	1
2.64	0.66	0.23	10.61	1.97	1.97	1
2.56	0.64	0.22	10.61	1.96	1.96	1
2.48	0.62	0.21	10.61	1.96	1.96	1
2.40	0.60	0.21	10.61	1.95	1.95	1
2.32	0.58	0.20	10.61	1.95	1.94	1

			B115.pso			
2.24	0.56	0.19	10.61	1.94	1.94	1
2.16	0.53	0.19	10.61	1.94	1.93	1
2.08	0.51	0.18	10.61	1.93	1.93	1
2.00	0.49	0.17	10.61	1.93	1.92	1
2.00	0.49	0.17	10.61	1.93	1.92	1
1.92	0.47	0.17	10.61	1.92	1.91	1
1.84	0.45	0.16	10.61	1.92	1.91	1
1.76	0.43	0.15	10.61	1.91	1.90	1
1.68	0.41	0.14	10.61	1.91	1.89	1
1.60	0.39	0.14	10.61	1.90	1.89	1
1.52	0.37	0.13	10.61	1.90	1.88	1
1.44	0.35	0.12	10.61	1.89	1.88	1
1.36	0.33	0.12	10.61	1.89	1.87	1
1.28	0.31	0.11	10.61	1.89	1.87	1
1.20	0.29	0.10	10.61	1.88	1.86	1
1.12	0.27	0.10	10.61	1.88	1.86	1
1.04	0.25	0.09	10.61	1.87	1.86	1
0.96	0.24	0.08	10.61	1.87	1.85	1
0.88	0.22	0.08	10.61	1.86	1.85	1
0.80	0.20	0.07	10.61	1.86	1.84	1
0.72	0.18	0.06	10.61	1.86	1.83	1
0.64	0.16	0.06	10.61	1.85	1.83	1
0.56	0.14	0.05	10.61	1.85	1.82	1
0.48	0.12	0.04	10.61	1.84	1.82	1
0.40	0.10	0.03	10.61	1.84	1.81	1
0.32	0.08	0.03	10.61	1.83	1.81	1
0.24	0.06	0.02	10.61	1.83	1.80	1
0.16	0.04	0.01	10.61	1.83	1.80	1
0.08	0.02	0.01	10.61	1.82	1.79	1
0.00	0.00	0.00	10.61	1.82	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.13	0.00	0.00	0.00	0.00	0.00	1
2.10	1.71	1.71	0.00	0.00	0.00	1
2.08	3.42	3.42	0.00	0.00	0.00	1
2.06	5.14	5.14	0.00	0.00	0.00	1
2.03	6.85	6.85	0.00	0.00	0.00	1
2.01	8.56	8.56	0.00	0.00	0.00	1
1.99	10.27	10.27	0.00	0.00	0.00	1
1.96	11.98	11.98	0.00	0.00	0.00	1
1.94	13.70	13.70	0.00	0.00	0.00	1
1.91	15.41	15.41	0.00	0.00	0.00	1
1.89	17.12	17.12	0.00	0.00	0.00	1
1.87	18.83	18.83	0.00	0.00	0.00	1
1.84	20.54	20.54	0.00	0.00	0.00	1
1.82	22.26	22.26	0.00	0.00	0.00	1
1.80	23.97	23.97	0.00	0.00	0.00	1
1.77	25.68	25.68	0.00	0.00	0.00	1
1.75	27.39	27.39	0.00	0.00	0.00	1
1.73	29.10	29.10	0.00	0.00	0.00	1
1.70	30.82	30.82	0.00	0.00	0.00	1
1.68	32.53	32.53	0.00	0.00	0.00	1
1.65	34.24	34.24	0.00	0.00	0.00	1
1.63	35.95	35.95	0.00	0.00	0.00	1
1.61	37.66	37.66	0.00	0.00	0.00	1
1.58	39.37	39.37	0.00	0.00	0.00	1
1.56	41.09	41.09	0.00	0.00	0.00	1
1.54	42.80	42.80	0.00	0.00	0.00	1
1.54	44.51	44.51	0.00	0.00	0.00	1
1.51	46.52	46.52	0.00	0.00	0.00	1

			B115.pso				
1.49	48.53	48.53	0.00	0.00	0.00	1	
1.47	50.24	50.24	0.00	0.00	0.00	1	
1.45	51.96	51.96	0.00	0.00	0.00	1	
1.43	53.67	53.67	0.00	0.00	0.00	1	
1.41	55.38	55.38	0.00	0.00	0.00	1	
1.39	57.09	57.09	0.00	0.00	0.00	1	
1.37	58.80	58.80	0.00	0.00	0.00	1	
1.35	60.52	60.52	0.00	0.00	0.00	1	
1.33	62.23	62.23	0.00	0.00	0.00	1	
1.31	87.88	52.94	67.91	51.52	33.52	1	
1.29	90.20	54.97	69.97	53.11	32.23	1	
1.27	92.52	55.69	72.03	54.71	32.23	1	
1.24	94.83	56.42	74.09	56.30	32.23	1	
1.22	97.15	57.15	76.15	57.88	32.23	1	
1.20	99.46	57.87	78.22	59.46	32.23	1	
1.18	101.76	58.60	80.28	61.04	32.23	1	
1.16	104.06	59.33	82.35	62.62	32.23	1	
1.14	106.36	60.05	84.42	64.19	32.23	1	
1.12	108.66	60.78	86.48	65.76	32.23	1	
1.09	110.95	61.51	88.55	67.32	32.23	1	
1.07	113.24	62.23	90.61	68.88	32.23	1	
1.05	115.52	62.96	92.68	70.44	32.23	1	
1.03	117.80	63.69	94.74	72.00	32.23	1	
1.01	120.08	64.46	96.80	73.55	32.18	1	
1.01	120.08	23.29	96.80	73.55	32.18	1	
0.99	122.36	65.23	98.85	75.10	32.14	1	
0.97	124.63	65.99	100.91	76.65	32.10	1	
0.95	126.90	66.74	102.96	78.19	32.08	1	
0.93	129.17	67.48	105.01	79.73	32.06	1	
0.91	131.43	68.21	107.06	81.27	32.06	1	
0.88	133.69	68.93	109.10	82.80	32.07	1	
0.86	135.95	69.65	111.14	84.33	32.08	1	
0.84	138.20	70.35	113.14	85.86	32.10	1	
0.82	140.46	71.04	114.91	87.38	32.14	1	
0.80	142.70	71.73	116.69	88.91	32.18	1	
0.78	144.95	72.41	118.45	90.42	32.23	1	
0.76	147.19	73.13	120.22	91.94	32.23	1	
0.74	149.43	73.86	121.99	93.45	32.23	1	
0.72	151.66	74.58	123.75	94.96	32.23	1	
0.70	153.90	75.29	125.51	96.46	32.25	1	
0.68	156.13	76.00	127.26	97.97	32.27	1	
0.66	158.35	76.69	129.01	99.47	32.30	1	
0.64	160.58	77.38	130.76	100.96	32.34	1	
0.62	162.80	78.06	132.51	102.46	32.38	1	
0.60	165.01	78.74	134.25	103.95	32.44	1	
0.58	167.23	79.40	135.99	105.43	32.50	1	
0.56	169.44	80.06	137.72	106.92	32.57	1	
0.53	171.64	80.71	139.45	108.40	32.64	1	
0.51	173.85	81.35	141.17	109.88	32.73	1	
0.49	176.05	81.99	142.90	111.35	32.82	1	
0.49	176.05	33.15	142.90	111.35	32.82	1	
0.47	178.25	82.62	144.61	112.82	32.91	1	
0.45	180.44	83.25	146.33	114.29	33.01	1	
0.43	182.64	83.88	148.04	115.76	33.11	1	
0.41	184.82	84.49	149.74	117.22	33.22	1	
0.39	187.01	85.10	151.44	118.68	33.34	1	
0.37	189.19	85.71	153.14	120.13	33.46	1	
0.35	191.37	86.30	154.83	121.59	33.59	1	
0.33	193.55	86.89	156.51	123.04	33.73	1	
0.31	195.72	87.48	158.19	124.48	33.87	1	
0.29	90.54	88.06	2.48	63.30	-60.82	1	
0.27	92.50	88.63	3.87	64.54	-60.67	1	
0.25	94.46	89.20	5.26	65.77	-60.51	1	

			B115.pso			
0.24	96.42	89.77	6.66	67.01	-60.35	1
0.22	98.38	90.32	8.06	68.24	-60.18	1
0.20	100.34	90.88	9.46	69.47	-60.01	1
0.18	102.29	91.42	10.87	70.70	-59.83	1
0.16	104.25	91.97	12.28	71.92	-59.64	1
0.14	106.20	92.50	13.70	73.15	-59.45	1
0.12	108.15	93.04	15.11	74.37	-59.26	1
0.10	110.10	93.57	16.53	75.59	-59.06	1
0.08	112.04	94.09	17.96	76.81	-58.86	1
0.06	113.99	94.61	19.38	78.03	-58.65	1
0.04	115.93	95.12	20.81	79.25	-58.44	1
0.02	117.87	95.63	22.24	80.46	-58.22	1
0.00	119.81	96.14	23.67	81.68	0.00	1

Time = 1825. Degree of Consolidation = 95.0%

Total Settlement = 6.173

Settlement at End of Primary Consolidation = 6.178

Settlement caused by Primary Consolidation at time 1825. = 5.873

Settlement caused by Secondary Compression at time 1825. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 0.63

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
8.30	2.13	0.71	10.61	1.98	1.98	1
8.21	2.10	0.71	10.61	1.98	1.98	1
8.12	2.08	0.70	10.61	1.98	1.98	1
8.02	2.06	0.69	10.61	1.98	1.98	1
7.93	2.03	0.68	10.61	1.98	1.98	1
7.84	2.01	0.68	10.61	1.98	1.98	1
7.75	1.99	0.67	10.61	1.98	1.98	1
7.66	1.96	0.66	10.61	1.98	1.98	1
7.56	1.94	0.65	10.61	1.98	1.98	1
7.47	1.91	0.64	10.61	1.98	1.98	1
7.38	1.89	0.64	10.61	1.98	1.98	1
7.29	1.87	0.63	10.61	1.98	1.98	1
7.20	1.84	0.62	10.61	1.98	1.98	1
7.10	1.82	0.61	10.61	1.98	1.98	1
7.01	1.80	0.60	10.61	1.98	1.98	1
6.92	1.77	0.60	10.61	1.98	1.98	1
6.83	1.75	0.59	10.61	1.98	1.98	1
6.74	1.73	0.58	10.61	1.98	1.98	1
6.64	1.70	0.57	10.61	1.98	1.98	1
6.55	1.68	0.56	10.61	1.98	1.98	1
6.46	1.65	0.56	10.61	1.98	1.98	1
6.37	1.63	0.55	10.61	1.98	1.98	1
6.28	1.61	0.54	10.61	1.98	1.98	1
6.18	1.58	0.53	10.61	1.98	1.98	1
6.09	1.56	0.52	10.61	1.98	1.98	1

			B115.pso			
6.00	1.54	0.52	10.61	2.28	1.98	1
6.00	1.54	0.52	10.61	2.28	1.98	1
5.92	1.51	0.51	10.61	1.98	1.98	1
5.84	1.49	0.50	10.61	1.98	1.98	1
5.76	1.47	0.50	10.61	1.98	1.98	1
5.68	1.45	0.49	10.61	1.98	1.98	1
5.60	1.43	0.48	10.61	1.98	1.98	1
5.52	1.41	0.48	10.61	1.98	1.98	1
5.44	1.39	0.47	10.61	1.98	1.98	1
5.36	1.37	0.46	10.61	1.98	1.98	1
5.28	1.35	0.45	10.61	1.98	1.98	1
5.20	1.33	0.45	10.61	1.98	1.98	1
5.12	1.31	0.44	10.61	2.14	2.14	1
5.04	1.29	0.43	10.61	2.13	2.13	1
4.96	1.27	0.43	10.61	2.13	2.13	1
4.88	1.24	0.42	10.61	2.12	2.12	1
4.80	1.22	0.41	10.61	2.12	2.12	1
4.72	1.20	0.41	10.61	2.11	2.11	1
4.64	1.18	0.40	10.61	2.10	2.10	1
4.56	1.16	0.39	10.61	2.10	2.10	1
4.48	1.14	0.39	10.61	2.09	2.09	1
4.40	1.12	0.38	10.61	2.09	2.09	1
4.32	1.09	0.37	10.61	2.08	2.08	1
4.24	1.07	0.37	10.61	2.08	2.08	1
4.16	1.05	0.36	10.61	2.07	2.07	1
4.08	1.03	0.35	10.61	2.07	2.07	1
4.00	1.01	0.34	10.61	2.06	2.06	1
4.00	1.01	0.34	10.61	2.06	2.05	1
3.92	0.99	0.34	10.61	2.05	2.05	1
3.84	0.97	0.33	10.61	2.05	2.04	1
3.76	0.95	0.32	10.61	2.04	2.04	1
3.68	0.93	0.32	10.61	2.04	2.03	1
3.60	0.91	0.31	10.61	2.03	2.03	1
3.52	0.88	0.30	10.61	2.03	2.02	1
3.44	0.86	0.30	10.61	2.02	2.02	1
3.36	0.84	0.29	10.61	2.02	2.01	1
3.28	0.82	0.28	10.61	2.01	2.01	1
3.20	0.80	0.28	10.61	2.00	2.00	1
3.12	0.78	0.27	10.61	2.00	2.00	1
3.04	0.76	0.26	10.61	1.99	1.99	1
2.96	0.74	0.25	10.61	1.99	1.99	1
2.88	0.72	0.25	10.61	1.98	1.98	1
2.80	0.70	0.24	10.61	1.98	1.98	1
2.72	0.68	0.23	10.61	1.97	1.97	1
2.64	0.66	0.23	10.61	1.97	1.97	1
2.56	0.64	0.22	10.61	1.96	1.96	1
2.48	0.62	0.21	10.61	1.96	1.96	1
2.40	0.60	0.21	10.61	1.95	1.95	1
2.32	0.58	0.20	10.61	1.95	1.94	1
2.24	0.56	0.19	10.61	1.94	1.94	1
2.16	0.53	0.19	10.61	1.94	1.93	1
2.08	0.51	0.18	10.61	1.93	1.93	1
2.00	0.49	0.17	10.61	1.93	1.92	1
2.00	0.49	0.17	10.61	1.93	1.92	1
1.92	0.47	0.17	10.61	1.92	1.91	1
1.84	0.45	0.16	10.61	1.92	1.91	1
1.76	0.43	0.15	10.61	1.91	1.90	1
1.68	0.41	0.14	10.61	1.91	1.89	1
1.60	0.39	0.14	10.61	1.90	1.89	1
1.52	0.37	0.13	10.61	1.90	1.88	1
1.44	0.35	0.12	10.61	1.89	1.88	1
1.36	0.33	0.12	10.61	1.89	1.87	1
1.28	0.31	0.11	10.61	1.89	1.87	1

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1.20	0.29	0.10	10.61	1.88	1.86	1
1.12	0.27	0.10	10.61	1.88	1.86	1
1.04	0.25	0.09	10.61	1.87	1.86	1
0.96	0.24	0.08	10.61	1.87	1.85	1
0.88	0.22	0.08	10.61	1.86	1.85	1
0.80	0.20	0.07	10.61	1.86	1.84	1
0.72	0.18	0.06	10.61	1.86	1.83	1
0.64	0.16	0.06	10.61	1.85	1.83	1
0.56	0.14	0.05	10.61	1.85	1.82	1
0.48	0.12	0.04	10.61	1.84	1.82	1
0.40	0.10	0.03	10.61	1.84	1.81	1
0.32	0.08	0.03	10.61	1.83	1.81	1
0.24	0.06	0.02	10.61	1.83	1.80	1
0.16	0.04	0.01	10.61	1.83	1.80	1
0.08	0.02	0.01	10.61	1.82	1.79	1
0.00	0.00	0.00	10.61	1.82	1.79	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.13	0.00	0.00	0.00	0.00	0.00	1
2.10	1.71	1.71	0.00	0.00	0.00	1
2.08	3.42	3.42	0.00	0.00	0.00	1
2.06	5.14	5.14	0.00	0.00	0.00	1
2.03	6.85	6.85	0.00	0.00	0.00	1
2.01	8.56	8.56	0.00	0.00	0.00	1
1.99	10.27	10.27	0.00	0.00	0.00	1
1.96	11.98	11.98	0.00	0.00	0.00	1
1.94	13.70	13.70	0.00	0.00	0.00	1
1.91	15.41	15.41	0.00	0.00	0.00	1
1.89	17.12	17.12	0.00	0.00	0.00	1
1.87	18.83	18.83	0.00	0.00	0.00	1
1.84	20.54	20.54	0.00	0.00	0.00	1
1.82	22.26	22.26	0.00	0.00	0.00	1
1.80	23.97	23.97	0.00	0.00	0.00	1
1.77	25.68	25.68	0.00	0.00	0.00	1
1.75	27.39	27.39	0.00	0.00	0.00	1
1.73	29.10	29.10	0.00	0.00	0.00	1
1.70	30.82	30.82	0.00	0.00	0.00	1
1.68	32.53	32.53	0.00	0.00	0.00	1
1.65	34.24	34.24	0.00	0.00	0.00	1
1.63	35.95	35.95	0.00	0.00	0.00	1
1.61	37.66	37.66	0.00	0.00	0.00	1
1.58	39.37	39.37	0.00	0.00	0.00	1
1.56	41.09	41.09	0.00	0.00	0.00	1
1.54	42.80	42.80	0.00	0.00	0.00	1
1.54	44.51	44.51	0.00	0.00	0.00	1
1.51	46.52	46.52	0.00	0.00	0.00	1
1.49	48.53	48.53	0.00	0.00	0.00	1
1.47	50.24	50.24	0.00	0.00	0.00	1
1.45	51.96	51.96	0.00	0.00	0.00	1
1.43	53.67	53.67	0.00	0.00	0.00	1
1.41	55.38	55.38	0.00	0.00	0.00	1
1.39	57.09	57.09	0.00	0.00	0.00	1
1.37	58.80	58.80	0.00	0.00	0.00	1
1.35	60.52	60.52	0.00	0.00	0.00	1
1.33	62.23	62.23	0.00	0.00	0.00	1
1.31	87.88	52.94	67.91	51.52	33.52	1
1.29	90.20	54.97	69.97	53.11	32.23	1
1.27	92.52	55.69	72.03	54.71	32.23	1
1.24	94.83	56.42	74.09	56.30	32.23	1
1.22	97.15	57.15	76.15	57.88	32.23	1

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1.20	99.46	57.87	78.22	59.46	32.23	1
1.18	101.76	58.60	80.28	61.04	32.23	1
1.16	104.06	59.33	82.35	62.62	32.23	1
1.14	106.36	60.05	84.42	64.19	32.23	1
1.12	108.66	60.78	86.48	65.76	32.23	1
1.09	110.95	61.51	88.55	67.32	32.23	1
1.07	113.24	62.23	90.61	68.88	32.23	1
1.05	115.52	62.96	92.68	70.44	32.23	1
1.03	117.80	63.69	94.74	72.00	32.23	1
1.01	120.08	64.46	96.80	73.55	32.18	1
1.01	120.08	23.29	96.80	73.55	32.18	1
0.99	122.36	65.23	98.85	75.10	32.14	1
0.97	124.63	65.99	100.91	76.65	32.10	1
0.95	126.90	66.74	102.96	78.19	32.08	1
0.93	129.17	67.48	105.01	79.73	32.06	1
0.91	131.43	68.21	107.06	81.27	32.06	1
0.88	133.69	68.93	109.10	82.80	32.07	1
0.86	135.95	69.65	111.14	84.33	32.08	1
0.84	138.20	70.35	113.14	85.86	32.10	1
0.82	140.46	71.04	114.91	87.38	32.14	1
0.80	142.70	71.73	116.69	88.91	32.18	1
0.78	144.95	72.41	118.45	90.42	32.23	1
0.76	147.19	73.13	120.22	91.94	32.23	1
0.74	149.43	73.86	121.99	93.45	32.23	1
0.72	151.66	74.58	123.75	94.96	32.23	1
0.70	153.90	75.29	125.51	96.46	32.25	1
0.68	156.13	76.00	127.26	97.97	32.27	1
0.66	158.35	76.69	129.01	99.47	32.30	1
0.64	160.58	77.38	130.76	100.96	32.34	1
0.62	162.80	78.06	132.51	102.46	32.38	1
0.60	165.01	78.74	134.25	103.95	32.44	1
0.58	167.23	79.40	135.99	105.43	32.50	1
0.56	169.44	80.06	137.72	106.92	32.57	1
0.53	171.64	80.71	139.45	108.40	32.64	1
0.51	173.85	81.35	141.17	109.88	32.73	1
0.49	176.05	81.99	142.90	111.35	32.82	1
0.49	176.05	33.15	142.90	111.35	32.82	1
0.47	178.25	82.62	144.61	112.82	32.91	1
0.45	180.44	83.25	146.33	114.29	33.01	1
0.43	182.64	83.88	148.04	115.76	33.11	1
0.41	184.82	84.49	149.74	117.22	33.22	1
0.39	187.01	85.10	151.44	118.68	33.34	1
0.37	189.19	85.71	153.14	120.13	33.46	1
0.35	191.37	86.30	154.83	121.59	33.59	1
0.33	193.55	86.89	156.51	123.04	33.73	1
0.31	89.73	87.48	2.25	62.06	-59.81	1
0.29	91.69	88.06	3.63	63.30	-59.67	1
0.27	93.66	88.63	5.02	64.54	-59.51	1
0.25	95.62	89.20	6.42	65.77	-59.36	1
0.24	97.58	89.77	7.81	67.01	-59.19	1
0.22	99.54	90.32	9.22	68.24	-59.02	1
0.20	101.50	90.88	10.62	69.47	-58.85	1
0.18	103.45	91.42	12.03	70.70	-58.67	1
0.16	105.40	91.97	13.44	71.92	-58.49	1
0.14	107.36	92.50	14.85	73.15	-58.30	1
0.12	109.31	93.04	16.27	74.37	-58.10	1
0.10	111.25	93.57	17.69	75.59	-57.91	1
0.08	113.20	94.09	19.11	76.81	-57.70	1
0.06	115.15	94.61	20.54	78.03	-57.49	1
0.04	117.09	95.12	21.97	79.25	-57.28	1
0.02	119.03	95.63	23.40	80.46	-57.07	1
0.00	120.97	96.14	24.83	81.68	0.00	1

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Time = 3650. Degree of Consolidation = 95.%
Total Settlement = 6.173
Settlement at End of Primary Consolidation = 6.178
Settlement caused by Primary Consolidation at time 3650. = 5.873
Settlement caused by Secondary Compression at time 3650. = 0.000
Settlement Due to Desiccation = 0.300
Surface Elevation = 0.63

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B123 Cell 1 Marsh Calcs EI +1.5 feet.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.049647
Loading Stress XX [ksf]	-0.0081181	0.0386166
Loading Stress YY [ksf]	-0.00880037	0.0381064
Effective Stress ZZ [ksf]	-2.00461e-018	1.438
Effective Stress XX [ksf]	-0.0081181	1.46954
Effective Stress YY [ksf]	-0.00880037	1.46954
Total Stress ZZ [ksf]	0	3.35964
Total Stress XX [ksf]	-0.0081181	3.39118
Total Stress YY [ksf]	-0.00880037	3.39118
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.92164
Excess Pore Water Pressure [ksf]	0	0.049647
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.63404
Total Consolidation Settlement [in]	0	2.63404
Virgin Consolidation Settlement [in]	0	0.979059
Recompression Consolidation Settlement [in]	0	1.65498
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.141102
Loading Stress XX [ksf]	-0.0230725	0.109753
Loading Stress YY [ksf]	-0.0250116	0.108303
Effective Stress ZZ [ksf]	-4.68875e-011	1.50133
Effective Stress XX [ksf]	-0.0230725	1.57729
Effective Stress YY [ksf]	-0.0250116	1.57729
Total Stress ZZ [ksf]	0	3.45108
Total Stress XX [ksf]	-0.0230725	3.52703
Total Stress YY [ksf]	-0.0250116	3.52703
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1307.19
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1307.19
Total Strain	-6.10157e-009	0.467539
Pore Water Pressure [ksf]	-4.13764e-005	1.94974
Excess Pore Water Pressure [ksf]	0	0.141102
Degree of Consolidation [%]	0	43.6749
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0045474

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.80287
Total Consolidation Settlement [in]	0	4.80287
Virgin Consolidation Settlement [in]	0	2.22885
Recompression Consolidation Settlement [in]	0	2.57402
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.229944
Loading Stress XX [ksf]	-0.0375996	0.178856
Loading Stress YY [ksf]	-0.0407596	0.176493
Effective Stress ZZ [ksf]	-5.9216e-011	1.60404
Effective Stress XX [ksf]	-0.0375996	1.72518
Effective Stress YY [ksf]	-0.0407596	1.72518
Total Stress ZZ [ksf]	0	3.53991
Total Stress XX [ksf]	-0.0375996	3.66104
Total Stress YY [ksf]	-0.0407596	3.66104
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	894.752
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	894.752
Total Strain	-4.0966e-008	0.607179
Pore Water Pressure [ksf]	-9.83388e-005	1.93586
Excess Pore Water Pressure [ksf]	0	0.229931
Degree of Consolidation [%]	0	62.608
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0120387

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.68237
Total Consolidation Settlement [in]	0	6.68237
Virgin Consolidation Settlement [in]	0	3.67345
Recompression Consolidation Settlement [in]	0	3.00892
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2613
Loading Stress XX [ksf]	-0.0427268	0.203245
Loading Stress YY [ksf]	-0.0463177	0.20056
Effective Stress ZZ [ksf]	-6.19726e-011	1.70265
Effective Stress XX [ksf]	-0.0427268	1.83393
Effective Stress YY [ksf]	-0.0463177	1.83393
Total Stress ZZ [ksf]	0	3.57126
Total Stress XX [ksf]	-0.0427268	3.70253
Total Stress YY [ksf]	-0.0463177	3.70253
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	643.357
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	643.357
Total Strain	-1.56419e-007	0.666645
Pore Water Pressure [ksf]	-0.000149367	1.87213
Excess Pore Water Pressure [ksf]	0	0.261204
Degree of Consolidation [%]	0	85.5517
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0157551

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.92931
Total Consolidation Settlement [in]	0	6.92931
Virgin Consolidation Settlement [in]	0	3.8819
Recompression Consolidation Settlement [in]	0	3.04742
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.313
Loading Stress XX [ksf]	-0.0554549	0.240999
Loading Stress YY [ksf]	-0.0613275	0.235877
Effective Stress ZZ [ksf]	-1.90331e-011	1.73529
Effective Stress XX [ksf]	-0.0554549	1.90083
Effective Stress YY [ksf]	-0.0613275	1.89869
Total Stress ZZ [ksf]	0	3.62296
Total Stress XX [ksf]	-0.0554549	3.7885
Total Stress YY [ksf]	-0.0613275	3.78639
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5434.96
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5434.96
Total Strain	-2.3272e-007	0.695665
Pore Water Pressure [ksf]	-0.000189361	1.90639
Excess Pore Water Pressure [ksf]	-1.0406e-006	0.312886
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0176818

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.31198
Total Consolidation Settlement [in]	0	7.31198
Virgin Consolidation Settlement [in]	0	4.21402
Recompression Consolidation Settlement [in]	0	3.09796
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.313
Loading Stress XX [ksf]	-0.0554549	0.240999
Loading Stress YY [ksf]	-0.0613275	0.235877
Effective Stress ZZ [ksf]	-6.0377e-011	1.78898
Effective Stress XX [ksf]	-0.0554549	1.95253
Effective Stress YY [ksf]	-0.0613275	1.95042
Total Stress ZZ [ksf]	0	3.62296
Total Stress XX [ksf]	-0.0554549	3.78651
Total Stress YY [ksf]	-0.0613275	3.7844
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	649.168
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	649.168
Total Strain	-3.3439e-007	0.709421
Pore Water Pressure [ksf]	-0.000221295	1.872
Excess Pore Water Pressure [ksf]	-7.58384e-007	0.312866
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0227336

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.89316
Total Consolidation Settlement [in]	0	8.89316
Virgin Consolidation Settlement [in]	0	5.57514
Recompression Consolidation Settlement [in]	0	3.31802
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.129238
Loading Stress XX [ksf]	-0.0228973	0.0995083
Loading Stress YY [ksf]	-0.0253221	0.0973936
Effective Stress ZZ [ksf]	-4.55909e-011	1.79721
Effective Stress XX [ksf]	-0.0228973	1.83419
Effective Stress YY [ksf]	-0.0253221	1.83331
Total Stress ZZ [ksf]	0	3.43922
Total Stress XX [ksf]	-0.0228973	3.4762
Total Stress YY [ksf]	-0.0253222	3.47532
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	225.526
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	225.526
Total Strain	-3.87051e-007	0.705809
Pore Water Pressure [ksf]	-0.17821	1.872
Excess Pore Water Pressure [ksf]	-0.183762	0.128411
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0594504
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.20008
Total Consolidation Settlement [in]	0	8.20008
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.61316
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.121788
Loading Stress XX [ksf]	-0.0215775	0.0937726
Loading Stress YY [ksf]	-0.0238625	0.0917797
Effective Stress ZZ [ksf]	0	1.60986
Effective Stress XX [ksf]	-0.0215775	1.64565
Effective Stress YY [ksf]	-0.0238625	1.64483
Total Stress ZZ [ksf]	0	3.43177
Total Stress XX [ksf]	-0.0215775	3.46756
Total Stress YY [ksf]	-0.0238626	3.46674
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	501.093
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	501.093
Total Strain	-5.76208e-007	0.6846
Pore Water Pressure [ksf]	-0.00413753	1.872
Excess Pore Water Pressure [ksf]	-0.0275108	0.114594
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.12356
Total Consolidation Settlement [in]	0	8.12356
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.53664
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.111272
Loading Stress XX [ksf]	-0.0197142	0.085675
Loading Stress YY [ksf]	-0.0218019	0.0838542
Effective Stress ZZ [ksf]	-3.09868e-011	1.60202
Effective Stress XX [ksf]	-0.0197142	1.63143
Effective Stress YY [ksf]	-0.0218019	1.63068
Total Stress ZZ [ksf]	0	3.42126
Total Stress XX [ksf]	-0.0197142	3.45067
Total Stress YY [ksf]	-0.021802	3.44992
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	484.868
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	484.868
Total Strain	-6.28901e-007	0.68177
Pore Water Pressure [ksf]	-0.00681735	1.872
Excess Pore Water Pressure [ksf]	-0.0198217	0.0992674
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.03713
Total Consolidation Settlement [in]	0	8.03713
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.45021
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.111272
Loading Stress XX [ksf]	-0.0197142	0.085675
Loading Stress YY [ksf]	-0.0218019	0.0838542
Effective Stress ZZ [ksf]	-1.74633e-011	1.59105
Effective Stress XX [ksf]	-0.0197142	1.62091
Effective Stress YY [ksf]	-0.0218019	1.62017
Total Stress ZZ [ksf]	0	3.42126
Total Stress XX [ksf]	-0.0197142	3.45112
Total Stress YY [ksf]	-0.021802	3.45037
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	529.071
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	529.071
Total Strain	-6.3822e-007	0.680009
Pore Water Pressure [ksf]	-0.000250531	1.872
Excess Pore Water Pressure [ksf]	-0.00181995	0.0893326
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.04213
Total Consolidation Settlement [in]	0	8.04213
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.45521
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0943695
Loading Stress XX [ksf]	-0.0167197	0.0726611
Loading Stress YY [ksf]	-0.0184903	0.0711169
Effective Stress ZZ [ksf]	0	1.59108
Effective Stress XX [ksf]	-0.0167197	1.61003
Effective Stress YY [ksf]	-0.0184903	1.60939
Total Stress ZZ [ksf]	0	3.40436
Total Stress XX [ksf]	-0.0167197	3.42331
Total Stress YY [ksf]	-0.0184903	3.42267
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	448.029
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	448.029
Total Strain	-5.70046e-007	0.67706
Pore Water Pressure [ksf]	-0.0128679	1.872
Excess Pore Water Pressure [ksf]	-0.0169505	0.0634643
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.90975
Total Consolidation Settlement [in]	0	7.90975
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.32283
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0913647
Loading Stress XX [ksf]	-0.0161873	0.0703475
Loading Stress YY [ksf]	-0.0179015	0.0688525
Effective Stress ZZ [ksf]	0	1.57349
Effective Stress XX [ksf]	-0.0161873	1.5912
Effective Stress YY [ksf]	-0.0179015	1.59058
Total Stress ZZ [ksf]	0	3.40135
Total Stress XX [ksf]	-0.0161873	3.41906
Total Stress YY [ksf]	-0.0179016	3.41844
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	508.621
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	508.621
Total Strain	-4.99296e-007	0.673289
Pore Water Pressure [ksf]	-0.000250561	1.872
Excess Pore Water Pressure [ksf]	-0.00595091	0.0527546
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.88839
Total Consolidation Settlement [in]	0	7.88839
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.30147
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.57037
Effective Stress XX [ksf]	-0.0160542	1.58771
Effective Stress YY [ksf]	-0.0177543	1.5871
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41794
Total Stress YY [ksf]	-0.0177544	3.41733
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	520.192
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	520.192
Total Strain	-3.75385e-007	0.672521
Pore Water Pressure [ksf]	-0.000250561	1.872
Excess Pore Water Pressure [ksf]	-0.000764508	0.041737
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.88985
Total Consolidation Settlement [in]	0	7.88985
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.30293
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.56963
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41793
Total Stress YY [ksf]	-0.0177544	3.41732
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	523.998
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	523.998
Total Strain	-4.16271e-007	0.672368
Pore Water Pressure [ksf]	-0.000250561	1.872
Excess Pore Water Pressure [ksf]	-5.07294e-005	0.0377945
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.91616
Total Consolidation Settlement [in]	0	7.91616
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.32924
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.56977
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41779
Total Stress YY [ksf]	-0.0177544	3.41718
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	522.882
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	522.882
Total Strain	-4.83452e-007	0.672368
Pore Water Pressure [ksf]	-0.000251662	1.872
Excess Pore Water Pressure [ksf]	-2.76802e-008	0.0276819
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.97892
Total Consolidation Settlement [in]	0	7.97892
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.39247
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.57009
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41747
Total Stress YY [ksf]	-0.0177545	3.41686
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	520.316
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	520.316
Total Strain	-5.79801e-007	0.672369
Pore Water Pressure [ksf]	-0.000255713	1.872
Excess Pore Water Pressure [ksf]	-2.2986e-008	0.00932521
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.00152
Total Consolidation Settlement [in]	0	8.00152
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.41523
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.57021
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41735
Total Stress YY [ksf]	-0.0177545	3.41674
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	519.388
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	519.388
Total Strain	-5.82825e-007	0.67237
Pore Water Pressure [ksf]	-0.000257324	1.872
Excess Pore Water Pressure [ksf]	-2.19031e-008	0.00329822
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.01234
Total Consolidation Settlement [in]	0	8.01234
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.42613
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.57027
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41729
Total Stress YY [ksf]	-0.0177545	3.41668
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.939
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.939
Total Strain	-5.8267e-007	0.67237
Pore Water Pressure [ksf]	-0.000258107	1.872
Excess Pore Water Pressure [ksf]	-7.54578e-009	0.000415369
Degree of Consolidation [%]	0	99.997
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.01389
Total Consolidation Settlement [in]	0	8.01389
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.42769
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.57027
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41728
Total Stress YY [ksf]	-0.0177545	3.41667
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.868
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.868
Total Strain	-5.83074e-007	0.67237
Pore Water Pressure [ksf]	-0.000258238	1.872
Excess Pore Water Pressure [ksf]	-7.36477e-009	2.32932e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.01389
Total Consolidation Settlement [in]	0	8.01389
Virgin Consolidation Settlement [in]	0	5.58692
Recompression Consolidation Settlement [in]	0	2.4277
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0906135
Loading Stress XX [ksf]	-0.0160542	0.0697691
Loading Stress YY [ksf]	-0.0177543	0.0682864
Effective Stress ZZ [ksf]	0	1.57027
Effective Stress XX [ksf]	-0.0160542	1.58696
Effective Stress YY [ksf]	-0.0177543	1.58635
Total Stress ZZ [ksf]	0	3.4006
Total Stress XX [ksf]	-0.0160542	3.41728
Total Stress YY [ksf]	-0.0177545	3.41667
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.866
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.866
Total Strain	-5.83083e-007	0.67237
Pore Water Pressure [ksf]	-0.000258239	1.872
Excess Pore Water Pressure [ksf]	-2.03688e-008	7.23718e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.022848

Loads

1. Rectangular Load: "Rectangular Load 1"

Length 1000 ft
Width 1000 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.2613 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 120 d	0	0
Stage 11 = 150 d	0	0
Stage 12 = 180 d	0	0
Stage 13 = 240 d	0	0
Stage 14 = 270 d	0	0
Stage 15 = 365 d	0	0
Stage 16 = 730 d	0	0
Stage 17 = 1095 d	0	0
Stage 18 = 1825 d	0	0
Stage 19 = 3650 d	0	0
Stage 20 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1077 ft
Width 1100 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1.1847e+006 ft²
Load 0.313 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.4129	0
Stage 8 = 75 d	0.3891	0
Stage 9 = 90 d	0.3555	0
Stage 10 = 120 d	0.3555	0
Stage 11 = 150 d	0.3015	0
Stage 12 = 180 d	0.2919	0
Stage 13 = 240 d	0.2895	0
Stage 14 = 270 d	0.2895	0
Stage 15 = 365 d	0.2895	0
Stage 16 = 730 d	0.2895	0
Stage 17 = 1095 d	0.2895	0
Stage 18 = 1825 d	0.2895	0
Stage 19 = 3650 d	0.2895	0
Stage 20 = 7300 d	0.2895	0

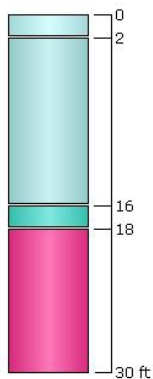
Coordinates

X [ft]	Y [ft]
-538.5	-550
538.5	-550
538.5	550
-538.5	550





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	Yes
2	Very Soft Clay (CH) 2	14	2	No
3	Very Soft Clay (CH) 3	2	16	Yes
4	Clayey Sand	12	18	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Clayey Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	10	3.1	1.4	-
Cv [ft ² /d]	0.03	0.07	0.07	-
Cvr [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1088.5	2000
1088.5	-2000
-1088.5	-2000
-1088.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
Location: Orleans Parish, LA
File No.: 4.6E+09
Exploration: B-7/B-7A

Initial Sequence of Lifts

Specific Gravity:	2.69	Initial γ (pcf):	87.10 (assumes 100% saturation)
Initial Void Ratio:	3.27	Water El (feet):	0.50
Initial Fill El (feet):	1.50	Initial stress (ksf):	0.2613 During Construct at 29 days
Initial Avg. Mudline El (feet):	-1.50	Stress at EOC (ksf):	0.313 End of Constructi at 30 days
Mudline at EOC (feet):	-2.10		

Note:

Title
Manual Input
Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.608	0.743	0.685	0.679	0.672	0.663	0.661	0.661	0.661	0.665	0.667	0.667	0.668	0.668
Ending Mudline El. (feet):	-2.11	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24
Net PSDDF Settlement (feet):		0.195	0.321	0.497	0.77	0.839	0.881	0.881	0.881	0.881	0.881	0.881	0.881	0.881
Ending Fill Thickness (feet):	3.608	3.413	3.287	3.111	2.838	2.769	2.727	2.727	2.727	2.727	2.727	2.727	2.727	2.727
Ending Fill El. (feet):	1.500	1.170	1.044	0.868	0.595	0.526	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484
Avg. Void Ratio from PSDDF:	3.33	3.110	2.940	2.710	2.380	2.250	2.170	2.170	2.170	2.170	2.170	2.170	2.170	2.170
Ending γ (pcf):	87.10	88.06	89.17	90.82	93.60	94.85	95.67	95.67	95.67	95.67	95.67	95.67	95.67	95.67
Effective Stress at End Time (ksf):	0.3134	0.129	0.122	0.111	0.094	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091

DRAFT

Project:

Location:

File No.:

Exploration:

Mudline El.:

New Orleans Landbridge Shoreline Stabilization and Marsh Crea
Orleans Parish, LA
4585017006
B-7/B-7A
-1.5 feet

LEGEND

Title

Manual Input

Calculation

Load End Time (days)	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.261	0.313	0.129	0.122	0.111	0.094	0.091	0.091	0.091	0.091	0.091	0.091	0.091	0.091	
Layer 1	0.471	0.473	0.559	0.513	0.508	0.500	0.493	0.491	0.490	0.488	0.487	0.487	0.487	0.487	0.487
Layer 2	0.124	0.132	0.178	0.168	0.167	0.168	0.166	0.166	0.167	0.169	0.174	0.176	0.176	0.177	0.177
Layer 3	0.003	0.003	0.006	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Layer 4															
Layer 5															
Layer 6															
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.598	0.608	0.743	0.685	0.679	0.672	0.663	0.661	0.661	0.661	0.665	0.667	0.667	0.668	0.668

DRAFT

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B123 Cell 1 Marsh Calcs EI +1.5 feet Sand.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.072105
Loading Stress XX [ksf]	-0.0117903	0.056085
Loading Stress YY [ksf]	-0.0127812	0.055344
Effective Stress ZZ [ksf]	-3.5505e-019	1.438
Effective Stress XX [ksf]	-0.0117903	1.48381
Effective Stress YY [ksf]	-0.0127812	1.48381
Total Stress ZZ [ksf]	0	3.38209
Total Stress XX [ksf]	-0.0117903	3.42791
Total Stress YY [ksf]	-0.0127812	3.42791
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.94409
Excess Pore Water Pressure [ksf]	0	0.072105
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.13728
Total Consolidation Settlement [in]	0	3.13728
Virgin Consolidation Settlement [in]	0	1.21635
Recompression Consolidation Settlement [in]	0	1.92092
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.14421
Loading Stress XX [ksf]	-0.0235807	0.11217
Loading Stress YY [ksf]	-0.0255625	0.110688
Effective Stress ZZ [ksf]	-5.56459e-011	1.52641
Effective Stress XX [ksf]	-0.0235807	1.60172
Effective Stress YY [ksf]	-0.0255625	1.60172
Total Stress ZZ [ksf]	0	3.45419
Total Stress XX [ksf]	-0.0235807	3.5295
Total Stress YY [ksf]	-0.0255625	3.5295
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1109.64
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1109.64
Total Strain	-8.29504e-009	0.493953
Pore Water Pressure [ksf]	-7.51749e-005	1.92778
Excess Pore Water Pressure [ksf]	0	0.14421
Degree of Consolidation [%]	0	51.8392
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00790738

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.92144
Total Consolidation Settlement [in]	0	4.92144
Virgin Consolidation Settlement [in]	0	2.30488
Recompression Consolidation Settlement [in]	0	2.61657
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.60777
Effective Stress XX [ksf]	-0.0357283	1.72101
Effective Stress YY [ksf]	-0.038731	1.72101
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.64171
Total Stress YY [ksf]	-0.038731	3.64171
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	829.625
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	829.625
Total Strain	-6.28095e-008	0.602416
Pore Water Pressure [ksf]	-0.000114953	1.92069
Excess Pore Water Pressure [ksf]	0	0.218481
Degree of Consolidation [%]	0	67.0719
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0121918

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.49376
Total Consolidation Settlement [in]	0	6.49376
Virgin Consolidation Settlement [in]	0	3.50059
Recompression Consolidation Settlement [in]	0	2.99317
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-5.51394e-011	1.69023
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.63352
Total Stress YY [ksf]	-0.0387311	3.63352
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	560.186
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	560.186
Total Strain	-1.72581e-007	0.641815
Pore Water Pressure [ksf]	-0.000157639	1.872
Excess Pore Water Pressure [ksf]	0	0.218377
Degree of Consolidation [%]	0	95.8582
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153385

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.55583
Total Consolidation Settlement [in]	0	6.55583
Virgin Consolidation Settlement [in]	0	3.54031
Recompression Consolidation Settlement [in]	0	3.01553
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-9.56509e-012	1.69055
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.6332
Total Stress YY [ksf]	-0.0387311	3.6332
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	558.813
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	558.813
Total Strain	-2.3911e-007	0.642035
Pore Water Pressure [ksf]	-0.00017913	1.872
Excess Pore Water Pressure [ksf]	0	0.218355
Degree of Consolidation [%]	0	96.0355
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153385

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.60558
Total Consolidation Settlement [in]	0	6.60558
Virgin Consolidation Settlement [in]	0	3.57207
Recompression Consolidation Settlement [in]	0	3.03351
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69081
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.63294
Total Stress YY [ksf]	-0.0387311	3.63294
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	557.673
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	557.673
Total Strain	-3.10242e-007	0.642214
Pore Water Pressure [ksf]	-0.000198257	1.872
Excess Pore Water Pressure [ksf]	-1.22307e-008	0.218331
Degree of Consolidation [%]	0	96.189
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0153385

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.0967
Total Consolidation Settlement [in]	0	7.0967
Virgin Consolidation Settlement [in]	0	3.9136
Recompression Consolidation Settlement [in]	0	3.1831
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-2.33833e-012	1.69337
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.63039
Total Stress YY [ksf]	-0.0387311	3.63039
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	548.649
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	548.649
Total Strain	-3.85301e-007	0.642977
Pore Water Pressure [ksf]	-0.000208107	1.872
Excess Pore Water Pressure [ksf]	-8.35523e-009	0.2176
Degree of Consolidation [%]	0	97.2499
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0185594

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.44324
Total Consolidation Settlement [in]	0	7.44324
Virgin Consolidation Settlement [in]	0	4.07671
Recompression Consolidation Settlement [in]	0	3.36654
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69517
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62859
Total Stress YY [ksf]	-0.0387311	3.62859
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	542.785
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	542.785
Total Strain	-3.88375e-007	0.643274
Pore Water Pressure [ksf]	-0.00024245	1.872
Excess Pore Water Pressure [ksf]	-4.03221e-009	0.212561
Degree of Consolidation [%]	0	97.9694
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0192181

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.53535
Total Consolidation Settlement [in]	0	7.53535
Virgin Consolidation Settlement [in]	0	4.10434
Recompression Consolidation Settlement [in]	0	3.43102
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-8.63064e-012	1.69565
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62811
Total Stress YY [ksf]	-0.0387311	3.62811
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	541.213
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	541.213
Total Strain	-3.8837e-007	0.643313
Pore Water Pressure [ksf]	-0.000257739	1.872
Excess Pore Water Pressure [ksf]	-3.68061e-009	0.208254
Degree of Consolidation [%]	0	98.1717
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0192787

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.66098
Total Consolidation Settlement [in]	0	7.66098
Virgin Consolidation Settlement [in]	0	4.12893
Recompression Consolidation Settlement [in]	0	3.53206
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-3.39143e-011	1.6963
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62745
Total Stress YY [ksf]	-0.0387311	3.62745
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	538.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	538.94
Total Strain	-4.75028e-007	0.643343
Pore Water Pressure [ksf]	-0.000277542	1.872
Excess Pore Water Pressure [ksf]	-2.9288e-009	0.197008
Degree of Consolidation [%]	0	98.4685
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193077

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.75008
Total Consolidation Settlement [in]	0	7.75008
Virgin Consolidation Settlement [in]	0	4.13755
Recompression Consolidation Settlement [in]	0	3.61254
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69676
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62699
Total Stress YY [ksf]	-0.0387311	3.62699
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	537.194
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	537.194
Total Strain	-4.80901e-007	0.643354
Pore Water Pressure [ksf]	-0.000286837	1.872
Excess Pore Water Pressure [ksf]	-2.26376e-009	0.18374
Degree of Consolidation [%]	0	98.684
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193113

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.82173
Total Consolidation Settlement [in]	0	7.82173
Virgin Consolidation Settlement [in]	0	4.14201
Recompression Consolidation Settlement [in]	0	3.67973
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69714
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62662
Total Stress YY [ksf]	-0.0387311	3.62662
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	535.666
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	535.666
Total Strain	-4.81871e-007	0.643361
Pore Water Pressure [ksf]	-0.000293918	1.872
Excess Pore Water Pressure [ksf]	-1.72022e-009	0.169829
Degree of Consolidation [%]	0	98.8507
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193118

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.93439
Total Consolidation Settlement [in]	0	7.93439
Virgin Consolidation Settlement [in]	0	4.14694
Recompression Consolidation Settlement [in]	0	3.78747
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69772
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62603
Total Stress YY [ksf]	-0.0387311	3.62603
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	532.934
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	532.934
Total Strain	-4.79491e-007	0.64337
Pore Water Pressure [ksf]	-0.000303376	1.872
Excess Pore Water Pressure [ksf]	0	0.143031
Degree of Consolidation [%]	0	99.0958
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.9801
Total Consolidation Settlement [in]	0	7.9801
Virgin Consolidation Settlement [in]	0	4.14853
Recompression Consolidation Settlement [in]	0	3.83158
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69796
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62579
Total Stress YY [ksf]	-0.0387311	3.62579
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	531.688
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	531.688
Total Strain	-4.76826e-007	0.643373
Pore Water Pressure [ksf]	-0.000306958	1.872
Excess Pore Water Pressure [ksf]	-1.0823e-009	0.130785
Degree of Consolidation [%]	0	99.1895
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.09331
Total Consolidation Settlement [in]	0	8.09331
Virgin Consolidation Settlement [in]	0	4.15189
Recompression Consolidation Settlement [in]	0	3.94142
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-5.38504e-011	1.69855
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62521
Total Stress YY [ksf]	-0.0387311	3.62521
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	528.257
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	528.257
Total Strain	-5.03847e-007	0.643381
Pore Water Pressure [ksf]	-0.000314546	1.872
Excess Pore Water Pressure [ksf]	0	0.0993835
Degree of Consolidation [%]	0	99.4106
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.29826
Total Consolidation Settlement [in]	0	8.29826
Virgin Consolidation Settlement [in]	0	4.1571
Recompression Consolidation Settlement [in]	0	4.14116
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-4.73974e-012	1.69962
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62414
Total Stress YY [ksf]	-0.0387311	3.62414
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	521.123
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	521.123
Total Strain	-5.0815e-007	0.643393
Pore Water Pressure [ksf]	-0.000326709	1.872
Excess Pore Water Pressure [ksf]	-9.97541e-011	0.0325867
Degree of Consolidation [%]	0	99.8001
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.3603
Total Consolidation Settlement [in]	0	8.3603
Virgin Consolidation Settlement [in]	0	4.15865
Recompression Consolidation Settlement [in]	0	4.20165
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.69994
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62382
Total Stress YY [ksf]	-0.0387311	3.62382
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	519.135
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	519.135
Total Strain	-5.06878e-007	0.643396
Pore Water Pressure [ksf]	-0.000330707	1.872
Excess Pore Water Pressure [ksf]	-2.59989e-010	0.0104825
Degree of Consolidation [%]	0	99.9293
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.38723
Total Consolidation Settlement [in]	0	8.38723
Virgin Consolidation Settlement [in]	0	4.16022
Recompression Consolidation Settlement [in]	0	4.22701
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-2.53505e-011	1.70008
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62368
Total Stress YY [ksf]	-0.0387311	3.62368
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.593
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.593
Total Strain	-5.06318e-007	0.643398
Pore Water Pressure [ksf]	-0.000332517	1.872
Excess Pore Water Pressure [ksf]	-9.68117e-010	0.00109493
Degree of Consolidation [%]	0	99.9911
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.39025
Total Consolidation Settlement [in]	0	8.39025
Virgin Consolidation Settlement [in]	0	4.16048
Recompression Consolidation Settlement [in]	0	4.22977
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	-4.02448e-012	1.70009
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62366
Total Stress YY [ksf]	-0.0387311	3.62366
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.511
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.511
Total Strain	-5.07003e-007	0.643398
Pore Water Pressure [ksf]	-0.000332723	1.872
Excess Pore Water Pressure [ksf]	-4.31322e-005	2.88244e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.39026
Total Consolidation Settlement [in]	0	8.39026
Virgin Consolidation Settlement [in]	0	4.16048
Recompression Consolidation Settlement [in]	0	4.22977
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2185
Loading Stress XX [ksf]	-0.0357283	0.169955
Loading Stress YY [ksf]	-0.038731	0.167709
Effective Stress ZZ [ksf]	0	1.70009
Effective Stress XX [ksf]	-0.0357283	1.79529
Effective Stress YY [ksf]	-0.038731	1.79529
Total Stress ZZ [ksf]	0	3.52846
Total Stress XX [ksf]	-0.0357283	3.62366
Total Stress YY [ksf]	-0.0387311	3.62366
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.509
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.509
Total Strain	-5.07038e-007	0.643398
Pore Water Pressure [ksf]	-0.000332724	1.872
Excess Pore Water Pressure [ksf]	-2.82732e-005	3.64363e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10.0001
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0193119

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.2185 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 120 d	1	0
Stage 11 = 150 d	1	0
Stage 12 = 180 d	1	0
Stage 13 = 240 d	1	0
Stage 14 = 270 d	1	0
Stage 15 = 365 d	1	0
Stage 16 = 730 d	1	0
Stage 17 = 1095 d	1	0
Stage 18 = 1825 d	1	0
Stage 19 = 3650 d	1	0
Stage 20 = 7300 d	1	0

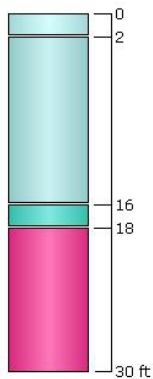
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	Yes
2	Very Soft Clay (CH) 2	14	2	No
3	Very Soft Clay (CH) 3	2	16	Yes
4	Clayey Sand	12	18	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Clayey Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	10	3.1	1.4	-
Cv [ft ² /d]	0.03	0.07	0.07	-
Cvr [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000

```

100 'B123 E1 +4.5 PO-169' 1 1
101 1 1 1
102 4.86 0.0001 50 -1.5 0.5 62.4 0
103 0 0 1
104 1 2.69 0.008 0.065 1.98 3.32 0.809 0.39 10
105 10.61 0.00E+00 2.20E+03
106 04.31 1.00E+00 2.71E-01
107 03.93 2.00E+00 1.04E-01
108 03.43 5.00E+00 2.93E-02
109 03.05 1.00E+01 1.12E-02
110 02.55 2.50E+01 3.17E-03
111 02.17 5.00E+01 1.22E-03
112 01.79 1.00E+02 4.66E-04
113 01.41 2.00E+02 1.79E-04
114 01.04 4.00E+02 6.87E-05
115 20
116 4.5 60 4 1 10.61 1 25
117 10 4.5 60 4 1 10.61 1 25
118 20 4.5 60 4 1 10.61 1 25
119 30 3 60 4 1 10.61 1 25
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

```

 Consolidation and desiccation of soft layers---dredged fill

Problem B123 El +4.5 PO-169

*****Soil data for dredged fill*****

Material Type	Specific Gravity	Ca/Cc	Cr/Cc	Saturation Limit	Disiccation Limit	Max. Crust Depth	Saturation at DL
1	2.690	0.008	0.065	3.320	1.980	0.809	0.390

Material type : 1

I	Void Ratio	Effective Stress	Perm-eability	k/1+e PK	Beta	Dsde	Alpha
1	10.610	0.000E+00	0.220E+04	0.189E+03	0.301E+02	-0.159E+00	-0.301E+02
2	4.310	0.100E+01	0.271E+00	0.510E-01	0.284E+02	-0.299E+00	-0.153E-01
3	3.930	0.200E+01	0.104E+00	0.211E-01	0.505E-01	-0.455E+01	-0.959E-01
4	3.430	0.500E+01	0.293E-01	0.661E-02	0.208E-01	-0.909E+01	-0.601E-01
5	3.050	0.100E+02	0.112E-01	0.277E-02	0.650E-02	-0.227E+02	-0.629E-01
6	2.550	0.250E+02	0.317E-02	0.893E-03	0.271E-02	-0.455E+02	-0.406E-01
7	2.170	0.500E+02	0.122E-02	0.385E-03	0.955E-03	-0.987E+02	-0.380E-01
8	1.790	0.100E+03	0.466E-03	0.167E-03	0.409E-03	-0.197E+03	-0.330E-01
9	1.410	0.200E+03	0.179E-03	0.743E-04	0.178E-03	-0.400E+03	-0.297E-01
10	1.040	0.400E+03	0.687E-04	0.337E-04	0.110E-03	-0.541E+03	-0.182E-01

Summary of lifts and print detail

Time days	Material Type	Fill Height	# Sub-layers	Void ratio	Start Day	Dessic. Month	Print detail
0.	1	4.5	25	10.61	60.	4	1
10.	1	4.5	25	10.61	60.	4	1
20.	1	4.5	25	10.61	60.	4	1
30.	1	3.0	25	10.61	60.	4	1
31.					60.	4	1
45.					60.	4	1
75.					60.	4	1
90.					60.	4	1
150.					60.	4	1
180.					60.	4	1
210.					60.	4	1
240.					60.	4	1
270.					60.	4	1

	B145.pso		
365.	60.	4	1
455.	60.	4	1
730.	60.	4	1
1095.	60.	4	1
1825.	60.	4	1
3650.	60.	4	1
7300.	60.	4	1

Summary of monthly rainfall and evaporation potential

Month	Rainfall	Evaporation
1	0.470	0.190
2	0.410	0.280
3	0.440	0.400
4	0.360	0.540
5	0.430	0.600
6	0.460	0.640
7	0.570	0.560
8	0.580	0.530
9	0.420	0.460
10	0.320	0.440
11	0.370	0.290
12	0.410	0.210

*****Calculation data*****

tau	Lower layer Void ratio	Lower layer Permeability	drainage path Length
.110E-03	4.860	0.10000E-03	z = 8.53

Summary of desiccation parameters

Parameter	value
Surface Drainage Efficiency	0.80
maximum evaporation efficiency	0.80

B145.pso

time to desic. after initial fill	60.00
month of initial desiccation	4
elevation of fixed water table	0.50
elevation of top of incompres. found.	-1.50

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*****Initial Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
4.50	4.50	0.39	10.61	10.61	10.61	1
4.32	4.32	0.37	10.61	10.61	4.07	1
4.14	4.14	0.36	10.61	10.61	3.72	1
3.96	3.96	0.34	10.61	10.61	3.45	1
3.78	3.78	0.33	10.61	10.61	3.31	1
3.60	3.60	0.31	10.61	10.61	3.19	1
3.42	3.42	0.29	10.61	10.61	3.06	1
3.24	3.24	0.28	10.61	10.61	3.00	1
3.06	3.06	0.26	10.61	10.61	2.95	1
2.88	2.88	0.25	10.61	10.61	2.89	1
2.70	2.70	0.23	10.61	10.61	2.84	1
2.52	2.52	0.22	10.61	10.61	2.78	1
2.34	2.34	0.20	10.61	10.61	2.73	1
2.16	2.16	0.19	10.61	10.61	2.67	1
1.98	1.98	0.17	10.61	10.61	2.62	1
1.80	1.80	0.16	10.61	10.61	2.57	1
1.62	1.62	0.14	10.61	10.61	2.53	1
1.44	1.44	0.12	10.61	10.61	2.51	1
1.26	1.26	0.11	10.61	10.61	2.48	1
1.08	1.08	0.09	10.61	10.61	2.46	1
0.90	0.90	0.08	10.61	10.61	2.43	1
0.72	0.72	0.06	10.61	10.61	2.41	1
0.54	0.54	0.05	10.61	10.61	2.38	1
0.36	0.36	0.03	10.61	10.61	2.36	1
0.18	0.18	0.02	10.61	10.61	2.33	1
0.00	0.00	0.00	10.61	10.61	2.31	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.50	0.00	0.00	0.00	0.00	0.00	1
4.32	12.87	0.00	12.87	11.23	1.63	1
4.14	25.73	0.00	25.73	22.46	3.27	1
3.96	38.60	0.00	38.60	33.70	4.90	1
3.78	51.47	0.00	51.47	44.93	6.54	1
3.60	64.33	0.00	64.33	56.16	8.17	1
3.42	77.20	0.00	77.20	67.39	9.81	1
3.24	90.07	0.00	90.07	78.62	11.44	1
3.06	102.94	0.00	102.94	89.86	13.08	1
2.88	115.80	0.00	115.80	101.09	14.71	1
2.70	128.67	0.00	128.67	112.32	16.35	1
2.52	141.54	0.00	141.54	123.55	17.98	1
2.34	154.40	0.00	154.40	134.78	19.62	1
2.16	167.27	0.00	167.27	146.02	21.25	1
1.98	180.14	0.00	180.14	157.25	22.89	1
1.80	193.00	0.00	193.00	168.48	24.52	1

			B145.pso			
1.62	205.87	0.00	205.87	179.71	26.16	1
1.44	218.74	0.00	218.74	190.94	27.79	1
1.26	231.61	0.00	231.61	202.18	29.43	1
1.08	244.47	0.00	244.47	213.41	31.06	1
0.90	257.34	0.00	257.34	224.64	32.70	1
0.72	270.21	0.00	270.21	235.87	34.33	1
0.54	283.07	0.00	283.07	247.10	35.97	1
0.36	295.94	0.00	295.94	258.34	37.60	1
0.18	308.81	0.00	308.81	269.57	39.24	1
0.00	321.67	0.00	321.67	280.80	40.87	1

Time = 0. Degree of Consolidation = 0.0%

Total Settlement = 0.000

Settlement at End of Primary Consolidation = 2.974

Settlement caused by Primary Consolidation at time 0. = 0.000

Settlement caused by Secondary Compression at time 0. = 0.000

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
4.50	1.61	0.39	10.61	10.61	10.61	1
4.32	1.50	0.37	10.61	4.07	4.07	1
4.14	1.42	0.36	10.61	3.72	3.72	1
3.96	1.35	0.34	10.61	3.52	3.45	1
3.78	1.28	0.33	10.61	3.41	3.31	1
3.60	1.21	0.31	10.61	3.33	3.19	1
3.42	1.15	0.29	10.61	3.28	3.06	1
3.24	1.08	0.28	10.61	3.23	3.00	1
3.06	1.01	0.26	10.61	3.20	2.95	1
2.88	0.95	0.25	10.61	3.17	2.89	1
2.70	0.89	0.23	10.61	3.13	2.84	1
2.52	0.82	0.22	10.61	3.10	2.78	1
2.34	0.76	0.20	10.61	3.07	2.73	1
2.16	0.70	0.19	10.61	3.03	2.67	1
1.98	0.63	0.17	10.61	2.99	2.62	1
1.80	0.57	0.16	10.61	2.95	2.57	1
1.62	0.51	0.14	10.61	2.91	2.53	1
1.44	0.45	0.12	10.61	2.86	2.51	1
1.26	0.39	0.11	10.61	2.81	2.48	1
1.08	0.33	0.09	10.61	2.75	2.46	1
0.90	0.27	0.08	10.61	2.70	2.43	1
0.72	0.22	0.06	10.61	2.64	2.41	1
0.54	0.16	0.05	10.61	2.57	2.38	1
0.36	0.11	0.03	10.61	2.50	2.36	1
0.18	0.05	0.02	10.61	2.44	2.33	1
0.00	0.00	0.00	10.61	2.37	2.31	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.61	24.12	0.00	24.12	24.12	0.00	1

			B145.pso			
1.50	33.08	1.63	31.44	31.44	0.00	1
1.42	39.43	3.27	36.16	36.16	0.00	1
1.35	45.53	4.43	41.10	40.62	0.47	1
1.28	51.48	5.32	46.16	44.94	1.22	1
1.21	57.34	6.33	51.01	49.16	1.84	1
1.15	63.13	7.03	56.10	53.32	2.78	1
1.08	68.88	7.58	61.30	57.44	3.86	1
1.01	74.60	8.05	66.54	61.52	5.03	1
0.95	80.28	8.49	71.79	65.56	6.23	1
0.89	85.93	8.91	77.02	69.58	7.44	1
0.82	91.54	9.33	82.21	73.56	8.65	1
0.76	97.13	9.77	87.36	77.51	9.85	1
0.70	102.68	10.52	92.16	81.43	10.74	1
0.63	108.20	11.66	96.54	85.31	11.23	1
0.57	113.68	12.90	100.79	89.16	11.63	1
0.51	119.12	14.23	104.89	92.96	11.93	1
0.45	124.51	15.67	108.84	96.72	12.12	1
0.39	129.86	17.21	112.65	100.43	12.22	1
0.33	135.15	18.85	116.30	104.09	12.21	1
0.27	140.39	20.59	119.80	107.69	12.11	1
0.22	145.58	22.44	123.14	111.24	11.89	1
0.16	150.70	24.39	126.31	114.73	11.58	1
0.11	155.75	28.07	127.68	118.15	9.53	1
0.05	160.75	32.42	128.32	121.51	6.82	1
0.00	165.67	36.59	129.09	124.80	4.29	1

Time = 10. Degree of Consolidation = 97.0%

Total Settlement = 2.887

Settlement at End of Primary Consolidation = 2.974

Settlement caused by Primary Consolidation at time 10. = 2.887

Settlement caused by Secondary Compression at time 10. = 0.000

Surface Elevation = 0.11

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	E _{op}	Material
9.00	3.20	0.78	10.61	10.61	10.61	1
8.82	3.09	0.76	10.61	4.07	4.07	1
8.64	3.01	0.74	10.61	3.75	3.72	1
8.46	2.94	0.73	10.61	3.61	3.45	1
8.28	2.87	0.71	10.61	3.53	3.31	1
8.10	2.80	0.70	10.61	3.49	3.19	1
7.92	2.73	0.68	10.61	3.45	3.06	1
7.74	2.66	0.67	10.61	3.43	3.00	1
7.56	2.59	0.65	10.61	3.41	2.95	1
7.38	2.52	0.64	10.61	3.39	2.89	1
7.20	2.46	0.62	10.61	3.37	2.84	1
7.02	2.39	0.60	10.61	3.36	2.78	1
6.84	2.32	0.59	10.61	3.34	2.73	1
6.66	2.25	0.57	10.61	3.32	2.67	1
6.48	2.19	0.56	10.61	3.31	2.62	1

			B145.pso			
6.30	2.12	0.54	10.61	3.29	2.57	1
6.12	2.05	0.53	10.61	3.27	2.53	1
5.94	1.99	0.51	10.61	3.26	2.51	1
5.76	1.92	0.50	10.61	3.24	2.48	1
5.58	1.86	0.48	10.61	3.22	2.46	1
5.40	1.79	0.47	10.61	3.21	2.43	1
5.22	1.73	0.45	10.61	3.19	2.41	1
5.04	1.66	0.43	10.61	3.17	2.38	1
4.86	1.60	0.42	10.61	3.15	2.36	1
4.68	1.53	0.40	10.61	3.14	2.33	1
4.50	1.47	0.39	10.61	3.12	2.31	1
4.50	1.47	0.39	10.61	3.12	2.31	1
4.32	1.40	0.37	10.61	3.10	2.28	1
4.14	1.34	0.36	10.61	3.08	2.26	1
3.96	1.28	0.34	10.61	3.06	2.23	1
3.78	1.21	0.33	10.61	3.04	2.21	1
3.60	1.15	0.31	10.61	3.02	2.18	1
3.42	1.09	0.29	10.61	2.99	2.16	1
3.24	1.03	0.28	10.61	2.97	2.15	1
3.06	0.97	0.26	10.61	2.94	2.14	1
2.88	0.91	0.25	10.61	2.92	2.13	1
2.70	0.85	0.23	10.61	2.89	2.12	1
2.52	0.79	0.22	10.61	2.86	2.10	1
2.34	0.73	0.20	10.61	2.83	2.09	1
2.16	0.67	0.19	10.61	2.80	2.08	1
1.98	0.61	0.17	10.61	2.76	2.07	1
1.80	0.55	0.16	10.61	2.73	2.05	1
1.62	0.49	0.14	10.61	2.70	2.04	1
1.44	0.44	0.12	10.61	2.66	2.03	1
1.26	0.38	0.11	10.61	2.62	2.02	1
1.08	0.32	0.09	10.61	2.59	2.00	1
0.90	0.27	0.08	10.61	2.55	1.99	1
0.72	0.21	0.06	10.61	2.51	1.98	1
0.54	0.16	0.05	10.61	2.48	1.97	1
0.36	0.11	0.03	10.61	2.44	1.95	1
0.18	0.05	0.02	10.61	2.41	1.94	1
0.00	0.00	0.00	10.61	2.37	1.93	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.20	0.00	0.00	0.00	0.00	0.00	1
3.09	8.96	1.63	7.32	7.32	0.00	1
3.01	15.32	3.11	12.21	12.05	0.16	1
2.94	21.47	3.93	17.55	16.57	0.98	1
2.87	27.52	4.39	23.14	20.98	2.15	1
2.80	33.52	4.67	28.85	25.35	3.51	1
2.73	39.48	4.85	34.63	29.67	4.96	1
2.66	45.41	5.00	40.41	33.97	6.45	1
2.59	51.32	5.26	46.07	38.24	7.82	1
2.52	57.22	5.50	51.72	42.50	9.22	1
2.46	63.09	5.72	57.37	46.74	10.63	1
2.39	68.95	5.95	63.00	50.97	12.04	1
2.32	74.79	6.17	68.63	55.17	13.45	1
2.25	80.62	6.39	74.23	59.37	14.87	1
2.19	86.43	6.61	79.82	63.54	16.28	1
2.12	92.23	6.83	85.40	67.70	17.70	1
2.05	98.00	7.05	90.96	71.84	19.11	1
1.99	103.77	7.27	96.50	75.97	20.52	1
1.92	109.51	7.49	102.02	80.08	21.94	1
1.86	115.24	7.72	107.52	84.18	23.35	1
1.79	120.95	7.94	113.01	88.25	24.76	1

			B145.pso			
1.73	126.65	8.17	118.48	92.31	26.16	1
1.66	132.33	8.40	123.93	96.36	27.57	1
1.60	137.99	8.64	129.35	100.39	28.97	1
1.53	143.64	8.87	134.76	104.40	30.37	1
1.47	149.26	9.12	140.15	108.39	31.76	1
1.47	149.26	9.12	140.15	108.39	31.76	1
1.40	154.87	9.36	145.51	112.36	33.15	1
1.34	160.46	9.61	150.85	116.32	34.53	1
1.28	166.03	9.87	156.16	120.26	35.91	1
1.21	171.59	10.33	161.25	124.17	37.08	1
1.15	177.12	11.00	166.12	128.07	38.05	1
1.09	182.63	11.70	170.93	131.94	38.98	1
1.03	188.11	12.44	175.67	135.80	39.88	1
0.97	193.58	13.22	180.36	139.62	40.74	1
0.91	199.01	14.03	184.98	143.42	41.56	1
0.85	204.42	14.88	189.54	147.20	42.35	1
0.79	209.80	15.76	194.05	150.95	43.10	1
0.73	215.16	16.67	198.49	154.66	43.82	1
0.67	220.48	17.62	202.86	158.35	44.51	1
0.61	225.77	18.59	207.18	162.01	45.17	1
0.55	231.03	19.59	211.44	165.63	45.81	1
0.49	236.26	20.63	215.63	169.22	46.41	1
0.44	241.45	21.69	219.77	172.78	46.98	1
0.38	246.61	22.77	223.84	176.31	47.53	1
0.32	251.73	23.88	227.85	179.80	48.06	1
0.27	256.82	25.03	231.80	183.25	48.55	1
0.21	261.87	27.51	234.36	186.66	47.70	1
0.16	266.89	29.93	236.96	190.04	46.92	1
0.11	271.87	32.26	239.61	193.39	46.22	1
0.05	276.81	34.49	242.32	196.70	45.62	1
0.00	281.73	36.59	245.14	199.98	45.16	1

Time = 20. Degree of Consolidation = 92.0%

Total Settlement = 5.795

Settlement at End of Primary Consolidation = 6.276

Settlement caused by Primary Consolidation at time 20. = 5.795

Settlement caused by Secondary Compression at time 20. = 0.000

Surface Elevation = 1.70

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
13.50	4.79	1.16	10.61	10.61	10.61	1
13.32	4.68	1.15	10.61	4.07	4.07	1
13.14	4.60	1.13	10.61	3.76	3.72	1
12.96	4.53	1.12	10.61	3.64	3.45	1
12.78	4.46	1.10	10.61	3.57	3.31	1
12.60	4.39	1.09	10.61	3.53	3.19	1
12.42	4.32	1.07	10.61	3.50	3.06	1
12.24	4.25	1.05	10.61	3.49	3.00	1
12.06	4.18	1.04	10.61	3.47	2.95	1

11.88	4.11	1.02	B145.pso 10.61	3.46	2.89	1
11.70	4.04	1.01	10.61	3.45	2.84	1
11.52	3.97	0.99	10.61	3.43	2.78	1
11.34	3.90	0.98	10.61	3.42	2.73	1
11.16	3.83	0.96	10.61	3.41	2.67	1
10.98	3.76	0.95	10.61	3.40	2.62	1
10.80	3.70	0.93	10.61	3.39	2.57	1
10.62	3.63	0.91	10.61	3.37	2.53	1
10.44	3.56	0.90	10.61	3.36	2.51	1
10.26	3.49	0.88	10.61	3.35	2.48	1
10.08	3.42	0.87	10.61	3.34	2.46	1
9.90	3.36	0.85	10.61	3.33	2.43	1
9.72	3.29	0.84	10.61	3.32	2.41	1
9.54	3.22	0.82	10.61	3.31	2.38	1
9.36	3.16	0.81	10.61	3.29	2.36	1
9.18	3.09	0.79	10.61	3.28	2.33	1
9.00	3.02	0.78	10.61	3.27	2.31	1
9.00	3.02	0.78	10.61	3.27	2.31	1
8.82	2.96	0.76	10.61	3.26	2.28	1
8.64	2.89	0.74	10.61	3.25	2.26	1
8.46	2.83	0.73	10.61	3.24	2.23	1
8.28	2.76	0.71	10.61	3.23	2.21	1
8.10	2.70	0.70	10.61	3.22	2.18	1
7.92	2.63	0.68	10.61	3.21	2.16	1
7.74	2.56	0.67	10.61	3.20	2.15	1
7.56	2.50	0.65	10.61	3.19	2.14	1
7.38	2.43	0.64	10.61	3.17	2.13	1
7.20	2.37	0.62	10.61	3.16	2.12	1
7.02	2.31	0.60	10.61	3.15	2.10	1
6.84	2.24	0.59	10.61	3.14	2.09	1
6.66	2.18	0.57	10.61	3.13	2.08	1
6.48	2.11	0.56	10.61	3.12	2.07	1
6.30	2.05	0.54	10.61	3.10	2.05	1
6.12	1.99	0.53	10.61	3.09	2.04	1
5.94	1.92	0.51	10.61	3.08	2.03	1
5.76	1.86	0.50	10.61	3.07	2.02	1
5.58	1.80	0.48	10.61	3.05	2.00	1
5.40	1.73	0.47	10.61	3.04	1.99	1
5.22	1.67	0.45	10.61	3.02	1.98	1
5.04	1.61	0.43	10.61	3.01	1.97	1
4.86	1.55	0.42	10.61	2.99	1.95	1
4.68	1.49	0.40	10.61	2.97	1.94	1
4.50	1.42	0.39	10.61	2.95	1.93	1
4.50	1.42	0.39	10.61	2.95	1.93	1
4.32	1.36	0.37	10.61	2.94	1.92	1
4.14	1.30	0.36	10.61	2.92	1.90	1
3.96	1.24	0.34	10.61	2.90	1.89	1
3.78	1.18	0.33	10.61	2.88	1.88	1
3.60	1.12	0.31	10.61	2.86	1.87	1
3.42	1.06	0.29	10.61	2.84	1.85	1
3.24	1.00	0.28	10.61	2.82	1.84	1
3.06	0.94	0.26	10.61	2.79	1.83	1
2.88	0.88	0.25	10.61	2.77	1.82	1
2.70	0.83	0.23	10.61	2.75	1.80	1
2.52	0.77	0.22	10.61	2.72	1.79	1
2.34	0.71	0.20	10.61	2.70	1.78	1
2.16	0.65	0.19	10.61	2.67	1.78	1
1.98	0.60	0.17	10.61	2.65	1.77	1
1.80	0.54	0.16	10.61	2.62	1.77	1
1.62	0.49	0.14	10.61	2.59	1.76	1
1.44	0.43	0.12	10.61	2.57	1.75	1
1.26	0.37	0.11	10.61	2.54	1.75	1
1.08	0.32	0.09	10.61	2.51	1.74	1

			B145.pso			
0.90	0.27	0.08	10.61	2.49	1.74	1
0.72	0.21	0.06	10.61	2.46	1.73	1
0.54	0.16	0.05	10.61	2.44	1.72	1
0.36	0.11	0.03	10.61	2.41	1.72	1
0.18	0.05	0.02	10.61	2.39	1.71	1
0.00	0.00	0.00	10.61	2.36	1.70	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.79	0.00	0.00	0.00	0.00	0.00	1
4.68	8.96	1.63	7.32	7.32	0.00	1
4.60	15.32	3.00	12.33	12.05	0.27	1
4.53	21.50	3.75	17.75	16.60	1.15	1
4.46	27.59	4.16	23.42	21.05	2.38	1
4.39	33.62	4.40	29.22	25.45	3.77	1
4.32	39.63	4.55	35.07	29.82	5.26	1
4.25	45.61	4.66	40.95	34.17	6.78	1
4.18	51.58	4.75	46.83	38.50	8.33	1
4.11	57.53	4.83	52.70	42.82	9.88	1
4.04	63.47	4.91	58.57	47.12	11.44	1
3.97	69.40	4.98	64.43	51.42	13.01	1
3.90	75.32	5.11	70.21	55.70	14.51	1
3.83	81.23	5.27	75.96	59.97	15.98	1
3.76	87.12	5.43	81.70	64.23	17.46	1
3.70	93.01	5.58	87.43	68.48	18.94	1
3.63	98.88	5.74	93.14	72.72	20.42	1
3.56	104.74	5.89	98.85	76.95	21.91	1
3.49	110.59	6.04	104.55	81.16	23.39	1
3.42	116.43	6.19	110.24	85.37	24.87	1
3.36	122.26	6.34	115.92	89.56	26.36	1
3.29	128.07	6.49	121.59	93.74	27.85	1
3.22	133.88	6.63	127.25	97.91	29.34	1
3.16	139.68	6.78	132.90	102.07	30.82	1
3.09	145.46	6.92	138.54	106.22	32.32	1
3.02	151.23	7.07	144.17	110.36	33.81	1
3.02	151.23	7.07	144.17	110.36	33.81	1
2.96	157.00	7.21	149.78	114.49	35.30	1
2.89	162.75	7.36	155.39	118.61	36.79	1
2.83	168.49	7.50	160.99	122.71	38.28	1
2.76	174.22	7.64	166.58	126.81	39.77	1
2.70	179.95	7.79	172.16	130.90	41.26	1
2.63	185.66	7.93	177.73	134.97	42.75	1
2.56	191.36	8.07	183.28	139.04	44.24	1
2.50	197.04	8.22	188.82	143.09	45.73	1
2.43	202.72	8.37	194.36	147.13	47.22	1
2.37	208.39	8.52	199.88	151.17	48.71	1
2.31	214.05	8.67	205.38	155.19	50.19	1
2.24	219.69	8.82	210.88	159.20	51.68	1
2.18	225.33	8.97	216.36	163.20	53.16	1
2.11	230.95	9.13	221.82	167.19	54.64	1
2.05	236.56	9.29	227.27	171.16	56.11	1
1.99	242.16	9.45	232.71	175.13	57.58	1
1.92	247.75	9.62	238.13	179.08	59.05	1
1.86	253.32	9.80	243.53	183.02	60.51	1
1.80	258.89	9.98	248.91	186.95	61.96	1
1.73	264.43	10.38	254.06	190.86	63.20	1
1.67	269.97	10.83	259.14	194.76	64.38	1
1.61	275.49	11.30	264.18	198.64	65.54	1
1.55	280.99	11.80	269.19	202.51	66.68	1
1.49	286.48	12.31	274.16	206.36	67.80	1
1.42	291.95	12.85	279.09	210.20	68.90	1

			B145.pso			
1.42	291.95	12.85	279.09	210.20	68.90	1
1.36	297.40	13.39	284.01	214.01	70.00	1
1.30	302.83	13.95	288.89	217.81	71.07	1
1.24	308.25	14.53	293.72	221.60	72.13	1
1.18	313.65	15.13	298.52	225.36	73.16	1
1.12	319.02	15.75	303.28	229.10	74.18	1
1.06	324.38	16.39	308.00	232.82	75.17	1
1.00	329.72	17.05	312.67	236.53	76.15	1
0.94	335.03	17.72	317.31	240.21	77.11	1
0.88	340.33	18.42	321.91	243.86	78.05	1
0.83	345.60	19.13	326.47	247.50	78.97	1
0.77	350.84	19.85	330.99	251.11	79.88	1
0.71	356.07	20.59	335.48	254.70	80.78	1
0.65	361.27	21.35	339.92	258.26	81.66	1
0.60	366.44	22.11	344.33	261.80	82.52	1
0.54	371.59	22.89	348.70	265.32	83.38	1
0.49	376.72	23.69	353.03	268.81	84.22	1
0.43	381.82	24.49	357.33	272.27	85.06	1
0.37	386.89	25.65	361.24	275.71	85.53	1
0.32	391.94	27.41	364.53	279.12	85.40	1
0.27	396.96	29.14	367.82	282.51	85.31	1
0.21	401.95	30.83	371.12	285.87	85.25	1
0.16	406.92	32.48	374.44	289.21	85.24	1
0.11	411.87	34.09	377.78	292.52	85.26	1
0.05	416.80	35.66	381.14	295.81	85.33	1
0.00	421.70	37.19	384.51	299.07	85.44	1

Time = 30. Degree of Consolidation = 90.0%

Total Settlement = 8.707

Settlement at End of Primary Consolidation = 9.692

Settlement caused by Primary Consolidation at time 30. = 8.707

Settlement caused by Secondary Compression at time 30. = 0.000

Surface Elevation = 3.29

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	6.01	1.42	10.61	10.61	10.61	1
16.38	5.93	1.41	10.61	4.28	4.28	1
16.26	5.88	1.40	10.61	3.93	3.90	1
16.14	5.83	1.39	10.61	3.93	3.72	1
16.02	5.78	1.38	10.61	3.93	3.54	1
15.90	5.73	1.37	10.61	3.93	3.40	1
15.78	5.67	1.36	10.61	3.93	3.31	1
15.66	5.62	1.35	10.61	3.93	3.23	1
15.54	5.57	1.34	10.61	3.93	3.15	1
15.42	5.52	1.33	10.61	3.92	3.06	1
15.30	5.47	1.32	10.61	3.92	3.02	1
15.18	5.42	1.31	10.61	3.92	2.98	1
15.06	5.37	1.30	10.61	3.91	2.95	1
14.94	5.32	1.29	10.61	3.90	2.91	1

			B145.pso			
14.82	5.27	1.28	10.61	3.89	2.87	1
14.70	5.22	1.27	10.61	3.88	2.84	1
14.58	5.17	1.26	10.61	3.87	2.80	1
14.46	5.12	1.25	10.61	3.85	2.77	1
14.34	5.07	1.24	10.61	3.83	2.73	1
14.22	5.02	1.22	10.61	3.81	2.69	1
14.10	4.97	1.21	10.61	3.79	2.66	1
13.98	4.92	1.20	10.61	3.76	2.62	1
13.86	4.87	1.19	10.61	3.74	2.58	1
13.74	4.82	1.18	10.61	3.71	2.55	1
13.62	4.77	1.17	10.61	3.68	2.53	1
13.50	4.72	1.16	10.61	3.66	2.52	1
13.50	4.72	1.16	10.61	3.66	2.52	1
13.32	4.65	1.15	10.61	3.62	2.49	1
13.14	4.58	1.13	10.61	3.58	2.47	1
12.96	4.51	1.12	10.61	3.55	2.44	1
12.78	4.44	1.10	10.61	3.52	2.42	1
12.60	4.37	1.09	10.61	3.49	2.39	1
12.42	4.30	1.07	10.61	3.48	2.37	1
12.24	4.23	1.05	10.61	3.46	2.34	1
12.06	4.16	1.04	10.61	3.44	2.32	1
11.88	4.09	1.02	10.61	3.43	2.29	1
11.70	4.02	1.01	10.61	3.42	2.27	1
11.52	3.96	0.99	10.61	3.41	2.24	1
11.34	3.89	0.98	10.61	3.40	2.22	1
11.16	3.82	0.96	10.61	3.39	2.19	1
10.98	3.75	0.95	10.61	3.37	2.17	1
10.80	3.68	0.93	10.61	3.36	2.16	1
10.62	3.62	0.91	10.61	3.35	2.14	1
10.44	3.55	0.90	10.61	3.34	2.13	1
10.26	3.48	0.88	10.61	3.33	2.12	1
10.08	3.41	0.87	10.61	3.32	2.11	1
9.90	3.35	0.85	10.61	3.31	2.09	1
9.72	3.28	0.84	10.61	3.30	2.08	1
9.54	3.21	0.82	10.61	3.29	2.07	1
9.36	3.15	0.81	10.61	3.28	2.06	1
9.18	3.08	0.79	10.61	3.27	2.04	1
9.00	3.02	0.78	10.61	3.26	2.03	1
9.00	3.02	0.78	10.61	3.26	2.03	1
8.82	2.95	0.76	10.61	3.25	2.02	1
8.64	2.88	0.74	10.61	3.23	2.01	1
8.46	2.82	0.73	10.61	3.22	1.99	1
8.28	2.75	0.71	10.61	3.21	1.98	1
8.10	2.69	0.70	10.61	3.20	1.97	1
7.92	2.62	0.68	10.61	3.19	1.96	1
7.74	2.56	0.67	10.61	3.18	1.95	1
7.56	2.49	0.65	10.61	3.17	1.93	1
7.38	2.43	0.64	10.61	3.16	1.92	1
7.20	2.36	0.62	10.61	3.15	1.91	1
7.02	2.30	0.60	10.61	3.14	1.90	1
6.84	2.24	0.59	10.61	3.13	1.88	1
6.66	2.17	0.57	10.61	3.12	1.87	1
6.48	2.11	0.56	10.61	3.10	1.86	1
6.30	2.04	0.54	10.61	3.09	1.85	1
6.12	1.98	0.53	10.61	3.08	1.83	1
5.94	1.92	0.51	10.61	3.07	1.82	1
5.76	1.86	0.50	10.61	3.05	1.81	1
5.58	1.79	0.48	10.61	3.04	1.80	1
5.40	1.73	0.47	10.61	3.02	1.79	1
5.22	1.67	0.45	10.61	3.01	1.78	1
5.04	1.61	0.43	10.61	2.99	1.77	1
4.86	1.54	0.42	10.61	2.98	1.77	1
4.68	1.48	0.40	10.61	2.96	1.76	1

			B145.pso			
4.50	1.42	0.39	10.61	2.94	1.76	1
4.50	1.42	0.39	10.61	2.94	1.76	1
4.32	1.36	0.37	10.61	2.92	1.75	1
4.14	1.30	0.36	10.61	2.91	1.74	1
3.96	1.24	0.34	10.61	2.89	1.74	1
3.78	1.18	0.33	10.61	2.87	1.73	1
3.60	1.12	0.31	10.61	2.85	1.72	1
3.42	1.06	0.29	10.61	2.82	1.72	1
3.24	1.00	0.28	10.61	2.80	1.71	1
3.06	0.94	0.26	10.61	2.78	1.71	1
2.88	0.88	0.25	10.61	2.76	1.70	1
2.70	0.82	0.23	10.61	2.74	1.69	1
2.52	0.77	0.22	10.61	2.71	1.69	1
2.34	0.71	0.20	10.61	2.69	1.68	1
2.16	0.65	0.19	10.61	2.66	1.68	1
1.98	0.60	0.17	10.61	2.64	1.67	1
1.80	0.54	0.16	10.61	2.61	1.66	1
1.62	0.48	0.14	10.61	2.59	1.66	1
1.44	0.43	0.12	10.61	2.56	1.65	1
1.26	0.37	0.11	10.61	2.53	1.64	1
1.08	0.32	0.09	10.61	2.51	1.64	1
0.90	0.27	0.08	10.61	2.48	1.63	1
0.72	0.21	0.06	10.61	2.46	1.63	1
0.54	0.16	0.05	10.61	2.43	1.62	1
0.36	0.10	0.03	10.61	2.41	1.61	1
0.18	0.05	0.02	10.61	2.38	1.61	1
0.00	0.00	0.00	10.61	2.36	1.60	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
6.01	0.00	0.00	0.00	0.00	0.00	1
5.93	6.06	1.09	4.97	4.97	0.00	1
5.88	10.41	2.00	8.41	8.23	0.18	1
5.83	14.68	2.00	12.68	11.41	1.27	1
5.78	18.95	2.00	16.95	14.59	2.36	1
5.73	23.22	2.00	21.21	17.77	3.45	1
5.67	27.49	2.01	25.48	20.95	4.53	1
5.62	31.75	2.01	29.74	24.12	5.62	1
5.57	36.02	2.02	34.00	27.30	6.70	1
5.52	40.29	2.04	38.25	30.48	7.77	1
5.47	44.55	2.06	42.49	33.65	8.84	1
5.42	48.81	2.09	46.73	36.82	9.90	1
5.37	53.07	2.12	50.95	39.99	10.96	1
5.32	57.33	2.17	55.16	43.16	12.00	1
5.27	61.57	2.23	59.34	46.31	13.03	1
5.22	65.82	2.30	63.51	49.47	14.05	1
5.17	70.05	2.39	67.66	52.61	15.05	1
5.12	74.27	2.49	71.79	55.74	16.04	1
5.07	78.48	2.60	75.88	58.86	17.02	1
5.02	82.68	2.72	79.96	61.97	17.99	1
4.97	86.87	2.86	84.00	65.07	18.94	1
4.92	91.04	3.01	88.03	68.15	19.88	1
4.87	95.19	3.16	92.03	71.21	20.82	1
4.82	99.32	3.32	96.00	74.25	21.75	1
4.77	103.44	3.48	99.96	77.28	22.68	1
4.72	107.55	3.64	103.90	80.30	23.61	1
4.72	107.55	3.64	103.90	80.30	23.61	1
4.65	113.67	3.88	109.79	84.78	25.00	1
4.58	119.75	4.10	115.65	89.23	26.42	1
4.51	125.80	4.30	121.50	93.64	27.85	1
4.44	131.82	4.47	127.35	98.03	29.32	1

4.37	137.81	4.61	B145.pso 133.20	102.39	30.81	1
4.30	143.79	4.73	139.06	106.73	32.33	1
4.23	149.74	4.83	144.92	111.05	33.87	1
4.16	155.68	4.91	150.77	115.35	35.42	1
4.09	161.61	4.99	156.62	119.65	36.98	1
4.02	167.53	5.14	162.39	123.93	38.46	1
3.96	173.43	5.29	168.14	128.20	39.94	1
3.89	179.33	5.44	173.89	132.46	41.43	1
3.82	185.21	5.59	179.62	136.71	42.91	1
3.75	191.08	5.74	185.34	140.94	44.40	1
3.68	196.94	5.88	191.06	145.17	45.89	1
3.62	202.79	6.03	196.77	149.39	47.38	1
3.55	208.63	6.17	202.46	153.59	48.87	1
3.48	214.46	6.32	208.15	157.78	50.36	1
3.41	220.28	6.46	213.83	161.97	51.86	1
3.35	226.09	6.60	219.49	166.14	53.35	1
3.28	231.89	6.74	225.15	170.30	54.85	1
3.21	237.68	6.88	230.80	174.46	56.34	1
3.15	243.45	7.02	236.44	178.60	57.84	1
3.08	249.22	7.15	242.07	182.73	59.34	1
3.02	254.98	7.29	247.69	186.86	60.83	1
3.02	254.98	7.29	247.69	186.86	60.83	1
2.95	260.73	7.43	253.30	190.97	62.33	1
2.88	266.46	7.57	258.90	195.07	63.83	1
2.82	272.19	7.71	264.48	199.16	65.32	1
2.75	277.91	7.84	270.06	203.24	66.82	1
2.69	283.61	7.98	275.63	207.31	68.32	1
2.62	289.31	8.12	281.19	211.38	69.81	1
2.56	295.00	8.26	286.73	215.43	71.31	1
2.49	300.67	8.40	292.27	219.47	72.80	1
2.43	306.34	8.55	297.79	223.50	74.29	1
2.36	311.99	8.69	303.30	227.52	75.78	1
2.30	317.64	8.84	308.80	231.53	77.27	1
2.24	323.27	8.99	314.28	235.52	78.76	1
2.17	328.89	9.14	319.75	239.51	80.24	1
2.11	334.50	9.29	325.21	243.49	81.72	1
2.04	340.10	9.45	330.65	247.45	83.20	1
1.98	345.69	9.62	336.07	251.40	84.67	1
1.92	351.26	9.78	341.48	255.34	86.13	1
1.86	356.83	9.96	346.87	259.27	87.60	1
1.79	362.37	10.32	352.06	263.19	88.87	1
1.73	367.91	10.75	357.16	267.09	90.07	1
1.67	373.43	11.21	362.22	270.97	91.25	1
1.61	378.94	11.69	367.25	274.85	92.41	1
1.54	384.43	12.18	372.24	278.70	93.54	1
1.48	389.90	12.70	377.20	282.54	94.66	1
1.42	395.36	13.24	382.12	286.36	95.76	1
1.42	395.36	13.24	382.12	286.36	95.76	1
1.36	400.80	13.77	387.03	290.17	96.86	1
1.30	406.22	14.33	391.89	293.96	97.94	1
1.24	411.63	14.91	396.72	297.72	99.00	1
1.18	417.01	15.50	401.51	301.47	100.04	1
1.12	422.38	16.12	406.26	305.21	101.06	1
1.06	427.72	16.75	410.97	308.92	102.06	1
1.00	433.05	17.40	415.65	312.61	103.04	1
0.94	438.35	18.07	420.29	316.28	104.01	1
0.88	443.64	18.75	424.89	319.92	104.96	1
0.82	448.90	19.45	429.45	323.55	105.90	1
0.77	454.13	20.16	433.97	327.15	106.82	1
0.71	459.35	20.89	438.46	330.73	107.73	1
0.65	464.54	21.62	442.91	334.28	108.63	1
0.60	469.70	22.38	447.33	337.81	109.51	1
0.54	474.84	23.14	451.71	341.32	110.38	1

			B145.pso			
0.48	479.96	23.91	456.05	344.80	111.25	1
0.43	485.05	24.70	460.36	348.26	112.10	1
0.37	490.12	26.07	464.05	351.69	112.36	1
0.32	495.16	27.78	467.38	355.10	112.28	1
0.27	500.18	29.47	470.71	358.48	112.23	1
0.21	505.17	31.12	474.04	361.84	112.21	1
0.16	510.14	32.74	477.39	365.17	112.22	1
0.10	515.08	34.33	480.75	368.48	112.28	1
0.05	520.00	35.88	484.12	371.76	112.36	1
0.00	524.90	37.39	487.51	375.03	112.48	1

Time = 31. Degree of Consolidation = 87.0%

Total Settlement = 10.490

Settlement at End of Primary Consolidation = 12.018

Settlement caused by Primary Consolidation at time 31. = 10.490

Settlement caused by Secondary Compression at time 31. = 0.000

Surface Elevation = 4.51

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	5.72	1.42	10.61	10.61	10.61	1
16.38	5.64	1.41	10.61	4.28	4.28	1
16.26	5.59	1.40	10.61	3.90	3.90	1
16.14	5.54	1.39	10.61	3.73	3.72	1
16.02	5.49	1.38	10.61	3.61	3.54	1
15.90	5.44	1.37	10.61	3.53	3.40	1
15.78	5.40	1.36	10.61	3.48	3.31	1
15.66	5.35	1.35	10.61	3.44	3.23	1
15.54	5.30	1.34	10.61	3.41	3.15	1
15.42	5.26	1.33	10.61	3.39	3.06	1
15.30	5.21	1.32	10.61	3.37	3.02	1
15.18	5.17	1.31	10.61	3.36	2.98	1
15.06	5.12	1.30	10.61	3.35	2.95	1
14.94	5.08	1.29	10.61	3.34	2.91	1
14.82	5.03	1.28	10.61	3.33	2.87	1
14.70	4.99	1.27	10.61	3.33	2.84	1
14.58	4.94	1.26	10.61	3.32	2.80	1
14.46	4.90	1.25	10.61	3.32	2.77	1
14.34	4.85	1.24	10.61	3.31	2.73	1
14.22	4.81	1.22	10.61	3.31	2.69	1
14.10	4.77	1.21	10.61	3.30	2.66	1
13.98	4.72	1.20	10.61	3.30	2.62	1
13.86	4.68	1.19	10.61	3.29	2.58	1
13.74	4.63	1.18	10.61	3.29	2.55	1
13.62	4.59	1.17	10.61	3.28	2.53	1
13.50	4.54	1.16	10.61	3.28	2.52	1
13.50	4.54	1.16	10.61	3.28	2.52	1
13.32	4.48	1.15	10.61	3.27	2.49	1
13.14	4.41	1.13	10.61	3.26	2.47	1
12.96	4.35	1.12	10.61	3.26	2.44	1

12.78	4.28	1.10	B145.pso 10.61	3.25	2.42	1
12.60	4.21	1.09	10.61	3.24	2.39	1
12.42	4.15	1.07	10.61	3.24	2.37	1
12.24	4.08	1.05	10.61	3.23	2.34	1
12.06	4.02	1.04	10.61	3.22	2.32	1
11.88	3.95	1.02	10.61	3.22	2.29	1
11.70	3.89	1.01	10.61	3.21	2.27	1
11.52	3.82	0.99	10.61	3.20	2.24	1
11.34	3.76	0.98	10.61	3.20	2.22	1
11.16	3.69	0.96	10.61	3.19	2.19	1
10.98	3.63	0.95	10.61	3.18	2.17	1
10.80	3.56	0.93	10.61	3.17	2.16	1
10.62	3.50	0.91	10.61	3.17	2.14	1
10.44	3.43	0.90	10.61	3.16	2.13	1
10.26	3.37	0.88	10.61	3.15	2.12	1
10.08	3.30	0.87	10.61	3.15	2.11	1
9.90	3.24	0.85	10.61	3.14	2.09	1
9.72	3.17	0.84	10.61	3.13	2.08	1
9.54	3.11	0.82	10.61	3.12	2.07	1
9.36	3.05	0.81	10.61	3.12	2.06	1
9.18	2.98	0.79	10.61	3.11	2.04	1
9.00	2.92	0.78	10.61	3.10	2.03	1
9.00	2.92	0.78	10.61	3.10	2.03	1
8.82	2.86	0.76	10.61	3.09	2.02	1
8.64	2.79	0.74	10.61	3.08	2.01	1
8.46	2.73	0.73	10.61	3.08	1.99	1
8.28	2.67	0.71	10.61	3.07	1.98	1
8.10	2.60	0.70	10.61	3.06	1.97	1
7.92	2.54	0.68	10.61	3.05	1.96	1
7.74	2.48	0.67	10.61	3.04	1.95	1
7.56	2.42	0.65	10.61	3.03	1.93	1
7.38	2.35	0.64	10.61	3.02	1.92	1
7.20	2.29	0.62	10.61	3.01	1.91	1
7.02	2.23	0.60	10.61	3.00	1.90	1
6.84	2.17	0.59	10.61	2.98	1.88	1
6.66	2.11	0.57	10.61	2.97	1.87	1
6.48	2.04	0.56	10.61	2.96	1.86	1
6.30	1.98	0.54	10.61	2.95	1.85	1
6.12	1.92	0.53	10.61	2.93	1.83	1
5.94	1.86	0.51	10.61	2.92	1.82	1
5.76	1.80	0.50	10.61	2.91	1.81	1
5.58	1.74	0.48	10.61	2.89	1.80	1
5.40	1.68	0.47	10.61	2.88	1.79	1
5.22	1.62	0.45	10.61	2.86	1.78	1
5.04	1.56	0.43	10.61	2.85	1.77	1
4.86	1.50	0.42	10.61	2.83	1.77	1
4.68	1.44	0.40	10.61	2.81	1.76	1
4.50	1.38	0.39	10.61	2.80	1.76	1
4.50	1.38	0.39	10.61	2.80	1.76	1
4.32	1.32	0.37	10.61	2.78	1.75	1
4.14	1.26	0.36	10.61	2.76	1.74	1
3.96	1.21	0.34	10.61	2.75	1.74	1
3.78	1.15	0.33	10.61	2.73	1.73	1
3.60	1.09	0.31	10.61	2.71	1.72	1
3.42	1.03	0.29	10.61	2.69	1.72	1
3.24	0.98	0.28	10.61	2.68	1.71	1
3.06	0.92	0.26	10.61	2.66	1.71	1
2.88	0.86	0.25	10.61	2.64	1.70	1
2.70	0.81	0.23	10.61	2.62	1.69	1
2.52	0.75	0.22	10.61	2.60	1.69	1
2.34	0.69	0.20	10.61	2.58	1.68	1
2.16	0.64	0.19	10.61	2.56	1.68	1
1.98	0.58	0.17	10.61	2.54	1.67	1

			B145.pso			
1.80	0.53	0.16	10.61	2.52	1.66	1
1.62	0.48	0.14	10.61	2.50	1.66	1
1.44	0.42	0.12	10.61	2.48	1.65	1
1.26	0.37	0.11	10.61	2.46	1.64	1
1.08	0.31	0.09	10.61	2.44	1.64	1
0.90	0.26	0.08	10.61	2.42	1.63	1
0.72	0.21	0.06	10.61	2.39	1.63	1
0.54	0.16	0.05	10.61	2.37	1.62	1
0.36	0.10	0.03	10.61	2.35	1.61	1
0.18	0.05	0.02	10.61	2.33	1.61	1
0.00	0.00	0.00	10.61	2.31	1.60	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
5.72	0.00	0.00	0.00	0.00	0.00	1
5.64	6.06	1.09	4.97	4.97	0.00	1
5.59	10.41	2.18	8.23	8.23	0.00	1
5.54	14.60	3.21	11.39	11.33	0.06	1
5.49	18.70	3.91	14.80	14.34	0.45	1
5.44	22.74	4.38	18.36	17.29	1.07	1
5.40	26.74	4.72	22.02	20.20	1.82	1
5.35	30.70	4.96	25.74	23.07	2.67	1
5.30	34.64	5.29	29.36	25.92	3.43	1
5.26	38.57	5.56	33.01	28.76	4.25	1
5.21	42.48	5.77	36.71	31.58	5.13	1
5.17	46.39	5.93	40.46	34.40	6.06	1
5.12	50.29	6.06	44.22	37.21	7.02	1
5.08	54.18	6.17	48.01	40.01	8.00	1
5.03	58.07	6.26	51.80	42.81	9.00	1
4.99	61.95	6.35	55.60	45.60	10.00	1
4.94	65.83	6.43	59.40	48.39	11.01	1
4.90	69.70	6.50	63.21	51.17	12.03	1
4.85	73.58	6.57	67.01	53.96	13.05	1
4.81	77.44	6.63	70.81	56.73	14.08	1
4.77	81.31	6.70	74.61	59.51	15.10	1
4.72	85.17	6.76	78.41	62.28	16.13	1
4.68	89.03	6.82	82.21	65.05	17.16	1
4.63	92.89	6.88	86.01	67.82	18.19	1
4.59	96.74	6.94	89.80	70.58	19.22	1
4.54	100.59	7.00	93.59	73.34	20.25	1
4.54	100.59	7.00	93.59	73.34	20.25	1
4.48	106.36	7.09	99.27	77.48	21.79	1
4.41	112.13	7.18	104.94	81.61	23.34	1
4.35	117.88	7.27	110.61	85.73	24.88	1
4.28	123.63	7.36	116.27	89.84	26.43	1
4.21	129.38	7.45	121.92	93.95	27.97	1
4.15	135.11	7.54	127.57	98.05	29.52	1
4.08	140.84	7.63	133.21	102.15	31.06	1
4.02	146.57	7.72	138.85	106.24	32.61	1
3.95	152.29	7.81	144.47	110.32	34.15	1
3.89	158.00	7.90	150.10	114.40	35.70	1
3.82	163.70	7.99	155.71	118.47	37.24	1
3.76	169.40	8.08	161.32	122.53	38.79	1
3.69	175.09	8.17	166.92	126.58	40.33	1
3.63	180.77	8.26	172.51	130.63	41.87	1
3.56	186.45	8.36	178.09	134.68	43.42	1
3.50	192.12	8.45	183.67	138.71	44.96	1
3.43	197.78	8.54	189.24	142.74	46.50	1
3.37	203.44	8.64	194.80	146.76	48.04	1
3.30	209.09	8.73	200.36	150.78	49.58	1
3.24	214.73	8.83	205.90	154.78	51.12	1

			B145.pso			
3.17	220.37	8.93	211.44	158.78	52.65	1
3.11	226.00	9.03	216.97	162.78	54.19	1
3.05	231.62	9.13	222.49	166.76	55.72	1
2.98	237.23	9.23	228.00	170.74	57.26	1
2.92	242.84	9.34	233.50	174.71	58.79	1
2.92	242.84	9.34	233.50	174.71	58.79	1
2.86	248.43	9.44	238.99	178.68	60.32	1
2.79	254.02	9.55	244.47	182.63	61.84	1
2.73	259.61	9.66	249.95	186.58	63.37	1
2.67	265.18	9.78	255.41	190.52	64.89	1
2.60	270.75	9.89	260.85	194.45	66.41	1
2.54	276.30	10.04	266.27	198.37	67.90	1
2.48	281.85	10.33	271.52	202.28	69.24	1
2.42	287.39	10.63	276.75	206.18	70.57	1
2.35	292.92	10.95	281.96	210.08	71.89	1
2.29	298.43	11.28	287.15	213.96	73.19	1
2.23	303.94	11.62	292.31	217.83	74.48	1
2.17	309.43	11.98	297.45	221.69	75.76	1
2.11	314.92	12.35	302.57	225.54	77.03	1
2.04	320.39	12.72	307.66	229.37	78.29	1
1.98	325.85	13.11	312.73	233.20	79.53	1
1.92	331.29	13.52	317.78	237.01	80.77	1
1.86	336.73	13.93	322.80	240.81	81.99	1
1.80	342.15	14.35	327.80	244.59	83.20	1
1.74	347.55	14.78	332.77	248.36	84.41	1
1.68	352.94	15.23	337.72	252.12	85.60	1
1.62	358.32	15.68	342.64	255.86	86.78	1
1.56	363.68	16.14	347.54	259.59	87.95	1
1.50	369.03	16.61	352.42	263.30	89.12	1
1.44	374.36	17.09	357.27	267.00	90.27	1
1.38	379.68	17.58	362.10	270.68	91.42	1
1.38	379.68	17.58	362.10	270.68	91.42	1
1.32	384.98	18.07	366.91	274.35	92.56	1
1.26	390.27	18.57	371.69	278.00	93.70	1
1.21	395.53	19.08	376.45	281.63	94.82	1
1.15	400.79	19.60	381.19	285.25	95.94	1
1.09	406.02	20.13	385.89	288.85	97.05	1
1.03	411.24	20.66	390.58	292.43	98.14	1
0.98	416.44	21.21	395.23	296.00	99.23	1
0.92	421.62	21.76	399.86	299.54	100.31	1
0.86	426.79	22.33	404.46	303.07	101.39	1
0.81	431.93	22.90	409.03	306.58	102.45	1
0.75	437.06	23.49	413.57	310.08	103.50	1
0.69	442.17	24.08	418.09	313.55	104.54	1
0.64	447.26	24.69	422.57	317.01	105.56	1
0.58	452.33	25.67	426.65	320.44	106.21	1
0.53	457.38	27.04	430.34	323.85	106.48	1
0.48	462.41	28.41	434.00	327.25	106.75	1
0.42	467.42	29.77	437.64	330.62	107.02	1
0.37	472.41	31.14	441.26	333.98	107.29	1
0.31	477.37	32.51	444.87	337.31	107.56	1
0.26	482.32	33.87	448.45	340.63	107.83	1
0.21	487.25	35.24	452.02	343.92	108.10	1
0.16	492.16	36.60	455.56	347.19	108.37	1
0.10	497.05	37.96	459.09	350.45	108.64	1
0.05	501.92	39.33	462.59	353.68	108.91	1
0.00	506.77	40.69	466.07	356.89	109.18	1

Time = 45. Degree of Consolidation = 90.0%

Total Settlement = 10.781

Settlement at End of Primary Consolidation = 12.018

B145.pso

Settlement caused by Primary Consolidation at time 45. = 10.781

Settlement caused by Secondary Compression at time 45. = 0.000

Surface Elevation = 4.22

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	5.47	1.42	10.61	10.61	10.61	1
16.38	5.39	1.41	10.61	4.28	4.28	1
16.26	5.34	1.40	10.61	3.90	3.90	1
16.14	5.29	1.39	10.61	3.72	3.72	1
16.02	5.24	1.38	10.61	3.57	3.54	1
15.90	5.20	1.37	10.61	3.46	3.40	1
15.78	5.15	1.36	10.61	3.38	3.31	1
15.66	5.10	1.35	10.61	3.32	3.23	1
15.54	5.06	1.34	10.61	3.27	3.15	1
15.42	5.02	1.33	10.61	3.24	3.06	1
15.30	4.97	1.32	10.61	3.22	3.02	1
15.18	4.93	1.31	10.61	3.20	2.98	1
15.06	4.89	1.30	10.61	3.18	2.95	1
14.94	4.84	1.29	10.61	3.16	2.91	1
14.82	4.80	1.28	10.61	3.15	2.87	1
14.70	4.76	1.27	10.61	3.14	2.84	1
14.58	4.71	1.26	10.61	3.13	2.80	1
14.46	4.67	1.25	10.61	3.13	2.77	1
14.34	4.63	1.24	10.61	3.12	2.73	1
14.22	4.59	1.22	10.61	3.11	2.69	1
14.10	4.54	1.21	10.61	3.11	2.66	1
13.98	4.50	1.20	10.61	3.10	2.62	1
13.86	4.46	1.19	10.61	3.10	2.58	1
13.74	4.42	1.18	10.61	3.09	2.55	1
13.62	4.37	1.17	10.61	3.09	2.53	1
13.50	4.33	1.16	10.61	3.08	2.52	1
13.50	4.33	1.16	10.61	3.08	2.52	1
13.32	4.27	1.15	10.61	3.08	2.49	1
13.14	4.21	1.13	10.61	3.07	2.47	1
12.96	4.14	1.12	10.61	3.06	2.44	1
12.78	4.08	1.10	10.61	3.06	2.42	1
12.60	4.02	1.09	10.61	3.05	2.39	1
12.42	3.95	1.07	10.61	3.04	2.37	1
12.24	3.89	1.05	10.61	3.04	2.34	1
12.06	3.83	1.04	10.61	3.03	2.32	1
11.88	3.77	1.02	10.61	3.03	2.29	1
11.70	3.70	1.01	10.61	3.02	2.27	1
11.52	3.64	0.99	10.61	3.01	2.24	1
11.34	3.58	0.98	10.61	3.00	2.22	1
11.16	3.52	0.96	10.61	3.00	2.19	1
10.98	3.46	0.95	10.61	2.99	2.17	1
10.80	3.39	0.93	10.61	2.98	2.16	1
10.62	3.33	0.91	10.61	2.97	2.14	1
10.44	3.27	0.90	10.61	2.97	2.13	1
10.26	3.21	0.88	10.61	2.96	2.12	1
10.08	3.15	0.87	10.61	2.95	2.11	1

			B145.pso			
9.90	3.09	0.85	10.61	2.94	2.09	1
9.72	3.03	0.84	10.61	2.93	2.08	1
9.54	2.97	0.82	10.61	2.92	2.07	1
9.36	2.90	0.81	10.61	2.91	2.06	1
9.18	2.84	0.79	10.61	2.90	2.04	1
9.00	2.78	0.78	10.61	2.89	2.03	1
9.00	2.78	0.78	10.61	2.89	2.03	1
8.82	2.72	0.76	10.61	2.89	2.02	1
8.64	2.66	0.74	10.61	2.88	2.01	1
8.46	2.60	0.73	10.61	2.87	1.99	1
8.28	2.54	0.71	10.61	2.86	1.98	1
8.10	2.48	0.70	10.61	2.85	1.97	1
7.92	2.42	0.68	10.61	2.84	1.96	1
7.74	2.36	0.67	10.61	2.82	1.95	1
7.56	2.31	0.65	10.61	2.81	1.93	1
7.38	2.25	0.64	10.61	2.80	1.92	1
7.20	2.19	0.62	10.61	2.79	1.91	1
7.02	2.13	0.60	10.61	2.78	1.90	1
6.84	2.07	0.59	10.61	2.77	1.88	1
6.66	2.01	0.57	10.61	2.76	1.87	1
6.48	1.95	0.56	10.61	2.75	1.86	1
6.30	1.90	0.54	10.61	2.74	1.85	1
6.12	1.84	0.53	10.61	2.72	1.83	1
5.94	1.78	0.51	10.61	2.71	1.82	1
5.76	1.72	0.50	10.61	2.70	1.81	1
5.58	1.67	0.48	10.61	2.69	1.80	1
5.40	1.61	0.47	10.61	2.67	1.79	1
5.22	1.55	0.45	10.61	2.66	1.78	1
5.04	1.49	0.43	10.61	2.65	1.77	1
4.86	1.44	0.42	10.61	2.64	1.77	1
4.68	1.38	0.40	10.61	2.62	1.76	1
4.50	1.33	0.39	10.61	2.61	1.76	1
4.50	1.33	0.39	10.61	2.61	1.76	1
4.32	1.27	0.37	10.61	2.60	1.75	1
4.14	1.21	0.36	10.61	2.58	1.74	1
3.96	1.16	0.34	10.61	2.57	1.74	1
3.78	1.10	0.33	10.61	2.55	1.73	1
3.60	1.05	0.31	10.61	2.54	1.72	1
3.42	0.99	0.29	10.61	2.52	1.72	1
3.24	0.94	0.28	10.61	2.51	1.71	1
3.06	0.89	0.26	10.61	2.49	1.71	1
2.88	0.83	0.25	10.61	2.48	1.70	1
2.70	0.78	0.23	10.61	2.46	1.69	1
2.52	0.72	0.22	10.61	2.45	1.69	1
2.34	0.67	0.20	10.61	2.43	1.68	1
2.16	0.62	0.19	10.61	2.42	1.68	1
1.98	0.56	0.17	10.61	2.40	1.67	1
1.80	0.51	0.16	10.61	2.38	1.66	1
1.62	0.46	0.14	10.61	2.37	1.66	1
1.44	0.41	0.12	10.61	2.35	1.65	1
1.26	0.36	0.11	10.61	2.34	1.64	1
1.08	0.30	0.09	10.61	2.32	1.64	1
0.90	0.25	0.08	10.61	2.30	1.63	1
0.72	0.20	0.06	10.61	2.29	1.63	1
0.54	0.15	0.05	10.61	2.27	1.62	1
0.36	0.10	0.03	10.61	2.25	1.61	1
0.18	0.05	0.02	10.61	2.23	1.61	1
0.00	0.00	0.00	10.61	2.22	1.60	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess Material
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5.47	0.00	0.00	B145.pso	0.00	0.00	1
5.39	6.06	1.09		4.97	0.00	1
5.34	10.41	2.18		8.23	0.00	1
5.29	14.60	3.27		11.33	0.00	1
5.24	18.68	4.18		14.50	0.18	1
5.20	22.68	4.85		17.84	0.60	1
5.15	26.62	5.72		20.90	0.82	1
5.10	30.51	6.48		24.03	1.15	1
5.06	34.37	7.04		27.33	1.68	1
5.02	38.21	7.47		30.74	2.34	1
4.97	42.02	7.81		34.21	3.09	1
4.93	45.83	8.08		37.75	3.91	1
4.89	49.62	8.30		41.31	4.78	1
4.84	53.40	8.49		44.91	5.68	1
4.80	57.17	8.65		48.52	6.61	1
4.76	60.93	8.78		52.15	7.57	1
4.71	64.69	8.90		55.79	8.54	1
4.67	68.45	9.00		59.44	9.53	1
4.63	72.20	9.10		63.10	10.52	1
4.59	75.94	9.18		66.76	11.53	1
4.54	79.68	9.26		70.42	12.54	1
4.50	83.42	9.33		74.09	13.56	1
4.46	87.15	9.39		77.76	14.59	1
4.42	90.88	9.46		81.43	15.61	1
4.37	94.61	9.51		85.09	16.64	1
4.33	98.33	9.57		88.76	17.68	1
4.33	98.33	9.57		88.76	17.68	1
4.27	103.91	9.66		94.26	19.23	1
4.21	109.49	9.74		99.75	20.78	1
4.14	115.06	9.82		105.23	22.33	1
4.08	120.62	9.90		110.72	23.88	1
4.02	126.18	9.99		116.19	25.44	1
3.95	131.73	10.16		121.57	26.90	1
3.89	137.27	10.35		126.93	28.35	1
3.83	142.81	10.54		132.27	29.79	1
3.77	148.35	10.74		137.60	31.22	1
3.70	153.87	10.95		142.92	32.65	1
3.64	159.39	11.16		148.23	34.08	1
3.58	164.90	11.38		153.53	35.49	1
3.52	170.41	11.60		158.81	36.91	1
3.46	175.91	11.82		164.08	38.32	1
3.39	181.40	12.05		169.34	39.72	1
3.33	186.88	12.29		174.59	41.12	1
3.27	192.36	12.53		179.82	42.51	1
3.21	197.82	12.78		185.04	43.90	1
3.15	203.28	13.04		190.25	45.28	1
3.09	208.73	13.29		195.44	46.66	1
3.03	214.18	13.56		200.62	48.03	1
2.97	219.61	13.83		205.78	49.39	1
2.90	225.04	14.10		210.94	50.76	1
2.84	230.45	14.38		216.07	52.11	1
2.78	235.86	14.66		221.20	53.46	1
2.78	235.86	14.66		221.20	53.46	1
2.72	241.26	14.94		226.31	54.82	1
2.66	246.65	15.23		231.41	56.16	1
2.60	252.03	15.53		236.50	57.50	1
2.54	257.40	15.82		241.57	58.84	1
2.48	262.76	16.13		246.63	60.17	1
2.42	268.11	16.44		251.67	61.50	1
2.36	273.45	16.75		256.70	62.82	1
2.31	278.78	17.07		261.71	64.14	1
2.25	284.10	17.39		266.71	65.45	1
2.19	289.41	17.72		271.69	66.75	1

			B145.pso			
2.13	294.71	18.05	276.65	208.60	68.06	1
2.07	299.99	18.39	281.61	212.25	69.36	1
2.01	305.27	18.73	286.54	215.89	70.65	1
1.95	310.54	19.08	291.46	219.52	71.94	1
1.90	315.79	19.43	296.37	223.14	73.22	1
1.84	321.04	19.78	301.25	226.75	74.50	1
1.78	326.27	20.14	306.12	230.35	75.78	1
1.72	331.49	20.51	310.98	233.93	77.05	1
1.67	336.70	20.88	315.82	237.51	78.31	1
1.61	341.89	21.25	320.64	241.07	79.57	1
1.55	347.08	21.63	325.44	244.62	80.82	1
1.49	352.25	22.02	330.23	248.15	82.07	1
1.44	357.41	22.41	334.99	251.68	83.32	1
1.38	362.55	22.81	339.74	255.19	84.55	1
1.33	367.69	23.22	344.47	258.69	85.78	1
1.33	367.69	23.22	344.47	258.69	85.78	1
1.27	372.81	23.62	349.18	262.17	87.01	1
1.21	377.91	24.04	353.88	265.65	88.23	1
1.16	383.01	24.46	358.55	269.10	89.44	1
1.10	388.09	24.89	363.20	272.55	90.65	1
1.05	393.15	25.73	367.42	275.98	91.44	1
0.99	398.21	26.71	371.50	279.40	92.10	1
0.94	403.24	27.70	375.54	282.80	92.75	1
0.89	408.26	28.70	379.57	286.19	93.38	1
0.83	413.27	29.70	383.57	289.56	94.01	1
0.78	418.27	30.72	387.55	292.92	94.63	1
0.72	423.24	31.74	391.50	296.26	95.25	1
0.67	428.21	32.77	395.44	299.59	95.85	1
0.62	433.15	33.81	399.35	302.90	96.45	1
0.56	438.09	34.85	403.23	306.20	97.04	1
0.51	443.00	35.91	407.10	309.48	97.62	1
0.46	447.90	36.97	410.93	312.75	98.19	1
0.41	452.79	38.04	414.75	316.00	98.75	1
0.36	457.66	39.12	418.54	319.23	99.31	1
0.30	462.51	40.21	422.30	322.45	99.85	1
0.25	467.35	41.31	426.04	325.65	100.39	1
0.20	472.17	42.42	429.75	328.84	100.92	1
0.15	476.98	43.54	433.44	332.01	101.43	1
0.10	481.77	44.67	437.09	335.16	101.93	1
0.05	486.54	45.82	440.72	338.30	102.42	1
0.00	491.29	46.98	444.31	341.42	102.89	1

Time = 75. Degree of Consolidation = 92.0%

Total Settlement = 11.029

Settlement at End of Primary Consolidation = 12.018

Settlement caused by Primary Consolidation at time 75. = 11.029

Settlement caused by Secondary Compression at time 75. = 0.000

Settlement Due to Desiccation = 0.000

Surface Elevation = 3.97

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	5.26	1.42	10.61	1.98	1.98	1
16.38	5.23	1.41	10.61	1.98	1.98	1
16.26	5.20	1.40	10.61	1.98	1.98	1
16.14	5.17	1.39	10.61	1.98	1.98	1
16.02	5.14	1.38	10.61	1.98	1.98	1
15.90	5.10	1.37	10.61	2.74	3.00	1
15.78	5.06	1.36	10.61	3.36	2.96	1
15.66	5.02	1.35	10.61	3.30	2.93	1
15.54	4.97	1.34	10.61	3.25	2.89	1
15.42	4.93	1.33	10.61	3.21	2.85	1
15.30	4.89	1.32	10.61	3.18	2.82	1
15.18	4.84	1.31	10.61	3.16	2.78	1
15.06	4.80	1.30	10.61	3.14	2.74	1
14.94	4.76	1.29	10.61	3.13	2.71	1
14.82	4.71	1.28	10.61	3.11	2.67	1
14.70	4.67	1.27	10.61	3.10	2.64	1
14.58	4.63	1.26	10.61	3.09	2.60	1
14.46	4.59	1.25	10.61	3.08	2.56	1
14.34	4.55	1.24	10.61	3.07	2.54	1
14.22	4.50	1.22	10.61	3.06	2.52	1
14.10	4.46	1.21	10.61	3.05	2.51	1
13.98	4.42	1.20	10.61	3.05	2.49	1
13.86	4.38	1.19	10.61	3.04	2.47	1
13.74	4.34	1.18	10.61	3.03	2.46	1
13.62	4.29	1.17	10.61	3.03	2.44	1
13.50	4.25	1.16	10.61	3.02	2.42	1
13.50	4.25	1.16	10.61	3.02	2.42	1
13.32	4.19	1.15	10.61	3.01	2.40	1
13.14	4.13	1.13	10.61	3.00	2.37	1
12.96	4.07	1.12	10.61	3.00	2.35	1
12.78	4.00	1.10	10.61	2.99	2.32	1
12.60	3.94	1.09	10.61	2.98	2.30	1
12.42	3.88	1.07	10.61	2.97	2.27	1
12.24	3.82	1.05	10.61	2.96	2.25	1
12.06	3.76	1.04	10.61	2.96	2.22	1
11.88	3.70	1.02	10.61	2.95	2.20	1
11.70	3.64	1.01	10.61	2.94	2.17	1
11.52	3.57	0.99	10.61	2.93	2.16	1
11.34	3.51	0.98	10.61	2.93	2.15	1
11.16	3.45	0.96	10.61	2.92	2.14	1
10.98	3.39	0.95	10.61	2.91	2.12	1
10.80	3.33	0.93	10.61	2.90	2.11	1
10.62	3.27	0.91	10.61	2.89	2.10	1
10.44	3.21	0.90	10.61	2.89	2.09	1
10.26	3.15	0.88	10.61	2.88	2.07	1
10.08	3.09	0.87	10.61	2.87	2.06	1
9.90	3.03	0.85	10.61	2.86	2.05	1
9.72	2.97	0.84	10.61	2.85	2.04	1
9.54	2.91	0.82	10.61	2.84	2.02	1
9.36	2.85	0.81	10.61	2.83	2.01	1
9.18	2.79	0.79	10.61	2.82	2.00	1
9.00	2.73	0.78	10.61	2.81	1.99	1
9.00	2.73	0.78	10.61	2.81	1.99	1
8.82	2.67	0.76	10.61	2.81	1.97	1
8.64	2.62	0.74	10.61	2.80	1.96	1
8.46	2.56	0.73	10.61	2.79	1.95	1
8.28	2.50	0.71	10.61	2.78	1.94	1
8.10	2.44	0.70	10.61	2.77	1.92	1
7.92	2.38	0.68	10.61	2.76	1.91	1
7.74	2.32	0.67	10.61	2.75	1.90	1

B145.pso						
7.56	2.26	0.65	10.61	2.74	1.89	1
7.38	2.21	0.64	10.61	2.73	1.87	1
7.20	2.15	0.62	10.61	2.72	1.86	1
7.02	2.09	0.60	10.61	2.71	1.85	1
6.84	2.03	0.59	10.61	2.70	1.84	1
6.66	1.98	0.57	10.61	2.68	1.82	1
6.48	1.92	0.56	10.61	2.67	1.81	1
6.30	1.86	0.54	10.61	2.66	1.80	1
6.12	1.81	0.53	10.61	2.65	1.79	1
5.94	1.75	0.51	10.61	2.64	1.78	1
5.76	1.69	0.50	10.61	2.63	1.78	1
5.58	1.64	0.48	10.61	2.61	1.77	1
5.40	1.58	0.47	10.61	2.60	1.76	1
5.22	1.53	0.45	10.61	2.59	1.76	1
5.04	1.47	0.43	10.61	2.58	1.75	1
4.86	1.42	0.42	10.61	2.56	1.75	1
4.68	1.36	0.40	10.61	2.55	1.74	1
4.50	1.30	0.39	10.61	2.54	1.73	1
4.50	1.30	0.39	10.61	2.54	1.73	1
4.32	1.25	0.37	10.61	2.52	1.73	1
4.14	1.20	0.36	10.61	2.51	1.72	1
3.96	1.14	0.34	10.61	2.50	1.71	1
3.78	1.09	0.33	10.61	2.49	1.71	1
3.60	1.03	0.31	10.61	2.47	1.70	1
3.42	0.98	0.29	10.61	2.46	1.70	1
3.24	0.93	0.28	10.61	2.45	1.69	1
3.06	0.87	0.26	10.61	2.43	1.68	1
2.88	0.82	0.25	10.61	2.42	1.68	1
2.70	0.77	0.23	10.61	2.41	1.67	1
2.52	0.71	0.22	10.61	2.39	1.66	1
2.34	0.66	0.20	10.61	2.38	1.66	1
2.16	0.61	0.19	10.61	2.36	1.65	1
1.98	0.56	0.17	10.61	2.35	1.65	1
1.80	0.51	0.16	10.61	2.33	1.64	1
1.62	0.45	0.14	10.61	2.32	1.63	1
1.44	0.40	0.12	10.61	2.30	1.63	1
1.26	0.35	0.11	10.61	2.29	1.62	1
1.08	0.30	0.09	10.61	2.27	1.61	1
0.90	0.25	0.08	10.61	2.26	1.61	1
0.72	0.20	0.06	10.61	2.24	1.60	1
0.54	0.15	0.05	10.61	2.23	1.60	1
0.36	0.10	0.03	10.61	2.21	1.59	1
0.18	0.05	0.02	10.61	2.19	1.58	1
0.00	0.00	0.00	10.61	2.18	1.58	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
5.26	0.00	0.00	0.00	0.00	0.00	1
5.23	2.23	2.23	0.00	0.00	0.00	1
5.20	4.47	4.47	0.00	0.00	0.00	1
5.17	6.70	6.70	0.00	0.00	0.00	1
5.14	8.93	8.93	0.00	0.00	0.00	1
5.10	11.52	11.52	0.00	0.00	0.00	1
5.06	15.30	5.96	9.34	2.68	6.65	1
5.02	19.18	6.77	12.41	5.47	6.93	1
4.97	23.02	7.38	15.65	8.23	7.42	1
4.93	26.84	7.85	18.99	10.96	8.03	1
4.89	30.64	8.23	22.41	13.67	8.75	1
4.84	34.42	8.54	25.88	16.36	9.53	1
4.80	38.19	8.79	29.39	19.03	10.36	1
4.76	41.94	9.01	32.93	21.70	11.23	1

			B145.pso			
4.71	45.69	9.20	36.49	24.36	12.13	1
4.67	49.43	9.36	40.06	27.00	13.06	1
4.63	53.16	9.51	43.65	29.64	14.00	1
4.59	56.88	9.64	47.24	32.28	14.96	1
4.55	60.60	9.76	50.84	34.90	15.94	1
4.50	64.31	9.86	54.44	37.52	16.92	1
4.46	68.01	9.96	58.05	40.14	17.91	1
4.42	71.71	10.13	61.59	42.75	18.83	1
4.38	75.41	10.33	65.08	45.36	19.72	1
4.34	79.10	10.52	68.59	47.96	20.62	1
4.29	82.79	10.70	72.09	50.56	21.53	1
4.25	86.48	10.88	75.60	53.16	22.45	1
4.25	86.48	10.88	75.60	53.16	22.45	1
4.19	92.00	11.14	80.86	57.04	23.82	1
4.13	97.51	11.39	86.12	60.92	25.20	1
4.07	103.02	11.63	91.38	64.79	26.59	1
4.00	108.51	11.87	96.64	68.65	27.99	1
3.94	114.00	12.10	101.90	72.50	29.39	1
3.88	119.48	12.33	107.15	76.35	30.80	1
3.82	124.96	12.56	112.39	80.19	32.20	1
3.76	130.42	12.79	117.63	84.02	33.61	1
3.70	135.88	13.02	122.86	87.85	35.01	1
3.64	141.34	13.26	128.08	91.66	36.42	1
3.57	146.78	13.49	133.29	95.47	37.82	1
3.51	152.22	13.73	138.49	99.27	39.22	1
3.45	157.65	13.96	143.68	103.07	40.61	1
3.39	163.07	14.21	148.86	106.85	42.01	1
3.33	168.48	14.45	154.03	110.63	43.40	1
3.27	173.89	14.70	159.19	114.40	44.79	1
3.21	179.28	14.95	164.34	118.17	46.17	1
3.15	184.67	15.20	169.47	121.92	47.55	1
3.09	190.05	15.46	174.60	125.67	48.93	1
3.03	195.43	15.72	179.71	129.40	50.30	1
2.97	200.79	15.98	184.81	133.13	51.67	1
2.91	206.15	16.25	189.90	136.86	53.04	1
2.85	211.49	16.52	194.98	140.57	54.41	1
2.79	216.83	16.79	200.04	144.27	55.77	1
2.73	222.16	17.07	205.09	147.97	57.13	1
2.73	222.16	17.07	205.09	147.97	57.13	1
2.67	227.48	17.35	210.14	151.65	58.49	1
2.62	232.80	17.63	215.17	155.33	59.84	1
2.56	238.10	17.91	220.19	159.00	61.19	1
2.50	243.39	18.20	225.19	162.65	62.54	1
2.44	248.68	18.49	230.18	166.30	63.88	1
2.38	253.95	18.79	235.16	169.94	65.22	1
2.32	259.21	19.08	240.13	173.57	66.56	1
2.26	264.47	19.39	245.08	177.19	67.89	1
2.21	269.72	19.69	250.02	180.80	69.22	1
2.15	274.95	20.00	254.95	184.40	70.54	1
2.09	280.18	20.32	259.86	187.99	71.86	1
2.03	285.39	20.64	264.75	191.57	73.18	1
1.98	290.60	20.96	269.63	195.14	74.49	1
1.92	295.79	21.30	274.50	198.70	75.79	1
1.86	300.97	21.63	279.34	202.25	77.09	1
1.81	306.15	21.98	284.17	205.79	78.38	1
1.75	311.31	22.33	288.98	209.32	79.66	1
1.69	316.46	22.69	293.77	212.83	80.94	1
1.64	321.60	23.06	298.54	216.33	82.21	1
1.58	326.72	23.43	303.29	219.82	83.46	1
1.53	331.84	23.82	308.02	223.30	84.71	1
1.47	336.94	24.21	312.73	226.77	85.96	1
1.42	342.03	24.60	317.42	230.22	87.20	1
1.36	347.10	24.99	322.11	233.66	88.44	1

			B145.pso			
1.30	352.16	25.83	326.34	237.09	89.24	1
1.30	352.16	25.83	326.34	237.09	89.24	1
1.25	357.22	26.66	330.55	240.51	90.05	1
1.20	362.25	27.48	334.78	243.91	90.86	1
1.14	367.28	28.29	338.99	247.30	91.68	1
1.09	372.30	29.12	343.18	250.68	92.49	1
1.03	377.30	29.96	347.34	254.05	93.29	1
0.98	382.29	30.82	351.47	257.41	94.07	1
0.93	387.27	31.69	355.57	260.75	94.82	1
0.87	392.23	32.59	359.65	264.08	95.57	1
0.82	397.18	33.49	363.69	267.40	96.29	1
0.77	402.12	34.41	367.71	270.70	97.01	1
0.71	407.04	35.35	371.70	273.99	97.71	1
0.66	411.95	36.29	375.66	277.26	98.40	1
0.61	416.85	37.24	379.61	280.52	99.08	1
0.56	421.73	38.20	383.53	283.77	99.76	1
0.51	426.60	39.18	387.42	287.00	100.42	1
0.45	431.45	40.16	391.30	290.22	101.07	1
0.40	436.29	41.15	395.14	293.43	101.72	1
0.35	441.12	42.15	398.97	296.62	102.35	1
0.30	445.93	43.16	402.76	299.79	102.97	1
0.25	450.72	44.19	406.53	302.95	103.58	1
0.20	455.50	45.23	410.28	306.10	104.18	1
0.15	460.27	46.28	413.99	309.23	104.77	1
0.10	465.02	47.34	417.67	312.34	105.34	1
0.05	469.75	48.42	421.33	315.44	105.89	1
0.00	474.47	49.52	424.95	318.52	106.43	1

Time = 90. Degree of Consolidation = 91.0%

Total Settlement = 11.239

Settlement at End of Primary Consolidation = 12.227

Settlement caused by Primary Consolidation at time 90. = 11.109

Settlement caused by Secondary Compression at time 90. = 0.000

Settlement Due to Desiccation = 0.130

Surface Elevation = 3.76

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	4.83	1.42	10.61	1.98	1.98	1
16.38	4.80	1.41	10.61	1.98	1.98	1
16.26	4.77	1.40	10.61	1.98	1.98	1
16.14	4.74	1.39	10.61	1.98	1.98	1
16.02	4.71	1.38	10.61	1.98	1.98	1
15.90	4.68	1.37	10.61	1.98	1.98	1
15.78	4.65	1.36	10.61	1.98	1.98	1
15.66	4.62	1.35	10.61	1.98	1.98	1
15.54	4.59	1.34	10.61	1.98	1.98	1
15.42	4.56	1.33	10.61	1.98	1.98	1
15.30	4.52	1.32	10.61	1.98	1.98	1

			B145.pso			
15.18	4.49	1.31	10.61	1.98	1.98	1
15.06	4.46	1.30	10.61	1.98	1.98	1
14.94	4.43	1.29	10.61	1.98	1.98	1
14.82	4.40	1.28	10.61	1.98	1.98	1
14.70	4.37	1.27	10.61	1.98	1.98	1
14.58	4.34	1.26	10.61	1.98	1.98	1
14.46	4.31	1.25	10.61	1.98	1.98	1
14.34	4.28	1.24	10.61	2.07	2.32	1
14.22	4.24	1.22	10.61	2.63	2.30	1
14.10	4.21	1.21	10.61	2.64	2.28	1
13.98	4.17	1.20	10.61	2.64	2.27	1
13.86	4.13	1.19	10.61	2.65	2.25	1
13.74	4.09	1.18	10.61	2.66	2.23	1
13.62	4.06	1.17	10.61	2.66	2.22	1
13.50	4.02	1.16	10.61	2.67	2.20	1
13.50	4.02	1.16	10.61	2.67	2.20	1
13.32	3.96	1.15	10.61	2.68	2.18	1
13.14	3.90	1.13	10.61	2.68	2.16	1
12.96	3.85	1.12	10.61	2.69	2.15	1
12.78	3.79	1.10	10.61	2.69	2.14	1
12.60	3.73	1.09	10.61	2.69	2.12	1
12.42	3.68	1.07	10.61	2.69	2.11	1
12.24	3.62	1.05	10.61	2.69	2.10	1
12.06	3.56	1.04	10.61	2.69	2.09	1
11.88	3.50	1.02	10.61	2.68	2.07	1
11.70	3.45	1.01	10.61	2.68	2.06	1
11.52	3.39	0.99	10.61	2.68	2.05	1
11.34	3.33	0.98	10.61	2.67	2.04	1
11.16	3.28	0.96	10.61	2.67	2.02	1
10.98	3.22	0.95	10.61	2.66	2.01	1
10.80	3.16	0.93	10.61	2.66	2.00	1
10.62	3.11	0.91	10.61	2.65	1.99	1
10.44	3.05	0.90	10.61	2.65	1.97	1
10.26	2.99	0.88	10.61	2.64	1.96	1
10.08	2.94	0.87	10.61	2.63	1.95	1
9.90	2.88	0.85	10.61	2.63	1.94	1
9.72	2.82	0.84	10.61	2.62	1.92	1
9.54	2.77	0.82	10.61	2.61	1.91	1
9.36	2.71	0.81	10.61	2.61	1.90	1
9.18	2.66	0.79	10.61	2.60	1.89	1
9.00	2.60	0.78	10.61	2.59	1.88	1
9.00	2.60	0.78	10.61	2.59	1.88	1
8.82	2.54	0.76	10.61	2.58	1.86	1
8.64	2.49	0.74	10.61	2.58	1.85	1
8.46	2.43	0.73	10.61	2.57	1.84	1
8.28	2.38	0.71	10.61	2.56	1.83	1
8.10	2.32	0.70	10.61	2.55	1.81	1
7.92	2.27	0.68	10.61	2.54	1.80	1
7.74	2.21	0.67	10.61	2.53	1.79	1
7.56	2.16	0.65	10.61	2.53	1.78	1
7.38	2.10	0.64	10.61	2.52	1.78	1
7.20	2.05	0.62	10.61	2.51	1.77	1
7.02	1.99	0.60	10.61	2.50	1.76	1
6.84	1.94	0.59	10.61	2.49	1.76	1
6.66	1.89	0.57	10.61	2.48	1.75	1
6.48	1.83	0.56	10.61	2.47	1.75	1
6.30	1.78	0.54	10.61	2.46	1.74	1
6.12	1.73	0.53	10.61	2.45	1.73	1
5.94	1.67	0.51	10.61	2.44	1.73	1
5.76	1.62	0.50	10.61	2.43	1.72	1
5.58	1.57	0.48	10.61	2.42	1.71	1
5.40	1.51	0.47	10.61	2.41	1.71	1
5.22	1.46	0.45	10.61	2.40	1.70	1

			B145.pso			
5.04	1.41	0.43	10.61	2.39	1.70	1
4.86	1.35	0.42	10.61	2.38	1.69	1
4.68	1.30	0.40	10.61	2.37	1.68	1
4.50	1.25	0.39	10.61	2.36	1.68	1
4.50	1.25	0.39	10.61	2.36	1.68	1
4.32	1.20	0.37	10.61	2.35	1.67	1
4.14	1.15	0.36	10.61	2.34	1.66	1
3.96	1.09	0.34	10.61	2.33	1.66	1
3.78	1.04	0.33	10.61	2.32	1.65	1
3.60	0.99	0.31	10.61	2.31	1.65	1
3.42	0.94	0.29	10.61	2.30	1.64	1
3.24	0.89	0.28	10.61	2.29	1.63	1
3.06	0.84	0.26	10.61	2.28	1.63	1
2.88	0.79	0.25	10.61	2.27	1.62	1
2.70	0.74	0.23	10.61	2.26	1.62	1
2.52	0.69	0.22	10.61	2.24	1.61	1
2.34	0.64	0.20	10.61	2.23	1.60	1
2.16	0.59	0.19	10.61	2.22	1.60	1
1.98	0.54	0.17	10.61	2.21	1.59	1
1.80	0.49	0.16	10.61	2.20	1.58	1
1.62	0.44	0.14	10.61	2.19	1.58	1
1.44	0.39	0.12	10.61	2.18	1.57	1
1.26	0.34	0.11	10.61	2.16	1.57	1
1.08	0.29	0.09	10.61	2.15	1.56	1
0.90	0.24	0.08	10.61	2.14	1.55	1
0.72	0.19	0.06	10.61	2.13	1.55	1
0.54	0.14	0.05	10.61	2.11	1.54	1
0.36	0.10	0.03	10.61	2.10	1.53	1
0.18	0.05	0.02	10.61	2.09	1.53	1
0.00	0.00	0.00	10.61	2.07	1.52	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.83	0.00	0.00	0.00	0.00	0.00	1
4.80	2.23	2.23	0.00	0.00	0.00	1
4.77	4.47	4.47	0.00	0.00	0.00	1
4.74	6.70	6.70	0.00	0.00	0.00	1
4.71	8.93	8.93	0.00	0.00	0.00	1
4.68	11.16	11.16	0.00	0.00	0.00	1
4.65	13.40	13.40	0.00	0.00	0.00	1
4.62	15.63	15.63	0.00	0.00	0.00	1
4.59	17.86	17.86	0.00	0.00	0.00	1
4.56	20.10	20.10	0.00	0.00	0.00	1
4.52	22.33	22.33	0.00	0.00	0.00	1
4.49	24.56	24.56	0.00	0.00	0.00	1
4.46	26.80	26.80	0.00	0.00	0.00	1
4.43	29.03	29.03	0.00	0.00	0.00	1
4.40	31.26	31.26	0.00	0.00	0.00	1
4.37	33.49	33.49	0.00	0.00	0.00	1
4.34	35.73	35.73	0.00	0.00	0.00	1
4.31	37.96	37.96	0.00	0.00	0.00	1
4.28	40.28	40.28	0.00	0.00	0.00	1
4.24	43.58	22.74	20.83	2.20	18.63	1
4.21	47.01	22.45	24.56	4.54	20.02	1
4.17	50.45	22.19	28.26	6.89	21.37	1
4.13	53.89	21.96	31.93	9.24	22.69	1
4.09	57.34	21.76	35.58	11.60	23.98	1
4.06	60.79	21.59	39.20	13.96	25.24	1
4.02	64.24	21.44	42.80	16.33	26.47	1
4.02	64.24	21.44	42.80	16.33	26.47	1
3.96	69.43	21.23	48.20	19.88	28.32	1

3.90	74.62	21.06	B145.pso 53.56	23.44	30.12	1
3.85	79.82	20.94	58.88	27.00	31.88	1
3.79	85.02	20.87	64.15	30.57	33.59	1
3.73	90.23	20.83	69.40	34.14	35.26	1
3.68	95.43	20.82	74.61	37.71	36.90	1
3.62	100.63	20.84	79.79	41.27	38.51	1
3.56	105.84	20.89	84.94	44.84	40.10	1
3.50	111.04	20.96	90.08	48.41	41.67	1
3.45	116.24	21.05	95.18	51.97	43.21	1
3.39	121.43	21.16	100.27	55.53	44.74	1
3.33	126.62	21.28	105.34	59.09	46.25	1
3.28	131.81	21.42	110.39	62.64	47.75	1
3.22	136.99	21.57	115.42	66.19	49.24	1
3.16	142.17	21.73	120.44	69.73	50.71	1
3.11	147.34	21.90	125.44	73.27	52.18	1
3.05	152.51	22.08	130.43	76.80	53.63	1
2.99	157.67	22.26	135.40	80.32	55.08	1
2.94	162.82	22.46	140.36	83.84	56.52	1
2.88	167.97	22.66	145.31	87.36	57.95	1
2.82	173.11	22.87	150.24	90.86	59.38	1
2.77	178.25	23.08	155.17	94.36	60.80	1
2.71	183.38	23.30	160.07	97.86	62.22	1
2.66	188.50	23.53	164.97	101.34	63.63	1
2.60	193.61	23.76	169.85	104.82	65.03	1
2.60	193.61	23.76	169.85	104.82	65.03	1
2.54	198.71	23.99	174.73	108.29	66.44	1
2.49	203.81	24.22	179.59	111.75	67.84	1
2.43	208.90	24.47	184.44	115.21	69.23	1
2.38	213.99	24.71	189.27	118.66	70.62	1
2.32	219.06	24.96	194.10	122.10	72.00	1
2.27	224.13	25.49	198.64	125.53	73.11	1
2.21	229.19	26.06	203.13	128.95	74.17	1
2.16	234.23	26.64	207.60	132.37	75.23	1
2.10	239.28	27.23	212.05	135.77	76.28	1
2.05	244.31	27.82	216.49	139.17	77.32	1
1.99	249.33	28.42	220.91	142.56	78.36	1
1.94	254.35	29.02	225.32	145.94	79.39	1
1.89	259.35	29.63	229.72	149.31	80.41	1
1.83	264.35	30.25	234.10	152.67	81.43	1
1.78	269.34	30.87	238.47	156.02	82.44	1
1.73	274.32	31.50	242.82	159.37	83.45	1
1.67	279.28	32.13	247.15	162.70	84.45	1
1.62	284.24	32.77	251.48	166.03	85.45	1
1.57	289.19	33.41	255.79	169.34	86.45	1
1.51	294.14	34.05	260.08	172.65	87.43	1
1.46	299.07	34.71	264.36	175.94	88.42	1
1.41	303.99	35.36	268.63	179.23	89.40	1
1.35	308.90	36.02	272.88	182.51	90.37	1
1.30	313.80	36.69	277.12	185.78	91.34	1
1.25	318.70	37.36	281.34	189.03	92.30	1
1.25	318.70	37.36	281.34	189.03	92.30	1
1.20	323.58	38.03	285.55	192.28	93.27	1
1.15	328.45	38.71	289.74	195.52	94.23	1
1.09	333.31	39.39	293.93	198.75	95.18	1
1.04	338.17	40.08	298.09	201.96	96.13	1
0.99	343.01	40.77	302.24	205.17	97.07	1
0.94	347.84	41.47	306.37	208.37	98.00	1
0.89	352.66	42.18	310.49	211.56	98.93	1
0.84	357.48	42.89	314.59	214.73	99.85	1
0.79	362.28	43.61	318.67	217.90	100.77	1
0.74	367.07	44.33	322.73	221.05	101.68	1
0.69	371.85	45.07	326.78	224.20	102.58	1
0.64	376.62	45.81	330.81	227.33	103.48	1

			B145.pso			
0.59	381.37	46.56	334.82	230.46	104.36	1
0.54	386.12	47.31	338.81	233.57	105.24	1
0.49	390.86	48.08	342.78	236.67	106.11	1
0.44	395.58	48.85	346.73	239.76	106.97	1
0.39	400.29	49.64	350.66	242.84	107.82	1
0.34	404.99	50.87	354.13	245.90	108.23	1
0.29	409.68	52.48	357.20	248.96	108.25	1
0.24	414.36	54.12	360.24	252.00	108.24	1
0.19	419.03	55.78	363.24	255.03	108.22	1
0.14	423.68	57.47	366.21	258.05	108.17	1
0.10	428.32	59.17	369.15	261.05	108.10	1
0.05	432.95	60.89	372.06	264.05	108.01	1
0.00	437.56	62.64	374.93	267.03	107.90	1

Time = 150. Degree of Consolidation = 92.0%

Total Settlement = 11.667

Settlement at End of Primary Consolidation = 12.455

Settlement caused by Primary Consolidation at time 150. = 11.405

Settlement caused by Secondary Compression at time 150. = 0.000

Settlement Due to Desiccation = 0.263

Surface Elevation = 3.33

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	4.66	1.42	10.61	1.98	1.98	1
16.38	4.63	1.41	10.61	1.98	1.98	1
16.26	4.60	1.40	10.61	1.98	1.98	1
16.14	4.57	1.39	10.61	1.98	1.98	1
16.02	4.54	1.38	10.61	1.98	1.98	1
15.90	4.51	1.37	10.61	1.98	1.98	1
15.78	4.47	1.36	10.61	1.98	1.98	1
15.66	4.44	1.35	10.61	1.98	1.98	1
15.54	4.41	1.34	10.61	1.98	1.98	1
15.42	4.38	1.33	10.61	1.98	1.98	1
15.30	4.35	1.32	10.61	1.98	1.98	1
15.18	4.32	1.31	10.61	1.98	1.98	1
15.06	4.29	1.30	10.61	1.98	1.98	1
14.94	4.26	1.29	10.61	1.98	1.98	1
14.82	4.23	1.28	10.61	1.98	1.98	1
14.70	4.20	1.27	10.61	1.98	1.98	1
14.58	4.17	1.26	10.61	1.98	1.98	1
14.46	4.14	1.25	10.61	1.98	1.98	1
14.34	4.11	1.24	10.61	1.98	1.98	1
14.22	4.07	1.22	10.61	1.98	1.98	1
14.10	4.04	1.21	10.61	1.98	1.98	1
13.98	4.01	1.20	10.61	1.98	1.98	1
13.86	3.98	1.19	10.61	1.98	1.98	1
13.74	3.95	1.18	10.61	1.98	1.98	1
13.62	3.92	1.17	10.61	1.98	1.98	1

			B145.pso			
13.50	3.89	1.16	10.61	2.12	2.12	1
13.50	3.89	1.16	10.61	2.12	2.12	1
13.32	3.84	1.15	10.61	2.18	2.11	1
13.14	3.79	1.13	10.61	2.22	2.10	1
12.96	3.74	1.12	10.61	2.27	2.08	1
12.78	3.69	1.10	10.61	2.31	2.07	1
12.60	3.64	1.09	10.61	2.35	2.06	1
12.42	3.59	1.07	10.61	2.39	2.05	1
12.24	3.53	1.05	10.61	2.42	2.04	1
12.06	3.48	1.04	10.61	2.44	2.02	1
11.88	3.43	1.02	10.61	2.46	2.01	1
11.70	3.37	1.01	10.61	2.48	2.00	1
11.52	3.32	0.99	10.61	2.50	1.99	1
11.34	3.26	0.98	10.61	2.51	1.97	1
11.16	3.21	0.96	10.61	2.52	1.96	1
10.98	3.15	0.95	10.61	2.52	1.95	1
10.80	3.10	0.93	10.61	2.53	1.94	1
10.62	3.05	0.91	10.61	2.53	1.92	1
10.44	2.99	0.90	10.61	2.53	1.91	1
10.26	2.94	0.88	10.61	2.53	1.90	1
10.08	2.88	0.87	10.61	2.53	1.89	1
9.90	2.83	0.85	10.61	2.53	1.87	1
9.72	2.77	0.84	10.61	2.53	1.86	1
9.54	2.72	0.82	10.61	2.52	1.85	1
9.36	2.66	0.81	10.61	2.52	1.84	1
9.18	2.61	0.79	10.61	2.51	1.82	1
9.00	2.55	0.78	10.61	2.51	1.81	1
9.00	2.55	0.78	10.61	2.51	1.81	1
8.82	2.50	0.76	10.61	2.50	1.80	1
8.64	2.44	0.74	10.61	2.49	1.79	1
8.46	2.39	0.73	10.61	2.49	1.78	1
8.28	2.34	0.71	10.61	2.48	1.78	1
8.10	2.28	0.70	10.61	2.47	1.77	1
7.92	2.23	0.68	10.61	2.47	1.76	1
7.74	2.18	0.67	10.61	2.46	1.76	1
7.56	2.12	0.65	10.61	2.45	1.75	1
7.38	2.07	0.64	10.61	2.44	1.74	1
7.20	2.01	0.62	10.61	2.43	1.74	1
7.02	1.96	0.60	10.61	2.43	1.73	1
6.84	1.91	0.59	10.61	2.42	1.73	1
6.66	1.86	0.57	10.61	2.41	1.72	1
6.48	1.80	0.56	10.61	2.40	1.71	1
6.30	1.75	0.54	10.61	2.39	1.71	1
6.12	1.70	0.53	10.61	2.38	1.70	1
5.94	1.65	0.51	10.61	2.38	1.70	1
5.76	1.59	0.50	10.61	2.37	1.69	1
5.58	1.54	0.48	10.61	2.36	1.68	1
5.40	1.49	0.47	10.61	2.35	1.68	1
5.22	1.44	0.45	10.61	2.34	1.67	1
5.04	1.39	0.43	10.61	2.33	1.66	1
4.86	1.33	0.42	10.61	2.32	1.66	1
4.68	1.28	0.40	10.61	2.31	1.65	1
4.50	1.23	0.39	10.61	2.30	1.65	1
4.50	1.23	0.39	10.61	2.30	1.65	1
4.32	1.18	0.37	10.61	2.29	1.64	1
4.14	1.13	0.36	10.61	2.28	1.63	1
3.96	1.08	0.34	10.61	2.27	1.63	1
3.78	1.03	0.33	10.61	2.27	1.62	1
3.60	0.98	0.31	10.61	2.26	1.61	1
3.42	0.93	0.29	10.61	2.25	1.61	1
3.24	0.88	0.28	10.61	2.24	1.60	1
3.06	0.83	0.26	10.61	2.23	1.60	1
2.88	0.78	0.25	10.61	2.22	1.59	1

			B145.pso			
2.70	0.73	0.23	10.61	2.21	1.58	1
2.52	0.68	0.22	10.61	2.20	1.58	1
2.34	0.63	0.20	10.61	2.19	1.57	1
2.16	0.58	0.19	10.61	2.17	1.56	1
1.98	0.53	0.17	10.61	2.16	1.56	1
1.80	0.48	0.16	10.61	2.15	1.55	1
1.62	0.43	0.14	10.61	2.14	1.55	1
1.44	0.38	0.12	10.61	2.13	1.54	1
1.26	0.33	0.11	10.61	2.12	1.53	1
1.08	0.29	0.09	10.61	2.11	1.53	1
0.90	0.24	0.08	10.61	2.10	1.52	1
0.72	0.19	0.06	10.61	2.08	1.51	1
0.54	0.14	0.05	10.61	2.07	1.51	1
0.36	0.09	0.03	10.61	2.06	1.50	1
0.18	0.05	0.02	10.61	2.05	1.50	1
0.00	0.00	0.00	10.61	2.04	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.66	0.00	0.00	0.00	0.00	0.00	1
4.63	2.23	2.23	0.00	0.00	0.00	1
4.60	4.47	4.47	0.00	0.00	0.00	1
4.57	6.70	6.70	0.00	0.00	0.00	1
4.54	8.93	8.93	0.00	0.00	0.00	1
4.51	11.16	11.16	0.00	0.00	0.00	1
4.47	13.40	13.40	0.00	0.00	0.00	1
4.44	15.63	15.63	0.00	0.00	0.00	1
4.41	17.86	17.86	0.00	0.00	0.00	1
4.38	20.10	20.10	0.00	0.00	0.00	1
4.35	22.33	22.33	0.00	0.00	0.00	1
4.32	24.56	24.56	0.00	0.00	0.00	1
4.29	26.80	26.80	0.00	0.00	0.00	1
4.26	29.03	29.03	0.00	0.00	0.00	1
4.23	31.26	31.26	0.00	0.00	0.00	1
4.20	33.49	33.49	0.00	0.00	0.00	1
4.17	35.73	35.73	0.00	0.00	0.00	1
4.14	37.96	37.96	0.00	0.00	0.00	1
4.11	40.19	40.19	0.00	0.00	0.00	1
4.07	42.43	42.43	0.00	0.00	0.00	1
4.04	44.66	44.66	0.00	0.00	0.00	1
4.01	46.89	46.89	0.00	0.00	0.00	1
3.98	49.13	49.13	0.00	0.00	0.00	1
3.95	51.36	51.36	0.00	0.00	0.00	1
3.92	53.59	53.59	0.00	0.00	0.00	1
3.89	56.29	56.29	0.00	0.00	0.00	1
3.89	56.29	56.29	0.00	0.00	0.00	1
3.84	60.97	49.66	11.31	3.05	8.27	1
3.79	65.70	46.39	19.32	6.14	13.18	1
3.74	70.48	43.34	27.14	9.29	17.85	1
3.69	75.30	40.56	34.75	12.47	22.28	1
3.64	80.16	38.04	42.12	15.70	26.43	1
3.59	85.06	35.80	49.25	18.95	30.30	1
3.53	89.98	33.84	56.14	22.24	33.89	1
3.48	94.93	32.15	62.79	25.56	37.23	1
3.43	99.91	30.70	69.21	28.90	40.30	1
3.37	104.90	29.50	75.41	32.26	43.14	1
3.32	109.91	28.51	81.41	35.64	45.77	1
3.26	114.94	27.72	87.22	39.03	48.19	1
3.21	119.97	27.11	92.86	42.43	50.44	1
3.15	125.01	26.65	98.36	45.83	52.53	1
3.10	130.06	26.34	103.72	49.25	54.47	1

			B145.pso			
3.05	135.11	26.15	108.96	52.66	56.30	1
2.99	140.17	26.07	114.09	56.08	58.01	1
2.94	145.22	26.09	119.13	59.50	59.63	1
2.88	150.27	26.18	124.09	62.92	61.18	1
2.83	155.32	26.34	128.98	66.33	62.65	1
2.77	160.37	26.57	133.80	69.75	64.06	1
2.72	165.42	26.84	138.57	73.15	65.42	1
2.66	170.46	27.16	143.29	76.56	66.73	1
2.61	175.49	27.52	147.97	79.96	68.01	1
2.55	180.52	27.91	152.61	83.35	69.26	1
2.55	180.52	27.91	152.61	83.35	69.26	1
2.50	185.54	28.29	157.25	86.74	70.51	1
2.44	190.56	28.71	161.85	90.13	71.73	1
2.39	195.57	29.14	166.43	93.50	72.93	1
2.34	200.58	29.60	170.98	96.87	74.11	1
2.28	205.58	30.07	175.51	100.24	75.27	1
2.23	210.57	30.56	180.01	103.59	76.42	1
2.18	215.55	31.05	184.50	106.94	77.56	1
2.12	220.53	31.56	188.97	110.28	78.68	1
2.07	225.50	32.08	193.42	113.62	79.80	1
2.01	230.46	32.61	197.85	116.94	80.91	1
1.96	235.41	33.14	202.27	120.26	82.01	1
1.91	240.36	33.69	206.67	123.57	83.10	1
1.86	245.30	34.23	211.06	126.88	84.19	1
1.80	250.23	34.79	215.44	130.17	85.27	1
1.75	255.15	35.35	219.80	133.46	86.34	1
1.70	260.06	35.92	224.14	136.73	87.41	1
1.65	264.97	36.49	228.48	140.00	88.47	1
1.59	269.86	37.07	232.80	143.27	89.53	1
1.54	274.75	37.65	237.10	146.52	90.58	1
1.49	279.63	38.23	241.39	149.76	91.63	1
1.44	284.50	38.83	245.67	153.00	92.68	1
1.39	289.36	39.42	249.94	156.22	93.71	1
1.33	294.21	40.02	254.19	159.44	94.75	1
1.28	299.06	40.63	258.43	162.65	95.78	1
1.23	303.89	41.24	262.65	165.85	96.80	1
1.23	303.89	41.24	262.65	165.85	96.80	1
1.18	308.72	41.85	266.86	169.04	97.82	1
1.13	313.54	42.47	271.06	172.22	98.84	1
1.08	318.34	43.09	275.25	175.40	99.85	1
1.03	323.14	43.72	279.42	178.56	100.86	1
0.98	327.93	44.36	283.57	181.72	101.86	1
0.93	332.71	45.00	287.71	184.86	102.85	1
0.88	337.48	45.65	291.83	188.00	103.84	1
0.83	342.24	46.30	295.94	191.12	104.82	1
0.78	346.99	46.96	300.03	194.24	105.79	1
0.73	351.74	47.63	304.10	197.35	106.76	1
0.68	356.47	48.31	308.15	200.44	107.71	1
0.63	361.19	49.00	312.19	203.53	108.66	1
0.58	365.90	49.69	316.21	206.60	109.60	1
0.53	370.60	50.80	319.80	209.67	110.13	1
0.48	375.29	52.23	323.06	212.73	110.33	1
0.43	379.97	53.68	326.29	215.77	110.52	1
0.38	384.64	55.16	329.48	218.81	110.68	1
0.33	389.30	56.65	332.65	221.83	110.82	1
0.29	393.95	58.17	335.78	224.84	110.94	1
0.24	398.58	59.70	338.89	227.84	111.04	1
0.19	403.21	61.25	341.96	230.83	111.13	1
0.14	407.82	62.81	345.01	233.81	111.20	1
0.09	412.42	64.40	348.02	236.78	111.25	1
0.05	417.01	66.00	351.01	239.73	111.28	1
0.00	421.59	67.62	353.98	242.68	111.30	1

B145.pso

Time = 180. Degree of Consolidation = 92.%

Total Settlement = 11.840

Settlement at End of Primary Consolidation = 12.529

Settlement caused by Primary Consolidation at time 180. = 11.541

Settlement caused by Secondary Compression at time 180. = 0.000

Settlement Due to Desiccation = 0.300

Surface Elevation = 3.16

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	4.58	1.42	10.61	1.98	1.98	1
16.38	4.55	1.41	10.61	1.98	1.98	1
16.26	4.52	1.40	10.61	1.98	1.98	1
16.14	4.49	1.39	10.61	1.98	1.98	1
16.02	4.46	1.38	10.61	1.98	1.98	1
15.90	4.43	1.37	10.61	1.98	1.98	1
15.78	4.40	1.36	10.61	1.98	1.98	1
15.66	4.37	1.35	10.61	1.98	1.98	1
15.54	4.34	1.34	10.61	1.98	1.98	1
15.42	4.30	1.33	10.61	1.98	1.98	1
15.30	4.27	1.32	10.61	1.98	1.98	1
15.18	4.24	1.31	10.61	1.98	1.98	1
15.06	4.21	1.30	10.61	1.98	1.98	1
14.94	4.18	1.29	10.61	1.98	1.98	1
14.82	4.15	1.28	10.61	1.98	1.98	1
14.70	4.12	1.27	10.61	1.98	1.98	1
14.58	4.09	1.26	10.61	1.98	1.98	1
14.46	4.06	1.25	10.61	1.98	1.98	1
14.34	4.03	1.24	10.61	1.98	1.98	1
14.22	4.00	1.22	10.61	1.98	1.98	1
14.10	3.97	1.21	10.61	1.98	1.98	1
13.98	3.94	1.20	10.61	1.98	1.98	1
13.86	3.90	1.19	10.61	1.98	1.98	1
13.74	3.87	1.18	10.61	1.98	1.98	1
13.62	3.84	1.17	10.61	1.98	1.98	1
13.50	3.81	1.16	10.61	2.12	1.98	1
13.50	3.81	1.16	10.61	2.12	1.98	1
13.32	3.76	1.15	10.61	2.11	2.11	1
13.14	3.72	1.13	10.61	2.14	2.09	1
12.96	3.67	1.12	10.61	2.18	2.08	1
12.78	3.62	1.10	10.61	2.21	2.07	1
12.60	3.57	1.09	10.61	2.24	2.06	1
12.42	3.52	1.07	10.61	2.27	2.04	1
12.24	3.46	1.05	10.61	2.30	2.03	1
12.06	3.41	1.04	10.61	2.32	2.02	1
11.88	3.36	1.02	10.61	2.34	2.01	1
11.70	3.31	1.01	10.61	2.36	1.99	1
11.52	3.26	0.99	10.61	2.38	1.98	1
11.34	3.21	0.98	10.61	2.39	1.97	1

			B145.pso			
11.16	3.15	0.96	10.61	2.40	1.96	1
10.98	3.10	0.95	10.61	2.41	1.94	1
10.80	3.05	0.93	10.61	2.42	1.93	1
10.62	2.99	0.91	10.61	2.43	1.92	1
10.44	2.94	0.90	10.61	2.43	1.91	1
10.26	2.89	0.88	10.61	2.44	1.89	1
10.08	2.83	0.87	10.61	2.44	1.88	1
9.90	2.78	0.85	10.61	2.44	1.87	1
9.72	2.73	0.84	10.61	2.44	1.86	1
9.54	2.67	0.82	10.61	2.44	1.84	1
9.36	2.62	0.81	10.61	2.43	1.83	1
9.18	2.57	0.79	10.61	2.43	1.82	1
9.00	2.51	0.78	10.61	2.43	1.81	1
9.00	2.51	0.78	10.61	2.43	1.79	1
8.82	2.46	0.76	10.61	2.42	1.79	1
8.64	2.41	0.74	10.61	2.42	1.79	1
8.46	2.36	0.73	10.61	2.42	1.78	1
8.28	2.30	0.71	10.61	2.41	1.77	1
8.10	2.25	0.70	10.61	2.40	1.77	1
7.92	2.20	0.68	10.61	2.40	1.76	1
7.74	2.14	0.67	10.61	2.39	1.75	1
7.56	2.09	0.65	10.61	2.39	1.75	1
7.38	2.04	0.64	10.61	2.38	1.74	1
7.20	1.99	0.62	10.61	2.37	1.74	1
7.02	1.93	0.60	10.61	2.37	1.73	1
6.84	1.88	0.59	10.61	2.36	1.72	1
6.66	1.83	0.57	10.61	2.35	1.72	1
6.48	1.78	0.56	10.61	2.34	1.71	1
6.30	1.73	0.54	10.61	2.34	1.71	1
6.12	1.67	0.53	10.61	2.33	1.70	1
5.94	1.62	0.51	10.61	2.32	1.69	1
5.76	1.57	0.50	10.61	2.31	1.69	1
5.58	1.52	0.48	10.61	2.31	1.68	1
5.40	1.47	0.47	10.61	2.30	1.67	1
5.22	1.42	0.45	10.61	2.29	1.67	1
5.04	1.37	0.43	10.61	2.28	1.66	1
4.86	1.32	0.42	10.61	2.27	1.66	1
4.68	1.27	0.40	10.61	2.26	1.65	1
4.50	1.22	0.39	10.61	2.25	1.64	1
4.50	1.22	0.39	10.61	2.25	1.64	1
4.32	1.16	0.37	10.61	2.25	1.64	1
4.14	1.11	0.36	10.61	2.24	1.63	1
3.96	1.06	0.34	10.61	2.23	1.62	1
3.78	1.01	0.33	10.61	2.22	1.62	1
3.60	0.96	0.31	10.61	2.21	1.61	1
3.42	0.92	0.29	10.61	2.20	1.61	1
3.24	0.87	0.28	10.61	2.19	1.60	1
3.06	0.82	0.26	10.61	2.18	1.59	1
2.88	0.77	0.25	10.61	2.17	1.59	1
2.70	0.72	0.23	10.61	2.16	1.58	1
2.52	0.67	0.22	10.61	2.15	1.57	1
2.34	0.62	0.20	10.61	2.14	1.57	1
2.16	0.57	0.19	10.61	2.13	1.56	1
1.98	0.52	0.17	10.61	2.12	1.56	1
1.80	0.47	0.16	10.61	2.11	1.55	1
1.62	0.43	0.14	10.61	2.10	1.54	1
1.44	0.38	0.12	10.61	2.09	1.54	1
1.26	0.33	0.11	10.61	2.08	1.53	1
1.08	0.28	0.09	10.61	2.07	1.53	1
0.90	0.24	0.08	10.61	2.06	1.52	1
0.72	0.19	0.06	10.61	2.05	1.51	1
0.54	0.14	0.05	10.61	2.04	1.51	1
0.36	0.09	0.03	10.61	2.03	1.50	1

0.18	0.05	0.02	B145.pso			
0.00	0.00	0.00	10.61	2.01	1.49	1
			10.61	2.00	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.58	0.00	0.00	0.00	0.00	0.00	1
4.55	2.23	2.23	0.00	0.00	0.00	1
4.52	4.47	4.47	0.00	0.00	0.00	1
4.49	6.70	6.70	0.00	0.00	0.00	1
4.46	8.93	8.93	0.00	0.00	0.00	1
4.43	11.16	11.16	0.00	0.00	0.00	1
4.40	13.40	13.40	0.00	0.00	0.00	1
4.37	15.63	15.63	0.00	0.00	0.00	1
4.34	17.86	17.86	0.00	0.00	0.00	1
4.30	20.10	20.10	0.00	0.00	0.00	1
4.27	22.33	22.33	0.00	0.00	0.00	1
4.24	24.56	24.56	0.00	0.00	0.00	1
4.21	26.80	26.80	0.00	0.00	0.00	1
4.18	29.03	29.03	0.00	0.00	0.00	1
4.15	31.26	31.26	0.00	0.00	0.00	1
4.12	33.49	33.49	0.00	0.00	0.00	1
4.09	35.73	35.73	0.00	0.00	0.00	1
4.06	37.96	37.96	0.00	0.00	0.00	1
4.03	40.19	40.19	0.00	0.00	0.00	1
4.00	42.43	42.43	0.00	0.00	0.00	1
3.97	44.66	44.66	0.00	0.00	0.00	1
3.94	46.89	46.89	0.00	0.00	0.00	1
3.90	49.13	49.13	0.00	0.00	0.00	1
3.87	51.36	51.36	0.00	0.00	0.00	1
3.84	53.59	53.59	0.00	0.00	0.00	1
3.81	55.82	50.75	0.00	0.00	5.08	1
3.81	58.06	58.06	0.00	0.00	5.08	1
3.76	60.97	49.66	11.31	3.05	12.70	1
3.72	65.70	53.55	19.32	6.14	10.45	1
3.67	70.48	49.41	27.14	9.29	16.22	1
3.62	75.30	47.19	34.75	12.47	20.07	1
3.57	80.16	45.13	42.12	15.70	23.77	1
3.52	85.06	43.22	49.25	18.95	27.31	1
3.46	89.98	41.49	56.14	22.24	30.68	1
3.41	94.93	39.92	62.79	25.56	33.88	1
3.36	99.91	38.53	69.21	28.90	36.91	1
3.31	104.90	37.30	75.41	32.26	39.77	1
3.26	109.91	36.23	81.41	35.64	42.47	1
3.21	114.94	35.32	87.22	39.03	45.02	1
3.15	119.97	34.55	92.86	42.43	47.43	1
3.10	125.01	33.92	98.36	45.83	49.70	1
3.05	130.06	33.40	103.72	49.25	51.84	1
2.99	135.11	33.01	108.96	52.66	53.88	1
2.94	140.17	32.71	114.09	56.08	55.81	1
2.89	145.22	32.51	119.13	59.50	57.64	1
2.83	150.27	32.40	124.09	62.92	59.39	1
2.78	155.32	32.36	128.98	66.33	61.06	1
2.73	160.37	32.39	133.80	69.75	62.67	1
2.67	165.42	32.48	138.57	73.15	64.21	1
2.62	170.46	32.62	143.29	76.56	65.70	1
2.57	175.49	32.82	147.97	79.96	67.15	1
2.51	180.52	33.05	152.61	83.35	68.55	1
2.51	180.52	27.91	152.61	83.35	68.55	1
2.46	185.54	33.29	157.25	86.74	69.94	1
2.41	190.56	33.56	161.85	90.13	71.31	1
2.36	195.57	33.87	166.43	93.50	72.64	1

			B145.pso			
2.30	200.58	34.20	170.98	96.87	73.94	1
2.25	205.58	34.56	175.51	100.24	75.22	1
2.20	210.57	34.94	180.01	103.59	76.47	1
2.14	215.55	35.34	184.50	106.94	77.70	1
2.09	220.53	35.76	188.97	110.28	78.92	1
2.04	225.50	36.19	193.42	113.62	80.12	1
1.99	230.46	36.64	197.85	116.94	81.31	1
1.93	235.41	37.10	202.27	120.26	82.49	1
1.88	240.36	37.57	206.67	123.57	83.65	1
1.83	245.30	38.05	211.06	126.88	84.80	1
1.78	250.23	38.54	215.44	130.17	85.95	1
1.73	255.15	39.04	219.80	133.46	87.08	1
1.67	260.06	39.55	224.14	136.73	88.21	1
1.62	264.97	40.06	228.48	140.00	89.33	1
1.57	269.86	40.58	232.80	143.27	90.44	1
1.52	274.75	41.11	237.10	146.52	91.55	1
1.47	279.63	41.65	241.39	149.76	92.65	1
1.42	284.50	42.19	245.67	153.00	93.74	1
1.37	289.36	42.74	249.94	156.22	94.83	1
1.32	294.21	43.29	254.19	159.44	95.91	1
1.27	299.06	43.85	258.43	162.65	96.99	1
1.22	303.89	44.42	262.65	165.85	98.06	1
1.22	303.89	41.24	262.65	165.85	98.06	1
1.16	308.72	44.98	266.86	169.04	99.13	1
1.11	313.54	45.55	271.06	172.22	100.19	1
1.06	318.34	46.13	275.25	175.40	101.24	1
1.01	323.14	46.72	279.42	178.56	102.29	1
0.96	327.93	47.31	283.57	181.72	103.33	1
0.92	332.71	47.91	287.71	184.86	104.37	1
0.87	337.48	48.52	291.83	188.00	105.40	1
0.82	342.24	49.14	295.94	191.12	106.41	1
0.77	346.99	49.76	300.03	194.24	107.42	1
0.72	351.74	50.79	304.10	197.35	108.03	1
0.67	356.47	52.08	308.15	200.44	108.37	1
0.62	361.19	53.39	312.19	203.53	108.70	1
0.57	365.90	54.72	316.21	206.60	109.01	1
0.52	370.60	56.06	319.80	209.67	109.30	1
0.47	375.29	57.42	323.06	212.73	109.57	1
0.43	379.97	58.80	326.29	215.77	109.83	1
0.38	204.65	60.20	144.45	211.25	-66.80	1
0.33	209.27	61.62	147.66	214.23	-66.58	1
0.28	213.88	63.05	150.84	217.21	-66.37	1
0.24	218.48	64.49	153.99	220.18	-66.19	1
0.19	223.07	65.95	157.12	223.13	-66.01	1
0.14	227.65	67.43	160.22	226.07	-65.85	1
0.09	232.22	68.92	163.30	229.01	-65.71	1
0.05	236.78	70.43	166.35	231.93	-65.58	1
0.00	241.32	71.95	169.38	234.84	0.00	1

Time = 210. Degree of Consolidation = 93.0%

Total Settlement = 11.918

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 210. = 11.615

Settlement caused by Secondary Compression at time 210. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 3.08

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	4.53	1.42	10.61	1.98	1.98	1
16.38	4.50	1.41	10.61	1.98	1.98	1
16.26	4.46	1.40	10.61	1.98	1.98	1
16.14	4.43	1.39	10.61	1.98	1.98	1
16.02	4.40	1.38	10.61	1.98	1.98	1
15.90	4.37	1.37	10.61	1.98	1.98	1
15.78	4.34	1.36	10.61	1.98	1.98	1
15.66	4.31	1.35	10.61	1.98	1.98	1
15.54	4.28	1.34	10.61	1.98	1.98	1
15.42	4.25	1.33	10.61	1.98	1.98	1
15.30	4.22	1.32	10.61	1.98	1.98	1
15.18	4.19	1.31	10.61	1.98	1.98	1
15.06	4.16	1.30	10.61	1.98	1.98	1
14.94	4.13	1.29	10.61	1.98	1.98	1
14.82	4.10	1.28	10.61	1.98	1.98	1
14.70	4.06	1.27	10.61	1.98	1.98	1
14.58	4.03	1.26	10.61	1.98	1.98	1
14.46	4.00	1.25	10.61	1.98	1.98	1
14.34	3.97	1.24	10.61	1.98	1.98	1
14.22	3.94	1.22	10.61	1.98	1.98	1
14.10	3.91	1.21	10.61	1.98	1.98	1
13.98	3.88	1.20	10.61	1.98	1.98	1
13.86	3.85	1.19	10.61	1.98	1.98	1
13.74	3.82	1.18	10.61	1.98	1.98	1
13.62	3.79	1.17	10.61	1.98	1.98	1
13.50	3.76	1.16	10.61	2.12	1.98	1
13.50	3.76	1.16	10.61	2.12	1.98	1
13.32	3.71	1.15	10.61	2.11	2.11	1
13.14	3.66	1.13	10.61	2.13	2.09	1
12.96	3.61	1.12	10.61	2.16	2.08	1
12.78	3.56	1.10	10.61	2.18	2.07	1
12.60	3.51	1.09	10.61	2.21	2.06	1
12.42	3.46	1.07	10.61	2.23	2.04	1
12.24	3.41	1.05	10.61	2.25	2.03	1
12.06	3.36	1.04	10.61	2.27	2.02	1
11.88	3.31	1.02	10.61	2.28	2.01	1
11.70	3.26	1.01	10.61	2.30	1.99	1
11.52	3.21	0.99	10.61	2.31	1.98	1
11.34	3.16	0.98	10.61	2.32	1.97	1
11.16	3.11	0.96	10.61	2.33	1.96	1
10.98	3.05	0.95	10.61	2.34	1.94	1
10.80	3.00	0.93	10.61	2.35	1.93	1
10.62	2.95	0.91	10.61	2.35	1.92	1
10.44	2.90	0.90	10.61	2.36	1.91	1
10.26	2.85	0.88	10.61	2.36	1.89	1
10.08	2.79	0.87	10.61	2.36	1.88	1
9.90	2.74	0.85	10.61	2.37	1.87	1
9.72	2.69	0.84	10.61	2.37	1.86	1
9.54	2.64	0.82	10.61	2.37	1.84	1
9.36	2.58	0.81	10.61	2.37	1.83	1
9.18	2.53	0.79	10.61	2.36	1.82	1
9.00	2.48	0.78	10.61	2.36	1.81	1
9.00	2.48	0.78	10.61	2.36	1.79	1

			B145.pso			
8.82	2.43	0.76	10.61	2.36	1.79	1
8.64	2.38	0.74	10.61	2.36	1.79	1
8.46	2.32	0.73	10.61	2.35	1.78	1
8.28	2.27	0.71	10.61	2.35	1.77	1
8.10	2.22	0.70	10.61	2.35	1.77	1
7.92	2.17	0.68	10.61	2.34	1.76	1
7.74	2.12	0.67	10.61	2.34	1.75	1
7.56	2.07	0.65	10.61	2.33	1.75	1
7.38	2.01	0.64	10.61	2.33	1.74	1
7.20	1.96	0.62	10.61	2.32	1.74	1
7.02	1.91	0.60	10.61	2.31	1.73	1
6.84	1.86	0.59	10.61	2.31	1.72	1
6.66	1.81	0.57	10.61	2.30	1.72	1
6.48	1.76	0.56	10.61	2.30	1.71	1
6.30	1.71	0.54	10.61	2.29	1.71	1
6.12	1.65	0.53	10.61	2.28	1.70	1
5.94	1.60	0.51	10.61	2.27	1.69	1
5.76	1.55	0.50	10.61	2.27	1.69	1
5.58	1.50	0.48	10.61	2.26	1.68	1
5.40	1.45	0.47	10.61	2.25	1.67	1
5.22	1.40	0.45	10.61	2.24	1.67	1
5.04	1.35	0.43	10.61	2.24	1.66	1
4.86	1.30	0.42	10.61	2.23	1.66	1
4.68	1.25	0.40	10.61	2.22	1.65	1
4.50	1.20	0.39	10.61	2.21	1.64	1
4.50	1.20	0.39	10.61	2.21	1.64	1
4.32	1.15	0.37	10.61	2.21	1.64	1
4.14	1.10	0.36	10.61	2.20	1.63	1
3.96	1.05	0.34	10.61	2.19	1.62	1
3.78	1.00	0.33	10.61	2.18	1.62	1
3.60	0.95	0.31	10.61	2.17	1.61	1
3.42	0.91	0.29	10.61	2.16	1.61	1
3.24	0.86	0.28	10.61	2.15	1.60	1
3.06	0.81	0.26	10.61	2.15	1.59	1
2.88	0.76	0.25	10.61	2.14	1.59	1
2.70	0.71	0.23	10.61	2.13	1.58	1
2.52	0.66	0.22	10.61	2.12	1.57	1
2.34	0.61	0.20	10.61	2.11	1.57	1
2.16	0.57	0.19	10.61	2.10	1.56	1
1.98	0.52	0.17	10.61	2.09	1.56	1
1.80	0.47	0.16	10.61	2.08	1.55	1
1.62	0.42	0.14	10.61	2.07	1.54	1
1.44	0.37	0.12	10.61	2.06	1.54	1
1.26	0.33	0.11	10.61	2.05	1.53	1
1.08	0.28	0.09	10.61	2.04	1.53	1
0.90	0.23	0.08	10.61	2.03	1.52	1
0.72	0.19	0.06	10.61	2.02	1.51	1
0.54	0.14	0.05	10.61	2.01	1.51	1
0.36	0.09	0.03	10.61	2.00	1.50	1
0.18	0.05	0.02	10.61	1.99	1.49	1
0.00	0.00	0.00	10.61	1.97	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.53	0.00	0.00	0.00	0.00	0.00	1
4.50	2.23	2.23	0.00	0.00	0.00	1
4.46	4.47	4.47	0.00	0.00	0.00	1
4.43	6.70	6.70	0.00	0.00	0.00	1
4.40	8.93	8.93	0.00	0.00	0.00	1
4.37	11.16	11.16	0.00	0.00	0.00	1
4.34	13.40	13.40	0.00	0.00	0.00	1

			B145.pso			
4.31	15.63	15.63	0.00	0.00	0.00	1
4.28	17.86	17.86	0.00	0.00	0.00	1
4.25	20.10	20.10	0.00	0.00	0.00	1
4.22	22.33	22.33	0.00	0.00	0.00	1
4.19	24.56	24.56	0.00	0.00	0.00	1
4.16	26.80	26.80	0.00	0.00	0.00	1
4.13	29.03	29.03	0.00	0.00	0.00	1
4.10	31.26	31.26	0.00	0.00	0.00	1
4.06	33.49	33.49	0.00	0.00	0.00	1
4.03	35.73	35.73	0.00	0.00	0.00	1
4.00	37.96	37.96	0.00	0.00	0.00	1
3.97	40.19	40.19	0.00	0.00	0.00	1
3.94	42.43	42.43	0.00	0.00	0.00	1
3.91	44.66	44.66	0.00	0.00	0.00	1
3.88	46.89	46.89	0.00	0.00	0.00	1
3.85	49.13	49.13	0.00	0.00	0.00	1
3.82	51.36	51.36	0.00	0.00	0.00	1
3.79	53.59	53.59	0.00	0.00	0.00	1
3.76	55.82	50.75	0.00	0.00	5.08	1
3.76	58.06	58.06	0.00	0.00	5.08	1
3.71	60.97	49.66	11.31	3.05	12.70	1
3.66	65.70	54.95	19.32	6.14	9.05	1
3.61	70.48	51.54	27.14	9.29	14.09	1
3.56	75.30	49.16	34.75	12.47	18.11	1
3.51	80.16	47.64	42.12	15.70	21.26	1
3.46	85.06	46.23	49.25	18.95	24.31	1
3.41	89.98	44.92	56.14	22.24	27.25	1
3.36	94.93	43.72	62.79	25.56	30.08	1
3.31	99.91	42.64	69.21	28.90	32.80	1
3.26	104.90	41.66	75.41	32.26	35.41	1
3.21	109.91	40.79	81.41	35.64	37.92	1
3.16	114.94	40.03	87.22	39.03	40.32	1
3.11	119.97	39.36	92.86	42.43	42.61	1
3.05	125.01	38.80	98.36	45.83	44.82	1
3.00	130.06	38.32	103.72	49.25	46.93	1
2.95	135.11	37.93	108.96	52.66	48.96	1
2.90	140.17	37.62	114.09	56.08	50.90	1
2.85	145.22	37.38	119.13	59.50	52.77	1
2.79	150.27	37.21	124.09	62.92	54.57	1
2.74	155.32	37.11	128.98	66.33	56.31	1
2.69	160.37	37.07	133.80	69.75	57.99	1
2.64	165.42	37.08	138.57	73.15	59.62	1
2.58	170.46	37.13	143.29	76.56	61.19	1
2.53	175.49	37.24	147.97	79.96	62.73	1
2.48	180.52	37.38	152.61	83.35	64.22	1
2.48	180.52	27.91	152.61	83.35	64.22	1
2.43	185.54	37.53	157.25	86.74	65.71	1
2.38	190.56	37.71	161.85	90.13	67.16	1
2.32	195.57	37.92	166.43	93.50	68.58	1
2.27	200.58	38.17	170.98	96.87	69.97	1
2.22	205.58	38.44	175.51	100.24	71.33	1
2.17	210.57	38.74	180.01	103.59	72.67	1
2.12	215.55	39.06	184.50	106.94	73.99	1
2.07	220.53	39.40	188.97	110.28	75.28	1
2.01	225.50	39.75	193.42	113.62	76.56	1
1.96	230.46	40.13	197.85	116.94	77.82	1
1.91	235.41	40.52	202.27	120.26	79.06	1
1.86	240.36	40.93	206.67	123.57	80.29	1
1.81	245.30	41.35	211.06	126.88	81.51	1
1.76	250.23	41.78	215.44	130.17	82.71	1
1.71	255.15	42.22	219.80	133.46	83.91	1
1.65	260.06	42.67	224.14	136.73	85.09	1
1.60	264.97	43.13	228.48	140.00	86.26	1

			B145.pso			
1.55	269.86	43.60	232.80	143.27	87.42	1
1.50	274.75	44.08	237.10	146.52	88.58	1
1.45	279.63	44.57	241.39	149.76	89.72	1
1.40	284.50	45.07	245.67	153.00	90.86	1
1.35	289.36	45.58	249.94	156.22	91.99	1
1.30	294.21	46.09	254.19	159.44	93.11	1
1.25	299.06	46.61	258.43	162.65	94.23	1
1.20	303.89	47.14	262.65	165.85	95.33	1
1.20	303.89	41.24	262.65	165.85	95.33	1
1.15	308.72	47.67	266.86	169.04	96.44	1
1.10	313.54	48.20	271.06	172.22	97.54	1
1.05	318.34	48.75	275.25	175.40	98.63	1
1.00	323.14	49.30	279.42	178.56	99.71	1
0.95	327.93	49.86	283.57	181.72	100.78	1
0.91	332.71	50.87	287.71	184.86	101.41	1
0.86	337.48	52.03	291.83	188.00	101.88	1
0.81	342.24	53.22	295.94	191.12	102.34	1
0.76	346.99	54.41	300.03	194.24	102.77	1
0.71	351.74	55.63	304.10	197.35	103.19	1
0.66	356.47	56.86	308.15	200.44	103.59	1
0.61	361.19	58.12	312.19	203.53	103.98	1
0.57	365.90	59.38	316.21	206.60	104.35	1
0.52	370.60	60.66	319.80	209.67	104.70	1
0.47	375.29	61.96	323.06	212.73	105.04	1
0.42	199.41	63.27	136.14	205.04	-68.90	1
0.37	204.01	64.60	139.41	208.00	-68.60	1
0.33	208.60	65.94	142.66	210.96	-68.30	1
0.28	213.18	67.30	145.88	213.90	-68.02	1
0.23	217.75	68.67	149.08	216.84	-67.76	1
0.19	222.31	70.05	152.26	219.76	-67.51	1
0.14	226.86	71.45	155.41	222.68	-67.27	1
0.09	231.40	72.86	158.54	225.58	-67.04	1
0.05	235.92	74.28	161.65	228.47	-66.83	1
0.00	240.44	75.71	164.73	231.36	0.00	1

Time = 240. Degree of Consolidation = 93.0%

Total Settlement = 11.974

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 240. = 11.671

Settlement caused by Secondary Compression at time 240. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 3.03

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eop	Material
16.50	4.48	1.42	10.61	1.98	1.98	1
16.38	4.45	1.41	10.61	1.98	1.98	1
16.26	4.42	1.40	10.61	1.98	1.98	1
16.14	4.39	1.39	10.61	1.98	1.98	1

			B145.pso			
16.02	4.36	1.38	10.61	1.98	1.98	1
15.90	4.33	1.37	10.61	1.98	1.98	1
15.78	4.30	1.36	10.61	1.98	1.98	1
15.66	4.26	1.35	10.61	1.98	1.98	1
15.54	4.23	1.34	10.61	1.98	1.98	1
15.42	4.20	1.33	10.61	1.98	1.98	1
15.30	4.17	1.32	10.61	1.98	1.98	1
15.18	4.14	1.31	10.61	1.98	1.98	1
15.06	4.11	1.30	10.61	1.98	1.98	1
14.94	4.08	1.29	10.61	1.98	1.98	1
14.82	4.05	1.28	10.61	1.98	1.98	1
14.70	4.02	1.27	10.61	1.98	1.98	1
14.58	3.99	1.26	10.61	1.98	1.98	1
14.46	3.96	1.25	10.61	1.98	1.98	1
14.34	3.93	1.24	10.61	1.98	1.98	1
14.22	3.90	1.22	10.61	1.98	1.98	1
14.10	3.86	1.21	10.61	1.98	1.98	1
13.98	3.83	1.20	10.61	1.98	1.98	1
13.86	3.80	1.19	10.61	1.98	1.98	1
13.74	3.77	1.18	10.61	1.98	1.98	1
13.62	3.74	1.17	10.61	1.98	1.98	1
13.50	3.71	1.16	10.61	2.12	1.98	1
13.50	3.71	1.16	10.61	2.12	1.98	1
13.32	3.66	1.15	10.61	2.11	2.11	1
13.14	3.61	1.13	10.61	2.13	2.09	1
12.96	3.56	1.12	10.61	2.14	2.08	1
12.78	3.52	1.10	10.61	2.16	2.07	1
12.60	3.47	1.09	10.61	2.18	2.06	1
12.42	3.42	1.07	10.61	2.20	2.04	1
12.24	3.37	1.05	10.61	2.21	2.03	1
12.06	3.32	1.04	10.61	2.23	2.02	1
11.88	3.27	1.02	10.61	2.24	2.01	1
11.70	3.22	1.01	10.61	2.25	1.99	1
11.52	3.17	0.99	10.61	2.26	1.98	1
11.34	3.12	0.98	10.61	2.27	1.97	1
11.16	3.07	0.96	10.61	2.28	1.96	1
10.98	3.01	0.95	10.61	2.29	1.94	1
10.80	2.96	0.93	10.61	2.29	1.93	1
10.62	2.91	0.91	10.61	2.30	1.92	1
10.44	2.86	0.90	10.61	2.30	1.91	1
10.26	2.81	0.88	10.61	2.31	1.89	1
10.08	2.76	0.87	10.61	2.31	1.88	1
9.90	2.71	0.85	10.61	2.31	1.87	1
9.72	2.66	0.84	10.61	2.31	1.86	1
9.54	2.60	0.82	10.61	2.31	1.84	1
9.36	2.55	0.81	10.61	2.31	1.83	1
9.18	2.50	0.79	10.61	2.31	1.82	1
9.00	2.45	0.78	10.61	2.31	1.81	1
9.00	2.45	0.78	10.61	2.31	1.79	1
8.82	2.40	0.76	10.61	2.31	1.79	1
8.64	2.35	0.74	10.61	2.30	1.79	1
8.46	2.30	0.73	10.61	2.30	1.78	1
8.28	2.25	0.71	10.61	2.30	1.77	1
8.10	2.19	0.70	10.61	2.30	1.77	1
7.92	2.14	0.68	10.61	2.29	1.76	1
7.74	2.09	0.67	10.61	2.29	1.75	1
7.56	2.04	0.65	10.61	2.28	1.75	1
7.38	1.99	0.64	10.61	2.28	1.74	1
7.20	1.94	0.62	10.61	2.27	1.74	1
7.02	1.89	0.60	10.61	2.27	1.73	1
6.84	1.84	0.59	10.61	2.26	1.72	1
6.66	1.79	0.57	10.61	2.26	1.72	1
6.48	1.74	0.56	10.61	2.25	1.71	1

			B145.pso			
6.30	1.69	0.54	10.61	2.25	1.71	1
6.12	1.64	0.53	10.61	2.24	1.70	1
5.94	1.59	0.51	10.61	2.23	1.69	1
5.76	1.54	0.50	10.61	2.23	1.69	1
5.58	1.49	0.48	10.61	2.22	1.68	1
5.40	1.44	0.47	10.61	2.21	1.67	1
5.22	1.39	0.45	10.61	2.21	1.67	1
5.04	1.34	0.43	10.61	2.20	1.66	1
4.86	1.29	0.42	10.61	2.19	1.66	1
4.68	1.24	0.40	10.61	2.18	1.65	1
4.50	1.19	0.39	10.61	2.18	1.64	1
4.50	1.19	0.39	10.61	2.18	1.64	1
4.32	1.14	0.37	10.61	2.17	1.64	1
4.14	1.09	0.36	10.61	2.16	1.63	1
3.96	1.04	0.34	10.61	2.15	1.62	1
3.78	0.99	0.33	10.61	2.15	1.62	1
3.60	0.94	0.31	10.61	2.14	1.61	1
3.42	0.90	0.29	10.61	2.13	1.61	1
3.24	0.85	0.28	10.61	2.12	1.60	1
3.06	0.80	0.26	10.61	2.11	1.59	1
2.88	0.75	0.25	10.61	2.10	1.59	1
2.70	0.70	0.23	10.61	2.09	1.58	1
2.52	0.66	0.22	10.61	2.09	1.57	1
2.34	0.61	0.20	10.61	2.08	1.57	1
2.16	0.56	0.19	10.61	2.07	1.56	1
1.98	0.51	0.17	10.61	2.06	1.56	1
1.80	0.46	0.16	10.61	2.05	1.55	1
1.62	0.42	0.14	10.61	2.04	1.54	1
1.44	0.37	0.12	10.61	2.03	1.54	1
1.26	0.32	0.11	10.61	2.02	1.53	1
1.08	0.28	0.09	10.61	2.01	1.53	1
0.90	0.23	0.08	10.61	2.00	1.52	1
0.72	0.18	0.06	10.61	1.99	1.51	1
0.54	0.14	0.05	10.61	1.98	1.51	1
0.36	0.09	0.03	10.61	1.97	1.50	1
0.18	0.05	0.02	10.61	1.96	1.49	1
0.00	0.00	0.00	10.61	1.95	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.48	0.00	0.00	0.00	0.00	0.00	1
4.45	2.23	2.23	0.00	0.00	0.00	1
4.42	4.47	4.47	0.00	0.00	0.00	1
4.39	6.70	6.70	0.00	0.00	0.00	1
4.36	8.93	8.93	0.00	0.00	0.00	1
4.33	11.16	11.16	0.00	0.00	0.00	1
4.30	13.40	13.40	0.00	0.00	0.00	1
4.26	15.63	15.63	0.00	0.00	0.00	1
4.23	17.86	17.86	0.00	0.00	0.00	1
4.20	20.10	20.10	0.00	0.00	0.00	1
4.17	22.33	22.33	0.00	0.00	0.00	1
4.14	24.56	24.56	0.00	0.00	0.00	1
4.11	26.80	26.80	0.00	0.00	0.00	1
4.08	29.03	29.03	0.00	0.00	0.00	1
4.05	31.26	31.26	0.00	0.00	0.00	1
4.02	33.49	33.49	0.00	0.00	0.00	1
3.99	35.73	35.73	0.00	0.00	0.00	1
3.96	37.96	37.96	0.00	0.00	0.00	1
3.93	40.19	40.19	0.00	0.00	0.00	1
3.90	42.43	42.43	0.00	0.00	0.00	1
3.86	44.66	44.66	0.00	0.00	0.00	1

			B145.pso			
3.83	46.89	46.89	0.00	0.00	0.00	1
3.80	49.13	49.13	0.00	0.00	0.00	1
3.77	51.36	51.36	0.00	0.00	0.00	1
3.74	53.59	53.59	0.00	0.00	0.00	1
3.71	55.82	50.75	0.00	0.00	5.08	1
3.71	58.06	58.06	0.00	0.00	5.08	1
3.66	60.97	49.66	11.31	3.05	12.70	1
3.61	65.70	55.86	19.32	6.14	8.14	1
3.56	70.48	53.30	27.14	9.29	12.33	1
3.52	75.30	50.88	34.75	12.47	16.38	1
3.47	80.16	49.30	42.12	15.70	19.60	1
3.42	85.06	48.23	49.25	18.95	22.30	1
3.37	89.98	47.23	56.14	22.24	24.94	1
3.32	94.93	46.31	62.79	25.56	27.50	1
3.27	99.91	45.46	69.21	28.90	29.98	1
3.22	104.90	44.69	75.41	32.26	32.38	1
3.17	109.91	44.00	81.41	35.64	34.71	1
3.12	114.94	43.38	87.22	39.03	36.97	1
3.07	119.97	42.83	92.86	42.43	39.15	1
3.01	125.01	42.36	98.36	45.83	41.26	1
2.96	130.06	41.95	103.72	49.25	43.30	1
2.91	135.11	41.61	108.96	52.66	45.27	1
2.86	140.17	41.33	114.09	56.08	47.19	1
2.81	145.22	41.11	119.13	59.50	49.04	1
2.76	150.27	40.94	124.09	62.92	50.84	1
2.71	155.32	40.83	128.98	66.33	52.59	1
2.66	160.37	40.77	133.80	69.75	54.29	1
2.60	165.42	40.75	138.57	73.15	55.95	1
2.55	170.46	40.77	143.29	76.56	57.56	1
2.50	175.49	40.83	147.97	79.96	59.13	1
2.45	180.52	40.93	152.61	83.35	60.67	1
2.45	180.52	27.91	152.61	83.35	60.67	1
2.40	185.54	41.03	157.25	86.74	62.20	1
2.35	190.56	41.16	161.85	90.13	63.71	1
2.30	195.57	41.33	166.43	93.50	65.18	1
2.25	200.58	41.52	170.98	96.87	66.62	1
2.19	205.58	41.74	175.51	100.24	68.04	1
2.14	210.57	41.98	180.01	103.59	69.43	1
2.09	215.55	42.24	184.50	106.94	70.80	1
2.04	220.53	42.53	188.97	110.28	72.15	1
1.99	225.50	42.83	193.42	113.62	73.48	1
1.94	230.46	43.16	197.85	116.94	74.79	1
1.89	235.41	43.50	202.27	120.26	76.09	1
1.84	240.36	43.85	206.67	123.57	77.37	1
1.79	245.30	44.22	211.06	126.88	78.63	1
1.74	250.23	44.61	215.44	130.17	79.88	1
1.69	255.15	45.00	219.80	133.46	81.12	1
1.64	260.06	45.41	224.14	136.73	82.35	1
1.59	264.97	45.83	228.48	140.00	83.56	1
1.54	269.86	46.26	232.80	143.27	84.77	1
1.49	274.75	46.70	237.10	146.52	85.96	1
1.44	279.63	47.15	241.39	149.76	87.14	1
1.39	284.50	47.62	245.67	153.00	88.32	1
1.34	289.36	48.09	249.94	156.22	89.48	1
1.29	294.21	48.57	254.19	159.44	90.63	1
1.24	299.06	49.08	258.43	162.65	91.76	1
1.19	303.89	49.62	262.65	165.85	92.85	1
1.19	303.89	41.24	262.65	165.85	92.85	1
1.14	308.72	50.16	266.86	169.04	93.95	1
1.09	313.54	51.15	271.06	172.22	94.60	1
1.04	318.34	52.18	275.25	175.40	95.20	1
0.99	323.14	53.23	279.42	178.56	95.78	1
0.94	327.93	54.31	283.57	181.72	96.33	1

			B145.pso			
0.90	332.71	55.41	287.71	184.86	96.87	1
0.85	337.48	56.53	291.83	188.00	97.39	1
0.80	342.24	57.66	295.94	191.12	97.89	1
0.75	346.99	58.81	300.03	194.24	98.38	1
0.70	351.74	59.98	304.10	197.35	98.85	1
0.66	356.47	61.16	308.15	200.44	99.30	1
0.61	361.19	62.36	312.19	203.53	99.74	1
0.56	365.90	63.57	316.21	206.60	100.16	1
0.51	370.60	64.80	319.80	209.67	100.57	1
0.46	194.81	66.04	128.78	199.48	-70.70	1
0.42	199.39	67.29	132.10	202.42	-70.32	1
0.37	203.96	68.56	135.40	205.36	-69.95	1
0.32	208.52	69.84	138.68	208.28	-69.60	1
0.28	213.07	71.14	141.93	211.20	-69.26	1
0.23	217.62	72.45	145.17	214.10	-68.94	1
0.18	222.15	73.77	148.38	217.00	-68.62	1
0.14	226.67	75.10	151.57	219.89	-68.32	1
0.09	231.18	76.45	154.73	222.77	-68.03	1
0.05	235.69	77.81	157.88	225.63	-67.76	1
0.00	240.18	79.18	161.00	228.49	0.00	1

Time = 270. Degree of Consolidation = 93.0%

Total Settlement = 12.020

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 270. = 11.717

Settlement caused by Secondary Compression at time 270. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.98

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	4.37	1.42	10.61	1.98	1.98	1
16.38	4.34	1.41	10.61	1.98	1.98	1
16.26	4.31	1.40	10.61	1.98	1.98	1
16.14	4.28	1.39	10.61	1.98	1.98	1
16.02	4.25	1.38	10.61	1.98	1.98	1
15.90	4.22	1.37	10.61	1.98	1.98	1
15.78	4.19	1.36	10.61	1.98	1.98	1
15.66	4.16	1.35	10.61	1.98	1.98	1
15.54	4.12	1.34	10.61	1.98	1.98	1
15.42	4.09	1.33	10.61	1.98	1.98	1
15.30	4.06	1.32	10.61	1.98	1.98	1
15.18	4.03	1.31	10.61	1.98	1.98	1
15.06	4.00	1.30	10.61	1.98	1.98	1
14.94	3.97	1.29	10.61	1.98	1.98	1
14.82	3.94	1.28	10.61	1.98	1.98	1
14.70	3.91	1.27	10.61	1.98	1.98	1
14.58	3.88	1.26	10.61	1.98	1.98	1
14.46	3.85	1.25	10.61	1.98	1.98	1

			B145.pso			
14.34	3.82	1.24	10.61	1.98	1.98	1
14.22	3.79	1.22	10.61	1.98	1.98	1
14.10	3.76	1.21	10.61	1.98	1.98	1
13.98	3.72	1.20	10.61	1.98	1.98	1
13.86	3.69	1.19	10.61	1.98	1.98	1
13.74	3.66	1.18	10.61	1.98	1.98	1
13.62	3.63	1.17	10.61	1.98	1.98	1
13.50	3.60	1.16	10.61	2.12	1.98	1
13.50	3.60	1.16	10.61	2.12	1.98	1
13.32	3.55	1.15	10.61	2.11	2.11	1
13.14	3.50	1.13	10.61	2.11	2.09	1
12.96	3.46	1.12	10.61	2.12	2.08	1
12.78	3.41	1.10	10.61	2.13	2.07	1
12.60	3.36	1.09	10.61	2.14	2.06	1
12.42	3.31	1.07	10.61	2.14	2.04	1
12.24	3.26	1.05	10.61	2.15	2.03	1
12.06	3.21	1.04	10.61	2.15	2.02	1
11.88	3.16	1.02	10.61	2.16	2.01	1
11.70	3.11	1.01	10.61	2.16	1.99	1
11.52	3.07	0.99	10.61	2.17	1.98	1
11.34	3.02	0.98	10.61	2.17	1.97	1
11.16	2.97	0.96	10.61	2.18	1.96	1
10.98	2.92	0.95	10.61	2.18	1.94	1
10.80	2.87	0.93	10.61	2.18	1.93	1
10.62	2.82	0.91	10.61	2.18	1.92	1
10.44	2.77	0.90	10.61	2.19	1.91	1
10.26	2.72	0.88	10.61	2.19	1.89	1
10.08	2.67	0.87	10.61	2.19	1.88	1
9.90	2.62	0.85	10.61	2.19	1.87	1
9.72	2.57	0.84	10.61	2.19	1.86	1
9.54	2.52	0.82	10.61	2.19	1.84	1
9.36	2.47	0.81	10.61	2.19	1.83	1
9.18	2.42	0.79	10.61	2.19	1.82	1
9.00	2.37	0.78	10.61	2.19	1.81	1
9.00	2.37	0.78	10.61	2.19	1.79	1
8.82	2.33	0.76	10.61	2.19	1.79	1
8.64	2.28	0.74	10.61	2.18	1.79	1
8.46	2.23	0.73	10.61	2.18	1.78	1
8.28	2.18	0.71	10.61	2.18	1.77	1
8.10	2.13	0.70	10.61	2.18	1.77	1
7.92	2.08	0.68	10.61	2.17	1.76	1
7.74	2.03	0.67	10.61	2.17	1.75	1
7.56	1.98	0.65	10.61	2.17	1.75	1
7.38	1.93	0.64	10.61	2.16	1.74	1
7.20	1.88	0.62	10.61	2.16	1.74	1
7.02	1.83	0.60	10.61	2.16	1.73	1
6.84	1.78	0.59	10.61	2.15	1.72	1
6.66	1.74	0.57	10.61	2.15	1.72	1
6.48	1.69	0.56	10.61	2.14	1.71	1
6.30	1.64	0.54	10.61	2.14	1.71	1
6.12	1.59	0.53	10.61	2.13	1.70	1
5.94	1.54	0.51	10.61	2.13	1.69	1
5.76	1.49	0.50	10.61	2.12	1.69	1
5.58	1.44	0.48	10.61	2.12	1.68	1
5.40	1.40	0.47	10.61	2.11	1.67	1
5.22	1.35	0.45	10.61	2.10	1.67	1
5.04	1.30	0.43	10.61	2.10	1.66	1
4.86	1.25	0.42	10.61	2.09	1.66	1
4.68	1.20	0.40	10.61	2.08	1.65	1
4.50	1.16	0.39	10.61	2.08	1.64	1
4.50	1.16	0.39	10.61	2.08	1.64	1
4.32	1.11	0.37	10.61	2.07	1.64	1
4.14	1.06	0.36	10.61	2.06	1.63	1

			B145.pso			
3.96	1.01	0.34	10.61	2.06	1.62	1
3.78	0.97	0.33	10.61	2.05	1.62	1
3.60	0.92	0.31	10.61	2.04	1.61	1
3.42	0.87	0.29	10.61	2.04	1.61	1
3.24	0.82	0.28	10.61	2.03	1.60	1
3.06	0.78	0.26	10.61	2.02	1.59	1
2.88	0.73	0.25	10.61	2.01	1.59	1
2.70	0.68	0.23	10.61	2.01	1.58	1
2.52	0.64	0.22	10.61	2.00	1.57	1
2.34	0.59	0.20	10.61	1.99	1.57	1
2.16	0.55	0.19	10.61	1.98	1.56	1
1.98	0.50	0.17	10.61	1.97	1.56	1
1.80	0.45	0.16	10.61	1.96	1.55	1
1.62	0.41	0.14	10.61	1.96	1.54	1
1.44	0.36	0.12	10.61	1.95	1.54	1
1.26	0.32	0.11	10.61	1.94	1.53	1
1.08	0.27	0.09	10.61	1.93	1.53	1
0.90	0.22	0.08	10.61	1.92	1.52	1
0.72	0.18	0.06	10.61	1.91	1.51	1
0.54	0.13	0.05	10.61	1.90	1.51	1
0.36	0.09	0.03	10.61	1.89	1.50	1
0.18	0.04	0.02	10.61	1.89	1.49	1
0.00	0.00	0.00	10.61	1.88	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.37	0.00	0.00	0.00	0.00	0.00	1
4.34	2.23	2.23	0.00	0.00	0.00	1
4.31	4.47	4.47	0.00	0.00	0.00	1
4.28	6.70	6.70	0.00	0.00	0.00	1
4.25	8.93	8.93	0.00	0.00	0.00	1
4.22	11.16	11.16	0.00	0.00	0.00	1
4.19	13.40	13.40	0.00	0.00	0.00	1
4.16	15.63	15.63	0.00	0.00	0.00	1
4.12	17.86	17.86	0.00	0.00	0.00	1
4.09	20.10	20.10	0.00	0.00	0.00	1
4.06	22.33	22.33	0.00	0.00	0.00	1
4.03	24.56	24.56	0.00	0.00	0.00	1
4.00	26.80	26.80	0.00	0.00	0.00	1
3.97	29.03	29.03	0.00	0.00	0.00	1
3.94	31.26	31.26	0.00	0.00	0.00	1
3.91	33.49	33.49	0.00	0.00	0.00	1
3.88	35.73	35.73	0.00	0.00	0.00	1
3.85	37.96	37.96	0.00	0.00	0.00	1
3.82	40.19	40.19	0.00	0.00	0.00	1
3.79	42.43	42.43	0.00	0.00	0.00	1
3.76	44.66	44.66	0.00	0.00	0.00	1
3.72	46.89	46.89	0.00	0.00	0.00	1
3.69	49.13	49.13	0.00	0.00	0.00	1
3.66	51.36	51.36	0.00	0.00	0.00	1
3.63	53.59	53.59	0.00	0.00	0.00	1
3.60	55.82	50.75	0.00	0.00	5.08	1
3.60	58.06	58.06	0.00	0.00	5.08	1
3.55	60.97	49.66	11.31	3.05	12.70	1
3.50	65.70	57.47	19.32	6.14	6.53	1
3.46	70.48	56.44	27.14	9.29	9.19	1
3.41	75.30	55.46	34.75	12.47	11.80	1
3.36	80.16	54.53	42.12	15.70	14.37	1
3.31	85.06	53.66	49.25	18.95	16.87	1
3.26	89.98	52.84	56.14	22.24	19.32	1
3.21	94.93	52.09	62.79	25.56	21.72	1

			B145.pso			
3.16	99.91	51.38	69.21	28.90	24.05	1
3.11	104.90	50.74	75.41	32.26	26.33	1
3.07	109.91	50.16	81.41	35.64	28.55	1
3.02	114.94	49.82	87.22	39.03	30.53	1
2.97	119.97	49.58	92.86	42.43	32.40	1
2.92	125.01	49.38	98.36	45.83	34.24	1
2.87	130.06	49.20	103.72	49.25	36.05	1
2.82	135.11	49.05	108.96	52.66	37.83	1
2.77	140.17	48.94	114.09	56.08	39.58	1
2.72	145.22	48.84	119.13	59.50	41.31	1
2.67	150.27	48.78	124.09	62.92	43.01	1
2.62	155.32	48.74	128.98	66.33	44.68	1
2.57	160.37	48.73	133.80	69.75	46.33	1
2.52	165.42	48.74	138.57	73.15	47.95	1
2.47	170.46	48.78	143.29	76.56	49.55	1
2.42	175.49	48.84	147.97	79.96	51.12	1
2.37	180.52	48.92	152.61	83.35	52.68	1
2.37	180.52	27.91	152.61	83.35	52.68	1
2.33	185.54	49.00	157.25	86.74	54.23	1
2.28	190.56	49.11	161.85	90.13	55.76	1
2.23	195.57	49.23	166.43	93.50	57.27	1
2.18	200.58	49.38	170.98	96.87	58.76	1
2.13	205.58	49.54	175.51	100.24	60.23	1
2.08	210.57	49.73	180.01	103.59	61.68	1
2.03	215.55	49.93	184.50	106.94	63.11	1
1.98	220.53	50.30	188.97	110.28	64.38	1
1.93	225.50	50.77	193.42	113.62	65.54	1
1.88	230.46	51.28	197.85	116.94	66.67	1
1.83	235.41	51.82	202.27	120.26	67.77	1
1.78	240.36	52.39	206.67	123.57	68.83	1
1.74	245.30	52.98	211.06	126.88	69.87	1
1.69	250.23	53.61	215.44	130.17	70.88	1
1.64	255.15	54.27	219.80	133.46	71.86	1
1.59	260.06	54.95	224.14	136.73	72.81	1
1.54	264.97	55.65	228.48	140.00	73.74	1
1.49	269.86	56.38	232.80	143.27	74.65	1
1.44	274.75	57.14	237.10	146.52	75.53	1
1.40	279.63	57.91	241.39	149.76	76.39	1
1.35	284.50	58.71	245.67	153.00	77.22	1
1.30	289.36	59.53	249.94	156.22	78.04	1
1.25	294.21	60.37	254.19	159.44	78.83	1
1.20	299.06	61.23	258.43	162.65	79.61	1
1.16	303.89	62.11	262.65	165.85	80.36	1
1.16	303.89	41.24	262.65	165.85	80.36	1
1.11	308.72	62.99	266.86	169.04	81.12	1
1.06	313.54	63.88	271.06	172.22	81.86	1
1.01	318.34	64.80	275.25	175.40	82.58	1
0.97	323.14	65.73	279.42	178.56	83.28	1
0.92	327.93	66.68	283.57	181.72	83.97	1
0.87	332.71	67.65	287.71	184.86	84.63	1
0.82	337.48	68.63	291.83	188.00	85.29	1
0.78	342.24	69.63	295.94	191.12	85.93	1
0.73	346.99	70.64	300.03	194.24	86.55	1
0.68	351.74	71.67	304.10	197.35	87.16	1
0.64	356.47	72.71	308.15	200.44	87.75	1
0.59	361.19	73.76	312.19	203.53	88.33	1
0.55	365.90	74.83	316.21	206.60	88.90	1
0.50	186.86	75.91	110.94	190.55	-79.61	1
0.45	191.36	77.01	114.35	193.42	-79.07	1
0.41	195.86	78.12	117.74	196.29	-78.54	1
0.36	200.35	79.24	121.11	199.14	-78.03	1
0.32	204.84	80.38	124.46	201.99	-77.53	1
0.27	209.31	81.52	127.79	204.83	-77.04	1

			B145.pso			
0.22	213.78	82.68	131.09	207.66	-76.57	1
0.18	218.23	83.86	134.38	210.48	-76.11	1
0.13	222.68	85.04	137.64	213.30	-75.66	1
0.09	227.12	86.24	140.88	216.10	-75.22	1
0.04	231.55	87.45	144.10	218.90	-74.79	1
0.00	235.97	88.67	147.30	221.68	0.00	1

Time = 365. Degree of Consolidation = 94.%

Total Settlement = 12.129

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 365. = 11.826

Settlement caused by Secondary Compression at time 365. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.87

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	4.30	1.42	10.61	1.98	1.98	1
16.38	4.27	1.41	10.61	1.98	1.98	1
16.26	4.24	1.40	10.61	1.98	1.98	1
16.14	4.21	1.39	10.61	1.98	1.98	1
16.02	4.17	1.38	10.61	1.98	1.98	1
15.90	4.14	1.37	10.61	1.98	1.98	1
15.78	4.11	1.36	10.61	1.98	1.98	1
15.66	4.08	1.35	10.61	1.98	1.98	1
15.54	4.05	1.34	10.61	1.98	1.98	1
15.42	4.02	1.33	10.61	1.98	1.98	1
15.30	3.99	1.32	10.61	1.98	1.98	1
15.18	3.96	1.31	10.61	1.98	1.98	1
15.06	3.93	1.30	10.61	1.98	1.98	1
14.94	3.90	1.29	10.61	1.98	1.98	1
14.82	3.87	1.28	10.61	1.98	1.98	1
14.70	3.84	1.27	10.61	1.98	1.98	1
14.58	3.81	1.26	10.61	1.98	1.98	1
14.46	3.77	1.25	10.61	1.98	1.98	1
14.34	3.74	1.24	10.61	1.98	1.98	1
14.22	3.71	1.22	10.61	1.98	1.98	1
14.10	3.68	1.21	10.61	1.98	1.98	1
13.98	3.65	1.20	10.61	1.98	1.98	1
13.86	3.62	1.19	10.61	1.98	1.98	1
13.74	3.59	1.18	10.61	1.98	1.98	1
13.62	3.56	1.17	10.61	1.98	1.98	1
13.50	3.53	1.16	10.61	2.12	1.98	1
13.50	3.53	1.16	10.61	2.12	1.98	1
13.32	3.48	1.15	10.61	2.11	2.11	1
13.14	3.43	1.13	10.61	2.11	2.09	1
12.96	3.38	1.12	10.61	2.11	2.08	1
12.78	3.33	1.10	10.61	2.11	2.07	1
12.60	3.29	1.09	10.61	2.11	2.06	1

			B145.pso			
12.42	3.24	1.07	10.61	2.12	2.04	1
12.24	3.19	1.05	10.61	2.12	2.03	1
12.06	3.14	1.04	10.61	2.12	2.02	1
11.88	3.09	1.02	10.61	2.12	2.01	1
11.70	3.04	1.01	10.61	2.12	1.99	1
11.52	3.00	0.99	10.61	2.12	1.98	1
11.34	2.95	0.98	10.61	2.12	1.97	1
11.16	2.90	0.96	10.61	2.12	1.96	1
10.98	2.85	0.95	10.61	2.12	1.94	1
10.80	2.80	0.93	10.61	2.12	1.93	1
10.62	2.75	0.91	10.61	2.12	1.92	1
10.44	2.71	0.90	10.61	2.12	1.91	1
10.26	2.66	0.88	10.61	2.12	1.89	1
10.08	2.61	0.87	10.61	2.12	1.88	1
9.90	2.56	0.85	10.61	2.12	1.87	1
9.72	2.51	0.84	10.61	2.12	1.86	1
9.54	2.46	0.82	10.61	2.12	1.84	1
9.36	2.42	0.81	10.61	2.11	1.83	1
9.18	2.37	0.79	10.61	2.11	1.82	1
9.00	2.32	0.78	10.61	2.11	1.81	1
9.00	2.32	0.78	10.61	2.11	1.79	1
8.82	2.27	0.76	10.61	2.11	1.79	1
8.64	2.22	0.74	10.61	2.11	1.79	1
8.46	2.17	0.73	10.61	2.10	1.78	1
8.28	2.13	0.71	10.61	2.10	1.77	1
8.10	2.08	0.70	10.61	2.10	1.77	1
7.92	2.03	0.68	10.61	2.10	1.76	1
7.74	1.98	0.67	10.61	2.09	1.75	1
7.56	1.93	0.65	10.61	2.09	1.75	1
7.38	1.89	0.64	10.61	2.08	1.74	1
7.20	1.84	0.62	10.61	2.08	1.74	1
7.02	1.79	0.60	10.61	2.08	1.73	1
6.84	1.74	0.59	10.61	2.07	1.72	1
6.66	1.70	0.57	10.61	2.07	1.72	1
6.48	1.65	0.56	10.61	2.06	1.71	1
6.30	1.60	0.54	10.61	2.06	1.71	1
6.12	1.55	0.53	10.61	2.05	1.70	1
5.94	1.51	0.51	10.61	2.05	1.69	1
5.76	1.46	0.50	10.61	2.04	1.69	1
5.58	1.41	0.48	10.61	2.04	1.68	1
5.40	1.36	0.47	10.61	2.03	1.67	1
5.22	1.32	0.45	10.61	2.03	1.67	1
5.04	1.27	0.43	10.61	2.02	1.66	1
4.86	1.22	0.42	10.61	2.02	1.66	1
4.68	1.18	0.40	10.61	2.01	1.65	1
4.50	1.13	0.39	10.61	2.00	1.64	1
4.50	1.13	0.39	10.61	2.00	1.64	1
4.32	1.08	0.37	10.61	2.00	1.64	1
4.14	1.04	0.36	10.61	1.99	1.63	1
3.96	0.99	0.34	10.61	1.99	1.62	1
3.78	0.95	0.33	10.61	1.98	1.62	1
3.60	0.90	0.31	10.61	1.97	1.61	1
3.42	0.85	0.29	10.61	1.97	1.61	1
3.24	0.81	0.28	10.61	1.96	1.60	1
3.06	0.76	0.26	10.61	1.95	1.59	1
2.88	0.72	0.25	10.61	1.95	1.59	1
2.70	0.67	0.23	10.61	1.94	1.58	1
2.52	0.62	0.22	10.61	1.93	1.57	1
2.34	0.58	0.20	10.61	1.92	1.57	1
2.16	0.53	0.19	10.61	1.92	1.56	1
1.98	0.49	0.17	10.61	1.91	1.56	1
1.80	0.44	0.16	10.61	1.90	1.55	1
1.62	0.40	0.14	10.61	1.89	1.54	1

1.44	0.35	0.12	B145.pso 10.61	1.89	1.54	1
1.26	0.31	0.11	10.61	1.88	1.53	1
1.08	0.26	0.09	10.61	1.87	1.53	1
0.90	0.22	0.08	10.61	1.86	1.52	1
0.72	0.18	0.06	10.61	1.85	1.51	1
0.54	0.13	0.05	10.61	1.85	1.51	1
0.36	0.09	0.03	10.61	1.84	1.50	1
0.18	0.04	0.02	10.61	1.83	1.49	1
0.00	0.00	0.00	10.61	1.82	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.30	0.00	0.00	0.00	0.00	0.00	1
4.27	2.23	2.23	0.00	0.00	0.00	1
4.24	4.47	4.47	0.00	0.00	0.00	1
4.21	6.70	6.70	0.00	0.00	0.00	1
4.17	8.93	8.93	0.00	0.00	0.00	1
4.14	11.16	11.16	0.00	0.00	0.00	1
4.11	13.40	13.40	0.00	0.00	0.00	1
4.08	15.63	15.63	0.00	0.00	0.00	1
4.05	17.86	17.86	0.00	0.00	0.00	1
4.02	20.10	20.10	0.00	0.00	0.00	1
3.99	22.33	22.33	0.00	0.00	0.00	1
3.96	24.56	24.56	0.00	0.00	0.00	1
3.93	26.80	26.80	0.00	0.00	0.00	1
3.90	29.03	29.03	0.00	0.00	0.00	1
3.87	31.26	31.26	0.00	0.00	0.00	1
3.84	33.49	33.49	0.00	0.00	0.00	1
3.81	35.73	35.73	0.00	0.00	0.00	1
3.77	37.96	37.96	0.00	0.00	0.00	1
3.74	40.19	40.19	0.00	0.00	0.00	1
3.71	42.43	42.43	0.00	0.00	0.00	1
3.68	44.66	44.66	0.00	0.00	0.00	1
3.65	46.89	46.89	0.00	0.00	0.00	1
3.62	49.13	49.13	0.00	0.00	0.00	1
3.59	51.36	51.36	0.00	0.00	0.00	1
3.56	53.59	53.59	0.00	0.00	0.00	1
3.53	55.82	50.75	0.00	0.00	5.08	1
3.53	58.06	58.06	0.00	0.00	5.08	1
3.48	60.97	49.66	11.31	3.05	12.70	1
3.43	65.70	58.25	19.32	6.14	5.75	1
3.38	70.48	57.97	27.14	9.29	7.66	1
3.33	75.30	57.70	34.75	12.47	9.56	1
3.29	80.16	57.45	42.12	15.70	11.44	1
3.24	85.06	57.23	49.25	18.95	13.31	1
3.19	89.98	57.02	56.14	22.24	15.15	1
3.14	94.93	56.84	62.79	25.56	16.97	1
3.09	99.91	56.67	69.21	28.90	18.76	1
3.04	104.90	56.54	75.41	32.26	20.53	1
3.00	109.91	56.43	81.41	35.64	22.28	1
2.95	114.94	56.34	87.22	39.03	24.00	1
2.90	119.97	56.29	92.86	42.43	25.69	1
2.85	125.01	56.26	98.36	45.83	27.36	1
2.80	130.06	56.26	103.72	49.25	28.99	1
2.75	135.11	56.28	108.96	52.66	30.60	1
2.71	140.17	56.34	114.09	56.08	32.18	1
2.66	145.22	56.42	119.13	59.50	33.74	1
2.61	150.27	56.53	124.09	62.92	35.26	1
2.56	155.32	56.67	128.98	66.33	36.76	1
2.51	160.37	56.84	133.80	69.75	38.22	1
2.46	165.42	57.03	138.57	73.15	39.66	1

			B145.pso			
2.42	170.46	57.25	143.29	76.56	41.08	1
2.37	175.49	57.50	147.97	79.96	42.46	1
2.32	180.52	57.78	152.61	83.35	43.82	1
2.32	180.52	27.91	152.61	83.35	43.82	1
2.27	185.54	58.06	157.25	86.74	45.17	1
2.22	190.56	58.36	161.85	90.13	46.50	1
2.17	195.57	58.70	166.43	93.50	47.81	1
2.13	200.58	59.05	170.98	96.87	49.08	1
2.08	205.58	59.44	175.51	100.24	50.33	1
2.03	210.57	59.85	180.01	103.59	51.56	1
1.98	215.55	60.28	184.50	106.94	52.76	1
1.93	220.53	60.74	188.97	110.28	53.93	1
1.89	225.50	61.23	193.42	113.62	55.09	1
1.84	230.46	61.73	197.85	116.94	56.21	1
1.79	235.41	62.27	202.27	120.26	57.32	1
1.74	240.36	62.82	206.67	123.57	58.40	1
1.70	245.30	63.39	211.06	126.88	59.46	1
1.65	250.23	63.99	215.44	130.17	60.50	1
1.60	255.15	64.61	219.80	133.46	61.52	1
1.55	260.06	65.24	224.14	136.73	62.51	1
1.51	264.97	65.90	228.48	140.00	63.49	1
1.46	269.86	66.58	232.80	143.27	64.45	1
1.41	274.75	67.28	237.10	146.52	65.39	1
1.36	279.63	67.99	241.39	149.76	66.31	1
1.32	284.50	68.72	245.67	153.00	67.21	1
1.27	289.36	69.47	249.94	156.22	68.09	1
1.22	294.21	70.24	254.19	159.44	68.96	1
1.18	299.06	71.03	258.43	162.65	69.81	1
1.13	303.89	71.83	262.65	165.85	70.65	1
1.13	303.89	41.24	262.65	165.85	70.65	1
1.08	308.72	72.63	266.86	169.04	71.48	1
1.04	313.54	73.44	271.06	172.22	72.30	1
0.99	318.34	74.28	275.25	175.40	73.10	1
0.95	323.14	75.12	279.42	178.56	73.89	1
0.90	327.93	75.99	283.57	181.72	74.66	1
0.85	332.71	76.87	287.71	184.86	75.42	1
0.81	337.48	77.76	291.83	188.00	76.16	1
0.76	342.24	78.66	295.94	191.12	76.89	1
0.72	346.99	79.58	300.03	194.24	77.60	1
0.67	351.74	80.52	304.10	197.35	78.30	1
0.62	356.47	81.47	308.15	200.44	78.99	1
0.58	361.19	82.43	312.19	203.53	79.66	1
0.53	181.06	83.40	97.66	183.79	-86.13	1
0.49	185.51	84.39	101.12	186.60	-85.48	1
0.44	189.96	85.39	104.57	189.41	-84.85	1
0.40	194.39	86.40	107.99	192.22	-84.23	1
0.35	198.82	87.43	111.40	195.01	-83.62	1
0.31	203.25	88.47	114.78	197.80	-83.02	1
0.26	207.66	89.52	118.14	200.58	-82.44	1
0.22	212.07	90.58	121.49	203.35	-81.87	1
0.18	216.47	91.66	124.81	206.12	-81.31	1
0.13	220.86	92.75	128.11	208.87	-80.76	1
0.09	225.24	93.85	131.39	211.62	-80.23	1
0.04	229.62	94.96	134.66	214.36	-79.71	1
0.00	233.99	96.09	137.90	217.09	0.00	1

Time = 455. Degree of Consolidation = 95.0%

Total Settlement = 12.202

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 455. = 11.900

B145.pso

Settlement caused by Secondary Compression at time 455. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.80

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	4.16	1.42	10.61	1.98	1.98	1
16.38	4.13	1.41	10.61	1.98	1.98	1
16.26	4.10	1.40	10.61	1.98	1.98	1
16.14	4.07	1.39	10.61	1.98	1.98	1
16.02	4.03	1.38	10.61	1.98	1.98	1
15.90	4.00	1.37	10.61	1.98	1.98	1
15.78	3.97	1.36	10.61	1.98	1.98	1
15.66	3.94	1.35	10.61	1.98	1.98	1
15.54	3.91	1.34	10.61	1.98	1.98	1
15.42	3.88	1.33	10.61	1.98	1.98	1
15.30	3.85	1.32	10.61	1.98	1.98	1
15.18	3.82	1.31	10.61	1.98	1.98	1
15.06	3.79	1.30	10.61	1.98	1.98	1
14.94	3.76	1.29	10.61	1.98	1.98	1
14.82	3.73	1.28	10.61	1.98	1.98	1
14.70	3.70	1.27	10.61	1.98	1.98	1
14.58	3.67	1.26	10.61	1.98	1.98	1
14.46	3.63	1.25	10.61	1.98	1.98	1
14.34	3.60	1.24	10.61	1.98	1.98	1
14.22	3.57	1.22	10.61	1.98	1.98	1
14.10	3.54	1.21	10.61	1.98	1.98	1
13.98	3.51	1.20	10.61	1.98	1.98	1
13.86	3.48	1.19	10.61	1.98	1.98	1
13.74	3.45	1.18	10.61	1.98	1.98	1
13.62	3.42	1.17	10.61	1.98	1.98	1
13.50	3.39	1.16	10.61	2.12	1.98	1
13.50	3.39	1.16	10.61	2.12	1.98	1
13.32	3.34	1.15	10.61	2.11	2.11	1
13.14	3.29	1.13	10.61	2.10	2.09	1
12.96	3.24	1.12	10.61	2.09	2.08	1
12.78	3.20	1.10	10.61	2.09	2.07	1
12.60	3.15	1.09	10.61	2.08	2.06	1
12.42	3.10	1.07	10.61	2.07	2.04	1
12.24	3.05	1.05	10.61	2.07	2.03	1
12.06	3.00	1.04	10.61	2.06	2.02	1
11.88	2.96	1.02	10.61	2.06	2.01	1
11.70	2.91	1.01	10.61	2.05	1.99	1
11.52	2.86	0.99	10.61	2.05	1.98	1
11.34	2.82	0.98	10.61	2.04	1.97	1
11.16	2.77	0.96	10.61	2.04	1.96	1
10.98	2.72	0.95	10.61	2.03	1.94	1
10.80	2.67	0.93	10.61	2.03	1.93	1
10.62	2.63	0.91	10.61	2.02	1.92	1
10.44	2.58	0.90	10.61	2.02	1.91	1
10.26	2.53	0.88	10.61	2.01	1.89	1
10.08	2.49	0.87	10.61	2.01	1.88	1

			B145.pso			
9.90	2.44	0.85	10.61	2.00	1.87	1
9.72	2.39	0.84	10.61	2.00	1.86	1
9.54	2.35	0.82	10.61	1.99	1.84	1
9.36	2.30	0.81	10.61	1.99	1.83	1
9.18	2.26	0.79	10.61	1.98	1.82	1
9.00	2.21	0.78	10.61	1.98	1.81	1
9.00	2.21	0.78	10.61	1.98	1.79	1
8.82	2.16	0.76	10.61	1.97	1.79	1
8.64	2.12	0.74	10.61	1.97	1.79	1
8.46	2.07	0.73	10.61	1.96	1.78	1
8.28	2.03	0.71	10.61	1.96	1.77	1
8.10	1.98	0.70	10.61	1.95	1.77	1
7.92	1.93	0.68	10.61	1.95	1.76	1
7.74	1.89	0.67	10.61	1.95	1.75	1
7.56	1.84	0.65	10.61	1.94	1.75	1
7.38	1.80	0.64	10.61	1.94	1.74	1
7.20	1.75	0.62	10.61	1.93	1.74	1
7.02	1.71	0.60	10.61	1.93	1.73	1
6.84	1.66	0.59	10.61	1.92	1.72	1
6.66	1.62	0.57	10.61	1.92	1.72	1
6.48	1.57	0.56	10.61	1.91	1.71	1
6.30	1.52	0.54	10.61	1.91	1.71	1
6.12	1.48	0.53	10.61	1.90	1.70	1
5.94	1.43	0.51	10.61	1.90	1.69	1
5.76	1.39	0.50	10.61	1.89	1.69	1
5.58	1.35	0.48	10.61	1.89	1.68	1
5.40	1.30	0.47	10.61	1.88	1.67	1
5.22	1.26	0.45	10.61	1.88	1.67	1
5.04	1.21	0.43	10.61	1.87	1.66	1
4.86	1.17	0.42	10.61	1.87	1.66	1
4.68	1.12	0.40	10.61	1.86	1.65	1
4.50	1.08	0.39	10.61	1.85	1.64	1
4.50	1.08	0.39	10.61	1.85	1.64	1
4.32	1.03	0.37	10.61	1.85	1.64	1
4.14	0.99	0.36	10.61	1.84	1.63	1
3.96	0.95	0.34	10.61	1.84	1.62	1
3.78	0.90	0.33	10.61	1.83	1.62	1
3.60	0.86	0.31	10.61	1.83	1.61	1
3.42	0.81	0.29	10.61	1.82	1.61	1
3.24	0.77	0.28	10.61	1.82	1.60	1
3.06	0.73	0.26	10.61	1.81	1.59	1
2.88	0.68	0.25	10.61	1.80	1.59	1
2.70	0.64	0.23	10.61	1.80	1.58	1
2.52	0.60	0.22	10.61	1.79	1.57	1
2.34	0.55	0.20	10.61	1.79	1.57	1
2.16	0.51	0.19	10.61	1.78	1.56	1
1.98	0.47	0.17	10.61	1.77	1.56	1
1.80	0.42	0.16	10.61	1.77	1.55	1
1.62	0.38	0.14	10.61	1.76	1.54	1
1.44	0.34	0.12	10.61	1.76	1.54	1
1.26	0.30	0.11	10.61	1.75	1.53	1
1.08	0.25	0.09	10.61	1.74	1.53	1
0.90	0.21	0.08	10.61	1.74	1.52	1
0.72	0.17	0.06	10.61	1.73	1.51	1
0.54	0.13	0.05	10.61	1.72	1.51	1
0.36	0.08	0.03	10.61	1.72	1.50	1
0.18	0.04	0.02	10.61	1.71	1.49	1
0.00	0.00	0.00	10.61	1.70	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess Material
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			B145.pso			
4.16	0.00	0.00	0.00	0.00	0.00	1
4.13	2.23	2.23	0.00	0.00	0.00	1
4.10	4.47	4.47	0.00	0.00	0.00	1
4.07	6.70	6.70	0.00	0.00	0.00	1
4.03	8.93	8.93	0.00	0.00	0.00	1
4.00	11.16	11.16	0.00	0.00	0.00	1
3.97	13.40	13.40	0.00	0.00	0.00	1
3.94	15.63	15.63	0.00	0.00	0.00	1
3.91	17.86	17.86	0.00	0.00	0.00	1
3.88	20.10	20.10	0.00	0.00	0.00	1
3.85	22.33	22.33	0.00	0.00	0.00	1
3.82	24.56	24.56	0.00	0.00	0.00	1
3.79	26.80	26.80	0.00	0.00	0.00	1
3.76	29.03	29.03	0.00	0.00	0.00	1
3.73	31.26	31.26	0.00	0.00	0.00	1
3.70	33.49	33.49	0.00	0.00	0.00	1
3.67	35.73	35.73	0.00	0.00	0.00	1
3.63	37.96	37.96	0.00	0.00	0.00	1
3.60	40.19	40.19	0.00	0.00	0.00	1
3.57	42.43	42.43	0.00	0.00	0.00	1
3.54	44.66	44.66	0.00	0.00	0.00	1
3.51	46.89	46.89	0.00	0.00	0.00	1
3.48	49.13	49.13	0.00	0.00	0.00	1
3.45	51.36	51.36	0.00	0.00	0.00	1
3.42	53.59	53.59	0.00	0.00	0.00	1
3.39	55.82	50.75	0.00	0.00	5.08	1
3.39	58.06	58.06	0.00	0.00	5.08	1
3.34	60.97	49.66	11.31	3.05	12.70	1
3.29	65.70	59.44	19.32	6.14	4.56	1
3.24	70.48	60.30	27.14	9.29	5.33	1
3.20	75.30	61.14	34.75	12.47	6.13	1
3.15	80.16	61.94	42.12	15.70	6.95	1
3.10	85.06	62.73	49.25	18.95	7.80	1
3.05	89.98	63.50	56.14	22.24	8.67	1
3.00	94.93	64.24	62.79	25.56	9.56	1
2.96	99.91	64.97	69.21	28.90	10.47	1
2.91	104.90	65.68	75.41	32.26	11.39	1
2.86	109.91	66.38	81.41	35.64	12.33	1
2.82	114.94	67.06	87.22	39.03	13.28	1
2.77	119.97	67.73	92.86	42.43	14.25	1
2.72	125.01	68.39	98.36	45.83	15.22	1
2.67	130.06	69.04	103.72	49.25	16.20	1
2.63	135.11	69.69	108.96	52.66	17.20	1
2.58	140.17	70.32	114.09	56.08	18.20	1
2.53	145.22	70.95	119.13	59.50	19.20	1
2.49	150.27	71.58	124.09	62.92	20.21	1
2.44	155.32	72.20	128.98	66.33	21.23	1
2.39	160.37	72.81	133.80	69.75	22.25	1
2.35	165.42	73.43	138.57	73.15	23.27	1
2.30	170.46	74.04	143.29	76.56	24.29	1
2.26	175.49	74.65	147.97	79.96	25.32	1
2.21	180.52	75.25	152.61	83.35	26.34	1
2.21	180.52	27.91	152.61	83.35	26.34	1
2.16	185.54	75.86	157.25	86.74	27.37	1
2.12	190.56	76.47	161.85	90.13	28.40	1
2.07	195.57	77.08	166.43	93.50	29.42	1
2.03	200.58	77.69	170.98	96.87	30.44	1
1.98	205.58	78.31	175.51	100.24	31.47	1
1.93	210.57	78.92	180.01	103.59	32.48	1
1.89	215.55	79.54	184.50	106.94	33.50	1
1.84	220.53	80.16	188.97	110.28	34.51	1
1.80	225.50	80.79	193.42	113.62	35.52	1
1.75	230.46	81.42	197.85	116.94	36.53	1

			B145.pso			
1.71	235.41	82.05	202.27	120.26	37.53	1
1.66	240.36	82.69	206.67	123.57	38.53	1
1.62	245.30	83.33	211.06	126.88	39.52	1
1.57	250.23	83.98	215.44	130.17	40.51	1
1.52	255.15	84.63	219.80	133.46	41.49	1
1.48	260.06	85.29	224.14	136.73	42.47	1
1.43	264.97	85.95	228.48	140.00	43.44	1
1.39	269.86	86.62	232.80	143.27	44.41	1
1.35	274.75	87.29	237.10	146.52	45.37	1
1.30	279.63	87.98	241.39	149.76	46.32	1
1.26	284.50	88.66	245.67	153.00	47.27	1
1.21	289.36	89.36	249.94	156.22	48.21	1
1.17	294.21	90.06	254.19	159.44	49.15	1
1.12	299.06	90.76	258.43	162.65	50.08	1
1.08	303.89	91.47	262.65	165.85	51.00	1
1.08	303.89	41.24	262.65	165.85	51.00	1
1.03	308.72	92.19	266.86	169.04	51.92	1
0.99	313.54	92.91	271.06	172.22	52.84	1
0.95	318.34	93.63	275.25	175.40	53.74	1
0.90	323.14	94.37	279.42	178.56	54.64	1
0.86	327.93	95.11	283.57	181.72	55.54	1
0.81	332.71	95.86	287.71	184.86	56.42	1
0.77	337.48	96.61	291.83	188.00	57.30	1
0.73	342.24	97.38	295.94	191.12	58.17	1
0.68	346.99	98.15	300.03	194.24	59.04	1
0.64	351.74	98.93	304.10	197.35	59.89	1
0.60	356.47	99.72	308.15	200.44	60.74	1
0.55	172.09	101.02	71.07	173.85	-102.78	1
0.51	176.42	102.63	73.79	176.55	-102.75	1
0.47	180.74	104.24	76.50	179.23	-102.74	1
0.42	185.06	105.88	79.18	181.91	-102.73	1
0.38	189.37	107.52	81.84	184.59	-102.74	1
0.34	193.67	109.18	84.49	187.26	-102.77	1
0.30	197.97	110.85	87.11	189.92	-102.80	1
0.25	202.26	112.54	89.72	192.57	-102.85	1
0.21	206.54	114.24	92.31	195.22	-102.92	1
0.17	210.82	115.95	94.88	197.87	-102.99	1
0.13	215.09	117.67	97.43	200.50	-103.08	1
0.08	219.36	119.40	99.96	203.14	-103.17	1
0.04	223.62	121.14	102.48	205.76	-103.28	1
0.00	227.87	122.90	104.98	208.38	0.00	1

Time = 730. Degree of Consolidation = 96.0%

Total Settlement = 12.342

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 730. = 12.039

Settlement caused by Secondary Compression at time 730. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.66

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	4.07	1.42	10.61	1.98	1.98	1
16.38	4.04	1.41	10.61	1.98	1.98	1
16.26	4.00	1.40	10.61	1.98	1.98	1
16.14	3.97	1.39	10.61	1.98	1.98	1
16.02	3.94	1.38	10.61	1.98	1.98	1
15.90	3.91	1.37	10.61	1.98	1.98	1
15.78	3.88	1.36	10.61	1.98	1.98	1
15.66	3.85	1.35	10.61	1.98	1.98	1
15.54	3.82	1.34	10.61	1.98	1.98	1
15.42	3.79	1.33	10.61	1.98	1.98	1
15.30	3.76	1.32	10.61	1.98	1.98	1
15.18	3.73	1.31	10.61	1.98	1.98	1
15.06	3.70	1.30	10.61	1.98	1.98	1
14.94	3.67	1.29	10.61	1.98	1.98	1
14.82	3.64	1.28	10.61	1.98	1.98	1
14.70	3.60	1.27	10.61	1.98	1.98	1
14.58	3.57	1.26	10.61	1.98	1.98	1
14.46	3.54	1.25	10.61	1.98	1.98	1
14.34	3.51	1.24	10.61	1.98	1.98	1
14.22	3.48	1.22	10.61	1.98	1.98	1
14.10	3.45	1.21	10.61	1.98	1.98	1
13.98	3.42	1.20	10.61	1.98	1.98	1
13.86	3.39	1.19	10.61	1.98	1.98	1
13.74	3.36	1.18	10.61	1.98	1.98	1
13.62	3.33	1.17	10.61	1.98	1.98	1
13.50	3.30	1.16	10.61	2.12	1.98	1
13.50	3.30	1.16	10.61	2.12	1.98	1
13.32	3.25	1.15	10.61	2.11	2.11	1
13.14	3.20	1.13	10.61	2.09	2.09	1
12.96	3.15	1.12	10.61	2.08	2.08	1
12.78	3.10	1.10	10.61	2.07	2.07	1
12.60	3.06	1.09	10.61	2.06	2.06	1
12.42	3.01	1.07	10.61	2.05	2.04	1
12.24	2.96	1.05	10.61	2.04	2.03	1
12.06	2.91	1.04	10.61	2.03	2.02	1
11.88	2.87	1.02	10.61	2.02	2.01	1
11.70	2.82	1.01	10.61	2.01	1.99	1
11.52	2.77	0.99	10.61	2.00	1.98	1
11.34	2.73	0.98	10.61	2.00	1.97	1
11.16	2.68	0.96	10.61	1.99	1.96	1
10.98	2.64	0.95	10.61	1.98	1.94	1
10.80	2.59	0.93	10.61	1.97	1.93	1
10.62	2.54	0.91	10.61	1.96	1.92	1
10.44	2.50	0.90	10.61	1.96	1.91	1
10.26	2.45	0.88	10.61	1.95	1.89	1
10.08	2.41	0.87	10.61	1.94	1.88	1
9.90	2.36	0.85	10.61	1.93	1.87	1
9.72	2.31	0.84	10.61	1.93	1.86	1
9.54	2.27	0.82	10.61	1.92	1.84	1
9.36	2.22	0.81	10.61	1.91	1.83	1
9.18	2.18	0.79	10.61	1.91	1.82	1
9.00	2.13	0.78	10.61	1.90	1.81	1
9.00	2.13	0.78	10.61	1.90	1.79	1
8.82	2.09	0.76	10.61	1.89	1.79	1
8.64	2.04	0.74	10.61	1.89	1.79	1
8.46	2.00	0.73	10.61	1.88	1.78	1
8.28	1.96	0.71	10.61	1.87	1.77	1
8.10	1.91	0.70	10.61	1.87	1.77	1
7.92	1.87	0.68	10.61	1.86	1.76	1
7.74	1.82	0.67	10.61	1.86	1.75	1

B145.pso						
7.56	1.78	0.65	10.61	1.85	1.75	1
7.38	1.73	0.64	10.61	1.84	1.74	1
7.20	1.69	0.62	10.61	1.84	1.74	1
7.02	1.65	0.60	10.61	1.83	1.73	1
6.84	1.60	0.59	10.61	1.83	1.72	1
6.66	1.56	0.57	10.61	1.82	1.72	1
6.48	1.51	0.56	10.61	1.81	1.71	1
6.30	1.47	0.54	10.61	1.81	1.71	1
6.12	1.43	0.53	10.61	1.80	1.70	1
5.94	1.38	0.51	10.61	1.80	1.69	1
5.76	1.34	0.50	10.61	1.79	1.69	1
5.58	1.30	0.48	10.61	1.79	1.68	1
5.40	1.25	0.47	10.61	1.78	1.67	1
5.22	1.21	0.45	10.61	1.77	1.67	1
5.04	1.17	0.43	10.61	1.77	1.66	1
4.86	1.13	0.42	10.61	1.76	1.66	1
4.68	1.08	0.40	10.61	1.76	1.65	1
4.50	1.04	0.39	10.61	1.75	1.64	1
4.50	1.04	0.39	10.61	1.75	1.64	1
4.32	1.00	0.37	10.61	1.75	1.64	1
4.14	0.95	0.36	10.61	1.74	1.63	1
3.96	0.91	0.34	10.61	1.74	1.62	1
3.78	0.87	0.33	10.61	1.73	1.62	1
3.60	0.83	0.31	10.61	1.72	1.61	1
3.42	0.79	0.29	10.61	1.72	1.61	1
3.24	0.74	0.28	10.61	1.71	1.60	1
3.06	0.70	0.26	10.61	1.71	1.59	1
2.88	0.66	0.25	10.61	1.70	1.59	1
2.70	0.62	0.23	10.61	1.70	1.58	1
2.52	0.58	0.22	10.61	1.69	1.57	1
2.34	0.53	0.20	10.61	1.69	1.57	1
2.16	0.49	0.19	10.61	1.68	1.56	1
1.98	0.45	0.17	10.61	1.67	1.56	1
1.80	0.41	0.16	10.61	1.67	1.55	1
1.62	0.37	0.14	10.61	1.66	1.54	1
1.44	0.33	0.12	10.61	1.66	1.54	1
1.26	0.29	0.11	10.61	1.65	1.53	1
1.08	0.24	0.09	10.61	1.65	1.53	1
0.90	0.20	0.08	10.61	1.64	1.52	1
0.72	0.16	0.06	10.61	1.64	1.51	1
0.54	0.12	0.05	10.61	1.63	1.51	1
0.36	0.08	0.03	10.61	1.62	1.50	1
0.18	0.04	0.02	10.61	1.62	1.49	1
0.00	0.00	0.00	10.61	1.61	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.07	0.00	0.00	0.00	0.00	0.00	1
4.04	2.23	2.23	0.00	0.00	0.00	1
4.00	4.47	4.47	0.00	0.00	0.00	1
3.97	6.70	6.70	0.00	0.00	0.00	1
3.94	8.93	8.93	0.00	0.00	0.00	1
3.91	11.16	11.16	0.00	0.00	0.00	1
3.88	13.40	13.40	0.00	0.00	0.00	1
3.85	15.63	15.63	0.00	0.00	0.00	1
3.82	17.86	17.86	0.00	0.00	0.00	1
3.79	20.10	20.10	0.00	0.00	0.00	1
3.76	22.33	22.33	0.00	0.00	0.00	1
3.73	24.56	24.56	0.00	0.00	0.00	1
3.70	26.80	26.80	0.00	0.00	0.00	1
3.67	29.03	29.03	0.00	0.00	0.00	1

			B145.pso			
3.64	31.26	31.26	0.00	0.00	0.00	1
3.60	33.49	33.49	0.00	0.00	0.00	1
3.57	35.73	35.73	0.00	0.00	0.00	1
3.54	37.96	37.96	0.00	0.00	0.00	1
3.51	40.19	40.19	0.00	0.00	0.00	1
3.48	42.43	42.43	0.00	0.00	0.00	1
3.45	44.66	44.66	0.00	0.00	0.00	1
3.42	46.89	46.89	0.00	0.00	0.00	1
3.39	49.13	49.13	0.00	0.00	0.00	1
3.36	51.36	51.36	0.00	0.00	0.00	1
3.33	53.59	53.59	0.00	0.00	0.00	1
3.30	55.82	50.75	0.00	0.00	5.08	1
3.30	58.06	58.06	0.00	0.00	5.08	1
3.25	60.97	49.66	11.31	3.05	12.70	1
3.20	65.70	60.07	19.32	6.14	3.93	1
3.15	70.48	61.54	27.14	9.29	4.09	1
3.10	75.30	62.96	34.75	12.47	4.30	1
3.06	80.16	64.34	42.12	15.70	4.55	1
3.01	85.06	65.68	49.25	18.95	4.85	1
2.96	89.98	66.98	56.14	22.24	5.18	1
2.91	94.93	68.25	62.79	25.56	5.56	1
2.87	99.91	69.47	69.21	28.90	5.97	1
2.82	104.90	70.67	75.41	32.26	6.41	1
2.77	109.91	71.83	81.41	35.64	6.88	1
2.73	114.94	72.96	87.22	39.03	7.38	1
2.68	119.97	74.06	92.86	42.43	7.91	1
2.64	125.01	75.14	98.36	45.83	8.47	1
2.59	130.06	76.19	103.72	49.25	9.06	1
2.54	135.11	77.22	108.96	52.66	9.66	1
2.50	140.17	78.23	114.09	56.08	10.29	1
2.45	145.22	79.21	119.13	59.50	10.94	1
2.41	150.27	80.17	124.09	62.92	11.62	1
2.36	155.32	81.12	128.98	66.33	12.31	1
2.31	160.37	82.05	133.80	69.75	13.01	1
2.27	165.42	82.96	138.57	73.15	13.74	1
2.22	170.46	83.85	143.29	76.56	14.48	1
2.18	175.49	84.73	147.97	79.96	15.23	1
2.13	180.52	85.60	152.61	83.35	16.00	1
2.13	180.52	27.91	152.61	83.35	16.00	1
2.09	185.54	86.46	157.25	86.74	16.77	1
2.04	190.56	87.32	161.85	90.13	17.55	1
2.00	195.57	88.16	166.43	93.50	18.35	1
1.96	200.58	88.99	170.98	96.87	19.15	1
1.91	205.58	89.81	175.51	100.24	19.96	1
1.87	210.57	90.62	180.01	103.59	20.79	1
1.82	215.55	91.42	184.50	106.94	21.62	1
1.78	220.53	92.22	188.97	110.28	22.46	1
1.73	225.50	93.01	193.42	113.62	23.31	1
1.69	230.46	93.79	197.85	116.94	24.16	1
1.65	235.41	94.56	202.27	120.26	25.02	1
1.60	240.36	95.33	206.67	123.57	25.89	1
1.56	245.30	96.09	211.06	126.88	26.76	1
1.51	250.23	96.85	215.44	130.17	27.64	1
1.47	255.15	97.61	219.80	133.46	28.52	1
1.43	260.06	98.36	224.14	136.73	29.40	1
1.38	264.97	99.11	228.48	140.00	30.29	1
1.34	269.86	99.85	232.80	143.27	31.18	1
1.30	274.75	101.19	237.10	146.52	31.47	1
1.25	279.63	102.67	241.39	149.76	31.63	1
1.21	284.50	104.15	245.67	153.00	31.79	1
1.17	289.36	105.62	249.94	156.22	31.95	1
1.13	294.21	107.09	254.19	159.44	32.12	1
1.08	299.06	108.55	258.43	162.65	32.29	1

			B145.pso			
1.04	303.89	110.01	262.65	165.85	32.46	1
1.04	303.89	41.24	262.65	165.85	32.46	1
1.00	308.72	111.48	266.86	169.04	32.63	1
0.95	313.54	112.94	271.06	172.22	32.81	1
0.91	318.34	114.39	275.25	175.40	32.98	1
0.87	323.14	115.85	279.42	178.56	33.16	1
0.83	327.93	117.31	283.57	181.72	33.34	1
0.79	332.71	118.76	287.71	184.86	33.52	1
0.74	337.48	120.21	291.83	188.00	33.70	1
0.70	342.24	121.67	295.94	191.12	33.88	1
0.66	346.99	123.12	300.03	194.24	34.07	1
0.62	351.74	124.57	304.10	197.35	34.25	1
0.58	165.93	126.03	39.91	166.73	-126.82	1
0.53	170.17	127.48	42.69	169.33	-126.64	1
0.49	174.40	128.94	45.46	171.92	-126.46	1
0.45	178.62	130.39	48.23	174.51	-126.28	1
0.41	182.84	131.85	51.00	177.10	-126.10	1
0.37	187.06	133.30	53.75	179.68	-125.92	1
0.33	191.27	134.76	56.51	182.25	-125.74	1
0.29	195.47	136.22	59.25	184.82	-125.57	1
0.24	199.67	137.68	61.99	187.38	-125.39	1
0.20	203.86	139.14	64.72	189.94	-125.22	1
0.16	208.05	140.61	67.44	192.49	-125.05	1
0.12	212.23	142.07	70.16	195.04	-124.88	1
0.08	216.41	143.54	72.87	197.58	-124.71	1
0.04	220.58	145.01	75.57	200.12	-124.54	1
0.00	224.75	146.48	78.27	202.65	0.00	1

Time = 1095. Degree of Consolidation = 97.%

Total Settlement = 12.434

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 1095. = 12.131

Settlement caused by Secondary Compression at time 1095. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.57

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
16.50	4.00	1.42	10.61	1.98	1.98	1
16.38	3.97	1.41	10.61	1.98	1.98	1
16.26	3.93	1.40	10.61	1.98	1.98	1
16.14	3.90	1.39	10.61	1.98	1.98	1
16.02	3.87	1.38	10.61	1.98	1.98	1
15.90	3.84	1.37	10.61	1.98	1.98	1
15.78	3.81	1.36	10.61	1.98	1.98	1
15.66	3.78	1.35	10.61	1.98	1.98	1
15.54	3.75	1.34	10.61	1.98	1.98	1
15.42	3.72	1.33	10.61	1.98	1.98	1
15.30	3.69	1.32	10.61	1.98	1.98	1

			B145.pso			
15.18	3.66	1.31	10.61	1.98	1.98	1
15.06	3.63	1.30	10.61	1.98	1.98	1
14.94	3.60	1.29	10.61	1.98	1.98	1
14.82	3.57	1.28	10.61	1.98	1.98	1
14.70	3.53	1.27	10.61	1.98	1.98	1
14.58	3.50	1.26	10.61	1.98	1.98	1
14.46	3.47	1.25	10.61	1.98	1.98	1
14.34	3.44	1.24	10.61	1.98	1.98	1
14.22	3.41	1.22	10.61	1.98	1.98	1
14.10	3.38	1.21	10.61	1.98	1.98	1
13.98	3.35	1.20	10.61	1.98	1.98	1
13.86	3.32	1.19	10.61	1.98	1.98	1
13.74	3.29	1.18	10.61	1.98	1.98	1
13.62	3.26	1.17	10.61	1.98	1.98	1
13.50	3.23	1.16	10.61	2.12	1.98	1
13.50	3.23	1.16	10.61	2.12	1.98	1
13.32	3.18	1.15	10.61	2.11	2.11	1
13.14	3.13	1.13	10.61	2.09	2.09	1
12.96	3.08	1.12	10.61	2.08	2.08	1
12.78	3.03	1.10	10.61	2.07	2.07	1
12.60	2.99	1.09	10.61	2.06	2.06	1
12.42	2.94	1.07	10.61	2.04	2.04	1
12.24	2.89	1.05	10.61	2.03	2.03	1
12.06	2.85	1.04	10.61	2.02	2.02	1
11.88	2.80	1.02	10.61	2.01	2.01	1
11.70	2.75	1.01	10.61	1.99	1.99	1
11.52	2.71	0.99	10.61	1.98	1.98	1
11.34	2.66	0.98	10.61	1.97	1.97	1
11.16	2.61	0.96	10.61	1.96	1.96	1
10.98	2.57	0.95	10.61	1.95	1.94	1
10.80	2.52	0.93	10.61	1.94	1.93	1
10.62	2.48	0.91	10.61	1.93	1.92	1
10.44	2.43	0.90	10.61	1.92	1.91	1
10.26	2.39	0.88	10.61	1.91	1.89	1
10.08	2.34	0.87	10.61	1.90	1.88	1
9.90	2.30	0.85	10.61	1.89	1.87	1
9.72	2.25	0.84	10.61	1.88	1.86	1
9.54	2.21	0.82	10.61	1.87	1.84	1
9.36	2.16	0.81	10.61	1.86	1.83	1
9.18	2.12	0.79	10.61	1.85	1.82	1
9.00	2.07	0.78	10.61	1.85	1.81	1
9.00	2.07	0.78	10.61	1.85	1.79	1
8.82	2.03	0.76	10.61	1.84	1.79	1
8.64	1.99	0.74	10.61	1.83	1.79	1
8.46	1.94	0.73	10.61	1.82	1.78	1
8.28	1.90	0.71	10.61	1.81	1.77	1
8.10	1.86	0.70	10.61	1.80	1.77	1
7.92	1.81	0.68	10.61	1.80	1.76	1
7.74	1.77	0.67	10.61	1.79	1.75	1
7.56	1.73	0.65	10.61	1.78	1.75	1
7.38	1.68	0.64	10.61	1.77	1.74	1
7.20	1.64	0.62	10.61	1.77	1.74	1
7.02	1.60	0.60	10.61	1.76	1.73	1
6.84	1.55	0.59	10.61	1.75	1.72	1
6.66	1.51	0.57	10.61	1.75	1.72	1
6.48	1.47	0.56	10.61	1.74	1.71	1
6.30	1.43	0.54	10.61	1.73	1.71	1
6.12	1.38	0.53	10.61	1.73	1.70	1
5.94	1.34	0.51	10.61	1.72	1.69	1
5.76	1.30	0.50	10.61	1.71	1.69	1
5.58	1.26	0.48	10.61	1.71	1.68	1
5.40	1.22	0.47	10.61	1.70	1.67	1
5.22	1.17	0.45	10.61	1.69	1.67	1

			B145.pso			
5.04	1.13	0.43	10.61	1.69	1.66	1
4.86	1.09	0.42	10.61	1.68	1.66	1
4.68	1.05	0.40	10.61	1.67	1.65	1
4.50	1.01	0.39	10.61	1.67	1.64	1
4.50	1.01	0.39	10.61	1.67	1.64	1
4.32	0.97	0.37	10.61	1.66	1.64	1
4.14	0.92	0.36	10.61	1.66	1.63	1
3.96	0.88	0.34	10.61	1.65	1.62	1
3.78	0.84	0.33	10.61	1.65	1.62	1
3.60	0.80	0.31	10.61	1.64	1.61	1
3.42	0.76	0.29	10.61	1.63	1.61	1
3.24	0.72	0.28	10.61	1.63	1.60	1
3.06	0.68	0.26	10.61	1.62	1.59	1
2.88	0.64	0.25	10.61	1.62	1.59	1
2.70	0.60	0.23	10.61	1.61	1.58	1
2.52	0.56	0.22	10.61	1.61	1.57	1
2.34	0.52	0.20	10.61	1.60	1.57	1
2.16	0.48	0.19	10.61	1.60	1.56	1
1.98	0.44	0.17	10.61	1.59	1.56	1
1.80	0.40	0.16	10.61	1.58	1.55	1
1.62	0.36	0.14	10.61	1.58	1.54	1
1.44	0.32	0.12	10.61	1.57	1.54	1
1.26	0.28	0.11	10.61	1.57	1.53	1
1.08	0.24	0.09	10.61	1.56	1.53	1
0.90	0.20	0.08	10.61	1.56	1.52	1
0.72	0.16	0.06	10.61	1.55	1.51	1
0.54	0.12	0.05	10.61	1.55	1.51	1
0.36	0.08	0.03	10.61	1.54	1.50	1
0.18	0.04	0.02	10.61	1.54	1.49	1
0.00	0.00	0.00	10.61	1.53	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.00	0.00	0.00	0.00	0.00	0.00	1
3.97	2.23	2.23	0.00	0.00	0.00	1
3.93	4.47	4.47	0.00	0.00	0.00	1
3.90	6.70	6.70	0.00	0.00	0.00	1
3.87	8.93	8.93	0.00	0.00	0.00	1
3.84	11.16	11.16	0.00	0.00	0.00	1
3.81	13.40	13.40	0.00	0.00	0.00	1
3.78	15.63	15.63	0.00	0.00	0.00	1
3.75	17.86	17.86	0.00	0.00	0.00	1
3.72	20.10	20.10	0.00	0.00	0.00	1
3.69	22.33	22.33	0.00	0.00	0.00	1
3.66	24.56	24.56	0.00	0.00	0.00	1
3.63	26.80	26.80	0.00	0.00	0.00	1
3.60	29.03	29.03	0.00	0.00	0.00	1
3.57	31.26	31.26	0.00	0.00	0.00	1
3.53	33.49	33.49	0.00	0.00	0.00	1
3.50	35.73	35.73	0.00	0.00	0.00	1
3.47	37.96	37.96	0.00	0.00	0.00	1
3.44	40.19	40.19	0.00	0.00	0.00	1
3.41	42.43	42.43	0.00	0.00	0.00	1
3.38	44.66	44.66	0.00	0.00	0.00	1
3.35	46.89	46.89	0.00	0.00	0.00	1
3.32	49.13	49.13	0.00	0.00	0.00	1
3.29	51.36	51.36	0.00	0.00	0.00	1
3.26	53.59	53.59	0.00	0.00	0.00	1
3.23	55.82	50.75	0.00	0.00	5.08	1
3.23	58.06	58.06	0.00	0.00	5.08	1
3.18	60.97	49.66	11.31	3.05	12.70	1

3.13	65.70	60.18	B145.pso	19.32	6.14	3.81	1
3.08	70.48	61.81		27.14	9.29	3.81	1
3.03	75.30	63.45		34.75	12.47	3.81	1
2.99	80.16	65.08		42.12	15.70	3.81	1
2.94	85.06	66.72		49.25	18.95	3.81	1
2.89	89.98	68.35		56.14	22.24	3.81	1
2.85	94.93	69.99		62.79	25.56	3.81	1
2.80	99.91	71.61		69.21	28.90	3.83	1
2.75	104.90	73.19		75.41	32.26	3.88	1
2.71	109.91	74.72		81.41	35.64	3.98	1
2.66	114.94	76.22		87.22	39.03	4.13	1
2.61	119.97	77.67		92.86	42.43	4.31	1
2.57	125.01	79.09		98.36	45.83	4.52	1
2.52	130.06	80.47		103.72	49.25	4.78	1
2.48	135.11	81.82		108.96	52.66	5.06	1
2.43	140.17	83.14		114.09	56.08	5.38	1
2.39	145.22	84.42		119.13	59.50	5.73	1
2.34	150.27	85.68		124.09	62.92	6.11	1
2.30	155.32	86.91		128.98	66.33	6.51	1
2.25	160.37	88.11		133.80	69.75	6.94	1
2.21	165.42	89.29		138.57	73.15	7.40	1
2.16	170.46	90.45		143.29	76.56	7.88	1
2.12	175.49	91.58		147.97	79.96	8.38	1
2.07	180.52	92.69		152.61	83.35	8.91	1
2.07	180.52	27.91		152.61	83.35	8.91	1
2.03	185.54	93.80		157.25	86.74	9.43	1
1.99	190.56	94.89		161.85	90.13	9.98	1
1.94	195.57	95.96		166.43	93.50	10.54	1
1.90	200.58	97.01		170.98	96.87	11.12	1
1.86	205.58	98.05		175.51	100.24	11.72	1
1.81	210.57	99.07		180.01	103.59	12.34	1
1.77	215.55	100.15		184.50	106.94	12.89	1
1.73	220.53	102.13		188.97	110.28	12.55	1
1.68	225.50	104.08		193.42	113.62	12.24	1
1.64	230.46	106.00		197.85	116.94	11.95	1
1.60	235.41	107.89		202.27	120.26	11.70	1
1.55	240.36	109.75		206.67	123.57	11.47	1
1.51	245.30	111.59		211.06	126.88	11.27	1
1.47	250.23	113.40		215.44	130.17	11.09	1
1.43	255.15	115.18		219.80	133.46	10.94	1
1.38	260.06	116.95		224.14	136.73	10.81	1
1.34	264.97	118.69		228.48	140.00	10.71	1
1.30	269.86	120.40		232.80	143.27	10.63	1
1.26	274.75	122.10		237.10	146.52	10.57	1
1.22	279.63	123.77		241.39	149.76	10.53	1
1.17	284.50	125.42		245.67	153.00	10.51	1
1.13	289.36	127.06		249.94	156.22	10.51	1
1.09	294.21	128.67		254.19	159.44	10.53	1
1.05	299.06	130.27		258.43	162.65	10.57	1
1.01	303.89	131.85		262.65	165.85	10.63	1
1.01	303.89	41.24		262.65	165.85	10.63	1
0.97	308.72	133.43		266.86	169.04	10.68	1
0.92	313.54	134.99		271.06	172.22	10.76	1
0.88	318.34	136.53		275.25	175.40	10.85	1
0.84	323.14	138.06		279.42	178.56	10.95	1
0.80	327.93	139.57		283.57	181.72	11.07	1
0.76	332.71	141.07		287.71	184.86	11.21	1
0.72	337.48	142.56		291.83	188.00	11.36	1
0.68	342.24	144.03		295.94	191.12	11.52	1
0.64	346.99	145.49		300.03	194.24	11.70	1
0.60	161.13	146.93		14.20	160.96	-146.75	1
0.56	165.29	148.36		16.93	163.48	-146.55	1
0.52	169.44	149.78		19.66	166.00	-146.33	1

			B145.pso			
0.48	173.59	151.19	22.41	168.51	-146.11	1
0.44	177.74	152.58	25.15	171.02	-145.87	1
0.40	181.87	153.97	27.91	173.52	-145.62	1
0.36	186.01	155.34	30.67	176.02	-145.36	1
0.32	190.14	156.70	33.43	178.52	-145.08	1
0.28	194.26	158.06	36.20	181.00	-144.80	1
0.24	198.38	159.40	38.98	183.49	-144.51	1
0.20	202.49	160.73	41.76	185.97	-144.21	1
0.16	206.60	162.05	44.54	188.44	-143.90	1
0.12	210.70	163.37	47.33	190.91	-143.57	1
0.08	214.80	164.68	50.13	193.37	-143.25	1
0.04	218.89	165.97	52.92	195.83	-142.91	1
0.00	222.98	167.26	55.72	198.28	0.00	1

Time = 1825. Degree of Consolidation = 97.%

Total Settlement = 12.504

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 1825. = 12.201

Settlement caused by Secondary Compression at time 1825. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.50

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	3.98	1.42	10.61	1.98	1.98	1
16.38	3.94	1.41	10.61	1.98	1.98	1
16.26	3.91	1.40	10.61	1.98	1.98	1
16.14	3.88	1.39	10.61	1.98	1.98	1
16.02	3.85	1.38	10.61	1.98	1.98	1
15.90	3.82	1.37	10.61	1.98	1.98	1
15.78	3.79	1.36	10.61	1.98	1.98	1
15.66	3.76	1.35	10.61	1.98	1.98	1
15.54	3.73	1.34	10.61	1.98	1.98	1
15.42	3.70	1.33	10.61	1.98	1.98	1
15.30	3.67	1.32	10.61	1.98	1.98	1
15.18	3.64	1.31	10.61	1.98	1.98	1
15.06	3.61	1.30	10.61	1.98	1.98	1
14.94	3.58	1.29	10.61	1.98	1.98	1
14.82	3.54	1.28	10.61	1.98	1.98	1
14.70	3.51	1.27	10.61	1.98	1.98	1
14.58	3.48	1.26	10.61	1.98	1.98	1
14.46	3.45	1.25	10.61	1.98	1.98	1
14.34	3.42	1.24	10.61	1.98	1.98	1
14.22	3.39	1.22	10.61	1.98	1.98	1
14.10	3.36	1.21	10.61	1.98	1.98	1
13.98	3.33	1.20	10.61	1.98	1.98	1
13.86	3.30	1.19	10.61	1.98	1.98	1
13.74	3.27	1.18	10.61	1.98	1.98	1
13.62	3.24	1.17	10.61	1.98	1.98	1

			B145.pso			
13.50	3.20	1.16	10.61	2.12	1.98	1
13.50	3.20	1.16	10.61	2.12	1.98	1
13.32	3.16	1.15	10.61	2.11	2.11	1
13.14	3.11	1.13	10.61	2.09	2.09	1
12.96	3.06	1.12	10.61	2.08	2.08	1
12.78	3.01	1.10	10.61	2.07	2.07	1
12.60	2.97	1.09	10.61	2.06	2.06	1
12.42	2.92	1.07	10.61	2.04	2.04	1
12.24	2.87	1.05	10.61	2.03	2.03	1
12.06	2.82	1.04	10.61	2.02	2.02	1
11.88	2.78	1.02	10.61	2.01	2.01	1
11.70	2.73	1.01	10.61	1.99	1.99	1
11.52	2.68	0.99	10.61	1.98	1.98	1
11.34	2.64	0.98	10.61	1.97	1.97	1
11.16	2.59	0.96	10.61	1.96	1.96	1
10.98	2.55	0.95	10.61	1.94	1.94	1
10.80	2.50	0.93	10.61	1.93	1.93	1
10.62	2.46	0.91	10.61	1.92	1.92	1
10.44	2.41	0.90	10.61	1.91	1.91	1
10.26	2.37	0.88	10.61	1.90	1.89	1
10.08	2.32	0.87	10.61	1.89	1.88	1
9.90	2.28	0.85	10.61	1.88	1.87	1
9.72	2.23	0.84	10.61	1.87	1.86	1
9.54	2.19	0.82	10.61	1.86	1.84	1
9.36	2.14	0.81	10.61	1.85	1.83	1
9.18	2.10	0.79	10.61	1.84	1.82	1
9.00	2.06	0.78	10.61	1.83	1.81	1
9.00	2.06	0.78	10.61	1.83	1.79	1
8.82	2.01	0.76	10.61	1.82	1.79	1
8.64	1.97	0.74	10.61	1.81	1.79	1
8.46	1.92	0.73	10.61	1.80	1.78	1
8.28	1.88	0.71	10.61	1.80	1.77	1
8.10	1.84	0.70	10.61	1.79	1.77	1
7.92	1.79	0.68	10.61	1.78	1.76	1
7.74	1.75	0.67	10.61	1.77	1.75	1
7.56	1.71	0.65	10.61	1.76	1.75	1
7.38	1.67	0.64	10.61	1.75	1.74	1
7.20	1.62	0.62	10.61	1.75	1.74	1
7.02	1.58	0.60	10.61	1.74	1.73	1
6.84	1.54	0.59	10.61	1.73	1.72	1
6.66	1.50	0.57	10.61	1.72	1.72	1
6.48	1.45	0.56	10.61	1.72	1.71	1
6.30	1.41	0.54	10.61	1.71	1.71	1
6.12	1.37	0.53	10.61	1.70	1.70	1
5.94	1.33	0.51	10.61	1.70	1.69	1
5.76	1.29	0.50	10.61	1.69	1.69	1
5.58	1.24	0.48	10.61	1.68	1.68	1
5.40	1.20	0.47	10.61	1.67	1.67	1
5.22	1.16	0.45	10.61	1.67	1.67	1
5.04	1.12	0.43	10.61	1.66	1.66	1
4.86	1.08	0.42	10.61	1.66	1.66	1
4.68	1.04	0.40	10.61	1.65	1.65	1
4.50	1.00	0.39	10.61	1.64	1.64	1
4.50	1.00	0.39	10.61	1.64	1.64	1
4.32	0.96	0.37	10.61	1.64	1.64	1
4.14	0.91	0.36	10.61	1.63	1.63	1
3.96	0.87	0.34	10.61	1.62	1.62	1
3.78	0.83	0.33	10.61	1.62	1.62	1
3.60	0.79	0.31	10.61	1.61	1.61	1
3.42	0.75	0.29	10.61	1.61	1.61	1
3.24	0.71	0.28	10.61	1.60	1.60	1
3.06	0.67	0.26	10.61	1.59	1.59	1
2.88	0.63	0.25	10.61	1.59	1.59	1

			B145.pso			
2.70	0.59	0.23	10.61	1.58	1.58	1
2.52	0.55	0.22	10.61	1.58	1.57	1
2.34	0.51	0.20	10.61	1.57	1.57	1
2.16	0.47	0.19	10.61	1.57	1.56	1
1.98	0.43	0.17	10.61	1.56	1.56	1
1.80	0.39	0.16	10.61	1.56	1.55	1
1.62	0.35	0.14	10.61	1.55	1.54	1
1.44	0.31	0.12	10.61	1.55	1.54	1
1.26	0.27	0.11	10.61	1.54	1.53	1
1.08	0.23	0.09	10.61	1.54	1.53	1
0.90	0.20	0.08	10.61	1.53	1.52	1
0.72	0.16	0.06	10.61	1.53	1.51	1
0.54	0.12	0.05	10.61	1.52	1.51	1
0.36	0.08	0.03	10.61	1.52	1.50	1
0.18	0.04	0.02	10.61	1.51	1.49	1
0.00	0.00	0.00	10.61	1.51	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.98	0.00	0.00	0.00	0.00	0.00	1
3.94	2.23	2.23	0.00	0.00	0.00	1
3.91	4.47	4.47	0.00	0.00	0.00	1
3.88	6.70	6.70	0.00	0.00	0.00	1
3.85	8.93	8.93	0.00	0.00	0.00	1
3.82	11.16	11.16	0.00	0.00	0.00	1
3.79	13.40	13.40	0.00	0.00	0.00	1
3.76	15.63	15.63	0.00	0.00	0.00	1
3.73	17.86	17.86	0.00	0.00	0.00	1
3.70	20.10	20.10	0.00	0.00	0.00	1
3.67	22.33	22.33	0.00	0.00	0.00	1
3.64	24.56	24.56	0.00	0.00	0.00	1
3.61	26.80	26.80	0.00	0.00	0.00	1
3.58	29.03	29.03	0.00	0.00	0.00	1
3.54	31.26	31.26	0.00	0.00	0.00	1
3.51	33.49	33.49	0.00	0.00	0.00	1
3.48	35.73	35.73	0.00	0.00	0.00	1
3.45	37.96	37.96	0.00	0.00	0.00	1
3.42	40.19	40.19	0.00	0.00	0.00	1
3.39	42.43	42.43	0.00	0.00	0.00	1
3.36	44.66	44.66	0.00	0.00	0.00	1
3.33	46.89	46.89	0.00	0.00	0.00	1
3.30	49.13	49.13	0.00	0.00	0.00	1
3.27	51.36	51.36	0.00	0.00	0.00	1
3.24	53.59	53.59	0.00	0.00	0.00	1
3.20	55.82	50.75	0.00	0.00	5.08	1
3.20	58.06	58.06	0.00	0.00	5.08	1
3.16	60.97	49.66	11.31	3.05	12.70	1
3.11	65.70	60.18	19.32	6.14	3.81	1
3.06	70.48	61.81	27.14	9.29	3.81	1
3.01	75.30	63.45	34.75	12.47	3.81	1
2.97	80.16	65.08	42.12	15.70	3.81	1
2.92	85.06	66.72	49.25	18.95	3.81	1
2.87	89.98	68.35	56.14	22.24	3.81	1
2.82	94.93	69.99	62.79	25.56	3.81	1
2.78	99.91	71.62	69.21	28.90	3.81	1
2.73	104.90	73.26	75.41	32.26	3.81	1
2.68	109.91	74.89	81.41	35.64	3.81	1
2.64	114.94	76.53	87.22	39.03	3.82	1
2.59	119.97	78.11	92.86	42.43	3.86	1
2.55	125.01	79.66	98.36	45.83	3.95	1
2.50	130.06	81.18	103.72	49.25	4.07	1

			B145.pso			
2.46	135.11	82.65	108.96	52.66	4.23	1
2.41	140.17	84.09	114.09	56.08	4.43	1
2.37	145.22	85.49	119.13	59.50	4.66	1
2.32	150.27	86.87	124.09	62.92	4.92	1
2.28	155.32	88.21	128.98	66.33	5.21	1
2.23	160.37	89.53	133.80	69.75	5.53	1
2.19	165.42	90.81	138.57	73.15	5.88	1
2.14	170.46	92.08	143.29	76.56	6.25	1
2.10	175.49	93.31	147.97	79.96	6.65	1
2.06	180.52	94.52	152.61	83.35	7.08	1
2.06	180.52	27.91	152.61	83.35	7.08	1
2.01	185.54	95.73	157.25	86.74	7.50	1
1.97	190.56	96.92	161.85	90.13	7.95	1
1.92	195.57	98.09	166.43	93.50	8.41	1
1.88	200.58	99.24	170.98	96.87	8.90	1
1.84	205.58	100.72	175.51	100.24	9.05	1
1.79	210.57	102.94	180.01	103.59	8.47	1
1.75	215.55	105.11	184.50	106.94	7.93	1
1.71	220.53	107.25	188.97	110.28	7.43	1
1.67	225.50	109.35	193.42	113.62	6.96	1
1.62	230.46	111.42	197.85	116.94	6.53	1
1.58	235.41	113.45	202.27	120.26	6.14	1
1.54	240.36	115.44	206.67	123.57	5.78	1
1.50	245.30	117.40	211.06	126.88	5.45	1
1.45	250.23	119.33	215.44	130.17	5.15	1
1.41	255.15	121.23	219.80	133.46	4.89	1
1.37	260.06	123.10	224.14	136.73	4.66	1
1.33	264.97	124.94	228.48	140.00	4.46	1
1.29	269.86	126.75	232.80	143.27	4.28	1
1.24	274.75	128.53	237.10	146.52	4.14	1
1.20	279.63	130.28	241.39	149.76	4.02	1
1.16	284.50	132.00	245.67	153.00	3.93	1
1.12	289.36	133.70	249.94	156.22	3.87	1
1.08	294.21	135.37	254.19	159.44	3.83	1
1.04	299.06	137.02	258.43	162.65	3.81	1
1.00	303.89	138.66	262.65	165.85	3.81	1
1.00	303.89	41.24	262.65	165.85	3.81	1
0.96	308.72	140.29	266.86	169.04	3.81	1
0.91	313.54	141.93	271.06	172.22	3.81	1
0.87	318.34	143.56	275.25	175.40	3.81	1
0.83	323.14	145.18	279.42	178.56	3.83	1
0.79	327.93	146.78	283.57	181.72	3.87	1
0.75	332.71	148.35	287.71	184.86	3.93	1
0.71	337.48	149.91	291.83	188.00	4.01	1
0.67	342.24	151.44	295.94	191.12	4.11	1
0.63	158.71	152.95	5.76	157.57	-151.81	1
0.59	162.85	154.44	8.40	160.07	-151.67	1
0.55	166.98	155.91	11.06	162.57	-151.50	1
0.51	171.10	157.37	13.74	165.06	-151.32	1
0.47	175.23	158.80	16.42	167.54	-151.12	1
0.43	179.34	160.22	19.12	170.02	-150.90	1
0.39	183.45	161.61	21.84	172.50	-150.66	1
0.35	187.56	162.99	24.56	174.97	-150.41	1
0.31	191.66	164.36	27.30	177.43	-150.13	1
0.27	195.75	165.70	30.05	179.89	-149.85	1
0.23	199.84	167.03	32.81	182.35	-149.54	1
0.20	203.93	168.35	35.58	184.80	-149.22	1
0.16	208.01	169.64	38.36	187.24	-148.88	1
0.12	212.08	170.93	41.16	189.69	-148.53	1
0.08	216.15	172.19	43.96	192.12	-148.16	1
0.04	220.22	173.45	46.77	194.55	-147.78	1
0.00	224.28	174.69	49.59	196.98	0.00	1

B145.pso

Time = 3650. Degree of Consolidation = 98.0%

Total Settlement = 12.524

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 3650. = 12.222

Settlement caused by Secondary Compression at time 3650. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.48

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
16.50	3.98	1.42	10.61	1.98	1.98	1
16.38	3.94	1.41	10.61	1.98	1.98	1
16.26	3.91	1.40	10.61	1.98	1.98	1
16.14	3.88	1.39	10.61	1.98	1.98	1
16.02	3.85	1.38	10.61	1.98	1.98	1
15.90	3.82	1.37	10.61	1.98	1.98	1
15.78	3.79	1.36	10.61	1.98	1.98	1
15.66	3.76	1.35	10.61	1.98	1.98	1
15.54	3.73	1.34	10.61	1.98	1.98	1
15.42	3.70	1.33	10.61	1.98	1.98	1
15.30	3.67	1.32	10.61	1.98	1.98	1
15.18	3.64	1.31	10.61	1.98	1.98	1
15.06	3.61	1.30	10.61	1.98	1.98	1
14.94	3.58	1.29	10.61	1.98	1.98	1
14.82	3.54	1.28	10.61	1.98	1.98	1
14.70	3.51	1.27	10.61	1.98	1.98	1
14.58	3.48	1.26	10.61	1.98	1.98	1
14.46	3.45	1.25	10.61	1.98	1.98	1
14.34	3.42	1.24	10.61	1.98	1.98	1
14.22	3.39	1.22	10.61	1.98	1.98	1
14.10	3.36	1.21	10.61	1.98	1.98	1
13.98	3.33	1.20	10.61	1.98	1.98	1
13.86	3.30	1.19	10.61	1.98	1.98	1
13.74	3.27	1.18	10.61	1.98	1.98	1
13.62	3.24	1.17	10.61	1.98	1.98	1
13.50	3.20	1.16	10.61	2.12	1.98	1
13.50	3.20	1.16	10.61	2.12	1.98	1
13.32	3.16	1.15	10.61	2.11	2.11	1
13.14	3.11	1.13	10.61	2.09	2.09	1
12.96	3.06	1.12	10.61	2.08	2.08	1
12.78	3.01	1.10	10.61	2.07	2.07	1
12.60	2.97	1.09	10.61	2.06	2.06	1
12.42	2.92	1.07	10.61	2.04	2.04	1
12.24	2.87	1.05	10.61	2.03	2.03	1
12.06	2.82	1.04	10.61	2.02	2.02	1
11.88	2.78	1.02	10.61	2.01	2.01	1
11.70	2.73	1.01	10.61	1.99	1.99	1
11.52	2.68	0.99	10.61	1.98	1.98	1
11.34	2.64	0.98	10.61	1.97	1.97	1

			B145.pso			
11.16	2.59	0.96	10.61	1.96	1.96	1
10.98	2.55	0.95	10.61	1.94	1.94	1
10.80	2.50	0.93	10.61	1.93	1.93	1
10.62	2.46	0.91	10.61	1.92	1.92	1
10.44	2.41	0.90	10.61	1.91	1.91	1
10.26	2.37	0.88	10.61	1.90	1.89	1
10.08	2.32	0.87	10.61	1.89	1.88	1
9.90	2.28	0.85	10.61	1.88	1.87	1
9.72	2.23	0.84	10.61	1.87	1.86	1
9.54	2.19	0.82	10.61	1.86	1.84	1
9.36	2.14	0.81	10.61	1.85	1.83	1
9.18	2.10	0.79	10.61	1.84	1.82	1
9.00	2.05	0.78	10.61	1.83	1.81	1
9.00	2.05	0.78	10.61	1.83	1.79	1
8.82	2.01	0.76	10.61	1.82	1.79	1
8.64	1.97	0.74	10.61	1.81	1.79	1
8.46	1.92	0.73	10.61	1.80	1.78	1
8.28	1.88	0.71	10.61	1.80	1.77	1
8.10	1.84	0.70	10.61	1.79	1.77	1
7.92	1.79	0.68	10.61	1.78	1.76	1
7.74	1.75	0.67	10.61	1.77	1.75	1
7.56	1.71	0.65	10.61	1.76	1.75	1
7.38	1.67	0.64	10.61	1.75	1.74	1
7.20	1.62	0.62	10.61	1.75	1.74	1
7.02	1.58	0.60	10.61	1.74	1.73	1
6.84	1.54	0.59	10.61	1.73	1.72	1
6.66	1.50	0.57	10.61	1.72	1.72	1
6.48	1.45	0.56	10.61	1.72	1.71	1
6.30	1.41	0.54	10.61	1.71	1.71	1
6.12	1.37	0.53	10.61	1.70	1.70	1
5.94	1.33	0.51	10.61	1.70	1.69	1
5.76	1.29	0.50	10.61	1.69	1.69	1
5.58	1.24	0.48	10.61	1.68	1.68	1
5.40	1.20	0.47	10.61	1.67	1.67	1
5.22	1.16	0.45	10.61	1.67	1.67	1
5.04	1.12	0.43	10.61	1.66	1.66	1
4.86	1.08	0.42	10.61	1.66	1.66	1
4.68	1.04	0.40	10.61	1.65	1.65	1
4.50	1.00	0.39	10.61	1.64	1.64	1
4.50	1.00	0.39	10.61	1.64	1.64	1
4.32	0.96	0.37	10.61	1.64	1.64	1
4.14	0.91	0.36	10.61	1.63	1.63	1
3.96	0.87	0.34	10.61	1.62	1.62	1
3.78	0.83	0.33	10.61	1.62	1.62	1
3.60	0.79	0.31	10.61	1.61	1.61	1
3.42	0.75	0.29	10.61	1.61	1.61	1
3.24	0.71	0.28	10.61	1.60	1.60	1
3.06	0.67	0.26	10.61	1.59	1.59	1
2.88	0.63	0.25	10.61	1.59	1.59	1
2.70	0.59	0.23	10.61	1.58	1.58	1
2.52	0.55	0.22	10.61	1.58	1.57	1
2.34	0.51	0.20	10.61	1.57	1.57	1
2.16	0.47	0.19	10.61	1.57	1.56	1
1.98	0.43	0.17	10.61	1.56	1.56	1
1.80	0.39	0.16	10.61	1.56	1.55	1
1.62	0.35	0.14	10.61	1.55	1.54	1
1.44	0.31	0.12	10.61	1.55	1.54	1
1.26	0.27	0.11	10.61	1.54	1.53	1
1.08	0.23	0.09	10.61	1.54	1.53	1
0.90	0.20	0.08	10.61	1.53	1.52	1
0.72	0.16	0.06	10.61	1.53	1.51	1
0.54	0.12	0.05	10.61	1.52	1.51	1
0.36	0.08	0.03	10.61	1.52	1.50	1

0.18	0.04	0.02	B145.pso 10.61	1.51	1.49	1
0.00	0.00	0.00	10.61	1.51	1.49	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.98	0.00	0.00	0.00	0.00	0.00	1
3.94	2.23	2.23	0.00	0.00	0.00	1
3.91	4.47	4.47	0.00	0.00	0.00	1
3.88	6.70	6.70	0.00	0.00	0.00	1
3.85	8.93	8.93	0.00	0.00	0.00	1
3.82	11.16	11.16	0.00	0.00	0.00	1
3.79	13.40	13.40	0.00	0.00	0.00	1
3.76	15.63	15.63	0.00	0.00	0.00	1
3.73	17.86	17.86	0.00	0.00	0.00	1
3.70	20.10	20.10	0.00	0.00	0.00	1
3.67	22.33	22.33	0.00	0.00	0.00	1
3.64	24.56	24.56	0.00	0.00	0.00	1
3.61	26.80	26.80	0.00	0.00	0.00	1
3.58	29.03	29.03	0.00	0.00	0.00	1
3.54	31.26	31.26	0.00	0.00	0.00	1
3.51	33.49	33.49	0.00	0.00	0.00	1
3.48	35.73	35.73	0.00	0.00	0.00	1
3.45	37.96	37.96	0.00	0.00	0.00	1
3.42	40.19	40.19	0.00	0.00	0.00	1
3.39	42.43	42.43	0.00	0.00	0.00	1
3.36	44.66	44.66	0.00	0.00	0.00	1
3.33	46.89	46.89	0.00	0.00	0.00	1
3.30	49.13	49.13	0.00	0.00	0.00	1
3.27	51.36	51.36	0.00	0.00	0.00	1
3.24	53.59	53.59	0.00	0.00	0.00	1
3.20	55.82	50.75	0.00	0.00	5.08	1
3.20	58.06	58.06	0.00	0.00	5.08	1
3.16	60.97	49.66	11.31	3.05	12.70	1
3.11	65.70	60.18	19.32	6.14	3.81	1
3.06	70.48	61.81	27.14	9.29	3.81	1
3.01	75.30	63.45	34.75	12.47	3.81	1
2.97	80.16	65.08	42.12	15.70	3.81	1
2.92	85.06	66.72	49.25	18.95	3.81	1
2.87	89.98	68.35	56.14	22.24	3.81	1
2.82	94.93	69.99	62.79	25.56	3.81	1
2.78	99.91	71.62	69.21	28.90	3.81	1
2.73	104.90	73.26	75.41	32.26	3.81	1
2.68	109.91	74.89	81.41	35.64	3.81	1
2.64	114.94	76.53	87.22	39.03	3.82	1
2.59	119.97	78.11	92.86	42.43	3.86	1
2.55	125.01	79.66	98.36	45.83	3.95	1
2.50	130.06	81.18	103.72	49.25	4.07	1
2.46	135.11	82.65	108.96	52.66	4.23	1
2.41	140.17	84.09	114.09	56.08	4.43	1
2.37	145.22	85.49	119.13	59.50	4.66	1
2.32	150.27	86.87	124.09	62.92	4.92	1
2.28	155.32	88.21	128.98	66.33	5.21	1
2.23	160.37	89.53	133.80	69.75	5.53	1
2.19	165.42	90.81	138.57	73.15	5.88	1
2.14	170.46	92.08	143.29	76.56	6.25	1
2.10	175.49	93.31	147.97	79.96	6.65	1
2.05	180.52	94.52	152.61	83.35	7.08	1
2.05	180.52	27.91	152.61	83.35	7.08	1
2.01	185.54	95.73	157.25	86.74	7.50	1
1.97	190.56	96.92	161.85	90.13	7.95	1
1.92	195.57	98.09	166.43	93.50	8.41	1

			B145.pso			
1.88	200.58	99.24	170.98	96.87	8.90	1
1.84	205.58	100.72	175.51	100.24	9.05	1
1.79	210.57	102.94	180.01	103.59	8.47	1
1.75	215.55	105.11	184.50	106.94	7.93	1
1.71	220.53	107.25	188.97	110.28	7.43	1
1.67	225.50	109.35	193.42	113.62	6.96	1
1.62	230.46	111.42	197.85	116.94	6.53	1
1.58	235.41	113.45	202.27	120.26	6.14	1
1.54	240.36	115.44	206.67	123.57	5.78	1
1.50	245.30	117.40	211.06	126.88	5.45	1
1.45	250.23	119.33	215.44	130.17	5.15	1
1.41	255.15	121.23	219.80	133.46	4.89	1
1.37	260.06	123.10	224.14	136.73	4.66	1
1.33	264.97	124.94	228.48	140.00	4.46	1
1.29	269.86	126.75	232.80	143.27	4.28	1
1.24	274.75	128.53	237.10	146.52	4.14	1
1.20	279.63	130.28	241.39	149.76	4.02	1
1.16	284.50	132.00	245.67	153.00	3.93	1
1.12	289.36	133.70	249.94	156.22	3.87	1
1.08	294.21	135.37	254.19	159.44	3.83	1
1.04	299.06	137.02	258.43	162.65	3.81	1
1.00	303.89	138.66	262.65	165.85	3.81	1
1.00	303.89	41.24	262.65	165.85	3.81	1
0.96	308.72	140.29	266.86	169.04	3.81	1
0.91	313.54	141.93	271.06	172.22	3.81	1
0.87	318.34	143.56	275.25	175.40	3.81	1
0.83	323.14	145.18	279.42	178.56	3.83	1
0.79	327.93	146.78	283.57	181.72	3.86	1
0.75	332.71	148.36	287.71	184.86	3.92	1
0.71	337.48	149.92	291.83	188.00	4.00	1
0.67	157.17	151.45	5.72	155.06	-149.34	1
0.63	161.31	152.96	8.35	157.57	-149.22	1
0.59	165.45	154.46	10.99	160.07	-149.08	1
0.55	169.58	155.93	13.65	162.57	-148.91	1
0.51	173.71	157.38	16.32	165.06	-148.73	1
0.47	177.83	158.82	19.01	167.54	-148.53	1
0.43	181.94	160.24	21.71	170.02	-148.32	1
0.39	186.05	161.63	24.42	172.50	-148.08	1
0.35	190.16	163.02	27.14	174.97	-147.83	1
0.31	194.26	164.38	29.88	177.43	-147.56	1
0.27	198.35	165.73	32.62	179.89	-147.27	1
0.23	202.44	167.06	35.38	182.35	-146.97	1
0.20	206.53	168.37	38.15	184.80	-146.65	1
0.16	210.61	169.67	40.93	187.24	-146.31	1
0.12	214.68	170.96	43.72	189.68	-145.96	1
0.08	218.75	172.23	46.53	192.12	-145.59	1
0.04	222.82	173.48	49.34	194.55	-145.21	1
0.00	226.88	174.72	52.16	196.98	0.00	1

Time = 7300. Degree of Consolidation = 98.0%

Total Settlement = 12.525

Settlement at End of Primary Consolidation = 12.534

Settlement caused by Primary Consolidation at time 7300. = 12.222

Settlement caused by Secondary Compression at time 7300. = 0.000

Settlement Due to Desiccation = 0.302

Surface Elevation = 2.48

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B123 Cell 1 Marsh Calcs EI +4.5 feet.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.098895
Loading Stress XX [ksf]	-0.016171	0.0769229
Loading Stress YY [ksf]	-0.01753	0.0759066
Effective Stress ZZ [ksf]	-8.36247e-019	1.438
Effective Stress XX [ksf]	-0.016171	1.50083
Effective Stress YY [ksf]	-0.01753	1.50083
Total Stress ZZ [ksf]	0	3.40888
Total Stress XX [ksf]	-0.016171	3.47171
Total Stress YY [ksf]	-0.01753	3.47171
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.97088
Excess Pore Water Pressure [ksf]	0	0.098895
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.89825
Total Consolidation Settlement [in]	0	3.89825
Virgin Consolidation Settlement [in]	0	1.7055
Recompression Consolidation Settlement [in]	0	2.19275
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.28107
Loading Stress XX [ksf]	-0.0459595	0.218623
Loading Stress YY [ksf]	-0.0498221	0.215735
Effective Stress ZZ [ksf]	-4.59313e-011	1.55713
Effective Stress XX [ksf]	-0.0459595	1.71546
Effective Stress YY [ksf]	-0.0498221	1.71546
Total Stress ZZ [ksf]	0	3.59102
Total Stress XX [ksf]	-0.0459595	3.74935
Total Stress YY [ksf]	-0.0498221	3.74935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1576.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1576.92
Total Strain	-1.1377e-008	0.613131
Pore Water Pressure [ksf]	-0.000111989	2.03389
Excess Pore Water Pressure [ksf]	0	0.28107
Degree of Consolidation [%]	0	39.2855
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00971117

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.50414
Total Consolidation Settlement [in]	0	7.50414
Virgin Consolidation Settlement [in]	0	4.43897
Recompression Consolidation Settlement [in]	0	3.06517
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.45804
Loading Stress XX [ksf]	-0.074897	0.356274
Loading Stress YY [ksf]	-0.0811916	0.351568
Effective Stress ZZ [ksf]	-5.78681e-011	1.75804
Effective Stress XX [ksf]	-0.074897	2.01004
Effective Stress YY [ksf]	-0.0811916	2.01004
Total Stress ZZ [ksf]	0	3.76797
Total Stress XX [ksf]	-0.074897	4.01997
Total Stress YY [ksf]	-0.0811916	4.01997
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	894.789
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	894.789
Total Strain	-8.40235e-008	0.753898
Pore Water Pressure [ksf]	-0.000204105	2.00993
Excess Pore Water Pressure [ksf]	0	0.458012
Degree of Consolidation [%]	0	62.6665
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0180356

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.8491
Total Consolidation Settlement [in]	0	10.8491
Virgin Consolidation Settlement [in]	0	7.47364
Recompression Consolidation Settlement [in]	0	3.37544
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5205
Loading Stress XX [ksf]	-0.0851103	0.404857
Loading Stress YY [ksf]	-0.0922632	0.399509
Effective Stress ZZ [ksf]	-6.17495e-011	1.95238
Effective Stress XX [ksf]	-0.0851103	2.22667
Effective Stress YY [ksf]	-0.0922632	2.22667
Total Stress ZZ [ksf]	0	3.83042
Total Stress XX [ksf]	-0.0851103	4.1047
Total Stress YY [ksf]	-0.0922632	4.1047
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	620.981
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	620.981
Total Strain	-1.43433e-007	0.813913
Pore Water Pressure [ksf]	-0.000276121	1.87804
Excess Pore Water Pressure [ksf]	0	0.520292
Degree of Consolidation [%]	0	84.2111
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0273705

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.2448
Total Consolidation Settlement [in]	0	11.2448
Virgin Consolidation Settlement [in]	0	7.84052
Recompression Consolidation Settlement [in]	0	3.40427
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.601
Loading Stress XX [ksf]	-0.106721	0.462491
Loading Stress YY [ksf]	-0.1177	0.453051
Effective Stress ZZ [ksf]	-1.81092e-011	2.01689
Effective Stress XX [ksf]	-0.106721	2.34531
Effective Stress YY [ksf]	-0.1177	2.34157
Total Stress ZZ [ksf]	0	3.91092
Total Stress XX [ksf]	-0.106721	4.23934
Total Stress YY [ksf]	-0.1177	4.23563
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5251.71
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5251.71
Total Strain	-2.16786e-007	0.838766
Pore Water Pressure [ksf]	-0.000341898	1.93199
Excess Pore Water Pressure [ksf]	-2.07284e-006	0.60075
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.0162
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0551668	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0282666

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7219
Total Consolidation Settlement [in]	0	11.7219
Virgin Consolidation Settlement [in]	0	8.28624
Recompression Consolidation Settlement [in]	0	3.43568
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.601
Loading Stress XX [ksf]	-0.106721	0.462491
Loading Stress YY [ksf]	-0.1177	0.453051
Effective Stress ZZ [ksf]	-4.27374e-011	2.09988
Effective Stress XX [ksf]	-0.106721	2.42581
Effective Stress YY [ksf]	-0.1177	2.42211
Total Stress ZZ [ksf]	0	3.91092
Total Stress XX [ksf]	-0.106721	4.23686
Total Stress YY [ksf]	-0.1177	4.23315
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	649.217
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	649.217
Total Strain	-3.14072e-007	0.850388
Pore Water Pressure [ksf]	-0.000399647	1.872
Excess Pore Water Pressure [ksf]	-1.51067e-006	0.600702
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.09919
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.123275	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0295047

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.8378
Total Consolidation Settlement [in]	0	13.8378
Virgin Consolidation Settlement [in]	0	10.1242
Recompression Consolidation Settlement [in]	0	3.71357
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.391972
Loading Stress XX [ksf]	-0.0696032	0.301636
Loading Stress YY [ksf]	-0.0767642	0.29548
Effective Stress ZZ [ksf]	-4.858e-011	2.11088
Effective Stress XX [ksf]	-0.0696032	2.29125
Effective Stress YY [ksf]	-0.0767642	2.28882
Total Stress ZZ [ksf]	0	3.70192
Total Stress XX [ksf]	-0.0696032	3.88229
Total Stress YY [ksf]	-0.0767643	3.87987
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	356.541
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	356.541
Total Strain	-7.46522e-007	0.851764
Pore Water Pressure [ksf]	-0.204035	1.872
Excess Pore Water Pressure [ksf]	-0.209028	0.389531
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.131339	4.86
Permeability [ft/d]	0	0.0594504
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.6587
Total Consolidation Settlement [in]	0	13.6587
Virgin Consolidation Settlement [in]	0	10.147
Recompression Consolidation Settlement [in]	0	3.51175
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.377248
Loading Stress XX [ksf]	-0.0669885	0.290305
Loading Stress YY [ksf]	-0.0738806	0.28438
Effective Stress ZZ [ksf]	-5.96005e-011	1.90095
Effective Stress XX [ksf]	-0.0669885	2.07277
Effective Stress YY [ksf]	-0.0738806	2.07044
Total Stress ZZ [ksf]	0	3.6872
Total Stress XX [ksf]	-0.0669886	3.85903
Total Stress YY [ksf]	-0.0738806	3.8567
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	514.767
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	514.767
Total Strain	-1.40767e-006	0.842068
Pore Water Pressure [ksf]	-0.0137741	1.872
Excess Pore Water Pressure [ksf]	-0.0267355	0.355162
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0745201	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.6645
Total Consolidation Settlement [in]	0	13.6645
Virgin Consolidation Settlement [in]	0	10.147
Recompression Consolidation Settlement [in]	0	3.51755
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.368894
Loading Stress XX [ksf]	-0.0655051	0.283877
Loading Stress YY [ksf]	-0.0722445	0.278082
Effective Stress ZZ [ksf]	-5.45937e-011	1.88626
Effective Stress XX [ksf]	-0.0655051	2.05267
Effective Stress YY [ksf]	-0.0722445	2.0504
Total Stress ZZ [ksf]	0	3.67885
Total Stress XX [ksf]	-0.0655051	3.84526
Total Stress YY [ksf]	-0.0722446	3.84299
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	521.392
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	521.392
Total Strain	-1.63385e-006	0.840881
Pore Water Pressure [ksf]	-0.00712474	1.872
Excess Pore Water Pressure [ksf]	-0.0154047	0.333944
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0675648	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.7264
Total Consolidation Settlement [in]	0	13.7264
Virgin Consolidation Settlement [in]	0	10.147
Recompression Consolidation Settlement [in]	0	3.57945
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.368894
Loading Stress XX [ksf]	-0.0655051	0.283877
Loading Stress YY [ksf]	-0.0722445	0.278082
Effective Stress ZZ [ksf]	-4.13569e-011	1.87822
Effective Stress XX [ksf]	-0.0655051	2.04432
Effective Stress YY [ksf]	-0.0722445	2.04204
Total Stress ZZ [ksf]	0	3.67885
Total Stress XX [ksf]	-0.0655051	3.84494
Total Stress YY [ksf]	-0.0722446	3.84267
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	531.38
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	531.38
Total Strain	-1.86149e-006	0.840431
Pore Water Pressure [ksf]	-0.000448121	1.872
Excess Pore Water Pressure [ksf]	-0.000920169	0.308437
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0649248	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.8078
Total Consolidation Settlement [in]	0	13.8078
Virgin Consolidation Settlement [in]	0	10.147
Recompression Consolidation Settlement [in]	0	3.66085
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.346116
Loading Stress XX [ksf]	-0.0614604	0.266348
Loading Stress YY [ksf]	-0.0677837	0.260912
Effective Stress ZZ [ksf]	-1.93876e-011	1.87865
Effective Stress XX [ksf]	-0.0614604	2.02966
Effective Stress YY [ksf]	-0.0677837	2.02752
Total Stress ZZ [ksf]	0	3.65607
Total Stress XX [ksf]	-0.0614604	3.80708
Total Stress YY [ksf]	-0.0677838	3.80495
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	497.285
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	497.285
Total Strain	-1.83573e-006	0.839221
Pore Water Pressure [ksf]	-0.0211617	1.872
Excess Pore Water Pressure [ksf]	-0.0228253	0.261769
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0578356	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.8143
Total Consolidation Settlement [in]	0	13.8143
Virgin Consolidation Settlement [in]	0	10.147
Recompression Consolidation Settlement [in]	0	3.66729
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.336921
Loading Stress XX [ksf]	-0.0598276	0.259272
Loading Stress YY [ksf]	-0.0659829	0.25398
Effective Stress ZZ [ksf]	-2.84042e-019	1.85591
Effective Stress XX [ksf]	-0.0598276	2.00096
Effective Stress YY [ksf]	-0.0659829	1.99888
Total Stress ZZ [ksf]	0	3.64688
Total Stress XX [ksf]	-0.0598276	3.79193
Total Stress YY [ksf]	-0.065983	3.78986
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	514.108
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	514.108
Total Strain	-1.65899e-006	0.837464
Pore Water Pressure [ksf]	-0.00762728	1.872
Excess Pore Water Pressure [ksf]	-0.0107151	0.23011
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0475406	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.9062
Total Consolidation Settlement [in]	0	13.9062
Virgin Consolidation Settlement [in]	0	10.1588
Recompression Consolidation Settlement [in]	0	3.74732
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.328326
Loading Stress XX [ksf]	-0.0583015	0.252659
Loading Stress YY [ksf]	-0.0642997	0.247502
Effective Stress ZZ [ksf]	0	1.84719
Effective Stress XX [ksf]	-0.0583015	1.98624
Effective Stress YY [ksf]	-0.0642997	1.98421
Total Stress ZZ [ksf]	0	3.63829
Total Stress XX [ksf]	-0.0583015	3.77733
Total Stress YY [ksf]	-0.0642999	3.7753
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	513.017
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	513.017
Total Strain	-1.26271e-006	0.836445
Pore Water Pressure [ksf]	-0.00693731	1.872
Excess Pore Water Pressure [ksf]	-0.00862989	0.180812
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.041569	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.931
Total Consolidation Settlement [in]	0	13.931
Virgin Consolidation Settlement [in]	0	10.1664
Recompression Consolidation Settlement [in]	0	3.76456
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.325502
Loading Stress XX [ksf]	-0.0577999	0.250485
Loading Stress YY [ksf]	-0.0637465	0.245372
Effective Stress ZZ [ksf]	0	1.83873
Effective Stress XX [ksf]	-0.0577999	1.97582
Effective Stress YY [ksf]	-0.0637465	1.97382
Total Stress ZZ [ksf]	0	3.63546
Total Stress XX [ksf]	-0.0577999	3.77256
Total Stress YY [ksf]	-0.0637467	3.77055
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	520.944
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	520.944
Total Strain	-9.54385e-007	0.835781
Pore Water Pressure [ksf]	-0.00118455	1.872
Excess Pore Water Pressure [ksf]	-0.00339906	0.160486
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0376772	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.0448
Total Consolidation Settlement [in]	0	14.0448
Virgin Consolidation Settlement [in]	0	10.1863
Recompression Consolidation Settlement [in]	0	3.85853
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.31847
Loading Stress XX [ksf]	-0.0565513	0.245074
Loading Stress YY [ksf]	-0.0623695	0.240072
Effective Stress ZZ [ksf]	0	1.83649
Effective Stress XX [ksf]	-0.0565513	1.96847
Effective Stress YY [ksf]	-0.0623695	1.96651
Total Stress ZZ [ksf]	0	3.62843
Total Stress XX [ksf]	-0.0565513	3.76041
Total Stress YY [ksf]	-0.0623697	3.75844
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	512.646
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	512.646
Total Strain	-5.25593e-007	0.835196
Pore Water Pressure [ksf]	-0.00535892	1.872
Excess Pore Water Pressure [ksf]	-0.00703205	0.113226
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0342497	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.2319
Total Consolidation Settlement [in]	0	14.2319
Virgin Consolidation Settlement [in]	0	10.224
Recompression Consolidation Settlement [in]	0	4.00789
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.305248
Loading Stress XX [ksf]	-0.0542034	0.234899
Loading Stress YY [ksf]	-0.05978	0.230104
Effective Stress ZZ [ksf]	-7.81129e-020	1.83044
Effective Stress XX [ksf]	-0.0542034	1.95293
Effective Stress YY [ksf]	-0.05978	1.95104
Total Stress ZZ [ksf]	0	3.61521
Total Stress XX [ksf]	-0.0542035	3.7377
Total Stress YY [ksf]	-0.0597805	3.73582
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	499.248
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	499.248
Total Strain	-5.22896e-007	0.83397
Pore Water Pressure [ksf]	-0.0115407	1.872
Excess Pore Water Pressure [ksf]	-0.013222	0.0214406
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0270626	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.2089
Total Consolidation Settlement [in]	0	14.2089
Virgin Consolidation Settlement [in]	0	10.2254
Recompression Consolidation Settlement [in]	0	3.98351
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.299959
Loading Stress XX [ksf]	-0.0532643	0.230829
Loading Stress YY [ksf]	-0.0587443	0.226118
Effective Stress ZZ [ksf]	0	1.8171
Effective Stress XX [ksf]	-0.0532643	1.93631
Effective Stress YY [ksf]	-0.0587443	1.93445
Total Stress ZZ [ksf]	0	3.60992
Total Stress XX [ksf]	-0.0532643	3.72913
Total Stress YY [ksf]	-0.0587448	3.72728
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	510.637
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	510.637
Total Strain	-5.20027e-007	0.832813
Pore Water Pressure [ksf]	-0.00358614	1.872
Excess Pore Water Pressure [ksf]	-0.0052888	8.03248e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0202831	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.178
Total Consolidation Settlement [in]	0	14.178
Virgin Consolidation Settlement [in]	0	10.2254
Recompression Consolidation Settlement [in]	0	3.95263
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.295572
Loading Stress XX [ksf]	-0.0524852	0.227453
Loading Stress YY [ksf]	-0.0578851	0.22281
Effective Stress ZZ [ksf]	-5.99722e-011	1.81165
Effective Stress XX [ksf]	-0.0524852	1.92819
Effective Stress YY [ksf]	-0.0578851	1.92637
Total Stress ZZ [ksf]	0	3.60553
Total Stress XX [ksf]	-0.0524853	3.72208
Total Stress YY [ksf]	-0.0578856	3.72026
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	511.684
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	511.684
Total Strain	-5.20016e-007	0.832194
Pore Water Pressure [ksf]	-0.00267304	1.872
Excess Pore Water Pressure [ksf]	-0.00484057	4.23088e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0166581	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.1435
Total Consolidation Settlement [in]	0	14.1435
Virgin Consolidation Settlement [in]	0	10.2254
Recompression Consolidation Settlement [in]	0	3.91805
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.294911
Loading Stress XX [ksf]	-0.0523678	0.226944
Loading Stress YY [ksf]	-0.0577556	0.222312
Effective Stress ZZ [ksf]	-3.01795e-019	1.80708
Effective Stress XX [ksf]	-0.0523678	1.92338
Effective Stress YY [ksf]	-0.0577556	1.92156
Total Stress ZZ [ksf]	0	3.60487
Total Stress XX [ksf]	-0.0523679	3.72117
Total Stress YY [ksf]	-0.0577561	3.71935
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.09
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.09
Total Strain	-5.19994e-007	0.831867
Pore Water Pressure [ksf]	-0.000476318	1.872
Excess Pore Water Pressure [ksf]	-0.000697977	4.12927e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0147432	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.1383
Total Consolidation Settlement [in]	0	14.1383
Virgin Consolidation Settlement [in]	0	10.2254
Recompression Consolidation Settlement [in]	0	3.9129
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.294911
Loading Stress XX [ksf]	-0.0523678	0.226944
Loading Stress YY [ksf]	-0.0577556	0.222312
Effective Stress ZZ [ksf]	0	1.80639
Effective Stress XX [ksf]	-0.0523678	1.92272
Effective Stress YY [ksf]	-0.0577556	1.9209
Total Stress ZZ [ksf]	0	3.60487
Total Stress XX [ksf]	-0.0523679	3.7212
Total Stress YY [ksf]	-0.0577561	3.71938
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	519.251
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	519.251
Total Strain	-5.19981e-007	0.831824
Pore Water Pressure [ksf]	-0.000476318	1.872
Excess Pore Water Pressure [ksf]	-9.15567e-008	2.25247e-008
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.11026
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0144912	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.032071

Loads

1. Rectangular Load: "Rectangular Load 1"

Length 1000 ft
Width 1000 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.5205 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 120 d	0	0
Stage 11 = 150 d	0	0
Stage 12 = 180 d	0	0
Stage 13 = 240 d	0	0
Stage 14 = 270 d	0	0
Stage 15 = 365 d	0	0
Stage 16 = 730 d	0	0
Stage 17 = 1095 d	0	0
Stage 18 = 1825 d	0	0
Stage 19 = 3650 d	0	0
Stage 20 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1079 ft
Width 1100 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1.1869e+006 ft²
Load 0.601 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.6522	0
Stage 8 = 75 d	0.6277	0
Stage 9 = 90 d	0.6138	0
Stage 10 = 120 d	0.6138	0
Stage 11 = 150 d	0.5759	0
Stage 12 = 180 d	0.5606	0
Stage 13 = 240 d	0.5463	0
Stage 14 = 270 d	0.5416	0
Stage 15 = 365 d	0.5299	0
Stage 16 = 730 d	0.5079	0
Stage 17 = 1095 d	0.4991	0
Stage 18 = 1825 d	0.4918	0
Stage 19 = 3650 d	0.4907	0
Stage 20 = 7300 d	0.4907	0

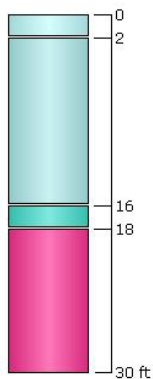
Coordinates

X [ft]	Y [ft]
-539.5	-550
539.5	-550
539.5	550
-539.5	550





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	Yes
2	Very Soft Clay (CH) 2	14	2	No
3	Very Soft Clay (CH) 3	2	16	Yes
4	Clayey Sand	12	18	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Clayey Sand
Color				
Unit Weight [kips/ft³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	10	3.1	1.4	-
Cv [ft²/d]	0.03	0.07	0.07	-
Cvr [ft²/d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1089.5	2000
1089.5	-2000
-1089.5	-2000
-1089.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-7/B-7A

Initial Sequence of Lifts

Specific Gravity:	2.69	Initial γ (pcf):	86.75 (assumes 100% saturation)
Initial Void Ratio:	3.33	Water El (feet):	0.50
Initial Fill El (feet):	4.50	Initial stress (ksf):	0.5205 During Construction at 29 days
Initial Avg. Mudline El (feet):	-1.50	Stress at EOC (ksf):	0.601 End of Construction at 30 days
Mudline at EOC (feet):	-2.43		

Note:	
	Title
	Manual Input
	Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.977	1.154	1.136	1.137	1.151	1.152	1.160	1.163	1.173	1.190	1.190	1.182	1.179	1.178
Ending Mudline El. (feet):	-2.48	-2.65	-2.65	-2.65	-2.65	-2.65	-2.66	-2.66	-2.67	-2.69	-2.69	-2.69	-2.69	-2.69
Net PSDDF Settlement (feet):		0.29	0.539	0.749	1.177	1.35	1.484	1.53	1.639	1.852	1.944	2.014	2.034	2.035
Ending Fill Thickness (feet):	6.977	6.686	6.438	6.228	5.800	5.627	5.493	5.447	5.338	5.125	5.033	4.963	4.943	4.942
Ending Fill El. (feet):	4.500	4.032	3.784	3.574	3.146	2.973	2.833	2.784	2.665	2.435	2.343	2.273	2.253	2.252
Avg. Void Ratio from PSDDF:	3.33	3.110	2.940	2.710	2.380	2.250	2.170	2.140	2.070	1.930	1.870	1.830	1.810	1.810
Ending γ (pcf):	86.75	88.06	89.17	90.82	93.60	94.85	95.67	95.98	96.75	98.39	99.14	99.66	99.93	99.93
Effective Stress at End Time (ksf):	0.6010	0.392	0.377	0.369	0.346	0.337	0.328	0.325	0.318	0.305	0.300	0.296	0.295	0.295

DRAFT

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Crea
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-7/B-7A
Mudline El.: -1.5 feet

LEGEND
Title
Manual Input
Calculation

Load End Time (days)	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.521	0.601	0.392	0.377	0.369	0.346	0.337	0.328	0.325	0.318	0.305	0.300	0.296	0.295	
Layer 1	0.700	0.733	0.836	0.810	0.807	0.807	0.803	0.801	0.800	0.800	0.800	0.800	0.793	0.792	0.791
Layer 2	0.215	0.230	0.297	0.306	0.310	0.324	0.329	0.339	0.343	0.353	0.370	0.370	0.369	0.367	0.367
Layer 3	0.012	0.014	0.021	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Layer 4															
Layer 5															
Layer 6															
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.93	0.98	1.15	1.14	1.14	1.15	1.15	1.16	1.16	1.17	1.19	1.19	1.18	1.18	1.18

DRAFT

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B123 Cell 1 Marsh Calcs EI +4.5 feet Sand.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.185955
Loading Stress XX [ksf]	-0.0304067	0.14464
Loading Stress YY [ksf]	-0.0329622	0.142729
Effective Stress ZZ [ksf]	-7.101e-019	1.438
Effective Stress XX [ksf]	-0.0304067	1.55615
Effective Stress YY [ksf]	-0.0329622	1.55615
Total Stress ZZ [ksf]	0	3.49593
Total Stress XX [ksf]	-0.0304067	3.61407
Total Stress YY [ksf]	-0.0329622	3.61407
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	2.05793
Excess Pore Water Pressure [ksf]	0	0.185955
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.0418257
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.62415
Total Consolidation Settlement [in]	0	5.62415
Virgin Consolidation Settlement [in]	0	2.94764
Recompression Consolidation Settlement [in]	0	2.67651
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.37191
Loading Stress XX [ksf]	-0.0608134	0.28928
Loading Stress YY [ksf]	-0.0659243	0.285459
Effective Stress ZZ [ksf]	-6.1833e-011	1.65316
Effective Stress XX [ksf]	-0.0608134	1.86022
Effective Stress YY [ksf]	-0.0659243	1.86022
Total Stress ZZ [ksf]	0	3.68185
Total Stress XX [ksf]	-0.0608134	3.88891
Total Stress YY [ksf]	-0.0659243	3.88891
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1109.72
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1109.72
Total Strain	-2.13925e-008	0.693547
Pore Water Pressure [ksf]	-0.000122098	2.02869
Excess Pore Water Pressure [ksf]	0	0.371909
Degree of Consolidation [%]	0	51.8392
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0140655

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.20089
Total Consolidation Settlement [in]	0	9.20089
Virgin Consolidation Settlement [in]	0	5.9772
Recompression Consolidation Settlement [in]	0	3.22369
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-3.21205e-011	1.85769
Effective Stress XX [ksf]	-0.0921415	2.16787
Effective Stress YY [ksf]	-0.0998853	2.16787
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.18359
Total Stress YY [ksf]	-0.0998853	4.18359
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	829.697
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	829.697
Total Strain	-1.29979e-007	0.804396
Pore Water Pressure [ksf]	-0.000206694	2.01572
Excess Pore Water Pressure [ksf]	0	0.563444
Degree of Consolidation [%]	0	67.1373
Pre-consolidation Stress [ksf]	0.0176	1.9538
Over-consolidation Ratio	1	10
Void Ratio	0	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0225804

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4049
Total Consolidation Settlement [in]	0	12.4049
Virgin Consolidation Settlement [in]	0	8.90285
Recompression Consolidation Settlement [in]	0	3.50205
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-5.81922e-011	2.06591
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.16693
Total Stress YY [ksf]	-0.0998853	4.16693
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	545.484
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	545.484
Total Strain	-1.79317e-007	0.844244
Pore Water Pressure [ksf]	-0.000261534	1.872
Excess Pore Water Pressure [ksf]	0	0.563084
Degree of Consolidation [%]	0	95.8587
Pre-consolidation Stress [ksf]	0.0176	2.06522
Over-consolidation Ratio	1	10
Void Ratio	-0.0872711	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.030114

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.553
Total Consolidation Settlement [in]	0	12.553
Virgin Consolidation Settlement [in]	0	9.02687
Recompression Consolidation Settlement [in]	0	3.52609
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-9.12298e-012	2.06668
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.16616
Total Stress YY [ksf]	-0.0998853	4.16616
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	544.463
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	544.463
Total Strain	-2.48368e-007	0.844445
Pore Water Pressure [ksf]	-0.000263812	1.872
Excess Pore Water Pressure [ksf]	0	0.563001
Degree of Consolidation [%]	0	96.036
Pre-consolidation Stress [ksf]	0.0176	2.06599
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0884499	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0302938

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.6869
Total Consolidation Settlement [in]	0	12.6869
Virgin Consolidation Settlement [in]	0	9.13851
Recompression Consolidation Settlement [in]	0	3.5484
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-4.84189e-012	2.06738
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.16546
Total Stress YY [ksf]	-0.0998853	4.16546
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	543.581
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	543.581
Total Strain	-3.22194e-007	0.844624
Pore Water Pressure [ksf]	-0.000301995	1.872
Excess Pore Water Pressure [ksf]	-3.15423e-008	0.562905
Degree of Consolidation [%]	0	96.1895
Pre-consolidation Stress [ksf]	0.0176	2.06669
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.089498	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.030454

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.7496
Total Consolidation Settlement [in]	0	13.7496
Virgin Consolidation Settlement [in]	0	9.95746
Recompression Consolidation Settlement [in]	0	3.7921
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-1.76647e-011	2.07291
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.15993
Total Stress YY [ksf]	-0.0998853	4.15993
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	537.496
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	537.496
Total Strain	-4.00099e-007	0.84563
Pore Water Pressure [ksf]	-0.000313996	1.872
Excess Pore Water Pressure [ksf]	-2.15477e-008	0.559275
Degree of Consolidation [%]	0	97.2503
Pre-consolidation Stress [ksf]	0.0176	2.07222
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0953895	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.03155

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.6327
Total Consolidation Settlement [in]	0	14.6327
Virgin Consolidation Settlement [in]	0	10.5177
Recompression Consolidation Settlement [in]	0	4.115
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.07749
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.15535
Total Stress YY [ksf]	-0.0998853	4.15535
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	533.274
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	533.274
Total Strain	-4.03295e-007	0.845973
Pore Water Pressure [ksf]	-0.000418483	1.872
Excess Pore Water Pressure [ksf]	-1.03989e-008	0.533094
Degree of Consolidation [%]	0	97.9697
Pre-consolidation Stress [ksf]	0.0176	2.0768
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0973993	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318814

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.9205
Total Consolidation Settlement [in]	0	14.9205
Virgin Consolidation Settlement [in]	0	10.6853
Recompression Consolidation Settlement [in]	0	4.23517
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-1.77577e-011	2.07899
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.15385
Total Stress YY [ksf]	-0.0998853	4.15385
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	532.049
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	532.049
Total Strain	-4.42132e-007	0.846001
Pore Water Pressure [ksf]	-0.000459691	1.872
Excess Pore Water Pressure [ksf]	-9.49209e-009	0.51223
Degree of Consolidation [%]	0	98.172
Pre-consolidation Stress [ksf]	0.0176	2.0783
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0975658	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318951

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.3474
Total Consolidation Settlement [in]	0	15.3474
Virgin Consolidation Settlement [in]	0	10.9126
Recompression Consolidation Settlement [in]	0	4.43488
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-2.98768e-011	2.08121
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.15163
Total Stress YY [ksf]	-0.0998853	4.15163
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	530.203
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	530.203
Total Strain	-4.80805e-007	0.846026
Pore Water Pressure [ksf]	-0.000515164	1.872
Excess Pore Water Pressure [ksf]	-7.55323e-009	0.462441
Degree of Consolidation [%]	0	98.4687
Pre-consolidation Stress [ksf]	0.0176	2.08052
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0977102	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.031899

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.6473
Total Consolidation Settlement [in]	0	15.6473
Virgin Consolidation Settlement [in]	0	11.0537
Recompression Consolidation Settlement [in]	0	4.59361
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-1.01516e-011	2.08277
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.15007
Total Stress YY [ksf]	-0.0998853	4.15007
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	528.813
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	528.813
Total Strain	-4.75883e-007	0.846038
Pore Water Pressure [ksf]	-0.000547323	1.872
Excess Pore Water Pressure [ksf]	-5.83811e-009	0.409205
Degree of Consolidation [%]	0	98.6842
Pre-consolidation Stress [ksf]	0.0176	2.08208
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0977829	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318992

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.8668
Total Consolidation Settlement [in]	0	15.8668
Virgin Consolidation Settlement [in]	0	11.1455
Recompression Consolidation Settlement [in]	0	4.72133
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.08391
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.14893
Total Stress YY [ksf]	-0.0998854	4.14893
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	527.698
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	527.698
Total Strain	-4.56155e-007	0.846047
Pore Water Pressure [ksf]	-0.000570455	1.872
Excess Pore Water Pressure [ksf]	-4.43636e-009	0.35756
Degree of Consolidation [%]	0	98.8509
Pre-consolidation Stress [ksf]	0.0176	2.08322
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0978345	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318992

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.1614
Total Consolidation Settlement [in]	0	16.1614
Virgin Consolidation Settlement [in]	0	11.2516
Recompression Consolidation Settlement [in]	0	4.90977
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.08545
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.14739
Total Stress YY [ksf]	-0.0998854	4.14739
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	525.975
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	525.975
Total Strain	-4.74032e-007	0.846057
Pore Water Pressure [ksf]	-0.000597754	1.872
Excess Pore Water Pressure [ksf]	0	0.266985
Degree of Consolidation [%]	0	99.0959
Pre-consolidation Stress [ksf]	0.0176	2.08476
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0978953	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318992

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.2631
Total Consolidation Settlement [in]	0	16.2631
Virgin Consolidation Settlement [in]	0	11.2836
Recompression Consolidation Settlement [in]	0	4.97948
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.08598
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.14686
Total Stress YY [ksf]	-0.0998854	4.14686
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	525.284
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	525.284
Total Strain	-4.7964e-007	0.84606
Pore Water Pressure [ksf]	-0.000606346	1.872
Excess Pore Water Pressure [ksf]	-2.7912e-009	0.229127
Degree of Consolidation [%]	0	99.2117
Pre-consolidation Stress [ksf]	0.0176	2.08529
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0979144	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318992

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.4701
Total Consolidation Settlement [in]	0	16.4701
Virgin Consolidation Settlement [in]	0	11.3376
Recompression Consolidation Settlement [in]	0	5.13257
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.08705
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.14579
Total Stress YY [ksf]	-0.0998854	4.14579
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	523.58
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	523.58
Total Strain	-4.80456e-007	0.846066
Pore Water Pressure [ksf]	-0.000621474	1.872
Excess Pore Water Pressure [ksf]	0	0.137259
Degree of Consolidation [%]	0	99.5094
Pre-consolidation Stress [ksf]	0.0176	2.08636
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0979482	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0318992

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.8485
Total Consolidation Settlement [in]	0	16.8485
Virgin Consolidation Settlement [in]	0	11.5753
Recompression Consolidation Settlement [in]	0	5.27328
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-1.6808e-011	2.08902
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.14382
Total Stress YY [ksf]	-0.0998854	4.14382
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	520.36
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	520.36
Total Strain	-4.7199e-007	0.84608
Pore Water Pressure [ksf]	-0.000657274	1.872
Excess Pore Water Pressure [ksf]	-2.57261e-010	0.0159459
Degree of Consolidation [%]	0	99.9412
Pre-consolidation Stress [ksf]	0.0176	2.08833
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0980279	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0355863

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.9018
Total Consolidation Settlement [in]	0	16.9018
Virgin Consolidation Settlement [in]	0	11.613
Recompression Consolidation Settlement [in]	0	5.28874
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.0893
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.14354
Total Stress YY [ksf]	-0.0998855	4.14354
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	519.245
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	519.245
Total Strain	-4.63245e-007	0.846082
Pore Water Pressure [ksf]	-0.000664238	1.872
Excess Pore Water Pressure [ksf]	-6.70499e-010	0.00213743
Degree of Consolidation [%]	0	99.9923
Pre-consolidation Stress [ksf]	0.0176	2.08861
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.0980434	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0360118

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.9101
Total Consolidation Settlement [in]	0	16.9101
Virgin Consolidation Settlement [in]	0	11.619
Recompression Consolidation Settlement [in]	0	5.29108
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-1.72674e-011	2.08934
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.1435
Total Stress YY [ksf]	-0.0998855	4.1435
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.703
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.703
Total Strain	-4.57892e-007	0.846083
Pore Water Pressure [ksf]	-0.000665378	1.872
Excess Pore Water Pressure [ksf]	-2.49672e-009	3.99086e-005
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.0176	2.08865
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.098046	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0360783

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.9102
Total Consolidation Settlement [in]	0	16.9102
Virgin Consolidation Settlement [in]	0	11.6191
Recompression Consolidation Settlement [in]	0	5.29113
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	-3.64308e-012	2.08934
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.1435
Total Stress YY [ksf]	-0.0998855	4.1435
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.622
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.622
Total Strain	-4.5924e-007	0.846083
Pore Water Pressure [ksf]	-0.0006654	1.872
Excess Pore Water Pressure [ksf]	-2.44872e-009	5.76659e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.08865
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.098046	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0360796

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.9102
Total Consolidation Settlement [in]	0	16.9102
Virgin Consolidation Settlement [in]	0	11.6191
Recompression Consolidation Settlement [in]	0	5.29113
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5635
Loading Stress XX [ksf]	-0.0921415	0.438304
Loading Stress YY [ksf]	-0.0998853	0.432513
Effective Stress ZZ [ksf]	0	2.08934
Effective Stress XX [ksf]	-0.0921415	2.35943
Effective Stress YY [ksf]	-0.0998853	2.35943
Total Stress ZZ [ksf]	0	3.87341
Total Stress XX [ksf]	-0.0921415	4.1435
Total Stress YY [ksf]	-0.0998855	4.1435
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	518.62
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	518.62
Total Strain	-4.59286e-007	0.846083
Pore Water Pressure [ksf]	-0.0006654	1.872
Excess Pore Water Pressure [ksf]	-8.56536e-010	2.40619e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0176	2.08865
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.098046	4.86
Permeability [ft/d]	0	0.231225
Coefficient of Consolidation [ft ² /d]	0	0.07
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0360796

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.5635 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 120 d	1	0
Stage 11 = 150 d	1	0
Stage 12 = 180 d	1	0
Stage 13 = 240 d	1	0
Stage 14 = 270 d	1	0
Stage 15 = 365 d	1	0
Stage 16 = 730 d	1	0
Stage 17 = 1095 d	1	0
Stage 18 = 1825 d	1	0
Stage 19 = 3650 d	1	0
Stage 20 = 7300 d	1	0

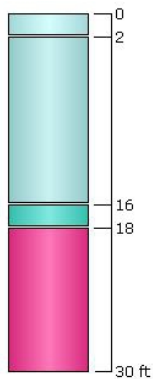
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	Yes
2	Very Soft Clay (CH) 2	14	2	No
3	Very Soft Clay (CH) 3	2	16	Yes
4	Clayey Sand	12	18	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Clayey Sand
Color				
Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
Saturated Unit Weight [kips/ft ³]	0.08	0.105	0.12	0.12
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	Non-Linear	
Cc	2.93	0.5	0.19	-
Cr	0.53	0.11	0.03	-
e0	4.86	1.61	0.87	-
OCR	10	3.1	1.4	-
Cv [ft ² /d]	0.03	0.07	0.07	-
Cvr [ft ² /d]	0.03	0.07	0.07	-
B-bar	1	1	1	-
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 49

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000

	El +4.5 feet						El +2.5 feet			
	Time	Settlement	Net at End of 31 Days	Avg Void Ratio			Time	Settlement	Net at End of 31 Days	Avg Void Ratio
	(days)	(feet)	(feet)				(days)	(feet)	(feet)	
	0						0			
1	15					1	15			
2	30					2	30			
3	31	10.49	0	3.33		3	31	5.251	0	3.27
4	45	10.781	0.291	3.11		4	45	5.446	0.195	3.01
5	75	11.029	0.539	2.94		5	75	5.572	0.321	2.83
6	90	11.239	0.749	2.71		6	90	5.748	0.497	2.56
7	150	11.667	1.177	2.38		7	150	6.021	0.77	2.193
8	180	11.84	1.35	2.25		8	180	6.09	0.839	2.098
9	240	11.974	1.484	2.17		9	240	6.132	0.881	2.04
10	270	12.02	1.53	2.14		10	270	6.144	0.893	2.02
11	365	12.129	1.639	2.07		11	365	6.165	0.914	1.99
12	455	12.202	1.712	2.02		12	455	6.172	0.921	1.98
13	730	12.342	1.852	1.93		13	730	6.173	0.922	1.98
14	1095	12.434	1.944	1.87		14	1095	6.173	0.922	1.98
15	1825	12.504	2.014	1.83		15	1825	6.173	0.922	1.98
16	3650	12.524	2.034	1.81		16	3650	6.173	0.922	1.98
17	7300	12.525	2.035	1.81		17	7300	6.173	0.922	1.98

DRAFT

```

100 'B456 E1 +2.0 PO-169' 1 1
101 1 1 1
102 6.11 0.0001 50 -0.75 0.5 62.4 0
103 0 0 1
104 1 2.68 0.009 0.098 1.75 2.37 0.796 0.43 10
105 06.25 0.00E+00 1.41E+02
106 02.73 1.00E+00 2.45E-01
107 02.46 2.00E+00 9.02E-02
108 02.11 5.00E+00 2.41E-02
109 01.85 1.00E+01 8.88E-03
110 01.50 2.50E+01 2.37E-03
111 01.23 5.00E+01 8.74E-04
112 00.97 1.00E+02 3.22E-04
113 00.71 2.00E+02 1.19E-04
114 00.44 4.00E+02 4.37E-05
115 20
116 1 60 4 1 6.25 1 35
117 10 2.5 60 4 1 6.25 1 35
118 20 2.5 60 4 1 6.25 1 35
119 30 1 60 4 1 6.25 1 35
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

```

 Consolidation and desiccation of soft layers---dredged fill

Problem B456 El +2.0 PO-169

*****Soil data for dredged fill*****

Material Type	Specific Gravity	Ca/Cc	Cr/Cc	Saturation Limit	Disiccation Limit	Max. Crust Depth	Saturation at DL
1	2.680	0.009	0.098	2.370	1.750	0.183	0.430

Material type : 1

I	Void Ratio	Effective Stress	Perm-eability	k/1+e PK	Beta	Dsde	Alpha
1	6.250	0.000E+00	0.141E+03	0.194E+02	0.551E+01	-0.284E+00	-0.553E+01
2	2.730	0.100E+01	0.245E+00	0.657E-01	0.512E+01	-0.528E+00	-0.347E-01
3	2.460	0.200E+01	0.902E-01	0.261E-01	0.934E-01	-0.645E+01	-0.168E+00
4	2.110	0.500E+01	0.241E-01	0.775E-02	0.376E-01	-0.131E+02	-0.102E+00
5	1.850	0.100E+02	0.888E-02	0.312E-02	0.111E-01	-0.328E+02	-0.102E+00
6	1.500	0.250E+02	0.237E-02	0.948E-03	0.439E-02	-0.645E+02	-0.612E-01
7	1.230	0.500E+02	0.874E-03	0.392E-03	0.148E-02	-0.142E+03	-0.555E-01
8	0.970	0.100E+03	0.322E-03	0.163E-03	0.620E-03	-0.288E+03	-0.471E-01
9	0.710	0.200E+03	0.119E-03	0.696E-04	0.251E-03	-0.566E+03	-0.394E-01
10	0.440	0.400E+03	0.437E-04	0.303E-04	0.145E-03	-0.741E+03	-0.225E-01

Summary of lifts and print detail

Time days	Material Type	Fill Height	# Sub-layers	Void ratio	Start Day	Dessic. Month	Print detail
0.	1	1.0	35	6.25	60.	4	1
10.	1	2.5	35	6.25	60.	4	1
20.	1	2.5	35	6.25	60.	4	1
30.	1	1.0	35	6.25	60.	4	1
31.					60.	4	1
45.					60.	4	1
75.					60.	4	1
90.					60.	4	1
150.					60.	4	1
180.					60.	4	1
210.					60.	4	1
240.					60.	4	1
270.					60.	4	1

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365.	60.	4	1
455.	60.	4	1
730.	60.	4	1
1095.	60.	4	1
1825.	60.	4	1
3650.	60.	4	1
7300.	60.	4	1

Summary of monthly rainfall and evaporation potential

Month	Rainfall	Evaporation
1	0.470	0.190
2	0.410	0.280
3	0.440	0.400
4	0.360	0.540
5	0.430	0.600
6	0.460	0.640
7	0.570	0.560
8	0.580	0.530
9	0.420	0.460
10	0.320	0.440
11	0.370	0.290
12	0.410	0.210

*****Calculation data*****

tau	Lower layer Void ratio	Lower layer Permeability	drainage path Length
.868E-04	6.110	0.10000E-03	z = 7.03

Summary of desiccation parameters

Parameter	value
Surface Drainage Efficiency	0.80
maximum evaporation efficiency	0.80

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time to desic. after initial fill	60.00
month of initial desiccation	4
elevation of fixed water table	0.50
elevation of top of incompres. found.	-0.75

=====

*****Initial Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
1.00	1.00	0.14	6.25	6.25	6.25	1
0.97	0.97	0.13	6.25	6.25	4.80	1
0.94	0.94	0.13	6.25	6.25	3.34	1
0.91	0.91	0.13	6.25	6.25	2.67	1
0.89	0.89	0.12	6.25	6.25	2.55	1
0.86	0.86	0.12	6.25	6.25	2.45	1
0.83	0.83	0.11	6.25	6.25	2.40	1
0.80	0.80	0.11	6.25	6.25	2.36	1
0.77	0.77	0.11	6.25	6.25	2.31	1
0.74	0.74	0.10	6.25	6.25	2.26	1
0.71	0.71	0.10	6.25	6.25	2.21	1
0.69	0.69	0.09	6.25	6.25	2.16	1
0.66	0.66	0.09	6.25	6.25	2.11	1
0.63	0.63	0.09	6.25	6.25	2.09	1
0.60	0.60	0.08	6.25	6.25	2.07	1
0.57	0.57	0.08	6.25	6.25	2.05	1
0.54	0.54	0.07	6.25	6.25	2.03	1
0.51	0.51	0.07	6.25	6.25	2.00	1
0.49	0.49	0.07	6.25	6.25	1.98	1
0.46	0.46	0.06	6.25	6.25	1.96	1
0.43	0.43	0.06	6.25	6.25	1.94	1
0.40	0.40	0.06	6.25	6.25	1.92	1
0.37	0.37	0.05	6.25	6.25	1.90	1
0.34	0.34	0.05	6.25	6.25	1.88	1
0.31	0.31	0.04	6.25	6.25	1.85	1
0.29	0.29	0.04	6.25	6.25	1.84	1
0.26	0.26	0.04	6.25	6.25	1.83	1
0.23	0.23	0.03	6.25	6.25	1.82	1
0.20	0.20	0.03	6.25	6.25	1.81	1
0.17	0.17	0.02	6.25	6.25	1.80	1
0.14	0.14	0.02	6.25	6.25	1.79	1
0.11	0.11	0.02	6.25	6.25	1.78	1
0.09	0.09	0.01	6.25	6.25	1.77	1
0.06	0.06	0.01	6.25	6.25	1.77	1
0.03	0.03	0.00	6.25	6.25	1.76	1
0.00	0.00	0.00	6.25	6.25	1.75	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.00	15.60	0.00	15.60	15.60	0.00	1
0.97	17.80	0.00	17.80	17.38	0.41	1
0.94	19.99	0.00	19.99	19.17	0.83	1
0.91	22.19	0.00	22.19	20.95	1.24	1
0.89	24.38	0.00	24.38	22.73	1.65	1
0.86	26.58	0.00	26.58	24.51	2.07	1

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0.83	28.78	0.00	28.78	26.30	2.48	1
0.80	30.97	0.00	30.97	28.08	2.89	1
0.77	33.17	0.00	33.17	29.86	3.31	1
0.74	35.36	0.00	35.36	31.65	3.72	1
0.71	37.56	0.00	37.56	33.43	4.13	1
0.69	39.76	0.00	39.76	35.21	4.54	1
0.66	41.95	0.00	41.95	36.99	4.96	1
0.63	44.15	0.00	44.15	38.78	5.37	1
0.60	46.34	0.00	46.34	40.56	5.78	1
0.57	48.54	0.00	48.54	42.34	6.20	1
0.54	50.74	0.00	50.74	44.13	6.61	1
0.51	52.93	0.00	52.93	45.91	7.02	1
0.49	55.13	0.00	55.13	47.69	7.44	1
0.46	57.32	0.00	57.32	49.47	7.85	1
0.43	59.52	0.00	59.52	51.26	8.26	1
0.40	61.72	0.00	61.72	53.04	8.68	1
0.37	63.91	0.00	63.91	54.82	9.09	1
0.34	66.11	0.00	66.11	56.61	9.50	1
0.31	68.30	0.00	68.30	58.39	9.92	1
0.29	70.50	0.00	70.50	60.17	10.33	1
0.26	72.70	0.00	72.70	61.95	10.74	1
0.23	74.89	0.00	74.89	63.74	11.15	1
0.20	77.09	0.00	77.09	65.52	11.57	1
0.17	79.28	0.00	79.28	67.30	11.98	1
0.14	81.48	0.00	81.48	69.09	12.39	1
0.11	83.68	0.00	83.68	70.87	12.81	1
0.09	85.87	0.00	85.87	72.65	13.22	1
0.06	88.07	0.00	88.07	74.43	13.63	1
0.03	90.26	0.00	90.26	76.22	14.05	1
0.00	92.46	0.00	92.46	78.00	14.46	1

Time = 0. Degree of Consolidation = 0.0%

Total Settlement = 0.000

Settlement at End of Primary Consolidation = 0.558

Settlement caused by Primary Consolidation at time 0. = 0.000

Settlement caused by Secondary Compression at time 0. = 0.000

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
1.00	0.44	0.14	6.25	6.25	6.25	1
0.97	0.42	0.13	6.25	4.89	4.80	1
0.94	0.40	0.13	6.25	3.58	3.34	1
0.91	0.38	0.13	6.25	2.67	2.67	1
0.89	0.37	0.12	6.25	2.55	2.55	1
0.86	0.35	0.12	6.25	2.46	2.45	1
0.83	0.34	0.11	6.25	2.40	2.40	1
0.80	0.33	0.11	6.25	2.36	2.36	1
0.77	0.31	0.11	6.25	2.31	2.31	1
0.74	0.30	0.10	6.25	2.26	2.26	1
0.71	0.29	0.10	6.25	2.21	2.21	1
0.69	0.28	0.09	6.25	2.17	2.16	1

			b420.pso			
0.66	0.26	0.09	6.25	2.14	2.11	1
0.63	0.25	0.09	6.25	2.10	2.09	1
0.60	0.24	0.08	6.25	2.07	2.07	1
0.57	0.23	0.08	6.25	2.05	2.05	1
0.54	0.21	0.07	6.25	2.03	2.03	1
0.51	0.20	0.07	6.25	2.00	2.00	1
0.49	0.19	0.07	6.25	1.98	1.98	1
0.46	0.18	0.06	6.25	1.96	1.96	1
0.43	0.17	0.06	6.25	1.94	1.94	1
0.40	0.16	0.06	6.25	1.92	1.92	1
0.37	0.14	0.05	6.25	1.91	1.90	1
0.34	0.13	0.05	6.25	1.89	1.88	1
0.31	0.12	0.04	6.25	1.88	1.85	1
0.29	0.11	0.04	6.25	1.86	1.84	1
0.26	0.10	0.04	6.25	1.85	1.83	1
0.23	0.09	0.03	6.25	1.84	1.82	1
0.20	0.08	0.03	6.25	1.83	1.81	1
0.17	0.07	0.02	6.25	1.81	1.80	1
0.14	0.05	0.02	6.25	1.80	1.79	1
0.11	0.04	0.02	6.25	1.79	1.78	1
0.09	0.03	0.01	6.25	1.78	1.77	1
0.06	0.02	0.01	6.25	1.77	1.77	1
0.03	0.01	0.00	6.25	1.76	1.76	1
0.00	0.00	0.00	6.25	1.75	1.75	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
0.44	50.27	0.00	50.27	50.27	0.00	1
0.42	52.30	0.39	51.91	51.89	0.03	1
0.40	54.01	0.76	53.25	53.18	0.07	1
0.38	55.41	1.24	54.17	54.17	0.00	1
0.37	56.71	1.65	55.06	55.06	0.00	1
0.35	57.99	1.99	56.00	55.92	0.07	1
0.34	59.24	2.47	56.77	56.77	0.01	1
0.33	60.49	2.89	57.60	57.60	0.00	1
0.31	61.72	3.31	58.42	58.42	0.00	1
0.30	62.94	3.72	59.22	59.22	0.00	1
0.29	64.15	4.11	60.04	60.02	0.02	1
0.28	65.35	4.46	60.89	60.80	0.08	1
0.26	66.54	4.78	61.76	61.58	0.18	1
0.25	67.72	5.14	62.58	62.35	0.24	1
0.24	68.89	5.69	63.20	63.11	0.09	1
0.23	70.06	6.18	63.87	63.86	0.02	1
0.21	71.22	6.61	64.61	64.61	0.00	1
0.20	72.37	7.02	65.35	65.35	0.00	1
0.19	73.52	7.44	66.08	66.08	0.00	1
0.18	74.66	7.85	66.81	66.81	0.00	1
0.17	75.80	8.23	67.58	67.54	0.04	1
0.16	76.94	8.57	68.36	68.26	0.10	1
0.14	78.07	8.90	69.17	68.98	0.19	1
0.13	79.19	9.20	70.00	69.69	0.31	1
0.12	80.32	9.48	70.84	70.40	0.44	1
0.11	81.44	9.74	71.69	71.11	0.58	1
0.10	82.55	10.00	72.55	71.81	0.74	1
0.09	83.66	10.54	73.13	72.51	0.62	1
0.08	84.77	11.06	73.71	73.20	0.50	1
0.07	85.88	11.58	74.30	73.90	0.40	1
0.05	86.98	12.07	74.91	74.59	0.32	1
0.04	88.08	12.55	75.53	75.28	0.25	1
0.03	89.18	13.02	76.16	75.96	0.20	1
0.02	90.28	13.48	76.80	76.64	0.16	1

0.01	91.37	13.92	b420.pso 77.45	77.32	0.13	1
0.00	92.46	14.34	78.12	78.00	0.12	1

Time = 10. Degree of Consolidation = 100.0%

Total Settlement = 0.556

Settlement at End of Primary Consolidation = 0.558

Settlement caused by Primary Consolidation at time 10. = 0.556

Settlement caused by Secondary Compression at time 10. = 0.000

Surface Elevation = -0.31

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
3.50	1.40	0.48	6.25	6.25	6.25	1
3.43	1.35	0.47	6.25	2.72	2.72	1
3.36	1.31	0.46	6.25	2.45	2.45	1
3.29	1.28	0.45	6.25	2.33	2.33	1
3.21	1.25	0.44	6.25	2.22	2.21	1
3.14	1.21	0.43	6.25	2.14	2.10	1
3.07	1.18	0.42	6.25	2.09	2.05	1
3.00	1.15	0.41	6.25	2.04	1.99	1
2.93	1.12	0.40	6.25	2.01	1.94	1
2.86	1.09	0.39	6.25	1.99	1.89	1
2.79	1.07	0.38	6.25	1.97	1.84	1
2.71	1.04	0.37	6.25	1.95	1.82	1
2.64	1.01	0.36	6.25	1.94	1.79	1
2.57	0.98	0.35	6.25	1.93	1.77	1
2.50	0.95	0.34	6.25	1.92	1.75	1
2.43	0.92	0.33	6.25	1.91	1.72	1
2.36	0.89	0.33	6.25	1.90	1.70	1
2.29	0.86	0.32	6.25	1.89	1.67	1
2.21	0.83	0.31	6.25	1.88	1.65	1
2.14	0.81	0.30	6.25	1.88	1.63	1
2.07	0.78	0.29	6.25	1.87	1.60	1
2.00	0.75	0.28	6.25	1.86	1.58	1
1.93	0.72	0.27	6.25	1.85	1.55	1
1.86	0.69	0.26	6.25	1.85	1.53	1
1.79	0.67	0.25	6.25	1.84	1.50	1
1.71	0.64	0.24	6.25	1.83	1.49	1
1.64	0.61	0.23	6.25	1.82	1.48	1
1.57	0.58	0.22	6.25	1.81	1.47	1
1.50	0.55	0.21	6.25	1.80	1.46	1
1.43	0.53	0.20	6.25	1.79	1.45	1
1.36	0.50	0.19	6.25	1.78	1.44	1
1.29	0.47	0.18	6.25	1.77	1.42	1
1.21	0.44	0.17	6.25	1.76	1.41	1
1.14	0.42	0.16	6.25	1.75	1.40	1
1.07	0.39	0.15	6.25	1.74	1.39	1
1.00	0.36	0.14	6.25	1.73	1.38	1
1.00	0.36	0.14	6.25	1.73	1.38	1
0.97	0.35	0.13	6.25	1.72	1.38	1

			b420.pso			
0.94	0.34	0.13	6.25	1.72	1.37	1
0.91	0.33	0.13	6.25	1.71	1.37	1
0.89	0.32	0.12	6.25	1.71	1.36	1
0.86	0.31	0.12	6.25	1.70	1.36	1
0.83	0.30	0.11	6.25	1.70	1.35	1
0.80	0.29	0.11	6.25	1.70	1.35	1
0.77	0.28	0.11	6.25	1.69	1.34	1
0.74	0.27	0.10	6.25	1.69	1.34	1
0.71	0.26	0.10	6.25	1.68	1.33	1
0.69	0.25	0.09	6.25	1.68	1.33	1
0.66	0.24	0.09	6.25	1.67	1.33	1
0.63	0.23	0.09	6.25	1.66	1.32	1
0.60	0.22	0.08	6.25	1.66	1.32	1
0.57	0.20	0.08	6.25	1.65	1.31	1
0.54	0.19	0.07	6.25	1.65	1.31	1
0.51	0.18	0.07	6.25	1.64	1.30	1
0.49	0.17	0.07	6.25	1.64	1.30	1
0.46	0.16	0.06	6.25	1.63	1.29	1
0.43	0.15	0.06	6.25	1.63	1.29	1
0.40	0.14	0.06	6.25	1.62	1.29	1
0.37	0.13	0.05	6.25	1.62	1.28	1
0.34	0.12	0.05	6.25	1.61	1.28	1
0.31	0.11	0.04	6.25	1.60	1.27	1
0.29	0.10	0.04	6.25	1.60	1.27	1
0.26	0.09	0.04	6.25	1.59	1.26	1
0.23	0.08	0.03	6.25	1.59	1.26	1
0.20	0.07	0.03	6.25	1.58	1.25	1
0.17	0.06	0.02	6.25	1.57	1.25	1
0.14	0.05	0.02	6.25	1.57	1.25	1
0.11	0.04	0.02	6.25	1.56	1.24	1
0.09	0.03	0.01	6.25	1.55	1.24	1
0.06	0.02	0.01	6.25	1.55	1.23	1
0.03	0.01	0.00	6.25	1.54	1.23	1
0.00	0.00	0.00	6.25	1.53	1.23	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.40	0.00	0.00	0.00	0.00	0.00	1
1.35	4.16	1.03	3.13	3.13	0.00	1
1.31	7.38	2.07	5.32	5.32	0.00	1
1.28	10.50	3.10	7.40	7.40	0.00	1
1.25	13.55	4.03	9.51	9.41	0.10	1
1.21	16.53	4.71	11.83	11.37	0.46	1
1.18	19.48	5.46	14.02	13.28	0.74	1
1.15	22.40	6.27	16.13	15.17	0.96	1
1.12	25.29	6.86	18.43	17.03	1.40	1
1.09	28.17	7.32	20.84	18.87	1.97	1
1.07	31.03	7.69	23.34	20.71	2.64	1
1.04	33.89	7.99	25.89	22.53	3.37	1
1.01	36.73	8.25	28.48	24.34	4.14	1
0.98	39.57	8.47	31.10	26.14	4.95	1
0.95	42.40	8.67	33.73	27.94	5.79	1
0.92	45.22	8.85	36.37	29.73	6.64	1
0.89	48.04	9.02	39.02	31.52	7.50	1
0.86	50.86	9.18	41.67	33.30	8.37	1
0.83	53.67	9.34	44.33	35.07	9.25	1
0.81	56.47	9.49	46.98	36.85	10.13	1
0.78	59.27	9.64	49.63	38.61	11.02	1
0.75	62.06	9.79	52.27	40.37	11.90	1
0.72	64.85	9.94	54.91	42.13	12.78	1
0.69	67.64	10.20	57.43	43.88	13.55	1

			b420.pso			
0.67	70.42	10.56	59.86	45.63	14.23	1
0.64	73.19	10.92	62.27	47.37	14.90	1
0.61	75.96	11.29	64.67	49.11	15.56	1
0.58	78.72	11.68	67.04	50.84	16.21	1
0.55	81.48	12.08	69.40	52.56	16.84	1
0.53	84.23	12.49	71.75	54.28	17.46	1
0.50	86.98	12.91	74.07	55.99	18.07	1
0.47	89.72	13.35	76.37	57.70	18.67	1
0.44	92.45	13.80	78.66	59.40	19.26	1
0.42	95.18	14.26	80.92	61.10	19.83	1
0.39	97.90	14.73	83.17	62.78	20.38	1
0.36	100.61	15.22	85.39	64.47	20.93	1
0.36	100.61	15.22	85.39	64.47	20.93	1
0.35	101.70	15.41	86.28	65.14	21.15	1
0.34	102.78	15.61	87.17	65.80	21.36	1
0.33	103.86	15.81	88.05	66.47	21.58	1
0.32	104.94	16.01	88.93	67.14	21.79	1
0.31	106.02	16.22	89.80	67.81	22.00	1
0.30	107.10	16.42	90.67	68.47	22.20	1
0.29	108.17	16.63	91.54	69.13	22.41	1
0.28	109.25	16.84	92.41	69.80	22.61	1
0.27	110.32	17.06	93.27	70.46	22.81	1
0.26	111.40	17.27	94.12	71.12	23.01	1
0.25	112.47	17.49	94.98	71.78	23.20	1
0.24	113.54	17.71	95.83	72.43	23.40	1
0.23	114.61	17.93	96.68	73.09	23.59	1
0.22	115.68	18.16	97.52	73.74	23.78	1
0.20	116.74	18.38	98.36	74.40	23.96	1
0.19	117.81	18.61	99.19	75.05	24.14	1
0.18	118.87	18.85	100.02	75.70	24.33	1
0.17	119.93	19.08	100.85	76.35	24.50	1
0.16	121.00	19.32	101.68	77.00	24.68	1
0.15	122.05	19.56	102.50	77.64	24.85	1
0.14	123.11	19.80	103.31	78.29	25.02	1
0.13	124.17	20.05	104.12	78.93	25.19	1
0.12	125.23	20.29	104.93	79.57	25.36	1
0.11	126.28	20.55	105.73	80.22	25.52	1
0.10	127.33	20.80	106.53	80.86	25.68	1
0.09	128.38	21.06	107.33	81.49	25.83	1
0.08	129.43	21.32	108.12	82.13	25.99	1
0.07	130.48	21.58	108.90	82.77	26.14	1
0.06	131.53	21.84	109.69	83.40	26.29	1
0.05	132.57	22.11	110.46	84.03	26.43	1
0.04	133.62	22.38	111.23	84.66	26.57	1
0.03	134.66	22.66	112.00	85.29	26.71	1
0.02	135.70	22.94	112.76	85.92	26.84	1
0.01	136.74	23.22	113.52	86.54	26.97	1
0.00	137.78	23.51	114.27	87.17	27.10	1

Time = 20. Degree of Consolidation = 95.0%

Total Settlement = 2.103

Settlement at End of Primary Consolidation = 2.221

Settlement caused by Primary Consolidation at time 20. = 2.103

Settlement caused by Secondary Compression at time 20. = 0.000

Surface Elevation = 0.65

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
6.00	2.34	0.83	6.25	6.25	6.25	1
5.93	2.29	0.82	6.25	2.72	2.72	1
5.86	2.26	0.81	6.25	2.45	2.45	1
5.79	2.22	0.80	6.25	2.33	2.33	1
5.71	2.19	0.79	6.25	2.23	2.21	1
5.64	2.16	0.78	6.25	2.16	2.10	1
5.57	2.13	0.77	6.25	2.10	2.05	1
5.50	2.10	0.76	6.25	2.07	1.99	1
5.43	2.07	0.75	6.25	2.04	1.94	1
5.36	2.04	0.74	6.25	2.02	1.89	1
5.29	2.01	0.73	6.25	2.00	1.84	1
5.21	1.98	0.72	6.25	1.99	1.82	1
5.14	1.95	0.71	6.25	1.98	1.79	1
5.07	1.92	0.70	6.25	1.97	1.77	1
5.00	1.89	0.69	6.25	1.96	1.75	1
4.93	1.86	0.68	6.25	1.95	1.72	1
4.86	1.83	0.67	6.25	1.95	1.70	1
4.79	1.80	0.66	6.25	1.94	1.67	1
4.71	1.77	0.65	6.25	1.94	1.65	1
4.64	1.74	0.64	6.25	1.93	1.63	1
4.57	1.72	0.63	6.25	1.93	1.60	1
4.50	1.69	0.62	6.25	1.92	1.58	1
4.43	1.66	0.61	6.25	1.92	1.55	1
4.36	1.63	0.60	6.25	1.91	1.53	1
4.29	1.60	0.59	6.25	1.91	1.50	1
4.21	1.57	0.58	6.25	1.90	1.49	1
4.14	1.54	0.57	6.25	1.90	1.48	1
4.07	1.52	0.56	6.25	1.89	1.47	1
4.00	1.49	0.55	6.25	1.89	1.46	1
3.93	1.46	0.54	6.25	1.88	1.45	1
3.86	1.43	0.53	6.25	1.88	1.44	1
3.79	1.40	0.52	6.25	1.87	1.42	1
3.71	1.37	0.51	6.25	1.87	1.41	1
3.64	1.35	0.50	6.25	1.86	1.40	1
3.57	1.32	0.49	6.25	1.86	1.39	1
3.50	1.29	0.48	6.25	1.85	1.38	1
3.50	1.29	0.48	6.25	1.85	1.38	1
3.43	1.26	0.47	6.25	1.85	1.37	1
3.36	1.23	0.46	6.25	1.84	1.36	1
3.29	1.20	0.45	6.25	1.84	1.35	1
3.21	1.18	0.44	6.25	1.83	1.33	1
3.14	1.15	0.43	6.25	1.83	1.32	1
3.07	1.12	0.42	6.25	1.82	1.31	1
3.00	1.09	0.41	6.25	1.81	1.30	1
2.93	1.07	0.40	6.25	1.81	1.29	1
2.86	1.04	0.39	6.25	1.80	1.28	1
2.79	1.01	0.38	6.25	1.79	1.27	1
2.71	0.98	0.37	6.25	1.79	1.26	1
2.64	0.96	0.36	6.25	1.78	1.25	1
2.57	0.93	0.35	6.25	1.77	1.23	1
2.50	0.90	0.34	6.25	1.77	1.23	1
2.43	0.87	0.33	6.25	1.76	1.22	1
2.36	0.85	0.33	6.25	1.75	1.22	1
2.29	0.82	0.32	6.25	1.74	1.21	1
2.21	0.79	0.31	6.25	1.74	1.21	1

b420.pso

2.14	0.77	0.30	6.25	1.73	1.20	1
2.07	0.74	0.29	6.25	1.72	1.19	1
2.00	0.71	0.28	6.25	1.71	1.19	1
1.93	0.69	0.27	6.25	1.70	1.18	1
1.86	0.66	0.26	6.25	1.70	1.18	1
1.79	0.63	0.25	6.25	1.69	1.17	1
1.71	0.61	0.24	6.25	1.68	1.17	1
1.64	0.58	0.23	6.25	1.67	1.16	1
1.57	0.55	0.22	6.25	1.66	1.16	1
1.50	0.53	0.21	6.25	1.65	1.15	1
1.43	0.50	0.20	6.25	1.64	1.15	1
1.36	0.48	0.19	6.25	1.64	1.14	1
1.29	0.45	0.18	6.25	1.63	1.14	1
1.21	0.42	0.17	6.25	1.62	1.13	1
1.14	0.40	0.16	6.25	1.61	1.12	1
1.07	0.37	0.15	6.25	1.60	1.12	1
1.00	0.35	0.14	6.25	1.59	1.11	1
1.00	0.35	0.14	6.25	1.59	1.11	1
0.97	0.34	0.13	6.25	1.58	1.11	1
0.94	0.33	0.13	6.25	1.58	1.11	1
0.91	0.32	0.13	6.25	1.58	1.11	1
0.89	0.31	0.12	6.25	1.57	1.11	1
0.86	0.30	0.12	6.25	1.57	1.10	1
0.83	0.29	0.11	6.25	1.56	1.10	1
0.80	0.28	0.11	6.25	1.56	1.10	1
0.77	0.27	0.11	6.25	1.55	1.10	1
0.74	0.26	0.10	6.25	1.55	1.09	1
0.71	0.25	0.10	6.25	1.55	1.09	1
0.69	0.24	0.09	6.25	1.54	1.09	1
0.66	0.23	0.09	6.25	1.54	1.09	1
0.63	0.22	0.09	6.25	1.53	1.09	1
0.60	0.21	0.08	6.25	1.53	1.08	1
0.57	0.20	0.08	6.25	1.52	1.08	1
0.54	0.19	0.07	6.25	1.52	1.08	1
0.51	0.18	0.07	6.25	1.52	1.08	1
0.49	0.17	0.07	6.25	1.51	1.08	1
0.46	0.16	0.06	6.25	1.51	1.07	1
0.43	0.15	0.06	6.25	1.50	1.07	1
0.40	0.14	0.06	6.25	1.50	1.07	1
0.37	0.13	0.05	6.25	1.49	1.07	1
0.34	0.12	0.05	6.25	1.49	1.06	1
0.31	0.11	0.04	6.25	1.48	1.06	1
0.29	0.10	0.04	6.25	1.48	1.06	1
0.26	0.09	0.04	6.25	1.47	1.06	1
0.23	0.08	0.03	6.25	1.47	1.06	1
0.20	0.07	0.03	6.25	1.46	1.05	1
0.17	0.06	0.02	6.25	1.46	1.05	1
0.14	0.05	0.02	6.25	1.45	1.05	1
0.11	0.04	0.02	6.25	1.45	1.05	1
0.09	0.03	0.01	6.25	1.44	1.05	1
0.06	0.02	0.01	6.25	1.44	1.04	1
0.03	0.01	0.00	6.25	1.43	1.04	1
0.00	0.00	0.00	6.25	1.43	1.04	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.34	0.00	0.00	0.00	0.00	0.00	1
2.29	4.16	1.03	3.13	3.13	0.00	1
2.26	7.38	2.07	5.32	5.32	0.00	1
2.22	10.50	3.10	7.40	7.40	0.00	1
2.19	13.55	3.97	9.57	9.42	0.16	1

2.16	16.54	4.60	b420.pso 11.94	11.38	0.57	1
2.13	19.50	5.12	14.38	13.30	1.08	1
2.10	22.43	5.86	16.57	15.20	1.37	1
2.07	25.34	6.39	18.94	17.07	1.87	1
2.04	28.23	6.79	21.44	18.93	2.50	1
2.01	31.11	7.10	24.01	20.78	3.23	1
1.98	33.98	7.35	26.63	22.62	4.01	1
1.95	36.85	7.56	29.29	24.46	4.84	1
1.92	39.71	7.73	31.98	26.28	5.69	1
1.89	42.57	7.88	34.68	28.11	6.58	1
1.86	45.42	8.02	37.40	29.92	7.48	1
1.83	48.26	8.14	40.13	31.74	8.39	1
1.80	51.11	8.25	42.86	33.55	9.31	1
1.77	53.94	8.36	45.59	35.35	10.24	1
1.74	56.78	8.46	48.33	37.16	11.17	1
1.72	59.61	8.55	51.06	38.96	12.10	1
1.69	62.44	8.65	53.80	40.75	13.04	1
1.66	65.27	8.74	56.53	42.55	13.98	1
1.63	68.09	8.83	59.26	44.34	14.93	1
1.60	70.91	8.92	61.99	46.13	15.87	1
1.57	73.73	9.01	64.72	47.91	16.81	1
1.54	76.55	9.10	67.45	49.69	17.75	1
1.52	79.36	9.19	70.17	51.47	18.70	1
1.49	82.17	9.28	72.89	53.25	19.64	1
1.46	84.98	9.37	75.60	55.02	20.58	1
1.43	87.78	9.47	78.31	56.79	21.52	1
1.40	90.58	9.56	81.02	58.56	22.46	1
1.37	93.38	9.66	83.72	60.33	23.39	1
1.35	96.17	9.77	86.40	62.09	24.32	1
1.32	98.96	9.89	89.08	63.85	25.23	1
1.29	101.75	10.03	91.72	65.60	26.12	1
1.29	101.75	10.03	91.72	65.60	26.12	1
1.26	104.53	10.18	94.35	67.35	27.00	1
1.23	107.31	10.37	96.95	69.10	27.85	1
1.20	110.09	10.58	99.51	70.84	28.66	1
1.18	112.87	10.82	102.05	72.59	29.46	1
1.15	115.64	11.07	104.57	74.32	30.25	1
1.12	118.41	11.32	107.08	76.06	31.02	1
1.09	121.17	11.59	109.58	77.79	31.79	1
1.07	123.93	11.86	112.07	79.52	32.56	1
1.04	126.69	12.13	114.55	81.24	33.31	1
1.01	129.44	12.41	117.02	82.96	34.06	1
0.98	132.19	12.70	119.49	84.68	34.81	1
0.96	134.93	13.00	121.94	86.39	35.55	1
0.93	137.67	13.29	124.38	88.10	36.28	1
0.90	140.41	13.60	126.81	89.80	37.01	1
0.87	143.14	13.91	129.23	91.50	37.73	1
0.85	145.86	14.23	131.64	93.19	38.45	1
0.82	148.59	14.55	134.04	94.88	39.16	1
0.79	151.30	14.87	136.43	96.56	39.87	1
0.77	154.02	15.20	138.81	98.24	40.57	1
0.74	156.72	15.54	141.18	99.92	41.26	1
0.71	159.43	15.88	143.54	101.59	41.96	1
0.69	162.13	16.23	145.89	103.25	42.64	1
0.66	164.82	16.58	148.24	104.91	43.32	1
0.63	167.51	16.94	150.57	106.57	44.00	1
0.61	170.19	17.30	152.88	108.22	44.67	1
0.58	172.87	17.67	155.19	109.86	45.33	1
0.55	175.54	18.05	157.49	111.50	45.99	1
0.53	178.21	18.43	159.78	113.14	46.64	1
0.50	180.87	18.81	162.05	114.77	47.29	1
0.48	183.52	19.21	164.32	116.39	47.93	1
0.45	186.17	19.60	166.57	118.01	48.56	1

			b420.pso			
0.42	188.82	20.01	168.81	119.62	49.19	1
0.40	191.46	20.42	171.04	121.22	49.81	1
0.37	194.09	20.84	173.25	122.82	50.43	1
0.35	196.71	21.26	175.45	124.42	51.04	1
0.35	196.71	21.26	175.45	124.42	51.04	1
0.34	197.76	21.43	176.33	125.05	51.28	1
0.33	198.81	21.60	177.21	125.69	51.52	1
0.32	199.86	21.77	178.08	126.32	51.76	1
0.31	200.90	21.95	178.96	126.95	52.00	1
0.30	201.95	22.12	179.83	127.59	52.24	1
0.29	202.99	22.30	180.69	128.22	52.48	1
0.28	204.04	22.48	181.56	128.85	52.71	1
0.27	205.08	22.66	182.42	129.47	52.95	1
0.26	206.12	22.84	183.28	130.10	53.18	1
0.25	207.16	23.02	184.14	130.73	53.41	1
0.24	208.20	23.20	184.99	131.35	53.64	1
0.23	209.23	23.39	185.85	131.98	53.87	1
0.22	210.27	23.58	186.70	132.60	54.09	1
0.21	211.31	23.76	187.54	133.22	54.32	1
0.20	212.34	23.95	188.39	133.85	54.54	1
0.19	213.37	24.15	189.23	134.47	54.76	1
0.18	214.41	24.34	190.07	135.09	54.98	1
0.17	215.44	24.54	190.90	135.70	55.20	1
0.16	216.47	24.74	191.73	136.32	55.41	1
0.15	217.50	24.94	192.56	136.94	55.62	1
0.14	218.52	25.30	193.23	137.55	55.68	1
0.13	219.55	25.73	193.82	138.16	55.65	1
0.12	220.58	26.17	194.40	138.78	55.63	1
0.11	221.60	26.61	194.99	139.39	55.60	1
0.10	222.62	27.06	195.57	140.00	55.57	1
0.09	223.65	27.50	196.15	140.61	55.54	1
0.08	224.67	27.94	196.72	141.21	55.51	1
0.07	225.69	28.39	197.30	141.82	55.48	1
0.06	226.70	28.84	197.87	142.43	55.44	1
0.05	227.72	29.28	198.44	143.03	55.41	1
0.04	228.74	29.73	199.00	143.63	55.37	1
0.03	229.75	30.18	199.57	144.23	55.34	1
0.02	230.77	30.63	200.13	144.83	55.30	1
0.01	231.78	31.08	200.69	145.43	55.26	1
0.00	232.79	31.54	201.25	146.03	55.22	1

Time = 30. Degree of Consolidation = 92.0%

Total Settlement = 3.660

Settlement at End of Primary Consolidation = 3.986

Settlement caused by Primary Consolidation at time 30. = 3.660

Settlement caused by Secondary Compression at time 30. = 0.000

Surface Elevation = 1.59

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
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DRAFT

7.00	2.78	0.97	b420.pso	6.25	6.25	1
6.97	2.75	0.96		6.25	4.89	1
6.94	2.73	0.96		6.25	3.58	1
6.91	2.71	0.95		6.25	2.67	1
6.89	2.70	0.95		6.25	2.55	1
6.86	2.69	0.95		6.25	2.47	1
6.83	2.67	0.94		6.25	2.44	1
6.80	2.66	0.94		6.25	2.41	1
6.77	2.64	0.93		6.25	2.39	1
6.74	2.63	0.93		6.25	2.37	1
6.71	2.62	0.93		6.25	2.35	1
6.69	2.60	0.92		6.25	2.34	1
6.66	2.59	0.92		6.25	2.33	1
6.63	2.58	0.91		6.25	2.32	1
6.60	2.57	0.91		6.25	2.31	1
6.57	2.55	0.91		6.25	2.30	1
6.54	2.54	0.90		6.25	2.29	1
6.51	2.53	0.90		6.25	2.28	1
6.49	2.51	0.89		6.25	2.27	1
6.46	2.50	0.89		6.25	2.26	1
6.43	2.49	0.89		6.25	2.25	1
6.40	2.48	0.88		6.25	2.25	1
6.37	2.46	0.88		6.25	2.24	1
6.34	2.45	0.87		6.25	2.23	1
6.31	2.44	0.87		6.25	2.22	1
6.29	2.42	0.87		6.25	2.22	1
6.26	2.41	0.86		6.25	2.21	1
6.23	2.40	0.86		6.25	2.20	1
6.20	2.39	0.86		6.25	2.19	1
6.17	2.37	0.85		6.25	2.18	1
6.14	2.36	0.85		6.25	2.18	1
6.11	2.35	0.84		6.25	2.17	1
6.09	2.34	0.84		6.25	2.16	1
6.06	2.32	0.84		6.25	2.15	1
6.03	2.31	0.83		6.25	2.15	1
6.00	2.30	0.83		6.25	2.14	1
6.00	2.30	0.83		6.25	2.14	1
5.93	2.27	0.82		6.25	2.12	1
5.86	2.24	0.81		6.25	2.10	1
5.79	2.21	0.80		6.25	2.08	1
5.71	2.18	0.79		6.25	2.06	1
5.64	2.15	0.78		6.25	2.05	1
5.57	2.12	0.77		6.25	2.03	1
5.50	2.09	0.76		6.25	2.02	1
5.43	2.06	0.75		6.25	2.00	1
5.36	2.03	0.74		6.25	1.99	1
5.29	2.00	0.73		6.25	1.98	1
5.21	1.97	0.72		6.25	1.97	1
5.14	1.94	0.71		6.25	1.96	1
5.07	1.91	0.70		6.25	1.95	1
5.00	1.88	0.69		6.25	1.95	1
4.93	1.85	0.68		6.25	1.94	1
4.86	1.82	0.67		6.25	1.93	1
4.79	1.79	0.66		6.25	1.93	1
4.71	1.77	0.65		6.25	1.92	1
4.64	1.74	0.64		6.25	1.92	1
4.57	1.71	0.63		6.25	1.91	1
4.50	1.68	0.62		6.25	1.91	1
4.43	1.65	0.61		6.25	1.90	1
4.36	1.62	0.60		6.25	1.90	1
4.29	1.59	0.59		6.25	1.89	1
4.21	1.57	0.58		6.25	1.89	1
4.14	1.54	0.57		6.25	1.88	1

			b420.pso			
4.07	1.51	0.56	6.25	1.88	1.31	1
4.00	1.48	0.55	6.25	1.87	1.30	1
3.93	1.45	0.54	6.25	1.87	1.29	1
3.86	1.42	0.53	6.25	1.86	1.28	1
3.79	1.40	0.52	6.25	1.86	1.27	1
3.71	1.37	0.51	6.25	1.85	1.26	1
3.64	1.34	0.50	6.25	1.85	1.25	1
3.57	1.31	0.49	6.25	1.84	1.23	1
3.50	1.28	0.48	6.25	1.84	1.23	1
3.50	1.28	0.48	6.25	1.84	1.23	1
3.43	1.26	0.47	6.25	1.83	1.22	1
3.36	1.23	0.46	6.25	1.83	1.22	1
3.29	1.20	0.45	6.25	1.82	1.21	1
3.21	1.17	0.44	6.25	1.82	1.21	1
3.14	1.14	0.43	6.25	1.81	1.20	1
3.07	1.12	0.42	6.25	1.81	1.19	1
3.00	1.09	0.41	6.25	1.80	1.19	1
2.93	1.06	0.40	6.25	1.79	1.18	1
2.86	1.03	0.39	6.25	1.79	1.18	1
2.79	1.01	0.38	6.25	1.78	1.17	1
2.71	0.98	0.37	6.25	1.77	1.17	1
2.64	0.95	0.36	6.25	1.77	1.16	1
2.57	0.92	0.35	6.25	1.76	1.16	1
2.50	0.90	0.34	6.25	1.75	1.15	1
2.43	0.87	0.33	6.25	1.75	1.15	1
2.36	0.84	0.33	6.25	1.74	1.14	1
2.29	0.82	0.32	6.25	1.73	1.14	1
2.21	0.79	0.31	6.25	1.72	1.13	1
2.14	0.76	0.30	6.25	1.72	1.12	1
2.07	0.74	0.29	6.25	1.71	1.12	1
2.00	0.71	0.28	6.25	1.70	1.11	1
1.93	0.68	0.27	6.25	1.69	1.11	1
1.86	0.66	0.26	6.25	1.68	1.10	1
1.79	0.63	0.25	6.25	1.68	1.10	1
1.71	0.60	0.24	6.25	1.67	1.09	1
1.64	0.58	0.23	6.25	1.66	1.09	1
1.57	0.55	0.22	6.25	1.65	1.08	1
1.50	0.53	0.21	6.25	1.64	1.08	1
1.43	0.50	0.20	6.25	1.63	1.07	1
1.36	0.47	0.19	6.25	1.62	1.07	1
1.29	0.45	0.18	6.25	1.62	1.06	1
1.21	0.42	0.17	6.25	1.61	1.05	1
1.14	0.40	0.16	6.25	1.60	1.05	1
1.07	0.37	0.15	6.25	1.59	1.04	1
1.00	0.35	0.14	6.25	1.58	1.04	1
1.00	0.35	0.14	6.25	1.58	1.04	1
0.97	0.33	0.13	6.25	1.57	1.04	1
0.94	0.32	0.13	6.25	1.57	1.03	1
0.91	0.31	0.13	6.25	1.57	1.03	1
0.89	0.30	0.12	6.25	1.56	1.03	1
0.86	0.29	0.12	6.25	1.56	1.03	1
0.83	0.28	0.11	6.25	1.55	1.03	1
0.80	0.27	0.11	6.25	1.55	1.02	1
0.77	0.26	0.11	6.25	1.54	1.02	1
0.74	0.25	0.10	6.25	1.54	1.02	1
0.71	0.24	0.10	6.25	1.54	1.02	1
0.69	0.23	0.09	6.25	1.53	1.02	1
0.66	0.22	0.09	6.25	1.53	1.01	1
0.63	0.21	0.09	6.25	1.52	1.01	1
0.60	0.20	0.08	6.25	1.52	1.01	1
0.57	0.19	0.08	6.25	1.51	1.01	1
0.54	0.18	0.07	6.25	1.51	1.00	1
0.51	0.17	0.07	6.25	1.51	1.00	1

			b420.pso			
0.49	0.16	0.07	6.25	1.50	1.00	1
0.46	0.16	0.06	6.25	1.50	1.00	1
0.43	0.15	0.06	6.25	1.49	1.00	1
0.40	0.14	0.06	6.25	1.49	0.99	1
0.37	0.13	0.05	6.25	1.48	0.99	1
0.34	0.12	0.05	6.25	1.48	0.99	1
0.31	0.11	0.04	6.25	1.47	0.99	1
0.29	0.10	0.04	6.25	1.47	0.99	1
0.26	0.09	0.04	6.25	1.46	0.98	1
0.23	0.08	0.03	6.25	1.46	0.98	1
0.20	0.07	0.03	6.25	1.46	0.98	1
0.17	0.06	0.02	6.25	1.45	0.98	1
0.14	0.05	0.02	6.25	1.45	0.97	1
0.11	0.04	0.02	6.25	1.44	0.97	1
0.09	0.03	0.01	6.25	1.44	0.97	1
0.06	0.02	0.01	6.25	1.43	0.97	1
0.03	0.01	0.00	6.25	1.43	0.97	1
0.00	0.00	0.00	6.25	1.42	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.78	0.00	0.00	0.00	0.00	0.00	1
2.75	2.03	0.39	1.64	1.62	0.03	1
2.73	3.74	0.76	2.98	2.91	0.07	1
2.71	5.14	1.24	3.90	3.90	0.00	1
2.70	6.44	1.65	4.79	4.79	0.00	1
2.69	7.72	1.96	5.76	5.65	0.11	1
2.67	8.98	2.19	6.79	6.50	0.29	1
2.66	10.24	2.41	7.82	7.34	0.48	1
2.64	11.48	2.61	8.88	8.18	0.70	1
2.63	12.73	2.77	9.96	9.01	0.95	1
2.62	13.97	2.91	11.06	9.84	1.23	1
2.60	15.20	3.03	12.18	10.66	1.52	1
2.59	16.44	3.13	13.30	11.48	1.82	1
2.58	17.67	3.23	14.44	12.30	2.14	1
2.57	18.90	3.32	15.58	13.11	2.47	1
2.55	20.12	3.40	16.72	13.92	2.80	1
2.54	21.34	3.48	17.86	14.73	3.13	1
2.53	22.56	3.55	19.01	15.54	3.47	1
2.51	23.78	3.62	20.16	16.35	3.81	1
2.50	25.00	3.69	21.31	17.15	4.16	1
2.49	26.21	3.76	22.45	17.95	4.50	1
2.48	27.43	3.83	23.60	18.75	4.85	1
2.46	28.64	3.90	24.74	19.55	5.19	1
2.45	29.84	3.96	25.88	20.34	5.54	1
2.44	31.05	4.03	27.02	21.14	5.89	1
2.42	32.26	4.09	28.16	21.93	6.23	1
2.41	33.46	4.16	29.30	22.72	6.58	1
2.40	34.66	4.23	30.43	23.51	6.93	1
2.39	35.86	4.29	31.57	24.29	7.27	1
2.37	37.06	4.36	32.70	25.08	7.62	1
2.36	38.25	4.43	33.82	25.86	7.97	1
2.35	39.44	4.49	34.95	26.64	8.31	1
2.34	40.64	4.56	36.08	27.42	8.66	1
2.32	41.83	4.63	37.20	28.19	9.01	1
2.31	43.01	4.69	38.32	28.97	9.35	1
2.30	44.20	4.76	39.44	29.74	9.70	1
2.30	44.20	4.76	39.44	29.74	9.70	1
2.27	47.16	4.93	42.23	31.66	10.56	1
2.24	50.10	5.22	44.88	33.57	11.31	1
2.21	53.03	5.58	47.45	35.47	11.98	1

2.18	55.95	5.92	b420.pso 50.03	37.36	12.67	1
2.15	58.86	6.24	52.62	39.24	13.38	1
2.12	61.76	6.54	55.22	41.11	14.12	1
2.09	64.65	6.81	57.84	42.96	14.88	1
2.06	67.54	7.06	60.47	44.81	15.66	1
2.03	70.41	7.29	63.12	46.66	16.46	1
2.00	73.28	7.50	65.78	48.49	17.29	1
1.97	76.14	7.68	68.46	50.32	18.14	1
1.94	79.00	7.85	71.15	52.14	19.00	1
1.91	81.85	8.00	73.84	53.96	19.88	1
1.88	84.70	8.14	76.55	55.78	20.78	1
1.85	87.54	8.27	79.27	57.59	21.68	1
1.82	90.38	8.39	81.99	59.39	22.59	1
1.79	93.21	8.50	84.71	61.19	23.52	1
1.77	96.04	8.61	87.44	62.99	24.45	1
1.74	98.87	8.70	90.16	64.79	25.38	1
1.71	101.69	8.80	92.89	66.58	26.31	1
1.68	104.52	8.90	95.62	68.37	27.25	1
1.65	107.34	8.99	98.35	70.15	28.19	1
1.62	110.15	9.08	101.07	71.94	29.14	1
1.59	112.96	9.17	103.80	73.72	30.08	1
1.57	115.77	9.26	106.52	75.49	31.02	1
1.54	118.58	9.35	109.23	77.27	31.96	1
1.51	121.39	9.44	111.95	79.04	32.91	1
1.48	124.19	9.53	114.65	80.81	33.85	1
1.45	126.99	9.62	117.36	82.57	34.79	1
1.42	129.78	9.72	120.06	84.34	35.73	1
1.40	132.57	9.81	122.76	86.10	36.67	1
1.37	135.36	9.91	125.46	87.85	37.60	1
1.34	138.15	10.01	128.14	89.61	38.53	1
1.31	140.93	10.23	130.70	91.36	39.35	1
1.28	143.71	10.45	133.26	93.10	40.16	1
1.28	143.71	10.45	133.26	93.10	40.16	1
1.26	146.49	10.68	135.81	94.85	40.97	1
1.23	149.26	10.90	138.36	96.59	41.77	1
1.20	152.03	11.14	140.89	98.33	42.57	1
1.17	154.80	11.38	143.42	100.06	43.36	1
1.14	157.56	11.63	145.94	101.79	44.15	1
1.12	160.32	11.88	148.44	103.52	44.93	1
1.09	163.08	12.14	150.94	105.24	45.70	1
1.06	165.83	12.40	153.43	106.96	46.47	1
1.03	168.58	12.68	155.90	108.68	47.23	1
1.01	171.32	12.96	158.37	110.39	47.98	1
0.98	174.07	13.24	160.82	112.10	48.73	1
0.95	176.80	13.53	163.27	113.80	49.47	1
0.92	179.53	13.83	165.71	115.50	50.21	1
0.90	182.26	14.13	168.13	117.19	50.94	1
0.87	184.99	14.44	170.55	118.88	51.66	1
0.84	187.70	14.75	172.95	120.57	52.38	1
0.82	190.42	15.07	175.35	122.25	53.10	1
0.79	193.13	15.39	177.74	123.93	53.81	1
0.76	195.83	15.72	180.11	125.60	54.51	1
0.74	198.53	16.05	182.48	127.27	55.21	1
0.71	201.23	16.39	184.84	128.93	55.91	1
0.68	203.92	16.74	187.18	130.59	56.59	1
0.66	206.61	17.09	189.52	132.24	57.28	1
0.63	209.29	17.44	191.85	133.89	57.96	1
0.60	211.96	17.80	194.17	135.53	58.63	1
0.58	214.63	18.16	196.47	137.17	59.30	1
0.55	217.30	18.53	198.77	138.80	59.96	1
0.53	219.96	18.91	201.05	140.43	60.62	1
0.50	222.61	19.29	203.33	142.05	61.27	1
0.47	225.26	19.67	205.59	143.67	61.92	1

			b420.pso			
0.45	227.91	20.07	207.84	145.28	62.56	1
0.42	230.54	20.46	210.08	146.88	63.19	1
0.40	233.18	20.87	212.31	148.48	63.82	1
0.37	235.80	21.28	214.52	150.08	64.44	1
0.35	238.42	21.70	216.72	151.66	65.06	1
0.35	238.42	21.70	216.72	151.66	65.06	1
0.33	239.47	21.87	217.60	152.30	65.30	1
0.32	240.51	22.04	218.48	152.93	65.55	1
0.31	241.56	22.21	219.35	153.56	65.79	1
0.30	242.60	22.38	220.22	154.19	66.03	1
0.29	243.64	22.55	221.09	154.82	66.27	1
0.28	244.68	22.72	221.96	155.45	66.51	1
0.27	245.73	22.90	222.83	156.08	66.75	1
0.26	246.76	23.08	223.69	156.70	66.99	1
0.25	247.80	23.25	224.55	157.33	67.22	1
0.24	248.84	23.43	225.41	157.95	67.45	1
0.23	249.88	23.62	226.26	158.58	67.69	1
0.22	250.91	23.80	227.11	159.20	67.92	1
0.21	251.95	23.98	227.96	159.82	68.14	1
0.20	252.98	24.17	228.81	160.44	68.37	1
0.19	254.01	24.36	229.65	161.06	68.60	1
0.18	255.04	24.55	230.49	161.68	68.82	1
0.17	256.07	24.74	231.33	162.29	69.04	1
0.16	257.10	24.94	232.17	162.91	69.26	1
0.16	258.13	25.28	232.85	163.52	69.32	1
0.15	259.16	25.71	233.45	164.14	69.31	1
0.14	260.18	26.13	234.05	164.75	69.30	1
0.13	261.21	26.56	234.64	165.36	69.28	1
0.12	262.23	26.99	235.24	165.97	69.27	1
0.11	263.25	27.42	235.83	166.58	69.25	1
0.10	264.27	27.85	236.42	167.19	69.23	1
0.09	265.29	28.28	237.01	167.79	69.21	1
0.08	266.31	28.72	237.59	168.40	69.19	1
0.07	267.33	29.15	238.17	169.00	69.17	1
0.06	268.34	29.59	238.76	169.61	69.15	1
0.05	269.36	30.03	239.33	170.21	69.13	1
0.04	270.37	30.46	239.91	170.81	69.10	1
0.03	271.39	30.90	240.48	171.41	69.08	1
0.02	272.40	31.34	241.06	172.01	69.05	1
0.01	273.41	31.78	241.63	172.60	69.02	1
0.00	274.42	32.22	242.19	173.20	68.99	1

Time = 31. Degree of Consolidation = 90.0%

Total Settlement = 4.224

Settlement at End of Primary Consolidation = 4.706

Settlement caused by Primary Consolidation at time 31. = 4.224

Settlement caused by Secondary Compression at time 31. = 0.000

Surface Elevation = 2.03

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	b420.pso Einitial	E	Eeop	Material
7.00	2.64	0.97	6.25	6.25	6.25	1
6.97	2.61	0.96	6.25	4.89	4.80	1
6.94	2.59	0.96	6.25	3.58	3.34	1
6.91	2.58	0.95	6.25	2.67	2.67	1
6.89	2.56	0.95	6.25	2.55	2.55	1
6.86	2.55	0.95	6.25	2.46	2.45	1
6.83	2.54	0.94	6.25	2.40	2.40	1
6.80	2.52	0.94	6.25	2.36	2.36	1
6.77	2.51	0.93	6.25	2.31	2.31	1
6.74	2.50	0.93	6.25	2.26	2.26	1
6.71	2.48	0.93	6.25	2.22	2.21	1
6.69	2.47	0.92	6.25	2.18	2.16	1
6.66	2.46	0.92	6.25	2.15	2.11	1
6.63	2.45	0.91	6.25	2.12	2.09	1
6.60	2.43	0.91	6.25	2.09	2.07	1
6.57	2.42	0.91	6.25	2.07	2.05	1
6.54	2.41	0.90	6.25	2.05	2.03	1
6.51	2.40	0.90	6.25	2.04	2.00	1
6.49	2.39	0.89	6.25	2.02	1.98	1
6.46	2.37	0.89	6.25	2.01	1.96	1
6.43	2.36	0.89	6.25	1.99	1.94	1
6.40	2.35	0.88	6.25	1.98	1.92	1
6.37	2.34	0.88	6.25	1.97	1.90	1
6.34	2.33	0.87	6.25	1.96	1.88	1
6.31	2.32	0.87	6.25	1.96	1.85	1
6.29	2.30	0.87	6.25	1.95	1.84	1
6.26	2.29	0.86	6.25	1.94	1.83	1
6.23	2.28	0.86	6.25	1.93	1.82	1
6.20	2.27	0.86	6.25	1.93	1.81	1
6.17	2.26	0.85	6.25	1.92	1.80	1
6.14	2.25	0.85	6.25	1.92	1.79	1
6.11	2.23	0.84	6.25	1.91	1.78	1
6.09	2.22	0.84	6.25	1.91	1.77	1
6.06	2.21	0.84	6.25	1.90	1.77	1
6.03	2.20	0.83	6.25	1.90	1.76	1
6.00	2.19	0.83	6.25	1.90	1.75	1
6.00	2.19	0.83	6.25	1.90	1.75	1
5.93	2.16	0.82	6.25	1.89	1.72	1
5.86	2.13	0.81	6.25	1.88	1.70	1
5.79	2.10	0.80	6.25	1.87	1.67	1
5.71	2.08	0.79	6.25	1.86	1.65	1
5.64	2.05	0.78	6.25	1.86	1.63	1
5.57	2.02	0.77	6.25	1.85	1.60	1
5.50	1.99	0.76	6.25	1.84	1.58	1
5.43	1.96	0.75	6.25	1.84	1.55	1
5.36	1.94	0.74	6.25	1.83	1.53	1
5.29	1.91	0.73	6.25	1.83	1.50	1
5.21	1.88	0.72	6.25	1.82	1.49	1
5.14	1.85	0.71	6.25	1.82	1.48	1
5.07	1.82	0.70	6.25	1.81	1.47	1
5.00	1.80	0.69	6.25	1.81	1.46	1
4.93	1.77	0.68	6.25	1.80	1.45	1
4.86	1.74	0.67	6.25	1.80	1.44	1
4.79	1.71	0.66	6.25	1.79	1.42	1
4.71	1.69	0.65	6.25	1.79	1.41	1
4.64	1.66	0.64	6.25	1.78	1.40	1
4.57	1.63	0.63	6.25	1.78	1.39	1
4.50	1.60	0.62	6.25	1.77	1.38	1
4.43	1.58	0.61	6.25	1.77	1.37	1
4.36	1.55	0.60	6.25	1.77	1.36	1
4.29	1.52	0.59	6.25	1.76	1.35	1
4.21	1.49	0.58	6.25	1.76	1.33	1

b420.pso

4.14	1.47	0.57	6.25	1.75	1.32	1
4.07	1.44	0.56	6.25	1.75	1.31	1
4.00	1.41	0.55	6.25	1.74	1.30	1
3.93	1.39	0.54	6.25	1.74	1.29	1
3.86	1.36	0.53	6.25	1.73	1.28	1
3.79	1.33	0.52	6.25	1.72	1.27	1
3.71	1.31	0.51	6.25	1.72	1.26	1
3.64	1.28	0.50	6.25	1.71	1.25	1
3.57	1.25	0.49	6.25	1.71	1.23	1
3.50	1.23	0.48	6.25	1.70	1.23	1
3.50	1.23	0.48	6.25	1.70	1.23	1
3.43	1.20	0.47	6.25	1.70	1.22	1
3.36	1.17	0.46	6.25	1.69	1.22	1
3.29	1.15	0.45	6.25	1.69	1.21	1
3.21	1.12	0.44	6.25	1.68	1.21	1
3.14	1.09	0.43	6.25	1.68	1.20	1
3.07	1.07	0.42	6.25	1.67	1.19	1
3.00	1.04	0.41	6.25	1.66	1.19	1
2.93	1.01	0.40	6.25	1.66	1.18	1
2.86	0.99	0.39	6.25	1.65	1.18	1
2.79	0.96	0.38	6.25	1.65	1.17	1
2.71	0.94	0.37	6.25	1.64	1.17	1
2.64	0.91	0.36	6.25	1.63	1.16	1
2.57	0.88	0.35	6.25	1.63	1.16	1
2.50	0.86	0.34	6.25	1.62	1.15	1
2.43	0.83	0.33	6.25	1.61	1.15	1
2.36	0.81	0.33	6.25	1.61	1.14	1
2.29	0.78	0.32	6.25	1.60	1.14	1
2.21	0.76	0.31	6.25	1.59	1.13	1
2.14	0.73	0.30	6.25	1.59	1.12	1
2.07	0.70	0.29	6.25	1.58	1.12	1
2.00	0.68	0.28	6.25	1.57	1.11	1
1.93	0.65	0.27	6.25	1.57	1.11	1
1.86	0.63	0.26	6.25	1.56	1.10	1
1.79	0.60	0.25	6.25	1.55	1.10	1
1.71	0.58	0.24	6.25	1.55	1.09	1
1.64	0.55	0.23	6.25	1.54	1.09	1
1.57	0.53	0.22	6.25	1.53	1.08	1
1.50	0.50	0.21	6.25	1.52	1.08	1
1.43	0.48	0.20	6.25	1.51	1.07	1
1.36	0.45	0.19	6.25	1.51	1.07	1
1.29	0.43	0.18	6.25	1.50	1.06	1
1.21	0.40	0.17	6.25	1.49	1.05	1
1.14	0.38	0.16	6.25	1.48	1.05	1
1.07	0.36	0.15	6.25	1.47	1.04	1
1.00	0.33	0.14	6.25	1.47	1.04	1
1.00	0.33	0.14	6.25	1.47	1.04	1
0.97	0.32	0.13	6.25	1.46	1.04	1
0.94	0.31	0.13	6.25	1.46	1.03	1
0.91	0.30	0.13	6.25	1.45	1.03	1
0.89	0.29	0.12	6.25	1.45	1.03	1
0.86	0.28	0.12	6.25	1.45	1.03	1
0.83	0.27	0.11	6.25	1.44	1.03	1
0.80	0.26	0.11	6.25	1.44	1.02	1
0.77	0.25	0.11	6.25	1.44	1.02	1
0.74	0.24	0.10	6.25	1.43	1.02	1
0.71	0.24	0.10	6.25	1.43	1.02	1
0.69	0.23	0.09	6.25	1.43	1.02	1
0.66	0.22	0.09	6.25	1.42	1.01	1
0.63	0.21	0.09	6.25	1.42	1.01	1
0.60	0.20	0.08	6.25	1.42	1.01	1
0.57	0.19	0.08	6.25	1.41	1.01	1
0.54	0.18	0.07	6.25	1.41	1.00	1

b420.pso						
0.51	0.17	0.07	6.25	1.41	1.00	1
0.49	0.16	0.07	6.25	1.40	1.00	1
0.46	0.15	0.06	6.25	1.40	1.00	1
0.43	0.14	0.06	6.25	1.40	1.00	1
0.40	0.13	0.06	6.25	1.39	0.99	1
0.37	0.12	0.05	6.25	1.39	0.99	1
0.34	0.11	0.05	6.25	1.38	0.99	1
0.31	0.10	0.04	6.25	1.38	0.99	1
0.29	0.09	0.04	6.25	1.38	0.99	1
0.26	0.08	0.04	6.25	1.37	0.98	1
0.23	0.07	0.03	6.25	1.37	0.98	1
0.20	0.06	0.03	6.25	1.37	0.98	1
0.17	0.06	0.02	6.25	1.36	0.98	1
0.14	0.05	0.02	6.25	1.36	0.97	1
0.11	0.04	0.02	6.25	1.36	0.97	1
0.09	0.03	0.01	6.25	1.35	0.97	1
0.06	0.02	0.01	6.25	1.35	0.97	1
0.03	0.01	0.00	6.25	1.34	0.97	1
0.00	0.00	0.00	6.25	1.34	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.64	0.00	0.00	0.00	0.00	0.00	1
2.61	2.03	0.39	1.64	1.62	0.03	1
2.59	3.74	0.76	2.98	2.91	0.07	1
2.58	5.14	1.24	3.90	3.90	0.00	1
2.56	6.44	1.65	4.79	4.79	0.00	1
2.55	7.72	1.99	5.73	5.65	0.07	1
2.54	8.97	2.47	6.50	6.50	0.01	1
2.52	10.22	2.89	7.33	7.33	0.00	1
2.51	11.45	3.31	8.15	8.15	0.00	1
2.50	12.67	3.71	8.96	8.95	0.01	1
2.48	13.88	4.07	9.81	9.75	0.06	1
2.47	15.08	4.38	10.70	10.54	0.16	1
2.46	16.27	4.66	11.61	11.32	0.30	1
2.45	17.46	4.91	12.55	12.09	0.46	1
2.43	18.63	5.29	13.34	12.85	0.49	1
2.42	19.81	5.73	14.08	13.61	0.47	1
2.41	20.97	6.10	14.87	14.36	0.51	1
2.40	22.13	6.43	15.70	15.11	0.59	1
2.39	23.29	6.73	16.56	15.85	0.71	1
2.37	24.45	6.99	17.46	16.60	0.86	1
2.36	25.60	7.22	18.37	17.33	1.04	1
2.35	26.74	7.44	19.31	18.07	1.24	1
2.34	27.89	7.63	20.26	18.80	1.46	1
2.33	29.03	7.80	21.23	19.53	1.70	1
2.32	30.17	7.96	22.21	20.26	1.95	1
2.30	31.31	8.11	23.20	20.98	2.22	1
2.29	32.45	8.25	24.20	21.71	2.49	1
2.28	33.59	8.37	25.21	22.43	2.78	1
2.27	34.72	8.49	26.23	23.15	3.08	1
2.26	35.85	8.60	27.26	23.87	3.38	1
2.25	36.98	8.70	28.29	24.59	3.70	1
2.23	38.11	8.79	29.32	25.31	4.01	1
2.22	39.24	8.88	30.36	26.02	4.34	1
2.21	40.37	8.96	31.41	26.74	4.67	1
2.20	41.50	9.04	32.45	27.45	5.00	1
2.19	42.62	9.12	33.50	28.16	5.34	1
2.19	42.62	9.12	33.50	28.16	5.34	1
2.16	45.43	9.30	36.13	29.94	6.19	1
2.13	48.24	9.47	38.77	31.71	7.06	1

2.10	51.04	9.62	b420.pso 41.42	33.48	7.94	1
2.08	53.83	9.75	44.08	35.24	8.84	1
2.05	56.62	9.88	46.74	37.00	9.74	1
2.02	59.41	10.00	49.41	38.75	10.66	1
1.99	62.19	10.24	51.95	40.50	11.45	1
1.96	64.97	10.48	54.49	42.25	12.24	1
1.94	67.75	10.71	57.04	43.99	13.05	1
1.91	70.52	10.93	59.59	45.73	13.86	1
1.88	73.29	11.15	62.14	47.47	14.67	1
1.85	76.06	11.36	64.70	49.21	15.49	1
1.82	78.82	11.57	67.25	50.94	16.31	1
1.80	81.58	11.78	69.80	52.66	17.14	1
1.77	84.34	11.99	72.35	54.39	17.97	1
1.74	87.10	12.19	74.90	56.11	18.79	1
1.71	89.85	12.40	77.45	57.83	19.62	1
1.69	92.60	12.60	80.00	59.55	20.45	1
1.66	95.34	12.81	82.54	61.26	21.28	1
1.63	98.09	13.01	85.08	62.97	22.10	1
1.60	100.83	13.22	87.61	64.68	22.93	1
1.58	103.56	13.43	90.14	66.38	23.76	1
1.55	106.30	13.63	92.67	68.08	24.58	1
1.52	109.03	13.84	95.19	69.78	25.40	1
1.49	111.76	14.06	97.70	71.48	26.22	1
1.47	114.48	14.27	100.21	73.17	27.04	1
1.44	117.21	14.49	102.72	74.86	27.86	1
1.41	119.93	14.70	105.22	76.55	28.67	1
1.39	122.64	14.92	107.72	78.23	29.49	1
1.36	125.35	15.15	110.21	79.91	30.30	1
1.33	128.06	15.37	112.69	81.59	31.11	1
1.31	130.77	15.60	115.17	83.26	31.91	1
1.28	133.47	15.83	117.65	84.93	32.72	1
1.25	136.17	16.06	120.11	86.60	33.52	1
1.23	138.87	16.29	122.58	88.26	34.32	1
1.23	138.87	16.29	122.58	88.26	34.32	1
1.20	141.56	16.53	125.04	89.92	35.11	1
1.17	144.25	16.76	127.49	91.58	35.91	1
1.15	146.94	17.00	129.94	93.23	36.70	1
1.12	149.62	17.24	132.38	94.88	37.50	1
1.09	152.30	17.49	134.81	96.53	38.28	1
1.07	154.98	17.74	137.24	98.17	39.07	1
1.04	157.65	17.99	139.66	99.81	39.85	1
1.01	160.32	18.24	142.08	101.44	40.63	1
0.99	162.98	18.50	144.48	103.08	41.41	1
0.96	165.64	18.76	146.89	104.71	42.18	1
0.94	168.30	19.02	149.28	106.33	42.95	1
0.91	170.95	19.28	151.67	107.95	43.72	1
0.88	173.60	19.55	154.05	109.57	44.48	1
0.86	176.25	19.82	156.42	111.18	45.24	1
0.83	178.89	20.10	158.79	112.79	46.00	1
0.81	181.53	20.38	161.15	114.40	46.76	1
0.78	184.16	20.66	163.50	116.00	47.51	1
0.76	186.79	20.95	165.85	117.59	48.25	1
0.73	189.42	21.24	168.18	119.19	49.00	1
0.70	192.04	21.53	170.51	120.78	49.74	1
0.68	194.66	21.83	172.83	122.36	50.47	1
0.65	197.27	22.13	175.14	123.94	51.20	1
0.63	199.88	22.43	177.45	125.52	51.93	1
0.60	202.48	22.74	179.74	127.09	52.65	1
0.58	205.08	23.06	182.03	128.66	53.37	1
0.55	207.68	23.38	184.30	130.22	54.08	1
0.53	210.27	23.70	186.57	131.78	54.79	1
0.50	212.86	24.03	188.82	133.33	55.50	1
0.48	215.44	24.37	191.07	134.88	56.19	1

			b420.pso			
0.45	218.01	24.71	193.30	136.42	56.88	1
0.43	220.59	25.13	195.45	137.96	57.49	1
0.40	223.15	25.90	197.26	139.49	57.76	1
0.38	225.71	26.67	199.05	141.02	58.02	1
0.36	228.27	27.44	200.82	142.54	58.28	1
0.33	230.82	28.23	202.59	144.06	58.53	1
0.33	230.82	28.23	202.59	144.06	58.53	1
0.32	231.84	28.54	203.30	144.67	58.63	1
0.31	232.86	28.85	204.00	145.27	58.73	1
0.30	233.87	29.17	204.70	145.88	58.83	1
0.29	234.89	29.49	205.41	146.48	58.92	1
0.28	235.91	29.80	206.10	147.08	59.02	1
0.27	236.92	30.12	206.80	147.68	59.12	1
0.26	237.93	30.44	207.50	148.29	59.21	1
0.25	238.95	30.76	208.19	148.89	59.30	1
0.24	239.96	31.08	208.88	149.48	59.40	1
0.24	240.97	31.40	209.57	150.08	59.49	1
0.23	241.98	31.72	210.26	150.68	59.58	1
0.22	242.99	32.05	210.94	151.28	59.67	1
0.21	244.00	32.37	211.63	151.87	59.76	1
0.20	245.01	32.70	212.31	152.47	59.84	1
0.19	246.02	33.02	212.99	153.06	59.93	1
0.18	247.02	33.35	213.67	153.65	60.02	1
0.17	248.03	33.68	214.35	154.25	60.10	1
0.16	249.03	34.01	215.02	154.84	60.18	1
0.15	250.03	34.34	215.69	155.43	60.27	1
0.14	251.04	34.67	216.37	156.02	60.35	1
0.13	252.04	35.00	217.03	156.61	60.43	1
0.12	253.04	35.34	217.70	157.19	60.51	1
0.11	254.04	35.67	218.37	157.78	60.59	1
0.10	255.04	36.01	219.03	158.37	60.66	1
0.09	256.04	36.34	219.69	158.95	60.74	1
0.08	257.03	36.68	220.35	159.54	60.82	1
0.07	258.03	37.02	221.01	160.12	60.89	1
0.06	259.03	37.36	221.67	160.70	60.96	1
0.06	260.02	37.70	222.32	161.28	61.04	1
0.05	261.02	38.04	222.97	161.86	61.11	1
0.04	262.01	38.39	223.62	162.44	61.18	1
0.03	263.00	38.73	224.27	163.02	61.25	1
0.02	263.99	39.08	224.91	163.60	61.31	1
0.01	264.98	39.42	225.56	164.18	61.38	1
0.00	265.97	39.77	226.20	164.75	61.45	1

Time = 45. Degree of Consolidation = 93.0%

Total Settlement = 4.360

Settlement at End of Primary Consolidation = 4.706

Settlement caused by Primary Consolidation at time 45. = 4.360

Settlement caused by Secondary Compression at time 45. = 0.000

Surface Elevation = 1.89

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

b420.pso

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.51	0.97	6.25	6.25	6.25	1
6.97	2.49	0.96	6.25	4.89	4.80	1
6.94	2.47	0.96	6.25	3.58	3.34	1
6.91	2.45	0.95	6.25	2.67	2.67	1
6.89	2.44	0.95	6.25	2.55	2.55	1
6.86	2.42	0.95	6.25	2.46	2.45	1
6.83	2.41	0.94	6.25	2.40	2.40	1
6.80	2.39	0.94	6.25	2.36	2.36	1
6.77	2.38	0.93	6.25	2.31	2.31	1
6.74	2.37	0.93	6.25	2.26	2.26	1
6.71	2.36	0.93	6.25	2.21	2.21	1
6.69	2.34	0.92	6.25	2.17	2.16	1
6.66	2.33	0.92	6.25	2.14	2.11	1
6.63	2.32	0.91	6.25	2.10	2.09	1
6.60	2.31	0.91	6.25	2.07	2.07	1
6.57	2.29	0.91	6.25	2.05	2.05	1
6.54	2.28	0.90	6.25	2.03	2.03	1
6.51	2.27	0.90	6.25	2.00	2.00	1
6.49	2.26	0.89	6.25	1.99	1.98	1
6.46	2.25	0.89	6.25	1.97	1.96	1
6.43	2.24	0.89	6.25	1.95	1.94	1
6.40	2.22	0.88	6.25	1.94	1.92	1
6.37	2.21	0.88	6.25	1.93	1.90	1
6.34	2.20	0.87	6.25	1.91	1.88	1
6.31	2.19	0.87	6.25	1.90	1.85	1
6.29	2.18	0.87	6.25	1.89	1.84	1
6.26	2.17	0.86	6.25	1.88	1.83	1
6.23	2.16	0.86	6.25	1.87	1.82	1
6.20	2.14	0.86	6.25	1.86	1.81	1
6.17	2.13	0.85	6.25	1.85	1.80	1
6.14	2.12	0.85	6.25	1.84	1.79	1
6.11	2.11	0.84	6.25	1.84	1.78	1
6.09	2.10	0.84	6.25	1.83	1.77	1
6.06	2.09	0.84	6.25	1.82	1.77	1
6.03	2.08	0.83	6.25	1.81	1.76	1
6.00	2.07	0.83	6.25	1.81	1.75	1
6.00	2.07	0.83	6.25	1.81	1.75	1
5.93	2.04	0.82	6.25	1.79	1.72	1
5.86	2.01	0.81	6.25	1.77	1.70	1
5.79	1.98	0.80	6.25	1.76	1.67	1
5.71	1.96	0.79	6.25	1.75	1.65	1
5.64	1.93	0.78	6.25	1.73	1.63	1
5.57	1.90	0.77	6.25	1.72	1.60	1
5.50	1.88	0.76	6.25	1.71	1.58	1
5.43	1.85	0.75	6.25	1.70	1.55	1
5.36	1.82	0.74	6.25	1.69	1.53	1
5.29	1.80	0.73	6.25	1.68	1.50	1
5.21	1.77	0.72	6.25	1.67	1.49	1
5.14	1.74	0.71	6.25	1.66	1.48	1
5.07	1.72	0.70	6.25	1.66	1.47	1
5.00	1.69	0.69	6.25	1.65	1.46	1
4.93	1.66	0.68	6.25	1.64	1.45	1
4.86	1.64	0.67	6.25	1.64	1.44	1
4.79	1.61	0.66	6.25	1.63	1.42	1
4.71	1.59	0.65	6.25	1.62	1.41	1
4.64	1.56	0.64	6.25	1.62	1.40	1
4.57	1.54	0.63	6.25	1.61	1.39	1
4.50	1.51	0.62	6.25	1.61	1.38	1
4.43	1.48	0.61	6.25	1.60	1.37	1
4.36	1.46	0.60	6.25	1.59	1.36	1
4.29	1.43	0.59	6.25	1.59	1.35	1

b420.pso						
4.21	1.41	0.58	6.25	1.58	1.33	1
4.14	1.38	0.57	6.25	1.58	1.32	1
4.07	1.36	0.56	6.25	1.57	1.31	1
4.00	1.33	0.55	6.25	1.57	1.30	1
3.93	1.31	0.54	6.25	1.56	1.29	1
3.86	1.28	0.53	6.25	1.56	1.28	1
3.79	1.26	0.52	6.25	1.55	1.27	1
3.71	1.23	0.51	6.25	1.55	1.26	1
3.64	1.21	0.50	6.25	1.54	1.25	1
3.57	1.18	0.49	6.25	1.54	1.23	1
3.50	1.16	0.48	6.25	1.53	1.23	1
3.50	1.16	0.48	6.25	1.53	1.23	1
3.43	1.13	0.47	6.25	1.53	1.22	1
3.36	1.11	0.46	6.25	1.52	1.22	1
3.29	1.08	0.45	6.25	1.52	1.21	1
3.21	1.06	0.44	6.25	1.51	1.21	1
3.14	1.03	0.43	6.25	1.51	1.20	1
3.07	1.01	0.42	6.25	1.50	1.19	1
3.00	0.98	0.41	6.25	1.50	1.19	1
2.93	0.96	0.40	6.25	1.49	1.18	1
2.86	0.93	0.39	6.25	1.49	1.18	1
2.79	0.91	0.38	6.25	1.48	1.17	1
2.71	0.88	0.37	6.25	1.48	1.17	1
2.64	0.86	0.36	6.25	1.47	1.16	1
2.57	0.84	0.35	6.25	1.46	1.16	1
2.50	0.81	0.34	6.25	1.46	1.15	1
2.43	0.79	0.33	6.25	1.45	1.15	1
2.36	0.76	0.33	6.25	1.45	1.14	1
2.29	0.74	0.32	6.25	1.44	1.14	1
2.21	0.71	0.31	6.25	1.44	1.13	1
2.14	0.69	0.30	6.25	1.43	1.12	1
2.07	0.67	0.29	6.25	1.42	1.12	1
2.00	0.64	0.28	6.25	1.42	1.11	1
1.93	0.62	0.27	6.25	1.41	1.11	1
1.86	0.60	0.26	6.25	1.41	1.10	1
1.79	0.57	0.25	6.25	1.40	1.10	1
1.71	0.55	0.24	6.25	1.39	1.09	1
1.64	0.52	0.23	6.25	1.39	1.09	1
1.57	0.50	0.22	6.25	1.38	1.08	1
1.50	0.48	0.21	6.25	1.38	1.08	1
1.43	0.45	0.20	6.25	1.37	1.07	1
1.36	0.43	0.19	6.25	1.36	1.07	1
1.29	0.41	0.18	6.25	1.36	1.06	1
1.21	0.38	0.17	6.25	1.35	1.05	1
1.14	0.36	0.16	6.25	1.35	1.05	1
1.07	0.34	0.15	6.25	1.34	1.04	1
1.00	0.32	0.14	6.25	1.33	1.04	1
1.00	0.32	0.14	6.25	1.33	1.04	1
0.97	0.31	0.13	6.25	1.33	1.04	1
0.94	0.30	0.13	6.25	1.33	1.03	1
0.91	0.29	0.13	6.25	1.32	1.03	1
0.89	0.28	0.12	6.25	1.32	1.03	1
0.86	0.27	0.12	6.25	1.32	1.03	1
0.83	0.26	0.11	6.25	1.32	1.03	1
0.80	0.25	0.11	6.25	1.31	1.02	1
0.77	0.24	0.11	6.25	1.31	1.02	1
0.74	0.23	0.10	6.25	1.31	1.02	1
0.71	0.22	0.10	6.25	1.31	1.02	1
0.69	0.21	0.09	6.25	1.30	1.02	1
0.66	0.21	0.09	6.25	1.30	1.01	1
0.63	0.20	0.09	6.25	1.30	1.01	1
0.60	0.19	0.08	6.25	1.30	1.01	1
0.57	0.18	0.08	6.25	1.29	1.01	1

			b420.pso			
0.54	0.17	0.07	6.25	1.29	1.00	1
0.51	0.16	0.07	6.25	1.29	1.00	1
0.49	0.15	0.07	6.25	1.28	1.00	1
0.46	0.14	0.06	6.25	1.28	1.00	1
0.43	0.13	0.06	6.25	1.28	1.00	1
0.40	0.12	0.06	6.25	1.28	0.99	1
0.37	0.12	0.05	6.25	1.27	0.99	1
0.34	0.11	0.05	6.25	1.27	0.99	1
0.31	0.10	0.04	6.25	1.27	0.99	1
0.29	0.09	0.04	6.25	1.27	0.99	1
0.26	0.08	0.04	6.25	1.26	0.98	1
0.23	0.07	0.03	6.25	1.26	0.98	1
0.20	0.06	0.03	6.25	1.26	0.98	1
0.17	0.05	0.02	6.25	1.25	0.98	1
0.14	0.04	0.02	6.25	1.25	0.97	1
0.11	0.04	0.02	6.25	1.25	0.97	1
0.09	0.03	0.01	6.25	1.25	0.97	1
0.06	0.02	0.01	6.25	1.24	0.97	1
0.03	0.01	0.00	6.25	1.24	0.97	1
0.00	0.00	0.00	6.25	1.24	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.51	0.00	0.00	0.00	0.00	0.00	1
2.49	2.03	0.39	1.64	1.62	0.03	1
2.47	3.74	0.76	2.98	2.91	0.07	1
2.45	5.14	1.24	3.90	3.90	0.00	1
2.44	6.44	1.65	4.79	4.79	0.00	1
2.42	7.72	1.99	5.73	5.65	0.07	1
2.41	8.97	2.47	6.50	6.50	0.01	1
2.39	10.22	2.89	7.33	7.33	0.00	1
2.38	11.45	3.31	8.15	8.15	0.00	1
2.37	12.67	3.72	8.95	8.95	0.00	1
2.36	13.88	4.11	9.77	9.75	0.02	1
2.34	15.08	4.46	10.62	10.53	0.08	1
2.33	16.27	4.78	11.49	11.31	0.18	1
2.32	17.45	5.14	12.31	12.08	0.24	1
2.31	18.62	5.69	12.93	12.84	0.09	1
2.29	19.79	6.18	13.60	13.59	0.02	1
2.28	20.95	6.61	14.34	14.34	0.00	1
2.27	22.10	7.02	15.08	15.08	0.00	1
2.26	23.25	7.39	15.86	15.81	0.05	1
2.25	24.40	7.72	16.67	16.55	0.13	1
2.24	25.54	8.02	17.51	17.27	0.24	1
2.22	26.67	8.30	18.37	18.00	0.37	1
2.21	27.81	8.56	19.25	18.72	0.53	1
2.20	28.94	8.79	20.15	19.44	0.71	1
2.19	30.07	9.01	21.05	20.15	0.90	1
2.18	31.19	9.22	21.97	20.86	1.11	1
2.17	32.31	9.41	22.90	21.57	1.33	1
2.16	33.44	9.60	23.84	22.28	1.56	1
2.14	34.55	9.77	24.78	22.99	1.80	1
2.13	35.67	9.94	25.73	23.69	2.04	1
2.12	36.78	10.22	26.57	24.39	2.18	1
2.11	37.89	10.56	27.34	25.09	2.25	1
2.10	39.00	10.89	28.12	25.78	2.33	1
2.09	40.11	11.21	28.90	26.48	2.43	1
2.08	41.22	11.52	29.70	27.17	2.53	1
2.07	42.32	11.82	30.51	27.86	2.64	1
2.07	42.32	11.82	30.51	27.86	2.64	1
2.04	45.08	12.56	32.51	29.58	2.93	1

2.01	47.82	13.25	b420.pso 34.57	31.29	3.27	1
1.98	50.55	13.89	36.67	33.00	3.67	1
1.96	53.28	14.48	38.80	34.69	4.11	1
1.93	55.99	15.02	40.97	36.37	4.60	1
1.90	58.70	15.53	43.17	38.05	5.12	1
1.88	61.41	16.01	45.40	39.72	5.68	1
1.85	64.10	16.45	47.65	41.38	6.27	1
1.82	66.79	16.86	49.93	43.04	6.89	1
1.80	69.47	17.25	52.22	44.69	7.53	1
1.77	72.15	17.62	54.53	46.33	8.20	1
1.74	74.83	17.97	56.86	47.97	8.88	1
1.72	77.49	18.30	59.20	49.61	9.59	1
1.69	80.16	18.61	61.55	51.24	10.31	1
1.66	82.82	18.91	63.91	52.87	11.04	1
1.64	85.47	19.20	66.27	54.49	11.79	1
1.61	88.12	19.47	68.65	56.11	12.54	1
1.59	90.77	19.74	71.03	57.72	13.31	1
1.56	93.41	20.00	73.42	59.33	14.09	1
1.54	96.05	20.24	75.81	60.94	14.87	1
1.51	98.69	20.49	78.20	62.54	15.66	1
1.48	101.32	20.72	80.60	64.14	16.46	1
1.46	103.95	20.96	83.00	65.74	17.26	1
1.43	106.58	21.19	85.39	67.33	18.06	1
1.41	109.20	21.41	87.79	68.92	18.87	1
1.38	111.82	21.63	90.19	70.51	19.68	1
1.36	114.44	21.85	92.59	72.09	20.50	1
1.33	117.05	22.07	94.98	73.67	21.31	1
1.31	119.66	22.28	97.38	75.25	22.13	1
1.28	122.27	22.50	99.77	76.82	22.95	1
1.26	124.87	22.71	102.16	78.40	23.76	1
1.23	127.47	22.93	104.55	79.96	24.58	1
1.21	130.07	23.14	106.93	81.53	25.40	1
1.18	132.67	23.36	109.31	83.09	26.22	1
1.16	135.26	23.57	111.69	84.65	27.04	1
1.16	135.26	23.57	111.69	84.65	27.04	1
1.13	137.85	23.79	114.06	86.21	27.85	1
1.11	140.43	24.01	116.43	87.76	28.67	1
1.08	143.01	24.22	118.79	89.31	29.48	1
1.06	145.59	24.45	121.15	90.85	30.29	1
1.03	148.17	24.67	123.50	92.40	31.10	1
1.01	150.74	24.90	125.85	93.94	31.91	1
0.98	153.31	25.27	128.04	95.47	32.57	1
0.96	155.88	25.77	130.11	97.01	33.10	1
0.93	158.44	26.27	132.17	98.54	33.64	1
0.91	161.00	26.77	134.23	100.07	34.16	1
0.88	163.56	27.28	136.28	101.59	34.69	1
0.86	166.11	27.79	138.32	103.11	35.21	1
0.84	168.66	28.30	140.36	104.63	35.73	1
0.81	171.21	28.82	142.39	106.14	36.25	1
0.79	173.75	29.34	144.41	107.65	36.76	1
0.76	176.29	29.86	146.43	109.15	37.27	1
0.74	178.82	30.39	148.44	110.66	37.78	1
0.71	181.36	30.92	150.44	112.16	38.28	1
0.69	183.89	31.45	152.43	113.65	38.78	1
0.67	186.41	31.99	154.42	115.15	39.27	1
0.64	188.93	32.53	156.40	116.63	39.77	1
0.62	191.45	33.07	158.38	118.12	40.26	1
0.60	193.96	33.62	160.34	119.60	40.74	1
0.57	196.48	34.17	162.30	121.08	41.22	1
0.55	198.98	34.73	164.25	122.55	41.70	1
0.52	201.49	35.29	166.20	124.02	42.17	1
0.50	203.99	35.85	168.13	125.49	42.64	1
0.48	206.48	36.42	170.06	126.95	43.11	1

			b420.pso			
0.45	208.97	36.99	171.98	128.41	43.57	1
0.43	211.46	37.56	173.90	129.87	44.03	1
0.41	213.95	38.14	175.80	131.32	44.48	1
0.38	216.43	38.73	177.70	132.77	44.93	1
0.36	218.90	39.31	179.59	134.21	45.38	1
0.34	221.38	39.91	181.47	135.65	45.82	1
0.32	223.84	40.50	183.34	137.09	46.25	1
0.32	223.84	40.50	183.34	137.09	46.25	1
0.31	224.83	40.74	184.09	137.66	46.43	1
0.30	225.82	40.98	184.83	138.23	46.60	1
0.29	226.80	41.22	185.58	138.80	46.77	1
0.28	227.79	41.46	186.32	139.38	46.95	1
0.27	228.77	41.71	187.06	139.95	47.12	1
0.26	229.75	41.95	187.80	140.52	47.29	1
0.25	230.74	42.19	188.54	141.09	47.46	1
0.24	231.72	42.44	189.28	141.66	47.63	1
0.23	232.70	42.68	190.02	142.22	47.79	1
0.22	233.68	42.93	190.75	142.79	47.96	1
0.21	234.66	43.18	191.48	143.36	48.13	1
0.21	235.64	43.42	192.21	143.92	48.29	1
0.20	236.62	43.67	192.94	144.49	48.45	1
0.19	237.60	43.92	193.67	145.05	48.62	1
0.18	238.57	44.17	194.40	145.62	48.78	1
0.17	239.55	44.43	195.12	146.18	48.94	1
0.16	240.53	44.68	195.85	146.74	49.10	1
0.15	241.50	44.93	196.57	147.31	49.26	1
0.14	242.48	45.19	197.29	147.87	49.42	1
0.13	243.45	45.44	198.01	148.43	49.58	1
0.12	244.42	45.70	198.72	148.99	49.73	1
0.12	245.40	45.96	199.44	149.55	49.89	1
0.11	246.37	46.22	200.15	150.11	50.04	1
0.10	247.34	46.48	200.86	150.67	50.19	1
0.09	248.31	46.74	201.57	151.22	50.35	1
0.08	249.28	47.00	202.28	151.78	50.50	1
0.07	250.25	47.27	202.98	152.34	50.65	1
0.06	251.22	47.53	203.69	152.89	50.79	1
0.05	252.18	47.80	204.39	153.45	50.94	1
0.04	253.15	48.06	205.09	154.00	51.09	1
0.04	254.12	48.33	205.79	154.55	51.23	1
0.03	255.08	48.60	206.48	155.11	51.38	1
0.02	256.05	48.87	207.17	155.66	51.52	1
0.01	257.01	49.15	207.87	156.21	51.66	1
0.00	257.98	49.42	208.56	156.76	51.80	1

Time = 75. Degree of Consolidation = 95.0%

Total Settlement = 4.488

Settlement at End of Primary Consolidation = 4.706

Settlement caused by Primary Consolidation at time 75. = 4.488

Settlement caused by Secondary Compression at time 75. = 0.000

Settlement Due to Desiccation = 0.000

Surface Elevation = 1.76

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.43	0.97	6.25	1.75	1.75	1
6.97	2.42	0.96	6.25	1.75	1.75	1
6.94	2.41	0.96	6.25	1.75	1.75	1
6.91	2.40	0.95	6.25	1.75	1.75	1
6.89	2.39	0.95	6.25	1.75	1.75	1
6.86	2.37	0.95	6.25	1.75	1.75	1
6.83	2.36	0.94	6.25	1.75	1.75	1
6.80	2.35	0.94	6.25	1.75	1.75	1
6.77	2.34	0.93	6.25	2.01	2.01	1
6.74	2.33	0.93	6.25	2.26	1.99	1
6.71	2.32	0.93	6.25	2.21	1.97	1
6.69	2.30	0.92	6.25	2.17	1.95	1
6.66	2.29	0.92	6.25	2.14	1.93	1
6.63	2.28	0.91	6.25	2.10	1.90	1
6.60	2.27	0.91	6.25	2.07	1.88	1
6.57	2.25	0.91	6.25	2.05	1.86	1
6.54	2.24	0.90	6.25	2.03	1.85	1
6.51	2.23	0.90	6.25	2.00	1.84	1
6.49	2.22	0.89	6.25	1.98	1.83	1
6.46	2.21	0.89	6.25	1.97	1.82	1
6.43	2.20	0.89	6.25	1.95	1.81	1
6.40	2.18	0.88	6.25	1.93	1.80	1
6.37	2.17	0.88	6.25	1.92	1.79	1
6.34	2.16	0.87	6.25	1.90	1.78	1
6.31	2.15	0.87	6.25	1.89	1.77	1
6.29	2.14	0.87	6.25	1.88	1.76	1
6.26	2.13	0.86	6.25	1.87	1.75	1
6.23	2.12	0.86	6.25	1.86	1.74	1
6.20	2.10	0.86	6.25	1.85	1.73	1
6.17	2.09	0.85	6.25	1.84	1.72	1
6.14	2.08	0.85	6.25	1.83	1.71	1
6.11	2.07	0.84	6.25	1.82	1.70	1
6.09	2.06	0.84	6.25	1.81	1.69	1
6.06	2.05	0.84	6.25	1.80	1.68	1
6.03	2.04	0.83	6.25	1.79	1.67	1
6.00	2.03	0.83	6.25	1.79	1.66	1
6.00	2.03	0.83	6.25	1.79	1.66	1
5.93	2.00	0.82	6.25	1.77	1.64	1
5.86	1.97	0.81	6.25	1.75	1.61	1
5.79	1.95	0.80	6.25	1.73	1.59	1
5.71	1.92	0.79	6.25	1.71	1.57	1
5.64	1.89	0.78	6.25	1.70	1.54	1
5.57	1.87	0.77	6.25	1.69	1.52	1
5.50	1.84	0.76	6.25	1.67	1.50	1
5.43	1.81	0.75	6.25	1.66	1.49	1
5.36	1.79	0.74	6.25	1.65	1.47	1
5.29	1.76	0.73	6.25	1.64	1.46	1
5.21	1.73	0.72	6.25	1.63	1.45	1
5.14	1.71	0.71	6.25	1.62	1.44	1
5.07	1.68	0.70	6.25	1.61	1.43	1
5.00	1.66	0.69	6.25	1.60	1.42	1
4.93	1.63	0.68	6.25	1.59	1.41	1
4.86	1.61	0.67	6.25	1.59	1.40	1
4.79	1.58	0.66	6.25	1.58	1.39	1
4.71	1.56	0.65	6.25	1.57	1.37	1
4.64	1.53	0.64	6.25	1.57	1.36	1
4.57	1.50	0.63	6.25	1.56	1.35	1
4.50	1.48	0.62	6.25	1.55	1.34	1

b420.pso						
4.43	1.45	0.61	6.25	1.55	1.33	1
4.36	1.43	0.60	6.25	1.54	1.32	1
4.29	1.40	0.59	6.25	1.54	1.31	1
4.21	1.38	0.58	6.25	1.53	1.30	1
4.14	1.35	0.57	6.25	1.52	1.28	1
4.07	1.33	0.56	6.25	1.52	1.27	1
4.00	1.30	0.55	6.25	1.51	1.26	1
3.93	1.28	0.54	6.25	1.51	1.25	1
3.86	1.26	0.53	6.25	1.50	1.24	1
3.79	1.23	0.52	6.25	1.50	1.23	1
3.71	1.21	0.51	6.25	1.49	1.22	1
3.64	1.18	0.50	6.25	1.49	1.22	1
3.57	1.16	0.49	6.25	1.48	1.21	1
3.50	1.13	0.48	6.25	1.48	1.21	1
3.50	1.13	0.48	6.25	1.48	1.21	1
3.43	1.11	0.47	6.25	1.47	1.20	1
3.36	1.08	0.46	6.25	1.47	1.20	1
3.29	1.06	0.45	6.25	1.46	1.19	1
3.21	1.04	0.44	6.25	1.46	1.19	1
3.14	1.01	0.43	6.25	1.45	1.18	1
3.07	0.99	0.42	6.25	1.45	1.18	1
3.00	0.96	0.41	6.25	1.44	1.17	1
2.93	0.94	0.40	6.25	1.44	1.17	1
2.86	0.92	0.39	6.25	1.43	1.16	1
2.79	0.89	0.38	6.25	1.43	1.15	1
2.71	0.87	0.37	6.25	1.42	1.15	1
2.64	0.84	0.36	6.25	1.42	1.14	1
2.57	0.82	0.35	6.25	1.41	1.14	1
2.50	0.80	0.34	6.25	1.41	1.13	1
2.43	0.77	0.33	6.25	1.40	1.13	1
2.36	0.75	0.33	6.25	1.40	1.12	1
2.29	0.73	0.32	6.25	1.39	1.12	1
2.21	0.70	0.31	6.25	1.38	1.11	1
2.14	0.68	0.30	6.25	1.38	1.11	1
2.07	0.65	0.29	6.25	1.37	1.10	1
2.00	0.63	0.28	6.25	1.37	1.10	1
1.93	0.61	0.27	6.25	1.36	1.09	1
1.86	0.58	0.26	6.25	1.36	1.08	1
1.79	0.56	0.25	6.25	1.35	1.08	1
1.71	0.54	0.24	6.25	1.35	1.07	1
1.64	0.52	0.23	6.25	1.34	1.07	1
1.57	0.49	0.22	6.25	1.34	1.06	1
1.50	0.47	0.21	6.25	1.33	1.06	1
1.43	0.45	0.20	6.25	1.32	1.05	1
1.36	0.42	0.19	6.25	1.32	1.05	1
1.29	0.40	0.18	6.25	1.31	1.04	1
1.21	0.38	0.17	6.25	1.31	1.04	1
1.14	0.36	0.16	6.25	1.30	1.03	1
1.07	0.33	0.15	6.25	1.30	1.03	1
1.00	0.31	0.14	6.25	1.29	1.02	1
1.00	0.31	0.14	6.25	1.29	1.02	1
0.97	0.30	0.13	6.25	1.29	1.02	1
0.94	0.29	0.13	6.25	1.29	1.02	1
0.91	0.28	0.13	6.25	1.28	1.01	1
0.89	0.27	0.12	6.25	1.28	1.01	1
0.86	0.27	0.12	6.25	1.28	1.01	1
0.83	0.26	0.11	6.25	1.28	1.01	1
0.80	0.25	0.11	6.25	1.27	1.01	1
0.77	0.24	0.11	6.25	1.27	1.00	1
0.74	0.23	0.10	6.25	1.27	1.00	1
0.71	0.22	0.10	6.25	1.27	1.00	1
0.69	0.21	0.09	6.25	1.26	1.00	1
0.66	0.20	0.09	6.25	1.26	0.99	1

b420.pso						
0.63	0.19	0.09	6.25	1.26	0.99	1
0.60	0.18	0.08	6.25	1.26	0.99	1
0.57	0.18	0.08	6.25	1.25	0.99	1
0.54	0.17	0.07	6.25	1.25	0.99	1
0.51	0.16	0.07	6.25	1.25	0.98	1
0.49	0.15	0.07	6.25	1.25	0.98	1
0.46	0.14	0.06	6.25	1.24	0.98	1
0.43	0.13	0.06	6.25	1.24	0.98	1
0.40	0.12	0.06	6.25	1.24	0.98	1
0.37	0.11	0.05	6.25	1.24	0.97	1
0.34	0.10	0.05	6.25	1.23	0.97	1
0.31	0.10	0.04	6.25	1.23	0.97	1
0.29	0.09	0.04	6.25	1.23	0.97	1
0.26	0.08	0.04	6.25	1.23	0.97	1
0.23	0.07	0.03	6.25	1.22	0.97	1
0.20	0.06	0.03	6.25	1.22	0.97	1
0.17	0.05	0.02	6.25	1.22	0.96	1
0.14	0.04	0.02	6.25	1.22	0.96	1
0.11	0.03	0.02	6.25	1.21	0.96	1
0.09	0.03	0.01	6.25	1.21	0.96	1
0.06	0.02	0.01	6.25	1.21	0.96	1
0.03	0.01	0.00	6.25	1.21	0.96	1
0.00	0.00	0.00	6.25	1.20	0.96	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.43	0.00	0.00	0.00	0.00	0.00	1
2.42	0.84	0.84	0.00	0.00	0.00	1
2.41	1.69	1.69	0.00	0.00	0.00	1
2.40	2.53	2.53	0.00	0.00	0.00	1
2.39	3.38	3.38	0.00	0.00	0.00	1
2.37	4.22	4.22	0.00	0.00	0.00	1
2.36	5.06	5.06	0.00	0.00	0.00	1
2.35	5.91	5.91	0.00	0.00	0.00	1
2.34	6.90	6.90	0.00	0.00	0.00	1
2.33	8.10	3.72	4.38	0.78	3.60	1
2.32	9.30	4.11	5.19	1.58	3.62	1
2.30	10.50	4.46	6.04	2.36	3.68	1
2.29	11.69	4.78	6.91	3.14	3.78	1
2.28	12.87	5.14	7.74	3.90	3.83	1
2.27	14.04	5.69	8.35	4.66	3.69	1
2.25	15.21	6.18	9.03	5.42	3.61	1
2.24	16.37	6.61	9.76	6.16	3.60	1
2.23	17.53	7.02	10.50	6.90	3.60	1
2.22	18.67	7.42	11.25	7.64	3.61	1
2.21	19.82	7.78	12.04	8.37	3.66	1
2.20	20.96	8.11	12.85	9.10	3.75	1
2.18	22.10	8.41	13.68	9.82	3.86	1
2.17	23.23	8.69	14.54	10.54	3.99	1
2.16	24.36	8.95	15.41	11.26	4.15	1
2.15	25.48	9.19	16.29	11.97	4.32	1
2.14	26.61	9.42	17.18	12.68	4.50	1
2.13	27.73	9.64	18.09	13.39	4.70	1
2.12	28.84	9.84	19.00	14.09	4.91	1
2.10	29.96	10.08	19.88	14.79	5.09	1
2.09	31.07	10.49	20.58	15.49	5.09	1
2.08	32.18	10.90	21.28	16.19	5.09	1
2.07	33.29	11.29	22.00	16.88	5.12	1
2.06	34.39	11.67	22.73	17.58	5.15	1
2.05	35.50	12.03	23.46	18.27	5.20	1
2.04	36.60	12.39	24.21	18.95	5.26	1

b420.pso

2.03	37.70	12.73	24.97	19.64	5.33	1
2.03	37.70	12.73	24.97	19.64	5.33	1
2.00	40.44	13.59	26.85	21.35	5.50	1
1.97	43.16	14.38	28.78	23.04	5.74	1
1.95	45.88	15.12	30.76	24.73	6.04	1
1.92	48.59	15.80	32.79	26.40	6.39	1
1.89	51.28	16.44	34.85	28.06	6.79	1
1.87	53.97	17.03	36.95	29.72	7.23	1
1.84	56.65	17.58	39.08	31.37	7.71	1
1.81	59.33	18.09	41.24	33.01	8.23	1
1.79	61.99	18.57	43.42	34.64	8.78	1
1.76	64.65	19.02	45.63	36.26	9.36	1
1.73	67.30	19.45	47.85	37.88	9.97	1
1.71	69.95	19.85	50.10	39.50	10.60	1
1.68	72.59	20.23	52.36	41.11	11.25	1
1.66	75.23	20.59	54.64	42.71	11.93	1
1.63	77.86	20.93	56.92	44.31	12.62	1
1.61	80.48	21.26	59.22	45.90	13.32	1
1.58	83.10	21.57	61.53	47.49	14.04	1
1.56	85.72	21.87	63.85	49.07	14.78	1
1.53	88.33	22.16	66.17	50.65	15.52	1
1.50	90.94	22.44	68.50	52.23	16.28	1
1.48	93.55	22.71	70.84	53.80	17.04	1
1.45	96.15	22.97	73.18	55.37	17.81	1
1.43	98.74	23.22	75.52	56.93	18.59	1
1.40	101.34	23.47	77.86	58.49	19.37	1
1.38	103.93	23.72	80.21	60.05	20.16	1
1.35	106.51	23.96	82.56	61.60	20.96	1
1.33	109.10	24.19	84.90	63.15	21.75	1
1.30	111.68	24.42	87.25	64.70	22.55	1
1.28	114.25	24.65	89.60	66.24	23.35	1
1.26	116.83	24.88	91.94	67.78	24.16	1
1.23	119.40	25.24	94.16	69.32	24.84	1
1.21	121.96	25.73	96.24	70.85	25.38	1
1.18	124.53	26.21	98.32	72.38	25.93	1
1.16	127.09	26.68	100.40	73.91	26.49	1
1.13	129.64	27.16	102.48	75.44	27.05	1
1.13	129.64	27.16	102.48	75.44	27.05	1
1.11	132.20	27.63	104.56	76.96	27.61	1
1.08	134.75	28.10	106.64	78.48	28.17	1
1.06	137.29	28.57	108.72	79.99	28.73	1
1.04	139.84	29.04	110.80	81.50	29.30	1
1.01	142.38	29.51	112.87	83.01	29.86	1
0.99	144.92	29.98	114.94	84.52	30.43	1
0.96	147.45	30.45	117.01	86.02	30.99	1
0.94	149.99	30.91	119.07	87.52	31.56	1
0.92	152.51	31.38	121.13	89.01	32.12	1
0.89	155.04	31.85	123.19	90.51	32.68	1
0.87	157.56	32.32	125.24	92.00	33.24	1
0.84	160.08	32.80	127.29	93.48	33.80	1
0.82	162.60	33.27	129.33	94.97	34.36	1
0.80	165.11	33.75	131.37	96.45	34.92	1
0.77	167.62	34.22	133.40	97.92	35.47	1
0.75	170.13	34.70	135.42	99.40	36.03	1
0.73	172.63	35.19	137.45	100.87	36.58	1
0.70	175.13	35.67	139.46	102.34	37.12	1
0.68	177.63	36.16	141.47	103.80	37.67	1
0.65	180.13	36.65	143.47	105.26	38.21	1
0.63	182.62	37.15	145.47	106.72	38.75	1
0.61	185.10	37.64	147.46	108.18	39.29	1
0.58	187.59	38.14	149.45	109.63	39.82	1
0.56	190.07	38.64	151.42	111.07	40.35	1
0.54	192.55	39.15	153.40	112.52	40.88	1

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0.52	195.02	39.66	155.36	113.96	41.40	1
0.49	197.49	40.17	157.32	115.40	41.92	1
0.47	199.96	40.69	159.27	116.83	42.44	1
0.45	202.42	41.21	161.22	118.26	42.95	1
0.42	204.88	41.73	163.15	119.69	43.46	1
0.40	207.34	42.25	165.09	121.12	43.97	1
0.38	209.79	42.78	167.01	122.54	44.47	1
0.36	212.24	43.32	168.93	123.95	44.97	1
0.33	214.69	43.85	170.83	125.37	45.47	1
0.31	217.13	44.40	172.74	126.78	45.96	1
0.31	217.13	44.40	172.74	126.78	45.96	1
0.30	218.11	44.61	173.50	127.34	46.16	1
0.29	219.08	44.83	174.25	127.90	46.35	1
0.28	220.06	45.05	175.01	128.46	46.55	1
0.27	221.03	45.27	175.77	129.03	46.74	1
0.27	222.01	45.49	176.52	129.59	46.93	1
0.26	222.98	45.71	177.27	130.15	47.13	1
0.25	223.95	45.93	178.03	130.71	47.32	1
0.24	224.92	46.15	178.78	131.26	47.51	1
0.23	225.90	46.37	179.53	131.82	47.70	1
0.22	226.87	46.59	180.27	132.38	47.89	1
0.21	227.84	46.82	181.02	132.94	48.08	1
0.20	228.81	47.04	181.77	133.49	48.27	1
0.19	229.78	47.27	182.51	134.05	48.46	1
0.18	230.74	47.49	183.25	134.61	48.65	1
0.18	231.71	47.72	183.99	135.16	48.83	1
0.17	232.68	47.95	184.73	135.71	49.02	1
0.16	233.65	48.18	185.47	136.27	49.20	1
0.15	234.61	48.40	186.21	136.82	49.39	1
0.14	235.58	48.63	186.94	137.37	49.57	1
0.13	236.54	48.87	187.68	137.92	49.75	1
0.12	237.51	49.10	188.41	138.48	49.93	1
0.11	238.47	49.33	189.14	139.03	50.11	1
0.10	239.43	49.56	189.87	139.58	50.29	1
0.10	240.40	49.80	190.60	140.13	50.47	1
0.09	241.36	50.07	191.29	140.67	50.62	1
0.08	242.32	50.56	191.76	141.22	50.54	1
0.07	243.28	51.05	192.23	141.77	50.46	1
0.06	244.24	51.55	192.69	142.32	50.38	1
0.05	245.20	52.04	193.16	142.86	50.29	1
0.04	246.16	52.54	193.62	143.41	50.21	1
0.03	247.11	53.04	194.07	143.95	50.12	1
0.03	248.07	53.54	194.53	144.50	50.03	1
0.02	249.03	54.05	194.98	145.04	49.94	1
0.01	249.98	54.56	195.43	145.58	49.85	1
0.00	250.94	55.06	195.88	146.13	49.75	1

Time = 90. Degree of Consolidation = 95.0%

Total Settlement = 4.571

Settlement at End of Primary Consolidation = 4.787

Settlement caused by Primary Consolidation at time 90. = 4.528

Settlement caused by Secondary Compression at time 90. = 0.000

Settlement Due to Desiccation = 0.043

Surface Elevation = 1.68

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.30	0.97	6.25	1.75	1.75	1
6.97	2.29	0.96	6.25	1.75	1.75	1
6.94	2.27	0.96	6.25	1.75	1.75	1
6.91	2.26	0.95	6.25	1.75	1.75	1
6.89	2.25	0.95	6.25	1.75	1.75	1
6.86	2.24	0.95	6.25	1.75	1.75	1
6.83	2.23	0.94	6.25	1.75	1.75	1
6.80	2.22	0.94	6.25	1.75	1.75	1
6.77	2.21	0.93	6.25	1.75	1.75	1
6.74	2.20	0.93	6.25	1.75	1.75	1
6.71	2.19	0.93	6.25	1.75	1.75	1
6.69	2.18	0.92	6.25	1.75	1.75	1
6.66	2.17	0.92	6.25	1.75	1.75	1
6.63	2.16	0.91	6.25	1.75	1.75	1
6.60	2.14	0.91	6.25	1.75	1.75	1
6.57	2.13	0.91	6.25	1.75	1.75	1
6.54	2.12	0.90	6.25	1.75	1.75	1
6.51	2.11	0.90	6.25	1.75	1.75	1
6.49	2.10	0.89	6.25	1.76	1.74	1
6.46	2.09	0.89	6.25	1.75	1.73	1
6.43	2.08	0.89	6.25	1.74	1.72	1
6.40	2.07	0.88	6.25	1.73	1.71	1
6.37	2.06	0.88	6.25	1.72	1.70	1
6.34	2.05	0.87	6.25	1.71	1.69	1
6.31	2.04	0.87	6.25	1.70	1.68	1
6.29	2.03	0.87	6.25	1.69	1.67	1
6.26	2.02	0.86	6.25	1.68	1.66	1
6.23	2.01	0.86	6.25	1.68	1.65	1
6.20	1.99	0.86	6.25	1.67	1.64	1
6.17	1.98	0.85	6.25	1.66	1.63	1
6.14	1.97	0.85	6.25	1.65	1.62	1
6.11	1.96	0.84	6.25	1.65	1.61	1
6.09	1.95	0.84	6.25	1.64	1.60	1
6.06	1.94	0.84	6.25	1.63	1.59	1
6.03	1.93	0.83	6.25	1.62	1.58	1
6.00	1.92	0.83	6.25	1.62	1.57	1
6.00	1.92	0.83	6.25	1.62	1.57	1
5.93	1.90	0.82	6.25	1.60	1.55	1
5.86	1.87	0.81	6.25	1.59	1.52	1
5.79	1.85	0.80	6.25	1.57	1.50	1
5.71	1.82	0.79	6.25	1.56	1.49	1
5.64	1.79	0.78	6.25	1.55	1.48	1
5.57	1.77	0.77	6.25	1.53	1.47	1
5.50	1.74	0.76	6.25	1.52	1.46	1
5.43	1.72	0.75	6.25	1.51	1.44	1
5.36	1.70	0.74	6.25	1.50	1.43	1
5.29	1.67	0.73	6.25	1.49	1.42	1
5.21	1.65	0.72	6.25	1.48	1.41	1
5.14	1.62	0.71	6.25	1.47	1.40	1
5.07	1.60	0.70	6.25	1.46	1.39	1
5.00	1.57	0.69	6.25	1.46	1.38	1
4.93	1.55	0.68	6.25	1.45	1.37	1
4.86	1.53	0.67	6.25	1.44	1.35	1
4.79	1.50	0.66	6.25	1.43	1.34	1
4.71	1.48	0.65	6.25	1.43	1.33	1

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4.64	1.45	0.64	6.25	1.42	1.32	1
4.57	1.43	0.63	6.25	1.42	1.31	1
4.50	1.41	0.62	6.25	1.41	1.30	1
4.43	1.38	0.61	6.25	1.40	1.29	1
4.36	1.36	0.60	6.25	1.40	1.28	1
4.29	1.33	0.59	6.25	1.39	1.27	1
4.21	1.31	0.58	6.25	1.39	1.25	1
4.14	1.29	0.57	6.25	1.38	1.24	1
4.07	1.26	0.56	6.25	1.38	1.23	1
4.00	1.24	0.55	6.25	1.37	1.23	1
3.93	1.22	0.54	6.25	1.37	1.22	1
3.86	1.19	0.53	6.25	1.36	1.21	1
3.79	1.17	0.52	6.25	1.36	1.21	1
3.71	1.15	0.51	6.25	1.35	1.20	1
3.64	1.12	0.50	6.25	1.35	1.20	1
3.57	1.10	0.49	6.25	1.34	1.19	1
3.50	1.08	0.48	6.25	1.34	1.19	1
3.50	1.08	0.48	6.25	1.34	1.19	1
3.43	1.06	0.47	6.25	1.34	1.18	1
3.36	1.03	0.46	6.25	1.33	1.18	1
3.29	1.01	0.45	6.25	1.33	1.17	1
3.21	0.99	0.44	6.25	1.32	1.17	1
3.14	0.96	0.43	6.25	1.32	1.16	1
3.07	0.94	0.42	6.25	1.31	1.16	1
3.00	0.92	0.41	6.25	1.31	1.15	1
2.93	0.90	0.40	6.25	1.31	1.15	1
2.86	0.87	0.39	6.25	1.30	1.14	1
2.79	0.85	0.38	6.25	1.30	1.13	1
2.71	0.83	0.37	6.25	1.29	1.13	1
2.64	0.80	0.36	6.25	1.29	1.12	1
2.57	0.78	0.35	6.25	1.28	1.12	1
2.50	0.76	0.34	6.25	1.28	1.11	1
2.43	0.74	0.33	6.25	1.28	1.11	1
2.36	0.71	0.33	6.25	1.27	1.10	1
2.29	0.69	0.32	6.25	1.27	1.10	1
2.21	0.67	0.31	6.25	1.26	1.09	1
2.14	0.65	0.30	6.25	1.26	1.09	1
2.07	0.63	0.29	6.25	1.26	1.08	1
2.00	0.60	0.28	6.25	1.25	1.08	1
1.93	0.58	0.27	6.25	1.25	1.07	1
1.86	0.56	0.26	6.25	1.24	1.06	1
1.79	0.54	0.25	6.25	1.24	1.06	1
1.71	0.52	0.24	6.25	1.23	1.05	1
1.64	0.49	0.23	6.25	1.23	1.05	1
1.57	0.47	0.22	6.25	1.22	1.04	1
1.50	0.45	0.21	6.25	1.22	1.04	1
1.43	0.43	0.20	6.25	1.22	1.03	1
1.36	0.41	0.19	6.25	1.21	1.03	1
1.29	0.38	0.18	6.25	1.21	1.02	1
1.21	0.36	0.17	6.25	1.20	1.02	1
1.14	0.34	0.16	6.25	1.20	1.01	1
1.07	0.32	0.15	6.25	1.19	1.01	1
1.00	0.30	0.14	6.25	1.19	1.00	1
1.00	0.30	0.14	6.25	1.19	1.00	1
0.97	0.29	0.13	6.25	1.19	1.00	1
0.94	0.28	0.13	6.25	1.18	1.00	1
0.91	0.27	0.13	6.25	1.18	0.99	1
0.89	0.26	0.12	6.25	1.18	0.99	1
0.86	0.25	0.12	6.25	1.18	0.99	1
0.83	0.25	0.11	6.25	1.18	0.99	1
0.80	0.24	0.11	6.25	1.18	0.99	1
0.77	0.23	0.11	6.25	1.17	0.98	1
0.74	0.22	0.10	6.25	1.17	0.98	1

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0.71	0.21	0.10	6.25	1.17	0.98	1
0.69	0.20	0.09	6.25	1.17	0.98	1
0.66	0.19	0.09	6.25	1.17	0.97	1
0.63	0.19	0.09	6.25	1.16	0.97	1
0.60	0.18	0.08	6.25	1.16	0.97	1
0.57	0.17	0.08	6.25	1.16	0.97	1
0.54	0.16	0.07	6.25	1.16	0.97	1
0.51	0.15	0.07	6.25	1.16	0.97	1
0.49	0.14	0.07	6.25	1.15	0.97	1
0.46	0.13	0.06	6.25	1.15	0.96	1
0.43	0.13	0.06	6.25	1.15	0.96	1
0.40	0.12	0.06	6.25	1.15	0.96	1
0.37	0.11	0.05	6.25	1.15	0.96	1
0.34	0.10	0.05	6.25	1.14	0.96	1
0.31	0.09	0.04	6.25	1.14	0.96	1
0.29	0.08	0.04	6.25	1.14	0.96	1
0.26	0.08	0.04	6.25	1.14	0.96	1
0.23	0.07	0.03	6.25	1.14	0.96	1
0.20	0.06	0.03	6.25	1.13	0.95	1
0.17	0.05	0.02	6.25	1.13	0.95	1
0.14	0.04	0.02	6.25	1.13	0.95	1
0.11	0.03	0.02	6.25	1.13	0.95	1
0.09	0.03	0.01	6.25	1.13	0.95	1
0.06	0.02	0.01	6.25	1.12	0.95	1
0.03	0.01	0.00	6.25	1.12	0.95	1
0.00	0.00	0.00	6.25	1.12	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.30	0.00	0.00	0.00	0.00	0.00	1
2.29	0.84	0.84	0.00	0.00	0.00	1
2.27	1.69	1.69	0.00	0.00	0.00	1
2.26	2.53	2.53	0.00	0.00	0.00	1
2.25	3.38	3.38	0.00	0.00	0.00	1
2.24	4.22	4.22	0.00	0.00	0.00	1
2.23	5.06	5.06	0.00	0.00	0.00	1
2.22	5.91	5.91	0.00	0.00	0.00	1
2.21	6.75	6.75	0.00	0.00	0.00	1
2.20	7.60	7.60	0.00	0.00	0.00	1
2.19	8.44	8.44	0.00	0.00	0.00	1
2.18	9.28	9.28	0.00	0.00	0.00	1
2.17	10.13	10.13	0.00	0.00	0.00	1
2.16	10.97	10.97	0.00	0.00	0.00	1
2.14	11.82	11.82	0.00	0.00	0.00	1
2.13	12.66	12.66	0.00	0.00	0.00	1
2.12	13.51	13.51	0.00	0.00	0.00	1
2.11	14.47	14.47	0.00	0.00	0.00	1
2.10	15.56	14.05	1.51	0.68	0.84	1
2.09	16.65	14.46	2.19	1.35	0.84	1
2.08	17.74	14.88	2.86	2.03	0.84	1
2.07	18.83	15.28	3.54	2.70	0.84	1
2.06	19.91	15.68	4.23	3.37	0.86	1
2.05	20.99	16.06	4.92	4.04	0.89	1
2.04	22.07	16.44	5.63	4.70	0.93	1
2.03	23.14	16.80	6.34	5.36	0.98	1
2.02	24.22	17.16	7.06	6.02	1.04	1
2.01	25.29	17.50	7.79	6.68	1.11	1
1.99	26.36	17.83	8.52	7.34	1.18	1
1.98	27.43	18.16	9.27	8.00	1.27	1
1.97	28.49	18.48	10.02	8.65	1.37	1
1.96	29.56	18.79	10.77	9.30	1.47	1

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1.95	30.62	19.09	11.53	9.95	1.58	1
1.94	31.68	19.38	12.30	10.60	1.71	1
1.93	32.74	19.66	13.08	11.24	1.83	1
1.92	33.80	19.94	13.86	11.89	1.97	1
1.92	33.80	19.94	13.86	11.89	1.97	1
1.90	36.44	20.63	15.80	13.49	2.31	1
1.87	39.06	21.29	17.78	15.09	2.69	1
1.85	41.68	21.90	19.78	16.67	3.11	1
1.82	44.29	22.48	21.81	18.25	3.56	1
1.79	46.89	23.03	23.86	19.82	4.05	1
1.77	49.49	23.55	25.94	21.38	4.56	1
1.74	52.07	24.04	28.03	22.93	5.10	1
1.72	54.65	24.51	30.14	24.48	5.66	1
1.70	57.23	24.96	32.27	26.02	6.25	1
1.67	59.80	25.83	33.97	27.56	6.41	1
1.65	62.36	26.70	35.66	29.09	6.58	1
1.62	64.91	27.52	37.40	30.61	6.79	1
1.60	67.46	28.30	39.17	32.13	7.04	1
1.57	70.01	29.04	40.97	33.64	7.33	1
1.55	72.55	29.74	42.81	35.15	7.66	1
1.53	75.09	30.42	44.67	36.65	8.02	1
1.50	77.62	31.06	46.56	38.15	8.41	1
1.48	80.14	31.68	48.47	39.64	8.82	1
1.45	82.67	32.27	50.39	41.13	9.26	1
1.43	85.19	32.85	52.34	42.62	9.72	1
1.41	87.70	33.40	54.30	44.10	10.20	1
1.38	90.22	33.93	56.28	45.58	10.70	1
1.36	92.72	34.45	58.27	47.06	11.21	1
1.33	95.23	34.96	60.27	48.53	11.74	1
1.31	97.73	35.45	62.28	50.00	12.28	1
1.29	100.23	35.93	64.30	51.47	12.84	1
1.26	102.73	36.39	66.33	52.93	13.40	1
1.24	105.22	36.85	68.37	54.39	13.98	1
1.22	107.71	37.30	70.41	55.85	14.56	1
1.19	110.19	37.74	72.46	57.30	15.16	1
1.17	112.68	38.17	74.51	58.75	15.76	1
1.15	115.16	38.59	76.57	60.20	16.37	1
1.12	117.64	39.01	78.62	61.64	16.98	1
1.10	120.11	39.43	80.69	63.09	17.60	1
1.08	122.59	39.84	82.75	64.53	18.22	1
1.08	122.59	39.84	82.75	64.53	18.22	1
1.06	125.06	40.24	84.81	65.96	18.85	1
1.03	127.52	40.65	86.87	67.40	19.48	1
1.01	129.99	41.05	88.94	68.83	20.11	1
0.99	132.45	41.45	91.00	70.26	20.74	1
0.96	134.91	41.84	93.07	71.69	21.38	1
0.94	137.37	42.24	95.13	73.11	22.02	1
0.92	139.82	42.63	97.19	74.53	22.66	1
0.90	142.27	43.02	99.25	75.95	23.30	1
0.87	144.72	43.41	101.31	77.37	23.95	1
0.85	147.17	43.79	103.37	78.78	24.59	1
0.83	149.61	44.18	105.43	80.19	25.24	1
0.80	152.05	44.57	107.49	81.60	25.89	1
0.78	154.49	44.95	109.54	83.00	26.53	1
0.76	156.93	45.34	111.59	84.41	27.18	1
0.74	159.36	45.72	113.63	85.81	27.83	1
0.71	161.79	46.11	115.68	87.21	28.47	1
0.69	164.22	46.50	117.72	88.60	29.12	1
0.67	166.64	46.89	119.75	89.99	29.76	1
0.65	169.07	47.28	121.79	91.38	30.40	1
0.63	171.49	47.67	123.82	92.77	31.04	1
0.60	173.91	48.06	125.84	94.16	31.68	1
0.58	176.32	48.46	127.86	95.54	32.32	1

			b420.pso			
0.56	178.73	48.86	129.88	96.92	32.96	1
0.54	181.14	49.26	131.89	98.30	33.59	1
0.52	183.55	49.66	133.89	99.67	34.22	1
0.49	185.96	50.13	135.82	101.04	34.78	1
0.47	188.36	50.98	137.38	102.41	34.97	1
0.45	190.76	51.83	138.92	103.78	35.14	1
0.43	193.15	52.69	140.46	105.14	35.32	1
0.41	195.55	53.56	141.99	106.50	35.48	1
0.38	197.94	54.43	143.50	107.86	35.64	1
0.36	200.33	55.31	145.01	109.22	35.79	1
0.34	202.71	56.20	146.51	110.57	35.94	1
0.32	205.09	57.09	148.00	111.92	36.08	1
0.30	207.47	57.99	149.48	113.27	36.22	1
0.30	207.47	57.99	149.48	113.27	36.22	1
0.29	208.42	58.35	150.07	113.80	36.27	1
0.28	209.38	58.71	150.66	114.34	36.32	1
0.27	210.33	59.07	151.25	114.88	36.37	1
0.26	211.28	59.44	151.84	115.41	36.42	1
0.25	212.22	59.80	152.42	115.95	36.47	1
0.25	213.17	60.17	153.01	116.49	36.52	1
0.24	214.12	60.53	153.59	117.02	36.57	1
0.23	215.07	60.90	154.17	117.56	36.62	1
0.22	216.02	61.26	154.75	118.09	36.66	1
0.21	216.96	61.63	155.33	118.62	36.71	1
0.20	217.91	62.00	155.91	119.16	36.75	1
0.19	218.86	62.37	156.48	119.69	36.79	1
0.19	219.80	62.74	157.06	120.22	36.83	1
0.18	220.75	63.12	157.63	120.75	36.88	1
0.17	221.69	63.49	158.20	121.29	36.92	1
0.16	222.63	63.86	158.77	121.82	36.95	1
0.15	223.58	64.24	159.34	122.35	36.99	1
0.14	224.52	64.61	159.91	122.88	37.03	1
0.13	225.46	64.99	160.47	123.41	37.07	1
0.13	226.41	65.37	161.04	123.94	37.10	1
0.12	227.35	65.75	161.60	124.46	37.14	1
0.11	228.29	66.13	162.16	124.99	37.17	1
0.10	229.23	66.51	162.72	125.52	37.20	1
0.09	230.17	66.89	163.28	126.05	37.23	1
0.08	231.11	67.27	163.84	126.57	37.26	1
0.08	232.05	67.65	164.39	127.10	37.30	1
0.07	232.99	68.04	164.95	127.62	37.32	1
0.06	233.93	68.42	165.50	128.15	37.35	1
0.05	234.86	68.81	166.05	128.67	37.38	1
0.04	235.80	69.20	166.61	129.20	37.41	1
0.03	236.74	69.58	167.15	129.72	37.43	1
0.03	237.67	69.97	167.70	130.25	37.46	1
0.02	238.61	70.36	168.25	130.77	37.48	1
0.01	239.54	70.75	168.79	131.29	37.50	1
0.00	240.48	71.14	169.34	131.81	37.53	1

Time = 150. Degree of Consolidation = 96.0%

Total Settlement = 4.703

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 150. = 4.649

Settlement caused by Secondary Compression at time 150. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.55

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.27	0.97	6.25	1.75	1.75	1
6.97	2.26	0.96	6.25	1.75	1.75	1
6.94	2.24	0.96	6.25	1.75	1.75	1
6.91	2.23	0.95	6.25	1.75	1.75	1
6.89	2.22	0.95	6.25	1.75	1.75	1
6.86	2.21	0.95	6.25	1.75	1.75	1
6.83	2.20	0.94	6.25	1.75	1.75	1
6.80	2.19	0.94	6.25	1.75	1.75	1
6.77	2.18	0.93	6.25	1.75	1.75	1
6.74	2.17	0.93	6.25	1.75	1.75	1
6.71	2.16	0.93	6.25	1.75	1.75	1
6.69	2.15	0.92	6.25	1.75	1.75	1
6.66	2.14	0.92	6.25	1.75	1.75	1
6.63	2.13	0.91	6.25	1.75	1.75	1
6.60	2.11	0.91	6.25	1.75	1.75	1
6.57	2.10	0.91	6.25	1.75	1.75	1
6.54	2.09	0.90	6.25	1.75	1.75	1
6.51	2.08	0.90	6.25	1.75	1.75	1
6.49	2.07	0.89	6.25	1.74	1.74	1
6.46	2.06	0.89	6.25	1.73	1.73	1
6.43	2.05	0.89	6.25	1.72	1.72	1
6.40	2.04	0.88	6.25	1.71	1.71	1
6.37	2.03	0.88	6.25	1.70	1.70	1
6.34	2.02	0.87	6.25	1.69	1.69	1
6.31	2.01	0.87	6.25	1.68	1.68	1
6.29	2.00	0.87	6.25	1.67	1.67	1
6.26	1.99	0.86	6.25	1.66	1.66	1
6.23	1.98	0.86	6.25	1.65	1.65	1
6.20	1.97	0.86	6.25	1.65	1.64	1
6.17	1.96	0.85	6.25	1.64	1.63	1
6.14	1.94	0.85	6.25	1.63	1.62	1
6.11	1.93	0.84	6.25	1.62	1.61	1
6.09	1.92	0.84	6.25	1.61	1.60	1
6.06	1.91	0.84	6.25	1.61	1.59	1
6.03	1.90	0.83	6.25	1.60	1.58	1
6.00	1.89	0.83	6.25	1.59	1.57	1
6.00	1.89	0.83	6.25	1.59	1.57	1
5.93	1.87	0.82	6.25	1.58	1.55	1
5.86	1.84	0.81	6.25	1.56	1.52	1
5.79	1.82	0.80	6.25	1.55	1.50	1
5.71	1.79	0.79	6.25	1.53	1.49	1
5.64	1.77	0.78	6.25	1.52	1.48	1
5.57	1.74	0.77	6.25	1.50	1.47	1
5.50	1.72	0.76	6.25	1.49	1.46	1
5.43	1.69	0.75	6.25	1.48	1.44	1
5.36	1.67	0.74	6.25	1.47	1.43	1
5.29	1.65	0.73	6.25	1.46	1.42	1
5.21	1.62	0.72	6.25	1.45	1.41	1
5.14	1.60	0.71	6.25	1.44	1.40	1
5.07	1.57	0.70	6.25	1.43	1.39	1
5.00	1.55	0.69	6.25	1.42	1.38	1
4.93	1.53	0.68	6.25	1.41	1.37	1

4.86	1.50	0.67	b420.pso	6.25	1.41	1.35	1
4.79	1.48	0.66		6.25	1.40	1.34	1
4.71	1.45	0.65		6.25	1.39	1.33	1
4.64	1.43	0.64		6.25	1.39	1.32	1
4.57	1.41	0.63		6.25	1.38	1.31	1
4.50	1.38	0.62		6.25	1.37	1.30	1
4.43	1.36	0.61		6.25	1.37	1.29	1
4.36	1.34	0.60		6.25	1.36	1.28	1
4.29	1.31	0.59		6.25	1.36	1.27	1
4.21	1.29	0.58		6.25	1.35	1.25	1
4.14	1.27	0.57		6.25	1.35	1.24	1
4.07	1.24	0.56		6.25	1.34	1.23	1
4.00	1.22	0.55		6.25	1.33	1.23	1
3.93	1.20	0.54		6.25	1.33	1.22	1
3.86	1.18	0.53		6.25	1.33	1.21	1
3.79	1.15	0.52		6.25	1.32	1.21	1
3.71	1.13	0.51		6.25	1.32	1.20	1
3.64	1.11	0.50		6.25	1.31	1.20	1
3.57	1.08	0.49		6.25	1.31	1.19	1
3.50	1.06	0.48		6.25	1.30	1.19	1
3.50	1.06	0.48		6.25	1.30	1.19	1
3.43	1.04	0.47		6.25	1.30	1.18	1
3.36	1.02	0.46		6.25	1.29	1.18	1
3.29	0.99	0.45		6.25	1.29	1.17	1
3.21	0.97	0.44		6.25	1.28	1.17	1
3.14	0.95	0.43		6.25	1.28	1.16	1
3.07	0.93	0.42		6.25	1.28	1.16	1
3.00	0.90	0.41		6.25	1.27	1.15	1
2.93	0.88	0.40		6.25	1.27	1.15	1
2.86	0.86	0.39		6.25	1.26	1.14	1
2.79	0.84	0.38		6.25	1.26	1.13	1
2.71	0.81	0.37		6.25	1.26	1.13	1
2.64	0.79	0.36		6.25	1.25	1.12	1
2.57	0.77	0.35		6.25	1.25	1.12	1
2.50	0.75	0.34		6.25	1.24	1.11	1
2.43	0.73	0.33		6.25	1.24	1.11	1
2.36	0.70	0.33		6.25	1.24	1.10	1
2.29	0.68	0.32		6.25	1.23	1.10	1
2.21	0.66	0.31		6.25	1.23	1.09	1
2.14	0.64	0.30		6.25	1.22	1.09	1
2.07	0.62	0.29		6.25	1.22	1.08	1
2.00	0.59	0.28		6.25	1.21	1.08	1
1.93	0.57	0.27		6.25	1.21	1.07	1
1.86	0.55	0.26		6.25	1.21	1.06	1
1.79	0.53	0.25		6.25	1.20	1.06	1
1.71	0.51	0.24		6.25	1.20	1.05	1
1.64	0.49	0.23		6.25	1.19	1.05	1
1.57	0.46	0.22		6.25	1.19	1.04	1
1.50	0.44	0.21		6.25	1.19	1.04	1
1.43	0.42	0.20		6.25	1.18	1.03	1
1.36	0.40	0.19		6.25	1.18	1.03	1
1.29	0.38	0.18		6.25	1.17	1.02	1
1.21	0.36	0.17		6.25	1.17	1.02	1
1.14	0.34	0.16		6.25	1.16	1.01	1
1.07	0.31	0.15		6.25	1.16	1.01	1
1.00	0.29	0.14		6.25	1.15	1.00	1
1.00	0.29	0.14		6.25	1.15	1.00	1
0.97	0.28	0.13		6.25	1.15	1.00	1
0.94	0.28	0.13		6.25	1.15	1.00	1
0.91	0.27	0.13		6.25	1.15	0.99	1
0.89	0.26	0.12		6.25	1.15	0.99	1
0.86	0.25	0.12		6.25	1.15	0.99	1
0.83	0.24	0.11		6.25	1.14	0.99	1

			b420.pso			
0.80	0.23	0.11	6.25	1.14	0.99	1
0.77	0.23	0.11	6.25	1.14	0.98	1
0.74	0.22	0.10	6.25	1.14	0.98	1
0.71	0.21	0.10	6.25	1.14	0.98	1
0.69	0.20	0.09	6.25	1.14	0.98	1
0.66	0.19	0.09	6.25	1.13	0.97	1
0.63	0.18	0.09	6.25	1.13	0.97	1
0.60	0.17	0.08	6.25	1.13	0.97	1
0.57	0.17	0.08	6.25	1.13	0.97	1
0.54	0.16	0.07	6.25	1.13	0.97	1
0.51	0.15	0.07	6.25	1.12	0.97	1
0.49	0.14	0.07	6.25	1.12	0.97	1
0.46	0.13	0.06	6.25	1.12	0.96	1
0.43	0.12	0.06	6.25	1.12	0.96	1
0.40	0.12	0.06	6.25	1.12	0.96	1
0.37	0.11	0.05	6.25	1.12	0.96	1
0.34	0.10	0.05	6.25	1.11	0.96	1
0.31	0.09	0.04	6.25	1.11	0.96	1
0.29	0.08	0.04	6.25	1.11	0.96	1
0.26	0.07	0.04	6.25	1.11	0.96	1
0.23	0.07	0.03	6.25	1.11	0.96	1
0.20	0.06	0.03	6.25	1.10	0.95	1
0.17	0.05	0.02	6.25	1.10	0.95	1
0.14	0.04	0.02	6.25	1.10	0.95	1
0.11	0.03	0.02	6.25	1.10	0.95	1
0.09	0.02	0.01	6.25	1.10	0.95	1
0.06	0.02	0.01	6.25	1.09	0.95	1
0.03	0.01	0.00	6.25	1.09	0.95	1
0.00	0.00	0.00	6.25	1.09	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.27	0.00	0.00	0.00	0.00	0.00	1
2.26	0.84	0.84	0.00	0.00	0.00	1
2.24	1.69	1.69	0.00	0.00	0.00	1
2.23	2.53	2.53	0.00	0.00	0.00	1
2.22	3.38	3.38	0.00	0.00	0.00	1
2.21	4.22	4.22	0.00	0.00	0.00	1
2.20	5.06	5.06	0.00	0.00	0.00	1
2.19	5.91	5.91	0.00	0.00	0.00	1
2.18	6.75	6.75	0.00	0.00	0.00	1
2.17	7.60	7.60	0.00	0.00	0.00	1
2.16	8.44	8.44	0.00	0.00	0.00	1
2.15	9.28	9.28	0.00	0.00	0.00	1
2.14	10.13	10.13	0.00	0.00	0.00	1
2.13	10.97	10.97	0.00	0.00	0.00	1
2.11	11.82	11.82	0.00	0.00	0.00	1
2.10	12.66	12.66	0.00	0.00	0.00	1
2.09	13.51	13.51	0.00	0.00	0.00	1
2.08	14.47	14.47	0.00	0.00	0.00	1
2.07	15.56	14.89	0.67	0.67	0.00	1
2.06	16.65	15.30	1.35	1.35	0.00	1
2.05	17.73	15.71	2.01	2.01	0.00	1
2.04	18.81	16.13	2.68	2.68	0.00	1
2.03	19.89	16.53	3.35	3.35	0.00	1
2.02	20.96	16.93	4.03	4.01	0.02	1
2.01	22.03	17.32	4.72	4.67	0.05	1
2.00	23.10	17.70	5.41	5.33	0.08	1
1.99	24.17	18.06	6.11	5.98	0.13	1
1.98	25.24	18.42	6.82	6.64	0.19	1
1.97	26.30	18.77	7.54	7.29	0.25	1

1.96	27.37	19.11	b420.pso	7.94	0.32	1
1.94	28.43	19.44	8.26	8.58	0.41	1
1.93	29.49	19.76	8.99	9.23	0.50	1
1.92	30.54	20.07	9.73	9.87	0.60	1
1.91	31.60	20.38	10.47	10.52	0.70	1
1.90	32.65	20.68	11.22	11.16	0.82	1
1.89	33.71	20.97	11.97	11.80	0.94	1
1.89	33.71	20.97	12.73	11.80	0.94	1
1.87	36.33	21.70	12.73	11.80	0.94	1
1.84	38.94	22.39	14.62	13.38	1.24	1
1.82	41.54	23.05	16.55	14.96	1.58	1
1.79	44.14	23.66	18.50	16.53	1.96	1
1.77	46.72	24.25	20.47	18.09	2.38	1
1.74	49.30	24.81	22.47	19.65	2.82	1
1.72	51.86	25.75	24.48	21.19	3.29	1
1.69	54.43	26.83	26.12	22.73	3.39	1
1.67	56.98	27.85	27.59	24.25	3.34	1
1.65	59.53	28.81	29.13	25.77	3.35	1
1.62	62.07	29.72	30.72	27.29	3.43	1
1.60	64.60	30.58	32.35	28.80	3.55	1
1.57	67.13	31.40	34.02	30.30	3.72	1
1.55	69.66	32.17	35.74	31.80	3.94	1
1.53	72.18	32.91	37.49	33.29	4.20	1
1.50	74.69	33.62	39.27	34.78	4.49	1
1.48	77.20	34.29	41.08	36.26	4.82	1
1.45	79.71	34.94	42.91	37.74	5.18	1
1.43	82.21	35.56	44.77	39.21	5.56	1
1.41	84.71	36.16	46.65	40.68	5.97	1
1.38	87.20	36.73	48.55	42.14	6.41	1
1.36	89.69	37.29	50.47	43.60	6.86	1
1.34	92.18	37.83	52.40	45.06	7.34	1
1.31	94.66	38.35	54.35	46.51	7.84	1
1.29	97.14	38.86	56.31	47.96	8.35	1
1.27	99.62	39.35	58.28	49.41	8.87	1
1.24	102.09	39.83	60.27	50.85	9.41	1
1.22	104.56	40.30	62.26	52.29	9.97	1
1.20	107.03	40.75	64.26	53.73	10.53	1
1.18	109.49	41.20	66.27	55.17	11.11	1
1.15	111.95	41.64	68.29	56.60	11.69	1
1.13	114.41	42.07	70.31	58.02	12.29	1
1.11	116.86	42.49	72.34	59.45	12.89	1
1.08	119.32	42.91	74.37	60.87	13.50	1
1.06	121.77	43.32	76.41	62.29	14.12	1
1.06	121.77	43.32	78.45	63.71	14.74	1
1.04	124.21	43.73	78.45	63.71	14.74	1
1.02	126.66	44.13	80.49	65.12	15.36	1
0.99	129.10	44.53	82.52	66.53	15.99	1
0.97	131.54	44.93	84.57	67.94	16.62	1
0.95	133.97	45.32	86.61	69.35	17.26	1
0.93	136.41	45.71	88.65	70.75	17.90	1
0.90	138.84	46.10	90.70	72.15	18.55	1
0.88	141.27	46.48	92.74	73.55	19.19	1
0.86	143.69	46.86	94.79	74.95	19.84	1
0.84	146.12	47.24	96.83	76.34	20.49	1
0.81	148.54	47.62	98.88	77.73	21.15	1
0.79	150.96	48.00	100.92	79.12	21.80	1
0.77	153.37	48.38	102.96	80.50	22.46	1
0.75	155.78	48.75	105.00	81.89	23.11	1
0.73	158.20	49.13	107.03	83.27	23.77	1
0.70	160.60	49.51	109.07	84.64	24.42	1
0.68	163.01	49.89	111.10	86.02	25.08	1
0.66	165.41	50.55	113.12	87.39	25.73	1
0.64	167.81	51.34	114.86	88.76	26.10	1
			116.47	90.13	26.34	1

			b420.pso			
0.62	170.21	52.13	118.08	91.50	26.58	1
0.59	172.61	52.93	119.68	92.86	26.82	1
0.57	175.00	53.73	121.27	94.22	27.05	1
0.55	177.39	54.53	122.86	95.58	27.28	1
0.53	179.78	55.34	124.44	96.93	27.51	1
0.51	182.16	56.15	126.02	98.28	27.73	1
0.49	184.55	56.96	127.59	99.63	27.95	1
0.46	186.93	57.78	129.15	100.98	28.17	1
0.44	189.31	58.60	130.71	102.33	28.38	1
0.42	191.68	59.42	132.26	103.67	28.59	1
0.40	194.05	60.25	133.80	105.01	28.79	1
0.38	196.42	61.08	135.34	106.35	28.99	1
0.36	198.79	61.92	136.87	107.68	29.19	1
0.34	201.15	62.76	138.39	109.01	29.38	1
0.31	203.52	63.61	139.91	110.34	29.57	1
0.29	205.87	64.45	141.42	111.67	29.75	1
0.29	205.87	64.45	141.42	111.67	29.75	1
0.28	206.82	64.79	142.02	112.20	29.83	1
0.28	207.76	65.13	142.63	112.73	29.90	1
0.27	208.70	65.47	143.23	113.25	29.97	1
0.26	209.64	65.81	143.83	113.78	30.05	1
0.25	210.58	66.16	144.43	114.31	30.12	1
0.24	211.52	66.50	145.03	114.84	30.19	1
0.23	212.46	66.84	145.62	115.36	30.26	1
0.23	213.40	67.19	146.22	115.89	30.33	1
0.22	214.34	67.53	146.81	116.42	30.40	1
0.21	215.28	67.88	147.41	116.94	30.46	1
0.20	216.22	68.22	148.00	117.47	30.53	1
0.19	217.16	68.57	148.59	117.99	30.60	1
0.18	218.10	68.91	149.18	118.52	30.66	1
0.17	219.03	69.26	149.77	119.04	30.73	1
0.17	219.97	69.61	150.36	119.57	30.79	1
0.16	220.91	69.96	150.95	120.09	30.86	1
0.15	221.84	70.31	151.53	120.61	30.92	1
0.14	222.78	70.66	152.12	121.13	30.98	1
0.13	223.71	71.01	152.70	121.66	31.05	1
0.12	224.65	71.36	153.28	122.18	31.11	1
0.12	225.58	71.72	153.87	122.70	31.17	1
0.11	226.51	72.07	154.45	123.22	31.23	1
0.10	227.45	72.42	155.03	123.74	31.29	1
0.09	228.38	72.78	155.60	124.26	31.35	1
0.08	229.31	73.13	156.18	124.78	31.40	1
0.07	230.24	73.49	156.76	125.29	31.46	1
0.07	231.18	73.84	157.33	125.81	31.52	1
0.06	232.11	74.20	157.91	126.33	31.57	1
0.05	233.04	74.56	158.48	126.85	31.63	1
0.04	233.97	74.92	159.05	127.36	31.69	1
0.03	234.90	75.28	159.62	127.88	31.74	1
0.02	235.82	75.64	160.19	128.40	31.79	1
0.02	236.75	76.00	160.76	128.91	31.85	1
0.01	237.68	76.36	161.32	129.43	31.90	1
0.00	238.61	76.72	161.89	129.94	31.95	1

Time = 180. Degree of Consolidation = 97.0%

Total Settlement = 4.733

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 180. = 4.679

Settlement caused by Secondary Compression at time 180. = 0.000

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Settlement Due to Desiccation = 0.054

Surface Elevation = 1.52

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.25	0.97	6.25	1.75	1.75	1
6.97	2.24	0.96	6.25	1.75	1.75	1
6.94	2.22	0.96	6.25	1.75	1.75	1
6.91	2.21	0.95	6.25	1.75	1.75	1
6.89	2.20	0.95	6.25	1.75	1.75	1
6.86	2.19	0.95	6.25	1.75	1.75	1
6.83	2.18	0.94	6.25	1.75	1.75	1
6.80	2.17	0.94	6.25	1.75	1.75	1
6.77	2.16	0.93	6.25	1.75	1.75	1
6.74	2.15	0.93	6.25	1.75	1.75	1
6.71	2.14	0.93	6.25	1.75	1.75	1
6.69	2.13	0.92	6.25	1.75	1.75	1
6.66	2.12	0.92	6.25	1.75	1.75	1
6.63	2.11	0.91	6.25	1.75	1.75	1
6.60	2.09	0.91	6.25	1.75	1.75	1
6.57	2.08	0.91	6.25	1.75	1.75	1
6.54	2.07	0.90	6.25	1.75	1.75	1
6.51	2.06	0.90	6.25	1.75	1.75	1
6.49	2.05	0.89	6.25	1.74	1.74	1
6.46	2.04	0.89	6.25	1.73	1.73	1
6.43	2.03	0.89	6.25	1.72	1.72	1
6.40	2.02	0.88	6.25	1.71	1.71	1
6.37	2.01	0.88	6.25	1.70	1.70	1
6.34	2.00	0.87	6.25	1.69	1.69	1
6.31	1.99	0.87	6.25	1.68	1.68	1
6.29	1.98	0.87	6.25	1.67	1.67	1
6.26	1.97	0.86	6.25	1.66	1.66	1
6.23	1.96	0.86	6.25	1.65	1.65	1
6.20	1.94	0.86	6.25	1.64	1.64	1
6.17	1.93	0.85	6.25	1.63	1.63	1
6.14	1.92	0.85	6.25	1.63	1.62	1
6.11	1.91	0.84	6.25	1.62	1.61	1
6.09	1.90	0.84	6.25	1.61	1.60	1
6.06	1.89	0.84	6.25	1.60	1.59	1
6.03	1.88	0.83	6.25	1.59	1.58	1
6.00	1.87	0.83	6.25	1.59	1.57	1
6.00	1.87	0.83	6.25	1.59	1.57	1
5.93	1.85	0.82	6.25	1.57	1.55	1
5.86	1.82	0.81	6.25	1.55	1.52	1
5.79	1.80	0.80	6.25	1.53	1.50	1
5.71	1.77	0.79	6.25	1.52	1.49	1
5.64	1.75	0.78	6.25	1.50	1.48	1
5.57	1.72	0.77	6.25	1.49	1.47	1
5.50	1.70	0.76	6.25	1.48	1.46	1
5.43	1.67	0.75	6.25	1.46	1.44	1
5.36	1.65	0.74	6.25	1.45	1.43	1
5.29	1.63	0.73	6.25	1.44	1.42	1
5.21	1.60	0.72	6.25	1.43	1.41	1
5.14	1.58	0.71	6.25	1.42	1.40	1

5.07	1.55	0.70	b420.pso	6.25	1.41	1.39	1
5.00	1.53	0.69		6.25	1.40	1.38	1
4.93	1.51	0.68		6.25	1.39	1.37	1
4.86	1.48	0.67		6.25	1.39	1.35	1
4.79	1.46	0.66		6.25	1.38	1.34	1
4.71	1.44	0.65		6.25	1.37	1.33	1
4.64	1.41	0.64		6.25	1.36	1.32	1
4.57	1.39	0.63		6.25	1.36	1.31	1
4.50	1.37	0.62		6.25	1.35	1.30	1
4.43	1.34	0.61		6.25	1.34	1.29	1
4.36	1.32	0.60		6.25	1.34	1.28	1
4.29	1.30	0.59		6.25	1.33	1.27	1
4.21	1.27	0.58		6.25	1.33	1.25	1
4.14	1.25	0.57		6.25	1.32	1.24	1
4.07	1.23	0.56		6.25	1.31	1.23	1
4.00	1.21	0.55		6.25	1.31	1.23	1
3.93	1.18	0.54		6.25	1.30	1.22	1
3.86	1.16	0.53		6.25	1.30	1.21	1
3.79	1.14	0.52		6.25	1.29	1.21	1
3.71	1.12	0.51		6.25	1.29	1.20	1
3.64	1.09	0.50		6.25	1.28	1.20	1
3.57	1.07	0.49		6.25	1.28	1.19	1
3.50	1.05	0.48		6.25	1.27	1.19	1
3.50	1.05	0.48		6.25	1.27	1.19	1
3.43	1.03	0.47		6.25	1.27	1.18	1
3.36	1.00	0.46		6.25	1.27	1.18	1
3.29	0.98	0.45		6.25	1.26	1.17	1
3.21	0.96	0.44		6.25	1.26	1.17	1
3.14	0.94	0.43		6.25	1.25	1.16	1
3.07	0.91	0.42		6.25	1.25	1.16	1
3.00	0.89	0.41		6.25	1.24	1.15	1
2.93	0.87	0.40		6.25	1.24	1.15	1
2.86	0.85	0.39		6.25	1.24	1.14	1
2.79	0.83	0.38		6.25	1.23	1.13	1
2.71	0.80	0.37		6.25	1.23	1.13	1
2.64	0.78	0.36		6.25	1.22	1.12	1
2.57	0.76	0.35		6.25	1.22	1.12	1
2.50	0.74	0.34		6.25	1.21	1.11	1
2.43	0.72	0.33		6.25	1.21	1.11	1
2.36	0.69	0.33		6.25	1.21	1.10	1
2.29	0.67	0.32		6.25	1.20	1.10	1
2.21	0.65	0.31		6.25	1.20	1.09	1
2.14	0.63	0.30		6.25	1.19	1.09	1
2.07	0.61	0.29		6.25	1.19	1.08	1
2.00	0.59	0.28		6.25	1.19	1.08	1
1.93	0.57	0.27		6.25	1.18	1.07	1
1.86	0.54	0.26		6.25	1.18	1.06	1
1.79	0.52	0.25		6.25	1.17	1.06	1
1.71	0.50	0.24		6.25	1.17	1.05	1
1.64	0.48	0.23		6.25	1.17	1.05	1
1.57	0.46	0.22		6.25	1.16	1.04	1
1.50	0.44	0.21		6.25	1.16	1.04	1
1.43	0.42	0.20		6.25	1.15	1.03	1
1.36	0.39	0.19		6.25	1.15	1.03	1
1.29	0.37	0.18		6.25	1.14	1.02	1
1.21	0.35	0.17		6.25	1.14	1.02	1
1.14	0.33	0.16		6.25	1.14	1.01	1
1.07	0.31	0.15		6.25	1.13	1.01	1
1.00	0.29	0.14		6.25	1.13	1.00	1
1.00	0.29	0.14		6.25	1.13	1.00	1
0.97	0.28	0.13		6.25	1.13	1.00	1
0.94	0.27	0.13		6.25	1.12	1.00	1
0.91	0.26	0.13		6.25	1.12	0.99	1

			b420.pso			
0.89	0.26	0.12	6.25	1.12	0.99	1
0.86	0.25	0.12	6.25	1.12	0.99	1
0.83	0.24	0.11	6.25	1.12	0.99	1
0.80	0.23	0.11	6.25	1.12	0.99	1
0.77	0.22	0.11	6.25	1.11	0.98	1
0.74	0.21	0.10	6.25	1.11	0.98	1
0.71	0.21	0.10	6.25	1.11	0.98	1
0.69	0.20	0.09	6.25	1.11	0.98	1
0.66	0.19	0.09	6.25	1.11	0.97	1
0.63	0.18	0.09	6.25	1.11	0.97	1
0.60	0.17	0.08	6.25	1.10	0.97	1
0.57	0.16	0.08	6.25	1.10	0.97	1
0.54	0.16	0.07	6.25	1.10	0.97	1
0.51	0.15	0.07	6.25	1.10	0.97	1
0.49	0.14	0.07	6.25	1.10	0.97	1
0.46	0.13	0.06	6.25	1.09	0.96	1
0.43	0.12	0.06	6.25	1.09	0.96	1
0.40	0.11	0.06	6.25	1.09	0.96	1
0.37	0.11	0.05	6.25	1.09	0.96	1
0.34	0.10	0.05	6.25	1.09	0.96	1
0.31	0.09	0.04	6.25	1.09	0.96	1
0.29	0.08	0.04	6.25	1.08	0.96	1
0.26	0.07	0.04	6.25	1.08	0.96	1
0.23	0.07	0.03	6.25	1.08	0.96	1
0.20	0.06	0.03	6.25	1.08	0.95	1
0.17	0.05	0.02	6.25	1.08	0.95	1
0.14	0.04	0.02	6.25	1.08	0.95	1
0.11	0.03	0.02	6.25	1.07	0.95	1
0.09	0.02	0.01	6.25	1.07	0.95	1
0.06	0.02	0.01	6.25	1.07	0.95	1
0.03	0.01	0.00	6.25	1.07	0.95	1
0.00	0.00	0.00	6.25	1.07	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.25	0.00	0.00	0.00	0.00	0.00	1
2.24	0.84	0.84	0.00	0.00	0.00	1
2.22	1.69	1.69	0.00	0.00	0.00	1
2.21	2.53	2.53	0.00	0.00	0.00	1
2.20	3.38	3.38	0.00	0.00	0.00	1
2.19	4.22	4.22	0.00	0.00	0.00	1
2.18	5.06	5.06	0.00	0.00	0.00	1
2.17	5.91	5.91	0.00	0.00	0.00	1
2.16	6.75	6.75	0.00	0.00	0.00	1
2.15	7.60	7.60	0.00	0.00	0.00	1
2.14	8.44	8.44	0.00	0.00	0.00	1
2.13	9.28	9.28	0.00	0.00	0.00	1
2.12	10.13	10.13	0.00	0.00	0.00	1
2.11	10.97	10.97	0.00	0.00	0.00	1
2.09	11.82	11.82	0.00	0.00	0.00	1
2.08	12.66	12.66	0.00	0.00	0.00	1
2.07	13.51	13.51	0.00	0.00	0.00	1
2.06	14.47	14.47	0.00	0.00	0.00	1
2.05	15.56	14.89	0.67	0.67	0.00	1
2.04	16.65	15.30	1.35	1.35	0.00	1
2.03	17.73	15.71	2.01	2.01	0.00	1
2.02	18.81	16.13	2.68	2.68	0.00	1
2.01	19.89	16.54	3.35	3.35	0.00	1
2.00	20.96	16.95	4.01	4.01	0.00	1
1.99	22.03	17.36	4.67	4.67	0.00	1
1.98	23.10	17.77	5.34	5.33	0.01	1

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1.97	24.17	18.16	6.02	5.98	0.03	1
1.96	25.24	18.54	6.70	6.63	0.07	1
1.94	26.30	18.91	7.39	7.28	0.11	1
1.93	27.36	19.27	8.09	7.93	0.16	1
1.92	28.42	19.63	8.80	8.58	0.22	1
1.91	29.48	19.97	9.51	9.22	0.28	1
1.90	30.54	20.31	10.23	9.87	0.36	1
1.89	31.59	20.64	10.95	10.51	0.44	1
1.88	32.64	20.96	11.68	11.15	0.54	1
1.87	33.69	21.28	12.42	11.78	0.63	1
1.87	33.69	21.28	12.42	11.78	0.63	1
1.85	36.31	22.06	14.25	13.37	0.88	1
1.82	38.92	22.81	16.11	14.94	1.17	1
1.80	41.51	23.51	18.00	16.51	1.50	1
1.77	44.10	24.19	19.91	18.06	1.86	1
1.75	46.68	24.83	21.85	19.60	2.25	1
1.72	49.24	25.94	23.30	21.14	2.17	1
1.70	51.80	27.18	24.63	22.66	1.96	1
1.67	54.36	28.34	26.02	24.18	1.83	1
1.65	56.90	29.43	27.47	25.69	1.77	1
1.63	59.44	30.46	28.98	27.20	1.78	1
1.60	61.97	31.43	30.53	28.70	1.84	1
1.58	64.49	32.36	32.13	30.19	1.95	1
1.55	67.01	33.23	33.78	31.67	2.11	1
1.53	69.52	34.06	35.46	33.15	2.31	1
1.51	72.03	34.85	37.17	34.63	2.55	1
1.48	74.53	35.61	38.92	36.09	2.83	1
1.46	77.03	36.33	40.70	37.56	3.14	1
1.44	79.52	37.02	42.50	39.02	3.48	1
1.41	82.01	37.69	44.32	40.47	3.85	1
1.39	84.49	38.32	46.17	41.92	4.24	1
1.37	86.97	38.94	48.03	43.37	4.66	1
1.34	89.44	39.53	49.92	44.81	5.10	1
1.32	91.92	40.10	51.82	46.25	5.57	1
1.30	94.38	40.65	53.73	47.69	6.05	1
1.27	96.85	41.19	55.66	49.12	6.54	1
1.25	99.31	41.71	57.60	50.54	7.06	1
1.23	101.77	42.21	59.55	51.97	7.58	1
1.21	104.22	42.70	61.51	53.39	8.12	1
1.18	106.67	43.18	63.49	54.81	8.68	1
1.16	109.12	43.65	65.47	56.22	9.24	1
1.14	111.56	44.11	67.45	57.63	9.82	1
1.12	114.00	44.56	69.45	59.04	10.40	1
1.09	116.44	45.00	71.44	60.45	11.00	1
1.07	118.88	45.43	73.45	61.85	11.60	1
1.05	121.31	45.85	75.46	63.25	12.21	1
1.05	121.31	45.85	75.46	63.25	12.21	1
1.03	123.74	46.28	77.46	64.65	12.82	1
1.00	126.17	46.69	79.47	66.04	13.43	1
0.98	128.59	47.11	81.49	67.43	14.05	1
0.96	131.01	47.51	83.50	68.82	14.68	1
0.94	133.43	47.92	85.52	70.21	15.31	1
0.91	135.85	48.32	87.53	71.59	15.94	1
0.89	138.26	48.71	89.55	72.97	16.58	1
0.87	140.67	49.10	91.57	74.35	17.22	1
0.85	143.08	49.49	93.59	75.73	17.86	1
0.83	145.49	49.88	95.61	77.10	18.51	1
0.80	147.89	50.56	97.33	78.47	18.86	1
0.78	150.29	51.36	98.93	79.84	19.10	1
0.76	152.69	52.15	100.53	81.20	19.33	1
0.74	155.08	52.95	102.13	82.57	19.57	1
0.72	157.48	53.75	103.73	83.93	19.80	1
0.69	159.87	54.54	105.33	85.28	20.04	1

			b420.pso			
0.67	162.26	55.34	106.92	86.64	20.28	1
0.65	164.64	56.13	108.51	87.99	20.52	1
0.63	167.02	56.92	110.10	89.34	20.76	1
0.61	169.41	57.72	111.69	90.69	21.00	1
0.59	171.78	58.51	113.27	92.03	21.24	1
0.57	174.16	59.30	114.86	93.38	21.48	1
0.54	176.53	60.10	116.43	94.72	21.72	1
0.52	178.90	60.89	118.01	96.05	21.95	1
0.50	181.27	61.69	119.58	97.39	22.19	1
0.48	183.63	62.49	121.15	98.72	22.43	1
0.46	186.00	63.28	122.71	100.05	22.66	1
0.44	188.36	64.09	124.27	101.38	22.89	1
0.42	190.71	64.89	125.83	102.70	23.12	1
0.39	193.07	65.69	127.38	104.03	23.35	1
0.37	195.42	66.50	128.93	105.35	23.58	1
0.35	197.77	67.30	130.47	106.66	23.81	1
0.33	200.12	68.11	132.01	107.98	24.03	1
0.31	202.46	68.92	133.54	109.29	24.25	1
0.29	204.81	69.74	135.07	110.60	24.47	1
0.29	204.81	69.74	135.07	110.60	24.47	1
0.28	205.74	70.06	135.68	111.12	24.56	1
0.27	206.68	70.39	136.29	111.64	24.65	1
0.26	207.61	70.71	136.90	112.16	24.73	1
0.26	208.55	71.04	137.51	112.69	24.82	1
0.25	209.48	71.37	138.11	113.21	24.91	1
0.24	210.42	71.70	138.72	113.73	24.99	1
0.23	211.35	72.02	139.33	114.25	25.08	1
0.22	212.28	72.35	139.93	114.77	25.16	1
0.21	213.21	72.68	140.54	115.29	25.25	1
0.21	214.15	73.01	141.14	115.81	25.33	1
0.20	215.08	73.34	141.74	116.33	25.41	1
0.19	216.01	73.67	142.34	116.84	25.50	1
0.18	216.94	74.00	142.94	117.36	25.58	1
0.17	217.87	74.33	143.54	117.88	25.66	1
0.16	218.80	74.66	144.14	118.40	25.75	1
0.16	219.73	74.99	144.74	118.91	25.83	1
0.15	220.66	75.32	145.34	119.43	25.91	1
0.14	221.59	75.66	145.93	119.95	25.99	1
0.13	222.52	75.99	146.53	120.46	26.07	1
0.12	223.45	76.32	147.13	120.98	26.15	1
0.11	224.37	76.66	147.72	121.49	26.23	1
0.11	225.30	76.99	148.31	122.00	26.31	1
0.10	226.23	77.32	148.90	122.52	26.39	1
0.09	227.15	77.66	149.50	123.03	26.46	1
0.08	228.08	78.00	150.09	123.54	26.54	1
0.07	229.01	78.33	150.68	124.06	26.62	1
0.07	229.93	78.67	151.26	124.57	26.69	1
0.06	230.86	79.00	151.85	125.08	26.77	1
0.05	231.78	79.34	152.44	125.59	26.85	1
0.04	232.70	79.68	153.02	126.10	26.92	1
0.03	233.63	80.02	153.61	126.61	27.00	1
0.02	234.55	80.36	154.19	127.12	27.07	1
0.02	235.47	80.70	154.78	127.63	27.14	1
0.01	236.39	81.04	155.36	128.14	27.22	1
0.00	237.32	81.38	155.94	128.65	27.29	1

Time = 210. Degree of Consolidation = 97.0%

Total Settlement = 4.754

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 210. = 4.700

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Settlement caused by Secondary Compression at time 210. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.50

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.23	0.97	6.25	1.75	1.75	1
6.97	2.22	0.96	6.25	1.75	1.75	1
6.94	2.21	0.96	6.25	1.75	1.75	1
6.91	2.20	0.95	6.25	1.75	1.75	1
6.89	2.19	0.95	6.25	1.75	1.75	1
6.86	2.18	0.95	6.25	1.75	1.75	1
6.83	2.16	0.94	6.25	1.75	1.75	1
6.80	2.15	0.94	6.25	1.75	1.75	1
6.77	2.14	0.93	6.25	1.75	1.75	1
6.74	2.13	0.93	6.25	1.75	1.75	1
6.71	2.12	0.93	6.25	1.75	1.75	1
6.69	2.11	0.92	6.25	1.75	1.75	1
6.66	2.10	0.92	6.25	1.75	1.75	1
6.63	2.09	0.91	6.25	1.75	1.75	1
6.60	2.08	0.91	6.25	1.75	1.75	1
6.57	2.07	0.91	6.25	1.75	1.75	1
6.54	2.06	0.90	6.25	1.75	1.75	1
6.51	2.05	0.90	6.25	1.75	1.75	1
6.49	2.03	0.89	6.25	1.74	1.74	1
6.46	2.02	0.89	6.25	1.73	1.73	1
6.43	2.01	0.89	6.25	1.72	1.72	1
6.40	2.00	0.88	6.25	1.71	1.71	1
6.37	1.99	0.88	6.25	1.70	1.70	1
6.34	1.98	0.87	6.25	1.69	1.69	1
6.31	1.97	0.87	6.25	1.68	1.68	1
6.29	1.96	0.87	6.25	1.67	1.67	1
6.26	1.95	0.86	6.25	1.66	1.66	1
6.23	1.94	0.86	6.25	1.65	1.65	1
6.20	1.93	0.86	6.25	1.64	1.64	1
6.17	1.92	0.85	6.25	1.63	1.63	1
6.14	1.91	0.85	6.25	1.62	1.62	1
6.11	1.90	0.84	6.25	1.61	1.61	1
6.09	1.89	0.84	6.25	1.61	1.60	1
6.06	1.88	0.84	6.25	1.60	1.59	1
6.03	1.87	0.83	6.25	1.59	1.58	1
6.00	1.86	0.83	6.25	1.58	1.57	1
6.00	1.86	0.83	6.25	1.58	1.57	1
5.93	1.83	0.82	6.25	1.56	1.55	1
5.86	1.81	0.81	6.25	1.55	1.52	1
5.79	1.78	0.80	6.25	1.53	1.50	1
5.71	1.76	0.79	6.25	1.51	1.49	1
5.64	1.73	0.78	6.25	1.50	1.48	1
5.57	1.71	0.77	6.25	1.48	1.47	1
5.50	1.68	0.76	6.25	1.47	1.46	1
5.43	1.66	0.75	6.25	1.45	1.44	1
5.36	1.63	0.74	6.25	1.44	1.43	1

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5.29	1.61	0.73	6.25	1.43	1.42	1
5.21	1.59	0.72	6.25	1.42	1.41	1
5.14	1.56	0.71	6.25	1.41	1.40	1
5.07	1.54	0.70	6.25	1.40	1.39	1
5.00	1.52	0.69	6.25	1.39	1.38	1
4.93	1.49	0.68	6.25	1.38	1.37	1
4.86	1.47	0.67	6.25	1.37	1.35	1
4.79	1.45	0.66	6.25	1.36	1.34	1
4.71	1.42	0.65	6.25	1.35	1.33	1
4.64	1.40	0.64	6.25	1.35	1.32	1
4.57	1.38	0.63	6.25	1.34	1.31	1
4.50	1.35	0.62	6.25	1.33	1.30	1
4.43	1.33	0.61	6.25	1.33	1.29	1
4.36	1.31	0.60	6.25	1.32	1.28	1
4.29	1.28	0.59	6.25	1.31	1.27	1
4.21	1.26	0.58	6.25	1.31	1.25	1
4.14	1.24	0.57	6.25	1.30	1.24	1
4.07	1.22	0.56	6.25	1.30	1.23	1
4.00	1.19	0.55	6.25	1.29	1.23	1
3.93	1.17	0.54	6.25	1.28	1.22	1
3.86	1.15	0.53	6.25	1.28	1.21	1
3.79	1.13	0.52	6.25	1.27	1.21	1
3.71	1.10	0.51	6.25	1.27	1.20	1
3.64	1.08	0.50	6.25	1.26	1.20	1
3.57	1.06	0.49	6.25	1.26	1.19	1
3.50	1.04	0.48	6.25	1.25	1.19	1
3.50	1.04	0.48	6.25	1.25	1.19	1
3.43	1.01	0.47	6.25	1.25	1.18	1
3.36	0.99	0.46	6.25	1.24	1.18	1
3.29	0.97	0.45	6.25	1.24	1.17	1
3.21	0.95	0.44	6.25	1.24	1.17	1
3.14	0.93	0.43	6.25	1.23	1.16	1
3.07	0.90	0.42	6.25	1.23	1.16	1
3.00	0.88	0.41	6.25	1.22	1.15	1
2.93	0.86	0.40	6.25	1.22	1.15	1
2.86	0.84	0.39	6.25	1.21	1.14	1
2.79	0.82	0.38	6.25	1.21	1.13	1
2.71	0.80	0.37	6.25	1.20	1.13	1
2.64	0.77	0.36	6.25	1.20	1.12	1
2.57	0.75	0.35	6.25	1.20	1.12	1
2.50	0.73	0.34	6.25	1.19	1.11	1
2.43	0.71	0.33	6.25	1.19	1.11	1
2.36	0.69	0.33	6.25	1.18	1.10	1
2.29	0.67	0.32	6.25	1.18	1.10	1
2.21	0.64	0.31	6.25	1.17	1.09	1
2.14	0.62	0.30	6.25	1.17	1.09	1
2.07	0.60	0.29	6.25	1.17	1.08	1
2.00	0.58	0.28	6.25	1.16	1.08	1
1.93	0.56	0.27	6.25	1.16	1.07	1
1.86	0.54	0.26	6.25	1.15	1.06	1
1.79	0.52	0.25	6.25	1.15	1.06	1
1.71	0.50	0.24	6.25	1.15	1.05	1
1.64	0.47	0.23	6.25	1.14	1.05	1
1.57	0.45	0.22	6.25	1.14	1.04	1
1.50	0.43	0.21	6.25	1.13	1.04	1
1.43	0.41	0.20	6.25	1.13	1.03	1
1.36	0.39	0.19	6.25	1.13	1.03	1
1.29	0.37	0.18	6.25	1.12	1.02	1
1.21	0.35	0.17	6.25	1.12	1.02	1
1.14	0.33	0.16	6.25	1.11	1.01	1
1.07	0.31	0.15	6.25	1.11	1.01	1
1.00	0.29	0.14	6.25	1.10	1.00	1
1.00	0.29	0.14	6.25	1.10	1.00	1

b420.pso						
0.97	0.28	0.13	6.25	1.10	1.00	1
0.94	0.27	0.13	6.25	1.10	1.00	1
0.91	0.26	0.13	6.25	1.10	0.99	1
0.89	0.25	0.12	6.25	1.10	0.99	1
0.86	0.24	0.12	6.25	1.10	0.99	1
0.83	0.24	0.11	6.25	1.09	0.99	1
0.80	0.23	0.11	6.25	1.09	0.99	1
0.77	0.22	0.11	6.25	1.09	0.98	1
0.74	0.21	0.10	6.25	1.09	0.98	1
0.71	0.20	0.10	6.25	1.09	0.98	1
0.69	0.20	0.09	6.25	1.09	0.98	1
0.66	0.19	0.09	6.25	1.08	0.97	1
0.63	0.18	0.09	6.25	1.08	0.97	1
0.60	0.17	0.08	6.25	1.08	0.97	1
0.57	0.16	0.08	6.25	1.08	0.97	1
0.54	0.15	0.07	6.25	1.08	0.97	1
0.51	0.15	0.07	6.25	1.08	0.97	1
0.49	0.14	0.07	6.25	1.07	0.97	1
0.46	0.13	0.06	6.25	1.07	0.96	1
0.43	0.12	0.06	6.25	1.07	0.96	1
0.40	0.11	0.06	6.25	1.07	0.96	1
0.37	0.11	0.05	6.25	1.07	0.96	1
0.34	0.10	0.05	6.25	1.07	0.96	1
0.31	0.09	0.04	6.25	1.06	0.96	1
0.29	0.08	0.04	6.25	1.06	0.96	1
0.26	0.07	0.04	6.25	1.06	0.96	1
0.23	0.06	0.03	6.25	1.06	0.96	1
0.20	0.06	0.03	6.25	1.06	0.95	1
0.17	0.05	0.02	6.25	1.06	0.95	1
0.14	0.04	0.02	6.25	1.05	0.95	1
0.11	0.03	0.02	6.25	1.05	0.95	1
0.09	0.02	0.01	6.25	1.05	0.95	1
0.06	0.02	0.01	6.25	1.05	0.95	1
0.03	0.01	0.00	6.25	1.05	0.95	1
0.00	0.00	0.00	6.25	1.05	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.23	0.00	0.00	0.00	0.00	0.00	1
2.22	0.84	0.84	0.00	0.00	0.00	1
2.21	1.69	1.69	0.00	0.00	0.00	1
2.20	2.53	2.53	0.00	0.00	0.00	1
2.19	3.38	3.38	0.00	0.00	0.00	1
2.18	4.22	4.22	0.00	0.00	0.00	1
2.16	5.06	5.06	0.00	0.00	0.00	1
2.15	5.91	5.91	0.00	0.00	0.00	1
2.14	6.75	6.75	0.00	0.00	0.00	1
2.13	7.60	7.60	0.00	0.00	0.00	1
2.12	8.44	8.44	0.00	0.00	0.00	1
2.11	9.28	9.28	0.00	0.00	0.00	1
2.10	10.13	10.13	0.00	0.00	0.00	1
2.09	10.97	10.97	0.00	0.00	0.00	1
2.08	11.82	11.82	0.00	0.00	0.00	1
2.07	12.66	12.66	0.00	0.00	0.00	1
2.06	13.51	13.51	0.00	0.00	0.00	1
2.05	14.47	14.47	0.00	0.00	0.00	1
2.03	15.56	14.89	0.67	0.67	0.00	1
2.02	16.65	15.30	1.35	1.35	0.00	1
2.01	17.73	15.71	2.01	2.01	0.00	1
2.00	18.81	16.13	2.68	2.68	0.00	1
1.99	19.89	16.54	3.35	3.35	0.00	1

b420.pso						
1.98	20.96	16.95	4.01	4.01	0.00	1
1.97	22.03	17.37	4.67	4.67	0.00	1
1.96	23.10	17.78	5.33	5.33	0.00	1
1.95	24.17	18.19	5.99	5.98	0.00	1
1.94	25.24	18.59	6.65	6.63	0.02	1
1.93	26.30	18.97	7.33	7.28	0.04	1
1.92	27.36	19.35	8.01	7.93	0.08	1
1.91	28.42	19.72	8.70	8.58	0.12	1
1.90	29.48	20.09	9.39	9.22	0.17	1
1.89	30.53	20.44	10.09	9.86	0.23	1
1.88	31.59	20.79	10.80	10.50	0.30	1
1.87	32.64	21.12	11.52	11.14	0.37	1
1.86	33.69	21.45	12.23	11.78	0.46	1
1.86	33.69	21.45	12.23	11.78	0.46	1
1.83	36.30	22.28	14.02	13.36	0.66	1
1.81	38.91	23.06	15.84	14.93	0.91	1
1.78	41.50	23.81	17.69	16.49	1.20	1
1.76	44.08	24.52	19.56	18.04	1.52	1
1.73	46.65	25.43	21.22	19.58	1.65	1
1.71	49.21	26.81	22.40	21.11	1.30	1
1.68	51.77	28.11	23.66	22.63	1.03	1
1.66	54.31	29.32	24.99	24.14	0.85	1
1.63	56.85	30.47	26.38	25.64	0.73	1
1.61	59.38	31.56	27.82	27.14	0.68	1
1.59	61.90	32.58	29.32	28.63	0.69	1
1.56	64.42	33.55	30.87	30.11	0.75	1
1.54	66.93	34.47	32.46	31.59	0.87	1
1.52	69.43	35.35	34.09	33.06	1.02	1
1.49	71.93	36.18	35.75	34.53	1.22	1
1.47	74.42	36.98	37.44	35.99	1.46	1
1.45	76.91	37.74	39.17	37.44	1.73	1
1.42	79.39	38.47	40.92	38.89	2.03	1
1.40	81.87	39.17	42.70	40.34	2.36	1
1.38	84.35	39.84	44.50	41.78	2.72	1
1.35	86.81	40.49	46.32	43.22	3.11	1
1.33	89.28	41.11	48.16	44.65	3.52	1
1.31	91.74	41.72	50.02	46.07	3.95	1
1.28	94.20	42.30	51.90	47.50	4.40	1
1.26	96.65	42.87	53.78	48.92	4.86	1
1.24	99.10	43.41	55.69	50.34	5.35	1
1.22	101.54	43.95	57.60	51.75	5.85	1
1.19	103.99	44.46	59.52	53.16	6.37	1
1.17	106.43	44.97	61.46	54.56	6.89	1
1.15	108.86	45.46	63.40	55.97	7.43	1
1.13	111.29	45.94	65.35	57.37	7.99	1
1.10	113.72	46.41	67.31	58.76	8.55	1
1.08	116.15	46.87	69.28	60.16	9.12	1
1.06	118.57	47.33	71.25	61.55	9.70	1
1.04	120.99	47.77	73.22	62.93	10.29	1
1.04	120.99	47.77	73.22	62.93	10.29	1
1.01	123.41	48.21	75.19	64.32	10.88	1
0.99	125.82	48.65	77.17	65.70	11.47	1
0.97	128.23	49.08	79.15	67.08	12.07	1
0.95	130.64	49.51	81.13	68.45	12.68	1
0.93	133.05	49.93	83.12	69.83	13.29	1
0.90	135.45	50.72	84.73	71.20	13.53	1
0.88	137.85	51.58	86.27	72.56	13.71	1
0.86	140.25	52.43	87.82	73.93	13.89	1
0.84	142.64	53.28	89.37	75.29	14.08	1
0.82	145.04	54.12	90.92	76.65	14.27	1
0.80	147.42	54.95	92.48	78.01	14.47	1
0.77	149.81	55.78	94.04	79.36	14.68	1
0.75	152.20	56.60	95.60	80.71	14.89	1

			b420.pso			
0.73	154.58	57.42	97.16	82.06	15.10	1
0.71	156.96	58.23	98.73	83.40	15.32	1
0.69	159.33	59.04	100.29	84.75	15.54	1
0.67	161.71	59.85	101.86	86.09	15.77	1
0.64	164.08	60.65	103.42	87.43	16.00	1
0.62	166.44	61.45	104.99	88.76	16.23	1
0.60	168.81	62.25	106.56	90.10	16.46	1
0.58	171.17	63.05	108.12	91.43	16.70	1
0.56	173.54	63.85	109.69	92.75	16.94	1
0.54	175.89	64.64	111.25	94.08	17.17	1
0.52	178.25	65.43	112.82	95.40	17.42	1
0.50	180.60	66.22	114.38	96.72	17.66	1
0.47	182.95	67.01	115.94	98.04	17.90	1
0.45	185.30	67.80	117.50	99.36	18.14	1
0.43	187.65	68.59	119.06	100.67	18.39	1
0.41	189.99	69.38	120.61	101.98	18.63	1
0.39	192.33	70.17	122.16	103.29	18.88	1
0.37	194.67	70.96	123.71	104.59	19.12	1
0.35	197.00	71.75	125.26	105.89	19.36	1
0.33	199.34	72.53	126.80	107.19	19.61	1
0.31	201.67	73.32	128.34	108.49	19.85	1
0.29	204.00	74.11	129.88	109.79	20.09	1
0.29	204.00	74.11	129.88	109.79	20.09	1
0.28	204.93	74.43	130.49	110.30	20.19	1
0.27	205.86	74.75	131.11	110.82	20.29	1
0.26	206.79	75.06	131.72	111.34	20.38	1
0.25	207.71	75.38	132.33	111.85	20.48	1
0.24	208.64	75.70	132.95	112.37	20.58	1
0.24	209.57	76.01	133.56	112.89	20.67	1
0.23	210.50	76.33	134.17	113.40	20.77	1
0.22	211.43	76.65	134.78	113.91	20.87	1
0.21	212.35	76.97	135.39	114.43	20.96	1
0.20	213.28	77.28	136.00	114.94	21.06	1
0.20	214.21	77.60	136.61	115.46	21.15	1
0.19	215.13	77.92	137.22	115.97	21.25	1
0.18	216.06	78.24	137.82	116.48	21.34	1
0.17	216.99	78.55	138.43	116.99	21.44	1
0.16	217.91	78.87	139.04	117.51	21.53	1
0.15	218.83	79.19	139.64	118.02	21.63	1
0.15	219.76	79.51	140.25	118.53	21.72	1
0.14	220.68	79.83	140.85	119.04	21.81	1
0.13	221.60	80.15	141.45	119.55	21.91	1
0.12	222.53	80.47	142.06	120.06	22.00	1
0.11	223.45	80.79	142.66	120.57	22.09	1
0.11	224.37	81.11	143.26	121.08	22.19	1
0.10	225.29	81.43	143.86	121.58	22.28	1
0.09	226.21	81.75	144.46	122.09	22.37	1
0.08	227.14	82.07	145.06	122.60	22.46	1
0.07	228.06	82.40	145.66	123.11	22.55	1
0.06	228.98	82.72	146.26	123.61	22.65	1
0.06	229.89	83.04	146.86	124.12	22.74	1
0.05	230.81	83.36	147.45	124.63	22.83	1
0.04	231.73	83.68	148.05	125.13	22.92	1
0.03	232.65	84.01	148.64	125.64	23.01	1
0.02	233.57	84.33	149.24	126.14	23.10	1
0.02	234.49	84.65	149.83	126.64	23.19	1
0.01	235.40	84.98	150.42	127.15	23.28	1
0.00	236.32	85.30	151.02	127.65	23.36	1

Time = 240. Degree of Consolidation = 98.0%

Total Settlement = 4.770

b420.pso

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 240. = 4.716

Settlement caused by Secondary Compression at time 240. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.48

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.22	0.97	6.25	1.75	1.75	1
6.97	2.21	0.96	6.25	1.75	1.75	1
6.94	2.20	0.96	6.25	1.75	1.75	1
6.91	2.18	0.95	6.25	1.75	1.75	1
6.89	2.17	0.95	6.25	1.75	1.75	1
6.86	2.16	0.95	6.25	1.75	1.75	1
6.83	2.15	0.94	6.25	1.75	1.75	1
6.80	2.14	0.94	6.25	1.75	1.75	1
6.77	2.13	0.93	6.25	1.75	1.75	1
6.74	2.12	0.93	6.25	1.75	1.75	1
6.71	2.11	0.93	6.25	1.75	1.75	1
6.69	2.10	0.92	6.25	1.75	1.75	1
6.66	2.09	0.92	6.25	1.75	1.75	1
6.63	2.08	0.91	6.25	1.75	1.75	1
6.60	2.07	0.91	6.25	1.75	1.75	1
6.57	2.05	0.91	6.25	1.75	1.75	1
6.54	2.04	0.90	6.25	1.75	1.75	1
6.51	2.03	0.90	6.25	1.75	1.75	1
6.49	2.02	0.89	6.25	1.74	1.74	1
6.46	2.01	0.89	6.25	1.73	1.73	1
6.43	2.00	0.89	6.25	1.72	1.72	1
6.40	1.99	0.88	6.25	1.71	1.71	1
6.37	1.98	0.88	6.25	1.70	1.70	1
6.34	1.97	0.87	6.25	1.69	1.69	1
6.31	1.96	0.87	6.25	1.68	1.68	1
6.29	1.95	0.87	6.25	1.67	1.67	1
6.26	1.94	0.86	6.25	1.66	1.66	1
6.23	1.93	0.86	6.25	1.65	1.65	1
6.20	1.92	0.86	6.25	1.64	1.64	1
6.17	1.91	0.85	6.25	1.63	1.63	1
6.14	1.90	0.85	6.25	1.62	1.62	1
6.11	1.89	0.84	6.25	1.61	1.61	1
6.09	1.88	0.84	6.25	1.60	1.60	1
6.06	1.86	0.84	6.25	1.60	1.59	1
6.03	1.85	0.83	6.25	1.59	1.58	1
6.00	1.84	0.83	6.25	1.58	1.57	1
6.00	1.84	0.83	6.25	1.58	1.57	1
5.93	1.82	0.82	6.25	1.56	1.55	1
5.86	1.79	0.81	6.25	1.54	1.52	1
5.79	1.77	0.80	6.25	1.52	1.50	1
5.71	1.74	0.79	6.25	1.51	1.49	1
5.64	1.72	0.78	6.25	1.49	1.48	1
5.57	1.70	0.77	6.25	1.47	1.47	1

5.50	1.67	0.76	b420.pso	6.25	1.46	1.46	1
5.43	1.65	0.75		6.25	1.45	1.44	1
5.36	1.62	0.74		6.25	1.43	1.43	1
5.29	1.60	0.73		6.25	1.42	1.42	1
5.21	1.57	0.72		6.25	1.41	1.41	1
5.14	1.55	0.71		6.25	1.40	1.40	1
5.07	1.53	0.70		6.25	1.39	1.39	1
5.00	1.50	0.69		6.25	1.38	1.38	1
4.93	1.48	0.68		6.25	1.37	1.37	1
4.86	1.46	0.67		6.25	1.36	1.35	1
4.79	1.43	0.66		6.25	1.35	1.34	1
4.71	1.41	0.65		6.25	1.34	1.33	1
4.64	1.39	0.64		6.25	1.34	1.32	1
4.57	1.37	0.63		6.25	1.33	1.31	1
4.50	1.34	0.62		6.25	1.32	1.30	1
4.43	1.32	0.61		6.25	1.31	1.29	1
4.36	1.30	0.60		6.25	1.31	1.28	1
4.29	1.27	0.59		6.25	1.30	1.27	1
4.21	1.25	0.58		6.25	1.29	1.25	1
4.14	1.23	0.57		6.25	1.29	1.24	1
4.07	1.21	0.56		6.25	1.28	1.23	1
4.00	1.18	0.55		6.25	1.28	1.23	1
3.93	1.16	0.54		6.25	1.27	1.22	1
3.86	1.14	0.53		6.25	1.26	1.21	1
3.79	1.12	0.52		6.25	1.26	1.21	1
3.71	1.09	0.51		6.25	1.25	1.20	1
3.64	1.07	0.50		6.25	1.25	1.20	1
3.57	1.05	0.49		6.25	1.24	1.19	1
3.50	1.03	0.48		6.25	1.24	1.19	1
3.50	1.03	0.48		6.25	1.24	1.19	1
3.43	1.01	0.47		6.25	1.23	1.18	1
3.36	0.98	0.46		6.25	1.23	1.18	1
3.29	0.96	0.45		6.25	1.22	1.17	1
3.21	0.94	0.44		6.25	1.22	1.17	1
3.14	0.92	0.43		6.25	1.21	1.16	1
3.07	0.90	0.42		6.25	1.21	1.16	1
3.00	0.88	0.41		6.25	1.20	1.15	1
2.93	0.85	0.40		6.25	1.20	1.15	1
2.86	0.83	0.39		6.25	1.19	1.14	1
2.79	0.81	0.38		6.25	1.19	1.13	1
2.71	0.79	0.37		6.25	1.19	1.13	1
2.64	0.77	0.36		6.25	1.18	1.12	1
2.57	0.75	0.35		6.25	1.18	1.12	1
2.50	0.72	0.34		6.25	1.17	1.11	1
2.43	0.70	0.33		6.25	1.17	1.11	1
2.36	0.68	0.33		6.25	1.16	1.10	1
2.29	0.66	0.32		6.25	1.16	1.10	1
2.21	0.64	0.31		6.25	1.16	1.09	1
2.14	0.62	0.30		6.25	1.15	1.09	1
2.07	0.60	0.29		6.25	1.15	1.08	1
2.00	0.58	0.28		6.25	1.14	1.08	1
1.93	0.55	0.27		6.25	1.14	1.07	1
1.86	0.53	0.26		6.25	1.13	1.06	1
1.79	0.51	0.25		6.25	1.13	1.06	1
1.71	0.49	0.24		6.25	1.13	1.05	1
1.64	0.47	0.23		6.25	1.12	1.05	1
1.57	0.45	0.22		6.25	1.12	1.04	1
1.50	0.43	0.21		6.25	1.11	1.04	1
1.43	0.41	0.20		6.25	1.11	1.03	1
1.36	0.39	0.19		6.25	1.11	1.03	1
1.29	0.37	0.18		6.25	1.10	1.02	1
1.21	0.35	0.17		6.25	1.10	1.02	1
1.14	0.32	0.16		6.25	1.09	1.01	1

			b420.pso			
1.07	0.30	0.15	6.25	1.09	1.01	1
1.00	0.28	0.14	6.25	1.09	1.00	1
1.00	0.28	0.14	6.25	1.09	1.00	1
0.97	0.28	0.13	6.25	1.08	1.00	1
0.94	0.27	0.13	6.25	1.08	1.00	1
0.91	0.26	0.13	6.25	1.08	0.99	1
0.89	0.25	0.12	6.25	1.08	0.99	1
0.86	0.24	0.12	6.25	1.08	0.99	1
0.83	0.23	0.11	6.25	1.08	0.99	1
0.80	0.23	0.11	6.25	1.07	0.99	1
0.77	0.22	0.11	6.25	1.07	0.98	1
0.74	0.21	0.10	6.25	1.07	0.98	1
0.71	0.20	0.10	6.25	1.07	0.98	1
0.69	0.19	0.09	6.25	1.07	0.98	1
0.66	0.19	0.09	6.25	1.07	0.97	1
0.63	0.18	0.09	6.25	1.06	0.97	1
0.60	0.17	0.08	6.25	1.06	0.97	1
0.57	0.16	0.08	6.25	1.06	0.97	1
0.54	0.15	0.07	6.25	1.06	0.97	1
0.51	0.14	0.07	6.25	1.06	0.97	1
0.49	0.14	0.07	6.25	1.06	0.97	1
0.46	0.13	0.06	6.25	1.06	0.96	1
0.43	0.12	0.06	6.25	1.05	0.96	1
0.40	0.11	0.06	6.25	1.05	0.96	1
0.37	0.10	0.05	6.25	1.05	0.96	1
0.34	0.10	0.05	6.25	1.05	0.96	1
0.31	0.09	0.04	6.25	1.05	0.96	1
0.29	0.08	0.04	6.25	1.05	0.96	1
0.26	0.07	0.04	6.25	1.04	0.96	1
0.23	0.06	0.03	6.25	1.04	0.96	1
0.20	0.06	0.03	6.25	1.04	0.95	1
0.17	0.05	0.02	6.25	1.04	0.95	1
0.14	0.04	0.02	6.25	1.04	0.95	1
0.11	0.03	0.02	6.25	1.04	0.95	1
0.09	0.02	0.01	6.25	1.03	0.95	1
0.06	0.02	0.01	6.25	1.03	0.95	1
0.03	0.01	0.00	6.25	1.03	0.95	1
0.00	0.00	0.00	6.25	1.03	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.22	0.00	0.00	0.00	0.00	0.00	1
2.21	0.84	0.84	0.00	0.00	0.00	1
2.20	1.69	1.69	0.00	0.00	0.00	1
2.18	2.53	2.53	0.00	0.00	0.00	1
2.17	3.38	3.38	0.00	0.00	0.00	1
2.16	4.22	4.22	0.00	0.00	0.00	1
2.15	5.06	5.06	0.00	0.00	0.00	1
2.14	5.91	5.91	0.00	0.00	0.00	1
2.13	6.75	6.75	0.00	0.00	0.00	1
2.12	7.60	7.60	0.00	0.00	0.00	1
2.11	8.44	8.44	0.00	0.00	0.00	1
2.10	9.28	9.28	0.00	0.00	0.00	1
2.09	10.13	10.13	0.00	0.00	0.00	1
2.08	10.97	10.97	0.00	0.00	0.00	1
2.07	11.82	11.82	0.00	0.00	0.00	1
2.05	12.66	12.66	0.00	0.00	0.00	1
2.04	13.51	13.51	0.00	0.00	0.00	1
2.03	14.47	14.47	0.00	0.00	0.00	1
2.02	15.56	14.89	0.67	0.67	0.00	1
2.01	16.65	15.30	1.35	1.35	0.00	1

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2.00	17.73	15.71	2.01	2.01	0.00	1
1.99	18.81	16.13	2.68	2.68	0.00	1
1.98	19.89	16.54	3.35	3.35	0.00	1
1.97	20.96	16.95	4.01	4.01	0.00	1
1.96	22.03	17.37	4.67	4.67	0.00	1
1.95	23.10	17.78	5.33	5.33	0.00	1
1.94	24.17	18.19	5.98	5.98	0.00	1
1.93	25.24	18.60	6.64	6.63	0.00	1
1.92	26.30	19.00	7.30	7.28	0.02	1
1.91	27.36	19.39	7.97	7.93	0.04	1
1.90	28.42	19.78	8.65	8.58	0.07	1
1.89	29.48	20.15	9.33	9.22	0.11	1
1.88	30.53	20.51	10.02	9.86	0.16	1
1.86	31.59	20.87	10.72	10.50	0.21	1
1.85	32.64	21.22	11.42	11.14	0.28	1
1.84	33.69	21.56	12.13	11.78	0.35	1
1.84	33.69	21.56	12.13	11.78	0.35	1
1.82	36.30	22.41	13.89	13.36	0.53	1
1.79	38.90	23.22	15.68	14.92	0.75	1
1.77	41.49	23.99	17.50	16.48	1.01	1
1.74	44.07	24.73	19.34	18.03	1.31	1
1.72	46.64	25.93	20.70	19.56	1.14	1
1.70	49.20	27.35	21.84	21.09	0.75	1
1.67	51.74	28.69	23.06	22.61	0.45	1
1.65	54.29	29.94	24.35	24.11	0.24	1
1.62	56.82	31.11	25.70	25.61	0.09	1
1.60	59.34	32.22	27.12	27.11	0.01	1
1.57	61.86	33.27	28.59	28.59	0.00	1
1.55	64.37	34.30	30.07	30.07	0.00	1
1.53	66.88	35.28	31.60	31.54	0.06	1
1.50	69.38	36.21	33.17	33.01	0.16	1
1.48	71.87	37.09	34.78	34.47	0.31	1
1.46	74.36	37.94	36.42	35.92	0.50	1
1.43	76.84	38.74	38.10	37.37	0.73	1
1.41	79.31	39.51	39.80	38.81	0.99	1
1.39	81.78	40.25	41.54	40.25	1.28	1
1.37	84.25	40.96	43.29	41.68	1.61	1
1.34	86.71	41.64	45.07	43.11	1.96	1
1.32	89.17	42.30	46.87	44.54	2.34	1
1.30	91.62	42.93	48.69	45.96	2.73	1
1.27	94.07	43.54	50.53	47.37	3.15	1
1.25	96.52	44.14	52.38	48.78	3.59	1
1.23	98.96	44.71	54.24	50.19	4.05	1
1.21	101.39	45.27	56.12	51.60	4.53	1
1.18	103.83	45.81	58.01	53.00	5.01	1
1.16	106.26	46.34	59.91	54.39	5.52	1
1.14	108.68	46.86	61.82	55.79	6.03	1
1.12	111.11	47.37	63.74	57.18	6.56	1
1.09	113.53	47.86	65.67	58.56	7.10	1
1.07	115.94	48.34	67.60	59.95	7.65	1
1.05	118.35	48.82	69.54	61.33	8.21	1
1.03	120.76	49.28	71.48	62.71	8.77	1
1.03	120.76	49.28	71.48	62.71	8.77	1
1.01	123.17	49.75	73.42	64.08	9.34	1
0.98	125.58	50.43	75.14	65.45	9.69	1
0.96	127.98	51.38	76.60	66.82	9.78	1
0.94	130.37	52.30	78.07	68.18	9.89	1
0.92	132.77	53.22	79.55	69.55	10.00	1
0.90	135.16	54.13	81.03	70.91	10.13	1
0.88	137.55	55.02	82.53	72.26	10.27	1
0.85	139.94	55.91	84.03	73.62	10.41	1
0.83	142.32	56.79	85.53	74.97	10.57	1
0.81	144.70	57.66	87.05	76.31	10.73	1

			b420.pso			
0.79	147.08	58.52	88.56	77.66	10.90	1
0.77	149.45	59.37	90.08	79.00	11.08	1
0.75	151.83	60.22	91.61	80.34	11.27	1
0.72	154.20	61.06	93.14	81.68	11.46	1
0.70	156.56	61.89	94.67	83.01	11.66	1
0.68	158.93	62.72	96.21	84.34	11.87	1
0.66	161.29	63.54	97.75	85.67	12.08	1
0.64	163.65	64.36	99.29	87.00	12.29	1
0.62	166.01	65.17	100.84	88.32	12.51	1
0.60	168.36	65.98	102.38	89.64	12.74	1
0.58	170.71	66.78	103.93	90.96	12.97	1
0.55	173.06	67.58	105.48	92.28	13.20	1
0.53	175.41	68.38	107.03	93.59	13.44	1
0.51	177.75	69.17	108.58	94.90	13.67	1
0.49	180.09	69.96	110.13	96.21	13.92	1
0.47	182.43	70.75	111.68	97.52	14.16	1
0.45	184.77	71.54	113.23	98.82	14.41	1
0.43	187.10	72.32	114.78	100.12	14.66	1
0.41	189.43	73.10	116.33	101.42	14.91	1
0.39	191.76	73.88	117.88	102.72	15.16	1
0.37	194.09	74.66	119.42	104.01	15.42	1
0.35	196.41	75.44	120.97	105.30	15.67	1
0.32	198.73	76.21	122.52	106.59	15.93	1
0.30	201.05	76.99	124.06	107.87	16.19	1
0.28	203.37	77.76	125.60	109.16	16.44	1
0.28	203.37	77.76	125.60	109.16	16.44	1
0.28	204.29	78.07	126.22	109.67	16.55	1
0.27	205.22	78.38	126.83	110.18	16.65	1
0.26	206.14	78.69	127.45	110.69	16.75	1
0.25	207.07	79.00	128.06	111.21	16.86	1
0.24	207.99	79.31	128.68	111.72	16.96	1
0.23	208.91	79.62	129.29	112.23	17.06	1
0.23	209.84	79.93	129.91	112.74	17.17	1
0.22	210.76	80.24	130.52	113.25	17.27	1
0.21	211.68	80.55	131.13	113.76	17.38	1
0.20	212.61	80.86	131.75	114.27	17.48	1
0.19	213.53	81.17	132.36	114.78	17.58	1
0.19	214.45	81.48	132.97	115.28	17.69	1
0.18	215.37	81.79	133.58	115.79	17.79	1
0.17	216.29	82.10	134.19	116.30	17.89	1
0.16	217.21	82.41	134.80	116.81	18.00	1
0.15	218.13	82.72	135.41	117.31	18.10	1
0.14	219.05	83.03	136.02	117.82	18.20	1
0.14	219.97	83.34	136.63	118.33	18.31	1
0.13	220.89	83.65	137.24	118.83	18.41	1
0.12	221.81	83.96	137.85	119.34	18.51	1
0.11	222.72	84.27	138.46	119.84	18.62	1
0.10	223.64	84.58	139.07	120.35	18.72	1
0.10	224.56	84.89	139.67	120.85	18.82	1
0.09	225.48	85.20	140.28	121.35	18.93	1
0.08	226.39	85.51	140.88	121.86	19.03	1
0.07	227.31	85.82	141.49	122.36	19.13	1
0.06	228.22	86.13	142.09	122.86	19.23	1
0.06	229.14	86.44	142.70	123.36	19.34	1
0.05	230.05	86.75	143.30	123.87	19.44	1
0.04	230.97	87.06	143.91	124.37	19.54	1
0.03	231.88	87.37	144.51	124.87	19.64	1
0.02	232.80	87.68	145.11	125.37	19.74	1
0.02	233.71	88.00	145.71	125.87	19.84	1
0.01	234.62	88.31	146.31	126.37	19.95	1
0.00	235.53	88.62	146.91	126.87	20.05	1

Time = 270.

Degree of Consolidation = 98.0%

DRAFT

b420.pso

Total Settlement = 4.783

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 270. = 4.728

Settlement caused by Secondary Compression at time 270. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.47

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.19	0.97	6.25	1.75	1.75	1
6.97	2.18	0.96	6.25	1.75	1.75	1
6.94	2.17	0.96	6.25	1.75	1.75	1
6.91	2.16	0.95	6.25	1.75	1.75	1
6.89	2.15	0.95	6.25	1.75	1.75	1
6.86	2.14	0.95	6.25	1.75	1.75	1
6.83	2.13	0.94	6.25	1.75	1.75	1
6.80	2.12	0.94	6.25	1.75	1.75	1
6.77	2.11	0.93	6.25	1.75	1.75	1
6.74	2.10	0.93	6.25	1.75	1.75	1
6.71	2.09	0.93	6.25	1.75	1.75	1
6.69	2.08	0.92	6.25	1.75	1.75	1
6.66	2.06	0.92	6.25	1.75	1.75	1
6.63	2.05	0.91	6.25	1.75	1.75	1
6.60	2.04	0.91	6.25	1.75	1.75	1
6.57	2.03	0.91	6.25	1.75	1.75	1
6.54	2.02	0.90	6.25	1.75	1.75	1
6.51	2.01	0.90	6.25	1.75	1.75	1
6.49	2.00	0.89	6.25	1.74	1.74	1
6.46	1.99	0.89	6.25	1.73	1.73	1
6.43	1.98	0.89	6.25	1.72	1.72	1
6.40	1.97	0.88	6.25	1.71	1.71	1
6.37	1.96	0.88	6.25	1.70	1.70	1
6.34	1.95	0.87	6.25	1.69	1.69	1
6.31	1.94	0.87	6.25	1.68	1.68	1
6.29	1.93	0.87	6.25	1.67	1.67	1
6.26	1.91	0.86	6.25	1.66	1.66	1
6.23	1.90	0.86	6.25	1.65	1.65	1
6.20	1.89	0.86	6.25	1.64	1.64	1
6.17	1.88	0.85	6.25	1.63	1.63	1
6.14	1.87	0.85	6.25	1.62	1.62	1
6.11	1.86	0.84	6.25	1.61	1.61	1
6.09	1.85	0.84	6.25	1.60	1.60	1
6.06	1.84	0.84	6.25	1.60	1.59	1
6.03	1.83	0.83	6.25	1.59	1.58	1
6.00	1.82	0.83	6.25	1.58	1.57	1
6.00	1.82	0.83	6.25	1.58	1.57	1
5.93	1.80	0.82	6.25	1.56	1.55	1
5.86	1.77	0.81	6.25	1.54	1.52	1
5.79	1.75	0.80	6.25	1.52	1.50	1

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5.71	1.72	0.79	6.25	1.51	1.49	1
5.64	1.70	0.78	6.25	1.49	1.48	1
5.57	1.67	0.77	6.25	1.47	1.47	1
5.50	1.65	0.76	6.25	1.46	1.46	1
5.43	1.62	0.75	6.25	1.45	1.44	1
5.36	1.60	0.74	6.25	1.43	1.43	1
5.29	1.58	0.73	6.25	1.42	1.42	1
5.21	1.55	0.72	6.25	1.41	1.41	1
5.14	1.53	0.71	6.25	1.40	1.40	1
5.07	1.51	0.70	6.25	1.39	1.39	1
5.00	1.48	0.69	6.25	1.38	1.38	1
4.93	1.46	0.68	6.25	1.37	1.37	1
4.86	1.43	0.67	6.25	1.36	1.35	1
4.79	1.41	0.66	6.25	1.34	1.34	1
4.71	1.39	0.65	6.25	1.33	1.33	1
4.64	1.37	0.64	6.25	1.33	1.32	1
4.57	1.34	0.63	6.25	1.32	1.31	1
4.50	1.32	0.62	6.25	1.31	1.30	1
4.43	1.30	0.61	6.25	1.30	1.29	1
4.36	1.27	0.60	6.25	1.29	1.28	1
4.29	1.25	0.59	6.25	1.28	1.27	1
4.21	1.23	0.58	6.25	1.27	1.25	1
4.14	1.21	0.57	6.25	1.27	1.24	1
4.07	1.19	0.56	6.25	1.26	1.23	1
4.00	1.16	0.55	6.25	1.25	1.23	1
3.93	1.14	0.54	6.25	1.25	1.22	1
3.86	1.12	0.53	6.25	1.24	1.21	1
3.79	1.10	0.52	6.25	1.23	1.21	1
3.71	1.07	0.51	6.25	1.23	1.20	1
3.64	1.05	0.50	6.25	1.22	1.20	1
3.57	1.03	0.49	6.25	1.21	1.19	1
3.50	1.01	0.48	6.25	1.21	1.19	1
3.50	1.01	0.48	6.25	1.21	1.19	1
3.43	0.99	0.47	6.25	1.20	1.18	1
3.36	0.97	0.46	6.25	1.20	1.18	1
3.29	0.94	0.45	6.25	1.19	1.17	1
3.21	0.92	0.44	6.25	1.19	1.17	1
3.14	0.90	0.43	6.25	1.18	1.16	1
3.07	0.88	0.42	6.25	1.17	1.16	1
3.00	0.86	0.41	6.25	1.17	1.15	1
2.93	0.84	0.40	6.25	1.16	1.15	1
2.86	0.82	0.39	6.25	1.16	1.14	1
2.79	0.79	0.38	6.25	1.15	1.13	1
2.71	0.77	0.37	6.25	1.15	1.13	1
2.64	0.75	0.36	6.25	1.14	1.12	1
2.57	0.73	0.35	6.25	1.14	1.12	1
2.50	0.71	0.34	6.25	1.13	1.11	1
2.43	0.69	0.33	6.25	1.13	1.11	1
2.36	0.67	0.33	6.25	1.12	1.10	1
2.29	0.65	0.32	6.25	1.12	1.10	1
2.21	0.63	0.31	6.25	1.11	1.09	1
2.14	0.61	0.30	6.25	1.11	1.09	1
2.07	0.58	0.29	6.25	1.11	1.08	1
2.00	0.56	0.28	6.25	1.10	1.08	1
1.93	0.54	0.27	6.25	1.10	1.07	1
1.86	0.52	0.26	6.25	1.09	1.06	1
1.79	0.50	0.25	6.25	1.09	1.06	1
1.71	0.48	0.24	6.25	1.08	1.05	1
1.64	0.46	0.23	6.25	1.08	1.05	1
1.57	0.44	0.22	6.25	1.08	1.04	1
1.50	0.42	0.21	6.25	1.07	1.04	1
1.43	0.40	0.20	6.25	1.07	1.03	1
1.36	0.38	0.19	6.25	1.06	1.03	1

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1.29	0.36	0.18	6.25	1.06	1.02	1
1.21	0.34	0.17	6.25	1.06	1.02	1
1.14	0.32	0.16	6.25	1.05	1.01	1
1.07	0.30	0.15	6.25	1.05	1.01	1
1.00	0.28	0.14	6.25	1.04	1.00	1
1.00	0.28	0.14	6.25	1.04	1.00	1
0.97	0.27	0.13	6.25	1.04	1.00	1
0.94	0.26	0.13	6.25	1.04	1.00	1
0.91	0.25	0.13	6.25	1.04	0.99	1
0.89	0.25	0.12	6.25	1.04	0.99	1
0.86	0.24	0.12	6.25	1.04	0.99	1
0.83	0.23	0.11	6.25	1.03	0.99	1
0.80	0.22	0.11	6.25	1.03	0.99	1
0.77	0.21	0.11	6.25	1.03	0.98	1
0.74	0.21	0.10	6.25	1.03	0.98	1
0.71	0.20	0.10	6.25	1.03	0.98	1
0.69	0.19	0.09	6.25	1.03	0.98	1
0.66	0.18	0.09	6.25	1.02	0.97	1
0.63	0.17	0.09	6.25	1.02	0.97	1
0.60	0.17	0.08	6.25	1.02	0.97	1
0.57	0.16	0.08	6.25	1.02	0.97	1
0.54	0.15	0.07	6.25	1.02	0.97	1
0.51	0.14	0.07	6.25	1.02	0.97	1
0.49	0.13	0.07	6.25	1.02	0.97	1
0.46	0.13	0.06	6.25	1.01	0.96	1
0.43	0.12	0.06	6.25	1.01	0.96	1
0.40	0.11	0.06	6.25	1.01	0.96	1
0.37	0.10	0.05	6.25	1.01	0.96	1
0.34	0.09	0.05	6.25	1.01	0.96	1
0.31	0.09	0.04	6.25	1.01	0.96	1
0.29	0.08	0.04	6.25	1.01	0.96	1
0.26	0.07	0.04	6.25	1.00	0.96	1
0.23	0.06	0.03	6.25	1.00	0.96	1
0.20	0.06	0.03	6.25	1.00	0.95	1
0.17	0.05	0.02	6.25	1.00	0.95	1
0.14	0.04	0.02	6.25	1.00	0.95	1
0.11	0.03	0.02	6.25	1.00	0.95	1
0.09	0.02	0.01	6.25	0.99	0.95	1
0.06	0.02	0.01	6.25	0.99	0.95	1
0.03	0.01	0.00	6.25	0.99	0.95	1
0.00	0.00	0.00	6.25	0.99	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.19	0.00	0.00	0.00	0.00	0.00	1
2.18	0.84	0.84	0.00	0.00	0.00	1
2.17	1.69	1.69	0.00	0.00	0.00	1
2.16	2.53	2.53	0.00	0.00	0.00	1
2.15	3.38	3.38	0.00	0.00	0.00	1
2.14	4.22	4.22	0.00	0.00	0.00	1
2.13	5.06	5.06	0.00	0.00	0.00	1
2.12	5.91	5.91	0.00	0.00	0.00	1
2.11	6.75	6.75	0.00	0.00	0.00	1
2.10	7.60	7.60	0.00	0.00	0.00	1
2.09	8.44	8.44	0.00	0.00	0.00	1
2.08	9.28	9.28	0.00	0.00	0.00	1
2.06	10.13	10.13	0.00	0.00	0.00	1
2.05	10.97	10.97	0.00	0.00	0.00	1
2.04	11.82	11.82	0.00	0.00	0.00	1
2.03	12.66	12.66	0.00	0.00	0.00	1
2.02	13.51	13.51	0.00	0.00	0.00	1

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2.01	14.47	14.47	0.00	0.00	0.00	1
2.00	15.56	14.89	0.67	0.67	0.00	1
1.99	16.65	15.30	1.35	1.35	0.00	1
1.98	17.73	15.71	2.01	2.01	0.00	1
1.97	18.81	16.13	2.68	2.68	0.00	1
1.96	19.89	16.54	3.35	3.35	0.00	1
1.95	20.96	16.95	4.01	4.01	0.00	1
1.94	22.03	17.37	4.67	4.67	0.00	1
1.93	23.10	17.78	5.33	5.33	0.00	1
1.91	24.17	18.19	5.98	5.98	0.00	1
1.90	25.24	18.60	6.64	6.63	0.00	1
1.89	26.30	19.00	7.30	7.28	0.02	1
1.88	27.36	19.39	7.97	7.93	0.04	1
1.87	28.42	19.78	8.65	8.58	0.07	1
1.86	29.48	20.15	9.33	9.22	0.11	1
1.85	30.53	20.51	10.02	9.86	0.16	1
1.84	31.59	20.87	10.72	10.50	0.21	1
1.83	32.64	21.22	11.42	11.14	0.28	1
1.82	33.69	21.56	12.13	11.78	0.35	1
1.82	33.69	21.56	12.13	11.78	0.35	1
1.80	36.30	22.41	13.89	13.36	0.53	1
1.77	38.90	23.22	15.68	14.92	0.75	1
1.75	41.49	23.99	17.49	16.48	1.01	1
1.72	44.07	24.73	19.34	18.03	1.31	1
1.70	46.64	25.93	20.70	19.56	1.14	1
1.67	49.20	27.36	21.84	21.09	0.75	1
1.65	51.74	28.69	23.06	22.60	0.45	1
1.62	54.29	29.94	24.35	24.11	0.23	1
1.60	56.82	31.11	25.70	25.61	0.09	1
1.58	59.34	32.22	27.12	27.11	0.01	1
1.55	61.86	33.27	28.59	28.59	0.00	1
1.53	64.37	34.30	30.07	30.07	0.00	1
1.51	66.88	35.34	31.54	31.54	0.00	1
1.48	69.38	36.37	33.01	33.01	0.00	1
1.46	71.87	37.40	34.46	34.46	0.00	1
1.43	74.35	38.42	35.93	35.92	0.02	1
1.41	76.83	39.39	37.44	37.36	0.08	1
1.39	79.30	40.31	38.99	38.80	0.19	1
1.37	81.76	41.20	40.56	40.23	0.33	1
1.34	84.22	42.06	42.17	41.66	0.51	1
1.32	86.68	42.88	43.80	43.08	0.72	1
1.30	89.13	43.66	45.46	44.49	0.97	1
1.27	91.57	44.43	47.14	45.90	1.24	1
1.25	94.01	45.16	48.85	47.31	1.54	1
1.23	96.44	45.87	50.57	48.71	1.86	1
1.21	98.87	46.56	52.31	50.11	2.20	1
1.19	101.29	47.23	54.06	51.50	2.57	1
1.16	103.71	47.88	55.83	52.89	2.95	1
1.14	106.13	48.51	57.62	54.27	3.35	1
1.12	108.54	49.13	59.41	55.65	3.77	1
1.10	110.95	49.73	61.22	57.02	4.20	1
1.07	113.35	50.66	62.69	58.39	4.30	1
1.05	115.75	51.86	63.90	59.76	4.14	1
1.03	118.15	53.03	65.12	61.12	4.00	1
1.01	120.54	54.18	66.37	62.48	3.88	1
1.01	120.54	54.18	66.37	62.48	3.88	1
0.99	122.93	55.32	67.61	63.84	3.77	1
0.97	125.31	56.45	68.86	65.19	3.67	1
0.94	127.70	57.56	70.14	66.54	3.60	1
0.92	130.07	58.64	71.43	67.88	3.55	1
0.90	132.45	59.71	72.74	69.23	3.52	1
0.88	134.82	60.75	74.07	70.56	3.50	1
0.86	137.19	61.78	75.40	71.90	3.50	1

0.84	139.55	62.80	b420.pso	76.75	73.23	3.52	1
0.82	141.91	63.79		78.12	74.56	3.56	1
0.79	144.27	64.78		79.50	75.88	3.61	1
0.77	146.63	65.74		80.88	77.21	3.68	1
0.75	148.98	66.69		82.28	78.53	3.76	1
0.73	151.33	67.63		83.69	79.84	3.85	1
0.71	153.67	68.56		85.11	81.15	3.96	1
0.69	156.02	69.47		86.54	82.46	4.08	1
0.67	158.36	70.37		87.98	83.77	4.21	1
0.65	160.69	71.26		89.43	85.08	4.35	1
0.63	163.03	72.14		90.88	86.38	4.51	1
0.61	165.36	73.01		92.35	87.68	4.67	1
0.58	167.69	73.87		93.82	88.97	4.84	1
0.56	170.01	74.72		95.29	90.27	5.03	1
0.54	172.34	75.56		96.77	91.56	5.22	1
0.52	174.66	76.40		98.26	92.84	5.42	1
0.50	176.98	77.22		99.76	94.13	5.63	1
0.48	179.29	78.04		101.26	95.41	5.84	1
0.46	181.60	78.85		102.76	96.69	6.07	1
0.44	183.92	79.65		104.27	97.97	6.30	1
0.42	186.22	80.44		105.78	99.24	6.54	1
0.40	188.53	81.23		107.30	100.52	6.78	1
0.38	190.83	82.01		108.82	101.79	7.03	1
0.36	193.13	82.79		110.34	103.05	7.29	1
0.34	195.43	83.56		111.87	104.32	7.55	1
0.32	197.72	84.33		113.39	105.58	7.81	1
0.30	200.02	85.09		114.93	106.84	8.08	1
0.28	202.31	85.85		116.46	108.10	8.36	1
0.28	202.31	85.85		116.46	108.10	8.36	1
0.27	203.22	86.15		117.07	108.60	8.47	1
0.26	204.14	86.45		117.68	109.10	8.58	1
0.25	205.05	86.76		118.30	109.61	8.69	1
0.25	205.97	87.06		118.91	110.11	8.80	1
0.24	206.88	87.36		119.52	110.61	8.92	1
0.23	207.79	87.66		120.14	111.11	9.03	1
0.22	208.71	87.96		120.75	111.61	9.14	1
0.21	209.62	88.25		121.37	112.11	9.26	1
0.21	210.53	88.55		121.98	112.61	9.37	1
0.20	211.44	88.85		122.60	113.11	9.49	1
0.19	212.36	89.15		123.21	113.60	9.61	1
0.18	213.27	89.44		123.83	114.10	9.72	1
0.17	214.18	89.74		124.44	114.60	9.84	1
0.17	215.09	90.03		125.06	115.10	9.96	1
0.16	216.00	90.33		125.67	115.59	10.08	1
0.15	216.91	90.62		126.29	116.09	10.20	1
0.14	217.82	90.91		126.90	116.59	10.32	1
0.13	218.73	91.21		127.52	117.08	10.44	1
0.13	219.64	91.50		128.14	117.58	10.56	1
0.12	220.54	91.79		128.75	118.07	10.68	1
0.11	221.45	92.08		129.37	118.57	10.80	1
0.10	222.36	92.38		129.98	119.06	10.92	1
0.09	223.27	92.67		130.60	119.56	11.04	1
0.09	224.17	92.96		131.22	120.05	11.16	1
0.08	225.08	93.25		131.83	120.54	11.29	1
0.07	225.99	93.54		132.45	121.04	11.41	1
0.06	226.89	93.83		133.06	121.53	11.53	1
0.06	227.80	94.12		133.68	122.02	11.66	1
0.05	228.70	94.41		134.30	122.51	11.78	1
0.04	229.61	94.70		134.91	123.00	11.91	1
0.03	230.51	94.98		135.53	123.50	12.03	1
0.02	231.41	95.27		136.14	123.99	12.16	1
0.02	232.32	95.56		136.76	124.48	12.28	1
0.01	233.22	95.85		137.37	124.97	12.41	1

b420.pso

0.00	234.12	96.13	137.99	125.46	12.53	1
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Time = 365. Degree of Consolidation = 98.%

Total Settlement = 4.805

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 365. = 4.751

Settlement caused by Secondary Compression at time 365. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.44

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.10	0.93	6.25	1.75	1.75	1
6.74	2.09	0.93	6.25	1.75	1.75	1
6.71	2.08	0.93	6.25	1.75	1.75	1
6.69	2.07	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.97	0.89	6.25	1.72	1.72	1
6.40	1.96	0.88	6.25	1.71	1.71	1
6.37	1.95	0.88	6.25	1.70	1.70	1
6.34	1.94	0.87	6.25	1.69	1.69	1
6.31	1.93	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1
6.11	1.85	0.84	6.25	1.61	1.61	1
6.09	1.84	0.84	6.25	1.60	1.60	1
6.06	1.83	0.84	6.25	1.60	1.59	1
6.03	1.82	0.83	6.25	1.59	1.58	1
6.00	1.81	0.83	6.25	1.58	1.57	1
6.00	1.81	0.83	6.25	1.58	1.57	1

5.93	1.79	0.82	b420.pso	6.25	1.56	1.55	1
5.86	1.76	0.81		6.25	1.54	1.52	1
5.79	1.74	0.80		6.25	1.52	1.50	1
5.71	1.71	0.79		6.25	1.51	1.49	1
5.64	1.69	0.78		6.25	1.49	1.48	1
5.57	1.66	0.77		6.25	1.47	1.47	1
5.50	1.64	0.76		6.25	1.46	1.46	1
5.43	1.61	0.75		6.25	1.45	1.44	1
5.36	1.59	0.74		6.25	1.43	1.43	1
5.29	1.57	0.73		6.25	1.42	1.42	1
5.21	1.54	0.72		6.25	1.41	1.41	1
5.14	1.52	0.71		6.25	1.40	1.40	1
5.07	1.49	0.70		6.25	1.39	1.39	1
5.00	1.47	0.69		6.25	1.38	1.38	1
4.93	1.45	0.68		6.25	1.37	1.37	1
4.86	1.42	0.67		6.25	1.35	1.35	1
4.79	1.40	0.66		6.25	1.34	1.34	1
4.71	1.38	0.65		6.25	1.33	1.33	1
4.64	1.36	0.64		6.25	1.32	1.32	1
4.57	1.33	0.63		6.25	1.31	1.31	1
4.50	1.31	0.62		6.25	1.30	1.30	1
4.43	1.29	0.61		6.25	1.29	1.29	1
4.36	1.26	0.60		6.25	1.29	1.28	1
4.29	1.24	0.59		6.25	1.28	1.27	1
4.21	1.22	0.58		6.25	1.27	1.25	1
4.14	1.20	0.57		6.25	1.26	1.24	1
4.07	1.18	0.56		6.25	1.25	1.23	1
4.00	1.15	0.55		6.25	1.24	1.23	1
3.93	1.13	0.54		6.25	1.24	1.22	1
3.86	1.11	0.53		6.25	1.23	1.21	1
3.79	1.09	0.52		6.25	1.22	1.21	1
3.71	1.07	0.51		6.25	1.22	1.20	1
3.64	1.04	0.50		6.25	1.21	1.20	1
3.57	1.02	0.49		6.25	1.20	1.19	1
3.50	1.00	0.48		6.25	1.20	1.19	1
3.50	1.00	0.48		6.25	1.20	1.19	1
3.43	0.98	0.47		6.25	1.19	1.18	1
3.36	0.96	0.46		6.25	1.18	1.18	1
3.29	0.94	0.45		6.25	1.18	1.17	1
3.21	0.91	0.44		6.25	1.17	1.17	1
3.14	0.89	0.43		6.25	1.17	1.16	1
3.07	0.87	0.42		6.25	1.16	1.16	1
3.00	0.85	0.41		6.25	1.15	1.15	1
2.93	0.83	0.40		6.25	1.15	1.15	1
2.86	0.81	0.39		6.25	1.14	1.14	1
2.79	0.79	0.38		6.25	1.14	1.13	1
2.71	0.77	0.37		6.25	1.13	1.13	1
2.64	0.74	0.36		6.25	1.13	1.12	1
2.57	0.72	0.35		6.25	1.12	1.12	1
2.50	0.70	0.34		6.25	1.12	1.11	1
2.43	0.68	0.33		6.25	1.11	1.11	1
2.36	0.66	0.33		6.25	1.11	1.10	1
2.29	0.64	0.32		6.25	1.10	1.10	1
2.21	0.62	0.31		6.25	1.10	1.09	1
2.14	0.60	0.30		6.25	1.09	1.09	1
2.07	0.58	0.29		6.25	1.09	1.08	1
2.00	0.56	0.28		6.25	1.08	1.08	1
1.93	0.54	0.27		6.25	1.08	1.07	1
1.86	0.52	0.26		6.25	1.07	1.06	1
1.79	0.50	0.25		6.25	1.07	1.06	1
1.71	0.48	0.24		6.25	1.06	1.05	1
1.64	0.46	0.23		6.25	1.06	1.05	1
1.57	0.44	0.22		6.25	1.06	1.04	1

b420.pso

1.50	0.42	0.21	6.25	1.05	1.04	1
1.43	0.40	0.20	6.25	1.05	1.03	1
1.36	0.38	0.19	6.25	1.04	1.03	1
1.29	0.36	0.18	6.25	1.04	1.02	1
1.21	0.34	0.17	6.25	1.03	1.02	1
1.14	0.32	0.16	6.25	1.03	1.01	1
1.07	0.30	0.15	6.25	1.03	1.01	1
1.00	0.28	0.14	6.25	1.02	1.00	1
1.00	0.28	0.14	6.25	1.02	1.00	1
0.97	0.27	0.13	6.25	1.02	1.00	1
0.94	0.26	0.13	6.25	1.02	1.00	1
0.91	0.25	0.13	6.25	1.02	0.99	1
0.89	0.24	0.12	6.25	1.02	0.99	1
0.86	0.24	0.12	6.25	1.01	0.99	1
0.83	0.23	0.11	6.25	1.01	0.99	1
0.80	0.22	0.11	6.25	1.01	0.99	1
0.77	0.21	0.11	6.25	1.01	0.98	1
0.74	0.20	0.10	6.25	1.01	0.98	1
0.71	0.20	0.10	6.25	1.01	0.98	1
0.69	0.19	0.09	6.25	1.01	0.98	1
0.66	0.18	0.09	6.25	1.00	0.97	1
0.63	0.17	0.09	6.25	1.00	0.97	1
0.60	0.16	0.08	6.25	1.00	0.97	1
0.57	0.16	0.08	6.25	1.00	0.97	1
0.54	0.15	0.07	6.25	1.00	0.97	1
0.51	0.14	0.07	6.25	1.00	0.97	1
0.49	0.13	0.07	6.25	0.99	0.97	1
0.46	0.12	0.06	6.25	0.99	0.96	1
0.43	0.12	0.06	6.25	0.99	0.96	1
0.40	0.11	0.06	6.25	0.99	0.96	1
0.37	0.10	0.05	6.25	0.99	0.96	1
0.34	0.09	0.05	6.25	0.99	0.96	1
0.31	0.09	0.04	6.25	0.99	0.96	1
0.29	0.08	0.04	6.25	0.98	0.96	1
0.26	0.07	0.04	6.25	0.98	0.96	1
0.23	0.06	0.03	6.25	0.98	0.96	1
0.20	0.05	0.03	6.25	0.98	0.95	1
0.17	0.05	0.02	6.25	0.98	0.95	1
0.14	0.04	0.02	6.25	0.98	0.95	1
0.11	0.03	0.02	6.25	0.98	0.95	1
0.09	0.02	0.01	6.25	0.97	0.95	1
0.06	0.02	0.01	6.25	0.97	0.95	1
0.03	0.01	0.00	6.25	0.97	0.95	1
0.00	0.00	0.00	6.25	0.97	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.10	6.75	6.75	0.00	0.00	0.00	1
2.09	7.60	7.60	0.00	0.00	0.00	1
2.08	8.44	8.44	0.00	0.00	0.00	1
2.07	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1

			b420.pso			
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.97	17.73	15.71	2.01	2.01	0.00	1
1.96	18.81	16.13	2.68	2.68	0.00	1
1.95	19.89	16.54	3.35	3.35	0.00	1
1.94	20.96	16.95	4.01	4.01	0.00	1
1.93	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.79	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.74	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.69	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.64	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.57	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.52	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.45	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.47	38.83	38.80	0.03	1
1.36	81.76	41.43	40.34	40.23	0.11	1
1.33	84.22	42.35	41.87	41.65	0.22	1
1.31	86.67	43.23	43.44	43.07	0.37	1
1.29	89.12	44.08	45.03	44.49	0.55	1
1.26	91.56	44.91	46.65	45.89	0.76	1
1.24	93.99	45.70	48.29	47.30	1.00	1
1.22	96.42	46.47	49.95	48.69	1.26	1
1.20	98.85	47.22	51.63	50.08	1.55	1
1.18	101.27	47.94	53.32	51.47	1.85	1
1.15	103.68	48.65	55.04	52.85	2.18	1
1.13	106.09	49.33	56.76	54.23	2.53	1
1.11	108.50	50.00	58.50	55.60	2.89	1
1.09	110.90	51.36	59.54	56.97	2.57	1
1.07	113.30	52.69	60.61	58.34	2.27	1
1.04	115.69	53.99	61.70	59.70	2.01	1
1.02	118.08	55.26	62.82	61.05	1.77	1
1.00	120.46	56.50	63.96	62.41	1.56	1
1.00	120.46	56.50	63.96	62.41	1.56	1
0.98	122.85	57.75	65.10	63.75	1.34	1
0.96	125.22	58.97	66.25	65.10	1.15	1
0.94	127.60	60.17	67.43	66.44	0.99	1
0.91	129.97	61.34	68.63	67.78	0.85	1

0.89	132.33	62.49	b420.pso	69.11	0.73	1
0.87	134.69	63.62	69.84	70.44	0.64	1
0.85	137.05	64.73	71.07	71.76	0.56	1
0.83	139.41	65.82	72.32	73.09	0.50	1
0.81	141.76	66.89	73.59	74.40	0.47	1
0.79	144.11	67.94	74.87	75.72	0.45	1
0.77	146.45	68.97	76.17	77.03	0.45	1
0.74	148.79	69.99	77.48	78.34	0.46	1
0.72	151.13	70.99	78.80	79.65	0.49	1
0.70	153.47	71.98	80.14	80.95	0.54	1
0.68	155.80	72.95	81.49	82.25	0.61	1
0.66	158.13	73.90	82.85	83.54	0.68	1
0.64	160.45	74.84	84.23	84.84	0.78	1
0.62	162.78	75.77	85.61	86.13	0.88	1
0.60	165.10	76.68	87.01	87.41	1.00	1
0.58	167.41	77.58	88.41	88.70	1.13	1
0.56	169.73	78.47	89.83	89.98	1.28	1
0.54	172.04	79.35	91.25	91.26	1.43	1
0.52	174.35	80.22	92.69	92.53	1.60	1
0.50	176.65	81.07	94.13	93.81	1.78	1
0.48	178.96	81.92	95.58	95.08	1.96	1
0.46	181.26	82.75	97.04	96.34	2.16	1
0.44	183.55	83.58	98.51	97.61	2.37	1
0.42	185.85	84.39	99.98	98.87	2.59	1
0.40	188.14	85.20	101.46	100.13	2.81	1
0.38	190.43	86.00	102.94	101.39	3.05	1
0.36	192.72	86.79	104.43	102.64	3.29	1
0.34	195.00	87.57	105.93	103.89	3.54	1
0.32	197.29	88.34	107.43	105.14	3.80	1
0.30	199.57	89.11	108.94	106.39	4.06	1
0.28	201.84	89.87	110.46	107.64	4.34	1
0.28	201.84	89.87	111.97	107.64	4.34	1
0.27	202.75	90.17	111.97	108.13	4.45	1
0.26	203.66	90.48	112.58	108.63	4.56	1
0.25	204.57	90.78	113.19	109.13	4.67	1
0.24	205.48	91.08	113.79	109.62	4.78	1
0.24	206.39	91.38	114.40	110.12	4.89	1
0.23	207.30	91.68	115.01	110.61	5.01	1
0.22	208.21	91.98	115.62	111.11	5.12	1
0.21	209.12	92.27	116.23	111.60	5.24	1
0.20	210.02	92.57	116.84	112.10	5.36	1
0.20	210.93	92.86	117.45	112.59	5.47	1
0.19	211.84	93.16	118.06	113.08	5.59	1
0.18	212.74	93.45	118.68	113.58	5.71	1
0.17	213.65	93.74	119.29	114.07	5.83	1
0.16	214.55	94.04	119.90	114.56	5.96	1
0.16	215.46	94.33	120.52	115.05	6.08	1
0.15	216.36	94.62	121.13	115.55	6.20	1
0.14	217.27	94.90	121.75	116.04	6.33	1
0.13	218.17	95.19	122.36	116.53	6.45	1
0.12	219.07	95.48	122.98	117.02	6.58	1
0.12	219.98	95.77	123.59	117.51	6.70	1
0.11	220.88	96.05	124.21	118.00	6.83	1
0.10	221.78	96.34	124.83	118.49	6.96	1
0.09	222.69	96.62	125.45	118.98	7.09	1
0.09	223.59	96.90	126.06	119.46	7.22	1
0.08	224.49	97.19	126.68	119.95	7.35	1
0.07	225.39	97.47	127.30	120.44	7.48	1
0.06	226.29	97.75	127.92	120.93	7.61	1
0.05	227.19	98.03	128.54	121.41	7.74	1
0.05	228.09	98.31	129.16	121.90	7.88	1
0.04	228.99	98.59	129.78	122.39	8.01	1
0.03	229.89	98.87	130.40	122.87	8.15	1
			131.02			

			b420.pso			
0.02	230.79	99.15	131.64	123.36	8.28	1
0.02	231.69	99.42	132.26	123.85	8.42	1
0.01	232.58	99.70	132.88	124.33	8.55	1
0.00	233.48	99.98	133.51	124.81	8.69	1

Time = 455. Degree of Consolidation = 99.0%

Total Settlement = 4.816

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 455. = 4.761

Settlement caused by Secondary Compression at time 455. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1
6.11	1.85	0.84	6.25	1.61	1.61	1
6.09	1.84	0.84	6.25	1.60	1.60	1
6.06	1.83	0.84	6.25	1.60	1.59	1

			b420.pso			
6.03	1.82	0.83	6.25	1.59	1.58	1
6.00	1.81	0.83	6.25	1.58	1.57	1
6.00	1.81	0.83	6.25	1.58	1.57	1
5.93	1.78	0.82	6.25	1.56	1.55	1
5.86	1.76	0.81	6.25	1.54	1.52	1
5.79	1.73	0.80	6.25	1.52	1.50	1
5.71	1.71	0.79	6.25	1.51	1.49	1
5.64	1.68	0.78	6.25	1.49	1.48	1
5.57	1.66	0.77	6.25	1.47	1.47	1
5.50	1.63	0.76	6.25	1.46	1.46	1
5.43	1.61	0.75	6.25	1.45	1.44	1
5.36	1.59	0.74	6.25	1.43	1.43	1
5.29	1.56	0.73	6.25	1.42	1.42	1
5.21	1.54	0.72	6.25	1.41	1.41	1
5.14	1.51	0.71	6.25	1.40	1.40	1
5.07	1.49	0.70	6.25	1.39	1.39	1
5.00	1.47	0.69	6.25	1.38	1.38	1
4.93	1.44	0.68	6.25	1.37	1.37	1
4.86	1.42	0.67	6.25	1.35	1.35	1
4.79	1.40	0.66	6.25	1.34	1.34	1
4.71	1.38	0.65	6.25	1.33	1.33	1
4.64	1.35	0.64	6.25	1.32	1.32	1
4.57	1.33	0.63	6.25	1.31	1.31	1
4.50	1.31	0.62	6.25	1.30	1.30	1
4.43	1.28	0.61	6.25	1.29	1.29	1
4.36	1.26	0.60	6.25	1.28	1.28	1
4.29	1.24	0.59	6.25	1.28	1.27	1
4.21	1.22	0.58	6.25	1.27	1.25	1
4.14	1.19	0.57	6.25	1.26	1.24	1
4.07	1.17	0.56	6.25	1.25	1.23	1
4.00	1.15	0.55	6.25	1.24	1.23	1
3.93	1.13	0.54	6.25	1.24	1.22	1
3.86	1.11	0.53	6.25	1.23	1.21	1
3.79	1.08	0.52	6.25	1.22	1.21	1
3.71	1.06	0.51	6.25	1.21	1.20	1
3.64	1.04	0.50	6.25	1.21	1.20	1
3.57	1.02	0.49	6.25	1.20	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.43	0.98	0.47	6.25	1.19	1.18	1
3.36	0.95	0.46	6.25	1.18	1.18	1
3.29	0.93	0.45	6.25	1.17	1.17	1
3.21	0.91	0.44	6.25	1.17	1.17	1
3.14	0.89	0.43	6.25	1.16	1.16	1
3.07	0.87	0.42	6.25	1.16	1.16	1
3.00	0.85	0.41	6.25	1.15	1.15	1
2.93	0.83	0.40	6.25	1.15	1.15	1
2.86	0.80	0.39	6.25	1.14	1.14	1
2.79	0.78	0.38	6.25	1.13	1.13	1
2.71	0.76	0.37	6.25	1.13	1.13	1
2.64	0.74	0.36	6.25	1.12	1.12	1
2.57	0.72	0.35	6.25	1.12	1.12	1
2.50	0.70	0.34	6.25	1.11	1.11	1
2.43	0.68	0.33	6.25	1.11	1.11	1
2.36	0.66	0.33	6.25	1.10	1.10	1
2.29	0.64	0.32	6.25	1.10	1.10	1
2.21	0.62	0.31	6.25	1.09	1.09	1
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.08	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1

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1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1

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2.06	9.28	9.28	0.00	0.00	0.00	1	
2.05	10.13	10.13	0.00	0.00	0.00	1	
2.04	10.97	10.97	0.00	0.00	0.00	1	
2.03	11.82	11.82	0.00	0.00	0.00	1	
2.02	12.66	12.66	0.00	0.00	0.00	1	
2.01	13.51	13.51	0.00	0.00	0.00	1	
2.00	14.47	14.47	0.00	0.00	0.00	1	
1.99	15.56	14.89	0.67	0.67	0.00	1	
1.98	16.65	15.30	1.35	1.35	0.00	1	
1.96	17.73	15.71	2.01	2.01	0.00	1	
1.95	18.81	16.13	2.68	2.68	0.00	1	
1.94	19.89	16.54	3.35	3.35	0.00	1	
1.93	20.96	16.95	4.01	4.01	0.00	1	
1.92	22.03	17.37	4.67	4.67	0.00	1	
1.91	23.10	17.78	5.33	5.33	0.00	1	
1.90	24.17	18.19	5.98	5.98	0.00	1	
1.89	25.24	18.60	6.64	6.63	0.00	1	
1.88	26.30	19.00	7.30	7.28	0.02	1	
1.87	27.36	19.39	7.97	7.93	0.04	1	
1.86	28.42	19.78	8.65	8.58	0.07	1	
1.85	29.48	20.15	9.33	9.22	0.11	1	
1.84	30.53	20.51	10.02	9.86	0.16	1	
1.83	31.59	20.87	10.72	10.50	0.21	1	
1.82	32.64	21.22	11.42	11.14	0.28	1	
1.81	33.69	21.56	12.13	11.78	0.35	1	
1.81	33.69	21.56	12.13	11.78	0.35	1	
1.78	36.30	22.41	13.89	13.36	0.53	1	
1.76	38.90	23.22	15.68	14.92	0.75	1	
1.73	41.49	23.99	17.49	16.48	1.01	1	
1.71	44.07	24.73	19.34	18.03	1.31	1	
1.68	46.64	25.93	20.70	19.56	1.14	1	
1.66	49.20	27.36	21.84	21.09	0.75	1	
1.63	51.74	28.69	23.06	22.60	0.45	1	
1.61	54.29	29.94	24.35	24.11	0.23	1	
1.59	56.82	31.11	25.70	25.61	0.09	1	
1.56	59.34	32.22	27.12	27.11	0.01	1	
1.54	61.86	33.27	28.59	28.59	0.00	1	
1.51	64.37	34.30	30.07	30.07	0.00	1	
1.49	66.88	35.34	31.54	31.54	0.00	1	
1.47	69.38	36.37	33.01	33.01	0.00	1	
1.44	71.87	37.40	34.46	34.46	0.00	1	
1.42	74.35	38.44	35.92	35.92	0.00	1	
1.40	76.83	39.47	37.36	37.36	0.00	1	
1.38	79.30	40.49	38.81	38.80	0.02	1	
1.35	81.76	41.46	40.30	40.23	0.07	1	
1.33	84.22	42.40	41.82	41.65	0.17	1	
1.31	86.67	43.30	43.37	43.07	0.30	1	
1.28	89.12	44.16	44.95	44.48	0.47	1	
1.26	91.56	45.00	46.55	45.89	0.66	1	
1.24	93.99	45.81	48.18	47.29	0.89	1	
1.22	96.42	46.59	49.83	48.69	1.14	1	
1.19	98.84	47.35	51.49	50.08	1.41	1	
1.17	101.26	48.09	53.18	51.47	1.71	1	
1.15	103.68	48.80	54.88	52.85	2.03	1	
1.13	106.09	49.50	56.59	54.22	2.36	1	
1.11	108.49	50.36	58.13	55.60	2.53	1	
1.08	110.89	51.74	59.15	56.96	2.19	1	
1.06	113.29	53.09	60.20	58.33	1.88	1	
1.04	115.68	54.40	61.28	59.69	1.59	1	
1.02	118.07	55.68	62.38	61.04	1.34	1	
1.00	120.45	56.94	63.51	62.39	1.12	1	
1.00	120.45	56.94	63.51	62.39	1.12	1	
0.98	122.83	58.20	64.63	63.74	0.89	1	

			b420.pso			
0.95	125.21	59.43	65.78	65.08	0.70	1
0.93	127.58	60.63	66.95	66.42	0.53	1
0.91	129.94	61.81	68.14	67.75	0.38	1
0.89	132.31	62.96	69.35	69.09	0.26	1
0.87	134.67	64.09	70.58	70.41	0.16	1
0.85	137.03	65.20	71.83	71.74	0.09	1
0.83	139.38	66.28	73.10	73.06	0.04	1
0.80	141.73	67.35	74.38	74.38	0.01	1
0.78	144.08	68.39	75.69	75.69	0.00	1
0.76	146.42	69.42	77.00	77.00	0.00	1
0.74	148.76	70.45	78.31	78.31	0.00	1
0.72	151.10	71.49	79.61	79.61	0.00	1
0.70	153.43	72.52	80.91	80.91	0.00	1
0.68	155.76	73.55	82.21	82.21	0.00	1
0.66	158.09	74.58	83.50	83.50	0.00	1
0.64	160.41	75.62	84.79	84.79	0.00	1
0.62	162.73	76.64	86.09	86.08	0.01	1
0.60	165.05	77.65	87.40	87.37	0.04	1
0.58	167.36	78.64	88.73	88.65	0.08	1
0.56	169.67	79.61	90.07	89.92	0.14	1
0.54	171.98	80.56	91.42	91.20	0.22	1
0.51	174.28	81.50	92.78	92.47	0.31	1
0.49	176.59	82.43	94.16	93.74	0.42	1
0.47	178.88	83.34	95.54	95.01	0.54	1
0.45	181.18	84.24	96.94	96.27	0.68	1
0.43	183.47	85.12	98.35	97.53	0.83	1
0.41	185.76	85.99	99.77	98.79	0.99	1
0.39	188.05	86.85	101.21	100.04	1.17	1
0.37	190.34	87.69	102.65	101.29	1.35	1
0.35	192.62	88.52	104.10	102.54	1.56	1
0.33	194.90	89.34	105.56	103.79	1.77	1
0.31	197.17	90.15	107.02	105.03	1.99	1
0.29	199.45	90.95	108.50	106.27	2.23	1
0.27	201.72	91.73	109.99	107.51	2.48	1
0.27	201.72	91.73	109.99	107.51	2.48	1
0.27	202.63	92.05	110.58	108.01	2.57	1
0.26	203.54	92.36	111.18	108.50	2.68	1
0.25	204.44	92.67	111.77	108.99	2.78	1
0.24	205.35	92.98	112.37	109.49	2.88	1
0.23	206.26	93.29	112.97	109.98	2.99	1
0.23	207.16	93.59	113.57	110.47	3.09	1
0.22	208.07	93.90	114.17	110.97	3.20	1
0.21	208.97	94.20	114.77	111.46	3.31	1
0.20	209.88	94.50	115.37	111.95	3.42	1
0.19	210.78	94.80	115.98	112.44	3.54	1
0.19	211.69	95.10	116.58	112.93	3.65	1
0.18	212.59	95.40	117.19	113.42	3.77	1
0.17	213.49	95.69	117.80	113.91	3.89	1
0.16	214.40	95.99	118.41	114.40	4.00	1
0.16	215.30	96.28	119.02	114.89	4.13	1
0.15	216.20	96.57	119.63	115.38	4.25	1
0.14	217.10	96.86	120.24	115.87	4.37	1
0.13	218.00	97.15	120.85	116.36	4.50	1
0.12	218.90	97.44	121.47	116.85	4.62	1
0.12	219.80	97.72	122.08	117.33	4.75	1
0.11	220.70	98.01	122.70	117.82	4.88	1
0.10	221.60	98.29	123.32	118.31	5.01	1
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.41	1
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.68	126.42	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.82	1

			b420.pso			
0.05	227.89	100.46	127.43	121.71	5.72	1
0.04	228.79	101.01	127.78	122.19	5.59	1
0.03	229.69	101.55	128.14	122.67	5.46	1
0.02	230.58	102.09	128.49	123.16	5.33	1
0.02	231.48	102.63	128.85	123.64	5.21	1
0.01	232.38	103.17	129.21	124.12	5.09	1
0.00	233.27	103.70	129.57	124.60	4.97	1

Time = 730. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 730. = 4.765

Settlement caused by Secondary Compression at time 730. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1

6.11	1.85	0.84	b420.pso	6.25	1.61	1.61	1
6.09	1.84	0.84		6.25	1.60	1.60	1
6.06	1.83	0.84		6.25	1.60	1.59	1
6.03	1.82	0.83		6.25	1.59	1.58	1
6.00	1.81	0.83		6.25	1.58	1.57	1
6.00	1.81	0.83		6.25	1.58	1.57	1
5.93	1.78	0.82		6.25	1.56	1.55	1
5.86	1.76	0.81		6.25	1.54	1.52	1
5.79	1.73	0.80		6.25	1.52	1.50	1
5.71	1.71	0.79		6.25	1.51	1.49	1
5.64	1.68	0.78		6.25	1.49	1.48	1
5.57	1.66	0.77		6.25	1.47	1.47	1
5.50	1.63	0.76		6.25	1.46	1.46	1
5.43	1.61	0.75		6.25	1.45	1.44	1
5.36	1.59	0.74		6.25	1.43	1.43	1
5.29	1.56	0.73		6.25	1.42	1.42	1
5.21	1.54	0.72		6.25	1.41	1.41	1
5.14	1.51	0.71		6.25	1.40	1.40	1
5.07	1.49	0.70		6.25	1.39	1.39	1
5.00	1.47	0.69		6.25	1.38	1.38	1
4.93	1.44	0.68		6.25	1.37	1.37	1
4.86	1.42	0.67		6.25	1.35	1.35	1
4.79	1.40	0.66		6.25	1.34	1.34	1
4.71	1.38	0.65		6.25	1.33	1.33	1
4.64	1.35	0.64		6.25	1.32	1.32	1
4.57	1.33	0.63		6.25	1.31	1.31	1
4.50	1.31	0.62		6.25	1.30	1.30	1
4.43	1.28	0.61		6.25	1.29	1.29	1
4.36	1.26	0.60		6.25	1.28	1.28	1
4.29	1.24	0.59		6.25	1.28	1.27	1
4.21	1.22	0.58		6.25	1.27	1.25	1
4.14	1.19	0.57		6.25	1.26	1.24	1
4.07	1.17	0.56		6.25	1.25	1.23	1
4.00	1.15	0.55		6.25	1.24	1.23	1
3.93	1.13	0.54		6.25	1.24	1.22	1
3.86	1.11	0.53		6.25	1.23	1.21	1
3.79	1.08	0.52		6.25	1.22	1.21	1
3.71	1.06	0.51		6.25	1.21	1.20	1
3.64	1.04	0.50		6.25	1.21	1.20	1
3.57	1.02	0.49		6.25	1.20	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.43	0.98	0.47		6.25	1.19	1.18	1
3.36	0.95	0.46		6.25	1.18	1.18	1
3.29	0.93	0.45		6.25	1.17	1.17	1
3.21	0.91	0.44		6.25	1.17	1.17	1
3.14	0.89	0.43		6.25	1.16	1.16	1
3.07	0.87	0.42		6.25	1.16	1.16	1
3.00	0.85	0.41		6.25	1.15	1.15	1
2.93	0.83	0.40		6.25	1.15	1.15	1
2.86	0.80	0.39		6.25	1.14	1.14	1
2.79	0.78	0.38		6.25	1.13	1.13	1
2.71	0.76	0.37		6.25	1.13	1.13	1
2.64	0.74	0.36		6.25	1.12	1.12	1
2.57	0.72	0.35		6.25	1.12	1.12	1
2.50	0.70	0.34		6.25	1.11	1.11	1
2.43	0.68	0.33		6.25	1.11	1.11	1
2.36	0.66	0.33		6.25	1.10	1.10	1
2.29	0.64	0.32		6.25	1.10	1.10	1
2.21	0.62	0.31		6.25	1.09	1.09	1
2.14	0.60	0.30		6.25	1.09	1.09	1
2.07	0.58	0.29		6.25	1.08	1.08	1
2.00	0.56	0.28		6.25	1.08	1.08	1

			b420.pso			
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1

			b420.pso			
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1
2.06	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.96	17.73	15.71	2.01	2.01	0.00	1
1.95	18.81	16.13	2.68	2.68	0.00	1
1.94	19.89	16.54	3.35	3.35	0.00	1
1.93	20.96	16.95	4.01	4.01	0.00	1
1.92	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.78	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.73	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.68	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.63	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.56	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.51	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.44	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.49	38.81	38.80	0.02	1
1.35	81.76	41.46	40.30	40.23	0.07	1
1.33	84.22	42.40	41.82	41.65	0.17	1
1.31	86.67	43.30	43.37	43.07	0.30	1
1.28	89.12	44.16	44.95	44.48	0.47	1
1.26	91.56	45.00	46.55	45.89	0.66	1
1.24	93.99	45.81	48.18	47.29	0.89	1
1.22	96.42	46.59	49.83	48.69	1.14	1
1.19	98.84	47.35	51.49	50.08	1.41	1
1.17	101.26	48.09	53.18	51.47	1.71	1
1.15	103.68	48.80	54.88	52.85	2.03	1
1.13	106.09	49.50	56.59	54.22	2.36	1
1.11	108.49	50.36	58.13	55.60	2.53	1
1.08	110.89	51.74	59.15	56.96	2.19	1
1.06	113.29	53.09	60.20	58.33	1.88	1
1.04	115.68	54.40	61.28	59.69	1.59	1
1.02	118.07	55.68	62.38	61.04	1.34	1

1.00	120.45	56.94	63.51	62.39	1.12	1
1.00	120.45	56.94	63.51	62.39	1.12	1
0.98	122.83	58.20	64.63	63.74	0.89	1
0.95	125.21	59.43	65.78	65.08	0.70	1
0.93	127.58	60.63	66.95	66.42	0.53	1
0.91	129.94	61.81	68.14	67.75	0.38	1
0.89	132.31	62.96	69.35	69.09	0.26	1
0.87	134.67	64.09	70.58	70.41	0.16	1
0.85	137.03	65.20	71.83	71.74	0.09	1
0.83	139.38	66.28	73.10	73.06	0.04	1
0.80	141.73	67.35	74.38	74.38	0.01	1
0.78	144.08	68.39	75.69	75.69	0.00	1
0.76	146.42	69.42	77.00	77.00	0.00	1
0.74	148.76	70.45	78.31	78.31	0.00	1
0.72	151.10	71.49	79.61	79.61	0.00	1
0.70	153.43	72.52	80.91	80.91	0.00	1
0.68	155.76	73.55	82.21	82.21	0.00	1
0.66	158.09	74.58	83.50	83.50	0.00	1
0.64	160.41	75.62	84.79	84.79	0.00	1
0.62	162.73	76.64	86.09	86.08	0.01	1
0.60	165.05	77.65	87.40	87.37	0.04	1
0.58	167.36	78.64	88.73	88.65	0.08	1
0.56	169.67	79.61	90.06	89.92	0.14	1
0.54	171.98	80.56	91.42	91.20	0.22	1
0.51	174.28	81.51	92.78	92.47	0.31	1
0.49	176.59	82.43	94.16	93.74	0.42	1
0.47	178.88	83.34	95.54	95.01	0.54	1
0.45	181.18	84.24	96.94	96.27	0.67	1
0.43	183.47	85.12	98.35	97.53	0.82	1
0.41	185.76	85.99	99.77	98.79	0.99	1
0.39	188.05	86.85	101.20	100.04	1.16	1
0.37	190.34	87.69	102.64	101.29	1.35	1
0.35	192.62	88.52	104.09	102.54	1.55	1
0.33	194.90	89.34	105.55	103.79	1.77	1
0.31	197.17	90.15	107.02	105.03	1.99	1
0.29	199.45	90.95	108.50	106.27	2.23	1
0.27	201.72	91.73	109.99	107.51	2.47	1
0.27	201.72	91.73	109.99	107.51	2.47	1
0.27	202.63	92.05	110.58	108.01	2.57	1
0.26	203.53	92.36	111.17	108.50	2.67	1
0.25	204.44	92.67	111.77	108.99	2.77	1
0.24	205.35	92.98	112.37	109.49	2.88	1
0.23	206.26	93.29	112.97	109.98	2.98	1
0.23	207.16	93.60	113.57	110.47	3.09	1
0.22	208.07	93.90	114.17	110.97	3.20	1
0.21	208.97	94.20	114.77	111.46	3.31	1
0.20	209.88	94.50	115.37	111.95	3.42	1
0.19	210.78	94.80	115.98	112.44	3.53	1
0.19	211.69	95.10	116.58	112.93	3.65	1
0.18	212.59	95.40	117.19	113.42	3.77	1
0.17	213.49	95.70	117.80	113.91	3.88	1
0.16	214.39	95.99	118.41	114.40	4.00	1
0.16	215.30	96.28	119.02	114.89	4.12	1
0.15	216.20	96.57	119.63	115.38	4.24	1
0.14	217.10	96.86	120.24	115.87	4.37	1
0.13	218.00	97.15	120.85	116.36	4.49	1
0.12	218.90	97.44	121.47	116.85	4.62	1
0.12	219.80	97.72	122.08	117.33	4.75	1
0.11	220.70	98.01	122.70	117.82	4.88	1
0.10	221.60	98.29	123.31	118.31	5.01	1
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.40	1

b420.pso

			b420.pso			
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.69	126.41	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.81	1
0.05	227.89	100.47	127.42	121.71	5.72	1
0.04	228.79	101.02	127.78	122.19	5.59	1
0.03	229.69	101.56	128.13	122.67	5.46	1
0.02	230.58	102.10	128.49	123.16	5.33	1
0.02	231.48	102.64	128.84	123.64	5.20	1
0.01	232.38	103.17	129.20	124.12	5.08	1
0.00	233.27	103.71	129.56	124.60	4.96	1

Time = 1095. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 1095. = 4.765

Settlement caused by Secondary Compression at time 1095. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1

6.20	1.88	0.86	b420.pso	6.25	1.64	1.64	1
6.17	1.87	0.85		6.25	1.63	1.63	1
6.14	1.86	0.85		6.25	1.62	1.62	1
6.11	1.85	0.84		6.25	1.61	1.61	1
6.09	1.84	0.84		6.25	1.60	1.60	1
6.06	1.83	0.84		6.25	1.60	1.59	1
6.03	1.82	0.83		6.25	1.59	1.58	1
6.00	1.81	0.83		6.25	1.58	1.57	1
6.00	1.81	0.83		6.25	1.58	1.57	1
5.93	1.78	0.82		6.25	1.56	1.55	1
5.86	1.76	0.81		6.25	1.54	1.52	1
5.79	1.73	0.80		6.25	1.52	1.50	1
5.71	1.71	0.79		6.25	1.51	1.49	1
5.64	1.68	0.78		6.25	1.49	1.48	1
5.57	1.66	0.77		6.25	1.47	1.47	1
5.50	1.63	0.76		6.25	1.46	1.46	1
5.43	1.61	0.75		6.25	1.45	1.44	1
5.36	1.59	0.74		6.25	1.43	1.43	1
5.29	1.56	0.73		6.25	1.42	1.42	1
5.21	1.54	0.72		6.25	1.41	1.41	1
5.14	1.51	0.71		6.25	1.40	1.40	1
5.07	1.49	0.70		6.25	1.39	1.39	1
5.00	1.47	0.69		6.25	1.38	1.38	1
4.93	1.44	0.68		6.25	1.37	1.37	1
4.86	1.42	0.67		6.25	1.35	1.35	1
4.79	1.40	0.66		6.25	1.34	1.34	1
4.71	1.38	0.65		6.25	1.33	1.33	1
4.64	1.35	0.64		6.25	1.32	1.32	1
4.57	1.33	0.63		6.25	1.31	1.31	1
4.50	1.31	0.62		6.25	1.30	1.30	1
4.43	1.28	0.61		6.25	1.29	1.29	1
4.36	1.26	0.60		6.25	1.28	1.28	1
4.29	1.24	0.59		6.25	1.28	1.27	1
4.21	1.22	0.58		6.25	1.27	1.25	1
4.14	1.19	0.57		6.25	1.26	1.24	1
4.07	1.17	0.56		6.25	1.25	1.23	1
4.00	1.15	0.55		6.25	1.24	1.23	1
3.93	1.13	0.54		6.25	1.24	1.22	1
3.86	1.11	0.53		6.25	1.23	1.21	1
3.79	1.08	0.52		6.25	1.22	1.21	1
3.71	1.06	0.51		6.25	1.21	1.20	1
3.64	1.04	0.50		6.25	1.21	1.20	1
3.57	1.02	0.49		6.25	1.20	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.43	0.98	0.47		6.25	1.19	1.18	1
3.36	0.95	0.46		6.25	1.18	1.18	1
3.29	0.93	0.45		6.25	1.17	1.17	1
3.21	0.91	0.44		6.25	1.17	1.17	1
3.14	0.89	0.43		6.25	1.16	1.16	1
3.07	0.87	0.42		6.25	1.16	1.16	1
3.00	0.85	0.41		6.25	1.15	1.15	1
2.93	0.83	0.40		6.25	1.15	1.15	1
2.86	0.80	0.39		6.25	1.14	1.14	1
2.79	0.78	0.38		6.25	1.13	1.13	1
2.71	0.76	0.37		6.25	1.13	1.13	1
2.64	0.74	0.36		6.25	1.12	1.12	1
2.57	0.72	0.35		6.25	1.12	1.12	1
2.50	0.70	0.34		6.25	1.11	1.11	1
2.43	0.68	0.33		6.25	1.11	1.11	1
2.36	0.66	0.33		6.25	1.10	1.10	1
2.29	0.64	0.32		6.25	1.10	1.10	1
2.21	0.62	0.31		6.25	1.09	1.09	1

			b420.pso			
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.08	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1

			b420.pso			
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1
2.06	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.96	17.73	15.71	2.01	2.01	0.00	1
1.95	18.81	16.13	2.68	2.68	0.00	1
1.94	19.89	16.54	3.35	3.35	0.00	1
1.93	20.96	16.95	4.01	4.01	0.00	1
1.92	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.78	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.73	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.68	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.63	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.56	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.51	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.44	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.49	38.81	38.80	0.02	1
1.35	81.76	41.46	40.30	40.23	0.07	1
1.33	84.22	42.40	41.82	41.65	0.17	1
1.31	86.67	43.30	43.37	43.07	0.30	1
1.28	89.12	44.16	44.95	44.48	0.47	1
1.26	91.56	45.00	46.55	45.89	0.66	1
1.24	93.99	45.81	48.18	47.29	0.89	1
1.22	96.42	46.59	49.83	48.69	1.14	1
1.19	98.84	47.35	51.49	50.08	1.41	1
1.17	101.26	48.09	53.18	51.47	1.71	1
1.15	103.68	48.80	54.88	52.85	2.03	1
1.13	106.09	49.50	56.59	54.22	2.36	1
1.11	108.49	50.36	58.13	55.60	2.53	1
1.08	110.89	51.74	59.15	56.96	2.19	1

1.06	113.29	53.09	b420.pso	60.20	58.33	1.88	1
1.04	115.68	54.40		61.28	59.69	1.59	1
1.02	118.07	55.68		62.38	61.04	1.34	1
1.00	120.45	56.94		63.51	62.39	1.12	1
1.00	120.45	56.94		63.51	62.39	1.12	1
0.98	122.83	58.20		64.63	63.74	0.89	1
0.95	125.21	59.43		65.78	65.08	0.70	1
0.93	127.58	60.63		66.95	66.42	0.53	1
0.91	129.94	61.81		68.14	67.75	0.38	1
0.89	132.31	62.96		69.35	69.09	0.26	1
0.87	134.67	64.09		70.58	70.41	0.16	1
0.85	137.03	65.20		71.83	71.74	0.09	1
0.83	139.38	66.28		73.10	73.06	0.04	1
0.80	141.73	67.35		74.38	74.38	0.01	1
0.78	144.08	68.39		75.69	75.69	0.00	1
0.76	146.42	69.42		77.00	77.00	0.00	1
0.74	148.76	70.45		78.31	78.31	0.00	1
0.72	151.10	71.49		79.61	79.61	0.00	1
0.70	153.43	72.52		80.91	80.91	0.00	1
0.68	155.76	73.55		82.21	82.21	0.00	1
0.66	158.09	74.58		83.50	83.50	0.00	1
0.64	160.41	75.62		84.79	84.79	0.00	1
0.62	162.73	76.64		86.09	86.08	0.01	1
0.60	165.05	77.65		87.40	87.37	0.04	1
0.58	167.36	78.64		88.73	88.65	0.08	1
0.56	169.67	79.61		90.06	89.92	0.14	1
0.54	171.98	80.56		91.42	91.20	0.22	1
0.51	174.28	81.51		92.78	92.47	0.31	1
0.49	176.59	82.43		94.16	93.74	0.42	1
0.47	178.88	83.34		95.54	95.01	0.54	1
0.45	181.18	84.24		96.94	96.27	0.67	1
0.43	183.47	85.12		98.35	97.53	0.82	1
0.41	185.76	85.99		99.77	98.79	0.99	1
0.39	188.05	86.85	101.20	100.04	1.16	1	
0.37	190.34	87.69	102.64	101.29	1.35	1	
0.35	192.62	88.52	104.09	102.54	1.55	1	
0.33	194.90	89.34	105.55	103.79	1.77	1	
0.31	197.17	90.15	107.02	105.03	1.99	1	
0.29	199.45	90.95	108.50	106.27	2.23	1	
0.27	201.72	91.73	109.99	107.51	2.47	1	
0.27	201.72	91.73	109.99	107.51	2.47	1	
0.27	202.63	92.05	110.58	108.01	2.57	1	
0.26	203.53	92.36	111.17	108.50	2.67	1	
0.25	204.44	92.67	111.77	108.99	2.77	1	
0.24	205.35	92.98	112.37	109.49	2.88	1	
0.23	206.26	93.29	112.97	109.98	2.98	1	
0.23	207.16	93.60	113.57	110.47	3.09	1	
0.22	208.07	93.90	114.17	110.97	3.20	1	
0.21	208.97	94.20	114.77	111.46	3.31	1	
0.20	209.88	94.50	115.37	111.95	3.42	1	
0.19	210.78	94.80	115.98	112.44	3.53	1	
0.19	211.69	95.10	116.58	112.93	3.65	1	
0.18	212.59	95.40	117.19	113.42	3.77	1	
0.17	213.49	95.70	117.80	113.91	3.88	1	
0.16	214.39	95.99	118.41	114.40	4.00	1	
0.16	215.30	96.28	119.02	114.89	4.12	1	
0.15	216.20	96.57	119.63	115.38	4.24	1	
0.14	217.10	96.86	120.24	115.87	4.37	1	
0.13	218.00	97.15	120.85	116.36	4.49	1	
0.12	218.90	97.44	121.47	116.85	4.62	1	
0.12	219.80	97.72	122.08	117.33	4.75	1	
0.11	220.70	98.01	122.70	117.82	4.88	1	
0.10	221.60	98.29	123.31	118.31	5.01	1	

			b420.pso			
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.40	1
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.69	126.41	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.81	1
0.05	227.89	100.47	127.42	121.71	5.72	1
0.04	228.79	101.02	127.78	122.19	5.59	1
0.03	229.69	101.56	128.13	122.67	5.46	1
0.02	230.58	102.10	128.49	123.16	5.33	1
0.02	231.48	102.64	128.84	123.64	5.20	1
0.01	232.38	103.17	129.20	124.12	5.08	1
0.00	233.27	103.71	129.56	124.60	4.96	1

Time = 1825. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 1825. = 4.765

Settlement caused by Secondary Compression at time 1825. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1

			b420.pso			
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1
6.11	1.85	0.84	6.25	1.61	1.61	1
6.09	1.84	0.84	6.25	1.60	1.60	1
6.06	1.83	0.84	6.25	1.60	1.59	1
6.03	1.82	0.83	6.25	1.59	1.58	1
6.00	1.81	0.83	6.25	1.58	1.57	1
6.00	1.81	0.83	6.25	1.58	1.57	1
5.93	1.78	0.82	6.25	1.56	1.55	1
5.86	1.76	0.81	6.25	1.54	1.52	1
5.79	1.73	0.80	6.25	1.52	1.50	1
5.71	1.71	0.79	6.25	1.51	1.49	1
5.64	1.68	0.78	6.25	1.49	1.48	1
5.57	1.66	0.77	6.25	1.47	1.47	1
5.50	1.63	0.76	6.25	1.46	1.46	1
5.43	1.61	0.75	6.25	1.45	1.44	1
5.36	1.59	0.74	6.25	1.43	1.43	1
5.29	1.56	0.73	6.25	1.42	1.42	1
5.21	1.54	0.72	6.25	1.41	1.41	1
5.14	1.51	0.71	6.25	1.40	1.40	1
5.07	1.49	0.70	6.25	1.39	1.39	1
5.00	1.47	0.69	6.25	1.38	1.38	1
4.93	1.44	0.68	6.25	1.37	1.37	1
4.86	1.42	0.67	6.25	1.35	1.35	1
4.79	1.40	0.66	6.25	1.34	1.34	1
4.71	1.38	0.65	6.25	1.33	1.33	1
4.64	1.35	0.64	6.25	1.32	1.32	1
4.57	1.33	0.63	6.25	1.31	1.31	1
4.50	1.31	0.62	6.25	1.30	1.30	1
4.43	1.28	0.61	6.25	1.29	1.29	1
4.36	1.26	0.60	6.25	1.28	1.28	1
4.29	1.24	0.59	6.25	1.28	1.27	1
4.21	1.22	0.58	6.25	1.27	1.25	1
4.14	1.19	0.57	6.25	1.26	1.24	1
4.07	1.17	0.56	6.25	1.25	1.23	1
4.00	1.15	0.55	6.25	1.24	1.23	1
3.93	1.13	0.54	6.25	1.24	1.22	1
3.86	1.11	0.53	6.25	1.23	1.21	1
3.79	1.08	0.52	6.25	1.22	1.21	1
3.71	1.06	0.51	6.25	1.21	1.20	1
3.64	1.04	0.50	6.25	1.21	1.20	1
3.57	1.02	0.49	6.25	1.20	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.43	0.98	0.47	6.25	1.19	1.18	1
3.36	0.95	0.46	6.25	1.18	1.18	1
3.29	0.93	0.45	6.25	1.17	1.17	1
3.21	0.91	0.44	6.25	1.17	1.17	1
3.14	0.89	0.43	6.25	1.16	1.16	1
3.07	0.87	0.42	6.25	1.16	1.16	1
3.00	0.85	0.41	6.25	1.15	1.15	1
2.93	0.83	0.40	6.25	1.15	1.15	1
2.86	0.80	0.39	6.25	1.14	1.14	1
2.79	0.78	0.38	6.25	1.13	1.13	1
2.71	0.76	0.37	6.25	1.13	1.13	1
2.64	0.74	0.36	6.25	1.12	1.12	1
2.57	0.72	0.35	6.25	1.12	1.12	1
2.50	0.70	0.34	6.25	1.11	1.11	1
2.43	0.68	0.33	6.25	1.11	1.11	1

			b420.pso			
2.36	0.66	0.33	6.25	1.10	1.10	1
2.29	0.64	0.32	6.25	1.10	1.10	1
2.21	0.62	0.31	6.25	1.09	1.09	1
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.08	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1

			b420.pso			
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1
2.06	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.96	17.73	15.71	2.01	2.01	0.00	1
1.95	18.81	16.13	2.68	2.68	0.00	1
1.94	19.89	16.54	3.35	3.35	0.00	1
1.93	20.96	16.95	4.01	4.01	0.00	1
1.92	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.78	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.73	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.68	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.63	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.56	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.51	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.44	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.49	38.81	38.80	0.02	1
1.35	81.76	41.46	40.30	40.23	0.07	1
1.33	84.22	42.40	41.82	41.65	0.17	1
1.31	86.67	43.30	43.37	43.07	0.30	1
1.28	89.12	44.16	44.95	44.48	0.47	1
1.26	91.56	45.00	46.55	45.89	0.66	1
1.24	93.99	45.81	48.18	47.29	0.89	1
1.22	96.42	46.59	49.83	48.69	1.14	1
1.19	98.84	47.35	51.49	50.08	1.41	1
1.17	101.26	48.09	53.18	51.47	1.71	1
1.15	103.68	48.80	54.88	52.85	2.03	1

1.13	106.09	49.50	b420.pso	56.59	54.22	2.36	1
1.11	108.49	50.36		58.13	55.60	2.53	1
1.08	110.89	51.74		59.15	56.96	2.19	1
1.06	113.29	53.09		60.20	58.33	1.88	1
1.04	115.68	54.40		61.28	59.69	1.59	1
1.02	118.07	55.68		62.38	61.04	1.34	1
1.00	120.45	56.94		63.51	62.39	1.12	1
1.00	120.45	56.94		63.51	62.39	1.12	1
0.98	122.83	58.20		64.63	63.74	0.89	1
0.95	125.21	59.43		65.78	65.08	0.70	1
0.93	127.58	60.63		66.95	66.42	0.53	1
0.91	129.94	61.81		68.14	67.75	0.38	1
0.89	132.31	62.96		69.35	69.09	0.26	1
0.87	134.67	64.09		70.58	70.41	0.16	1
0.85	137.03	65.20		71.83	71.74	0.09	1
0.83	139.38	66.28		73.10	73.06	0.04	1
0.80	141.73	67.35		74.38	74.38	0.01	1
0.78	144.08	68.39		75.69	75.69	0.00	1
0.76	146.42	69.42		77.00	77.00	0.00	1
0.74	148.76	70.45		78.31	78.31	0.00	1
0.72	151.10	71.49		79.61	79.61	0.00	1
0.70	153.43	72.52		80.91	80.91	0.00	1
0.68	155.76	73.55		82.21	82.21	0.00	1
0.66	158.09	74.58		83.50	83.50	0.00	1
0.64	160.41	75.62		84.79	84.79	0.00	1
0.62	162.73	76.64		86.09	86.08	0.01	1
0.60	165.05	77.65		87.40	87.37	0.04	1
0.58	167.36	78.64		88.73	88.65	0.08	1
0.56	169.67	79.61		90.06	89.92	0.14	1
0.54	171.98	80.56		91.42	91.20	0.22	1
0.51	174.28	81.51		92.78	92.47	0.31	1
0.49	176.59	82.43		94.16	93.74	0.42	1
0.47	178.88	83.34		95.54	95.01	0.54	1
0.45	181.18	84.24		96.94	96.27	0.67	1
0.43	183.47	85.12		98.35	97.53	0.82	1
0.41	185.76	85.99		99.77	98.79	0.99	1
0.39	188.05	86.85		101.20	100.04	1.16	1
0.37	190.34	87.69		102.64	101.29	1.35	1
0.35	192.62	88.52		104.09	102.54	1.55	1
0.33	194.90	89.34		105.55	103.79	1.77	1
0.31	197.17	90.15		107.02	105.03	1.99	1
0.29	199.45	90.95		108.50	106.27	2.23	1
0.27	201.72	91.73		109.99	107.51	2.47	1
0.27	201.72	91.73		109.99	107.51	2.47	1
0.27	202.63	92.05		110.58	108.01	2.57	1
0.26	203.53	92.36		111.17	108.50	2.67	1
0.25	204.44	92.67		111.77	108.99	2.77	1
0.24	205.35	92.98		112.37	109.49	2.88	1
0.23	206.26	93.29		112.97	109.98	2.98	1
0.23	207.16	93.60		113.57	110.47	3.09	1
0.22	208.07	93.90		114.17	110.97	3.20	1
0.21	208.97	94.20		114.77	111.46	3.31	1
0.20	209.88	94.50		115.37	111.95	3.42	1
0.19	210.78	94.80		115.98	112.44	3.53	1
0.19	211.69	95.10		116.58	112.93	3.65	1
0.18	212.59	95.40		117.19	113.42	3.77	1
0.17	213.49	95.70		117.80	113.91	3.88	1
0.16	214.39	95.99		118.41	114.40	4.00	1
0.16	215.30	96.28		119.02	114.89	4.12	1
0.15	216.20	96.57		119.63	115.38	4.24	1
0.14	217.10	96.86		120.24	115.87	4.37	1
0.13	218.00	97.15		120.85	116.36	4.49	1
0.12	218.90	97.44		121.47	116.85	4.62	1

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0.12	219.80	97.72	122.08	117.33	4.75	1
0.11	220.70	98.01	122.70	117.82	4.88	1
0.10	221.60	98.29	123.31	118.31	5.01	1
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.40	1
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.69	126.41	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.81	1
0.05	227.89	100.47	127.42	121.71	5.72	1
0.04	228.79	101.02	127.78	122.19	5.59	1
0.03	229.69	101.56	128.13	122.67	5.46	1
0.02	230.58	102.10	128.49	123.16	5.33	1
0.02	231.48	102.64	128.84	123.64	5.20	1
0.01	232.38	103.17	129.20	124.12	5.08	1
0.00	233.27	103.71	129.56	124.60	4.96	1

Time = 3650. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 3650. = 4.765

Settlement caused by Secondary Compression at time 3650. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 2 Marsh Calcs EI +2.0 feet.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	150
11	Stage 11	180
12	Stage 12	240
13	Stage 13	270
14	Stage 14	365
15	Stage 15	730
16	Stage 16	1095
17	Stage 17	1825
18	Stage 18	3650
19	Stage 19	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.051376
Loading Stress XX [ksf]	-0.00840082	0.0399615
Loading Stress YY [ksf]	-0.00910685	0.0394335
Effective Stress ZZ [ksf]	-1.52333e-018	1.391
Effective Stress XX [ksf]	-0.00840082	1.42364
Effective Stress YY [ksf]	-0.00910685	1.42364
Total Stress ZZ [ksf]	0	3.31437
Total Stress XX [ksf]	-0.00840082	3.34701
Total Stress YY [ksf]	-0.00910685	3.34701
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.92337
Excess Pore Water Pressure [ksf]	0	0.051376
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	-2.77556e-017	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.60579
Total Consolidation Settlement [in]	0	2.60579
Virgin Consolidation Settlement [in]	0	1.08356
Recompression Consolidation Settlement [in]	0	1.52223
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.146016
Loading Stress XX [ksf]	-0.023876	0.113575
Loading Stress YY [ksf]	-0.0258826	0.112074
Effective Stress ZZ [ksf]	-3.27788e-011	1.45591
Effective Stress XX [ksf]	-0.023876	1.53514
Effective Stress YY [ksf]	-0.0258826	1.53514
Total Stress ZZ [ksf]	0	3.40899
Total Stress XX [ksf]	-0.023876	3.48822
Total Stress YY [ksf]	-0.0258826	3.48822
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	18127.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	18127.2
Total Strain	-4.85612e-008	0.452884
Pore Water Pressure [ksf]	-0.000166236	1.95308
Excess Pore Water Pressure [ksf]	0	0.146016
Degree of Consolidation [%]	0	41.2735
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00484914

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.65064
Total Consolidation Settlement [in]	0	4.65064
Virgin Consolidation Settlement [in]	0	2.2934
Recompression Consolidation Settlement [in]	0	2.35724
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.237952
Loading Stress XX [ksf]	-0.038909	0.185085
Loading Stress YY [ksf]	-0.0421791	0.182639
Effective Stress ZZ [ksf]	-6.03296e-011	1.56116
Effective Stress XX [ksf]	-0.038909	1.68818
Effective Stress YY [ksf]	-0.0421791	1.68818
Total Stress ZZ [ksf]	0	3.50091
Total Stress XX [ksf]	-0.038909	3.62793
Total Stress YY [ksf]	-0.0421791	3.62793
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	11825.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	11825.6
Total Strain	-2.17117e-007	0.57237
Pore Water Pressure [ksf]	-0.00034303	1.93975
Excess Pore Water Pressure [ksf]	0	0.237951
Degree of Consolidation [%]	0	64.283
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0133008

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.17022
Total Consolidation Settlement [in]	0	6.17022
Virgin Consolidation Settlement [in]	0	3.2583
Recompression Consolidation Settlement [in]	0	2.91193
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2704
Loading Stress XX [ksf]	-0.0442148	0.210324
Loading Stress YY [ksf]	-0.0479308	0.207545
Effective Stress ZZ [ksf]	-2.06464e-025	1.661
Effective Stress XX [ksf]	-0.0442148	1.80071
Effective Stress YY [ksf]	-0.0479308	1.80071
Total Stress ZZ [ksf]	0	3.53336
Total Stress XX [ksf]	-0.0442148	3.67307
Total Stress YY [ksf]	-0.0479308	3.67307
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8837.04
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8837.04
Total Strain	-3.48917e-007	0.623455
Pore Water Pressure [ksf]	-0.000476396	1.87236
Excess Pore Water Pressure [ksf]	0	0.270386
Degree of Consolidation [%]	0	89.2085
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209867

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.36239
Total Consolidation Settlement [in]	0	6.36239
Virgin Consolidation Settlement [in]	0	3.38727
Recompression Consolidation Settlement [in]	0	2.97512
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.323
Loading Stress XX [ksf]	-0.0580018	0.24787
Loading Stress YY [ksf]	-0.063105	0.243852
Effective Stress ZZ [ksf]	-2.29672e-011	1.69444
Effective Stress XX [ksf]	-0.0580018	1.86889
Effective Stress YY [ksf]	-0.063105	1.86785
Total Stress ZZ [ksf]	0	3.58596
Total Stress XX [ksf]	-0.0580018	3.76042
Total Stress YY [ksf]	-0.063105	3.75937
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	29252.3
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	29252.3
Total Strain	-3.68992e-007	0.648027
Pore Water Pressure [ksf]	-0.000546981	1.91174
Excess Pore Water Pressure [ksf]	-1.01349e-006	0.322983
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0235893

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.61632
Total Consolidation Settlement [in]	0	6.61632
Virgin Consolidation Settlement [in]	0	3.57005
Recompression Consolidation Settlement [in]	0	3.04629
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.323
Loading Stress XX [ksf]	-0.0580018	0.24787
Loading Stress YY [ksf]	-0.063105	0.243852
Effective Stress ZZ [ksf]	-6.17466e-011	1.74836
Effective Stress XX [ksf]	-0.0580018	1.9215
Effective Stress YY [ksf]	-0.063105	1.92045
Total Stress ZZ [ksf]	0	3.58596
Total Stress XX [ksf]	-0.0580018	3.75909
Total Stress YY [ksf]	-0.063105	3.75804
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8267.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8267.2
Total Strain	-6.52728e-007	0.659676
Pore Water Pressure [ksf]	-0.000615501	1.872
Excess Pore Water Pressure [ksf]	-2.66446e-006	0.322978
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.14739
Total Consolidation Settlement [in]	0	8.14739
Virgin Consolidation Settlement [in]	0	4.51998
Recompression Consolidation Settlement [in]	0	3.62743
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.196578
Loading Stress XX [ksf]	-0.0352999	0.150853
Loading Stress YY [ksf]	-0.0384057	0.148408
Effective Stress ZZ [ksf]	-4.94288e-011	1.75634
Effective Stress XX [ksf]	-0.0352999	1.84027
Effective Stress YY [ksf]	-0.0384057	1.83963
Total Stress ZZ [ksf]	0	3.45955
Total Stress XX [ksf]	-0.0352999	3.54349
Total Stress YY [ksf]	-0.0384057	3.54285
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4930.75
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4930.75
Total Strain	-2.98857e-006	0.660542
Pore Water Pressure [ksf]	-0.119546	1.872
Excess Pore Water Pressure [ksf]	-0.126422	0.1963
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0657859
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.39278
Total Consolidation Settlement [in]	0	8.39278
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	3.82958
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.187469
Loading Stress XX [ksf]	-0.0336643	0.143863
Loading Stress YY [ksf]	-0.0366262	0.141532
Effective Stress ZZ [ksf]	0	1.6312
Effective Stress XX [ksf]	-0.0336643	1.70801
Effective Stress YY [ksf]	-0.0366262	1.7074
Total Stress ZZ [ksf]	0	3.45045
Total Stress XX [ksf]	-0.0336643	3.52726
Total Stress YY [ksf]	-0.0366262	3.52665
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7406.88
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7406.88
Total Strain	-3.29634e-006	0.650856
Pore Water Pressure [ksf]	-0.00542002	1.872
Excess Pore Water Pressure [ksf]	-0.0149407	0.182781
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0005
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.48769
Total Consolidation Settlement [in]	0	8.48769
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	3.92448
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.184498
Loading Stress XX [ksf]	-0.0331306	0.141583
Loading Stress YY [ksf]	-0.0360456	0.139288
Effective Stress ZZ [ksf]	0	1.62258
Effective Stress XX [ksf]	-0.0331306	1.69699
Effective Stress YY [ksf]	-0.0360456	1.69639
Total Stress ZZ [ksf]	0	3.44747
Total Stress XX [ksf]	-0.0331306	3.52188
Total Stress YY [ksf]	-0.0360456	3.52129
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7642.71
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7642.71
Total Strain	-2.98101e-006	0.649817
Pore Water Pressure [ksf]	-0.000764327	1.872
Excess Pore Water Pressure [ksf]	-0.00673613	0.174971
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0006
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 10 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.82321
Total Consolidation Settlement [in]	0	8.82321
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	4.26001
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.175583
Loading Stress XX [ksf]	-0.0315298	0.134742
Loading Stress YY [ksf]	-0.0343039	0.132558
Effective Stress ZZ [ksf]	0	1.62135
Effective Stress XX [ksf]	-0.0315298	1.68829
Effective Stress YY [ksf]	-0.0343039	1.68772
Total Stress ZZ [ksf]	0	3.43856
Total Stress XX [ksf]	-0.0315298	3.5055
Total Stress YY [ksf]	-0.0343039	3.50493
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7388.83
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7388.83
Total Strain	-3.4133e-006	0.648755
Pore Water Pressure [ksf]	-0.00510493	1.872
Excess Pore Water Pressure [ksf]	-0.00893054	0.139562
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0009
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 11 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.91743
Total Consolidation Settlement [in]	0	8.91743
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	4.35423
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.173548
Loading Stress XX [ksf]	-0.0311644	0.13318
Loading Stress YY [ksf]	-0.0339063	0.131022
Effective Stress ZZ [ksf]	-2.50747e-019	1.61293
Effective Stress XX [ksf]	-0.0311644	1.67807
Effective Stress YY [ksf]	-0.0339063	1.67751
Total Stress ZZ [ksf]	0	3.43653
Total Stress XX [ksf]	-0.0311644	3.50167
Total Stress YY [ksf]	-0.0339064	3.5011
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7672.04
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7672.04
Total Strain	-3.45987e-006	0.647763
Pore Water Pressure [ksf]	-0.000835645	1.872
Excess Pore Water Pressure [ksf]	-0.00256168	0.123052
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0009
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 12 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.08882
Total Consolidation Settlement [in]	0	9.08882
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	4.52562
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.170415
Loading Stress XX [ksf]	-0.0306018	0.130776
Loading Stress YY [ksf]	-0.0332942	0.128656
Effective Stress ZZ [ksf]	0	1.61179
Effective Stress XX [ksf]	-0.0306018	1.67402
Effective Stress YY [ksf]	-0.0332942	1.67347
Total Stress ZZ [ksf]	0	3.43339
Total Stress XX [ksf]	-0.0306018	3.49563
Total Stress YY [ksf]	-0.0332943	3.49508
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7619.19
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7619.19
Total Strain	-2.85822e-006	0.647281
Pore Water Pressure [ksf]	-0.000857472	1.872
Excess Pore Water Pressure [ksf]	-0.00313964	0.0941839
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0008
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 13 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.14675
Total Consolidation Settlement [in]	0	9.14675
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	4.58355
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.169349
Loading Stress XX [ksf]	-0.0304104	0.129958
Loading Stress YY [ksf]	-0.033086	0.127852
Effective Stress ZZ [ksf]	0	1.60896
Effective Stress XX [ksf]	-0.0304104	1.67021
Effective Stress YY [ksf]	-0.033086	1.66966
Total Stress ZZ [ksf]	0	3.43233
Total Stress XX [ksf]	-0.0304104	3.49358
Total Stress YY [ksf]	-0.0330862	3.49303
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7708.68
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7708.68
Total Strain	-2.25967e-006	0.646887
Pore Water Pressure [ksf]	-0.000864013	1.872
Excess Pore Water Pressure [ksf]	-0.00125108	0.0818818
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0006
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 14 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.29724
Total Consolidation Settlement [in]	0	9.29724
Virgin Consolidation Settlement [in]	0	4.56322
Recompression Consolidation Settlement [in]	0	4.73404
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.16754
Loading Stress XX [ksf]	-0.0300855	0.12857
Loading Stress YY [ksf]	-0.0327326	0.126486
Effective Stress ZZ [ksf]	-4.52653e-011	1.60867
Effective Stress XX [ksf]	-0.0300855	1.66798
Effective Stress YY [ksf]	-0.0327326	1.66743
Total Stress ZZ [ksf]	0	3.43052
Total Stress XX [ksf]	-0.0300856	3.48982
Total Stress YY [ksf]	-0.032733	3.48928
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7670.75
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7670.75
Total Strain	-7.85813e-007	0.646616
Pore Water Pressure [ksf]	-0.000881689	1.872
Excess Pore Water Pressure [ksf]	-0.00180889	0.0524259
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 15 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.51488
Total Consolidation Settlement [in]	0	9.51488
Virgin Consolidation Settlement [in]	0	4.57051
Recompression Consolidation Settlement [in]	0	4.94438
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.165957
Loading Stress XX [ksf]	-0.0298013	0.127355
Loading Stress YY [ksf]	-0.0324234	0.125291
Effective Stress ZZ [ksf]	-3.38143e-011	1.608
Effective Stress XX [ksf]	-0.0298013	1.66515
Effective Stress YY [ksf]	-0.0324234	1.66461
Total Stress ZZ [ksf]	0	3.42894
Total Stress XX [ksf]	-0.0298015	3.48609
Total Stress YY [ksf]	-0.0324243	3.48555
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7673.44
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7673.44
Total Strain	-5.25661e-007	0.646298
Pore Water Pressure [ksf]	-0.000909299	1.872
Excess Pore Water Pressure [ksf]	-0.0015827	0.0114733
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 16 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.55081
Total Consolidation Settlement [in]	0	9.55081
Virgin Consolidation Settlement [in]	0	4.57669
Recompression Consolidation Settlement [in]	0	4.97412
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.165473
Loading Stress XX [ksf]	-0.0297143	0.126984
Loading Stress YY [ksf]	-0.0323287	0.124925
Effective Stress ZZ [ksf]	-1.8668e-012	1.6066
Effective Stress XX [ksf]	-0.0297143	1.66326
Effective Stress YY [ksf]	-0.0323287	1.66272
Total Stress ZZ [ksf]	0	3.42845
Total Stress XX [ksf]	-0.0297145	3.48511
Total Stress YY [ksf]	-0.03233	3.48457
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7721.43
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7721.43
Total Strain	-5.1237e-007	0.646098
Pore Water Pressure [ksf]	-0.00091317	1.872
Excess Pore Water Pressure [ksf]	-0.0004845	0.00219916
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 17 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.55778
Total Consolidation Settlement [in]	0	9.55778
Virgin Consolidation Settlement [in]	0	4.57813
Recompression Consolidation Settlement [in]	0	4.97965
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.165344
Loading Stress XX [ksf]	-0.0296911	0.126884
Loading Stress YY [ksf]	-0.0323035	0.124828
Effective Stress ZZ [ksf]	0	1.60615
Effective Stress XX [ksf]	-0.0296911	1.66269
Effective Stress YY [ksf]	-0.0323035	1.66215
Total Stress ZZ [ksf]	0	3.42832
Total Stress XX [ksf]	-0.0296913	3.48486
Total Stress YY [ksf]	-0.0323048	3.48432
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7737.43
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7737.43
Total Strain	-5.07793e-007	0.646038
Pore Water Pressure [ksf]	-0.000913897	1.872
Excess Pore Water Pressure [ksf]	-0.0001292	5.28582e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 18 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.26818e-006	9.55653
Total Consolidation Settlement [in]	-1.26818e-006	9.55653
Virgin Consolidation Settlement [in]	0	4.57815
Recompression Consolidation Settlement [in]	-1.26818e-006	4.97839
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.165344
Loading Stress XX [ksf]	-0.0296911	0.126884
Loading Stress YY [ksf]	-0.0323035	0.124828
Effective Stress ZZ [ksf]	0	1.60602
Effective Stress XX [ksf]	-0.0296911	1.66256
Effective Stress YY [ksf]	-0.0323035	1.66202
Total Stress ZZ [ksf]	0	3.42832
Total Stress XX [ksf]	-0.0296913	3.48487
Total Stress YY [ksf]	-0.0323048	3.48433
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7746.26
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7746.26
Total Strain	-5.09078e-007	0.646026
Pore Water Pressure [ksf]	-0.000913897	1.872
Excess Pore Water Pressure [ksf]	-7.4886e-006	4.17237e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Stage: Stage 19 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.30565e-006	9.55653
Total Consolidation Settlement [in]	-1.30565e-006	9.55653
Virgin Consolidation Settlement [in]	0	4.57815
Recompression Consolidation Settlement [in]	-1.30565e-006	4.97839
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.165344
Loading Stress XX [ksf]	-0.0296911	0.126884
Loading Stress YY [ksf]	-0.0323035	0.124828
Effective Stress ZZ [ksf]	-9.51052e-013	1.60602
Effective Stress XX [ksf]	-0.0296911	1.66256
Effective Stress YY [ksf]	-0.0323035	1.66202
Total Stress ZZ [ksf]	0	3.42832
Total Stress XX [ksf]	-0.0296913	3.48487
Total Stress YY [ksf]	-0.0323048	3.48433
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7746.21
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7746.21
Total Strain	-5.09079e-007	0.646026
Pore Water Pressure [ksf]	-0.000913897	1.872
Excess Pore Water Pressure [ksf]	-4.16458e-006	7.4745e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0276964

Loads

1. Rectangular Load: "Rectangular Load 1"

Length	1000 ft
Width	1000 ft
Rotation angle	0 degrees
Load Type	Flexible
Area of Load	1e+006 ft ²
Load	0.2704 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 150 d	0	0
Stage 11 = 180 d	0	0
Stage 12 = 240 d	0	0
Stage 13 = 270 d	0	0
Stage 14 = 365 d	0	0
Stage 15 = 730 d	0	0
Stage 16 = 1095 d	0	0
Stage 17 = 1825 d	0	0
Stage 18 = 3650 d	0	0
Stage 19 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1089 ft
 Width 1100 ft
 Rotation angle 0 degrees
 Load Type Flexible
 Area of Load 1.1979e+006 ft²
 Load 0.323 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.6086	0
Stage 8 = 75 d	0.5804	0
Stage 9 = 90 d	0.5712	0
Stage 10 = 150 d	0.5436	0
Stage 11 = 180 d	0.5373	0
Stage 12 = 240 d	0.5276	0
Stage 13 = 270 d	0.5243	0
Stage 14 = 365 d	0.5187	0
Stage 15 = 730 d	0.5138	0
Stage 16 = 1095 d	0.5123	0
Stage 17 = 1825 d	0.5119	0
Stage 18 = 3650 d	0.5119	0
Stage 19 = 7300 d	0.5119	0

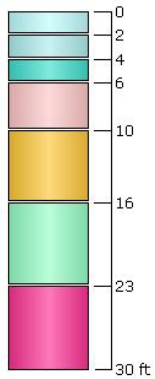
Coordinates

X [ft]	Y [ft]
-544.5	-550
544.5	-550
544.5	550
-544.5	550





Soil Layers




Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	2	4	No
4	Very Soft Clay (CH) 4	4	6	No
5	Very Soft to Soft Clay (CH/CL)	6	10	Yes
6	Stiff Clay (CH)	7	16	Yes
7	Clayey Sand	7	23	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
Saturated Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.2	2.93	2.93	0.27
Cr	0.58	0.53	0.53	0.04
e0	6.49	4.9	4.9	1.32
OCR	10	10	5.9	1.6
Cv [ft ² /d]	0.03	0.03	0.03	0.13
Cvr [ft ² /d]	0.03	0.03	0.03	0.13
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Very Soft Clay (CH) 4	Stiff Clay (CH)	Clayey Sand
Color			
Unit Weight [kips/ft ³]	0.1	0.115	0.12
Saturated Unit Weight [kips/ft ³]	0.1	0.115	0.12
K0	1	1	1
Primary Consolidation	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	
Cc	0.65	0.21	-
Cr	0.12	0.04	-
e0	2.06	0.92	-
OCR	2.9	5	-
Cv [ft ² /d]	0.12	0.5	-
Cvr [ft ² /d]	0.12	0.5	-
B-bar	1	1	-
Undrained Su A [kips/ft ²]	0	0	0
Undrained Su S	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8
Piezo Line ID	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 75

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1094.5	2000
1094.5	-2000
-1094.5	-2000
-1094.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-10

Initial Sequence of Lifts

Specific Gravity:	2.68
Initial Void Ratio:	1.919
Initial Fill El (feet):	2.00
Initial Avg. Mudline El (feet):	-0.75
Mudline at EOC (feet):	-1.28

Initial γ (pcf):	98.31 (assumes 100% saturation)
Water El (feet):	0.50
Initial stress (ksf):	0.2704 During Construction at 29 days
Stress at EOC (ksf):	0.323 End of Construction at 30 days

Note:	
	Title
	Manual Input
	Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.551	0.680	0.700	0.707	0.735	0.743	0.758	0.763	0.774	0.789	0.795	0.797	0.797	0.796
Ending Mudline El. (feet):	-1.30	-1.43	-1.45	-1.46	-1.49	-1.49	-1.51	-1.51	-1.52	-1.54	-1.55	-1.55	-1.55	-1.55
Net PSDDF Settlement (feet):		0.136	0.264	0.347	0.479	0.509	0.546	0.559	0.581	0.592	0.595	0.595	0.595	0.595
Ending Fill Thickness (feet):	3.301	3.165	3.037	2.954	2.822	2.792	2.755	2.742	2.720	2.709	2.706	2.706	2.706	2.706
Ending Fill El. (feet):	2.000	1.735	1.587	1.497	1.337	1.299	1.247	1.229	1.196	1.170	1.161	1.159	1.159	1.159
Avg. Void Ratio from PSDDF:	1.919	1.778	1.663	1.534	1.400	1.368	1.334	1.322	1.299	1.289	1.285	1.285	1.285	1.285
Ending γ (pcf):	98.31	100.14	101.77	103.77	106.08	106.67	107.32	107.55	108.00	108.20	108.28	108.28	108.28	108.28
Effective Stress at End Time (ksf):	0.3229	0.197	0.187	0.184	0.175	0.173	0.170	0.169	0.167	0.166	0.165	0.165	0.165	0.165

DRAFT

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Crea
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-10
Mudline El.: -0.75 feet

LEGEND
Title
Manual Input
Calculation

Load End Time (days)	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.270	0.323	0.197	0.187	0.184	0.175	0.173	0.170	0.169	0.167	0.166	0.165	0.165	0.165	
Layer 1	0.431	0.444	0.529	0.518	0.515	0.514	0.512	0.512	0.511	0.510	0.511	0.510	0.510	0.510	0.510
Layer 2	0.050	0.052	0.080	0.106	0.110	0.116	0.118	0.120	0.121	0.123	0.125	0.126	0.126	0.126	0.126
Layer 3	0.019	0.020	0.025	0.035	0.040	0.055	0.060	0.066	0.069	0.073	0.080	0.081	0.081	0.081	0.080
Layer 4	0.009	0.009	0.012	0.013	0.015	0.022	0.025	0.031	0.033	0.038	0.040	0.045	0.046	0.046	0.046
Layer 5	0.008	0.008	0.011	0.011	0.011	0.012	0.012	0.013	0.014	0.015	0.018	0.018	0.019	0.019	0.019
Layer 6	0.017	0.018	0.023	0.017	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.53	0.55	0.68	0.70	0.71	0.74	0.74	0.76	0.76	0.77	0.79	0.80	0.80	0.80	0.80

DRAFT

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 2 Marsh Calcs EI +2.0 feet Sand.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0785565
Loading Stress XX [ksf]	-0.0128453	0.0611031
Loading Stress YY [ksf]	-0.0139248	0.0602959
Effective Stress ZZ [ksf]	-8.45391e-019	1.391
Effective Stress XX [ksf]	-0.0128453	1.44091
Effective Stress YY [ksf]	-0.0139248	1.44091
Total Stress ZZ [ksf]	0	3.34154
Total Stress XX [ksf]	-0.0128453	3.39146
Total Stress YY [ksf]	-0.0139248	3.39146
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.95054
Excess Pore Water Pressure [ksf]	0	0.0785565
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	-2.77556e-017	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.08177
Total Consolidation Settlement [in]	0	3.08177
Virgin Consolidation Settlement [in]	0	1.32581
Recompression Consolidation Settlement [in]	0	1.75596
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.157113
Loading Stress XX [ksf]	-0.0256905	0.122206
Loading Stress YY [ksf]	-0.0278497	0.120592
Effective Stress ZZ [ksf]	-5.68247e-011	1.48554
Effective Stress XX [ksf]	-0.0256905	1.56937
Effective Stress YY [ksf]	-0.0278497	1.56937
Total Stress ZZ [ksf]	0	3.42009
Total Stress XX [ksf]	-0.0256905	3.50391
Total Stress YY [ksf]	-0.0278497	3.50391
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	13582.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	13582.2
Total Strain	-7.42526e-008	0.484824
Pore Water Pressure [ksf]	-0.000241771	1.93454
Excess Pore Water Pressure [ksf]	0	0.157113
Degree of Consolidation [%]	0	52.5001
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00733743

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.90885
Total Consolidation Settlement [in]	0	4.90885
Virgin Consolidation Settlement [in]	0	2.44949
Recompression Consolidation Settlement [in]	0	2.45936
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-4.57877e-011	1.5736
Effective Stress XX [ksf]	-0.0389251	1.69933
Effective Stress YY [ksf]	-0.0421965	1.69933
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.62674
Total Stress YY [ksf]	-0.0421965	3.62674
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	11083.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	11083.8
Total Strain	-2.09688e-007	0.577706
Pore Water Pressure [ksf]	-0.00041636	1.92741
Excess Pore Water Pressure [ksf]	0	0.238049
Degree of Consolidation [%]	0	72.4884
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0142544

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.21497
Total Consolidation Settlement [in]	0	6.21497
Virgin Consolidation Settlement [in]	0	3.25097
Recompression Consolidation Settlement [in]	0	2.964
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-5.16161e-026	1.66133
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.61994
Total Stress YY [ksf]	-0.0421965	3.61994
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7770.72
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7770.72
Total Strain	-3.68471e-007	0.611597
Pore Water Pressure [ksf]	-0.000536541	1.872
Excess Pore Water Pressure [ksf]	-2.8098e-008	0.23803
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.29714
Total Consolidation Settlement [in]	0	6.29714
Virgin Consolidation Settlement [in]	0	3.29416
Recompression Consolidation Settlement [in]	0	3.003
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-6.67307e-012	1.66175
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.61952
Total Stress YY [ksf]	-0.0421965	3.61952
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7759.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7759.52
Total Strain	-3.82681e-007	0.611797
Pore Water Pressure [ksf]	-0.000582366	1.872
Excess Pore Water Pressure [ksf]	-7.26102e-007	0.238025
Degree of Consolidation [%]	0	99.9196
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.3822
Total Consolidation Settlement [in]	0	6.3822
Virgin Consolidation Settlement [in]	0	3.3409
Recompression Consolidation Settlement [in]	0	3.04131
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.6622
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.61907
Total Stress YY [ksf]	-0.0421965	3.61907
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7747.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7747.6
Total Strain	-3.96278e-007	0.61192
Pore Water Pressure [ksf]	-0.000594747	1.872
Excess Pore Water Pressure [ksf]	-4.38e-008	0.238018
Degree of Consolidation [%]	0	99.9344
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.20731
Total Consolidation Settlement [in]	0	7.20731
Virgin Consolidation Settlement [in]	0	3.72394
Recompression Consolidation Settlement [in]	0	3.48338
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.66649
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.61478
Total Stress YY [ksf]	-0.0421965	3.61478
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7637.23
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7637.23
Total Strain	-5.34875e-007	0.612426
Pore Water Pressure [ksf]	-0.000617867	1.872
Excess Pore Water Pressure [ksf]	-8.09224e-008	0.2377
Degree of Consolidation [%]	0	99.9735
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.09389
Total Consolidation Settlement [in]	0	8.09389
Virgin Consolidation Settlement [in]	0	4.01472
Recompression Consolidation Settlement [in]	0	4.0792
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.6711
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.61017
Total Stress YY [ksf]	-0.0421965	3.61017
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7524.84
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7524.84
Total Strain	-5.9972e-007	0.612821
Pore Water Pressure [ksf]	-0.000635712	1.872
Excess Pore Water Pressure [ksf]	-6.64325e-008	0.233331
Degree of Consolidation [%]	0	99.9988
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.37761
Total Consolidation Settlement [in]	0	8.37761
Virgin Consolidation Settlement [in]	0	4.08575
Recompression Consolidation Settlement [in]	0	4.2919
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.67257
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.60869
Total Stress YY [ksf]	-0.0421965	3.60869
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7489.91
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7489.91
Total Strain	-6.04029e-007	0.612886
Pore Water Pressure [ksf]	-0.000639383	1.872
Excess Pore Water Pressure [ksf]	-6.23804e-008	0.228624
Degree of Consolidation [%]	0	99.9997
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.77464
Total Consolidation Settlement [in]	0	8.77464
Virgin Consolidation Settlement [in]	0	4.16601
Recompression Consolidation Settlement [in]	0	4.60868
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.67463
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.60663
Total Stress YY [ksf]	-0.0421965	3.60663
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7441.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7441.8
Total Strain	-6.74455e-007	0.612981
Pore Water Pressure [ksf]	-0.000675197	1.872
Excess Pore Water Pressure [ksf]	-5.40091e-008	0.215016
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.04647
Total Consolidation Settlement [in]	0	9.04647
Virgin Consolidation Settlement [in]	0	4.20186
Recompression Consolidation Settlement [in]	0	4.84465
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.67605
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.60522
Total Stress YY [ksf]	-0.0421965	3.60522
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7409.08
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7409.08
Total Strain	-7.45304e-007	0.613017
Pore Water Pressure [ksf]	-0.00068164	1.872
Excess Pore Water Pressure [ksf]	-4.65522e-008	0.198104
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.28242e-006	9.24937
Total Consolidation Settlement [in]	-1.28242e-006	9.24937
Virgin Consolidation Settlement [in]	0	4.22021
Recompression Consolidation Settlement [in]	-1.28242e-006	5.0292
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.6771
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.60417
Total Stress YY [ksf]	-0.0421965	3.60417
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7385.05
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7385.05
Total Strain	-8.1681e-007	0.613057
Pore Water Pressure [ksf]	-0.000714787	1.872
Excess Pore Water Pressure [ksf]	-4.00373e-008	0.178988
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.33049e-006	9.53555
Total Consolidation Settlement [in]	-1.33049e-006	9.53555
Virgin Consolidation Settlement [in]	0	4.23731
Recompression Consolidation Settlement [in]	-1.33049e-006	5.29828
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.67859
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.60268
Total Stress YY [ksf]	-0.0421965	3.60268
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7351.27
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7351.27
Total Strain	-8.97008e-007	0.613107
Pore Water Pressure [ksf]	-0.000762044	1.872
Excess Pore Water Pressure [ksf]	-4.32882e-007	0.141928
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.42822e-006	9.64248
Total Consolidation Settlement [in]	-1.42822e-006	9.64248
Virgin Consolidation Settlement [in]	0	4.23978
Recompression Consolidation Settlement [in]	-1.42822e-006	5.40273
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.67915
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.60212
Total Stress YY [ksf]	-0.0421965	3.60212
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7338.73
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7338.73
Total Strain	-9.73422e-007	0.61312
Pore Water Pressure [ksf]	-0.000777863	1.872
Excess Pore Water Pressure [ksf]	-3.02366e-008	0.124855
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0209946

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.43494e-006	9.87639
Total Consolidation Settlement [in]	-1.43494e-006	9.87639
Virgin Consolidation Settlement [in]	0	4.25856
Recompression Consolidation Settlement [in]	-1.43494e-006	5.61784
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-2.53662e-011	1.68037
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.6009
Total Stress YY [ksf]	-0.0421965	3.6009
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7311.53
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7311.53
Total Strain	-1.06276e-006	0.613152
Pore Water Pressure [ksf]	-0.000810089	1.872
Excess Pore Water Pressure [ksf]	-4.17994e-007	0.085879
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0214781

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.37135e-006	10.2223
Total Consolidation Settlement [in]	-1.37135e-006	10.2223
Virgin Consolidation Settlement [in]	0	4.36522
Recompression Consolidation Settlement [in]	-1.37135e-006	5.85705
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.68217
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.5991
Total Stress YY [ksf]	-0.0421966	3.5991
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7271.71
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7271.71
Total Strain	-1.1744e-006	0.613195
Pore Water Pressure [ksf]	-0.000857442	1.872
Excess Pore Water Pressure [ksf]	-4.08778e-007	0.0275406
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0215667

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.32004e-006	10.3265
Total Consolidation Settlement [in]	-1.32004e-006	10.3265
Virgin Consolidation Settlement [in]	0	4.41864
Recompression Consolidation Settlement [in]	-1.32004e-006	5.90791
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-1.73711e-012	1.68271
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389251	3.59856
Total Stress YY [ksf]	-0.0421966	3.59856
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7259.77
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7259.77
Total Strain	-1.18228e-006	0.613208
Pore Water Pressure [ksf]	-0.00087259	1.872
Excess Pore Water Pressure [ksf]	-4.06459e-007	0.0093776
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0215817

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.30771e-006	10.3718
Total Consolidation Settlement [in]	-1.30771e-006	10.3718
Virgin Consolidation Settlement [in]	0	4.44254
Recompression Consolidation Settlement [in]	-1.30771e-006	5.92926
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-1.39549e-012	1.68294
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389252	3.59832
Total Stress YY [ksf]	-0.0421967	3.59832
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7254.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7254.6
Total Strain	-1.18428e-006	0.613213
Pore Water Pressure [ksf]	-0.000879105	1.872
Excess Pore Water Pressure [ksf]	-2.24625e-008	0.0011012
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0215875

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.31486e-006	10.3777
Total Consolidation Settlement [in]	-1.31486e-006	10.3777
Virgin Consolidation Settlement [in]	0	4.44567
Recompression Consolidation Settlement [in]	-1.31486e-006	5.93206
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-1.08563e-013	1.68298
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389252	3.59829
Total Stress YY [ksf]	-0.0421967	3.59829
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7253.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7253.92
Total Strain	-1.18439e-006	0.613214
Pore Water Pressure [ksf]	-0.000879926	1.872
Excess Pore Water Pressure [ksf]	-4.01107e-006	1.62152e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0215882

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.36653e-006	10.3778
Total Consolidation Settlement [in]	-1.36653e-006	10.3778
Virgin Consolidation Settlement [in]	0	4.44569
Recompression Consolidation Settlement [in]	-1.36653e-006	5.93208
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-4.66139e-013	1.68298
Effective Stress XX [ksf]	-0.0389251	1.78026
Effective Stress YY [ksf]	-0.0421965	1.78026
Total Stress ZZ [ksf]	0	3.50101
Total Stress XX [ksf]	-0.0389252	3.59829
Total Stress YY [ksf]	-0.0421967	3.59829
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7253.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7253.92
Total Strain	-1.18454e-006	0.613214
Pore Water Pressure [ksf]	-0.000879934	1.872
Excess Pore Water Pressure [ksf]	-1.03793e-005	8.86243e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0215882

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.23805 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 120 d	1	0
Stage 11 = 150 d	1	0
Stage 12 = 180 d	1	0
Stage 13 = 240 d	1	0
Stage 14 = 270 d	1	0
Stage 15 = 365 d	1	0
Stage 16 = 730 d	1	0
Stage 17 = 1095 d	1	0
Stage 18 = 1825 d	1	0
Stage 19 = 3650 d	1	0
Stage 20 = 7300 d	1	0

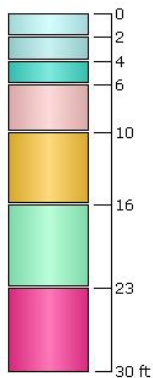
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers




Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	2	4	No
4	Very Soft Clay (CH) 4	4	6	No
5	Very Soft to Soft Clay (CH/CL)	6	10	Yes
6	Stiff Clay (CH)	7	16	Yes
7	Clayey Sand	7	23	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
Saturated Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.2	2.93	2.93	0.27
Cr	0.58	0.53	0.53	0.04
e0	6.49	4.9	4.9	1.32
OCR	10	10	5.9	1.6
Cv [ft ² /d]	0.03	0.03	0.03	0.13
Cvr [ft ² /d]	0.03	0.03	0.03	0.13
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Very Soft Clay (CH) 4	Stiff Clay (CH)	Clayey Sand
Color			
Unit Weight [kips/ft ³]	0.1	0.115	0.12
Saturated Unit Weight [kips/ft ³]	0.1	0.115	0.12
K0	1	1	1
Primary Consolidation	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	
Cc	0.65	0.21	-
Cr	0.12	0.04	-
e0	2.06	0.92	-
OCR	2.9	5	-
Cv [ft ² /d]	0.12	0.5	-
Cvr [ft ² /d]	0.12	0.5	-
B-bar	1	1	-
Undrained Su A [kips/ft ²]	0	0	0
Undrained Su S	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8
Piezo Line ID	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 75

Field Point Grid

Number of points 288
Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000

```

100 'B456 E1 +4.5 PO-169' 1 1
101 1 1 1
102 6.11 0.0001 50 -0.75 0.5 62.4 0
103 0 0 1
104 1 2.68 0.009 0.098 1.75 2.37 0.796 0.43 10
105 06.25 0.00E+00 1.41E+02
106 02.73 1.00E+00 2.45E-01
107 02.46 2.00E+00 9.02E-02
108 02.11 5.00E+00 2.41E-02
109 01.85 1.00E+01 8.88E-03
110 01.50 2.50E+01 2.37E-03
111 01.23 5.00E+01 8.74E-04
112 00.97 1.00E+02 3.22E-04
113 00.71 2.00E+02 1.19E-04
114 00.44 4.00E+02 4.37E-05
115 20
116 2.5 60 4 1 6.25 1 35
117 10 4.5 60 4 1 6.25 1 35
118 20 4.5 60 4 1 6.25 1 35
119 30 1.5 60 4 1 6.25 1 35
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

```

 Consolidation and desiccation of soft layers---dredged fill

Problem B456 E1 +4.5 PO-169

*****Soil data for dredged fill*****

Material Type	Specific Gravity	Ca/Cc	Cr/Cc	Saturation Limit	Disiccation Limit	Max. Crust Depth	Saturation at DL
1	2.680	0.009	0.098	2.370	1.750	0.183	0.430

Material type : 1

	Void Ratio	Effective Stress	Perm-eability	k/1+e PK	Beta	Dsde	Alpha
1	6.250	0.000E+00	0.141E+03	0.194E+02	0.551E+01	-0.284E+00	-0.553E+01
2	2.730	0.100E+01	0.245E+00	0.657E-01	0.512E+01	-0.528E+00	-0.347E-01
3	2.460	0.200E+01	0.902E-01	0.261E-01	0.934E-01	-0.645E+01	-0.168E+00
4	2.110	0.500E+01	0.241E-01	0.775E-02	0.376E-01	-0.131E+02	-0.102E+00
5	1.850	0.100E+02	0.888E-02	0.312E-02	0.111E-01	-0.328E+02	-0.102E+00
6	1.500	0.250E+02	0.237E-02	0.948E-03	0.439E-02	-0.645E+02	-0.612E-01
7	1.230	0.500E+02	0.874E-03	0.392E-03	0.148E-02	-0.142E+03	-0.555E-01
8	0.970	0.100E+03	0.322E-03	0.163E-03	0.620E-03	-0.288E+03	-0.471E-01
9	0.710	0.200E+03	0.119E-03	0.696E-04	0.251E-03	-0.566E+03	-0.394E-01
10	0.440	0.400E+03	0.437E-04	0.303E-04	0.145E-03	-0.741E+03	-0.225E-01

Summary of lifts and print detail

Time days	Material Type	Fill Height	# Sub-layers	Void ratio	Start Day	Dessic. Month	Print detail
0.	1	2.5	35	6.25	60.	4	1
10.	1	4.5	35	6.25	60.	4	1
20.	1	4.5	35	6.25	60.	4	1
30.	1	1.5	35	6.25	60.	4	1
31.					60.	4	1
45.					60.	4	1
75.					60.	4	1
90.					60.	4	1
150.					60.	4	1
180.					60.	4	1
210.					60.	4	1
240.					60.	4	1
270.					60.	4	1

	B445.pso		
365.	60.	4	1
455.	60.	4	1
730.	60.	4	1
1095.	60.	4	1
1825.	60.	4	1
3650.	60.	4	1
7300.	60.	4	1

Summary of monthly rainfall and evaporation potential

Month	Rainfall	Evaporation
1	0.470	0.190
2	0.410	0.280
3	0.440	0.400
4	0.360	0.540
5	0.430	0.600
6	0.460	0.640
7	0.570	0.560
8	0.580	0.530
9	0.420	0.460
10	0.320	0.440
11	0.370	0.290
12	0.410	0.210

*****Calculation data*****

tau	Lower layer Void ratio	Lower layer Permeability	drainage path Length
.195E-03	6.110	0.10000E-03	z = 7.03

Summary of desiccation parameters

Parameter	value
Surface Drainage Efficiency	0.80
maximum evaporation efficiency	0.80

B445.pso

time to desic. after initial fill	60.00
month of initial desiccation	4
elevation of fixed water table	0.50
elevation of top of incompres. found.	-0.75

=====

*****Initial Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
2.50	2.50	0.34	6.25	6.25	6.25	1
2.43	2.43	0.33	6.25	6.25	2.72	1
2.36	2.36	0.33	6.25	6.25	2.45	1
2.29	2.29	0.32	6.25	6.25	2.33	1
2.21	2.21	0.31	6.25	6.25	2.21	1
2.14	2.14	0.30	6.25	6.25	2.10	1
2.07	2.07	0.29	6.25	6.25	2.05	1
2.00	2.00	0.28	6.25	6.25	1.99	1
1.93	1.93	0.27	6.25	6.25	1.94	1
1.86	1.86	0.26	6.25	6.25	1.89	1
1.79	1.79	0.25	6.25	6.25	1.84	1
1.71	1.71	0.24	6.25	6.25	1.82	1
1.64	1.64	0.23	6.25	6.25	1.79	1
1.57	1.57	0.22	6.25	6.25	1.77	1
1.50	1.50	0.21	6.25	6.25	1.75	1
1.43	1.43	0.20	6.25	6.25	1.72	1
1.36	1.36	0.19	6.25	6.25	1.70	1
1.29	1.29	0.18	6.25	6.25	1.67	1
1.21	1.21	0.17	6.25	6.25	1.65	1
1.14	1.14	0.16	6.25	6.25	1.63	1
1.07	1.07	0.15	6.25	6.25	1.60	1
1.00	1.00	0.14	6.25	6.25	1.58	1
0.93	0.93	0.13	6.25	6.25	1.55	1
0.86	0.86	0.12	6.25	6.25	1.53	1
0.79	0.79	0.11	6.25	6.25	1.50	1
0.71	0.71	0.10	6.25	6.25	1.49	1
0.64	0.64	0.09	6.25	6.25	1.48	1
0.57	0.57	0.08	6.25	6.25	1.47	1
0.50	0.50	0.07	6.25	6.25	1.46	1
0.43	0.43	0.06	6.25	6.25	1.45	1
0.36	0.36	0.05	6.25	6.25	1.44	1
0.29	0.29	0.04	6.25	6.25	1.42	1
0.21	0.21	0.03	6.25	6.25	1.41	1
0.14	0.14	0.02	6.25	6.25	1.40	1
0.07	0.07	0.01	6.25	6.25	1.39	1
0.00	0.00	0.00	6.25	6.25	1.38	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.50	0.00	0.00	0.00	0.00	0.00	1
2.43	5.49	0.00	5.49	4.46	1.03	1
2.36	10.98	0.00	10.98	8.91	2.07	1
2.29	16.47	0.00	16.47	13.37	3.10	1
2.21	21.96	0.00	21.96	17.83	4.13	1
2.14	27.45	0.00	27.45	22.29	5.16	1

			B445.pso			
2.07	32.94	0.00	32.94	26.74	6.20	1
2.00	38.43	0.00	38.43	31.20	7.23	1
1.93	43.92	0.00	43.92	35.66	8.26	1
1.86	49.41	0.00	49.41	40.11	9.30	1
1.79	54.90	0.00	54.90	44.57	10.33	1
1.71	60.39	0.00	60.39	49.03	11.36	1
1.64	65.88	0.00	65.88	53.49	12.39	1
1.57	71.37	0.00	71.37	57.94	13.43	1
1.50	76.86	0.00	76.86	62.40	14.46	1
1.43	82.35	0.00	82.35	66.86	15.49	1
1.36	87.84	0.00	87.84	71.31	16.53	1
1.29	93.33	0.00	93.33	75.77	17.56	1
1.21	98.82	0.00	98.82	80.23	18.59	1
1.14	104.31	0.00	104.31	84.69	19.62	1
1.07	109.80	0.00	109.80	89.14	20.66	1
1.00	115.29	0.00	115.29	93.60	21.69	1
0.93	120.78	0.00	120.78	98.06	22.72	1
0.86	126.27	0.00	126.27	102.51	23.76	1
0.79	131.76	0.00	131.76	106.97	24.79	1
0.71	137.25	0.00	137.25	111.43	25.82	1
0.64	142.74	0.00	142.74	115.89	26.85	1
0.57	148.23	0.00	148.23	120.34	27.89	1
0.50	153.72	0.00	153.72	124.80	28.92	1
0.43	159.21	0.00	159.21	129.26	29.95	1
0.36	164.70	0.00	164.70	133.71	30.98	1
0.29	170.19	0.00	170.19	138.17	32.02	1
0.21	175.68	0.00	175.68	142.63	33.05	1
0.14	181.17	0.00	181.17	147.09	34.08	1
0.07	186.66	0.00	186.66	151.54	35.12	1
0.00	192.15	0.00	192.15	156.00	36.15	1

Time = 0. Degree of Consolidation = 0.0%

Total Settlement = 0.000

Settlement at End of Primary Consolidation = 1.539

Settlement caused by Primary Consolidation at time 0. = 0.000

Settlement caused by Secondary Compression at time 0. = 0.000

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eop	Material
2.50	1.01	0.34	6.25	6.25	6.25	1
2.43	0.96	0.33	6.25	2.72	2.72	1
2.36	0.92	0.33	6.25	2.45	2.45	1
2.29	0.89	0.32	6.25	2.33	2.33	1
2.21	0.86	0.31	6.25	2.21	2.21	1
2.14	0.83	0.30	6.25	2.13	2.10	1
2.07	0.80	0.29	6.25	2.06	2.05	1
2.00	0.77	0.28	6.25	2.02	1.99	1
1.93	0.74	0.27	6.25	1.98	1.94	1
1.86	0.71	0.26	6.25	1.95	1.89	1
1.79	0.68	0.25	6.25	1.93	1.84	1
1.71	0.65	0.24	6.25	1.91	1.82	1

			B445.pso			
1.64	0.62	0.23	6.25	1.89	1.79	1
1.57	0.59	0.22	6.25	1.88	1.77	1
1.50	0.56	0.21	6.25	1.87	1.75	1
1.43	0.54	0.20	6.25	1.85	1.72	1
1.36	0.51	0.19	6.25	1.84	1.70	1
1.29	0.48	0.18	6.25	1.83	1.67	1
1.21	0.45	0.17	6.25	1.81	1.65	1
1.14	0.42	0.16	6.25	1.80	1.63	1
1.07	0.40	0.15	6.25	1.79	1.60	1
1.00	0.37	0.14	6.25	1.78	1.58	1
0.93	0.34	0.13	6.25	1.76	1.55	1
0.86	0.32	0.12	6.25	1.75	1.53	1
0.79	0.29	0.11	6.25	1.74	1.50	1
0.71	0.26	0.10	6.25	1.72	1.49	1
0.64	0.23	0.09	6.25	1.71	1.48	1
0.57	0.21	0.08	6.25	1.70	1.47	1
0.50	0.18	0.07	6.25	1.68	1.46	1
0.43	0.15	0.06	6.25	1.67	1.45	1
0.36	0.13	0.05	6.25	1.65	1.44	1
0.29	0.10	0.04	6.25	1.64	1.42	1
0.21	0.08	0.03	6.25	1.62	1.41	1
0.14	0.05	0.02	6.25	1.60	1.40	1
0.07	0.03	0.01	6.25	1.59	1.39	1
0.00	0.00	0.00	6.25	1.57	1.38	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.01	15.07	0.00	15.07	15.07	0.00	1
0.96	19.23	1.03	18.20	18.20	0.00	1
0.92	22.45	2.07	20.39	20.39	0.00	1
0.89	25.57	3.10	22.47	22.47	0.00	1
0.86	28.61	4.10	24.51	24.48	0.03	1
0.83	31.59	4.84	26.75	26.43	0.32	1
0.80	34.53	5.88	28.65	28.33	0.32	1
0.77	37.43	6.78	30.65	30.20	0.45	1
0.74	40.31	7.46	32.85	32.05	0.80	1
0.71	43.17	8.00	35.17	33.87	1.30	1
0.68	46.01	8.44	37.57	35.68	1.89	1
0.65	48.84	8.82	40.02	37.47	2.55	1
0.62	51.65	9.14	42.51	39.26	3.25	1
0.59	54.46	9.44	45.02	41.03	3.99	1
0.56	57.26	9.71	47.55	42.80	4.75	1
0.54	60.05	9.96	50.09	44.56	5.53	1
0.51	62.83	10.46	52.37	46.31	6.07	1
0.48	65.61	11.00	54.61	48.05	6.56	1
0.45	68.37	11.53	56.84	49.78	7.06	1
0.42	71.13	12.06	59.07	51.51	7.56	1
0.40	73.88	12.60	61.29	53.23	8.06	1
0.37	76.63	13.13	63.49	54.94	8.56	1
0.34	79.36	13.68	65.68	56.64	9.04	1
0.32	82.09	14.23	67.86	58.34	9.52	1
0.29	84.81	14.80	70.01	60.02	9.99	1
0.26	87.52	15.37	72.15	61.70	10.45	1
0.23	90.23	15.96	74.27	63.37	10.89	1
0.21	92.92	16.56	76.36	65.04	11.32	1
0.18	95.61	17.18	78.43	66.69	11.74	1
0.15	98.29	17.81	80.47	68.33	12.14	1
0.13	100.95	18.46	82.49	69.97	12.52	1
0.10	103.61	19.13	84.48	71.60	12.89	1
0.08	106.26	19.81	86.45	73.21	13.24	1
0.05	108.90	20.52	88.38	74.82	13.56	1

0.03	111.53	21.25	B445.pso 90.29	76.41	13.87	1
0.00	114.15	21.99	92.15	78.00	14.15	1

Time = 10. Degree of Consolidation = 97.0%

Total Settlement = 1.492

Settlement at End of Primary Consolidation = 1.539

Settlement caused by Primary Consolidation at time 10. = 1.492

Settlement caused by Secondary Compression at time 10. = 0.000

Surface Elevation = 0.26

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.80	0.97	6.25	6.25	6.25	1
6.87	2.71	0.95	6.25	2.53	2.50	1
6.74	2.65	0.93	6.25	2.29	2.26	1
6.61	2.60	0.91	6.25	2.19	2.08	1
6.49	2.54	0.89	6.25	2.13	1.98	1
6.36	2.49	0.88	6.25	2.11	1.89	1
6.23	2.43	0.86	6.25	2.09	1.82	1
6.10	2.38	0.84	6.25	2.07	1.78	1
5.97	2.32	0.82	6.25	2.06	1.74	1
5.84	2.27	0.81	6.25	2.05	1.69	1
5.71	2.21	0.79	6.25	2.05	1.65	1
5.59	2.16	0.77	6.25	2.04	1.61	1
5.46	2.11	0.75	6.25	2.03	1.56	1
5.33	2.05	0.73	6.25	2.02	1.52	1
5.20	2.00	0.72	6.25	2.01	1.49	1
5.07	1.95	0.70	6.25	2.00	1.47	1
4.94	1.89	0.68	6.25	2.00	1.45	1
4.81	1.84	0.66	6.25	1.99	1.43	1
4.69	1.79	0.65	6.25	1.98	1.41	1
4.56	1.73	0.63	6.25	1.97	1.39	1
4.43	1.68	0.61	6.25	1.96	1.37	1
4.30	1.63	0.59	6.25	1.95	1.35	1
4.17	1.58	0.58	6.25	1.94	1.33	1
4.04	1.52	0.56	6.25	1.93	1.31	1
3.91	1.47	0.54	6.25	1.92	1.29	1
3.79	1.42	0.52	6.25	1.92	1.27	1
3.66	1.37	0.50	6.25	1.91	1.25	1
3.53	1.32	0.49	6.25	1.90	1.23	1
3.40	1.27	0.47	6.25	1.89	1.22	1
3.27	1.21	0.45	6.25	1.88	1.21	1
3.14	1.16	0.43	6.25	1.87	1.20	1
3.01	1.11	0.42	6.25	1.86	1.19	1
2.89	1.06	0.40	6.25	1.84	1.18	1
2.76	1.01	0.38	6.25	1.83	1.17	1
2.63	0.96	0.36	6.25	1.82	1.16	1
2.50	0.91	0.34	6.25	1.81	1.15	1
2.50	0.91	0.34	6.25	1.81	1.15	1
2.43	0.88	0.33	6.25	1.80	1.15	1

			B445.pso			
2.36	0.86	0.33	6.25	1.79	1.14	1
2.29	0.83	0.32	6.25	1.78	1.14	1
2.21	0.80	0.31	6.25	1.78	1.13	1
2.14	0.78	0.30	6.25	1.77	1.12	1
2.07	0.75	0.29	6.25	1.76	1.12	1
2.00	0.72	0.28	6.25	1.75	1.11	1
1.93	0.69	0.27	6.25	1.74	1.11	1
1.86	0.67	0.26	6.25	1.74	1.10	1
1.79	0.64	0.25	6.25	1.73	1.10	1
1.71	0.61	0.24	6.25	1.72	1.09	1
1.64	0.59	0.23	6.25	1.71	1.09	1
1.57	0.56	0.22	6.25	1.70	1.08	1
1.50	0.53	0.21	6.25	1.69	1.08	1
1.43	0.51	0.20	6.25	1.68	1.07	1
1.36	0.48	0.19	6.25	1.67	1.07	1
1.29	0.45	0.18	6.25	1.66	1.06	1
1.21	0.43	0.17	6.25	1.65	1.05	1
1.14	0.40	0.16	6.25	1.64	1.05	1
1.07	0.38	0.15	6.25	1.63	1.04	1
1.00	0.35	0.14	6.25	1.62	1.04	1
0.93	0.32	0.13	6.25	1.61	1.03	1
0.86	0.30	0.12	6.25	1.60	1.03	1
0.79	0.27	0.11	6.25	1.59	1.02	1
0.71	0.25	0.10	6.25	1.57	1.02	1
0.64	0.22	0.09	6.25	1.56	1.01	1
0.57	0.20	0.08	6.25	1.55	1.01	1
0.50	0.17	0.07	6.25	1.54	1.00	1
0.43	0.15	0.06	6.25	1.53	1.00	1
0.36	0.12	0.05	6.25	1.51	0.99	1
0.29	0.10	0.04	6.25	1.50	0.99	1
0.21	0.07	0.03	6.25	1.49	0.98	1
0.14	0.05	0.02	6.25	1.48	0.97	1
0.07	0.02	0.01	6.25	1.46	0.97	1
0.00	0.00	0.00	6.25	1.45	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.80	0.00	0.00	0.00	0.00	0.00	1
2.71	7.35	1.75	5.60	5.49	0.11	1
2.65	12.96	3.49	9.47	9.24	0.23	1
2.60	18.39	4.35	14.04	12.82	1.23	1
2.54	23.75	4.79	18.95	16.31	2.64	1
2.49	29.06	5.09	23.97	19.76	4.21	1
2.43	34.34	5.44	28.91	23.19	5.72	1
2.38	39.61	5.68	33.93	26.60	7.33	1
2.32	44.86	5.88	38.98	29.99	8.99	1
2.27	50.11	6.06	44.05	33.38	10.67	1
2.21	55.34	6.23	49.12	36.75	12.36	1
2.16	60.57	6.39	54.18	40.12	14.06	1
2.11	65.79	6.56	59.23	43.48	15.75	1
2.05	70.99	6.72	64.27	46.82	17.45	1
2.00	76.19	6.88	69.31	50.16	19.15	1
1.95	81.38	7.05	74.33	53.49	20.84	1
1.89	86.55	7.21	79.35	56.81	22.54	1
1.84	91.72	7.37	84.35	60.12	24.23	1
1.79	96.88	7.54	89.34	63.42	25.92	1
1.73	102.03	7.71	94.32	66.71	27.61	1
1.68	107.17	7.88	99.30	69.99	29.30	1
1.63	112.30	8.05	104.26	73.26	30.99	1
1.58	117.42	8.22	109.20	76.52	32.68	1
1.52	122.53	8.39	114.14	79.77	34.37	1

			B445.pso			
1.47	127.63	8.57	119.07	83.02	36.05	1
1.42	132.72	8.75	123.98	86.25	37.73	1
1.37	137.80	8.93	128.88	89.47	39.41	1
1.32	142.87	9.11	133.76	92.68	41.08	1
1.27	147.93	9.30	138.63	95.88	42.75	1
1.21	152.98	9.49	143.49	99.07	44.42	1
1.16	158.02	9.69	148.32	102.24	46.08	1
1.11	163.04	9.90	153.14	105.41	47.73	1
1.06	168.05	10.25	157.80	108.56	49.24	1
1.01	173.05	10.76	162.29	111.70	50.59	1
0.96	178.04	11.29	166.75	114.83	51.92	1
0.91	183.01	11.85	171.16	117.94	53.22	1
0.91	183.01	11.85	171.16	117.94	53.22	1
0.88	185.77	12.16	173.61	119.67	53.94	1
0.86	188.52	12.48	176.04	121.39	54.66	1
0.83	191.27	12.80	178.46	123.10	55.36	1
0.80	194.01	13.14	180.87	124.81	56.06	1
0.78	196.75	13.48	183.27	126.51	56.75	1
0.75	199.48	13.83	185.65	128.21	57.43	1
0.72	202.21	14.19	188.02	129.91	58.11	1
0.69	204.93	14.55	190.38	131.60	58.78	1
0.67	207.65	14.93	192.72	133.28	59.44	1
0.64	210.36	15.30	195.05	134.96	60.09	1
0.61	213.06	15.69	197.37	136.63	60.74	1
0.59	215.76	16.09	199.68	138.30	61.38	1
0.56	218.46	16.49	201.97	139.96	62.01	1
0.53	221.15	16.89	204.25	141.62	62.64	1
0.51	223.83	17.31	206.52	143.27	63.25	1
0.48	226.51	17.73	208.78	144.91	63.87	1
0.45	229.18	18.15	211.02	146.55	64.47	1
0.43	231.84	18.59	213.25	148.18	65.07	1
0.40	234.50	19.03	215.47	149.81	65.66	1
0.38	237.15	19.48	217.68	151.43	66.25	1
0.35	239.80	19.93	219.87	153.04	66.83	1
0.32	242.44	20.39	222.05	154.65	67.40	1
0.30	245.07	20.86	224.21	156.25	67.96	1
0.27	247.70	21.34	226.36	157.84	68.52	1
0.25	250.32	21.82	228.49	159.43	69.06	1
0.22	252.93	22.32	230.61	161.01	69.60	1
0.20	255.53	22.82	232.71	162.58	70.13	1
0.17	258.13	23.33	234.80	164.14	70.66	1
0.15	260.72	23.85	236.87	165.70	71.17	1
0.12	263.30	24.39	238.91	167.25	71.67	1
0.10	265.88	24.93	240.94	168.79	72.15	1
0.07	268.44	26.06	242.39	170.33	72.06	1
0.05	271.00	27.26	243.74	171.85	71.89	1
0.02	273.55	28.47	245.08	173.37	71.71	1
0.00	276.10	29.68	246.41	174.88	71.53	1

Time = 20. Degree of Consolidation = 89.0%

Total Settlement = 4.197

Settlement at End of Primary Consolidation = 4.700

Settlement caused by Primary Consolidation at time 20. = 4.197

Settlement caused by Secondary Compression at time 20. = 0.000

surface Elevation = 2.05

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
11.50	4.58	1.59	6.25	6.25	6.25	1
11.37	4.49	1.57	6.25	2.53	2.50	1
11.24	4.43	1.55	6.25	2.30	2.26	1
11.11	4.37	1.53	6.25	2.21	2.08	1
10.99	4.31	1.52	6.25	2.16	1.98	1
10.86	4.26	1.50	6.25	2.14	1.89	1
10.73	4.20	1.48	6.25	2.12	1.82	1
10.60	4.15	1.46	6.25	2.11	1.78	1
10.47	4.09	1.44	6.25	2.10	1.74	1
10.34	4.04	1.43	6.25	2.10	1.69	1
10.21	3.98	1.41	6.25	2.09	1.65	1
10.09	3.93	1.39	6.25	2.09	1.61	1
9.96	3.87	1.37	6.25	2.08	1.56	1
9.83	3.82	1.36	6.25	2.07	1.52	1
9.70	3.76	1.34	6.25	2.07	1.49	1
9.57	3.71	1.32	6.25	2.06	1.47	1
9.44	3.66	1.30	6.25	2.06	1.45	1
9.31	3.60	1.28	6.25	2.05	1.43	1
9.19	3.55	1.27	6.25	2.04	1.41	1
9.06	3.49	1.25	6.25	2.04	1.39	1
8.93	3.44	1.23	6.25	2.03	1.37	1
8.80	3.39	1.21	6.25	2.03	1.35	1
8.67	3.33	1.20	6.25	2.02	1.33	1
8.54	3.28	1.18	6.25	2.02	1.31	1
8.41	3.22	1.16	6.25	2.01	1.29	1
8.29	3.17	1.14	6.25	2.01	1.27	1
8.16	3.12	1.13	6.25	2.00	1.25	1
8.03	3.07	1.11	6.25	1.99	1.23	1
7.90	3.01	1.09	6.25	1.99	1.22	1
7.77	2.96	1.07	6.25	1.98	1.21	1
7.64	2.91	1.05	6.25	1.98	1.20	1
7.51	2.85	1.04	6.25	1.97	1.19	1
7.39	2.80	1.02	6.25	1.97	1.18	1
7.26	2.75	1.00	6.25	1.96	1.17	1
7.13	2.70	0.98	6.25	1.96	1.16	1
7.00	2.64	0.97	6.25	1.95	1.15	1
7.00	2.64	0.97	6.25	1.95	1.15	1
6.87	2.59	0.95	6.25	1.95	1.14	1
6.74	2.54	0.93	6.25	1.94	1.13	1
6.61	2.49	0.91	6.25	1.94	1.12	1
6.49	2.43	0.89	6.25	1.93	1.11	1
6.36	2.38	0.88	6.25	1.93	1.10	1
6.23	2.33	0.86	6.25	1.92	1.09	1
6.10	2.28	0.84	6.25	1.92	1.08	1
5.97	2.23	0.82	6.25	1.91	1.07	1
5.84	2.18	0.81	6.25	1.91	1.06	1
5.71	2.12	0.79	6.25	1.90	1.05	1
5.59	2.07	0.77	6.25	1.90	1.05	1
5.46	2.02	0.75	6.25	1.89	1.04	1
5.33	1.97	0.73	6.25	1.88	1.03	1
5.20	1.92	0.72	6.25	1.88	1.02	1
5.07	1.87	0.70	6.25	1.87	1.01	1
4.94	1.82	0.68	6.25	1.87	1.00	1
4.81	1.77	0.66	6.25	1.86	0.99	1
4.69	1.72	0.65	6.25	1.85	0.98	1

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4.56	1.66	0.63	6.25	1.85	0.97	1
4.43	1.61	0.61	6.25	1.84	0.96	1
4.30	1.56	0.59	6.25	1.83	0.96	1
4.17	1.51	0.58	6.25	1.82	0.95	1
4.04	1.46	0.56	6.25	1.81	0.95	1
3.91	1.41	0.54	6.25	1.81	0.94	1
3.79	1.36	0.52	6.25	1.80	0.94	1
3.66	1.32	0.50	6.25	1.79	0.94	1
3.53	1.27	0.49	6.25	1.78	0.93	1
3.40	1.22	0.47	6.25	1.77	0.93	1
3.27	1.17	0.45	6.25	1.76	0.92	1
3.14	1.12	0.43	6.25	1.75	0.92	1
3.01	1.07	0.42	6.25	1.73	0.91	1
2.89	1.02	0.40	6.25	1.72	0.91	1
2.76	0.97	0.38	6.25	1.71	0.90	1
2.63	0.93	0.36	6.25	1.70	0.90	1
2.50	0.88	0.34	6.25	1.69	0.89	1
2.50	0.88	0.34	6.25	1.69	0.89	1
2.43	0.85	0.33	6.25	1.68	0.89	1
2.36	0.83	0.33	6.25	1.67	0.89	1
2.29	0.80	0.32	6.25	1.67	0.88	1
2.21	0.77	0.31	6.25	1.66	0.88	1
2.14	0.75	0.30	6.25	1.65	0.88	1
2.07	0.72	0.29	6.25	1.64	0.88	1
2.00	0.69	0.28	6.25	1.64	0.87	1
1.93	0.67	0.27	6.25	1.63	0.87	1
1.86	0.64	0.26	6.25	1.62	0.87	1
1.79	0.62	0.25	6.25	1.61	0.86	1
1.71	0.59	0.24	6.25	1.61	0.86	1
1.64	0.57	0.23	6.25	1.60	0.86	1
1.57	0.54	0.22	6.25	1.59	0.86	1
1.50	0.51	0.21	6.25	1.58	0.85	1
1.43	0.49	0.20	6.25	1.57	0.85	1
1.36	0.46	0.19	6.25	1.57	0.85	1
1.29	0.44	0.18	6.25	1.56	0.85	1
1.21	0.41	0.17	6.25	1.55	0.84	1
1.14	0.39	0.16	6.25	1.54	0.84	1
1.07	0.36	0.15	6.25	1.53	0.84	1
1.00	0.34	0.14	6.25	1.52	0.84	1
0.93	0.31	0.13	6.25	1.51	0.83	1
0.86	0.29	0.12	6.25	1.50	0.83	1
0.79	0.26	0.11	6.25	1.49	0.83	1
0.71	0.24	0.10	6.25	1.48	0.82	1
0.64	0.22	0.09	6.25	1.47	0.82	1
0.57	0.19	0.08	6.25	1.46	0.82	1
0.50	0.17	0.07	6.25	1.45	0.82	1
0.43	0.14	0.06	6.25	1.44	0.81	1
0.36	0.12	0.05	6.25	1.43	0.81	1
0.29	0.09	0.04	6.25	1.42	0.81	1
0.21	0.07	0.03	6.25	1.41	0.81	1
0.14	0.05	0.02	6.25	1.40	0.80	1
0.07	0.02	0.01	6.25	1.39	0.80	1
0.00	0.00	0.00	6.25	1.38	0.80	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.58	0.00	0.00	0.00	0.00	0.00	1
4.49	7.35	1.75	5.60	5.49	0.11	1
4.43	12.96	3.39	9.58	9.24	0.33	1
4.37	18.42	4.18	14.24	12.84	1.40	1
4.31	23.79	4.57	19.23	16.36	2.87	1

4.26	29.14	4.77	B445.pso 24.36	19.84	4.52	1
4.20	34.46	4.90	29.56	23.30	6.26	1
4.15	39.77	4.98	34.79	26.75	8.04	1
4.09	45.07	5.10	39.96	30.19	9.77	1
4.04	50.36	5.23	45.12	33.62	11.50	1
3.98	55.64	5.35	50.29	37.05	13.24	1
3.93	60.92	5.47	55.44	40.47	14.98	1
3.87	66.19	5.59	60.60	43.88	16.72	1
3.82	71.45	5.70	65.75	47.28	18.46	1
3.76	76.71	5.82	70.89	50.68	20.21	1
3.71	81.96	5.93	76.02	54.07	21.95	1
3.66	87.20	6.04	81.16	57.46	23.70	1
3.60	92.44	6.16	86.28	60.83	25.45	1
3.55	97.67	6.27	91.40	64.21	27.20	1
3.49	102.89	6.38	96.52	67.57	28.95	1
3.44	108.11	6.48	101.63	70.93	30.70	1
3.39	113.32	6.59	106.73	74.28	32.45	1
3.33	118.53	6.70	111.83	77.63	34.20	1
3.28	123.73	6.80	116.93	80.97	35.96	1
3.22	128.92	6.91	122.02	84.31	37.71	1
3.17	134.11	7.01	127.10	87.64	39.47	1
3.12	139.29	7.11	132.18	90.96	41.23	1
3.07	144.47	7.21	137.26	94.28	42.98	1
3.01	149.64	7.31	142.33	97.59	44.74	1
2.96	154.81	7.41	147.39	100.89	46.50	1
2.91	159.96	7.51	152.45	104.19	48.26	1
2.85	165.12	7.61	157.51	107.49	50.02	1
2.80	170.27	7.71	162.56	110.77	51.78	1
2.75	175.41	7.81	167.60	114.06	53.54	1
2.70	180.54	7.91	172.64	117.33	55.30	1
2.64	185.67	8.01	177.67	120.61	57.06	1
2.64	185.67	8.01	177.67	120.61	57.06	1
2.59	190.80	8.10	182.70	123.87	58.82	1
2.54	195.92	8.20	187.72	127.13	60.58	1
2.49	201.03	8.30	192.73	130.39	62.34	1
2.43	206.14	8.40	197.74	133.63	64.10	1
2.38	211.24	8.50	202.74	136.88	65.86	1
2.33	216.34	8.60	207.74	140.12	67.62	1
2.28	221.43	8.70	212.73	143.35	69.38	1
2.23	226.51	8.80	217.71	146.57	71.14	1
2.18	231.59	8.91	222.68	149.79	72.89	1
2.12	236.66	9.01	227.65	153.01	74.65	1
2.07	241.73	9.12	232.61	156.21	76.40	1
2.02	246.79	9.23	237.56	159.41	78.15	1
1.97	251.85	9.34	242.51	162.61	79.90	1
1.92	256.89	9.45	247.44	165.80	81.64	1
1.87	261.93	9.57	252.36	168.98	83.38	1
1.82	266.97	9.69	257.28	172.15	85.12	1
1.77	272.00	9.81	262.18	175.32	86.86	1
1.72	277.02	9.94	267.07	178.48	88.59	1
1.66	282.03	10.17	271.85	181.64	90.22	1
1.61	287.03	10.49	276.54	184.78	91.76	1
1.56	292.03	10.82	281.20	187.92	93.29	1
1.51	297.02	11.17	285.84	191.05	94.80	1
1.46	301.99	11.54	290.46	194.17	96.29	1
1.41	306.96	11.91	295.05	197.28	97.77	1
1.36	311.92	12.31	299.61	200.37	99.24	1
1.32	316.87	12.71	304.15	203.46	100.69	1
1.27	321.81	13.14	308.67	206.54	102.13	1
1.22	326.73	13.57	313.16	209.61	103.55	1
1.17	331.65	14.02	317.63	212.67	104.96	1
1.12	336.55	14.48	322.07	215.71	106.36	1
1.07	341.44	14.96	326.48	218.74	107.74	1

			B445.pso			
1.02	346.32	15.44	330.88	221.76	109.12	1
0.97	351.19	15.94	335.24	224.77	110.47	1
0.93	356.04	16.46	339.58	227.76	111.82	1
0.88	360.88	16.98	343.90	230.74	113.16	1
0.88	360.88	16.98	343.90	230.74	113.16	1
0.85	363.56	17.27	346.29	232.39	113.90	1
0.83	366.24	17.57	348.67	234.04	114.63	1
0.80	368.91	17.87	351.05	235.68	115.37	1
0.77	371.58	18.17	353.41	237.32	116.10	1
0.75	374.25	18.48	355.77	238.95	116.82	1
0.72	376.91	18.79	358.12	240.58	117.54	1
0.69	379.57	19.11	360.46	242.20	118.26	1
0.67	382.22	19.43	362.79	243.82	118.97	1
0.64	384.87	19.76	365.11	245.43	119.68	1
0.62	387.51	20.09	367.42	247.04	120.38	1
0.59	390.15	20.42	369.73	248.65	121.08	1
0.57	392.78	20.76	372.02	250.25	121.77	1
0.54	395.41	21.10	374.30	251.84	122.46	1
0.51	398.03	21.45	376.58	253.43	123.14	1
0.49	400.65	21.81	378.84	255.02	123.82	1
0.46	403.26	22.17	381.09	256.60	124.49	1
0.44	405.87	22.53	383.34	258.18	125.16	1
0.41	408.47	22.91	385.57	259.74	125.82	1
0.39	411.07	23.28	387.78	261.31	126.48	1
0.36	413.66	23.67	389.99	262.87	127.12	1
0.34	416.25	24.06	392.18	264.42	127.76	1
0.31	418.83	24.47	394.36	265.97	128.39	1
0.29	421.40	24.88	396.53	267.51	129.01	1
0.26	423.97	25.64	398.33	269.05	129.29	1
0.24	426.53	26.55	399.98	270.58	129.41	1
0.22	429.09	27.47	401.62	272.10	129.52	1
0.19	431.64	28.40	403.24	273.62	129.63	1
0.17	434.18	29.33	404.86	275.13	129.73	1
0.14	436.72	30.27	406.45	276.63	129.82	1
0.12	439.25	31.21	408.04	278.13	129.91	1
0.09	441.78	32.16	409.62	279.62	129.99	1
0.07	444.30	33.12	411.18	281.11	130.07	1
0.05	446.81	34.08	412.73	282.59	130.14	1
0.02	449.32	35.05	414.27	284.06	130.21	1
0.00	451.82	36.02	415.80	285.53	130.27	1

Time = 30. Degree of Consolidation = 86.0%

Total Settlement = 6.924

Settlement at End of Primary Consolidation = 8.032

Settlement caused by Primary Consolidation at time 30. = 6.924

Settlement caused by Secondary Compression at time 30. = 0.000

Surface Elevation = 3.83

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
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DRAFT

			B445.pso			
13.00	5.23	1.79	6.25	6.25	6.25	1
12.96	5.20	1.79	6.25	4.25	4.07	1
12.91	5.17	1.78	6.25	2.67	2.67	1
12.87	5.15	1.78	6.25	2.50	2.50	1
12.83	5.13	1.77	6.25	2.46	2.40	1
12.79	5.11	1.76	6.25	2.45	2.33	1
12.74	5.09	1.76	6.25	2.43	2.26	1
12.70	5.07	1.75	6.25	2.42	2.19	1
12.66	5.05	1.75	6.25	2.41	2.11	1
12.61	5.03	1.74	6.25	2.41	2.08	1
12.57	5.01	1.73	6.25	2.40	2.05	1
12.53	4.99	1.73	6.25	2.39	2.02	1
12.49	4.97	1.72	6.25	2.39	1.98	1
12.44	4.95	1.72	6.25	2.38	1.95	1
12.40	4.93	1.71	6.25	2.37	1.92	1
12.36	4.91	1.70	6.25	2.36	1.89	1
12.31	4.89	1.70	6.25	2.36	1.85	1
12.27	4.87	1.69	6.25	2.35	1.84	1
12.23	4.85	1.69	6.25	2.34	1.82	1
12.19	4.83	1.68	6.25	2.33	1.81	1
12.14	4.81	1.67	6.25	2.32	1.79	1
12.10	4.79	1.67	6.25	2.32	1.78	1
12.06	4.77	1.66	6.25	2.31	1.77	1
12.01	4.75	1.66	6.25	2.30	1.75	1
11.97	4.73	1.65	6.25	2.29	1.74	1
11.93	4.71	1.65	6.25	2.28	1.72	1
11.89	4.69	1.64	6.25	2.27	1.71	1
11.84	4.67	1.63	6.25	2.26	1.69	1
11.80	4.65	1.63	6.25	2.26	1.68	1
11.76	4.63	1.62	6.25	2.25	1.66	1
11.71	4.62	1.62	6.25	2.24	1.65	1
11.67	4.60	1.61	6.25	2.23	1.64	1
11.63	4.58	1.60	6.25	2.22	1.62	1
11.59	4.56	1.60	6.25	2.21	1.61	1
11.54	4.54	1.59	6.25	2.21	1.59	1
11.50	4.52	1.59	6.25	2.20	1.58	1
11.50	4.52	1.59	6.25	2.20	1.58	1
11.37	4.46	1.57	6.25	2.17	1.53	1
11.24	4.41	1.55	6.25	2.15	1.50	1
11.11	4.35	1.53	6.25	2.14	1.48	1
10.99	4.30	1.52	6.25	2.12	1.46	1
10.86	4.24	1.50	6.25	2.11	1.44	1
10.73	4.19	1.48	6.25	2.10	1.42	1
10.60	4.13	1.46	6.25	2.09	1.40	1
10.47	4.08	1.44	6.25	2.09	1.38	1
10.34	4.02	1.43	6.25	2.08	1.36	1
10.21	3.97	1.41	6.25	2.07	1.33	1
10.09	3.91	1.39	6.25	2.07	1.31	1
9.96	3.86	1.37	6.25	2.06	1.29	1
9.83	3.80	1.36	6.25	2.06	1.27	1
9.70	3.75	1.34	6.25	2.05	1.25	1
9.57	3.70	1.32	6.25	2.04	1.23	1
9.44	3.64	1.30	6.25	2.04	1.22	1
9.31	3.59	1.28	6.25	2.03	1.21	1
9.19	3.53	1.27	6.25	2.03	1.20	1
9.06	3.48	1.25	6.25	2.02	1.19	1
8.93	3.43	1.23	6.25	2.02	1.18	1
8.80	3.37	1.21	6.25	2.01	1.17	1
8.67	3.32	1.20	6.25	2.01	1.16	1
8.54	3.27	1.18	6.25	2.00	1.15	1
8.41	3.21	1.16	6.25	2.00	1.15	1
8.29	3.16	1.14	6.25	1.99	1.14	1
8.16	3.11	1.13	6.25	1.99	1.13	1

			B445.pso			
8.03	3.05	1.11	6.25	1.98	1.12	1
7.90	3.00	1.09	6.25	1.98	1.11	1
7.77	2.95	1.07	6.25	1.97	1.10	1
7.64	2.90	1.05	6.25	1.97	1.09	1
7.51	2.84	1.04	6.25	1.96	1.08	1
7.39	2.79	1.02	6.25	1.96	1.07	1
7.26	2.74	1.00	6.25	1.95	1.06	1
7.13	2.69	0.98	6.25	1.95	1.05	1
7.00	2.63	0.97	6.25	1.94	1.04	1
7.00	2.63	0.97	6.25	1.94	1.04	1
6.87	2.58	0.95	6.25	1.94	1.03	1
6.74	2.53	0.93	6.25	1.93	1.02	1
6.61	2.48	0.91	6.25	1.93	1.01	1
6.49	2.43	0.89	6.25	1.92	1.00	1
6.36	2.37	0.88	6.25	1.92	0.99	1
6.23	2.32	0.86	6.25	1.91	0.98	1
6.10	2.27	0.84	6.25	1.91	0.97	1
5.97	2.22	0.82	6.25	1.90	0.97	1
5.84	2.17	0.81	6.25	1.90	0.96	1
5.71	2.12	0.79	6.25	1.89	0.96	1
5.59	2.07	0.77	6.25	1.89	0.95	1
5.46	2.01	0.75	6.25	1.88	0.95	1
5.33	1.96	0.73	6.25	1.88	0.94	1
5.20	1.91	0.72	6.25	1.87	0.94	1
5.07	1.86	0.70	6.25	1.86	0.93	1
4.94	1.81	0.68	6.25	1.86	0.93	1
4.81	1.76	0.66	6.25	1.85	0.92	1
4.69	1.71	0.65	6.25	1.84	0.92	1
4.56	1.66	0.63	6.25	1.84	0.91	1
4.43	1.61	0.61	6.25	1.83	0.91	1
4.30	1.56	0.59	6.25	1.82	0.90	1
4.17	1.51	0.58	6.25	1.81	0.90	1
4.04	1.46	0.56	6.25	1.80	0.89	1
3.91	1.41	0.54	6.25	1.80	0.89	1
3.79	1.36	0.52	6.25	1.79	0.88	1
3.66	1.31	0.50	6.25	1.78	0.88	1
3.53	1.26	0.49	6.25	1.77	0.87	1
3.40	1.21	0.47	6.25	1.76	0.87	1
3.27	1.16	0.45	6.25	1.75	0.86	1
3.14	1.12	0.43	6.25	1.74	0.86	1
3.01	1.07	0.42	6.25	1.72	0.85	1
2.89	1.02	0.40	6.25	1.71	0.85	1
2.76	0.97	0.38	6.25	1.70	0.84	1
2.63	0.92	0.36	6.25	1.69	0.84	1
2.50	0.88	0.34	6.25	1.68	0.84	1
2.50	0.88	0.34	6.25	1.68	0.84	1
2.43	0.85	0.33	6.25	1.67	0.83	1
2.36	0.82	0.33	6.25	1.66	0.83	1
2.29	0.80	0.32	6.25	1.66	0.83	1
2.21	0.77	0.31	6.25	1.65	0.82	1
2.14	0.74	0.30	6.25	1.64	0.82	1
2.07	0.72	0.29	6.25	1.64	0.82	1
2.00	0.69	0.28	6.25	1.63	0.82	1
1.93	0.67	0.27	6.25	1.62	0.81	1
1.86	0.64	0.26	6.25	1.61	0.81	1
1.79	0.61	0.25	6.25	1.61	0.81	1
1.71	0.59	0.24	6.25	1.60	0.81	1
1.64	0.56	0.23	6.25	1.59	0.80	1
1.57	0.54	0.22	6.25	1.58	0.80	1
1.50	0.51	0.21	6.25	1.57	0.80	1
1.43	0.49	0.20	6.25	1.57	0.79	1
1.36	0.46	0.19	6.25	1.56	0.79	1
1.29	0.44	0.18	6.25	1.55	0.79	1

			B445.pso			
1.21	0.41	0.17	6.25	1.54	0.79	1
1.14	0.39	0.16	6.25	1.53	0.78	1
1.07	0.36	0.15	6.25	1.52	0.78	1
1.00	0.34	0.14	6.25	1.51	0.78	1
0.93	0.31	0.13	6.25	1.50	0.78	1
0.86	0.29	0.12	6.25	1.50	0.77	1
0.79	0.26	0.11	6.25	1.49	0.77	1
0.71	0.24	0.10	6.25	1.48	0.77	1
0.64	0.21	0.09	6.25	1.47	0.77	1
0.57	0.19	0.08	6.25	1.46	0.76	1
0.50	0.17	0.07	6.25	1.45	0.76	1
0.43	0.14	0.06	6.25	1.44	0.76	1
0.36	0.12	0.05	6.25	1.43	0.75	1
0.29	0.09	0.04	6.25	1.42	0.75	1
0.21	0.07	0.03	6.25	1.41	0.75	1
0.14	0.05	0.02	6.25	1.40	0.75	1
0.07	0.02	0.01	6.25	1.39	0.74	1
0.00	0.00	0.00	6.25	1.38	0.74	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
5.23	0.00	0.00	0.00	0.00	0.00	1
5.20	2.93	0.57	2.36	2.31	0.05	1
5.17	5.11	1.24	3.87	3.87	0.00	1
5.15	7.05	1.86	5.19	5.19	0.00	1
5.13	8.95	1.99	6.96	6.47	0.49	1
5.11	10.84	2.11	8.73	7.75	0.99	1
5.09	12.73	2.22	10.51	9.01	1.49	1
5.07	14.62	2.31	12.30	10.28	2.03	1
5.05	16.50	2.39	14.11	11.54	2.57	1
5.03	18.38	2.45	15.92	12.80	3.12	1
5.01	20.25	2.52	17.73	14.05	3.68	1
4.99	22.12	2.58	19.55	15.31	4.24	1
4.97	23.99	2.64	21.36	16.56	4.80	1
4.95	25.86	2.70	23.16	17.80	5.36	1
4.93	27.72	2.76	24.97	19.05	5.92	1
4.91	29.59	2.82	26.76	20.29	6.47	1
4.89	31.45	2.89	28.56	21.53	7.03	1
4.87	33.30	2.95	30.35	22.77	7.58	1
4.85	35.16	3.02	32.14	24.00	8.13	1
4.83	37.01	3.09	33.92	25.23	8.68	1
4.81	38.85	3.16	35.69	26.46	9.23	1
4.79	40.70	3.23	37.47	27.68	9.78	1
4.77	42.54	3.30	39.24	28.91	10.33	1
4.75	44.38	3.38	41.00	30.13	10.88	1
4.73	46.21	3.45	42.76	31.34	11.42	1
4.71	48.05	3.53	44.52	32.55	11.97	1
4.69	49.87	3.60	46.27	33.76	12.51	1
4.67	51.70	3.68	48.02	34.97	13.06	1
4.65	53.52	3.75	49.77	36.17	13.60	1
4.63	55.34	3.82	51.52	37.37	14.15	1
4.62	57.16	3.90	53.26	38.57	14.69	1
4.60	58.97	3.97	55.00	39.76	15.24	1
4.58	60.78	4.04	56.74	40.95	15.79	1
4.56	62.59	4.11	58.47	42.14	16.34	1
4.54	64.39	4.18	60.21	43.32	16.89	1
4.52	66.19	4.25	61.94	44.50	17.44	1
4.52	66.19	4.25	61.94	44.50	17.44	1
4.46	71.57	4.45	67.13	48.03	19.10	1
4.41	76.93	4.62	72.31	51.53	20.78	1
4.35	82.27	4.77	77.50	55.01	22.49	1

4.30	87.60	4.90	B445.pso 82.70	58.47	24.23	1
4.24	92.90	5.00	87.90	61.92	25.99	1
4.19	98.20	5.19	93.01	65.35	27.66	1
4.13	103.48	5.34	98.14	68.78	29.36	1
4.08	108.76	5.48	103.28	72.20	31.08	1
4.02	114.03	5.60	108.43	75.61	32.82	1
3.97	119.29	5.72	113.58	79.01	34.56	1
3.91	124.55	5.83	118.72	82.41	36.31	1
3.86	129.80	5.94	123.86	85.80	38.06	1
3.80	135.04	6.04	129.00	89.18	39.81	1
3.75	140.28	6.15	134.13	92.56	41.57	1
3.70	145.51	6.25	139.26	95.94	43.32	1
3.64	150.74	6.36	144.38	99.30	45.08	1
3.59	155.96	6.46	149.50	102.66	46.83	1
3.53	161.17	6.56	154.61	106.02	48.59	1
3.48	166.38	6.66	159.71	109.37	50.35	1
3.43	171.58	6.76	164.82	112.71	52.11	1
3.37	176.78	6.86	169.91	116.05	53.87	1
3.32	181.97	6.96	175.01	119.38	55.63	1
3.27	187.15	7.06	180.09	122.70	57.39	1
3.21	192.33	7.16	185.17	126.02	59.15	1
3.16	197.50	7.25	190.25	129.34	60.91	1
3.11	202.67	7.35	195.32	132.65	62.68	1
3.05	207.84	7.44	200.39	135.95	64.44	1
3.00	212.99	7.54	205.45	139.25	66.20	1
2.95	218.14	7.63	210.51	142.54	67.97	1
2.90	223.29	7.73	215.56	145.83	69.73	1
2.84	228.43	7.82	220.61	149.11	71.50	1
2.79	233.57	7.92	225.65	152.39	73.26	1
2.74	238.70	8.01	230.69	155.66	75.03	1
2.69	243.82	8.11	235.72	158.92	76.79	1
2.63	248.94	8.20	240.74	162.18	78.56	1
2.63	248.94	8.20	240.74	162.18	78.56	1
2.58	254.05	8.29	245.76	165.44	80.32	1
2.53	259.16	8.39	250.77	168.69	82.09	1
2.48	264.27	8.49	255.78	171.93	83.85	1
2.43	269.36	8.58	260.78	175.17	85.61	1
2.37	274.45	8.68	265.78	178.40	87.37	1
2.32	279.54	8.78	270.76	181.63	89.14	1
2.27	284.62	8.88	275.75	184.85	90.90	1
2.22	289.70	8.98	280.72	188.07	92.65	1
2.17	294.77	9.08	285.69	191.28	94.41	1
2.12	299.83	9.18	290.65	194.48	96.17	1
2.07	304.89	9.29	295.60	197.68	97.92	1
2.01	309.94	9.39	300.54	200.87	99.67	1
1.96	314.98	9.51	305.48	204.05	101.42	1
1.91	320.02	9.62	310.40	207.23	103.17	1
1.86	325.05	9.74	315.31	210.41	104.91	1
1.81	330.07	9.86	320.22	213.57	106.65	1
1.76	335.09	9.98	325.11	216.73	108.38	1
1.71	340.10	10.26	329.85	219.88	109.96	1
1.66	345.10	10.57	334.54	223.02	111.51	1
1.61	350.10	10.89	339.21	226.16	113.05	1
1.56	355.08	11.23	343.85	229.29	114.57	1
1.51	360.06	11.59	348.47	232.40	116.07	1
1.46	365.03	11.95	353.07	235.51	117.56	1
1.41	369.99	12.34	357.65	238.61	119.04	1
1.36	374.93	12.73	362.20	241.70	120.50	1
1.31	379.87	13.14	366.73	244.78	121.95	1
1.26	384.80	13.56	371.23	247.84	123.39	1
1.21	389.71	14.00	375.71	250.90	124.81	1
1.16	394.62	14.45	380.17	253.94	126.22	1
1.12	399.51	14.91	384.60	256.98	127.62	1

			B445.pso			
1.07	404.39	15.38	389.01	260.00	129.01	1
1.02	409.26	15.86	393.39	263.01	130.38	1
0.97	414.11	16.36	397.75	266.00	131.75	1
0.92	418.95	16.87	402.08	268.99	133.10	1
0.88	423.78	17.39	406.39	271.96	134.44	1
0.88	423.78	17.39	406.39	271.96	134.44	1
0.85	426.46	17.68	408.78	273.60	135.18	1
0.82	429.13	17.97	411.16	275.24	135.92	1
0.80	431.80	18.27	413.53	276.88	136.66	1
0.77	434.46	18.57	415.90	278.51	137.39	1
0.74	437.12	18.87	418.25	280.13	138.12	1
0.72	439.78	19.18	420.60	281.76	138.84	1
0.69	442.43	19.49	422.94	283.37	139.56	1
0.67	445.08	19.81	425.27	284.99	140.28	1
0.64	447.72	20.13	427.59	286.60	140.99	1
0.61	450.36	20.46	429.90	288.20	141.69	1
0.59	452.99	20.79	432.20	289.80	142.40	1
0.56	455.62	21.13	434.49	291.40	143.09	1
0.54	458.24	21.47	436.77	292.99	143.79	1
0.51	460.86	21.81	439.05	294.57	144.47	1
0.49	463.47	22.16	441.31	296.15	145.15	1
0.46	466.08	22.52	443.56	297.73	145.83	1
0.44	468.68	22.88	445.80	299.30	146.50	1
0.41	471.28	23.25	448.03	300.86	147.17	1
0.39	473.87	23.63	450.24	302.42	147.82	1
0.36	476.46	24.01	452.45	303.98	148.47	1
0.34	479.04	24.40	454.64	305.52	149.11	1
0.31	481.61	24.80	456.81	307.07	149.75	1
0.29	484.18	25.45	458.74	308.60	150.13	1
0.26	486.75	26.34	460.41	310.13	150.28	1
0.24	489.31	27.23	462.07	311.66	150.41	1
0.21	491.86	28.14	463.72	313.18	150.54	1
0.19	494.40	29.05	465.35	314.69	150.66	1
0.17	496.94	29.97	466.98	316.20	150.78	1
0.14	499.48	30.89	468.59	317.70	150.89	1
0.12	502.00	31.82	470.19	319.19	150.99	1
0.09	504.53	32.75	471.77	320.68	151.09	1
0.07	507.04	33.69	473.35	322.17	151.18	1
0.05	509.55	34.64	474.91	323.64	151.27	1
0.02	512.05	35.59	476.46	325.11	151.35	1
0.00	514.55	36.55	478.00	326.57	151.43	1

Time = 31. Degree of Consolidation = 85.0%

Total Settlement = 7.766

Settlement at End of Primary Consolidation = 9.172

Settlement caused by Primary Consolidation at time 31. = 7.766

Settlement caused by Secondary Compression at time 31. = 0.000

Surface Elevation = 4.48

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	B445.pso Einitial	E	Eeop	Material
13.00	5.01	1.79	6.25	6.25	6.25	1
12.96	4.97	1.79	6.25	4.25	4.07	1
12.91	4.94	1.78	6.25	2.67	2.67	1
12.87	4.92	1.78	6.25	2.50	2.50	1
12.83	4.90	1.77	6.25	2.40	2.40	1
12.79	4.88	1.76	6.25	2.33	2.33	1
12.74	4.86	1.76	6.25	2.27	2.26	1
12.70	4.84	1.75	6.25	2.22	2.19	1
12.66	4.82	1.75	6.25	2.18	2.11	1
12.61	4.81	1.74	6.25	2.14	2.08	1
12.57	4.79	1.73	6.25	2.11	2.05	1
12.53	4.77	1.73	6.25	2.09	2.02	1
12.49	4.75	1.72	6.25	2.07	1.98	1
12.44	4.73	1.72	6.25	2.06	1.95	1
12.40	4.71	1.71	6.25	2.05	1.92	1
12.36	4.70	1.70	6.25	2.03	1.89	1
12.31	4.68	1.70	6.25	2.03	1.85	1
12.27	4.66	1.69	6.25	2.02	1.84	1
12.23	4.64	1.69	6.25	2.01	1.82	1
12.19	4.62	1.68	6.25	2.01	1.81	1
12.14	4.61	1.67	6.25	2.00	1.79	1
12.10	4.59	1.67	6.25	2.00	1.78	1
12.06	4.57	1.66	6.25	1.99	1.77	1
12.01	4.55	1.66	6.25	1.99	1.75	1
11.97	4.54	1.65	6.25	1.99	1.74	1
11.93	4.52	1.65	6.25	1.99	1.72	1
11.89	4.50	1.64	6.25	1.98	1.71	1
11.84	4.48	1.63	6.25	1.98	1.69	1
11.80	4.47	1.63	6.25	1.98	1.68	1
11.76	4.45	1.62	6.25	1.98	1.66	1
11.71	4.43	1.62	6.25	1.98	1.65	1
11.67	4.41	1.61	6.25	1.97	1.64	1
11.63	4.40	1.60	6.25	1.97	1.62	1
11.59	4.38	1.60	6.25	1.97	1.61	1
11.54	4.36	1.59	6.25	1.97	1.59	1
11.50	4.34	1.59	6.25	1.97	1.58	1
11.50	4.34	1.59	6.25	1.97	1.58	1
11.37	4.29	1.57	6.25	1.96	1.53	1
11.24	4.24	1.55	6.25	1.96	1.50	1
11.11	4.19	1.53	6.25	1.96	1.48	1
10.99	4.13	1.52	6.25	1.95	1.46	1
10.86	4.08	1.50	6.25	1.95	1.44	1
10.73	4.03	1.48	6.25	1.95	1.42	1
10.60	3.98	1.46	6.25	1.94	1.40	1
10.47	3.92	1.44	6.25	1.94	1.38	1
10.34	3.87	1.43	6.25	1.94	1.36	1
10.21	3.82	1.41	6.25	1.94	1.33	1
10.09	3.77	1.39	6.25	1.93	1.31	1
9.96	3.72	1.37	6.25	1.93	1.29	1
9.83	3.66	1.36	6.25	1.93	1.27	1
9.70	3.61	1.34	6.25	1.92	1.25	1
9.57	3.56	1.32	6.25	1.92	1.23	1
9.44	3.51	1.30	6.25	1.92	1.22	1
9.31	3.46	1.28	6.25	1.91	1.21	1
9.19	3.40	1.27	6.25	1.91	1.20	1
9.06	3.35	1.25	6.25	1.91	1.19	1
8.93	3.30	1.23	6.25	1.90	1.18	1
8.80	3.25	1.21	6.25	1.90	1.17	1
8.67	3.20	1.20	6.25	1.90	1.16	1
8.54	3.15	1.18	6.25	1.89	1.15	1
8.41	3.10	1.16	6.25	1.89	1.15	1
8.29	3.05	1.14	6.25	1.89	1.14	1

			B445.pso			
8.16	2.99	1.13	6.25	1.88	1.13	1
8.03	2.94	1.11	6.25	1.88	1.12	1
7.90	2.89	1.09	6.25	1.87	1.11	1
7.77	2.84	1.07	6.25	1.87	1.10	1
7.64	2.79	1.05	6.25	1.87	1.09	1
7.51	2.74	1.04	6.25	1.86	1.08	1
7.39	2.69	1.02	6.25	1.86	1.07	1
7.26	2.64	1.00	6.25	1.85	1.06	1
7.13	2.59	0.98	6.25	1.85	1.05	1
7.00	2.54	0.97	6.25	1.84	1.04	1
7.00	2.54	0.97	6.25	1.84	1.04	1
6.87	2.49	0.95	6.25	1.84	1.03	1
6.74	2.44	0.93	6.25	1.84	1.02	1
6.61	2.39	0.91	6.25	1.83	1.01	1
6.49	2.34	0.89	6.25	1.83	1.00	1
6.36	2.29	0.88	6.25	1.82	0.99	1
6.23	2.24	0.86	6.25	1.81	0.98	1
6.10	2.19	0.84	6.25	1.81	0.97	1
5.97	2.14	0.82	6.25	1.80	0.97	1
5.84	2.09	0.81	6.25	1.80	0.96	1
5.71	2.04	0.79	6.25	1.79	0.96	1
5.59	1.99	0.77	6.25	1.78	0.95	1
5.46	1.94	0.75	6.25	1.78	0.95	1
5.33	1.89	0.73	6.25	1.77	0.94	1
5.20	1.84	0.72	6.25	1.76	0.94	1
5.07	1.79	0.70	6.25	1.75	0.93	1
4.94	1.74	0.68	6.25	1.75	0.93	1
4.81	1.69	0.66	6.25	1.74	0.92	1
4.69	1.65	0.65	6.25	1.73	0.92	1
4.56	1.60	0.63	6.25	1.72	0.91	1
4.43	1.55	0.61	6.25	1.71	0.91	1
4.30	1.50	0.59	6.25	1.71	0.90	1
4.17	1.45	0.58	6.25	1.70	0.90	1
4.04	1.40	0.56	6.25	1.69	0.89	1
3.91	1.36	0.54	6.25	1.68	0.89	1
3.79	1.31	0.52	6.25	1.67	0.88	1
3.66	1.26	0.50	6.25	1.66	0.88	1
3.53	1.22	0.49	6.25	1.65	0.87	1
3.40	1.17	0.47	6.25	1.64	0.87	1
3.27	1.12	0.45	6.25	1.63	0.86	1
3.14	1.07	0.43	6.25	1.62	0.86	1
3.01	1.03	0.42	6.25	1.61	0.85	1
2.89	0.98	0.40	6.25	1.60	0.85	1
2.76	0.94	0.38	6.25	1.59	0.84	1
2.63	0.89	0.36	6.25	1.58	0.84	1
2.50	0.84	0.34	6.25	1.57	0.84	1
2.50	0.84	0.34	6.25	1.57	0.84	1
2.43	0.82	0.33	6.25	1.57	0.83	1
2.36	0.79	0.33	6.25	1.56	0.83	1
2.29	0.77	0.32	6.25	1.55	0.83	1
2.21	0.74	0.31	6.25	1.55	0.82	1
2.14	0.72	0.30	6.25	1.54	0.82	1
2.07	0.69	0.29	6.25	1.53	0.82	1
2.00	0.67	0.28	6.25	1.53	0.82	1
1.93	0.64	0.27	6.25	1.52	0.81	1
1.86	0.62	0.26	6.25	1.51	0.81	1
1.79	0.59	0.25	6.25	1.51	0.81	1
1.71	0.57	0.24	6.25	1.50	0.81	1
1.64	0.54	0.23	6.25	1.49	0.80	1
1.57	0.52	0.22	6.25	1.49	0.80	1
1.50	0.50	0.21	6.25	1.48	0.80	1
1.43	0.47	0.20	6.25	1.47	0.79	1
1.36	0.45	0.19	6.25	1.46	0.79	1

			B445.pso			
1.29	0.42	0.18	6.25	1.46	0.79	1
1.21	0.40	0.17	6.25	1.45	0.79	1
1.14	0.37	0.16	6.25	1.44	0.78	1
1.07	0.35	0.15	6.25	1.43	0.78	1
1.00	0.33	0.14	6.25	1.43	0.78	1
0.93	0.30	0.13	6.25	1.42	0.78	1
0.86	0.28	0.12	6.25	1.41	0.77	1
0.79	0.26	0.11	6.25	1.40	0.77	1
0.71	0.23	0.10	6.25	1.39	0.77	1
0.64	0.21	0.09	6.25	1.39	0.77	1
0.57	0.18	0.08	6.25	1.38	0.76	1
0.50	0.16	0.07	6.25	1.37	0.76	1
0.43	0.14	0.06	6.25	1.36	0.76	1
0.36	0.11	0.05	6.25	1.35	0.75	1
0.29	0.09	0.04	6.25	1.34	0.75	1
0.21	0.07	0.03	6.25	1.34	0.75	1
0.14	0.05	0.02	6.25	1.33	0.75	1
0.07	0.02	0.01	6.25	1.32	0.74	1
0.00	0.00	0.00	6.25	1.31	0.74	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
5.01	0.00	0.00	0.00	0.00	0.00	1
4.97	2.93	0.57	2.36	2.31	0.05	1
4.94	5.11	1.24	3.87	3.87	0.00	1
4.92	7.05	1.86	5.19	5.19	0.00	1
4.90	8.94	2.48	6.46	6.46	0.00	1
4.88	10.80	3.10	7.70	7.70	0.00	1
4.86	12.64	3.64	9.00	8.92	0.08	1
4.84	14.45	4.08	10.38	10.11	0.26	1
4.82	16.25	4.43	11.82	11.29	0.53	1
4.81	18.04	4.72	13.32	12.46	0.86	1
4.79	19.81	4.96	14.85	13.61	1.24	1
4.77	21.57	5.35	16.22	14.76	1.46	1
4.75	23.33	5.71	17.62	15.89	1.72	1
4.73	25.08	6.00	19.08	17.03	2.05	1
4.71	26.83	6.25	20.58	18.15	2.43	1
4.70	28.57	6.45	22.12	19.27	2.85	1
4.68	30.30	6.62	23.69	20.39	3.30	1
4.66	32.04	6.76	25.28	21.50	3.78	1
4.64	33.77	6.88	26.89	22.62	4.27	1
4.62	35.50	6.99	28.51	23.73	4.79	1
4.61	37.23	7.08	30.15	24.83	5.31	1
4.59	38.95	7.16	31.80	25.94	5.85	1
4.57	40.68	7.23	33.45	27.05	6.40	1
4.55	42.40	7.29	35.11	28.15	6.96	1
4.54	44.13	7.35	36.78	29.25	7.53	1
4.52	45.85	7.40	38.45	30.35	8.10	1
4.50	47.57	7.44	40.13	31.46	8.67	1
4.48	49.29	7.48	41.80	32.56	9.25	1
4.47	51.01	7.52	43.48	33.65	9.83	1
4.45	52.72	7.56	45.17	34.75	10.42	1
4.43	54.44	7.59	46.85	35.85	11.00	1
4.41	56.16	7.62	48.54	36.95	11.59	1
4.40	57.87	7.65	50.23	38.04	12.18	1
4.38	59.59	7.68	51.92	39.14	12.77	1
4.36	61.31	7.70	53.60	40.24	13.37	1
4.34	63.02	7.73	55.29	41.33	13.96	1
4.34	63.02	7.73	55.29	41.33	13.96	1
4.29	68.16	7.80	60.36	44.61	15.75	1
4.24	73.30	7.87	65.43	47.89	17.54	1

4.19	78.43	7.94	B445.pso 70.50	51.17	19.33	1
4.13	83.56	8.00	75.57	54.44	21.13	1
4.08	88.69	8.06	80.63	57.70	22.93	1
4.03	93.81	8.12	85.69	60.97	24.72	1
3.98	98.93	8.18	90.75	64.23	26.52	1
3.92	104.05	8.24	95.81	67.49	28.32	1
3.87	109.16	8.30	100.86	70.74	30.12	1
3.82	114.27	8.36	105.91	73.99	31.92	1
3.77	119.38	8.42	110.96	77.24	33.72	1
3.72	124.48	8.48	116.00	80.48	35.52	1
3.66	129.58	8.54	121.04	83.72	37.32	1
3.61	134.67	8.60	126.07	86.95	39.12	1
3.56	139.76	8.66	131.10	90.19	40.92	1
3.51	144.85	8.72	136.13	93.42	42.71	1
3.46	149.94	8.78	141.15	96.64	44.51	1
3.40	155.02	8.85	146.17	99.86	46.31	1
3.35	160.09	8.91	151.19	103.08	48.10	1
3.30	165.17	8.97	156.20	106.30	49.90	1
3.25	170.24	9.04	161.20	109.51	51.69	1
3.20	175.31	9.10	166.20	112.72	53.49	1
3.15	180.37	9.17	171.20	115.92	55.28	1
3.10	185.43	9.24	176.19	119.12	57.07	1
3.05	190.48	9.30	181.18	122.31	58.86	1
2.99	195.53	9.37	186.16	125.51	60.65	1
2.94	200.58	9.45	191.13	128.69	62.44	1
2.89	205.62	9.52	196.10	131.88	64.22	1
2.84	210.66	9.60	201.06	135.06	66.01	1
2.79	215.69	9.68	206.02	138.23	67.79	1
2.74	220.72	9.76	210.96	141.40	69.56	1
2.69	225.75	9.84	215.90	144.57	71.34	1
2.64	230.77	9.93	220.84	147.73	73.11	1
2.59	235.78	10.04	225.75	150.88	74.86	1
2.54	240.79	10.23	230.56	154.03	76.53	1
2.54	240.79	10.23	230.56	154.03	76.53	1
2.49	245.80	10.42	235.37	157.18	78.19	1
2.44	250.79	10.62	240.17	160.32	79.85	1
2.39	255.79	10.83	244.96	163.45	81.50	1
2.34	260.78	11.05	249.73	166.58	83.14	1
2.29	265.76	11.28	254.48	169.71	84.77	1
2.24	270.74	11.52	259.21	172.82	86.39	1
2.19	275.71	11.78	263.93	175.94	87.99	1
2.14	280.67	12.04	268.63	179.04	89.59	1
2.09	285.63	12.31	273.32	182.14	91.18	1
2.04	290.58	12.59	277.99	185.23	92.76	1
1.99	295.52	12.88	282.64	188.31	94.33	1
1.94	300.45	13.17	287.28	191.39	95.90	1
1.89	305.38	13.47	291.91	194.46	97.45	1
1.84	310.30	13.78	296.52	197.52	99.00	1
1.79	315.21	14.10	301.11	200.57	100.54	1
1.74	320.12	14.42	305.69	203.61	102.08	1
1.69	325.01	14.75	310.26	206.65	103.61	1
1.65	329.90	15.09	314.80	209.67	105.13	1
1.60	334.77	15.44	319.34	212.69	106.64	1
1.55	339.64	15.79	323.85	215.70	108.15	1
1.50	344.50	16.15	328.35	218.70	109.65	1
1.45	349.35	16.51	332.84	221.69	111.15	1
1.40	354.19	16.88	337.31	224.67	112.63	1
1.36	359.02	17.26	341.76	227.64	114.11	1
1.31	363.84	17.65	346.19	230.60	115.59	1
1.26	368.65	18.04	350.61	233.56	117.06	1
1.22	373.45	18.44	355.01	236.50	118.52	1
1.17	378.24	18.84	359.40	239.43	119.97	1
1.12	383.02	19.26	363.76	242.35	121.42	1

			B445.pso			
1.07	387.79	19.68	368.11	245.26	122.85	1
1.03	392.55	20.10	372.44	248.16	124.28	1
0.98	397.29	20.54	376.75	251.04	125.71	1
0.94	402.03	20.99	381.04	253.92	127.12	1
0.89	406.75	21.44	385.31	256.78	128.53	1
0.84	411.46	21.91	389.56	259.64	129.92	1
0.84	411.46	21.91	389.56	259.64	129.92	1
0.82	414.07	22.16	391.91	261.22	130.70	1
0.79	416.68	22.43	394.26	262.79	131.47	1
0.77	419.29	22.69	396.60	264.36	132.23	1
0.74	421.89	22.96	398.93	265.93	133.00	1
0.72	424.49	23.23	401.25	267.50	133.76	1
0.69	427.08	23.51	403.57	269.06	134.51	1
0.67	429.67	23.79	405.87	270.61	135.26	1
0.64	432.25	24.08	408.17	272.16	136.01	1
0.62	434.83	24.38	410.46	273.71	136.75	1
0.59	437.41	24.67	412.74	275.26	137.48	1
0.57	439.98	24.98	415.00	276.80	138.21	1
0.54	442.55	25.62	416.93	278.33	138.60	1
0.52	445.11	26.30	418.82	279.86	138.95	1
0.50	447.67	26.98	420.69	281.39	139.31	1
0.47	450.23	27.67	422.56	282.91	139.65	1
0.45	452.78	28.36	424.42	284.43	139.99	1
0.42	455.32	29.06	426.26	285.94	140.32	1
0.40	457.86	29.77	428.10	287.45	140.65	1
0.37	460.40	30.48	429.92	288.95	140.97	1
0.35	462.93	31.19	431.74	290.45	141.29	1
0.33	465.46	31.92	433.54	291.94	141.60	1
0.30	467.98	32.64	435.33	293.43	141.90	1
0.28	470.49	33.38	437.12	294.91	142.20	1
0.26	473.00	34.12	438.89	296.39	142.50	1
0.23	475.51	34.86	440.65	297.87	142.79	1
0.21	478.01	35.61	442.40	299.33	143.07	1
0.18	480.51	36.36	444.15	300.80	143.35	1
0.16	483.00	37.13	445.88	302.26	143.62	1
0.14	485.49	37.89	447.60	303.71	143.88	1
0.11	487.97	38.67	449.30	305.16	144.14	1
0.09	490.45	39.44	451.00	306.60	144.40	1
0.07	492.92	40.23	452.69	308.04	144.65	1
0.05	495.38	41.02	454.36	309.48	144.89	1
0.02	497.84	41.82	456.03	310.90	145.12	1
0.00	500.30	42.63	457.68	312.33	145.35	1

Time = 45. Degree of Consolidation = 87.%

Total Settlement = 7.995

Settlement at End of Primary Consolidation = 9.172

Settlement caused by Primary Consolidation at time 45. = 7.995

Settlement caused by Secondary Compression at time 45. = 0.000

Surface Elevation = 4.26

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

B445.pso

A	XI	Z	Einitial	E	Eeop	Material
13.00	4.77	1.79	6.25	6.25	6.25	1
12.96	4.73	1.79	6.25	4.25	4.07	1
12.91	4.71	1.78	6.25	2.67	2.67	1
12.87	4.69	1.78	6.25	2.50	2.50	1
12.83	4.67	1.77	6.25	2.40	2.40	1
12.79	4.65	1.76	6.25	2.33	2.33	1
12.74	4.63	1.76	6.25	2.26	2.26	1
12.70	4.61	1.75	6.25	2.20	2.19	1
12.66	4.59	1.75	6.25	2.15	2.11	1
12.61	4.57	1.74	6.25	2.11	2.08	1
12.57	4.55	1.73	6.25	2.07	2.05	1
12.53	4.53	1.73	6.25	2.04	2.02	1
12.49	4.52	1.72	6.25	2.02	1.98	1
12.44	4.50	1.72	6.25	2.00	1.95	1
12.40	4.48	1.71	6.25	1.98	1.92	1
12.36	4.46	1.70	6.25	1.97	1.89	1
12.31	4.45	1.70	6.25	1.96	1.85	1
12.27	4.43	1.69	6.25	1.95	1.84	1
12.23	4.41	1.69	6.25	1.94	1.82	1
12.19	4.39	1.68	6.25	1.93	1.81	1
12.14	4.38	1.67	6.25	1.92	1.79	1
12.10	4.36	1.67	6.25	1.91	1.78	1
12.06	4.34	1.66	6.25	1.91	1.77	1
12.01	4.32	1.66	6.25	1.90	1.75	1
11.97	4.31	1.65	6.25	1.90	1.74	1
11.93	4.29	1.65	6.25	1.89	1.72	1
11.89	4.27	1.64	6.25	1.89	1.71	1
11.84	4.26	1.63	6.25	1.88	1.69	1
11.80	4.24	1.63	6.25	1.88	1.68	1
11.76	4.22	1.62	6.25	1.88	1.66	1
11.71	4.20	1.62	6.25	1.87	1.65	1
11.67	4.19	1.61	6.25	1.87	1.64	1
11.63	4.17	1.60	6.25	1.87	1.62	1
11.59	4.15	1.60	6.25	1.86	1.61	1
11.54	4.14	1.59	6.25	1.86	1.59	1
11.50	4.12	1.59	6.25	1.86	1.58	1
11.50	4.12	1.59	6.25	1.86	1.58	1
11.37	4.07	1.57	6.25	1.85	1.53	1
11.24	4.02	1.55	6.25	1.85	1.50	1
11.11	3.97	1.53	6.25	1.84	1.48	1
10.99	3.92	1.52	6.25	1.84	1.46	1
10.86	3.87	1.50	6.25	1.83	1.44	1
10.73	3.82	1.48	6.25	1.83	1.42	1
10.60	3.77	1.46	6.25	1.82	1.40	1
10.47	3.72	1.44	6.25	1.82	1.38	1
10.34	3.67	1.43	6.25	1.81	1.36	1
10.21	3.62	1.41	6.25	1.81	1.33	1
10.09	3.57	1.39	6.25	1.80	1.31	1
9.96	3.52	1.37	6.25	1.80	1.29	1
9.83	3.47	1.36	6.25	1.80	1.27	1
9.70	3.42	1.34	6.25	1.79	1.25	1
9.57	3.37	1.32	6.25	1.79	1.23	1
9.44	3.32	1.30	6.25	1.78	1.22	1
9.31	3.27	1.28	6.25	1.78	1.21	1
9.19	3.22	1.27	6.25	1.77	1.20	1
9.06	3.17	1.25	6.25	1.77	1.19	1
8.93	3.12	1.23	6.25	1.76	1.18	1
8.80	3.07	1.21	6.25	1.76	1.17	1
8.67	3.03	1.20	6.25	1.75	1.16	1
8.54	2.98	1.18	6.25	1.75	1.15	1
8.41	2.93	1.16	6.25	1.74	1.15	1

B445.pso						
8.29	2.88	1.14	6.25	1.74	1.14	1
8.16	2.83	1.13	6.25	1.73	1.13	1
8.03	2.78	1.11	6.25	1.73	1.12	1
7.90	2.73	1.09	6.25	1.72	1.11	1
7.77	2.69	1.07	6.25	1.72	1.10	1
7.64	2.64	1.05	6.25	1.71	1.09	1
7.51	2.59	1.04	6.25	1.71	1.08	1
7.39	2.54	1.02	6.25	1.70	1.07	1
7.26	2.49	1.00	6.25	1.70	1.06	1
7.13	2.45	0.98	6.25	1.69	1.05	1
7.00	2.40	0.97	6.25	1.69	1.04	1
7.00	2.40	0.97	6.25	1.69	1.04	1
6.87	2.35	0.95	6.25	1.68	1.03	1
6.74	2.30	0.93	6.25	1.67	1.02	1
6.61	2.26	0.91	6.25	1.67	1.01	1
6.49	2.21	0.89	6.25	1.66	1.00	1
6.36	2.16	0.88	6.25	1.66	0.99	1
6.23	2.11	0.86	6.25	1.65	0.98	1
6.10	2.07	0.84	6.25	1.65	0.97	1
5.97	2.02	0.82	6.25	1.64	0.97	1
5.84	1.97	0.81	6.25	1.63	0.96	1
5.71	1.93	0.79	6.25	1.63	0.96	1
5.59	1.88	0.77	6.25	1.62	0.95	1
5.46	1.83	0.75	6.25	1.61	0.95	1
5.33	1.79	0.73	6.25	1.61	0.94	1
5.20	1.74	0.72	6.25	1.60	0.94	1
5.07	1.70	0.70	6.25	1.59	0.93	1
4.94	1.65	0.68	6.25	1.59	0.93	1
4.81	1.60	0.66	6.25	1.58	0.92	1
4.69	1.56	0.65	6.25	1.57	0.92	1
4.56	1.51	0.63	6.25	1.57	0.91	1
4.43	1.47	0.61	6.25	1.56	0.91	1
4.30	1.42	0.59	6.25	1.55	0.90	1
4.17	1.38	0.58	6.25	1.54	0.90	1
4.04	1.33	0.56	6.25	1.54	0.89	1
3.91	1.29	0.54	6.25	1.53	0.89	1
3.79	1.24	0.52	6.25	1.52	0.88	1
3.66	1.20	0.50	6.25	1.51	0.88	1
3.53	1.15	0.49	6.25	1.50	0.87	1
3.40	1.11	0.47	6.25	1.49	0.87	1
3.27	1.06	0.45	6.25	1.49	0.86	1
3.14	1.02	0.43	6.25	1.48	0.86	1
3.01	0.98	0.42	6.25	1.47	0.85	1
2.89	0.93	0.40	6.25	1.46	0.85	1
2.76	0.89	0.38	6.25	1.45	0.84	1
2.63	0.85	0.36	6.25	1.44	0.84	1
2.50	0.80	0.34	6.25	1.43	0.84	1
2.50	0.80	0.34	6.25	1.43	0.84	1
2.43	0.78	0.33	6.25	1.42	0.83	1
2.36	0.76	0.33	6.25	1.42	0.83	1
2.29	0.73	0.32	6.25	1.41	0.83	1
2.21	0.71	0.31	6.25	1.41	0.82	1
2.14	0.68	0.30	6.25	1.40	0.82	1
2.07	0.66	0.29	6.25	1.40	0.82	1
2.00	0.64	0.28	6.25	1.39	0.82	1
1.93	0.61	0.27	6.25	1.39	0.81	1
1.86	0.59	0.26	6.25	1.38	0.81	1
1.79	0.57	0.25	6.25	1.38	0.81	1
1.71	0.54	0.24	6.25	1.37	0.81	1
1.64	0.52	0.23	6.25	1.36	0.80	1
1.57	0.50	0.22	6.25	1.36	0.80	1
1.50	0.47	0.21	6.25	1.35	0.80	1
1.43	0.45	0.20	6.25	1.35	0.79	1

			B445.pso			
1.36	0.43	0.19	6.25	1.34	0.79	1
1.29	0.40	0.18	6.25	1.34	0.79	1
1.21	0.38	0.17	6.25	1.33	0.79	1
1.14	0.36	0.16	6.25	1.32	0.78	1
1.07	0.34	0.15	6.25	1.32	0.78	1
1.00	0.31	0.14	6.25	1.31	0.78	1
0.93	0.29	0.13	6.25	1.30	0.78	1
0.86	0.27	0.12	6.25	1.30	0.77	1
0.79	0.24	0.11	6.25	1.29	0.77	1
0.71	0.22	0.10	6.25	1.29	0.77	1
0.64	0.20	0.09	6.25	1.28	0.77	1
0.57	0.18	0.08	6.25	1.27	0.76	1
0.50	0.15	0.07	6.25	1.27	0.76	1
0.43	0.13	0.06	6.25	1.26	0.76	1
0.36	0.11	0.05	6.25	1.25	0.75	1
0.29	0.09	0.04	6.25	1.25	0.75	1
0.21	0.07	0.03	6.25	1.24	0.75	1
0.14	0.04	0.02	6.25	1.23	0.75	1
0.07	0.02	0.01	6.25	1.23	0.74	1
0.00	0.00	0.00	6.25	1.22	0.74	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.77	0.00	0.00	0.00	0.00	0.00	1
4.73	2.93	0.57	2.36	2.31	0.05	1
4.71	5.11	1.24	3.87	3.87	0.00	1
4.69	7.05	1.86	5.19	5.19	0.00	1
4.67	8.94	2.48	6.46	6.46	0.00	1
4.65	10.80	3.10	7.70	7.70	0.00	1
4.63	12.64	3.72	8.92	8.92	0.00	1
4.61	14.45	4.23	10.21	10.11	0.10	1
4.59	16.24	4.66	11.57	11.28	0.30	1
4.57	18.01	5.05	12.96	12.43	0.53	1
4.55	19.77	5.72	14.05	13.57	0.48	1
4.53	21.52	6.26	15.25	14.70	0.55	1
4.52	23.25	6.71	16.54	15.82	0.72	1
4.50	24.99	7.09	17.89	16.93	0.96	1
4.48	26.71	7.41	19.29	18.03	1.26	1
4.46	28.43	7.69	20.73	19.13	1.60	1
4.45	30.14	7.93	22.21	20.22	1.98	1
4.43	31.85	8.14	23.70	21.31	2.39	1
4.41	33.55	8.33	25.22	22.40	2.82	1
4.39	35.25	8.50	26.76	23.48	3.28	1
4.38	36.95	8.64	28.31	24.56	3.75	1
4.36	38.65	8.78	29.87	25.63	4.24	1
4.34	40.34	8.90	31.45	26.71	4.74	1
4.32	42.03	9.00	33.03	27.78	5.25	1
4.31	43.72	9.10	34.62	28.85	5.77	1
4.29	45.41	9.19	36.21	29.92	6.30	1
4.27	47.09	9.28	37.82	30.98	6.83	1
4.26	48.78	9.36	39.42	32.05	7.38	1
4.24	50.46	9.43	41.03	33.11	7.92	1
4.22	52.14	9.49	42.65	34.17	8.48	1
4.20	53.82	9.55	44.27	35.23	9.04	1
4.19	55.50	9.61	45.89	36.29	9.60	1
4.17	57.18	9.67	47.51	37.35	10.16	1
4.15	58.86	9.72	49.14	38.41	10.73	1
4.14	60.53	9.77	50.77	39.46	11.30	1
4.12	62.21	9.81	52.39	40.52	11.88	1
4.12	62.21	9.81	52.39	40.52	11.88	1
4.07	67.23	9.95	57.28	43.68	13.60	1

4.02	72.24	10.16	B445.pso	62.08	46.83	15.25	1
3.97	77.24	10.41		66.84	49.98	16.86	1
3.92	82.24	10.64		71.61	53.12	18.49	1
3.87	87.24	10.85		76.39	56.25	20.14	1
3.82	92.23	11.05		81.18	59.38	21.80	1
3.77	97.21	11.24		85.97	62.51	23.46	1
3.72	102.19	11.43		90.76	65.63	25.13	1
3.67	107.16	11.62		95.54	68.74	26.80	1
3.62	112.13	11.80		100.33	71.85	28.48	1
3.57	117.09	11.98		105.11	74.95	30.16	1
3.52	122.05	12.17		109.89	78.05	31.83	1
3.47	127.01	12.35		114.66	81.15	33.51	1
3.42	131.96	12.53		119.42	84.24	35.18	1
3.37	136.90	12.72		124.18	87.33	36.85	1
3.32	141.84	12.91		128.93	90.41	38.52	1
3.27	146.78	13.10		133.68	93.48	40.19	1
3.22	151.71	13.30		138.41	96.56	41.86	1
3.17	156.63	13.49		143.14	99.62	43.52	1
3.12	161.55	13.69		147.86	102.68	45.18	1
3.07	166.47	13.89		152.58	105.74	46.84	1
3.03	171.38	14.10		157.28	108.79	48.49	1
2.98	176.28	14.31		161.98	111.83	50.14	1
2.93	181.18	14.52		166.67	114.87	51.79	1
2.88	186.08	14.73		171.35	117.91	53.44	1
2.83	190.96	14.95		176.02	120.94	55.08	1
2.78	195.85	15.17		180.68	123.96	56.72	1
2.73	200.72	15.39		185.34	126.98	58.36	1
2.69	205.59	15.61		189.98	129.99	59.99	1
2.64	210.46	15.84		194.62	133.00	61.62	1
2.59	215.32	16.07		199.25	136.00	63.25	1
2.54	220.17	16.30		203.87	138.99	64.88	1
2.49	225.02	16.54		208.48	141.98	66.50	1
2.45	229.86	16.78		213.08	144.96	68.12	1
2.40	234.69	17.02		217.67	147.94	69.74	1
2.40	234.69	17.02		217.67	147.94	69.74	1
2.35	239.52	17.26		222.26	150.91	71.35	1
2.30	244.34	17.51		226.84	153.87	72.97	1
2.26	249.16	17.76		231.40	156.83	74.58	1
2.21	253.97	18.01		235.96	159.78	76.19	1
2.16	258.77	18.26		240.51	162.72	77.79	1
2.11	263.57	18.52		245.05	165.66	79.39	1
2.07	268.36	18.78		249.57	168.59	80.99	1
2.02	273.14	19.05		254.09	171.51	82.58	1
1.97	277.92	19.32		258.60	174.43	84.17	1
1.93	282.69	19.59		263.10	177.34	85.76	1
1.88	287.45	19.86		267.58	180.24	87.34	1
1.83	292.20	20.14		272.06	183.14	88.92	1
1.79	296.95	20.43		276.52	186.02	90.50	1
1.74	301.69	20.71		280.98	188.90	92.07	1
1.70	306.42	21.00		285.42	191.78	93.64	1
1.65	311.15	21.30		289.85	194.64	95.21	1
1.60	315.86	21.59		294.27	197.50	96.77	1
1.56	320.57	21.90		298.68	200.35	98.32	1
1.51	325.28	22.21		303.07	203.20	99.87	1
1.47	329.97	22.52		307.45	206.03	101.42	1
1.42	334.66	22.84		311.82	208.86	102.96	1
1.38	339.33	23.16		316.17	211.67	104.50	1
1.33	344.00	23.49		320.51	214.48	106.02	1
1.29	348.66	23.83		324.83	217.29	107.55	1
1.24	353.31	24.17		329.14	220.08	109.06	1
1.20	357.96	24.53		333.43	222.86	110.57	1
1.15	362.59	24.89		337.70	225.64	112.07	1
1.11	367.21	25.56		341.65	228.40	113.25	1

			B445.pso			
1.06	371.83	26.37	345.46	231.16	114.30	1
1.02	376.43	27.19	349.24	233.90	115.34	1
0.98	381.02	28.03	353.00	236.64	116.36	1
0.93	385.61	28.87	356.73	239.36	117.37	1
0.89	390.18	29.73	360.45	242.08	118.38	1
0.85	394.75	30.60	364.15	244.78	119.37	1
0.80	399.30	31.48	367.83	247.48	120.35	1
0.80	399.30	31.48	367.83	247.48	120.35	1
0.78	401.83	31.96	369.86	248.97	120.90	1
0.76	404.35	32.45	371.89	250.46	121.44	1
0.73	406.87	32.95	373.92	251.94	121.98	1
0.71	409.38	33.45	375.93	253.42	122.51	1
0.68	411.89	33.95	377.94	254.90	123.04	1
0.66	414.40	34.45	379.95	256.38	123.57	1
0.64	416.91	34.96	381.94	257.85	124.09	1
0.61	419.41	35.48	383.93	259.32	124.61	1
0.59	421.91	35.99	385.91	260.79	125.13	1
0.57	424.40	36.51	387.89	262.25	125.64	1
0.54	426.89	37.04	389.86	263.71	126.15	1
0.52	429.38	37.57	391.82	265.16	126.65	1
0.50	431.87	38.10	393.77	266.62	127.15	1
0.47	434.35	38.64	395.71	268.06	127.65	1
0.45	436.83	39.18	397.65	269.51	128.14	1
0.43	439.30	39.72	399.58	270.95	128.63	1
0.40	441.77	40.27	401.50	272.39	129.11	1
0.38	444.24	40.82	403.41	273.82	129.59	1
0.36	446.70	41.38	405.32	275.25	130.07	1
0.34	449.16	41.94	407.21	276.68	130.54	1
0.31	451.61	42.51	409.10	278.10	131.00	1
0.29	454.07	43.08	410.98	279.52	131.46	1
0.27	456.51	43.66	412.85	280.93	131.92	1
0.24	458.96	44.24	414.71	282.34	132.37	1
0.22	461.40	44.83	416.57	283.75	132.82	1
0.20	463.83	45.42	418.41	285.15	133.26	1
0.18	466.27	46.02	420.25	286.55	133.69	1
0.15	468.69	46.62	422.07	287.95	134.12	1
0.13	471.12	47.23	423.88	289.34	134.54	1
0.11	473.54	47.85	425.69	290.73	134.96	1
0.09	475.95	48.47	427.48	292.11	135.37	1
0.07	478.37	49.10	429.27	293.49	135.78	1
0.04	480.77	49.73	431.04	294.86	136.18	1
0.02	483.18	50.78	432.40	296.24	136.16	1
0.00	485.58	52.12	433.45	297.60	135.85	1

Time = 75. Degree of Consolidation = 90.0%

Total Settlement = 8.231

Settlement at End of Primary Consolidation = 9.172

Settlement caused by Primary Consolidation at time 75. = 8.231

Settlement caused by Secondary Compression at time 75. = 0.000

Settlement Due to Desiccation = 0.000

Surface Elevation = 4.02

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
13.00	4.64	1.79	6.25	1.75	1.75	1
12.96	4.62	1.79	6.25	1.75	1.75	1
12.91	4.60	1.78	6.25	1.75	1.75	1
12.87	4.59	1.78	6.25	1.75	1.75	1
12.83	4.57	1.77	6.25	1.75	1.75	1
12.79	4.56	1.76	6.25	1.75	1.75	1
12.74	4.54	1.76	6.25	1.96	1.96	1
12.70	4.52	1.75	6.25	2.20	1.93	1
12.66	4.50	1.75	6.25	2.14	1.90	1
12.61	4.48	1.74	6.25	2.10	1.87	1
12.57	4.46	1.73	6.25	2.06	1.84	1
12.53	4.45	1.73	6.25	2.03	1.83	1
12.49	4.43	1.72	6.25	2.01	1.81	1
12.44	4.41	1.72	6.25	1.99	1.80	1
12.40	4.39	1.71	6.25	1.97	1.78	1
12.36	4.38	1.70	6.25	1.95	1.77	1
12.31	4.36	1.70	6.25	1.94	1.76	1
12.27	4.34	1.69	6.25	1.93	1.74	1
12.23	4.32	1.69	6.25	1.92	1.73	1
12.19	4.31	1.68	6.25	1.91	1.71	1
12.14	4.29	1.67	6.25	1.90	1.70	1
12.10	4.27	1.67	6.25	1.89	1.68	1
12.06	4.26	1.66	6.25	1.88	1.67	1
12.01	4.24	1.66	6.25	1.87	1.65	1
11.97	4.22	1.65	6.25	1.87	1.64	1
11.93	4.20	1.65	6.25	1.86	1.63	1
11.89	4.19	1.64	6.25	1.86	1.61	1
11.84	4.17	1.63	6.25	1.85	1.60	1
11.80	4.15	1.63	6.25	1.85	1.58	1
11.76	4.14	1.62	6.25	1.84	1.57	1
11.71	4.12	1.62	6.25	1.84	1.55	1
11.67	4.10	1.61	6.25	1.83	1.54	1
11.63	4.09	1.60	6.25	1.83	1.52	1
11.59	4.07	1.60	6.25	1.83	1.51	1
11.54	4.05	1.59	6.25	1.82	1.50	1
11.50	4.04	1.59	6.25	1.82	1.49	1
11.50	4.04	1.59	6.25	1.82	1.49	1
11.37	3.99	1.57	6.25	1.81	1.47	1
11.24	3.94	1.55	6.25	1.80	1.45	1
11.11	3.89	1.53	6.25	1.79	1.43	1
10.99	3.84	1.52	6.25	1.78	1.41	1
10.86	3.79	1.50	6.25	1.78	1.39	1
10.73	3.74	1.48	6.25	1.77	1.37	1
10.60	3.69	1.46	6.25	1.77	1.35	1
10.47	3.64	1.44	6.25	1.76	1.33	1
10.34	3.59	1.43	6.25	1.76	1.31	1
10.21	3.54	1.41	6.25	1.75	1.29	1
10.09	3.50	1.39	6.25	1.75	1.27	1
9.96	3.45	1.37	6.25	1.74	1.25	1
9.83	3.40	1.36	6.25	1.74	1.23	1
9.70	3.35	1.34	6.25	1.73	1.22	1
9.57	3.30	1.32	6.25	1.73	1.21	1
9.44	3.25	1.30	6.25	1.72	1.20	1
9.31	3.20	1.28	6.25	1.72	1.19	1
9.19	3.16	1.27	6.25	1.71	1.18	1
9.06	3.11	1.25	6.25	1.71	1.17	1
8.93	3.06	1.23	6.25	1.70	1.16	1
8.80	3.01	1.21	6.25	1.70	1.15	1

8.67	2.96	1.20	B445.pso	6.25	1.69	1.14	1
8.54	2.92	1.18		6.25	1.69	1.13	1
8.41	2.87	1.16		6.25	1.68	1.12	1
8.29	2.82	1.14		6.25	1.68	1.11	1
8.16	2.77	1.13		6.25	1.67	1.10	1
8.03	2.73	1.11		6.25	1.67	1.09	1
7.90	2.68	1.09		6.25	1.66	1.09	1
7.77	2.63	1.07		6.25	1.66	1.08	1
7.64	2.59	1.05		6.25	1.65	1.07	1
7.51	2.54	1.04		6.25	1.65	1.06	1
7.39	2.49	1.02		6.25	1.64	1.05	1
7.26	2.44	1.00		6.25	1.64	1.04	1
7.13	2.40	0.98		6.25	1.63	1.03	1
7.00	2.35	0.97		6.25	1.63	1.02	1
7.00	2.35	0.97		6.25	1.63	1.02	1
6.87	2.30	0.95		6.25	1.62	1.01	1
6.74	2.26	0.93		6.25	1.62	1.00	1
6.61	2.21	0.91		6.25	1.61	0.99	1
6.49	2.17	0.89		6.25	1.60	0.98	1
6.36	2.12	0.88		6.25	1.60	0.97	1
6.23	2.07	0.86		6.25	1.59	0.96	1
6.10	2.03	0.84		6.25	1.59	0.96	1
5.97	1.98	0.82		6.25	1.58	0.96	1
5.84	1.94	0.81		6.25	1.58	0.95	1
5.71	1.89	0.79		6.25	1.57	0.95	1
5.59	1.84	0.77		6.25	1.56	0.94	1
5.46	1.80	0.75		6.25	1.56	0.94	1
5.33	1.75	0.73		6.25	1.55	0.93	1
5.20	1.71	0.72		6.25	1.54	0.93	1
5.07	1.66	0.70		6.25	1.54	0.92	1
4.94	1.62	0.68		6.25	1.53	0.92	1
4.81	1.57	0.66		6.25	1.52	0.91	1
4.69	1.53	0.65		6.25	1.52	0.91	1
4.56	1.48	0.63		6.25	1.51	0.90	1
4.43	1.44	0.61		6.25	1.50	0.90	1
4.30	1.40	0.59		6.25	1.50	0.89	1
4.17	1.35	0.58		6.25	1.49	0.89	1
4.04	1.31	0.56		6.25	1.48	0.88	1
3.91	1.26	0.54		6.25	1.47	0.88	1
3.79	1.22	0.52		6.25	1.47	0.87	1
3.66	1.18	0.50		6.25	1.46	0.87	1
3.53	1.13	0.49		6.25	1.45	0.86	1
3.40	1.09	0.47		6.25	1.44	0.86	1
3.27	1.05	0.45		6.25	1.43	0.85	1
3.14	1.00	0.43		6.25	1.43	0.85	1
3.01	0.96	0.42		6.25	1.42	0.84	1
2.89	0.92	0.40		6.25	1.41	0.84	1
2.76	0.87	0.38		6.25	1.40	0.83	1
2.63	0.83	0.36		6.25	1.39	0.83	1
2.50	0.79	0.34		6.25	1.38	0.82	1
2.50	0.79	0.34		6.25	1.38	0.82	1
2.43	0.77	0.33		6.25	1.38	0.82	1
2.36	0.74	0.33		6.25	1.37	0.82	1
2.29	0.72	0.32		6.25	1.37	0.82	1
2.21	0.70	0.31		6.25	1.36	0.81	1
2.14	0.67	0.30		6.25	1.36	0.81	1
2.07	0.65	0.29		6.25	1.35	0.81	1
2.00	0.63	0.28		6.25	1.35	0.81	1
1.93	0.60	0.27		6.25	1.34	0.80	1
1.86	0.58	0.26		6.25	1.34	0.80	1
1.79	0.56	0.25		6.25	1.33	0.80	1
1.71	0.53	0.24		6.25	1.33	0.80	1
1.64	0.51	0.23		6.25	1.32	0.79	1

			B445.pso			
1.57	0.49	0.22	6.25	1.32	0.79	1
1.50	0.47	0.21	6.25	1.31	0.79	1
1.43	0.44	0.20	6.25	1.31	0.78	1
1.36	0.42	0.19	6.25	1.30	0.78	1
1.29	0.40	0.18	6.25	1.30	0.78	1
1.21	0.38	0.17	6.25	1.29	0.78	1
1.14	0.35	0.16	6.25	1.28	0.77	1
1.07	0.33	0.15	6.25	1.28	0.77	1
1.00	0.31	0.14	6.25	1.27	0.77	1
0.93	0.29	0.13	6.25	1.27	0.77	1
0.86	0.26	0.12	6.25	1.26	0.76	1
0.79	0.24	0.11	6.25	1.26	0.76	1
0.71	0.22	0.10	6.25	1.25	0.76	1
0.64	0.20	0.09	6.25	1.25	0.75	1
0.57	0.17	0.08	6.25	1.24	0.75	1
0.50	0.15	0.07	6.25	1.23	0.75	1
0.43	0.13	0.06	6.25	1.23	0.75	1
0.36	0.11	0.05	6.25	1.22	0.74	1
0.29	0.09	0.04	6.25	1.22	0.74	1
0.21	0.07	0.03	6.25	1.21	0.74	1
0.14	0.04	0.02	6.25	1.20	0.74	1
0.07	0.02	0.01	6.25	1.20	0.73	1
0.00	0.00	0.00	6.25	1.19	0.73	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.64	0.00	0.00	0.00	0.00	0.00	1
4.62	1.27	1.27	0.00	0.00	0.00	1
4.60	2.53	2.53	0.00	0.00	0.00	1
4.59	3.80	3.80	0.00	0.00	0.00	1
4.57	5.06	5.06	0.00	0.00	0.00	1
4.56	6.33	6.33	0.00	0.00	0.00	1
4.54	7.83	7.83	0.00	0.00	0.00	1
4.52	9.60	4.26	5.34	1.15	4.19	1
4.50	11.39	4.71	6.68	2.32	4.36	1
4.48	13.16	5.20	7.96	3.47	4.49	1
4.46	14.92	5.90	9.01	4.61	4.41	1
4.45	16.66	6.48	10.18	5.73	4.45	1
4.43	18.39	6.96	11.43	6.84	4.59	1
4.41	20.12	7.37	12.75	7.95	4.80	1
4.39	21.84	7.72	14.12	9.05	5.07	1
4.38	23.55	8.02	15.53	10.14	5.39	1
4.36	25.26	8.29	16.97	11.23	5.74	1
4.34	26.96	8.52	18.44	12.31	6.13	1
4.32	28.65	8.73	19.92	13.39	6.54	1
4.31	30.35	8.92	21.43	14.46	6.97	1
4.29	32.04	9.09	22.95	15.53	7.41	1
4.27	33.72	9.25	24.48	16.60	7.88	1
4.26	35.41	9.39	26.02	17.66	8.35	1
4.24	37.09	9.52	27.57	18.72	8.84	1
4.22	38.77	9.65	29.12	19.78	9.34	1
4.20	40.45	9.76	30.69	20.84	9.85	1
4.19	42.12	9.86	32.26	21.89	10.36	1
4.17	43.79	9.96	33.83	22.95	10.88	1
4.15	45.46	10.13	35.34	24.00	11.34	1
4.14	47.13	10.32	36.81	25.05	11.76	1
4.12	48.80	10.51	38.29	26.10	12.19	1
4.10	50.47	10.69	39.78	27.14	12.64	1
4.09	52.13	10.86	41.27	28.19	13.09	1
4.07	53.79	11.02	42.77	29.23	13.54	1
4.05	55.45	11.17	44.28	30.27	14.01	1

			B445.pso			
4.04	57.11	11.32	45.79	31.31	14.48	1
4.04	57.11	11.32	45.79	31.31	14.48	1
3.99	62.09	11.76	50.33	34.43	15.90	1
3.94	67.05	12.15	54.90	37.53	17.37	1
3.89	72.00	12.49	59.51	40.62	18.89	1
3.84	76.95	12.80	64.14	43.71	20.44	1
3.79	81.88	13.09	68.80	46.79	22.01	1
3.74	86.81	13.35	73.46	49.86	23.61	1
3.69	91.74	13.60	78.14	52.92	25.22	1
3.64	96.65	13.83	82.82	55.98	26.84	1
3.59	101.57	14.06	87.51	59.03	28.48	1
3.54	106.47	14.27	92.20	62.08	30.12	1
3.50	111.37	14.48	96.89	65.12	31.77	1
3.45	116.26	14.69	101.58	68.15	33.42	1
3.40	121.15	14.89	106.26	71.18	35.08	1
3.35	126.04	15.10	110.94	74.21	36.73	1
3.30	130.92	15.30	115.62	77.23	38.39	1
3.25	135.79	15.50	120.29	80.24	40.05	1
3.20	140.66	15.70	124.96	83.25	41.71	1
3.16	145.52	15.90	129.62	86.26	43.37	1
3.11	150.38	16.10	134.28	89.25	45.02	1
3.06	155.23	16.31	138.93	92.25	46.68	1
3.01	160.08	16.51	143.57	95.24	48.33	1
2.96	164.92	16.72	148.21	98.22	49.99	1
2.92	169.76	16.92	152.84	101.20	51.64	1
2.87	174.59	17.13	157.46	104.17	53.29	1
2.82	179.42	17.34	162.07	107.14	54.94	1
2.77	184.24	17.56	166.68	110.10	56.58	1
2.73	189.05	17.77	171.28	113.05	58.23	1
2.68	193.86	17.99	175.87	116.00	59.87	1
2.63	198.67	18.21	180.46	118.95	61.51	1
2.59	203.46	18.43	185.04	121.89	63.15	1
2.54	208.26	18.65	189.61	124.82	64.79	1
2.49	213.04	18.87	194.17	127.75	66.42	1
2.44	217.82	19.10	198.72	130.67	68.05	1
2.40	222.60	19.33	203.27	133.59	69.68	1
2.35	227.37	19.56	207.81	136.50	71.31	1
2.35	227.37	19.56	207.81	136.50	71.31	1
2.30	232.13	19.79	212.34	139.40	72.94	1
2.26	236.89	20.03	216.86	142.30	74.56	1
2.21	241.64	20.26	221.37	145.19	76.18	1
2.17	246.38	20.50	225.88	148.08	77.80	1
2.12	251.12	20.75	230.37	150.96	79.42	1
2.07	255.85	20.99	234.86	153.83	81.03	1
2.03	260.58	21.24	239.34	156.70	82.64	1
1.98	265.30	21.49	243.81	159.56	84.25	1
1.94	270.01	21.75	248.26	162.41	85.85	1
1.89	274.72	22.01	252.71	165.26	87.46	1
1.84	279.42	22.27	257.15	168.10	89.05	1
1.80	284.11	22.53	261.58	170.93	90.65	1
1.75	288.80	22.81	265.99	173.76	92.23	1
1.71	293.47	23.08	270.40	176.58	93.82	1
1.66	298.15	23.36	274.79	179.39	95.40	1
1.62	302.81	23.64	279.17	182.19	96.97	1
1.57	307.47	23.93	283.54	184.99	98.54	1
1.53	312.12	24.23	287.89	187.78	100.11	1
1.48	316.76	24.53	292.23	190.56	101.66	1
1.44	321.39	24.84	296.55	193.34	103.21	1
1.40	326.02	25.33	300.68	196.11	104.58	1
1.35	330.64	26.03	304.61	198.86	105.74	1
1.31	335.24	26.73	308.51	201.61	106.90	1
1.26	339.85	27.44	312.40	204.36	108.05	1
1.22	344.44	28.17	316.27	207.09	109.18	1

			B445.pso			
1.18	349.02	28.90	320.13	209.81	110.31	1
1.13	353.60	29.63	323.96	212.53	111.43	1
1.09	358.16	30.38	327.78	215.24	112.54	1
1.05	362.72	31.14	331.58	217.93	113.65	1
1.00	367.27	31.90	335.36	220.62	114.74	1
0.96	371.80	32.68	339.13	223.30	115.83	1
0.92	376.33	33.46	342.87	225.97	116.90	1
0.87	380.85	34.25	346.60	228.63	117.97	1
0.83	385.36	35.05	350.32	231.28	119.03	1
0.79	389.86	35.86	354.01	233.92	120.08	1
0.79	389.86	35.86	354.01	233.92	120.08	1
0.77	392.36	36.30	356.06	235.39	120.67	1
0.74	394.85	36.76	358.10	236.85	121.25	1
0.72	397.34	37.21	360.13	238.31	121.83	1
0.70	399.83	37.67	362.16	239.76	122.40	1
0.67	402.32	38.13	364.19	241.21	122.97	1
0.65	404.80	38.59	366.20	242.66	123.54	1
0.63	407.27	39.06	368.22	244.11	124.11	1
0.60	409.75	39.53	370.22	245.55	124.67	1
0.58	412.22	40.00	372.22	246.99	125.23	1
0.56	414.69	40.48	374.21	248.42	125.79	1
0.53	417.15	40.96	376.20	249.85	126.34	1
0.51	419.62	41.44	378.18	251.28	126.89	1
0.49	422.08	41.92	380.15	252.71	127.44	1
0.47	424.53	42.41	382.12	254.13	127.98	1
0.44	426.98	42.91	384.08	255.55	128.52	1
0.42	429.43	43.40	386.03	256.97	129.06	1
0.40	431.88	43.90	387.98	258.38	129.59	1
0.38	434.32	44.41	389.92	259.79	130.12	1
0.35	436.76	44.91	391.85	261.20	130.65	1
0.33	439.20	45.43	393.77	262.60	131.17	1
0.31	441.63	45.94	395.69	264.00	131.69	1
0.29	444.06	46.46	397.60	265.40	132.20	1
0.26	446.48	46.98	399.50	266.79	132.71	1
0.24	448.91	47.51	401.39	268.18	133.22	1
0.22	451.32	48.04	403.28	269.56	133.72	1
0.20	453.74	48.58	405.16	270.95	134.21	1
0.17	456.15	49.12	407.03	272.33	134.70	1
0.15	458.56	49.67	408.89	273.70	135.19	1
0.13	460.96	50.47	410.50	275.07	135.43	1
0.11	463.36	51.63	411.74	276.44	135.30	1
0.09	465.76	52.80	412.96	277.80	135.16	1
0.07	468.15	53.98	414.17	279.16	135.01	1
0.04	470.54	55.18	415.37	280.52	134.85	1
0.02	472.93	56.38	416.55	281.87	134.67	1
0.00	475.31	57.60	417.71	283.22	134.49	1

Time = 90. Degree of Consolidation = 90.%

Total Settlement = 8.363

Settlement at End of Primary Consolidation = 9.268

Settlement caused by Primary Consolidation at time 90. = 8.318

Settlement caused by Secondary Compression at time 90. = 0.000

Settlement Due to Desiccation = 0.045

Surface Elevation = 3.89

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	4.37	1.79	6.25	1.75	1.75	1
12.96	4.35	1.79	6.25	1.75	1.75	1
12.91	4.34	1.78	6.25	1.75	1.75	1
12.87	4.32	1.78	6.25	1.75	1.75	1
12.83	4.30	1.77	6.25	1.75	1.75	1
12.79	4.29	1.76	6.25	1.75	1.75	1
12.74	4.27	1.76	6.25	1.75	1.75	1
12.70	4.26	1.75	6.25	1.75	1.75	1
12.66	4.24	1.75	6.25	1.75	1.75	1
12.61	4.22	1.74	6.25	1.75	1.75	1
12.57	4.21	1.73	6.25	1.75	1.75	1
12.53	4.19	1.73	6.25	1.75	1.75	1
12.49	4.17	1.72	6.25	1.75	1.74	1
12.44	4.16	1.72	6.25	1.74	1.72	1
12.40	4.14	1.71	6.25	1.73	1.71	1
12.36	4.13	1.70	6.25	1.72	1.70	1
12.31	4.11	1.70	6.25	1.72	1.68	1
12.27	4.09	1.69	6.25	1.71	1.67	1
12.23	4.08	1.69	6.25	1.71	1.65	1
12.19	4.06	1.68	6.25	1.70	1.64	1
12.14	4.05	1.67	6.25	1.69	1.62	1
12.10	4.03	1.67	6.25	1.69	1.61	1
12.06	4.01	1.66	6.25	1.68	1.59	1
12.01	4.00	1.66	6.25	1.68	1.58	1
11.97	3.98	1.65	6.25	1.68	1.57	1
11.93	3.97	1.65	6.25	1.67	1.55	1
11.89	3.95	1.64	6.25	1.67	1.54	1
11.84	3.94	1.63	6.25	1.66	1.52	1
11.80	3.92	1.63	6.25	1.66	1.51	1
11.76	3.90	1.62	6.25	1.66	1.50	1
11.71	3.89	1.62	6.25	1.65	1.49	1
11.67	3.87	1.61	6.25	1.65	1.48	1
11.63	3.86	1.60	6.25	1.65	1.48	1
11.59	3.84	1.60	6.25	1.64	1.47	1
11.54	3.83	1.59	6.25	1.64	1.46	1
11.50	3.81	1.59	6.25	1.64	1.46	1
11.50	3.81	1.59	6.25	1.64	1.46	1
11.37	3.76	1.57	6.25	1.63	1.44	1
11.24	3.72	1.55	6.25	1.62	1.42	1
11.11	3.67	1.53	6.25	1.62	1.40	1
10.99	3.62	1.52	6.25	1.61	1.38	1
10.86	3.58	1.50	6.25	1.60	1.36	1
10.73	3.53	1.48	6.25	1.60	1.34	1
10.60	3.49	1.46	6.25	1.59	1.32	1
10.47	3.44	1.44	6.25	1.59	1.30	1
10.34	3.39	1.43	6.25	1.58	1.28	1
10.21	3.35	1.41	6.25	1.58	1.26	1
10.09	3.30	1.39	6.25	1.58	1.24	1
9.96	3.26	1.37	6.25	1.57	1.22	1
9.83	3.21	1.36	6.25	1.57	1.21	1
9.70	3.17	1.34	6.25	1.56	1.20	1
9.57	3.12	1.32	6.25	1.56	1.19	1
9.44	3.07	1.30	6.25	1.55	1.18	1
9.31	3.03	1.28	6.25	1.55	1.17	1
9.19	2.98	1.27	6.25	1.55	1.17	1

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9.06	2.94	1.25	6.25	1.54	1.16	1
8.93	2.89	1.23	6.25	1.54	1.15	1
8.80	2.85	1.21	6.25	1.53	1.14	1
8.67	2.80	1.20	6.25	1.53	1.13	1
8.54	2.76	1.18	6.25	1.52	1.12	1
8.41	2.71	1.16	6.25	1.52	1.11	1
8.29	2.67	1.14	6.25	1.52	1.10	1
8.16	2.63	1.13	6.25	1.51	1.09	1
8.03	2.58	1.11	6.25	1.51	1.08	1
7.90	2.54	1.09	6.25	1.50	1.07	1
7.77	2.49	1.07	6.25	1.50	1.06	1
7.64	2.45	1.05	6.25	1.49	1.05	1
7.51	2.40	1.04	6.25	1.49	1.04	1
7.39	2.36	1.02	6.25	1.48	1.03	1
7.26	2.32	1.00	6.25	1.48	1.02	1
7.13	2.27	0.98	6.25	1.47	1.01	1
7.00	2.23	0.97	6.25	1.47	1.00	1
7.00	2.23	0.97	6.25	1.47	1.00	1
6.87	2.18	0.95	6.25	1.46	0.99	1
6.74	2.14	0.93	6.25	1.46	0.98	1
6.61	2.10	0.91	6.25	1.45	0.97	1
6.49	2.05	0.89	6.25	1.45	0.97	1
6.36	2.01	0.88	6.25	1.44	0.96	1
6.23	1.97	0.86	6.25	1.44	0.96	1
6.10	1.92	0.84	6.25	1.43	0.95	1
5.97	1.88	0.82	6.25	1.43	0.95	1
5.84	1.84	0.81	6.25	1.42	0.94	1
5.71	1.80	0.79	6.25	1.42	0.94	1
5.59	1.75	0.77	6.25	1.41	0.93	1
5.46	1.71	0.75	6.25	1.41	0.93	1
5.33	1.67	0.73	6.25	1.40	0.92	1
5.20	1.62	0.72	6.25	1.39	0.92	1
5.07	1.58	0.70	6.25	1.39	0.91	1
4.94	1.54	0.68	6.25	1.38	0.91	1
4.81	1.50	0.66	6.25	1.38	0.90	1
4.69	1.46	0.65	6.25	1.37	0.90	1
4.56	1.41	0.63	6.25	1.37	0.89	1
4.43	1.37	0.61	6.25	1.36	0.89	1
4.30	1.33	0.59	6.25	1.35	0.88	1
4.17	1.29	0.58	6.25	1.35	0.88	1
4.04	1.25	0.56	6.25	1.34	0.87	1
3.91	1.20	0.54	6.25	1.34	0.87	1
3.79	1.16	0.52	6.25	1.33	0.86	1
3.66	1.12	0.50	6.25	1.32	0.86	1
3.53	1.08	0.49	6.25	1.32	0.85	1
3.40	1.04	0.47	6.25	1.31	0.85	1
3.27	1.00	0.45	6.25	1.30	0.85	1
3.14	0.96	0.43	6.25	1.30	0.84	1
3.01	0.92	0.42	6.25	1.29	0.84	1
2.89	0.88	0.40	6.25	1.29	0.83	1
2.76	0.84	0.38	6.25	1.28	0.83	1
2.63	0.80	0.36	6.25	1.27	0.82	1
2.50	0.76	0.34	6.25	1.27	0.82	1
2.50	0.76	0.34	6.25	1.27	0.82	1
2.43	0.73	0.33	6.25	1.26	0.81	1
2.36	0.71	0.33	6.25	1.26	0.81	1
2.29	0.69	0.32	6.25	1.25	0.81	1
2.21	0.67	0.31	6.25	1.25	0.81	1
2.14	0.64	0.30	6.25	1.25	0.80	1
2.07	0.62	0.29	6.25	1.24	0.80	1
2.00	0.60	0.28	6.25	1.24	0.80	1
1.93	0.58	0.27	6.25	1.23	0.79	1
1.86	0.56	0.26	6.25	1.23	0.79	1

B445.pso						
1.79	0.53	0.25	6.25	1.23	0.79	1
1.71	0.51	0.24	6.25	1.22	0.79	1
1.64	0.49	0.23	6.25	1.22	0.78	1
1.57	0.47	0.22	6.25	1.21	0.78	1
1.50	0.45	0.21	6.25	1.21	0.78	1
1.43	0.43	0.20	6.25	1.21	0.78	1
1.36	0.40	0.19	6.25	1.20	0.77	1
1.29	0.38	0.18	6.25	1.20	0.77	1
1.21	0.36	0.17	6.25	1.19	0.77	1
1.14	0.34	0.16	6.25	1.19	0.77	1
1.07	0.32	0.15	6.25	1.18	0.76	1
1.00	0.30	0.14	6.25	1.18	0.76	1
0.93	0.27	0.13	6.25	1.17	0.76	1
0.86	0.25	0.12	6.25	1.17	0.75	1
0.79	0.23	0.11	6.25	1.16	0.75	1
0.71	0.21	0.10	6.25	1.16	0.75	1
0.64	0.19	0.09	6.25	1.16	0.75	1
0.57	0.17	0.08	6.25	1.15	0.74	1
0.50	0.15	0.07	6.25	1.15	0.74	1
0.43	0.13	0.06	6.25	1.14	0.74	1
0.36	0.10	0.05	6.25	1.14	0.74	1
0.29	0.08	0.04	6.25	1.13	0.73	1
0.21	0.06	0.03	6.25	1.13	0.73	1
0.14	0.04	0.02	6.25	1.12	0.73	1
0.07	0.02	0.01	6.25	1.12	0.72	1
0.00	0.00	0.00	6.25	1.11	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.37	0.00	0.00	0.00	0.00	0.00	1
4.35	1.27	1.27	0.00	0.00	0.00	1
4.34	2.53	2.53	0.00	0.00	0.00	1
4.32	3.80	3.80	0.00	0.00	0.00	1
4.30	5.06	5.06	0.00	0.00	0.00	1
4.29	6.33	6.33	0.00	0.00	0.00	1
4.27	7.60	7.60	0.00	0.00	0.00	1
4.26	8.86	8.86	0.00	0.00	0.00	1
4.24	10.13	10.13	0.00	0.00	0.00	1
4.22	11.40	11.40	0.00	0.00	0.00	1
4.21	12.66	12.66	0.00	0.00	0.00	1
4.19	14.15	14.15	0.00	0.00	0.00	1
4.17	15.78	14.49	1.29	1.01	0.28	1
4.16	17.41	14.82	2.60	2.03	0.57	1
4.14	19.04	15.12	3.92	3.03	0.88	1
4.13	20.67	15.42	5.25	4.04	1.21	1
4.11	22.29	15.70	6.60	5.04	1.55	1
4.09	23.91	15.96	7.95	6.04	1.91	1
4.08	25.53	16.21	9.32	7.04	2.28	1
4.06	27.15	16.45	10.70	8.04	2.66	1
4.05	28.76	16.68	12.08	9.03	3.05	1
4.03	30.37	16.89	13.48	10.03	3.45	1
4.01	31.98	17.10	14.88	11.02	3.87	1
4.00	33.59	17.30	16.30	12.01	4.29	1
3.98	35.20	17.48	17.72	13.00	4.72	1
3.97	36.81	17.66	19.14	13.98	5.16	1
3.95	38.41	17.83	20.58	14.97	5.61	1
3.94	40.01	18.00	22.02	15.95	6.07	1
3.92	41.61	18.15	23.46	16.93	6.53	1
3.90	43.21	18.30	24.91	17.91	7.00	1
3.89	44.81	18.44	26.37	18.89	7.48	1
3.87	46.41	18.58	27.83	19.87	7.96	1

			B445.pso			
3.86	48.01	18.71	29.29	20.85	8.45	1
3.84	49.60	18.84	30.76	21.82	8.94	1
3.83	51.20	18.96	32.24	22.80	9.44	1
3.81	52.79	19.08	33.71	23.77	9.94	1
3.81	52.79	19.08	33.71	23.77	9.94	1
3.76	57.57	19.43	38.14	26.68	11.45	1
3.72	62.33	19.75	42.58	29.59	12.99	1
3.67	67.09	20.03	47.05	32.49	14.56	1
3.62	71.84	20.30	51.54	35.38	16.16	1
3.58	76.58	20.54	56.04	38.26	17.77	1
3.53	81.32	20.77	60.55	41.14	19.40	1
3.49	86.05	20.99	65.06	44.02	21.04	1
3.44	90.78	21.20	69.58	46.88	22.69	1
3.39	95.50	21.40	74.10	49.75	24.35	1
3.35	100.21	21.59	78.62	52.60	26.02	1
3.30	104.93	21.78	83.14	55.45	27.69	1
3.26	109.63	21.97	87.66	58.30	29.36	1
3.21	114.33	22.15	92.18	61.14	31.04	1
3.17	119.03	22.33	96.70	63.98	32.72	1
3.12	123.72	22.51	101.21	66.82	34.40	1
3.07	128.41	22.69	105.72	69.64	36.08	1
3.03	133.09	22.87	110.22	72.47	37.76	1
2.98	137.77	23.05	114.72	75.29	39.43	1
2.94	142.45	23.23	119.21	78.10	41.11	1
2.89	147.11	23.41	123.70	80.91	42.79	1
2.85	151.78	23.60	128.18	83.72	44.47	1
2.80	156.44	23.78	132.66	86.52	46.14	1
2.76	161.09	23.97	137.13	89.31	47.81	1
2.71	165.74	24.15	141.59	92.10	49.49	1
2.67	170.39	24.34	146.04	94.89	51.15	1
2.63	175.03	24.54	150.49	97.67	52.82	1
2.58	179.66	24.73	154.93	100.45	54.48	1
2.54	184.29	24.93	159.36	103.22	56.14	1
2.49	188.92	25.29	163.63	105.98	57.65	1
2.45	193.54	25.73	167.81	108.74	59.07	1
2.40	198.15	26.17	171.98	111.50	60.48	1
2.36	202.76	26.62	176.14	114.25	61.90	1
2.32	207.36	27.07	180.30	116.99	63.31	1
2.27	211.96	27.52	184.44	119.73	64.71	1
2.23	216.55	27.98	188.58	122.46	66.11	1
2.23	216.55	27.98	188.58	122.46	66.11	1
2.18	221.14	28.44	192.70	125.19	67.51	1
2.14	225.72	28.90	196.82	127.92	68.91	1
2.10	230.30	29.37	200.93	130.63	70.30	1
2.05	234.87	29.84	205.03	133.34	71.69	1
2.01	239.44	30.32	209.12	136.05	73.07	1
1.97	243.99	30.80	213.20	138.75	74.45	1
1.92	248.55	31.28	217.27	141.44	75.82	1
1.88	253.10	31.77	221.33	144.13	77.19	1
1.84	257.64	32.26	225.37	146.82	78.56	1
1.80	262.17	32.76	229.41	149.49	79.92	1
1.75	266.70	33.26	233.44	152.16	81.28	1
1.71	271.23	33.77	237.46	154.83	82.63	1
1.67	275.74	34.28	241.47	157.49	83.98	1
1.62	280.26	34.79	245.46	160.14	85.32	1
1.58	284.76	35.31	249.45	162.79	86.66	1
1.54	289.26	35.84	253.42	165.43	88.00	1
1.50	293.75	36.36	257.39	168.06	89.33	1
1.46	298.24	36.90	261.34	170.69	90.66	1
1.41	302.72	37.43	265.29	173.31	91.98	1
1.37	307.19	37.97	269.22	175.92	93.30	1
1.33	311.66	38.52	273.14	178.53	94.61	1
1.29	316.12	39.07	277.05	181.13	95.92	1

			B445.pso			
1.25	320.58	39.62	280.95	183.73	97.22	1
1.20	325.02	40.18	284.84	186.32	98.52	1
1.16	329.46	40.75	288.72	188.90	99.82	1
1.12	333.90	41.32	292.58	191.47	101.11	1
1.08	338.33	41.89	296.43	194.04	102.39	1
1.04	342.75	42.48	300.27	196.60	103.67	1
1.00	347.16	43.06	304.10	199.16	104.94	1
0.96	351.57	43.66	307.91	201.70	106.21	1
0.92	355.96	44.25	311.71	204.24	107.47	1
0.88	360.36	44.86	315.50	206.78	108.72	1
0.84	364.74	45.47	319.27	209.30	109.97	1
0.80	369.12	46.09	323.02	211.82	111.21	1
0.76	373.49	46.72	326.77	214.33	112.44	1
0.76	373.49	46.72	326.77	214.33	112.44	1
0.73	375.91	47.07	328.84	215.72	113.12	1
0.71	378.33	47.42	330.91	217.11	113.80	1
0.69	380.75	47.78	332.98	218.50	114.48	1
0.67	383.17	48.14	335.04	219.88	115.15	1
0.64	385.59	48.50	337.09	221.26	115.83	1
0.62	388.00	48.86	339.14	222.64	116.49	1
0.60	390.41	49.23	341.18	224.02	117.16	1
0.58	392.82	49.60	343.22	225.40	117.82	1
0.56	395.22	49.97	345.25	226.77	118.48	1
0.53	397.62	50.73	346.90	228.14	118.76	1
0.51	400.02	51.52	348.50	229.51	119.00	1
0.49	402.42	52.32	350.10	230.87	119.23	1
0.47	404.82	53.13	351.68	232.23	119.45	1
0.45	407.21	53.95	353.26	233.59	119.67	1
0.43	409.60	54.78	354.82	234.95	119.87	1
0.40	411.99	55.61	356.38	236.30	120.07	1
0.38	414.37	56.45	357.92	237.66	120.27	1
0.36	416.75	57.30	359.46	239.00	120.45	1
0.34	419.13	58.15	360.98	240.35	120.63	1
0.32	421.51	59.01	362.49	241.69	120.80	1
0.30	423.88	59.88	364.00	243.04	120.96	1
0.27	426.25	60.76	365.49	244.37	121.12	1
0.25	428.62	61.64	366.98	245.71	121.27	1
0.23	430.99	62.53	368.45	247.04	121.41	1
0.21	433.35	63.43	369.92	248.37	121.55	1
0.19	435.71	64.33	371.37	249.70	121.68	1
0.17	438.06	65.24	372.82	251.02	121.80	1
0.15	440.42	66.16	374.26	252.34	121.92	1
0.13	442.77	67.08	375.69	253.66	122.03	1
0.10	445.12	68.01	377.10	254.97	122.13	1
0.08	447.46	68.95	378.51	256.29	122.23	1
0.06	449.80	69.89	379.92	257.59	122.32	1
0.04	452.14	70.83	381.31	258.90	122.41	1
0.02	454.48	71.79	382.69	260.20	122.49	1
0.00	456.81	72.74	384.07	261.50	122.56	1

Time = 150. Degree of Consolidation = 92.0%

Total Settlement = 8.630

Settlement at End of Primary Consolidation = 9.305

Settlement caused by Primary Consolidation at time 150. = 8.575

Settlement caused by Secondary Compression at time 150. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.62

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	4.29	1.79	6.25	1.75	1.75	1
12.96	4.27	1.79	6.25	1.75	1.75	1
12.91	4.26	1.78	6.25	1.75	1.75	1
12.87	4.24	1.78	6.25	1.75	1.75	1
12.83	4.23	1.77	6.25	1.75	1.75	1
12.79	4.21	1.76	6.25	1.75	1.75	1
12.74	4.19	1.76	6.25	1.75	1.75	1
12.70	4.18	1.75	6.25	1.75	1.75	1
12.66	4.16	1.75	6.25	1.75	1.75	1
12.61	4.14	1.74	6.25	1.75	1.75	1
12.57	4.13	1.73	6.25	1.75	1.75	1
12.53	4.11	1.73	6.25	1.75	1.75	1
12.49	4.10	1.72	6.25	1.72	1.72	1
12.44	4.08	1.72	6.25	1.72	1.71	1
12.40	4.06	1.71	6.25	1.71	1.70	1
12.36	4.05	1.70	6.25	1.70	1.68	1
12.31	4.03	1.70	6.25	1.69	1.67	1
12.27	4.02	1.69	6.25	1.68	1.65	1
12.23	4.00	1.69	6.25	1.68	1.64	1
12.19	3.98	1.68	6.25	1.67	1.62	1
12.14	3.97	1.67	6.25	1.66	1.61	1
12.10	3.95	1.67	6.25	1.66	1.59	1
12.06	3.94	1.66	6.25	1.65	1.58	1
12.01	3.92	1.66	6.25	1.65	1.57	1
11.97	3.91	1.65	6.25	1.64	1.55	1
11.93	3.89	1.65	6.25	1.64	1.54	1
11.89	3.87	1.64	6.25	1.63	1.52	1
11.84	3.86	1.63	6.25	1.63	1.51	1
11.80	3.84	1.63	6.25	1.62	1.50	1
11.76	3.83	1.62	6.25	1.62	1.49	1
11.71	3.81	1.62	6.25	1.61	1.48	1
11.67	3.80	1.61	6.25	1.61	1.48	1
11.63	3.78	1.60	6.25	1.61	1.47	1
11.59	3.77	1.60	6.25	1.60	1.46	1
11.54	3.75	1.59	6.25	1.60	1.46	1
11.50	3.74	1.59	6.25	1.60	1.45	1
11.50	3.74	1.59	6.25	1.60	1.45	1
11.37	3.69	1.57	6.25	1.59	1.43	1
11.24	3.64	1.55	6.25	1.58	1.41	1
11.11	3.60	1.53	6.25	1.57	1.39	1
10.99	3.55	1.52	6.25	1.56	1.37	1
10.86	3.51	1.50	6.25	1.55	1.35	1
10.73	3.46	1.48	6.25	1.55	1.33	1
10.60	3.42	1.46	6.25	1.54	1.31	1
10.47	3.37	1.44	6.25	1.54	1.29	1
10.34	3.33	1.43	6.25	1.53	1.27	1
10.21	3.28	1.41	6.25	1.53	1.25	1
10.09	3.24	1.39	6.25	1.52	1.23	1
9.96	3.19	1.37	6.25	1.52	1.22	1
9.83	3.15	1.36	6.25	1.51	1.21	1
9.70	3.10	1.34	6.25	1.51	1.20	1
9.57	3.06	1.32	6.25	1.50	1.19	1

9.44	3.01	1.30	B445.pso	6.25	1.50	1.18	1
9.31	2.97	1.28		6.25	1.49	1.17	1
9.19	2.93	1.27		6.25	1.49	1.16	1
9.06	2.88	1.25		6.25	1.49	1.15	1
8.93	2.84	1.23		6.25	1.48	1.14	1
8.80	2.79	1.21		6.25	1.48	1.13	1
8.67	2.75	1.20		6.25	1.47	1.12	1
8.54	2.71	1.18		6.25	1.47	1.11	1
8.41	2.66	1.16		6.25	1.46	1.10	1
8.29	2.62	1.14		6.25	1.46	1.09	1
8.16	2.58	1.13		6.25	1.45	1.08	1
8.03	2.53	1.11		6.25	1.45	1.07	1
7.90	2.49	1.09		6.25	1.45	1.07	1
7.77	2.45	1.07		6.25	1.44	1.06	1
7.64	2.40	1.05		6.25	1.44	1.05	1
7.51	2.36	1.04		6.25	1.43	1.04	1
7.39	2.32	1.02		6.25	1.43	1.03	1
7.26	2.27	1.00		6.25	1.42	1.02	1
7.13	2.23	0.98		6.25	1.42	1.01	1
7.00	2.19	0.97		6.25	1.41	1.00	1
7.00	2.19	0.97		6.25	1.41	1.00	1
6.87	2.14	0.95		6.25	1.41	0.99	1
6.74	2.10	0.93		6.25	1.40	0.98	1
6.61	2.06	0.91		6.25	1.40	0.97	1
6.49	2.02	0.89		6.25	1.40	0.96	1
6.36	1.97	0.88		6.25	1.39	0.96	1
6.23	1.93	0.86		6.25	1.39	0.95	1
6.10	1.89	0.84		6.25	1.38	0.95	1
5.97	1.85	0.82		6.25	1.38	0.95	1
5.84	1.81	0.81		6.25	1.37	0.94	1
5.71	1.76	0.79		6.25	1.37	0.94	1
5.59	1.72	0.77		6.25	1.36	0.93	1
5.46	1.68	0.75		6.25	1.36	0.93	1
5.33	1.64	0.73		6.25	1.35	0.92	1
5.20	1.60	0.72		6.25	1.35	0.92	1
5.07	1.55	0.70		6.25	1.34	0.91	1
4.94	1.51	0.68		6.25	1.34	0.91	1
4.81	1.47	0.66		6.25	1.33	0.90	1
4.69	1.43	0.65		6.25	1.33	0.90	1
4.56	1.39	0.63		6.25	1.32	0.89	1
4.43	1.35	0.61		6.25	1.31	0.89	1
4.30	1.31	0.59		6.25	1.31	0.88	1
4.17	1.27	0.58		6.25	1.30	0.88	1
4.04	1.23	0.56		6.25	1.30	0.87	1
3.91	1.18	0.54		6.25	1.29	0.87	1
3.79	1.14	0.52		6.25	1.29	0.86	1
3.66	1.10	0.50		6.25	1.28	0.86	1
3.53	1.06	0.49		6.25	1.28	0.85	1
3.40	1.02	0.47		6.25	1.27	0.85	1
3.27	0.98	0.45		6.25	1.26	0.84	1
3.14	0.94	0.43		6.25	1.26	0.84	1
3.01	0.90	0.42		6.25	1.25	0.83	1
2.89	0.86	0.40		6.25	1.24	0.83	1
2.76	0.82	0.38		6.25	1.24	0.82	1
2.63	0.78	0.36		6.25	1.23	0.82	1
2.50	0.74	0.34		6.25	1.22	0.81	1
2.50	0.74	0.34		6.25	1.22	0.81	1
2.43	0.72	0.33		6.25	1.22	0.81	1
2.36	0.70	0.33		6.25	1.22	0.81	1
2.29	0.68	0.32		6.25	1.21	0.81	1
2.21	0.66	0.31		6.25	1.21	0.80	1
2.14	0.63	0.30		6.25	1.21	0.80	1
2.07	0.61	0.29		6.25	1.20	0.80	1

B445.pso						
2.00	0.59	0.28	6.25	1.20	0.80	1
1.93	0.57	0.27	6.25	1.20	0.79	1
1.86	0.55	0.26	6.25	1.19	0.79	1
1.79	0.53	0.25	6.25	1.19	0.79	1
1.71	0.50	0.24	6.25	1.19	0.79	1
1.64	0.48	0.23	6.25	1.18	0.78	1
1.57	0.46	0.22	6.25	1.18	0.78	1
1.50	0.44	0.21	6.25	1.17	0.78	1
1.43	0.42	0.20	6.25	1.17	0.77	1
1.36	0.40	0.19	6.25	1.17	0.77	1
1.29	0.38	0.18	6.25	1.16	0.77	1
1.21	0.36	0.17	6.25	1.16	0.77	1
1.14	0.33	0.16	6.25	1.15	0.76	1
1.07	0.31	0.15	6.25	1.15	0.76	1
1.00	0.29	0.14	6.25	1.14	0.76	1
0.93	0.27	0.13	6.25	1.14	0.76	1
0.86	0.25	0.12	6.25	1.14	0.75	1
0.79	0.23	0.11	6.25	1.13	0.75	1
0.71	0.21	0.10	6.25	1.13	0.75	1
0.64	0.19	0.09	6.25	1.12	0.74	1
0.57	0.17	0.08	6.25	1.12	0.74	1
0.50	0.14	0.07	6.25	1.11	0.74	1
0.43	0.12	0.06	6.25	1.11	0.74	1
0.36	0.10	0.05	6.25	1.11	0.73	1
0.29	0.08	0.04	6.25	1.10	0.73	1
0.21	0.06	0.03	6.25	1.10	0.73	1
0.14	0.04	0.02	6.25	1.09	0.73	1
0.07	0.02	0.01	6.25	1.09	0.72	1
0.00	0.00	0.00	6.25	1.08	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.29	0.00	0.00	0.00	0.00	0.00	1
4.27	1.27	1.27	0.00	0.00	0.00	1
4.26	2.53	2.53	0.00	0.00	0.00	1
4.24	3.80	3.80	0.00	0.00	0.00	1
4.23	5.06	5.06	0.00	0.00	0.00	1
4.21	6.33	6.33	0.00	0.00	0.00	1
4.19	7.60	7.60	0.00	0.00	0.00	1
4.18	8.86	8.86	0.00	0.00	0.00	1
4.16	10.13	10.13	0.00	0.00	0.00	1
4.14	11.40	11.40	0.00	0.00	0.00	1
4.13	12.66	12.66	0.00	0.00	0.00	1
4.11	13.93	13.93	0.00	0.00	0.00	1
4.10	15.38	15.38	0.00	0.00	0.00	1
4.08	17.00	15.76	1.24	1.00	0.24	1
4.06	18.62	16.13	2.49	2.00	0.49	1
4.05	20.24	16.48	3.76	3.00	0.76	1
4.03	21.85	16.81	5.04	3.99	1.05	1
4.02	23.46	17.12	6.34	4.99	1.35	1
4.00	25.07	17.43	7.64	5.97	1.67	1
3.98	26.68	17.71	8.96	6.96	2.00	1
3.97	28.28	17.99	10.29	7.94	2.35	1
3.95	29.88	18.25	11.63	8.93	2.70	1
3.94	31.48	18.50	12.98	9.90	3.07	1
3.92	33.08	18.74	14.34	10.88	3.46	1
3.91	34.67	18.96	15.71	11.86	3.85	1
3.89	36.26	19.18	17.08	12.83	4.25	1
3.87	37.85	19.39	18.46	13.80	4.66	1
3.86	39.44	19.59	19.85	14.77	5.08	1
3.84	41.03	19.78	21.25	15.74	5.51	1

B445.pso

3.83	42.62	19.96	22.65	16.71	5.95	1
3.81	44.20	20.14	24.06	17.67	6.39	1
3.80	45.78	20.31	25.48	18.63	6.85	1
3.78	47.37	20.47	26.90	19.60	7.30	1
3.77	48.95	20.62	28.33	20.56	7.77	1
3.75	50.53	20.77	29.76	21.51	8.24	1
3.74	52.10	20.91	31.19	22.47	8.72	1
3.74	52.10	20.91	31.19	22.47	8.72	1
3.69	56.83	21.34	35.49	25.34	10.15	1
3.64	61.54	21.72	39.82	28.20	11.62	1
3.60	66.25	22.07	44.18	31.04	13.14	1
3.55	70.95	22.39	48.56	33.88	14.68	1
3.51	75.64	22.68	52.96	36.71	16.25	1
3.46	80.32	22.95	57.37	39.53	17.84	1
3.42	84.99	23.20	61.79	42.35	19.45	1
3.37	89.66	23.43	66.23	45.16	21.07	1
3.33	94.32	23.66	70.66	47.96	22.70	1
3.28	98.98	23.88	75.11	50.76	24.35	1
3.24	103.63	24.08	79.55	53.55	26.00	1
3.19	108.28	24.29	84.00	56.34	27.65	1
3.15	112.92	24.48	88.44	59.12	29.32	1
3.10	117.56	24.68	92.88	61.90	30.98	1
3.06	122.19	24.87	97.32	64.67	32.65	1
3.01	126.82	25.13	101.69	67.44	34.25	1
2.97	131.44	25.54	105.90	70.20	35.70	1
2.93	136.06	25.95	110.11	72.96	37.15	1
2.88	140.67	26.35	114.32	75.71	38.60	1
2.84	145.27	26.75	118.52	78.46	40.06	1
2.79	149.88	27.16	122.72	81.21	41.51	1
2.75	154.47	27.56	126.91	83.94	42.97	1
2.71	159.07	27.97	131.10	86.68	44.42	1
2.66	163.65	28.37	135.28	89.41	45.88	1
2.62	168.24	28.78	139.46	92.13	47.33	1
2.58	172.81	29.19	143.63	94.85	48.78	1
2.53	177.39	29.60	147.79	97.56	50.23	1
2.49	181.96	30.01	151.95	100.27	51.68	1
2.45	186.52	30.42	156.10	102.98	53.12	1
2.40	191.08	30.84	160.24	105.67	54.56	1
2.36	195.63	31.26	164.37	108.37	56.00	1
2.32	200.18	31.68	168.50	111.06	57.44	1
2.27	204.72	32.10	172.62	113.74	58.88	1
2.23	209.26	32.53	176.73	116.42	60.31	1
2.19	213.79	32.96	180.84	119.10	61.74	1
2.19	213.79	32.96	180.84	119.10	61.74	1
2.14	218.32	33.39	184.94	121.76	63.17	1
2.10	222.84	33.82	189.03	124.43	64.60	1
2.06	227.36	34.25	193.11	127.09	66.02	1
2.02	231.87	34.69	197.18	129.74	67.44	1
1.97	236.38	35.13	201.25	132.39	68.86	1
1.93	240.88	35.58	205.31	135.03	70.28	1
1.89	245.38	36.02	209.36	137.67	71.69	1
1.85	249.87	36.47	213.40	140.30	73.10	1
1.81	254.36	36.93	217.43	142.93	74.50	1
1.76	258.84	37.38	221.45	145.55	75.91	1
1.72	263.31	37.84	225.47	148.16	77.30	1
1.68	267.78	38.31	229.47	150.77	78.70	1
1.64	272.25	38.78	233.47	153.38	80.09	1
1.60	276.70	39.25	237.46	155.98	81.48	1
1.55	281.16	39.72	241.44	158.57	82.86	1
1.51	285.60	40.20	245.40	161.16	84.24	1
1.47	290.04	40.68	249.36	163.74	85.62	1
1.43	294.48	41.17	253.31	166.32	86.99	1
1.39	298.91	41.66	257.25	168.89	88.36	1

			B445.pso			
1.35	303.33	42.16	261.18	171.45	89.72	1
1.31	307.75	42.66	265.09	174.01	91.08	1
1.27	312.16	43.16	269.00	176.56	92.43	1
1.23	316.57	43.68	272.89	179.11	93.78	1
1.18	320.97	44.20	276.77	181.65	95.12	1
1.14	325.36	44.73	280.63	184.18	96.45	1
1.10	329.75	45.27	284.48	186.71	97.77	1
1.06	334.13	45.82	288.31	189.23	99.08	1
1.02	338.50	46.37	292.12	191.75	100.38	1
0.98	342.87	46.95	295.92	194.25	101.67	1
0.94	347.23	47.53	299.70	196.75	102.94	1
0.90	351.58	48.12	303.46	199.25	104.21	1
0.86	355.92	48.72	307.20	201.74	105.47	1
0.82	360.26	49.33	310.94	204.21	106.72	1
0.78	364.59	49.94	314.66	206.69	107.97	1
0.74	368.92	51.13	317.79	209.15	108.64	1
0.74	368.92	51.13	317.79	209.15	108.64	1
0.72	371.32	51.79	319.53	210.52	109.01	1
0.70	373.71	52.45	321.26	211.88	109.38	1
0.68	376.11	53.11	322.99	213.24	109.75	1
0.66	378.50	53.78	324.72	214.60	110.12	1
0.63	380.89	54.45	326.44	215.96	110.48	1
0.61	383.28	55.13	328.15	217.32	110.83	1
0.59	385.67	55.81	329.85	218.67	111.18	1
0.57	388.05	56.51	331.54	220.02	111.52	1
0.55	390.43	57.21	333.22	221.37	111.85	1
0.53	392.81	57.93	334.89	222.72	112.17	1
0.50	395.19	58.65	336.54	224.06	112.48	1
0.48	397.56	59.38	338.18	225.40	112.78	1
0.46	399.94	60.12	339.81	226.74	113.07	1
0.44	402.31	60.87	341.43	228.08	113.35	1
0.42	404.68	61.64	343.04	229.42	113.62	1
0.40	407.04	62.41	344.64	230.75	113.89	1
0.38	409.40	63.18	346.22	232.08	114.14	1
0.36	411.76	63.97	347.79	233.41	114.39	1
0.33	414.12	64.76	349.36	234.73	114.63	1
0.31	416.48	65.57	350.91	236.05	114.86	1
0.29	418.83	66.37	352.46	237.37	115.08	1
0.27	421.18	67.19	353.99	238.69	115.30	1
0.25	423.53	68.01	355.52	240.01	115.51	1
0.23	425.87	68.84	357.03	241.32	115.71	1
0.21	428.21	69.67	358.54	242.63	115.91	1
0.19	430.55	70.51	360.04	243.93	116.11	1
0.17	432.89	71.36	361.53	245.24	116.29	1
0.14	435.23	72.21	363.01	246.54	116.47	1
0.12	437.56	73.07	364.49	247.84	116.65	1
0.10	439.89	73.93	365.95	249.13	116.82	1
0.08	442.21	74.80	367.41	250.43	116.98	1
0.06	444.53	75.67	368.86	251.72	117.14	1
0.04	446.85	76.55	370.30	253.00	117.30	1
0.02	449.17	77.43	371.74	254.29	117.45	1
0.00	451.49	78.32	373.16	255.57	117.59	1

Time = 180. Degree of Consolidation = 93.0%

Total Settlement = 8.709

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 180. = 8.654

Settlement caused by Secondary Compression at time 180. = 0.000

B445.pso

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.54

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	4.23	1.79	6.25	1.75	1.75	1
12.96	4.21	1.79	6.25	1.75	1.75	1
12.91	4.20	1.78	6.25	1.75	1.75	1
12.87	4.18	1.78	6.25	1.75	1.75	1
12.83	4.16	1.77	6.25	1.75	1.75	1
12.79	4.15	1.76	6.25	1.75	1.75	1
12.74	4.13	1.76	6.25	1.75	1.75	1
12.70	4.12	1.75	6.25	1.75	1.75	1
12.66	4.10	1.75	6.25	1.75	1.75	1
12.61	4.08	1.74	6.25	1.75	1.75	1
12.57	4.07	1.73	6.25	1.75	1.75	1
12.53	4.05	1.73	6.25	1.75	1.75	1
12.49	4.03	1.72	6.25	1.72	1.72	1
12.44	4.02	1.72	6.25	1.71	1.71	1
12.40	4.00	1.71	6.25	1.70	1.70	1
12.36	3.99	1.70	6.25	1.69	1.68	1
12.31	3.97	1.70	6.25	1.68	1.67	1
12.27	3.95	1.69	6.25	1.68	1.65	1
12.23	3.94	1.69	6.25	1.67	1.64	1
12.19	3.92	1.68	6.25	1.66	1.62	1
12.14	3.91	1.67	6.25	1.65	1.61	1
12.10	3.89	1.67	6.25	1.64	1.59	1
12.06	3.88	1.66	6.25	1.64	1.58	1
12.01	3.86	1.66	6.25	1.63	1.57	1
11.97	3.84	1.65	6.25	1.62	1.55	1
11.93	3.83	1.65	6.25	1.62	1.54	1
11.89	3.81	1.64	6.25	1.61	1.52	1
11.84	3.80	1.63	6.25	1.61	1.51	1
11.80	3.78	1.63	6.25	1.60	1.50	1
11.76	3.77	1.62	6.25	1.60	1.49	1
11.71	3.75	1.62	6.25	1.59	1.48	1
11.67	3.74	1.61	6.25	1.59	1.48	1
11.63	3.72	1.60	6.25	1.58	1.47	1
11.59	3.71	1.60	6.25	1.58	1.46	1
11.54	3.69	1.59	6.25	1.57	1.46	1
11.50	3.68	1.59	6.25	1.57	1.45	1
11.50	3.68	1.59	6.25	1.57	1.45	1
11.37	3.63	1.57	6.25	1.56	1.43	1
11.24	3.59	1.55	6.25	1.54	1.41	1
11.11	3.54	1.53	6.25	1.53	1.39	1
10.99	3.50	1.52	6.25	1.53	1.37	1
10.86	3.45	1.50	6.25	1.52	1.35	1
10.73	3.41	1.48	6.25	1.51	1.33	1
10.60	3.36	1.46	6.25	1.50	1.31	1
10.47	3.32	1.44	6.25	1.50	1.29	1
10.34	3.27	1.43	6.25	1.49	1.27	1
10.21	3.23	1.41	6.25	1.48	1.25	1
10.09	3.19	1.39	6.25	1.48	1.23	1
9.96	3.14	1.37	6.25	1.47	1.22	1

9.83	3.10	1.36	B445.pso	6.25	1.47	1.21	1
9.70	3.05	1.34		6.25	1.46	1.20	1
9.57	3.01	1.32		6.25	1.46	1.19	1
9.44	2.97	1.30		6.25	1.45	1.18	1
9.31	2.92	1.28		6.25	1.45	1.17	1
9.19	2.88	1.27		6.25	1.44	1.16	1
9.06	2.84	1.25		6.25	1.44	1.15	1
8.93	2.79	1.23		6.25	1.44	1.14	1
8.80	2.75	1.21		6.25	1.43	1.13	1
8.67	2.71	1.20		6.25	1.43	1.12	1
8.54	2.66	1.18		6.25	1.42	1.11	1
8.41	2.62	1.16		6.25	1.42	1.10	1
8.29	2.58	1.14		6.25	1.41	1.09	1
8.16	2.54	1.13		6.25	1.41	1.08	1
8.03	2.49	1.11		6.25	1.41	1.07	1
7.90	2.45	1.09		6.25	1.40	1.07	1
7.77	2.41	1.07		6.25	1.40	1.06	1
7.64	2.37	1.05		6.25	1.39	1.05	1
7.51	2.32	1.04		6.25	1.39	1.04	1
7.39	2.28	1.02		6.25	1.38	1.03	1
7.26	2.24	1.00		6.25	1.38	1.02	1
7.13	2.20	0.98		6.25	1.38	1.01	1
7.00	2.15	0.97		6.25	1.37	1.00	1
7.00	2.15	0.97		6.25	1.37	1.00	1
6.87	2.11	0.95		6.25	1.37	0.99	1
6.74	2.07	0.93		6.25	1.36	0.98	1
6.61	2.03	0.91		6.25	1.36	0.97	1
6.49	1.99	0.89		6.25	1.35	0.96	1
6.36	1.94	0.88		6.25	1.35	0.96	1
6.23	1.90	0.86		6.25	1.34	0.95	1
6.10	1.86	0.84		6.25	1.34	0.95	1
5.97	1.82	0.82		6.25	1.34	0.95	1
5.84	1.78	0.81		6.25	1.33	0.94	1
5.71	1.74	0.79		6.25	1.33	0.94	1
5.59	1.70	0.77		6.25	1.32	0.93	1
5.46	1.66	0.75		6.25	1.32	0.93	1
5.33	1.61	0.73		6.25	1.31	0.92	1
5.20	1.57	0.72		6.25	1.31	0.92	1
5.07	1.53	0.70		6.25	1.30	0.91	1
4.94	1.49	0.68		6.25	1.30	0.91	1
4.81	1.45	0.66		6.25	1.29	0.90	1
4.69	1.41	0.65		6.25	1.29	0.90	1
4.56	1.37	0.63		6.25	1.28	0.89	1
4.43	1.33	0.61		6.25	1.28	0.89	1
4.30	1.29	0.59		6.25	1.27	0.88	1
4.17	1.25	0.58		6.25	1.27	0.88	1
4.04	1.21	0.56		6.25	1.26	0.87	1
3.91	1.17	0.54		6.25	1.26	0.87	1
3.79	1.13	0.52		6.25	1.25	0.86	1
3.66	1.09	0.50		6.25	1.25	0.86	1
3.53	1.05	0.49		6.25	1.24	0.85	1
3.40	1.01	0.47		6.25	1.24	0.85	1
3.27	0.97	0.45		6.25	1.23	0.84	1
3.14	0.93	0.43		6.25	1.22	0.84	1
3.01	0.89	0.42		6.25	1.22	0.83	1
2.89	0.85	0.40		6.25	1.21	0.83	1
2.76	0.81	0.38		6.25	1.21	0.82	1
2.63	0.77	0.36		6.25	1.20	0.82	1
2.50	0.73	0.34		6.25	1.19	0.81	1
2.50	0.73	0.34		6.25	1.19	0.81	1
2.43	0.71	0.33		6.25	1.19	0.81	1
2.36	0.69	0.33		6.25	1.19	0.81	1
2.29	0.67	0.32		6.25	1.18	0.81	1

			B445.pso			
2.21	0.65	0.31	6.25	1.18	0.80	1
2.14	0.63	0.30	6.25	1.18	0.80	1
2.07	0.60	0.29	6.25	1.17	0.80	1
2.00	0.58	0.28	6.25	1.17	0.80	1
1.93	0.56	0.27	6.25	1.17	0.79	1
1.86	0.54	0.26	6.25	1.16	0.79	1
1.79	0.52	0.25	6.25	1.16	0.79	1
1.71	0.50	0.24	6.25	1.15	0.79	1
1.64	0.48	0.23	6.25	1.15	0.78	1
1.57	0.46	0.22	6.25	1.15	0.78	1
1.50	0.43	0.21	6.25	1.14	0.78	1
1.43	0.41	0.20	6.25	1.14	0.77	1
1.36	0.39	0.19	6.25	1.14	0.77	1
1.29	0.37	0.18	6.25	1.13	0.77	1
1.21	0.35	0.17	6.25	1.13	0.77	1
1.14	0.33	0.16	6.25	1.12	0.76	1
1.07	0.31	0.15	6.25	1.12	0.76	1
1.00	0.29	0.14	6.25	1.12	0.76	1
0.93	0.27	0.13	6.25	1.11	0.76	1
0.86	0.25	0.12	6.25	1.11	0.75	1
0.79	0.23	0.11	6.25	1.10	0.75	1
0.71	0.20	0.10	6.25	1.10	0.75	1
0.64	0.18	0.09	6.25	1.10	0.74	1
0.57	0.16	0.08	6.25	1.09	0.74	1
0.50	0.14	0.07	6.25	1.09	0.74	1
0.43	0.12	0.06	6.25	1.08	0.74	1
0.36	0.10	0.05	6.25	1.08	0.73	1
0.29	0.08	0.04	6.25	1.07	0.73	1
0.21	0.06	0.03	6.25	1.07	0.73	1
0.14	0.04	0.02	6.25	1.07	0.73	1
0.07	0.02	0.01	6.25	1.06	0.72	1
0.00	0.00	0.00	6.25	1.06	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.23	0.00	0.00	0.00	0.00	0.00	1
4.21	1.27	1.27	0.00	0.00	0.00	1
4.20	2.53	2.53	0.00	0.00	0.00	1
4.18	3.80	3.80	0.00	0.00	0.00	1
4.16	5.06	5.06	0.00	0.00	0.00	1
4.15	6.33	6.33	0.00	0.00	0.00	1
4.13	7.60	7.60	0.00	0.00	0.00	1
4.12	8.86	8.86	0.00	0.00	0.00	1
4.10	10.13	10.13	0.00	0.00	0.00	1
4.08	11.40	11.40	0.00	0.00	0.00	1
4.07	12.66	12.66	0.00	0.00	0.00	1
4.05	13.93	13.93	0.00	0.00	0.00	1
4.03	15.38	15.38	0.00	0.00	0.00	1
4.02	17.00	15.84	1.16	1.00	0.16	1
4.00	18.62	16.27	2.35	2.00	0.34	1
3.99	20.23	16.69	3.54	3.00	0.55	1
3.97	21.85	17.09	4.76	3.99	0.77	1
3.95	23.45	17.47	5.99	4.98	1.01	1
3.94	25.06	17.83	7.23	5.96	1.26	1
3.92	26.66	18.18	8.48	6.95	1.54	1
3.91	28.26	18.51	9.75	7.93	1.82	1
3.89	29.86	18.83	11.03	8.90	2.13	1
3.88	31.45	19.13	12.32	9.88	2.44	1
3.86	33.04	19.42	13.62	10.85	2.77	1
3.84	34.63	19.70	14.93	11.82	3.11	1
3.83	36.22	19.96	16.25	12.78	3.47	1

B445.pso

3.81	37.80	20.22	17.58	13.75	3.83	1
3.80	39.38	20.46	18.92	14.71	4.21	1
3.78	40.96	20.70	20.27	15.67	4.60	1
3.77	42.54	20.92	21.62	16.63	4.99	1
3.75	44.12	21.14	22.98	17.58	5.39	1
3.74	45.69	21.34	24.35	18.54	5.81	1
3.72	47.26	21.54	25.72	19.49	6.23	1
3.71	48.83	21.73	27.10	20.44	6.66	1
3.69	50.40	21.92	28.49	21.39	7.09	1
3.68	51.97	22.09	29.88	22.34	7.54	1
3.68	51.97	22.09	29.88	22.34	7.54	1
3.63	56.66	22.62	34.04	25.17	8.87	1
3.59	61.34	23.10	38.25	28.00	10.25	1
3.54	66.01	23.53	42.49	30.81	11.68	1
3.50	70.67	23.92	46.75	33.61	13.15	1
3.45	75.32	24.27	51.05	36.40	14.65	1
3.41	79.96	24.60	55.36	39.18	16.18	1
3.36	84.59	24.91	59.68	41.95	17.73	1
3.32	89.22	25.43	63.79	44.71	19.08	1
3.27	93.83	26.00	67.83	47.47	20.36	1
3.23	98.44	26.55	71.90	50.22	21.67	1
3.19	103.05	27.06	75.98	52.97	23.02	1
3.14	107.65	27.56	80.09	55.71	24.38	1
3.10	112.24	28.03	84.21	58.44	25.77	1
3.05	116.83	28.48	88.34	61.17	27.17	1
3.01	121.41	28.93	92.48	63.89	28.59	1
2.97	125.98	29.36	96.63	66.61	30.02	1
2.92	130.55	29.78	100.78	69.32	31.46	1
2.88	135.12	30.19	104.93	72.03	32.90	1
2.84	139.68	30.60	109.08	74.73	34.35	1
2.79	144.24	31.00	113.24	77.43	35.81	1
2.75	148.79	31.40	117.39	80.12	37.27	1
2.71	153.34	31.80	121.54	82.81	38.73	1
2.66	157.88	32.19	125.69	85.49	40.20	1
2.62	162.41	32.58	129.83	88.17	41.67	1
2.58	166.95	32.97	133.97	90.84	43.13	1
2.54	171.48	33.37	138.11	93.51	44.60	1
2.49	176.00	33.76	142.24	96.17	46.07	1
2.45	180.52	34.15	146.37	98.83	47.54	1
2.41	185.03	34.54	150.49	101.49	49.00	1
2.37	189.54	34.94	154.60	104.14	50.47	1
2.32	194.04	35.33	158.71	106.78	51.93	1
2.28	198.54	35.73	162.82	109.42	53.39	1
2.24	203.04	36.12	166.91	112.06	54.86	1
2.20	207.53	36.52	171.01	114.69	56.31	1
2.15	212.02	36.93	175.09	117.32	57.77	1
2.15	212.02	36.93	175.09	117.32	57.77	1
2.11	216.50	37.33	179.17	119.94	59.23	1
2.07	220.97	37.73	183.24	122.56	60.68	1
2.03	225.44	38.14	187.30	125.17	62.14	1
1.99	229.91	38.55	191.36	127.77	63.59	1
1.94	234.37	38.96	195.41	130.38	65.03	1
1.90	238.83	39.38	199.45	132.97	66.48	1
1.86	243.28	39.79	203.48	135.57	67.92	1
1.82	247.72	40.21	207.51	138.15	69.36	1
1.78	252.17	40.64	211.53	140.74	70.79	1
1.74	256.60	41.07	215.54	143.31	72.22	1
1.70	261.03	41.50	219.54	145.88	73.65	1
1.66	265.46	41.93	223.53	148.45	75.08	1
1.61	269.88	42.37	227.51	151.01	76.50	1
1.57	274.29	42.81	231.48	153.57	77.92	1
1.53	278.70	43.26	235.45	156.12	79.33	1
1.49	283.11	43.70	239.40	158.67	80.74	1

			B445.pso			
1.45	287.51	44.16	243.35	161.21	82.14	1
1.41	291.90	44.62	247.29	163.74	83.55	1
1.37	296.29	45.08	251.21	166.27	84.94	1
1.33	300.67	45.55	255.13	168.79	86.33	1
1.29	305.05	46.02	259.03	171.31	87.72	1
1.25	309.42	46.50	262.93	173.82	89.10	1
1.21	313.79	46.98	266.81	176.33	90.48	1
1.17	318.15	47.47	270.68	178.83	91.85	1
1.13	322.50	47.96	274.54	181.33	93.21	1
1.09	326.85	48.46	278.39	183.82	94.57	1
1.05	331.19	48.97	282.22	186.30	95.92	1
1.01	335.53	49.49	286.04	188.78	97.26	1
0.97	339.86	50.02	289.83	191.25	98.59	1
0.93	344.18	51.13	293.05	193.71	99.34	1
0.89	348.50	52.25	296.24	196.17	100.08	1
0.85	352.81	53.40	299.41	198.62	100.79	1
0.81	357.11	54.56	302.56	201.07	101.49	1
0.77	361.41	55.73	305.68	203.50	102.17	1
0.73	365.70	56.93	308.77	205.93	102.84	1
0.73	365.70	56.93	308.77	205.93	102.84	1
0.71	368.08	57.59	310.49	207.28	103.21	1
0.69	370.46	58.26	312.20	208.63	103.57	1
0.67	372.84	58.94	313.90	209.97	103.93	1
0.65	375.21	59.62	315.60	211.31	104.28	1
0.63	377.58	60.30	317.28	212.65	104.63	1
0.60	379.95	60.99	318.96	213.99	104.97	1
0.58	382.32	61.69	320.63	215.32	105.31	1
0.56	384.69	62.39	322.30	216.66	105.64	1
0.54	387.05	63.09	323.95	217.99	105.97	1
0.52	389.41	63.80	325.60	219.31	106.29	1
0.50	391.77	64.52	327.25	220.64	106.61	1
0.48	394.12	65.24	328.88	221.96	106.92	1
0.46	396.48	65.97	330.51	223.28	107.22	1
0.43	398.83	66.70	332.13	224.60	107.52	1
0.41	401.18	67.44	333.74	225.92	107.82	1
0.39	403.53	68.18	335.35	227.23	108.11	1
0.37	405.87	68.93	336.94	228.55	108.40	1
0.35	408.21	69.68	338.53	229.85	108.68	1
0.33	410.55	70.44	340.12	231.16	108.95	1
0.31	412.89	71.20	341.69	232.47	109.23	1
0.29	415.22	71.96	343.26	233.77	109.49	1
0.27	417.56	72.74	344.82	235.07	109.75	1
0.25	419.89	73.51	346.37	236.36	110.01	1
0.23	422.21	74.29	347.92	237.66	110.26	1
0.20	424.54	75.08	349.46	238.95	110.51	1
0.18	426.86	75.87	350.99	240.24	110.75	1
0.16	429.18	76.67	352.51	241.53	110.99	1
0.14	431.50	77.47	354.03	242.81	111.22	1
0.12	433.81	78.27	355.54	244.09	111.44	1
0.10	436.12	79.09	357.04	245.37	111.67	1
0.08	438.43	79.90	358.53	246.65	111.88	1
0.06	440.74	80.72	360.02	247.92	112.09	1
0.04	443.04	81.55	361.50	249.20	112.30	1
0.02	445.35	82.38	362.97	250.46	112.50	1
0.00	447.65	83.21	364.43	251.73	112.70	1

Time = 210. Degree of Consolidation = 94.%

Total Settlement = 8.771

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 210. = 8.715

B445.pso

Settlement caused by Secondary Compression at time 210. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.48

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
13.00	4.18	1.79	6.25	1.75	1.75	1
12.96	4.16	1.79	6.25	1.75	1.75	1
12.91	4.15	1.78	6.25	1.75	1.75	1
12.87	4.13	1.78	6.25	1.75	1.75	1
12.83	4.11	1.77	6.25	1.75	1.75	1
12.79	4.10	1.76	6.25	1.75	1.75	1
12.74	4.08	1.76	6.25	1.75	1.75	1
12.70	4.06	1.75	6.25	1.75	1.75	1
12.66	4.05	1.75	6.25	1.75	1.75	1
12.61	4.03	1.74	6.25	1.75	1.75	1
12.57	4.02	1.73	6.25	1.75	1.75	1
12.53	4.00	1.73	6.25	1.75	1.75	1
12.49	3.98	1.72	6.25	1.72	1.72	1
12.44	3.97	1.72	6.25	1.71	1.71	1
12.40	3.95	1.71	6.25	1.70	1.70	1
12.36	3.94	1.70	6.25	1.69	1.68	1
12.31	3.92	1.70	6.25	1.68	1.67	1
12.27	3.90	1.69	6.25	1.67	1.65	1
12.23	3.89	1.69	6.25	1.66	1.64	1
12.19	3.87	1.68	6.25	1.65	1.62	1
12.14	3.86	1.67	6.25	1.64	1.61	1
12.10	3.84	1.67	6.25	1.63	1.59	1
12.06	3.83	1.66	6.25	1.63	1.58	1
12.01	3.81	1.66	6.25	1.62	1.57	1
11.97	3.79	1.65	6.25	1.61	1.55	1
11.93	3.78	1.65	6.25	1.60	1.54	1
11.89	3.76	1.64	6.25	1.60	1.52	1
11.84	3.75	1.63	6.25	1.59	1.51	1
11.80	3.73	1.63	6.25	1.58	1.50	1
11.76	3.72	1.62	6.25	1.58	1.49	1
11.71	3.70	1.62	6.25	1.57	1.48	1
11.67	3.69	1.61	6.25	1.57	1.48	1
11.63	3.67	1.60	6.25	1.56	1.47	1
11.59	3.66	1.60	6.25	1.56	1.46	1
11.54	3.64	1.59	6.25	1.55	1.46	1
11.50	3.63	1.59	6.25	1.55	1.45	1
11.50	3.63	1.59	6.25	1.55	1.45	1
11.37	3.58	1.57	6.25	1.53	1.43	1
11.24	3.54	1.55	6.25	1.52	1.41	1
11.11	3.49	1.53	6.25	1.51	1.39	1
10.99	3.45	1.52	6.25	1.50	1.37	1
10.86	3.40	1.50	6.25	1.49	1.35	1
10.73	3.36	1.48	6.25	1.48	1.33	1
10.60	3.32	1.46	6.25	1.47	1.31	1
10.47	3.27	1.44	6.25	1.46	1.29	1
10.34	3.23	1.43	6.25	1.45	1.27	1

10.21	3.19	1.41	B445.pso	1.45	1.25	1
10.09	3.14	1.39	6.25	1.44	1.23	1
9.96	3.10	1.37	6.25	1.44	1.22	1
9.83	3.06	1.36	6.25	1.43	1.21	1
9.70	3.01	1.34	6.25	1.43	1.20	1
9.57	2.97	1.32	6.25	1.42	1.19	1
9.44	2.93	1.30	6.25	1.42	1.18	1
9.31	2.88	1.28	6.25	1.41	1.17	1
9.19	2.84	1.27	6.25	1.41	1.16	1
9.06	2.80	1.25	6.25	1.40	1.15	1
8.93	2.76	1.23	6.25	1.40	1.14	1
8.80	2.71	1.21	6.25	1.39	1.13	1
8.67	2.67	1.20	6.25	1.39	1.12	1
8.54	2.63	1.18	6.25	1.39	1.11	1
8.41	2.59	1.16	6.25	1.38	1.10	1
8.29	2.54	1.14	6.25	1.38	1.09	1
8.16	2.50	1.13	6.25	1.37	1.08	1
8.03	2.46	1.11	6.25	1.37	1.07	1
7.90	2.42	1.09	6.25	1.36	1.07	1
7.77	2.38	1.07	6.25	1.36	1.06	1
7.64	2.33	1.05	6.25	1.36	1.05	1
7.51	2.29	1.04	6.25	1.35	1.04	1
7.39	2.25	1.02	6.25	1.35	1.03	1
7.26	2.21	1.00	6.25	1.34	1.02	1
7.13	2.17	0.98	6.25	1.34	1.01	1
7.00	2.13	0.97	6.25	1.34	1.00	1
7.00	2.13	0.97	6.25	1.34	1.00	1
6.87	2.08	0.95	6.25	1.33	0.99	1
6.74	2.04	0.93	6.25	1.33	0.98	1
6.61	2.00	0.91	6.25	1.32	0.97	1
6.49	1.96	0.89	6.25	1.32	0.96	1
6.36	1.92	0.88	6.25	1.32	0.96	1
6.23	1.88	0.86	6.25	1.31	0.95	1
6.10	1.84	0.84	6.25	1.31	0.95	1
5.97	1.80	0.82	6.25	1.30	0.95	1
5.84	1.76	0.81	6.25	1.30	0.94	1
5.71	1.72	0.79	6.25	1.29	0.94	1
5.59	1.67	0.77	6.25	1.29	0.93	1
5.46	1.63	0.75	6.25	1.29	0.93	1
5.33	1.59	0.73	6.25	1.28	0.92	1
5.20	1.55	0.72	6.25	1.28	0.92	1
5.07	1.51	0.70	6.25	1.27	0.91	1
4.94	1.47	0.68	6.25	1.27	0.91	1
4.81	1.43	0.66	6.25	1.26	0.90	1
4.69	1.39	0.65	6.25	1.26	0.90	1
4.56	1.35	0.63	6.25	1.25	0.89	1
4.43	1.31	0.61	6.25	1.25	0.89	1
4.30	1.27	0.59	6.25	1.24	0.88	1
4.17	1.23	0.58	6.25	1.24	0.88	1
4.04	1.19	0.56	6.25	1.23	0.87	1
3.91	1.15	0.54	6.25	1.23	0.87	1
3.79	1.11	0.52	6.25	1.22	0.86	1
3.66	1.08	0.50	6.25	1.22	0.86	1
3.53	1.04	0.49	6.25	1.21	0.85	1
3.40	1.00	0.47	6.25	1.21	0.85	1
3.27	0.96	0.45	6.25	1.20	0.84	1
3.14	0.92	0.43	6.25	1.20	0.84	1
3.01	0.88	0.42	6.25	1.19	0.83	1
2.89	0.84	0.40	6.25	1.18	0.83	1
2.76	0.80	0.38	6.25	1.18	0.82	1
2.63	0.76	0.36	6.25	1.17	0.82	1
2.50	0.73	0.34	6.25	1.17	0.81	1
2.50	0.73	0.34	6.25	1.17	0.81	1

			B445.pso			
2.43	0.70	0.33	6.25	1.16	0.81	1
2.36	0.68	0.33	6.25	1.16	0.81	1
2.29	0.66	0.32	6.25	1.16	0.81	1
2.21	0.64	0.31	6.25	1.15	0.80	1
2.14	0.62	0.30	6.25	1.15	0.80	1
2.07	0.60	0.29	6.25	1.15	0.80	1
2.00	0.58	0.28	6.25	1.14	0.80	1
1.93	0.56	0.27	6.25	1.14	0.79	1
1.86	0.53	0.26	6.25	1.14	0.79	1
1.79	0.51	0.25	6.25	1.13	0.79	1
1.71	0.49	0.24	6.25	1.13	0.79	1
1.64	0.47	0.23	6.25	1.12	0.78	1
1.57	0.45	0.22	6.25	1.12	0.78	1
1.50	0.43	0.21	6.25	1.12	0.78	1
1.43	0.41	0.20	6.25	1.11	0.77	1
1.36	0.39	0.19	6.25	1.11	0.77	1
1.29	0.37	0.18	6.25	1.11	0.77	1
1.21	0.35	0.17	6.25	1.10	0.77	1
1.14	0.33	0.16	6.25	1.10	0.76	1
1.07	0.31	0.15	6.25	1.09	0.76	1
1.00	0.28	0.14	6.25	1.09	0.76	1
0.93	0.26	0.13	6.25	1.09	0.76	1
0.86	0.24	0.12	6.25	1.08	0.75	1
0.79	0.22	0.11	6.25	1.08	0.75	1
0.71	0.20	0.10	6.25	1.08	0.75	1
0.64	0.18	0.09	6.25	1.07	0.74	1
0.57	0.16	0.08	6.25	1.07	0.74	1
0.50	0.14	0.07	6.25	1.06	0.74	1
0.43	0.12	0.06	6.25	1.06	0.74	1
0.36	0.10	0.05	6.25	1.06	0.73	1
0.29	0.08	0.04	6.25	1.05	0.73	1
0.21	0.06	0.03	6.25	1.05	0.73	1
0.14	0.04	0.02	6.25	1.04	0.73	1
0.07	0.02	0.01	6.25	1.04	0.72	1
0.00	0.00	0.00	6.25	1.04	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.18	0.00	0.00	0.00	0.00	0.00	1
4.16	1.27	1.27	0.00	0.00	0.00	1
4.15	2.53	2.53	0.00	0.00	0.00	1
4.13	3.80	3.80	0.00	0.00	0.00	1
4.11	5.06	5.06	0.00	0.00	0.00	1
4.10	6.33	6.33	0.00	0.00	0.00	1
4.08	7.60	7.60	0.00	0.00	0.00	1
4.06	8.86	8.86	0.00	0.00	0.00	1
4.05	10.13	10.13	0.00	0.00	0.00	1
4.03	11.40	11.40	0.00	0.00	0.00	1
4.02	12.66	12.66	0.00	0.00	0.00	1
4.00	13.93	13.93	0.00	0.00	0.00	1
3.98	15.38	15.38	0.00	0.00	0.00	1
3.97	17.00	15.89	1.11	1.00	0.11	1
3.95	18.62	16.38	2.24	2.00	0.24	1
3.94	20.23	16.85	3.38	3.00	0.39	1
3.92	21.84	17.30	4.54	3.99	0.56	1
3.90	23.45	17.73	5.72	4.97	0.75	1
3.89	25.05	18.14	6.91	5.96	0.96	1
3.87	26.65	18.53	8.12	6.94	1.19	1
3.86	28.25	18.91	9.34	7.91	1.43	1
3.84	29.84	19.27	10.57	8.88	1.69	1
3.83	31.43	19.61	11.82	9.85	1.96	1

3.81	33.02	19.94	B445.pso	10.82	2.25	1
3.79	34.60	20.26	13.07	11.79	2.55	1
3.78	36.18	20.56	14.34	12.75	2.87	1
3.76	37.76	20.86	15.62	13.71	3.20	1
3.75	39.34	21.14	16.90	14.66	3.54	1
3.73	40.91	21.41	18.20	15.62	3.89	1
3.72	42.48	21.67	19.50	16.57	4.25	1
3.70	44.05	21.91	20.82	17.52	4.62	1
3.69	45.62	22.15	22.14	18.47	5.00	1
3.67	47.18	22.38	23.46	19.41	5.39	1
3.66	48.75	22.61	24.80	20.36	5.78	1
3.64	50.31	22.82	26.14	21.30	6.19	1
3.63	51.87	23.03	27.49	22.24	6.60	1
3.63	51.87	23.03	28.84	22.24	6.60	1
3.58	56.54	23.64	28.84	25.05	7.85	1
3.54	61.19	24.20	32.89	27.84	9.15	1
3.49	65.83	24.71	36.99	30.62	10.50	1
3.45	70.46	25.36	41.12	33.39	11.71	1
3.40	75.07	26.26	45.10	36.15	12.66	1
3.36	79.68	27.08	48.81	38.89	13.70	1
3.32	84.27	27.83	52.59	41.63	14.81	1
3.27	88.86	28.53	56.44	44.36	15.98	1
3.23	93.44	29.17	60.33	47.08	17.19	1
3.19	98.01	29.77	64.27	49.79	18.45	1
3.14	102.58	30.33	68.24	52.50	19.75	1
3.10	107.14	30.86	72.25	55.20	21.07	1
3.06	111.69	31.37	76.27	57.89	22.43	1
3.01	116.24	31.85	80.32	60.58	23.80	1
2.97	120.78	32.32	84.38	63.26	25.20	1
2.93	125.31	32.76	88.46	65.94	26.61	1
2.88	129.84	33.20	92.55	68.61	28.04	1
2.84	134.37	33.62	96.64	71.27	29.47	1
2.80	138.89	34.03	100.75	73.94	30.92	1
2.76	143.40	34.44	104.85	76.59	32.37	1
2.71	147.91	34.84	108.96	79.24	33.83	1
2.67	152.42	35.23	113.08	81.89	35.30	1
2.63	156.92	35.62	117.19	84.53	36.77	1
2.59	161.42	36.00	121.30	87.17	38.25	1
2.54	165.91	36.38	125.42	89.80	39.72	1
2.50	170.40	36.76	129.53	92.43	41.20	1
2.46	174.88	37.14	133.63	95.05	42.68	1
2.42	179.36	37.52	137.74	97.67	44.17	1
2.38	183.83	37.89	141.84	100.29	45.65	1
2.33	188.30	38.27	145.94	102.90	47.13	1
2.29	192.76	38.65	150.03	105.50	48.62	1
2.25	197.22	39.02	154.12	108.10	50.10	1
2.21	201.68	39.40	158.20	110.70	51.58	1
2.17	206.13	39.78	162.28	113.29	53.06	1
2.13	210.58	40.16	166.35	115.88	54.54	1
2.13	210.58	40.16	170.42	115.88	54.54	1
2.08	215.02	40.54	174.48	118.46	56.02	1
2.04	219.46	40.92	178.53	121.04	57.49	1
2.00	223.89	41.31	182.58	123.62	58.97	1
1.96	228.32	41.69	186.62	126.18	60.44	1
1.92	232.74	42.08	190.66	128.75	61.91	1
1.88	237.16	42.48	194.69	131.31	63.38	1
1.84	241.58	42.87	198.71	133.86	64.84	1
1.80	245.99	43.27	202.72	136.42	66.30	1
1.76	250.39	43.67	206.72	138.96	67.76	1
1.72	254.79	44.07	210.72	141.50	69.22	1
1.67	259.19	44.48	214.71	144.04	70.67	1
1.63	263.58	44.89	218.69	146.57	72.12	1
1.59	267.96	45.30	222.66	149.10	73.56	1

			B445.pso			
1.55	272.34	45.72	226.62	151.62	75.00	1
1.51	276.72	46.15	230.57	154.13	76.44	1
1.47	281.09	46.57	234.51	156.64	77.87	1
1.43	285.45	47.01	238.45	159.15	79.30	1
1.39	289.81	47.44	242.37	161.65	80.72	1
1.35	294.17	47.89	246.28	164.15	82.13	1
1.31	298.52	48.34	250.18	166.64	83.54	1
1.27	302.86	48.79	254.07	169.12	84.95	1
1.23	307.20	49.25	257.95	171.60	86.35	1
1.19	311.53	49.72	261.81	174.08	87.74	1
1.15	315.86	50.40	265.46	176.54	88.91	1
1.11	320.18	51.40	268.78	179.01	89.77	1
1.08	324.50	52.42	272.07	181.46	90.61	1
1.04	328.81	53.46	275.35	183.91	91.44	1
1.00	333.11	54.51	278.60	186.36	92.24	1
0.96	337.41	55.58	281.83	188.80	93.04	1
0.92	341.70	56.66	285.04	191.23	93.81	1
0.88	345.99	57.76	288.23	193.66	94.57	1
0.84	350.27	58.87	291.40	196.08	95.32	1
0.80	354.54	60.00	294.54	198.49	96.05	1
0.76	358.80	61.14	297.66	200.90	96.77	1
0.73	363.06	62.30	300.76	203.30	97.47	1
0.73	363.06	62.30	300.76	203.30	97.47	1
0.70	365.43	62.94	302.48	204.63	97.86	1
0.68	367.79	63.59	304.20	205.96	98.24	1
0.66	370.15	64.24	305.90	207.28	98.62	1
0.64	372.50	64.90	307.60	208.61	99.00	1
0.62	374.86	65.56	309.30	209.93	99.37	1
0.60	377.21	66.23	310.98	211.25	99.73	1
0.58	379.56	66.90	312.66	212.57	100.10	1
0.56	381.91	67.57	314.34	213.88	100.45	1
0.53	384.26	68.25	316.00	215.20	100.81	1
0.51	386.60	68.94	317.66	216.51	101.16	1
0.49	388.95	69.63	319.32	217.82	101.50	1
0.47	391.29	70.32	320.97	219.12	101.84	1
0.45	393.62	71.02	322.61	220.43	102.18	1
0.43	395.96	71.72	324.24	221.73	102.51	1
0.41	398.29	72.42	325.87	223.03	102.83	1
0.39	400.62	73.14	327.49	224.33	103.16	1
0.37	402.95	73.85	329.10	225.63	103.47	1
0.35	405.28	74.57	330.71	226.92	103.79	1
0.33	407.60	75.29	332.31	228.21	104.10	1
0.31	409.92	76.02	333.90	229.50	104.40	1
0.28	412.24	76.75	335.49	230.79	104.70	1
0.26	414.56	77.49	337.07	232.07	105.00	1
0.24	416.87	78.23	338.64	233.35	105.29	1
0.22	419.19	78.98	340.21	234.63	105.58	1
0.20	421.50	79.73	341.77	235.91	105.86	1
0.18	423.80	80.48	343.32	237.18	106.14	1
0.16	426.11	81.24	344.87	238.46	106.41	1
0.14	428.41	82.00	346.41	239.73	106.68	1
0.12	430.71	82.77	347.94	240.99	106.95	1
0.10	433.01	83.54	349.47	242.26	107.21	1
0.08	435.31	84.32	350.99	243.52	107.47	1
0.06	437.60	85.10	352.50	244.78	107.72	1
0.04	439.89	85.89	354.00	246.04	107.96	1
0.02	442.18	86.67	355.50	247.29	108.21	1
0.00	444.46	87.47	356.99	248.55	108.45	1

Time = 240. Degree of Consolidation = 94.%

Total Settlement = 8.822

B445.pso

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 240. = 8.766

Settlement caused by Secondary Compression at time 240. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
13.00	4.14	1.79	6.25	1.75	1.75	1
12.96	4.12	1.79	6.25	1.75	1.75	1
12.91	4.10	1.78	6.25	1.75	1.75	1
12.87	4.09	1.78	6.25	1.75	1.75	1
12.83	4.07	1.77	6.25	1.75	1.75	1
12.79	4.05	1.76	6.25	1.75	1.75	1
12.74	4.04	1.76	6.25	1.75	1.75	1
12.70	4.02	1.75	6.25	1.75	1.75	1
12.66	4.00	1.75	6.25	1.75	1.75	1
12.61	3.99	1.74	6.25	1.75	1.75	1
12.57	3.97	1.73	6.25	1.75	1.75	1
12.53	3.96	1.73	6.25	1.75	1.75	1
12.49	3.94	1.72	6.25	1.72	1.72	1
12.44	3.92	1.72	6.25	1.71	1.71	1
12.40	3.91	1.71	6.25	1.70	1.70	1
12.36	3.89	1.70	6.25	1.69	1.68	1
12.31	3.88	1.70	6.25	1.68	1.67	1
12.27	3.86	1.69	6.25	1.67	1.65	1
12.23	3.84	1.69	6.25	1.65	1.64	1
12.19	3.83	1.68	6.25	1.64	1.62	1
12.14	3.81	1.67	6.25	1.64	1.61	1
12.10	3.80	1.67	6.25	1.63	1.59	1
12.06	3.78	1.66	6.25	1.62	1.58	1
12.01	3.77	1.66	6.25	1.61	1.57	1
11.97	3.75	1.65	6.25	1.60	1.55	1
11.93	3.74	1.65	6.25	1.59	1.54	1
11.89	3.72	1.64	6.25	1.58	1.52	1
11.84	3.71	1.63	6.25	1.58	1.51	1
11.80	3.69	1.63	6.25	1.57	1.50	1
11.76	3.68	1.62	6.25	1.56	1.49	1
11.71	3.66	1.62	6.25	1.56	1.48	1
11.67	3.65	1.61	6.25	1.55	1.48	1
11.63	3.63	1.60	6.25	1.55	1.47	1
11.59	3.61	1.60	6.25	1.54	1.46	1
11.54	3.60	1.59	6.25	1.53	1.46	1
11.50	3.58	1.59	6.25	1.53	1.45	1
11.50	3.58	1.59	6.25	1.53	1.45	1
11.37	3.54	1.57	6.25	1.51	1.43	1
11.24	3.50	1.55	6.25	1.50	1.41	1
11.11	3.45	1.53	6.25	1.48	1.39	1
10.99	3.41	1.52	6.25	1.47	1.37	1
10.86	3.36	1.50	6.25	1.46	1.35	1
10.73	3.32	1.48	6.25	1.45	1.33	1

			B445.pso			
10.60	3.28	1.46	6.25	1.44	1.31	1
10.47	3.23	1.44	6.25	1.44	1.29	1
10.34	3.19	1.43	6.25	1.43	1.27	1
10.21	3.15	1.41	6.25	1.42	1.25	1
10.09	3.10	1.39	6.25	1.41	1.23	1
9.96	3.06	1.37	6.25	1.41	1.22	1
9.83	3.02	1.36	6.25	1.40	1.21	1
9.70	2.98	1.34	6.25	1.40	1.20	1
9.57	2.93	1.32	6.25	1.39	1.19	1
9.44	2.89	1.30	6.25	1.39	1.18	1
9.31	2.85	1.28	6.25	1.38	1.17	1
9.19	2.81	1.27	6.25	1.38	1.16	1
9.06	2.77	1.25	6.25	1.37	1.15	1
8.93	2.72	1.23	6.25	1.37	1.14	1
8.80	2.68	1.21	6.25	1.36	1.13	1
8.67	2.64	1.20	6.25	1.36	1.12	1
8.54	2.60	1.18	6.25	1.36	1.11	1
8.41	2.56	1.16	6.25	1.35	1.10	1
8.29	2.51	1.14	6.25	1.35	1.09	1
8.16	2.47	1.13	6.25	1.34	1.08	1
8.03	2.43	1.11	6.25	1.34	1.07	1
7.90	2.39	1.09	6.25	1.33	1.07	1
7.77	2.35	1.07	6.25	1.33	1.06	1
7.64	2.31	1.05	6.25	1.33	1.05	1
7.51	2.27	1.04	6.25	1.32	1.04	1
7.39	2.22	1.02	6.25	1.32	1.03	1
7.26	2.18	1.00	6.25	1.32	1.02	1
7.13	2.14	0.98	6.25	1.31	1.01	1
7.00	2.10	0.97	6.25	1.31	1.00	1
7.00	2.10	0.97	6.25	1.31	1.00	1
6.87	2.06	0.95	6.25	1.30	0.99	1
6.74	2.02	0.93	6.25	1.30	0.98	1
6.61	1.98	0.91	6.25	1.30	0.97	1
6.49	1.94	0.89	6.25	1.29	0.96	1
6.36	1.90	0.88	6.25	1.29	0.96	1
6.23	1.86	0.86	6.25	1.28	0.95	1
6.10	1.82	0.84	6.25	1.28	0.95	1
5.97	1.78	0.82	6.25	1.27	0.95	1
5.84	1.74	0.81	6.25	1.27	0.94	1
5.71	1.70	0.79	6.25	1.27	0.94	1
5.59	1.66	0.77	6.25	1.26	0.93	1
5.46	1.62	0.75	6.25	1.26	0.93	1
5.33	1.58	0.73	6.25	1.25	0.92	1
5.20	1.54	0.72	6.25	1.25	0.92	1
5.07	1.50	0.70	6.25	1.24	0.91	1
4.94	1.46	0.68	6.25	1.24	0.91	1
4.81	1.42	0.66	6.25	1.24	0.90	1
4.69	1.38	0.65	6.25	1.23	0.90	1
4.56	1.34	0.63	6.25	1.23	0.89	1
4.43	1.30	0.61	6.25	1.22	0.89	1
4.30	1.26	0.59	6.25	1.22	0.88	1
4.17	1.22	0.58	6.25	1.21	0.88	1
4.04	1.18	0.56	6.25	1.21	0.87	1
3.91	1.14	0.54	6.25	1.20	0.87	1
3.79	1.10	0.52	6.25	1.20	0.86	1
3.66	1.06	0.50	6.25	1.19	0.86	1
3.53	1.02	0.49	6.25	1.19	0.85	1
3.40	0.99	0.47	6.25	1.18	0.85	1
3.27	0.95	0.45	6.25	1.18	0.84	1
3.14	0.91	0.43	6.25	1.17	0.84	1
3.01	0.87	0.42	6.25	1.16	0.83	1
2.89	0.83	0.40	6.25	1.16	0.83	1
2.76	0.79	0.38	6.25	1.15	0.82	1

			B445.pso			
2.63	0.76	0.36	6.25	1.15	0.82	1
2.50	0.72	0.34	6.25	1.14	0.81	1
2.50	0.72	0.34	6.25	1.14	0.81	1
2.43	0.70	0.33	6.25	1.14	0.81	1
2.36	0.68	0.33	6.25	1.13	0.81	1
2.29	0.65	0.32	6.25	1.13	0.81	1
2.21	0.63	0.31	6.25	1.13	0.80	1
2.14	0.61	0.30	6.25	1.12	0.80	1
2.07	0.59	0.29	6.25	1.12	0.80	1
2.00	0.57	0.28	6.25	1.12	0.80	1
1.93	0.55	0.27	6.25	1.11	0.79	1
1.86	0.53	0.26	6.25	1.11	0.79	1
1.79	0.51	0.25	6.25	1.11	0.79	1
1.71	0.49	0.24	6.25	1.10	0.79	1
1.64	0.47	0.23	6.25	1.10	0.78	1
1.57	0.45	0.22	6.25	1.10	0.78	1
1.50	0.43	0.21	6.25	1.09	0.78	1
1.43	0.40	0.20	6.25	1.09	0.77	1
1.36	0.38	0.19	6.25	1.09	0.77	1
1.29	0.36	0.18	6.25	1.08	0.77	1
1.21	0.34	0.17	6.25	1.08	0.77	1
1.14	0.32	0.16	6.25	1.08	0.76	1
1.07	0.30	0.15	6.25	1.07	0.76	1
1.00	0.28	0.14	6.25	1.07	0.76	1
0.93	0.26	0.13	6.25	1.07	0.76	1
0.86	0.24	0.12	6.25	1.06	0.75	1
0.79	0.22	0.11	6.25	1.06	0.75	1
0.71	0.20	0.10	6.25	1.05	0.75	1
0.64	0.18	0.09	6.25	1.05	0.74	1
0.57	0.16	0.08	6.25	1.05	0.74	1
0.50	0.14	0.07	6.25	1.04	0.74	1
0.43	0.12	0.06	6.25	1.04	0.74	1
0.36	0.10	0.05	6.25	1.04	0.73	1
0.29	0.08	0.04	6.25	1.03	0.73	1
0.21	0.06	0.03	6.25	1.03	0.73	1
0.14	0.04	0.02	6.25	1.02	0.73	1
0.07	0.02	0.01	6.25	1.02	0.72	1
0.00	0.00	0.00	6.25	1.02	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.14	0.00	0.00	0.00	0.00	0.00	1
4.12	1.27	1.27	0.00	0.00	0.00	1
4.10	2.53	2.53	0.00	0.00	0.00	1
4.09	3.80	3.80	0.00	0.00	0.00	1
4.07	5.06	5.06	0.00	0.00	0.00	1
4.05	6.33	6.33	0.00	0.00	0.00	1
4.04	7.60	7.60	0.00	0.00	0.00	1
4.02	8.86	8.86	0.00	0.00	0.00	1
4.00	10.13	10.13	0.00	0.00	0.00	1
3.99	11.40	11.40	0.00	0.00	0.00	1
3.97	12.66	12.66	0.00	0.00	0.00	1
3.96	13.93	13.93	0.00	0.00	0.00	1
3.94	15.38	15.38	0.00	0.00	0.00	1
3.92	17.00	15.93	1.07	1.00	0.06	1
3.91	18.62	16.46	2.15	2.00	0.15	1
3.89	20.23	16.97	3.26	2.99	0.26	1
3.88	21.84	17.46	4.38	3.98	0.40	1
3.86	23.44	17.93	5.52	4.97	0.55	1
3.84	25.04	18.37	6.67	5.95	0.72	1
3.83	26.64	18.80	7.84	6.93	0.91	1

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3.81	28.23	19.21	9.02	7.90	1.12	1
3.80	29.82	19.61	10.22	8.87	1.35	1
3.78	31.41	19.99	11.42	9.84	1.59	1
3.77	32.99	20.35	12.64	10.80	1.84	1
3.75	34.58	20.70	13.88	11.76	2.11	1
3.74	36.15	21.04	15.12	12.72	2.40	1
3.72	37.73	21.36	16.37	13.67	2.69	1
3.71	39.30	21.67	17.63	14.63	3.00	1
3.69	40.87	21.97	18.90	15.58	3.32	1
3.68	42.44	22.25	20.18	16.52	3.66	1
3.66	44.00	22.53	21.47	17.47	4.00	1
3.65	45.56	22.80	22.76	18.41	4.35	1
3.63	47.12	23.06	24.07	19.35	4.72	1
3.61	48.68	23.30	25.37	20.29	5.09	1
3.60	50.23	23.54	26.69	21.22	5.47	1
3.58	51.79	23.77	28.01	22.16	5.86	1
3.58	51.79	23.77	28.01	22.16	5.86	1
3.54	56.44	24.47	31.97	24.95	7.02	1
3.50	61.07	25.21	35.86	27.72	8.14	1
3.45	65.68	26.43	39.25	30.48	8.78	1
3.41	70.28	27.53	42.76	33.22	9.54	1
3.36	74.87	28.52	46.35	35.95	10.41	1
3.32	79.45	29.42	50.03	38.67	11.36	1
3.28	84.02	30.24	53.78	41.38	12.40	1
3.23	88.58	31.00	57.58	44.07	13.50	1
3.19	93.13	31.70	61.43	46.77	14.66	1
3.15	97.67	32.35	65.32	49.45	15.88	1
3.10	102.20	32.95	69.25	52.12	17.13	1
3.06	106.73	33.52	73.21	54.79	18.42	1
3.02	111.25	34.06	77.19	57.45	19.74	1
2.98	115.76	34.57	81.19	60.11	21.09	1
2.93	120.27	35.06	85.22	62.76	22.46	1
2.89	124.78	35.53	89.25	65.40	23.85	1
2.85	129.27	35.97	93.30	68.04	25.26	1
2.81	133.76	36.41	97.36	70.67	26.68	1
2.77	138.25	36.83	101.42	73.30	28.12	1
2.72	142.73	37.24	105.49	75.92	29.57	1
2.68	147.21	37.64	109.57	78.54	31.03	1
2.64	151.68	38.04	113.65	81.15	32.49	1
2.60	156.15	38.42	117.73	83.76	33.97	1
2.56	160.61	38.81	121.81	86.36	35.44	1
2.51	165.07	39.18	125.89	88.96	36.92	1
2.47	169.52	39.56	129.97	91.56	38.41	1
2.43	173.97	39.93	134.05	94.15	39.90	1
2.39	178.42	40.29	138.12	96.73	41.39	1
2.35	182.86	40.66	142.20	99.32	42.88	1
2.31	187.30	41.03	146.27	101.89	44.38	1
2.27	191.73	41.39	150.34	104.47	45.87	1
2.22	196.16	41.76	154.40	107.03	47.37	1
2.18	200.58	42.12	158.46	109.60	48.86	1
2.14	205.00	42.49	162.51	112.16	50.35	1
2.10	209.41	42.85	166.56	114.71	51.85	1
2.10	209.41	42.85	166.56	114.71	51.85	1
2.06	213.82	43.22	170.60	117.26	53.34	1
2.02	218.23	43.59	174.64	119.81	54.83	1
1.98	222.63	43.96	178.67	122.35	56.32	1
1.94	227.03	44.33	182.70	124.89	57.81	1
1.90	231.42	44.70	186.72	127.42	59.29	1
1.86	235.81	45.08	190.73	129.95	60.77	1
1.82	240.19	45.46	194.73	132.48	62.25	1
1.78	244.57	45.84	198.73	135.00	63.73	1
1.74	248.94	46.23	202.72	137.51	65.20	1
1.70	253.31	46.62	206.69	140.02	66.67	1

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1.66	257.68	47.01	210.67	142.53	68.14	1
1.62	262.04	47.41	214.63	145.03	69.60	1
1.58	266.39	47.81	218.58	147.53	71.06	1
1.54	270.74	48.22	222.52	150.02	72.51	1
1.50	275.09	48.63	226.46	152.50	73.95	1
1.46	279.43	49.05	230.38	154.99	75.40	1
1.42	283.76	49.47	234.29	157.46	76.83	1
1.38	288.10	49.90	238.19	159.93	78.26	1
1.34	292.42	50.70	241.72	162.40	79.32	1
1.30	296.74	51.62	245.12	164.86	80.26	1
1.26	301.06	52.55	248.50	167.32	81.19	1
1.22	305.37	53.50	251.86	169.77	82.10	1
1.18	309.67	54.46	255.20	172.21	82.99	1
1.14	313.97	55.44	258.53	174.65	83.88	1
1.10	318.26	56.43	261.83	177.08	84.74	1
1.06	322.55	57.43	265.11	179.51	85.60	1
1.02	326.83	58.45	268.38	181.93	86.44	1
0.99	331.10	59.48	271.62	184.35	87.27	1
0.95	335.37	60.53	274.85	186.76	88.08	1
0.91	339.64	61.58	278.05	189.16	88.89	1
0.87	343.89	62.66	281.24	191.56	89.67	1
0.83	348.14	63.74	284.40	193.95	90.45	1
0.79	352.39	64.84	287.55	196.34	91.21	1
0.76	356.63	65.94	290.68	198.72	91.96	1
0.72	360.86	67.07	293.79	201.09	92.70	1
0.72	360.86	67.07	293.79	201.09	92.70	1
0.70	363.21	67.69	295.52	202.41	93.11	1
0.68	365.55	68.32	297.24	203.72	93.51	1
0.65	367.90	68.95	298.95	205.03	93.92	1
0.63	370.24	69.58	300.65	206.34	94.31	1
0.61	372.58	70.22	302.36	207.65	94.71	1
0.59	374.92	70.87	304.05	208.95	95.10	1
0.57	377.25	71.51	305.74	210.26	95.48	1
0.55	379.59	72.17	307.42	211.56	95.86	1
0.53	381.92	72.82	309.10	212.86	96.24	1
0.51	384.25	73.48	310.77	214.15	96.61	1
0.49	386.58	74.14	312.43	215.45	96.98	1
0.47	388.90	74.81	314.09	216.74	97.35	1
0.45	391.23	75.48	315.74	218.03	97.71	1
0.43	393.55	76.16	317.39	219.32	98.07	1
0.40	395.87	76.84	319.03	220.61	98.42	1
0.38	398.18	77.52	320.66	221.89	98.77	1
0.36	400.50	78.20	322.29	223.17	99.12	1
0.34	402.81	78.90	323.91	224.45	99.46	1
0.32	405.12	79.59	325.53	225.73	99.80	1
0.30	407.43	80.29	327.14	227.01	100.13	1
0.28	409.73	80.99	328.74	228.28	100.46	1
0.26	412.04	81.70	330.34	229.55	100.79	1
0.24	414.34	82.41	331.93	230.82	101.11	1
0.22	416.64	83.12	333.51	232.08	101.43	1
0.20	418.94	83.84	335.09	233.35	101.74	1
0.18	421.23	84.57	336.66	234.61	102.05	1
0.16	423.52	85.29	338.23	235.87	102.36	1
0.14	425.81	86.02	339.79	237.13	102.66	1
0.12	428.10	86.76	341.34	238.38	102.96	1
0.10	430.38	87.50	342.89	239.63	103.25	1
0.08	432.67	88.24	344.42	240.88	103.54	1
0.06	434.95	88.99	345.96	242.13	103.83	1
0.04	437.22	89.74	347.48	243.38	104.11	1
0.02	439.50	90.50	349.00	244.62	104.38	1
0.00	441.77	91.26	350.51	245.86	104.65	1

Time = 270.

Degree of Consolidation = 95.0%

DRAFT

B445.pso

Total Settlement = 8.865

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 270. = 8.809

Settlement caused by Secondary Compression at time 270. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.39

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	4.03	1.79	6.25	1.75	1.75	1
12.96	4.02	1.79	6.25	1.75	1.75	1
12.91	4.00	1.78	6.25	1.75	1.75	1
12.87	3.98	1.78	6.25	1.75	1.75	1
12.83	3.97	1.77	6.25	1.75	1.75	1
12.79	3.95	1.76	6.25	1.75	1.75	1
12.74	3.93	1.76	6.25	1.75	1.75	1
12.70	3.92	1.75	6.25	1.75	1.75	1
12.66	3.90	1.75	6.25	1.75	1.75	1
12.61	3.89	1.74	6.25	1.75	1.75	1
12.57	3.87	1.73	6.25	1.75	1.75	1
12.53	3.85	1.73	6.25	1.75	1.75	1
12.49	3.84	1.72	6.25	1.72	1.72	1
12.44	3.82	1.72	6.25	1.71	1.71	1
12.40	3.80	1.71	6.25	1.70	1.70	1
12.36	3.79	1.70	6.25	1.68	1.68	1
12.31	3.77	1.70	6.25	1.67	1.67	1
12.27	3.76	1.69	6.25	1.66	1.65	1
12.23	3.74	1.69	6.25	1.64	1.64	1
12.19	3.73	1.68	6.25	1.63	1.62	1
12.14	3.71	1.67	6.25	1.62	1.61	1
12.10	3.70	1.67	6.25	1.61	1.59	1
12.06	3.68	1.66	6.25	1.60	1.58	1
12.01	3.66	1.66	6.25	1.59	1.57	1
11.97	3.65	1.65	6.25	1.58	1.55	1
11.93	3.63	1.65	6.25	1.57	1.54	1
11.89	3.62	1.64	6.25	1.56	1.52	1
11.84	3.60	1.63	6.25	1.55	1.51	1
11.80	3.59	1.63	6.25	1.54	1.50	1
11.76	3.57	1.62	6.25	1.54	1.49	1
11.71	3.56	1.62	6.25	1.53	1.48	1
11.67	3.54	1.61	6.25	1.52	1.48	1
11.63	3.53	1.60	6.25	1.51	1.47	1
11.59	3.51	1.60	6.25	1.51	1.46	1
11.54	3.50	1.59	6.25	1.50	1.46	1
11.50	3.48	1.59	6.25	1.49	1.45	1
11.50	3.48	1.59	6.25	1.49	1.45	1
11.37	3.44	1.57	6.25	1.47	1.43	1
11.24	3.40	1.55	6.25	1.45	1.41	1
11.11	3.35	1.53	6.25	1.44	1.39	1

			B445.pso			
10.99	3.31	1.52	6.25	1.42	1.37	1
10.86	3.27	1.50	6.25	1.41	1.35	1
10.73	3.22	1.48	6.25	1.40	1.33	1
10.60	3.18	1.46	6.25	1.39	1.31	1
10.47	3.14	1.44	6.25	1.38	1.29	1
10.34	3.10	1.43	6.25	1.37	1.27	1
10.21	3.06	1.41	6.25	1.36	1.25	1
10.09	3.01	1.39	6.25	1.35	1.23	1
9.96	2.97	1.37	6.25	1.35	1.22	1
9.83	2.93	1.36	6.25	1.34	1.21	1
9.70	2.89	1.34	6.25	1.33	1.20	1
9.57	2.85	1.32	6.25	1.33	1.19	1
9.44	2.81	1.30	6.25	1.32	1.18	1
9.31	2.77	1.28	6.25	1.32	1.17	1
9.19	2.72	1.27	6.25	1.31	1.16	1
9.06	2.68	1.25	6.25	1.31	1.15	1
8.93	2.64	1.23	6.25	1.30	1.14	1
8.80	2.60	1.21	6.25	1.30	1.13	1
8.67	2.56	1.20	6.25	1.29	1.12	1
8.54	2.52	1.18	6.25	1.29	1.11	1
8.41	2.48	1.16	6.25	1.28	1.10	1
8.29	2.44	1.14	6.25	1.28	1.09	1
8.16	2.40	1.13	6.25	1.27	1.08	1
8.03	2.36	1.11	6.25	1.27	1.07	1
7.90	2.32	1.09	6.25	1.27	1.07	1
7.77	2.28	1.07	6.25	1.26	1.06	1
7.64	2.24	1.05	6.25	1.26	1.05	1
7.51	2.20	1.04	6.25	1.25	1.04	1
7.39	2.16	1.02	6.25	1.25	1.03	1
7.26	2.12	1.00	6.25	1.25	1.02	1
7.13	2.08	0.98	6.25	1.24	1.01	1
7.00	2.04	0.97	6.25	1.24	1.00	1
7.00	2.04	0.97	6.25	1.24	1.00	1
6.87	2.00	0.95	6.25	1.23	0.99	1
6.74	1.96	0.93	6.25	1.23	0.98	1
6.61	1.92	0.91	6.25	1.23	0.97	1
6.49	1.88	0.89	6.25	1.22	0.96	1
6.36	1.84	0.88	6.25	1.22	0.96	1
6.23	1.80	0.86	6.25	1.21	0.95	1
6.10	1.76	0.84	6.25	1.21	0.95	1
5.97	1.72	0.82	6.25	1.21	0.95	1
5.84	1.69	0.81	6.25	1.20	0.94	1
5.71	1.65	0.79	6.25	1.20	0.94	1
5.59	1.61	0.77	6.25	1.19	0.93	1
5.46	1.57	0.75	6.25	1.19	0.93	1
5.33	1.53	0.73	6.25	1.18	0.92	1
5.20	1.49	0.72	6.25	1.18	0.92	1
5.07	1.45	0.70	6.25	1.18	0.91	1
4.94	1.41	0.68	6.25	1.17	0.91	1
4.81	1.38	0.66	6.25	1.17	0.90	1
4.69	1.34	0.65	6.25	1.16	0.90	1
4.56	1.30	0.63	6.25	1.16	0.89	1
4.43	1.26	0.61	6.25	1.15	0.89	1
4.30	1.22	0.59	6.25	1.15	0.88	1
4.17	1.18	0.58	6.25	1.14	0.88	1
4.04	1.15	0.56	6.25	1.14	0.87	1
3.91	1.11	0.54	6.25	1.13	0.87	1
3.79	1.07	0.52	6.25	1.13	0.86	1
3.66	1.03	0.50	6.25	1.12	0.86	1
3.53	1.00	0.49	6.25	1.12	0.85	1
3.40	0.96	0.47	6.25	1.11	0.85	1
3.27	0.92	0.45	6.25	1.11	0.84	1
3.14	0.88	0.43	6.25	1.10	0.84	1

			B445.pso			
3.01	0.85	0.42	6.25	1.10	0.83	1
2.89	0.81	0.40	6.25	1.09	0.83	1
2.76	0.77	0.38	6.25	1.09	0.82	1
2.63	0.73	0.36	6.25	1.08	0.82	1
2.50	0.70	0.34	6.25	1.08	0.81	1
2.50	0.70	0.34	6.25	1.08	0.81	1
2.43	0.68	0.33	6.25	1.07	0.81	1
2.36	0.66	0.33	6.25	1.07	0.81	1
2.29	0.64	0.32	6.25	1.07	0.81	1
2.21	0.62	0.31	6.25	1.07	0.80	1
2.14	0.60	0.30	6.25	1.06	0.80	1
2.07	0.58	0.29	6.25	1.06	0.80	1
2.00	0.55	0.28	6.25	1.06	0.80	1
1.93	0.53	0.27	6.25	1.05	0.79	1
1.86	0.51	0.26	6.25	1.05	0.79	1
1.79	0.49	0.25	6.25	1.05	0.79	1
1.71	0.47	0.24	6.25	1.04	0.79	1
1.64	0.45	0.23	6.25	1.04	0.78	1
1.57	0.43	0.22	6.25	1.04	0.78	1
1.50	0.41	0.21	6.25	1.03	0.78	1
1.43	0.39	0.20	6.25	1.03	0.77	1
1.36	0.37	0.19	6.25	1.03	0.77	1
1.29	0.35	0.18	6.25	1.03	0.77	1
1.21	0.33	0.17	6.25	1.02	0.77	1
1.14	0.31	0.16	6.25	1.02	0.76	1
1.07	0.29	0.15	6.25	1.02	0.76	1
1.00	0.27	0.14	6.25	1.01	0.76	1
0.93	0.25	0.13	6.25	1.01	0.76	1
0.86	0.23	0.12	6.25	1.01	0.75	1
0.79	0.21	0.11	6.25	1.00	0.75	1
0.71	0.20	0.10	6.25	1.00	0.75	1
0.64	0.18	0.09	6.25	1.00	0.74	1
0.57	0.16	0.08	6.25	0.99	0.74	1
0.50	0.14	0.07	6.25	0.99	0.74	1
0.43	0.12	0.06	6.25	0.99	0.74	1
0.36	0.10	0.05	6.25	0.98	0.73	1
0.29	0.08	0.04	6.25	0.98	0.73	1
0.21	0.06	0.03	6.25	0.97	0.73	1
0.14	0.04	0.02	6.25	0.97	0.73	1
0.07	0.02	0.01	6.25	0.97	0.72	1
0.00	0.00	0.00	6.25	0.96	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
4.03	0.00	0.00	0.00	0.00	0.00	1
4.02	1.27	1.27	0.00	0.00	0.00	1
4.00	2.53	2.53	0.00	0.00	0.00	1
3.98	3.80	3.80	0.00	0.00	0.00	1
3.97	5.06	5.06	0.00	0.00	0.00	1
3.95	6.33	6.33	0.00	0.00	0.00	1
3.93	7.60	7.60	0.00	0.00	0.00	1
3.92	8.86	8.86	0.00	0.00	0.00	1
3.90	10.13	10.13	0.00	0.00	0.00	1
3.89	11.40	11.40	0.00	0.00	0.00	1
3.87	12.66	12.66	0.00	0.00	0.00	1
3.85	13.93	13.93	0.00	0.00	0.00	1
3.84	15.38	15.38	0.00	0.00	0.00	1
3.82	17.00	16.00	1.00	1.00	0.00	1
3.80	18.62	16.61	2.01	2.00	0.01	1
3.79	20.23	17.20	3.03	2.99	0.04	1
3.77	21.83	17.76	4.07	3.98	0.09	1

3.76	23.44	18.31	B445.pso	4.96	0.17	1
3.74	25.03	18.83	5.13	5.94	0.27	1
3.73	26.63	19.33	6.21	6.91	0.39	1
3.71	28.21	19.81	7.30	7.88	0.52	1
3.70	29.80	20.28	8.40	8.84	0.68	1
3.68	31.38	20.73	9.52	9.81	0.85	1
3.66	32.96	21.16	10.65	10.76	1.04	1
3.65	34.53	21.57	11.80	11.72	1.24	1
3.63	36.10	21.97	12.96	12.67	1.46	1
3.62	37.67	22.36	14.12	13.61	1.69	1
3.60	39.23	22.74	15.30	14.56	1.94	1
3.59	40.79	23.10	16.49	15.50	2.20	1
3.57	42.34	23.45	17.69	16.43	2.47	1
3.56	43.90	23.78	18.90	17.37	2.75	1
3.54	45.45	24.11	20.12	18.30	3.04	1
3.53	47.00	24.43	21.34	19.23	3.34	1
3.51	48.54	24.73	22.57	20.15	3.66	1
3.50	50.09	25.06	23.81	21.08	3.95	1
3.48	51.63	25.68	25.02	22.00	3.95	1
3.48	51.63	25.68	25.94	22.00	3.95	1
3.44	56.23	27.54	25.94	24.74	3.95	1
3.40	60.82	29.19	28.69	27.47	4.16	1
3.35	65.38	30.67	31.63	30.18	4.54	1
3.31	69.93	32.00	34.71	32.87	5.07	1
3.27	74.47	33.20	37.93	35.54	5.72	1
3.22	78.99	34.30	41.27	38.20	6.49	1
3.18	83.50	35.29	44.69	40.85	7.35	1
3.14	87.99	36.21	48.21	43.49	8.30	1
3.10	92.48	37.05	51.79	46.12	9.31	1
3.06	96.96	37.83	55.43	48.74	10.39	1
3.01	101.43	38.55	59.13	51.35	11.53	1
2.97	105.89	39.23	62.88	53.95	12.71	1
2.93	110.34	39.86	66.66	56.54	13.94	1
2.89	114.78	40.45	70.48	59.12	15.20	1
2.85	119.22	41.02	74.33	61.70	16.50	1
2.81	123.65	41.55	78.20	64.27	17.83	1
2.77	128.08	42.06	82.10	66.84	19.18	1
2.72	132.49	42.54	86.02	69.40	20.55	1
2.68	136.91	43.01	89.95	71.95	21.94	1
2.64	141.31	43.46	93.90	74.50	23.35	1
2.60	145.72	43.90	97.85	77.05	24.77	1
2.56	150.11	44.32	101.82	79.58	26.21	1
2.52	154.51	44.73	105.79	82.12	27.66	1
2.48	158.89	45.13	109.78	84.65	29.12	1
2.44	163.28	45.53	113.76	87.17	30.58	1
2.40	167.65	45.91	117.75	89.69	32.05	1
2.36	172.03	46.29	121.74	92.20	33.53	1
2.32	176.40	46.67	125.74	94.71	35.02	1
2.28	180.76	47.04	129.73	97.22	36.50	1
2.24	185.12	47.41	133.72	99.72	37.99	1
2.20	189.48	47.78	137.71	102.21	39.49	1
2.16	193.83	48.14	141.70	104.71	40.98	1
2.12	198.17	48.51	145.69	107.19	42.47	1
2.08	202.52	48.87	149.67	109.68	43.97	1
2.04	206.86	49.24	153.65	112.16	45.46	1
2.04	206.86	49.24	157.62	112.16	45.46	1
2.00	211.19	49.60	161.59	114.63	46.96	1
1.96	215.52	49.97	165.55	117.10	48.45	1
1.92	219.84	50.70	169.14	119.57	49.58	1
1.88	224.16	51.47	172.69	122.03	50.66	1
1.84	228.48	52.25	176.23	124.49	51.74	1
1.80	232.79	53.04	179.75	126.94	52.82	1
1.76	237.10	53.83	183.27	129.39	53.88	1

1.72	241.40	54.63	B445.pso 186.77	131.83	54.94	1
1.69	245.70	55.43	190.26	134.27	56.00	1
1.65	249.99	56.25	193.74	136.70	57.04	1
1.61	254.28	57.07	197.21	139.13	58.08	1
1.57	258.56	57.90	200.67	141.56	59.11	1
1.53	262.84	58.74	204.11	143.98	60.13	1
1.49	267.12	59.58	207.54	146.39	61.15	1
1.45	271.39	60.43	210.95	148.80	62.15	1
1.41	275.65	61.29	214.36	151.21	63.15	1
1.38	279.91	62.16	217.75	153.61	64.14	1
1.34	284.16	63.04	221.13	156.00	65.12	1
1.30	288.41	63.92	224.49	158.39	66.10	1
1.26	292.66	64.82	227.84	160.78	67.06	1
1.22	296.90	65.72	231.18	163.16	68.02	1
1.18	301.13	66.63	234.50	165.53	68.97	1
1.15	305.36	67.55	237.81	167.90	69.91	1
1.11	309.58	68.48	241.10	170.27	70.84	1
1.07	313.80	69.42	244.38	172.62	71.76	1
1.03	318.01	70.36	247.65	174.98	72.67	1
1.00	322.22	71.31	250.90	177.33	73.58	1
0.96	326.42	72.28	254.14	179.67	74.48	1
0.92	330.62	73.25	257.37	182.00	75.36	1
0.88	334.81	74.23	260.58	184.34	76.24	1
0.85	338.99	75.22	263.77	186.66	77.11	1
0.81	343.17	76.22	266.95	188.98	77.97	1
0.77	347.34	77.22	270.12	191.30	78.82	1
0.73	351.51	78.24	273.27	193.60	79.67	1
0.70	355.67	79.27	276.41	195.91	80.50	1
0.70	355.67	79.27	276.41	195.91	80.50	1
0.68	357.98	79.84	278.14	197.18	80.96	1
0.66	360.29	80.41	279.88	198.46	81.42	1
0.64	362.59	80.99	281.61	199.73	81.88	1
0.62	364.90	81.56	283.33	201.00	82.33	1
0.60	367.20	82.15	285.05	202.27	82.78	1
0.58	369.50	82.73	286.77	203.54	83.23	1
0.55	371.80	83.32	288.48	204.80	83.68	1
0.53	374.09	83.91	290.19	206.07	84.12	1
0.51	376.39	84.50	291.89	207.33	84.56	1
0.49	378.68	85.10	293.58	208.59	84.99	1
0.47	380.97	85.70	295.27	209.84	85.43	1
0.45	383.26	86.30	296.96	211.10	85.86	1
0.43	385.55	86.91	298.64	212.35	86.28	1
0.41	387.83	87.52	300.31	213.61	86.71	1
0.39	390.12	88.13	301.98	214.86	87.13	1
0.37	392.40	88.75	303.65	216.10	87.54	1
0.35	394.68	89.37	305.31	217.35	87.96	1
0.33	396.95	89.99	306.96	218.60	88.37	1
0.31	399.23	90.61	308.61	219.84	88.78	1
0.29	401.50	91.24	310.26	221.08	89.18	1
0.27	403.77	91.88	311.90	222.32	89.58	1
0.25	406.04	92.51	313.53	223.55	89.98	1
0.23	408.31	93.15	315.16	224.79	90.37	1
0.21	410.57	93.79	316.78	226.02	90.76	1
0.20	412.83	94.44	318.40	227.25	91.15	1
0.18	415.10	95.09	320.01	228.48	91.53	1
0.16	417.35	95.74	321.61	229.70	91.91	1
0.14	419.61	96.40	323.21	230.92	92.29	1
0.12	421.86	97.05	324.81	232.15	92.66	1
0.10	424.12	97.72	326.40	233.37	93.03	1
0.08	426.37	98.38	327.98	234.58	93.40	1
0.06	428.62	99.05	329.56	235.80	93.76	1
0.04	430.86	99.73	331.13	237.01	94.12	1
0.02	433.10	100.81	332.30	238.22	94.08	1

0.00 435.35 102.17 B445.pso
 333.18 239.43 93.75 1

Time = 365. Degree of Consolidation = 96.%

Total Settlement = 8.968

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 365. = 8.912

Settlement caused by Secondary Compression at time 365. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.28

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	3.96	1.79	6.25	1.75	1.75	1
12.96	3.95	1.79	6.25	1.75	1.75	1
12.91	3.93	1.78	6.25	1.75	1.75	1
12.87	3.92	1.78	6.25	1.75	1.75	1
12.83	3.90	1.77	6.25	1.75	1.75	1
12.79	3.88	1.76	6.25	1.75	1.75	1
12.74	3.87	1.76	6.25	1.75	1.75	1
12.70	3.85	1.75	6.25	1.75	1.75	1
12.66	3.83	1.75	6.25	1.75	1.75	1
12.61	3.82	1.74	6.25	1.75	1.75	1
12.57	3.80	1.73	6.25	1.75	1.75	1
12.53	3.79	1.73	6.25	1.75	1.75	1
12.49	3.77	1.72	6.25	1.72	1.72	1
12.44	3.75	1.72	6.25	1.71	1.71	1
12.40	3.74	1.71	6.25	1.70	1.70	1
12.36	3.72	1.70	6.25	1.68	1.68	1
12.31	3.71	1.70	6.25	1.67	1.67	1
12.27	3.69	1.69	6.25	1.65	1.65	1
12.23	3.67	1.69	6.25	1.64	1.64	1
12.19	3.66	1.68	6.25	1.63	1.62	1
12.14	3.64	1.67	6.25	1.62	1.61	1
12.10	3.63	1.67	6.25	1.60	1.59	1
12.06	3.61	1.66	6.25	1.59	1.58	1
12.01	3.60	1.66	6.25	1.58	1.57	1
11.97	3.58	1.65	6.25	1.57	1.55	1
11.93	3.57	1.65	6.25	1.56	1.54	1
11.89	3.55	1.64	6.25	1.55	1.52	1
11.84	3.54	1.63	6.25	1.54	1.51	1
11.80	3.52	1.63	6.25	1.53	1.50	1
11.76	3.51	1.62	6.25	1.52	1.49	1
11.71	3.49	1.62	6.25	1.52	1.48	1
11.67	3.48	1.61	6.25	1.51	1.48	1
11.63	3.46	1.60	6.25	1.50	1.47	1
11.59	3.45	1.60	6.25	1.49	1.46	1
11.54	3.43	1.59	6.25	1.48	1.46	1
11.50	3.42	1.59	6.25	1.48	1.45	1
11.50	3.42	1.59	6.25	1.48	1.45	1

			B445.pso			
11.37	3.37	1.57	6.25	1.45	1.43	1
11.24	3.33	1.55	6.25	1.44	1.41	1
11.11	3.29	1.53	6.25	1.42	1.39	1
10.99	3.25	1.52	6.25	1.40	1.37	1
10.86	3.20	1.50	6.25	1.39	1.35	1
10.73	3.16	1.48	6.25	1.37	1.33	1
10.60	3.12	1.46	6.25	1.36	1.31	1
10.47	3.08	1.44	6.25	1.35	1.29	1
10.34	3.04	1.43	6.25	1.34	1.27	1
10.21	2.99	1.41	6.25	1.33	1.25	1
10.09	2.95	1.39	6.25	1.32	1.23	1
9.96	2.91	1.37	6.25	1.31	1.22	1
9.83	2.87	1.36	6.25	1.31	1.21	1
9.70	2.83	1.34	6.25	1.30	1.20	1
9.57	2.79	1.32	6.25	1.29	1.19	1
9.44	2.75	1.30	6.25	1.28	1.18	1
9.31	2.71	1.28	6.25	1.28	1.17	1
9.19	2.67	1.27	6.25	1.27	1.16	1
9.06	2.63	1.25	6.25	1.27	1.15	1
8.93	2.59	1.23	6.25	1.26	1.14	1
8.80	2.55	1.21	6.25	1.26	1.13	1
8.67	2.51	1.20	6.25	1.25	1.12	1
8.54	2.47	1.18	6.25	1.24	1.11	1
8.41	2.43	1.16	6.25	1.24	1.10	1
8.29	2.39	1.14	6.25	1.24	1.09	1
8.16	2.35	1.13	6.25	1.23	1.08	1
8.03	2.31	1.11	6.25	1.23	1.07	1
7.90	2.27	1.09	6.25	1.22	1.07	1
7.77	2.23	1.07	6.25	1.22	1.06	1
7.64	2.19	1.05	6.25	1.21	1.05	1
7.51	2.15	1.04	6.25	1.21	1.04	1
7.39	2.11	1.02	6.25	1.20	1.03	1
7.26	2.07	1.00	6.25	1.20	1.02	1
7.13	2.03	0.98	6.25	1.19	1.01	1
7.00	2.00	0.97	6.25	1.19	1.00	1
7.00	2.00	0.97	6.25	1.19	1.00	1
6.87	1.96	0.95	6.25	1.19	0.99	1
6.74	1.92	0.93	6.25	1.18	0.98	1
6.61	1.88	0.91	6.25	1.18	0.97	1
6.49	1.84	0.89	6.25	1.17	0.96	1
6.36	1.80	0.88	6.25	1.17	0.96	1
6.23	1.76	0.86	6.25	1.16	0.95	1
6.10	1.73	0.84	6.25	1.16	0.95	1
5.97	1.69	0.82	6.25	1.16	0.95	1
5.84	1.65	0.81	6.25	1.15	0.94	1
5.71	1.61	0.79	6.25	1.15	0.94	1
5.59	1.57	0.77	6.25	1.14	0.93	1
5.46	1.53	0.75	6.25	1.14	0.93	1
5.33	1.50	0.73	6.25	1.13	0.92	1
5.20	1.46	0.72	6.25	1.13	0.92	1
5.07	1.42	0.70	6.25	1.13	0.91	1
4.94	1.38	0.68	6.25	1.12	0.91	1
4.81	1.35	0.66	6.25	1.12	0.90	1
4.69	1.31	0.65	6.25	1.11	0.90	1
4.56	1.27	0.63	6.25	1.11	0.89	1
4.43	1.23	0.61	6.25	1.10	0.89	1
4.30	1.20	0.59	6.25	1.10	0.88	1
4.17	1.16	0.58	6.25	1.09	0.88	1
4.04	1.12	0.56	6.25	1.09	0.87	1
3.91	1.09	0.54	6.25	1.09	0.87	1
3.79	1.05	0.52	6.25	1.08	0.86	1
3.66	1.01	0.50	6.25	1.08	0.86	1
3.53	0.97	0.49	6.25	1.07	0.85	1

			B445.pso			
3.40	0.94	0.47	6.25	1.07	0.85	1
3.27	0.90	0.45	6.25	1.06	0.84	1
3.14	0.87	0.43	6.25	1.06	0.84	1
3.01	0.83	0.42	6.25	1.05	0.83	1
2.89	0.79	0.40	6.25	1.05	0.83	1
2.76	0.76	0.38	6.25	1.04	0.82	1
2.63	0.72	0.36	6.25	1.04	0.82	1
2.50	0.68	0.34	6.25	1.03	0.81	1
2.50	0.68	0.34	6.25	1.03	0.81	1
2.43	0.66	0.33	6.25	1.03	0.81	1
2.36	0.64	0.33	6.25	1.03	0.81	1
2.29	0.62	0.32	6.25	1.02	0.81	1
2.21	0.60	0.31	6.25	1.02	0.80	1
2.14	0.58	0.30	6.25	1.02	0.80	1
2.07	0.56	0.29	6.25	1.02	0.80	1
2.00	0.54	0.28	6.25	1.01	0.80	1
1.93	0.52	0.27	6.25	1.01	0.79	1
1.86	0.50	0.26	6.25	1.01	0.79	1
1.79	0.48	0.25	6.25	1.01	0.79	1
1.71	0.47	0.24	6.25	1.00	0.79	1
1.64	0.45	0.23	6.25	1.00	0.78	1
1.57	0.43	0.22	6.25	1.00	0.78	1
1.50	0.41	0.21	6.25	0.99	0.78	1
1.43	0.39	0.20	6.25	0.99	0.77	1
1.36	0.37	0.19	6.25	0.99	0.77	1
1.29	0.35	0.18	6.25	0.98	0.77	1
1.21	0.33	0.17	6.25	0.98	0.77	1
1.14	0.31	0.16	6.25	0.98	0.76	1
1.07	0.29	0.15	6.25	0.98	0.76	1
1.00	0.27	0.14	6.25	0.97	0.76	1
0.93	0.25	0.13	6.25	0.97	0.76	1
0.86	0.23	0.12	6.25	0.97	0.75	1
0.79	0.21	0.11	6.25	0.96	0.75	1
0.71	0.19	0.10	6.25	0.96	0.75	1
0.64	0.17	0.09	6.25	0.96	0.74	1
0.57	0.15	0.08	6.25	0.95	0.74	1
0.50	0.13	0.07	6.25	0.95	0.74	1
0.43	0.11	0.06	6.25	0.95	0.74	1
0.36	0.10	0.05	6.25	0.95	0.73	1
0.29	0.08	0.04	6.25	0.94	0.73	1
0.21	0.06	0.03	6.25	0.94	0.73	1
0.14	0.04	0.02	6.25	0.94	0.73	1
0.07	0.02	0.01	6.25	0.93	0.72	1
0.00	0.00	0.00	6.25	0.93	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.96	0.00	0.00	0.00	0.00	0.00	1
3.95	1.27	1.27	0.00	0.00	0.00	1
3.93	2.53	2.53	0.00	0.00	0.00	1
3.92	3.80	3.80	0.00	0.00	0.00	1
3.90	5.06	5.06	0.00	0.00	0.00	1
3.88	6.33	6.33	0.00	0.00	0.00	1
3.87	7.60	7.60	0.00	0.00	0.00	1
3.85	8.86	8.86	0.00	0.00	0.00	1
3.83	10.13	10.13	0.00	0.00	0.00	1
3.82	11.40	11.40	0.00	0.00	0.00	1
3.80	12.66	12.66	0.00	0.00	0.00	1
3.79	13.93	13.93	0.00	0.00	0.00	1
3.77	15.38	15.38	0.00	0.00	0.00	1
3.75	17.00	16.00	1.00	1.00	0.00	1

			B445.pso			
3.74	18.62	16.62	2.00	2.00	0.00	1
3.72	20.23	17.24	2.99	2.99	0.00	1
3.71	21.83	17.84	4.00	3.98	0.02	1
3.69	23.43	18.42	5.02	4.96	0.06	1
3.67	25.03	18.98	6.06	5.94	0.12	1
3.66	26.62	19.51	7.11	6.91	0.20	1
3.64	28.21	20.03	8.18	7.87	0.30	1
3.63	29.79	20.53	9.26	8.84	0.42	1
3.61	31.37	21.01	10.36	9.80	0.56	1
3.60	32.94	21.48	11.47	10.75	0.72	1
3.58	34.51	21.93	12.59	11.70	0.89	1
3.57	36.08	22.36	13.72	12.65	1.07	1
3.55	37.64	22.78	14.86	13.59	1.27	1
3.54	39.20	23.19	16.01	14.53	1.48	1
3.52	40.76	23.58	17.18	15.47	1.71	1
3.51	42.31	23.96	18.35	16.40	1.95	1
3.49	43.86	24.33	19.53	17.33	2.20	1
3.48	45.41	24.69	20.71	18.25	2.46	1
3.46	46.95	25.09	21.86	19.18	2.68	1
3.45	48.49	25.82	22.67	20.10	2.57	1
3.43	50.03	26.52	23.51	21.02	2.49	1
3.42	51.56	27.19	24.37	21.93	2.44	1
3.42	51.56	27.19	24.37	21.93	2.44	1
3.37	56.15	29.20	26.94	24.66	2.29	1
3.33	60.71	31.01	29.71	27.36	2.34	1
3.29	65.26	32.63	32.63	30.05	2.58	1
3.25	69.78	34.10	35.68	32.71	2.97	1
3.20	74.29	35.43	38.86	35.36	3.49	1
3.16	78.78	36.65	42.13	38.00	4.13	1
3.12	83.26	37.77	45.49	40.62	4.87	1
3.08	87.73	38.80	48.93	43.23	5.70	1
3.04	92.18	39.76	52.43	45.82	6.60	1
2.99	96.63	40.65	55.98	48.41	7.58	1
2.95	101.06	41.47	59.59	50.98	8.61	1
2.91	105.49	42.25	63.24	53.55	9.69	1
2.87	109.90	42.98	66.92	56.10	10.82	1
2.83	114.31	43.67	70.64	58.65	11.99	1
2.79	118.71	44.32	74.39	61.19	13.20	1
2.75	123.10	44.93	78.16	63.72	14.44	1
2.71	127.48	45.52	81.96	66.25	15.71	1
2.67	131.86	46.09	85.77	68.76	17.01	1
2.63	136.23	46.63	89.60	71.28	18.32	1
2.59	140.59	47.15	93.44	73.78	19.66	1
2.55	144.95	47.65	97.30	76.28	21.02	1
2.51	149.30	48.14	101.16	78.77	22.39	1
2.47	153.65	48.61	105.03	81.26	23.78	1
2.43	157.99	49.08	108.91	83.74	25.17	1
2.39	162.32	49.53	112.80	86.22	26.58	1
2.35	166.65	49.97	116.68	88.69	28.00	1
2.31	170.98	50.84	120.14	91.15	28.99	1
2.27	175.30	51.73	123.57	93.61	29.95	1
2.23	179.61	52.61	127.00	96.07	30.94	1
2.19	183.92	53.48	130.45	98.52	31.93	1
2.15	188.23	54.34	133.89	100.96	32.93	1
2.11	192.53	55.19	137.34	103.40	33.93	1
2.07	196.82	56.03	140.79	105.84	34.95	1
2.03	201.11	56.87	144.24	108.27	35.97	1
2.00	205.39	57.70	147.69	110.70	37.00	1
2.00	205.39	57.70	147.69	110.70	37.00	1
1.96	209.67	58.54	151.14	113.12	38.02	1
1.92	213.95	59.37	154.58	115.53	39.05	1
1.88	218.22	60.19	158.03	117.94	40.08	1
1.84	222.49	61.02	161.47	120.35	41.12	1

B445.pso						
1.80	226.75	61.84	164.90	122.75	42.15	1
1.76	231.00	62.67	168.34	125.15	43.19	1
1.73	235.25	63.49	171.76	127.54	44.22	1
1.69	239.50	64.31	175.19	129.93	45.26	1
1.65	243.74	65.14	178.60	132.31	46.29	1
1.61	247.98	65.97	182.02	134.69	47.32	1
1.57	252.21	66.79	185.42	137.07	48.35	1
1.53	256.44	67.62	188.82	139.43	49.38	1
1.50	260.66	68.46	192.21	141.80	50.41	1
1.46	264.88	69.29	195.59	144.16	51.43	1
1.42	269.10	70.13	198.96	146.51	52.45	1
1.38	273.30	70.97	202.33	148.86	53.47	1
1.35	277.51	71.82	205.69	151.21	54.48	1
1.31	281.71	72.67	209.04	153.55	55.49	1
1.27	285.90	73.52	212.38	155.88	56.50	1
1.23	290.09	74.38	215.71	158.21	57.50	1
1.20	294.27	75.25	219.03	160.53	58.49	1
1.16	298.45	76.12	222.34	162.85	59.48	1
1.12	302.63	76.99	225.64	165.17	60.47	1
1.09	306.80	77.87	228.93	167.48	61.45	1
1.05	310.96	78.75	232.21	169.78	62.42	1
1.01	315.12	79.64	235.48	172.08	63.39	1
0.97	319.27	80.54	238.74	174.38	64.36	1
0.94	323.42	81.44	241.98	176.67	65.32	1
0.90	327.56	82.34	245.22	178.95	66.27	1
0.87	331.70	83.26	248.45	181.23	67.21	1
0.83	335.84	84.18	251.66	183.51	68.15	1
0.79	339.96	85.10	254.86	185.77	69.09	1
0.76	344.08	86.03	258.05	188.04	70.02	1
0.72	348.20	86.97	261.23	190.29	70.94	1
0.68	352.31	87.91	264.40	192.55	71.85	1
0.68	352.31	87.91	264.40	192.55	71.85	1
0.66	354.59	88.44	266.16	193.80	72.36	1
0.64	356.87	88.97	267.91	195.04	72.87	1
0.62	359.15	89.49	269.66	196.29	73.37	1
0.60	361.43	90.03	271.40	197.53	73.87	1
0.58	363.70	90.56	273.15	198.77	74.37	1
0.56	365.98	91.09	274.88	200.01	74.87	1
0.54	368.25	91.63	276.62	201.25	75.36	1
0.52	370.52	92.17	278.35	202.49	75.86	1
0.50	372.79	92.72	280.07	203.73	76.35	1
0.48	375.05	93.26	281.79	204.96	76.83	1
0.47	377.32	93.81	283.51	206.19	77.32	1
0.45	379.58	94.36	285.23	207.42	77.80	1
0.43	381.84	94.91	286.93	208.65	78.29	1
0.41	384.10	95.46	288.64	209.88	78.76	1
0.39	386.36	96.02	290.34	211.10	79.24	1
0.37	388.62	96.58	292.04	212.32	79.71	1
0.35	390.87	97.14	293.73	213.54	80.19	1
0.33	393.12	97.70	295.42	214.76	80.65	1
0.31	395.37	98.27	297.10	215.98	81.12	1
0.29	397.62	98.84	298.78	217.20	81.58	1
0.27	399.87	99.41	300.46	218.41	82.05	1
0.25	402.11	99.98	302.13	219.62	82.50	1
0.23	404.35	101.12	303.23	220.83	82.40	1
0.21	406.60	102.28	304.32	222.04	82.27	1
0.19	408.84	103.44	305.39	223.25	82.14	1
0.17	411.07	104.61	306.46	224.45	82.01	1
0.15	413.31	105.79	307.52	225.66	81.86	1
0.13	415.54	106.97	308.58	226.86	81.72	1
0.11	417.77	108.15	309.62	228.06	81.57	1
0.10	420.00	109.34	310.67	229.25	81.41	1
0.08	422.23	110.53	311.70	230.45	81.25	1

			B445.pso			
0.06	424.46	111.73	312.73	231.64	81.09	1
0.04	426.68	112.93	313.75	232.83	80.92	1
0.02	428.90	114.14	314.77	234.02	80.75	1
0.00	431.13	115.35	315.78	235.21	80.57	1

Time = 455. Degree of Consolidation = 96.%

Total Settlement = 9.036

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 455. = 8.980

Settlement caused by Secondary Compression at time 455. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.21

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	3.84	1.79	6.25	1.75	1.75	1
12.96	3.82	1.79	6.25	1.75	1.75	1
12.91	3.81	1.78	6.25	1.75	1.75	1
12.87	3.79	1.78	6.25	1.75	1.75	1
12.83	3.77	1.77	6.25	1.75	1.75	1
12.79	3.76	1.76	6.25	1.75	1.75	1
12.74	3.74	1.76	6.25	1.75	1.75	1
12.70	3.73	1.75	6.25	1.75	1.75	1
12.66	3.71	1.75	6.25	1.75	1.75	1
12.61	3.69	1.74	6.25	1.75	1.75	1
12.57	3.68	1.73	6.25	1.75	1.75	1
12.53	3.66	1.73	6.25	1.75	1.75	1
12.49	3.64	1.72	6.25	1.72	1.72	1
12.44	3.63	1.72	6.25	1.71	1.71	1
12.40	3.61	1.71	6.25	1.70	1.70	1
12.36	3.60	1.70	6.25	1.68	1.68	1
12.31	3.58	1.70	6.25	1.67	1.67	1
12.27	3.56	1.69	6.25	1.65	1.65	1
12.23	3.55	1.69	6.25	1.64	1.64	1
12.19	3.53	1.68	6.25	1.62	1.62	1
12.14	3.52	1.67	6.25	1.61	1.61	1
12.10	3.50	1.67	6.25	1.60	1.59	1
12.06	3.49	1.66	6.25	1.59	1.58	1
12.01	3.47	1.66	6.25	1.57	1.57	1
11.97	3.46	1.65	6.25	1.56	1.55	1
11.93	3.44	1.65	6.25	1.55	1.54	1
11.89	3.43	1.64	6.25	1.54	1.52	1
11.84	3.41	1.63	6.25	1.53	1.51	1
11.80	3.40	1.63	6.25	1.52	1.50	1
11.76	3.38	1.62	6.25	1.51	1.49	1
11.71	3.37	1.62	6.25	1.50	1.48	1
11.67	3.35	1.61	6.25	1.49	1.48	1
11.63	3.34	1.60	6.25	1.48	1.47	1
11.59	3.32	1.60	6.25	1.47	1.46	1

			B445.pso			
11.54	3.31	1.59	6.25	1.46	1.46	1
11.50	3.29	1.59	6.25	1.46	1.45	1
11.50	3.29	1.59	6.25	1.46	1.45	1
11.37	3.25	1.57	6.25	1.43	1.43	1
11.24	3.21	1.55	6.25	1.41	1.41	1
11.11	3.16	1.53	6.25	1.39	1.39	1
10.99	3.12	1.52	6.25	1.37	1.37	1
10.86	3.08	1.50	6.25	1.35	1.35	1
10.73	3.04	1.48	6.25	1.34	1.33	1
10.60	3.00	1.46	6.25	1.32	1.31	1
10.47	2.96	1.44	6.25	1.31	1.29	1
10.34	2.92	1.43	6.25	1.30	1.27	1
10.21	2.88	1.41	6.25	1.28	1.25	1
10.09	2.84	1.39	6.25	1.27	1.23	1
9.96	2.79	1.37	6.25	1.26	1.22	1
9.83	2.75	1.36	6.25	1.25	1.21	1
9.70	2.72	1.34	6.25	1.24	1.20	1
9.57	2.68	1.32	6.25	1.23	1.19	1
9.44	2.64	1.30	6.25	1.22	1.18	1
9.31	2.60	1.28	6.25	1.22	1.17	1
9.19	2.56	1.27	6.25	1.21	1.16	1
9.06	2.52	1.25	6.25	1.20	1.15	1
8.93	2.48	1.23	6.25	1.19	1.14	1
8.80	2.44	1.21	6.25	1.18	1.13	1
8.67	2.40	1.20	6.25	1.18	1.12	1
8.54	2.36	1.18	6.25	1.17	1.11	1
8.41	2.32	1.16	6.25	1.16	1.10	1
8.29	2.29	1.14	6.25	1.16	1.09	1
8.16	2.25	1.13	6.25	1.15	1.08	1
8.03	2.21	1.11	6.25	1.14	1.07	1
7.90	2.17	1.09	6.25	1.14	1.07	1
7.77	2.13	1.07	6.25	1.13	1.06	1
7.64	2.10	1.05	6.25	1.13	1.05	1
7.51	2.06	1.04	6.25	1.12	1.04	1
7.39	2.02	1.02	6.25	1.12	1.03	1
7.26	1.98	1.00	6.25	1.11	1.02	1
7.13	1.95	0.98	6.25	1.10	1.01	1
7.00	1.91	0.97	6.25	1.10	1.00	1
7.00	1.91	0.97	6.25	1.10	1.00	1
6.87	1.87	0.95	6.25	1.09	0.99	1
6.74	1.84	0.93	6.25	1.09	0.98	1
6.61	1.80	0.91	6.25	1.08	0.97	1
6.49	1.76	0.89	6.25	1.08	0.96	1
6.36	1.72	0.88	6.25	1.07	0.96	1
6.23	1.69	0.86	6.25	1.07	0.95	1
6.10	1.65	0.84	6.25	1.07	0.95	1
5.97	1.61	0.82	6.25	1.06	0.95	1
5.84	1.58	0.81	6.25	1.06	0.94	1
5.71	1.54	0.79	6.25	1.05	0.94	1
5.59	1.50	0.77	6.25	1.05	0.93	1
5.46	1.47	0.75	6.25	1.04	0.93	1
5.33	1.43	0.73	6.25	1.04	0.92	1
5.20	1.40	0.72	6.25	1.03	0.92	1
5.07	1.36	0.70	6.25	1.03	0.91	1
4.94	1.32	0.68	6.25	1.03	0.91	1
4.81	1.29	0.66	6.25	1.02	0.90	1
4.69	1.25	0.65	6.25	1.02	0.90	1
4.56	1.22	0.63	6.25	1.01	0.89	1
4.43	1.18	0.61	6.25	1.01	0.89	1
4.30	1.15	0.59	6.25	1.00	0.88	1
4.17	1.11	0.58	6.25	1.00	0.88	1
4.04	1.07	0.56	6.25	1.00	0.87	1
3.91	1.04	0.54	6.25	0.99	0.87	1

			B445.pso			
3.79	1.00	0.52	6.25	0.99	0.86	1
3.66	0.97	0.50	6.25	0.98	0.86	1
3.53	0.93	0.49	6.25	0.98	0.85	1
3.40	0.90	0.47	6.25	0.97	0.85	1
3.27	0.86	0.45	6.25	0.97	0.84	1
3.14	0.83	0.43	6.25	0.97	0.84	1
3.01	0.79	0.42	6.25	0.96	0.83	1
2.89	0.76	0.40	6.25	0.96	0.83	1
2.76	0.72	0.38	6.25	0.95	0.82	1
2.63	0.69	0.36	6.25	0.95	0.82	1
2.50	0.66	0.34	6.25	0.94	0.81	1
2.50	0.66	0.34	6.25	0.94	0.81	1
2.43	0.64	0.33	6.25	0.94	0.81	1
2.36	0.62	0.33	6.25	0.94	0.81	1
2.29	0.60	0.32	6.25	0.94	0.81	1
2.21	0.58	0.31	6.25	0.93	0.80	1
2.14	0.56	0.30	6.25	0.93	0.80	1
2.07	0.54	0.29	6.25	0.93	0.80	1
2.00	0.52	0.28	6.25	0.93	0.80	1
1.93	0.50	0.27	6.25	0.92	0.79	1
1.86	0.48	0.26	6.25	0.92	0.79	1
1.79	0.47	0.25	6.25	0.92	0.79	1
1.71	0.45	0.24	6.25	0.92	0.79	1
1.64	0.43	0.23	6.25	0.92	0.78	1
1.57	0.41	0.22	6.25	0.91	0.78	1
1.50	0.39	0.21	6.25	0.91	0.78	1
1.43	0.37	0.20	6.25	0.91	0.77	1
1.36	0.35	0.19	6.25	0.91	0.77	1
1.29	0.33	0.18	6.25	0.90	0.77	1
1.21	0.31	0.17	6.25	0.90	0.77	1
1.14	0.30	0.16	6.25	0.90	0.76	1
1.07	0.28	0.15	6.25	0.90	0.76	1
1.00	0.26	0.14	6.25	0.89	0.76	1
0.93	0.24	0.13	6.25	0.89	0.76	1
0.86	0.22	0.12	6.25	0.89	0.75	1
0.79	0.20	0.11	6.25	0.89	0.75	1
0.71	0.18	0.10	6.25	0.88	0.75	1
0.64	0.17	0.09	6.25	0.88	0.74	1
0.57	0.15	0.08	6.25	0.88	0.74	1
0.50	0.13	0.07	6.25	0.88	0.74	1
0.43	0.11	0.06	6.25	0.87	0.74	1
0.36	0.09	0.05	6.25	0.87	0.73	1
0.29	0.07	0.04	6.25	0.87	0.73	1
0.21	0.06	0.03	6.25	0.87	0.73	1
0.14	0.04	0.02	6.25	0.86	0.73	1
0.07	0.02	0.01	6.25	0.86	0.72	1
0.00	0.00	0.00	6.25	0.86	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.84	0.00	0.00	0.00	0.00	0.00	1
3.82	1.27	1.27	0.00	0.00	0.00	1
3.81	2.53	2.53	0.00	0.00	0.00	1
3.79	3.80	3.80	0.00	0.00	0.00	1
3.77	5.06	5.06	0.00	0.00	0.00	1
3.76	6.33	6.33	0.00	0.00	0.00	1
3.74	7.60	7.60	0.00	0.00	0.00	1
3.73	8.86	8.86	0.00	0.00	0.00	1
3.71	10.13	10.13	0.00	0.00	0.00	1
3.69	11.40	11.40	0.00	0.00	0.00	1
3.68	12.66	12.66	0.00	0.00	0.00	1

			B445.pso			
3.66	13.93	13.93	0.00	0.00	0.00	1
3.64	15.38	15.38	0.00	0.00	0.00	1
3.63	17.00	16.00	1.00	1.00	0.00	1
3.61	18.62	16.62	2.00	2.00	0.00	1
3.60	20.23	17.24	2.99	2.99	0.00	1
3.58	21.83	17.86	3.98	3.98	0.00	1
3.56	23.43	18.48	4.96	4.96	0.00	1
3.55	25.03	19.08	5.94	5.93	0.01	1
3.53	26.62	19.67	6.95	6.90	0.04	1
3.52	28.20	20.24	7.96	7.87	0.09	1
3.50	29.79	20.79	9.00	8.83	0.16	1
3.49	31.36	21.32	10.04	9.79	0.25	1
3.47	32.93	21.83	11.10	10.74	0.36	1
3.46	34.50	22.33	12.17	11.69	0.48	1
3.44	36.06	22.81	13.25	12.63	0.62	1
3.43	37.62	23.28	14.34	13.57	0.77	1
3.41	39.18	23.74	15.44	14.50	0.93	1
3.40	40.73	24.18	16.55	15.43	1.11	1
3.38	42.27	24.61	17.66	16.36	1.30	1
3.37	43.82	25.06	18.76	17.29	1.47	1
3.35	45.36	25.93	19.43	18.21	1.22	1
3.34	46.89	26.77	20.12	19.12	1.00	1
3.32	48.43	27.58	20.85	20.04	0.82	1
3.31	49.96	28.35	21.61	20.95	0.66	1
3.29	51.48	29.10	22.39	21.85	0.53	1
3.29	51.48	29.10	22.39	21.85	0.53	1
3.25	56.05	31.33	24.71	24.56	0.15	1
3.21	60.58	33.35	27.24	27.24	0.00	1
3.16	65.10	35.21	29.89	29.89	0.00	1
3.12	69.59	36.97	32.62	32.52	0.09	1
3.08	74.06	38.59	35.47	35.14	0.33	1
3.04	78.52	40.08	38.44	37.73	0.71	1
3.00	82.96	41.45	41.50	40.31	1.19	1
2.96	87.38	42.73	44.64	42.87	1.77	1
2.92	91.78	43.92	47.86	45.42	2.44	1
2.88	96.18	45.04	51.14	47.95	3.18	1
2.84	100.56	46.09	54.46	50.48	3.99	1
2.79	104.92	47.08	57.84	52.98	4.86	1
2.75	109.28	48.03	61.25	55.48	5.77	1
2.72	113.62	48.92	64.70	57.97	6.74	1
2.68	117.96	49.78	68.18	60.44	7.74	1
2.64	122.28	51.24	71.04	62.91	8.13	1
2.60	126.60	52.88	73.72	65.36	8.35	1
2.56	130.90	54.46	76.44	67.81	8.63	1
2.52	135.20	55.98	79.22	70.25	8.97	1
2.48	139.49	57.45	82.04	72.68	9.36	1
2.44	143.77	58.87	84.90	75.10	9.80	1
2.40	148.04	60.25	87.79	77.51	10.28	1
2.36	152.30	61.58	90.73	79.91	10.81	1
2.32	156.56	62.87	93.69	82.31	11.38	1
2.29	160.81	64.12	96.69	84.70	11.99	1
2.25	165.05	65.33	99.72	87.09	12.63	1
2.21	169.29	66.52	102.77	89.46	13.31	1
2.17	173.52	67.67	105.84	91.83	14.01	1
2.13	177.74	68.80	108.94	94.19	14.75	1
2.10	181.95	69.89	112.06	96.55	15.51	1
2.06	186.16	70.96	115.20	98.90	16.30	1
2.02	190.37	72.01	118.35	101.24	17.11	1
1.98	194.56	73.04	121.52	103.58	17.94	1
1.95	198.75	74.04	124.71	105.91	18.79	1
1.91	202.94	75.03	127.91	108.24	19.67	1
1.91	202.94	75.03	127.91	108.24	19.67	1
1.87	207.12	76.02	131.10	110.56	20.54	1

			B445.pso			
1.84	211.29	76.99	134.30	112.88	21.43	1
1.80	215.46	77.94	137.52	115.19	22.33	1
1.76	219.63	78.88	140.74	117.49	23.25	1
1.72	223.78	79.81	143.97	119.79	24.18	1
1.69	227.94	80.72	147.21	122.08	25.13	1
1.65	232.08	81.63	150.46	124.37	26.09	1
1.61	236.23	82.52	153.71	126.65	27.05	1
1.58	240.36	83.40	156.96	128.93	28.03	1
1.54	244.49	84.27	160.22	131.21	29.02	1
1.50	248.62	85.14	163.48	133.47	30.01	1
1.47	252.74	86.00	166.75	135.74	31.01	1
1.43	256.86	86.85	170.02	138.00	32.02	1
1.40	260.97	87.69	173.28	140.25	33.03	1
1.36	265.08	88.53	176.55	142.50	34.05	1
1.32	269.18	89.37	179.82	144.74	35.08	1
1.29	273.28	90.20	183.09	146.98	36.11	1
1.25	277.37	91.02	186.35	149.21	37.14	1
1.22	281.46	91.85	189.62	151.44	38.17	1
1.18	285.55	92.67	192.88	153.67	39.21	1
1.15	289.63	93.49	196.14	155.89	40.25	1
1.11	293.70	94.31	199.39	158.10	41.29	1
1.07	297.77	95.12	202.65	160.31	42.34	1
1.04	301.83	95.94	205.90	162.52	43.38	1
1.00	305.89	96.75	209.14	164.72	44.42	1
0.97	309.95	97.57	212.38	166.92	45.47	1
0.93	314.00	98.38	215.62	169.11	46.51	1
0.90	318.05	99.20	218.85	171.29	47.55	1
0.86	322.09	100.04	222.05	173.48	48.57	1
0.83	326.12	101.68	224.44	175.65	48.79	1
0.79	330.16	103.32	226.83	177.83	49.01	1
0.76	334.18	104.97	229.21	179.99	49.22	1
0.72	338.21	106.62	231.58	182.16	49.43	1
0.69	342.22	108.28	233.95	184.32	49.63	1
0.66	346.24	109.94	236.30	186.47	49.83	1
0.66	346.24	109.94	236.30	186.47	49.83	1
0.64	348.46	110.86	237.61	187.66	49.94	1
0.62	350.69	111.78	238.91	188.86	50.05	1
0.60	352.91	112.71	240.21	190.05	50.16	1
0.58	355.14	113.63	241.50	191.24	50.26	1
0.56	357.36	114.56	242.80	192.43	50.37	1
0.54	359.58	115.49	244.09	193.62	50.47	1
0.52	361.80	116.42	245.38	194.80	50.58	1
0.50	364.01	117.35	246.66	195.99	50.68	1
0.48	366.23	118.29	247.94	197.17	50.77	1
0.47	368.44	119.22	249.22	198.35	50.87	1
0.45	370.66	120.16	250.50	199.53	50.97	1
0.43	372.87	121.10	251.77	200.71	51.06	1
0.41	375.08	122.04	253.04	201.88	51.15	1
0.39	377.28	122.98	254.30	203.06	51.24	1
0.37	379.49	123.93	255.56	204.23	51.33	1
0.35	381.70	124.87	256.82	205.40	51.42	1
0.33	383.90	125.82	258.08	206.57	51.51	1
0.31	386.10	126.77	259.33	207.74	51.59	1
0.30	388.30	127.72	260.58	208.91	51.67	1
0.28	390.50	128.67	261.83	210.08	51.75	1
0.26	392.70	129.63	263.07	211.24	51.83	1
0.24	394.89	130.58	264.31	212.40	51.91	1
0.22	397.09	131.54	265.55	213.57	51.98	1
0.20	399.28	132.50	266.78	214.73	52.05	1
0.18	401.47	133.46	268.01	215.88	52.13	1
0.17	403.66	134.42	269.24	217.04	52.20	1
0.15	405.85	135.39	270.46	218.20	52.26	1
0.13	408.04	136.36	271.68	219.35	52.33	1

			B445.pso			
0.11	410.22	137.33	272.90	220.50	52.39	1
0.09	412.40	138.30	274.11	221.65	52.45	1
0.07	414.59	139.27	275.32	222.80	52.51	1
0.06	416.77	140.24	276.52	223.95	52.57	1
0.04	418.95	141.22	277.73	225.10	52.63	1
0.02	421.12	142.20	278.93	226.24	52.68	1
0.00	423.30	143.18	280.12	227.38	52.74	1

Time = 730. Degree of Consolidation = 98.%

Total Settlement = 9.161

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 730. = 9.105

Settlement caused by Secondary Compression at time 730. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.09

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	3.76	1.79	6.25	1.75	1.75	1
12.96	3.75	1.79	6.25	1.75	1.75	1
12.91	3.73	1.78	6.25	1.75	1.75	1
12.87	3.71	1.78	6.25	1.75	1.75	1
12.83	3.70	1.77	6.25	1.75	1.75	1
12.79	3.68	1.76	6.25	1.75	1.75	1
12.74	3.66	1.76	6.25	1.75	1.75	1
12.70	3.65	1.75	6.25	1.75	1.75	1
12.66	3.63	1.75	6.25	1.75	1.75	1
12.61	3.62	1.74	6.25	1.75	1.75	1
12.57	3.60	1.73	6.25	1.75	1.75	1
12.53	3.58	1.73	6.25	1.75	1.75	1
12.49	3.57	1.72	6.25	1.72	1.72	1
12.44	3.55	1.72	6.25	1.71	1.71	1
12.40	3.53	1.71	6.25	1.70	1.70	1
12.36	3.52	1.70	6.25	1.68	1.68	1
12.31	3.50	1.70	6.25	1.67	1.67	1
12.27	3.49	1.69	6.25	1.65	1.65	1
12.23	3.47	1.69	6.25	1.64	1.64	1
12.19	3.46	1.68	6.25	1.62	1.62	1
12.14	3.44	1.67	6.25	1.61	1.61	1
12.10	3.42	1.67	6.25	1.60	1.59	1
12.06	3.41	1.66	6.25	1.59	1.58	1
12.01	3.39	1.66	6.25	1.57	1.57	1
11.97	3.38	1.65	6.25	1.56	1.55	1
11.93	3.36	1.65	6.25	1.55	1.54	1
11.89	3.35	1.64	6.25	1.54	1.52	1
11.84	3.33	1.63	6.25	1.53	1.51	1
11.80	3.32	1.63	6.25	1.52	1.50	1
11.76	3.30	1.62	6.25	1.51	1.49	1
11.71	3.29	1.62	6.25	1.50	1.48	1

			B445.pso			
11.67	3.27	1.61	6.25	1.49	1.48	1
11.63	3.26	1.60	6.25	1.48	1.47	1
11.59	3.25	1.60	6.25	1.47	1.46	1
11.54	3.23	1.59	6.25	1.46	1.46	1
11.50	3.22	1.59	6.25	1.46	1.45	1
11.50	3.22	1.59	6.25	1.46	1.45	1
11.37	3.17	1.57	6.25	1.43	1.43	1
11.24	3.13	1.55	6.25	1.41	1.41	1
11.11	3.09	1.53	6.25	1.39	1.39	1
10.99	3.05	1.52	6.25	1.37	1.37	1
10.86	3.00	1.50	6.25	1.35	1.35	1
10.73	2.96	1.48	6.25	1.33	1.33	1
10.60	2.92	1.46	6.25	1.31	1.31	1
10.47	2.88	1.44	6.25	1.30	1.29	1
10.34	2.84	1.43	6.25	1.28	1.27	1
10.21	2.80	1.41	6.25	1.27	1.25	1
10.09	2.76	1.39	6.25	1.25	1.23	1
9.96	2.72	1.37	6.25	1.24	1.22	1
9.83	2.68	1.36	6.25	1.23	1.21	1
9.70	2.64	1.34	6.25	1.22	1.20	1
9.57	2.60	1.32	6.25	1.21	1.19	1
9.44	2.56	1.30	6.25	1.20	1.18	1
9.31	2.52	1.28	6.25	1.18	1.17	1
9.19	2.48	1.27	6.25	1.17	1.16	1
9.06	2.45	1.25	6.25	1.17	1.15	1
8.93	2.41	1.23	6.25	1.16	1.14	1
8.80	2.37	1.21	6.25	1.15	1.13	1
8.67	2.33	1.20	6.25	1.14	1.12	1
8.54	2.29	1.18	6.25	1.13	1.11	1
8.41	2.26	1.16	6.25	1.12	1.10	1
8.29	2.22	1.14	6.25	1.11	1.09	1
8.16	2.18	1.13	6.25	1.11	1.08	1
8.03	2.14	1.11	6.25	1.10	1.07	1
7.90	2.11	1.09	6.25	1.09	1.07	1
7.77	2.07	1.07	6.25	1.08	1.06	1
7.64	2.03	1.05	6.25	1.08	1.05	1
7.51	2.00	1.04	6.25	1.07	1.04	1
7.39	1.96	1.02	6.25	1.06	1.03	1
7.26	1.92	1.00	6.25	1.06	1.02	1
7.13	1.89	0.98	6.25	1.05	1.01	1
7.00	1.85	0.97	6.25	1.05	1.00	1
7.00	1.85	0.97	6.25	1.05	1.00	1
6.87	1.81	0.95	6.25	1.04	0.99	1
6.74	1.78	0.93	6.25	1.03	0.98	1
6.61	1.74	0.91	6.25	1.03	0.97	1
6.49	1.71	0.89	6.25	1.02	0.96	1
6.36	1.67	0.88	6.25	1.02	0.96	1
6.23	1.63	0.86	6.25	1.01	0.95	1
6.10	1.60	0.84	6.25	1.01	0.95	1
5.97	1.56	0.82	6.25	1.00	0.95	1
5.84	1.53	0.81	6.25	1.00	0.94	1
5.71	1.49	0.79	6.25	0.99	0.94	1
5.59	1.46	0.77	6.25	0.99	0.93	1
5.46	1.42	0.75	6.25	0.98	0.93	1
5.33	1.39	0.73	6.25	0.98	0.92	1
5.20	1.35	0.72	6.25	0.97	0.92	1
5.07	1.32	0.70	6.25	0.97	0.91	1
4.94	1.28	0.68	6.25	0.96	0.91	1
4.81	1.25	0.66	6.25	0.96	0.90	1
4.69	1.21	0.65	6.25	0.95	0.90	1
4.56	1.18	0.63	6.25	0.95	0.89	1
4.43	1.14	0.61	6.25	0.94	0.89	1
4.30	1.11	0.59	6.25	0.94	0.88	1

B445.pso

4.17	1.07	0.58	6.25	0.93	0.88	1
4.04	1.04	0.56	6.25	0.93	0.87	1
3.91	1.01	0.54	6.25	0.93	0.87	1
3.79	0.97	0.52	6.25	0.92	0.86	1
3.66	0.94	0.50	6.25	0.92	0.86	1
3.53	0.90	0.49	6.25	0.91	0.85	1
3.40	0.87	0.47	6.25	0.91	0.85	1
3.27	0.84	0.45	6.25	0.90	0.84	1
3.14	0.80	0.43	6.25	0.90	0.84	1
3.01	0.77	0.42	6.25	0.90	0.83	1
2.89	0.73	0.40	6.25	0.89	0.83	1
2.76	0.70	0.38	6.25	0.89	0.82	1
2.63	0.67	0.36	6.25	0.88	0.82	1
2.50	0.63	0.34	6.25	0.88	0.81	1
2.50	0.63	0.34	6.25	0.88	0.81	1
2.43	0.62	0.33	6.25	0.88	0.81	1
2.36	0.60	0.33	6.25	0.87	0.81	1
2.29	0.58	0.32	6.25	0.87	0.81	1
2.21	0.56	0.31	6.25	0.87	0.80	1
2.14	0.54	0.30	6.25	0.87	0.80	1
2.07	0.52	0.29	6.25	0.87	0.80	1
2.00	0.51	0.28	6.25	0.86	0.80	1
1.93	0.49	0.27	6.25	0.86	0.79	1
1.86	0.47	0.26	6.25	0.86	0.79	1
1.79	0.45	0.25	6.25	0.86	0.79	1
1.71	0.43	0.24	6.25	0.85	0.79	1
1.64	0.41	0.23	6.25	0.85	0.78	1
1.57	0.40	0.22	6.25	0.85	0.78	1
1.50	0.38	0.21	6.25	0.85	0.78	1
1.43	0.36	0.20	6.25	0.85	0.77	1
1.36	0.34	0.19	6.25	0.84	0.77	1
1.29	0.32	0.18	6.25	0.84	0.77	1
1.21	0.30	0.17	6.25	0.84	0.77	1
1.14	0.29	0.16	6.25	0.84	0.76	1
1.07	0.27	0.15	6.25	0.83	0.76	1
1.00	0.25	0.14	6.25	0.83	0.76	1
0.93	0.23	0.13	6.25	0.83	0.76	1
0.86	0.21	0.12	6.25	0.83	0.75	1
0.79	0.20	0.11	6.25	0.83	0.75	1
0.71	0.18	0.10	6.25	0.82	0.75	1
0.64	0.16	0.09	6.25	0.82	0.74	1
0.57	0.14	0.08	6.25	0.82	0.74	1
0.50	0.12	0.07	6.25	0.82	0.74	1
0.43	0.11	0.06	6.25	0.81	0.74	1
0.36	0.09	0.05	6.25	0.81	0.73	1
0.29	0.07	0.04	6.25	0.81	0.73	1
0.21	0.05	0.03	6.25	0.81	0.73	1
0.14	0.04	0.02	6.25	0.81	0.73	1
0.07	0.02	0.01	6.25	0.80	0.72	1
0.00	0.00	0.00	6.25	0.80	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.76	0.00	0.00	0.00	0.00	0.00	1
3.75	1.27	1.27	0.00	0.00	0.00	1
3.73	2.53	2.53	0.00	0.00	0.00	1
3.71	3.80	3.80	0.00	0.00	0.00	1
3.70	5.06	5.06	0.00	0.00	0.00	1
3.68	6.33	6.33	0.00	0.00	0.00	1
3.66	7.60	7.60	0.00	0.00	0.00	1
3.65	8.86	8.86	0.00	0.00	0.00	1

			B445.pso			
3.63	10.13	10.13	0.00	0.00	0.00	1
3.62	11.40	11.40	0.00	0.00	0.00	1
3.60	12.66	12.66	0.00	0.00	0.00	1
3.58	13.93	13.93	0.00	0.00	0.00	1
3.57	15.38	15.38	0.00	0.00	0.00	1
3.55	17.00	16.00	1.00	1.00	0.00	1
3.53	18.62	16.62	2.00	2.00	0.00	1
3.52	20.23	17.24	2.99	2.99	0.00	1
3.50	21.83	17.86	3.98	3.98	0.00	1
3.49	23.43	18.48	4.96	4.96	0.00	1
3.47	25.03	19.08	5.94	5.93	0.01	1
3.46	26.62	19.67	6.95	6.90	0.04	1
3.44	28.20	20.24	7.96	7.87	0.09	1
3.42	29.79	20.79	9.00	8.83	0.16	1
3.41	31.36	21.32	10.04	9.79	0.25	1
3.39	32.93	21.83	11.10	10.74	0.36	1
3.38	34.50	22.33	12.17	11.69	0.48	1
3.36	36.06	22.81	13.25	12.63	0.62	1
3.35	37.62	23.28	14.34	13.57	0.77	1
3.33	39.18	23.74	15.44	14.50	0.93	1
3.32	40.73	24.18	16.55	15.43	1.11	1
3.30	42.27	24.61	17.66	16.36	1.30	1
3.29	43.82	25.06	18.76	17.29	1.47	1
3.27	45.36	25.93	19.43	18.21	1.22	1
3.26	46.89	26.77	20.12	19.12	1.00	1
3.25	48.43	27.58	20.85	20.04	0.82	1
3.23	49.96	28.35	21.61	20.95	0.66	1
3.22	51.48	29.10	22.39	21.85	0.53	1
3.22	51.48	29.10	22.39	21.85	0.53	1
3.17	56.05	31.33	24.71	24.56	0.15	1
3.13	60.58	33.35	27.24	27.24	0.00	1
3.09	65.10	35.21	29.89	29.89	0.00	1
3.05	69.59	37.07	32.52	32.52	0.00	1
3.00	74.06	38.93	35.14	35.14	0.00	1
2.96	78.51	40.67	37.84	37.73	0.12	1
2.92	82.94	42.28	40.66	40.29	0.36	1
2.88	87.35	43.79	43.56	42.85	0.72	1
2.84	91.74	45.19	46.55	45.38	1.17	1
2.80	96.12	46.52	49.60	47.90	1.70	1
2.76	100.48	47.77	52.71	50.40	2.31	1
2.72	104.82	48.96	55.87	52.89	2.98	1
2.68	109.16	50.19	58.97	55.36	3.61	1
2.64	113.48	52.44	61.03	57.82	3.21	1
2.60	117.78	54.61	63.17	60.27	2.91	1
2.56	122.08	56.69	65.39	62.70	2.69	1
2.52	126.36	58.69	67.67	65.12	2.55	1
2.48	130.63	60.62	70.02	67.54	2.48	1
2.45	134.89	62.47	72.42	69.94	2.48	1
2.41	139.14	64.26	74.88	72.33	2.55	1
2.37	143.38	65.99	77.39	74.71	2.68	1
2.33	147.61	67.66	79.95	77.08	2.87	1
2.29	151.83	69.27	82.56	79.44	3.12	1
2.26	156.04	70.83	85.21	81.79	3.42	1
2.22	160.24	72.35	87.90	84.14	3.76	1
2.18	164.44	73.81	90.63	86.47	4.15	1
2.14	168.62	75.24	93.39	88.80	4.59	1
2.11	172.80	76.62	96.19	91.12	5.07	1
2.07	176.97	77.96	99.01	93.43	5.58	1
2.03	181.13	79.27	101.87	95.73	6.14	1
2.00	185.29	80.54	104.75	98.03	6.72	1
1.96	189.44	81.78	107.66	100.32	7.34	1
1.92	193.58	82.99	110.59	102.60	7.99	1
1.89	197.71	84.17	113.54	104.87	8.67	1

			B445.pso			
1.85	201.84	85.32	116.51	107.14	9.38	1
1.85	201.84	85.32	116.51	107.14	9.38	1
1.81	205.96	86.48	119.48	109.40	10.08	1
1.78	210.07	87.60	122.47	111.65	10.81	1
1.74	214.18	88.71	125.47	113.90	11.57	1
1.71	218.28	89.79	128.49	116.14	12.34	1
1.67	222.37	90.86	131.52	118.38	13.14	1
1.63	226.46	91.90	134.56	120.61	13.95	1
1.60	230.55	92.92	137.62	122.83	14.79	1
1.56	234.62	93.93	140.69	125.05	15.64	1
1.53	238.69	94.92	143.77	127.26	16.51	1
1.49	242.76	95.90	146.86	129.47	17.39	1
1.46	246.82	96.87	149.95	131.67	18.28	1
1.42	250.87	97.82	153.06	133.87	19.19	1
1.39	254.92	98.76	156.17	136.06	20.11	1
1.35	258.97	99.68	159.28	138.24	21.04	1
1.32	263.00	101.20	161.80	140.42	21.38	1
1.28	267.04	103.02	164.02	142.59	21.43	1
1.25	271.06	104.82	166.25	144.76	21.49	1
1.21	275.09	106.59	168.49	146.93	21.57	1
1.18	279.11	108.36	170.75	149.08	21.66	1
1.14	283.12	110.10	173.01	151.24	21.78	1
1.11	287.13	111.83	175.29	153.39	21.91	1
1.07	291.13	113.55	177.58	155.53	22.05	1
1.04	295.13	115.25	179.87	157.67	22.20	1
1.01	299.12	116.94	182.17	159.80	22.37	1
0.97	303.11	118.62	184.48	161.93	22.55	1
0.94	307.09	120.29	186.80	164.05	22.75	1
0.90	311.07	121.94	189.12	166.17	22.95	1
0.87	315.04	123.59	191.45	168.29	23.16	1
0.84	319.01	125.22	193.79	170.40	23.39	1
0.80	322.97	126.85	196.12	172.50	23.62	1
0.77	326.93	128.47	198.47	174.60	23.86	1
0.73	330.89	130.08	200.81	176.70	24.11	1
0.70	334.84	131.68	203.16	178.79	24.37	1
0.67	338.78	133.27	205.51	180.88	24.63	1
0.63	342.73	134.86	207.86	182.96	24.90	1
0.63	342.73	134.86	207.86	182.96	24.90	1
0.62	344.91	135.74	209.17	184.11	25.05	1
0.60	347.10	136.63	210.47	185.27	25.21	1
0.58	349.28	137.50	211.78	186.42	25.36	1
0.56	351.47	138.38	213.09	187.57	25.52	1
0.54	353.65	139.26	214.39	188.72	25.67	1
0.52	355.83	140.13	215.70	189.87	25.83	1
0.51	358.01	141.00	217.01	191.01	25.99	1
0.49	360.19	141.87	218.31	192.16	26.16	1
0.47	362.36	142.74	219.62	193.30	26.32	1
0.45	364.54	143.61	220.93	194.44	26.48	1
0.43	366.71	144.48	222.23	195.58	26.65	1
0.41	368.88	145.34	223.54	196.72	26.82	1
0.40	371.05	146.21	224.85	197.86	26.98	1
0.38	373.22	147.07	226.15	199.00	27.15	1
0.36	375.39	147.93	227.46	200.13	27.32	1
0.34	377.56	148.80	228.76	201.27	27.49	1
0.32	379.72	149.66	230.07	202.40	27.67	1
0.30	381.89	150.52	231.37	203.53	27.84	1
0.29	384.05	151.38	232.67	204.66	28.01	1
0.27	386.21	152.23	233.98	205.79	28.19	1
0.25	388.37	153.09	235.28	206.91	28.36	1
0.23	390.53	153.95	236.58	208.04	28.54	1
0.21	392.69	154.80	237.88	209.16	28.72	1
0.20	394.84	155.66	239.18	210.29	28.89	1
0.18	397.00	156.52	240.48	211.41	29.07	1

			B445.pso			
0.16	399.15	157.37	241.78	212.53	29.25	1
0.14	401.30	158.22	243.08	213.65	29.43	1
0.12	403.45	159.08	244.37	214.77	29.61	1
0.11	405.60	159.93	245.67	215.88	29.79	1
0.09	407.75	160.78	246.96	217.00	29.97	1
0.07	409.89	161.64	248.26	218.11	30.15	1
0.05	412.04	162.49	249.55	219.22	30.33	1
0.04	414.18	163.34	250.84	220.33	30.51	1
0.02	416.32	164.19	252.13	221.44	30.69	1
0.00	418.46	165.05	253.42	222.55	30.87	1

Time = 1095. Degree of Consolidation = 99.0%

Total Settlement = 9.239

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 1095. = 9.183

Settlement caused by Secondary Compression at time 1095. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 3.01

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	3.70	1.79	6.25	1.75	1.75	1
12.96	3.69	1.79	6.25	1.75	1.75	1
12.91	3.67	1.78	6.25	1.75	1.75	1
12.87	3.66	1.78	6.25	1.75	1.75	1
12.83	3.64	1.77	6.25	1.75	1.75	1
12.79	3.62	1.76	6.25	1.75	1.75	1
12.74	3.61	1.76	6.25	1.75	1.75	1
12.70	3.59	1.75	6.25	1.75	1.75	1
12.66	3.57	1.75	6.25	1.75	1.75	1
12.61	3.56	1.74	6.25	1.75	1.75	1
12.57	3.54	1.73	6.25	1.75	1.75	1
12.53	3.53	1.73	6.25	1.75	1.75	1
12.49	3.51	1.72	6.25	1.72	1.72	1
12.44	3.49	1.72	6.25	1.71	1.71	1
12.40	3.48	1.71	6.25	1.70	1.70	1
12.36	3.46	1.70	6.25	1.68	1.68	1
12.31	3.45	1.70	6.25	1.67	1.67	1
12.27	3.43	1.69	6.25	1.65	1.65	1
12.23	3.41	1.69	6.25	1.64	1.64	1
12.19	3.40	1.68	6.25	1.62	1.62	1
12.14	3.38	1.67	6.25	1.61	1.61	1
12.10	3.37	1.67	6.25	1.60	1.59	1
12.06	3.35	1.66	6.25	1.59	1.58	1
12.01	3.34	1.66	6.25	1.57	1.57	1
11.97	3.32	1.65	6.25	1.56	1.55	1
11.93	3.31	1.65	6.25	1.55	1.54	1
11.89	3.29	1.64	6.25	1.54	1.52	1
11.84	3.28	1.63	6.25	1.53	1.51	1

			B445.pso			
11.80	3.26	1.63	6.25	1.52	1.50	1
11.76	3.25	1.62	6.25	1.51	1.49	1
11.71	3.23	1.62	6.25	1.50	1.48	1
11.67	3.22	1.61	6.25	1.49	1.48	1
11.63	3.20	1.60	6.25	1.48	1.47	1
11.59	3.19	1.60	6.25	1.47	1.46	1
11.54	3.17	1.59	6.25	1.46	1.46	1
11.50	3.16	1.59	6.25	1.46	1.45	1
11.50	3.16	1.59	6.25	1.46	1.45	1
11.37	3.12	1.57	6.25	1.43	1.43	1
11.24	3.07	1.55	6.25	1.41	1.41	1
11.11	3.03	1.53	6.25	1.39	1.39	1
10.99	2.99	1.52	6.25	1.37	1.37	1
10.86	2.95	1.50	6.25	1.35	1.35	1
10.73	2.91	1.48	6.25	1.33	1.33	1
10.60	2.86	1.46	6.25	1.31	1.31	1
10.47	2.82	1.44	6.25	1.29	1.29	1
10.34	2.78	1.43	6.25	1.28	1.27	1
10.21	2.74	1.41	6.25	1.26	1.25	1
10.09	2.70	1.39	6.25	1.25	1.23	1
9.96	2.66	1.37	6.25	1.23	1.22	1
9.83	2.62	1.36	6.25	1.22	1.21	1
9.70	2.58	1.34	6.25	1.21	1.20	1
9.57	2.54	1.32	6.25	1.20	1.19	1
9.44	2.51	1.30	6.25	1.18	1.18	1
9.31	2.47	1.28	6.25	1.17	1.17	1
9.19	2.43	1.27	6.25	1.16	1.16	1
9.06	2.39	1.25	6.25	1.15	1.15	1
8.93	2.35	1.23	6.25	1.14	1.14	1
8.80	2.31	1.21	6.25	1.13	1.13	1
8.67	2.28	1.20	6.25	1.12	1.12	1
8.54	2.24	1.18	6.25	1.11	1.11	1
8.41	2.20	1.16	6.25	1.10	1.10	1
8.29	2.16	1.14	6.25	1.09	1.09	1
8.16	2.13	1.13	6.25	1.09	1.08	1
8.03	2.09	1.11	6.25	1.08	1.07	1
7.90	2.05	1.09	6.25	1.07	1.07	1
7.77	2.02	1.07	6.25	1.06	1.06	1
7.64	1.98	1.05	6.25	1.05	1.05	1
7.51	1.94	1.04	6.25	1.04	1.04	1
7.39	1.91	1.02	6.25	1.04	1.03	1
7.26	1.87	1.00	6.25	1.03	1.02	1
7.13	1.84	0.98	6.25	1.02	1.01	1
7.00	1.80	0.97	6.25	1.01	1.00	1
7.00	1.80	0.97	6.25	1.01	1.00	1
6.87	1.77	0.95	6.25	1.01	0.99	1
6.74	1.73	0.93	6.25	1.00	0.98	1
6.61	1.69	0.91	6.25	0.99	0.97	1
6.49	1.66	0.89	6.25	0.98	0.96	1
6.36	1.62	0.88	6.25	0.98	0.96	1
6.23	1.59	0.86	6.25	0.97	0.95	1
6.10	1.55	0.84	6.25	0.97	0.95	1
5.97	1.52	0.82	6.25	0.96	0.95	1
5.84	1.48	0.81	6.25	0.95	0.94	1
5.71	1.45	0.79	6.25	0.95	0.94	1
5.59	1.42	0.77	6.25	0.94	0.93	1
5.46	1.38	0.75	6.25	0.94	0.93	1
5.33	1.35	0.73	6.25	0.93	0.92	1
5.20	1.31	0.72	6.25	0.92	0.92	1
5.07	1.28	0.70	6.25	0.92	0.91	1
4.94	1.24	0.68	6.25	0.91	0.91	1
4.81	1.21	0.66	6.25	0.91	0.90	1
4.69	1.18	0.65	6.25	0.90	0.90	1

B445.pso

4.56	1.14	0.63	6.25	0.90	0.89	1
4.43	1.11	0.61	6.25	0.89	0.89	1
4.30	1.08	0.59	6.25	0.89	0.88	1
4.17	1.04	0.58	6.25	0.88	0.88	1
4.04	1.01	0.56	6.25	0.88	0.87	1
3.91	0.98	0.54	6.25	0.87	0.87	1
3.79	0.94	0.52	6.25	0.87	0.86	1
3.66	0.91	0.50	6.25	0.86	0.86	1
3.53	0.88	0.49	6.25	0.86	0.85	1
3.40	0.84	0.47	6.25	0.85	0.85	1
3.27	0.81	0.45	6.25	0.85	0.84	1
3.14	0.78	0.43	6.25	0.85	0.84	1
3.01	0.75	0.42	6.25	0.84	0.83	1
2.89	0.71	0.40	6.25	0.84	0.83	1
2.76	0.68	0.38	6.25	0.83	0.82	1
2.63	0.65	0.36	6.25	0.83	0.82	1
2.50	0.62	0.34	6.25	0.82	0.81	1
2.50	0.62	0.34	6.25	0.82	0.81	1
2.43	0.60	0.33	6.25	0.82	0.81	1
2.36	0.58	0.33	6.25	0.82	0.81	1
2.29	0.56	0.32	6.25	0.82	0.81	1
2.21	0.54	0.31	6.25	0.81	0.80	1
2.14	0.53	0.30	6.25	0.81	0.80	1
2.07	0.51	0.29	6.25	0.81	0.80	1
2.00	0.49	0.28	6.25	0.81	0.80	1
1.93	0.47	0.27	6.25	0.81	0.79	1
1.86	0.45	0.26	6.25	0.80	0.79	1
1.79	0.44	0.25	6.25	0.80	0.79	1
1.71	0.42	0.24	6.25	0.80	0.79	1
1.64	0.40	0.23	6.25	0.80	0.78	1
1.57	0.38	0.22	6.25	0.79	0.78	1
1.50	0.37	0.21	6.25	0.79	0.78	1
1.43	0.35	0.20	6.25	0.79	0.77	1
1.36	0.33	0.19	6.25	0.79	0.77	1
1.29	0.31	0.18	6.25	0.79	0.77	1
1.21	0.30	0.17	6.25	0.78	0.77	1
1.14	0.28	0.16	6.25	0.78	0.76	1
1.07	0.26	0.15	6.25	0.78	0.76	1
1.00	0.24	0.14	6.25	0.78	0.76	1
0.93	0.23	0.13	6.25	0.78	0.76	1
0.86	0.21	0.12	6.25	0.77	0.75	1
0.79	0.19	0.11	6.25	0.77	0.75	1
0.71	0.17	0.10	6.25	0.77	0.75	1
0.64	0.16	0.09	6.25	0.77	0.74	1
0.57	0.14	0.08	6.25	0.77	0.74	1
0.50	0.12	0.07	6.25	0.76	0.74	1
0.43	0.10	0.06	6.25	0.76	0.74	1
0.36	0.09	0.05	6.25	0.76	0.73	1
0.29	0.07	0.04	6.25	0.76	0.73	1
0.21	0.05	0.03	6.25	0.76	0.73	1
0.14	0.03	0.02	6.25	0.75	0.73	1
0.07	0.02	0.01	6.25	0.75	0.72	1
0.00	0.00	0.00	6.25	0.75	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.70	0.00	0.00	0.00	0.00	0.00	1
3.69	1.27	1.27	0.00	0.00	0.00	1
3.67	2.53	2.53	0.00	0.00	0.00	1
3.66	3.80	3.80	0.00	0.00	0.00	1
3.64	5.06	5.06	0.00	0.00	0.00	1

			B445.pso			
3.62	6.33	6.33	0.00	0.00	0.00	1
3.61	7.60	7.60	0.00	0.00	0.00	1
3.59	8.86	8.86	0.00	0.00	0.00	1
3.57	10.13	10.13	0.00	0.00	0.00	1
3.56	11.40	11.40	0.00	0.00	0.00	1
3.54	12.66	12.66	0.00	0.00	0.00	1
3.53	13.93	13.93	0.00	0.00	0.00	1
3.51	15.38	15.38	0.00	0.00	0.00	1
3.49	17.00	16.00	1.00	1.00	0.00	1
3.48	18.62	16.62	2.00	2.00	0.00	1
3.46	20.23	17.24	2.99	2.99	0.00	1
3.45	21.83	17.86	3.98	3.98	0.00	1
3.43	23.43	18.48	4.96	4.96	0.00	1
3.41	25.03	19.08	5.94	5.93	0.01	1
3.40	26.62	19.67	6.95	6.90	0.04	1
3.38	28.20	20.24	7.96	7.87	0.09	1
3.37	29.79	20.79	9.00	8.83	0.16	1
3.35	31.36	21.32	10.04	9.79	0.25	1
3.34	32.93	21.83	11.10	10.74	0.36	1
3.32	34.50	22.33	12.17	11.69	0.48	1
3.31	36.06	22.81	13.25	12.63	0.62	1
3.29	37.62	23.28	14.34	13.57	0.77	1
3.28	39.18	23.74	15.44	14.50	0.93	1
3.26	40.73	24.18	16.55	15.43	1.11	1
3.25	42.27	24.61	17.66	16.36	1.30	1
3.23	43.82	25.06	18.76	17.29	1.47	1
3.22	45.36	25.93	19.43	18.21	1.22	1
3.20	46.89	26.77	20.12	19.12	1.00	1
3.19	48.43	27.58	20.85	20.04	0.82	1
3.17	49.96	28.35	21.61	20.95	0.66	1
3.16	51.48	29.10	22.39	21.85	0.53	1
3.16	51.48	29.10	22.39	21.85	0.53	1
3.12	56.05	31.33	24.71	24.56	0.15	1
3.07	60.58	33.35	27.24	27.24	0.00	1
3.03	65.10	35.21	29.89	29.89	0.00	1
2.99	69.59	37.07	32.52	32.52	0.00	1
2.95	74.06	38.93	35.14	35.14	0.00	1
2.91	78.51	40.78	37.73	37.72	0.01	1
2.86	82.94	42.49	40.44	40.29	0.15	1
2.82	87.34	44.09	43.25	42.84	0.41	1
2.78	91.73	45.59	46.14	45.37	0.77	1
2.74	96.10	47.00	49.10	47.88	1.22	1
2.70	100.46	48.34	52.12	50.38	1.74	1
2.66	104.80	49.61	55.19	52.86	2.33	1
2.62	109.12	51.71	57.41	55.32	2.08	1
2.58	113.43	54.13	59.30	57.77	1.52	1
2.54	117.73	56.46	61.27	60.21	1.06	1
2.51	122.01	58.69	63.32	62.63	0.69	1
2.47	126.28	60.84	65.44	65.05	0.40	1
2.43	130.54	62.90	67.64	67.44	0.19	1
2.39	134.79	64.89	69.89	69.83	0.06	1
2.35	139.02	66.81	72.21	72.21	0.00	1
2.31	143.25	68.67	74.57	74.57	0.00	1
2.28	147.46	70.53	76.93	76.93	0.00	1
2.24	151.66	72.39	79.27	79.27	0.00	1
2.20	155.86	74.25	81.61	81.61	0.00	1
2.16	160.04	76.08	83.95	83.93	0.02	1
2.13	164.21	77.86	86.35	86.24	0.11	1
2.09	168.37	79.58	88.79	88.54	0.24	1
2.05	172.52	81.26	91.27	90.84	0.43	1
2.02	176.66	82.88	93.78	93.12	0.66	1
1.98	180.80	84.46	96.34	95.39	0.94	1
1.94	184.92	86.00	98.92	97.66	1.26	1

1.91	189.04	87.49	101.54	99.92	1.63	1
1.87	193.14	88.95	104.19	102.16	2.03	1
1.84	197.24	90.37	106.87	104.40	2.47	1
1.80	201.33	91.76	109.57	106.63	2.94	1
1.80	201.33	91.76	109.57	106.63	2.94	1
1.77	205.42	93.15	112.27	108.86	3.41	1
1.73	209.49	94.50	114.99	111.07	3.92	1
1.69	213.56	95.83	117.73	113.28	4.45	1
1.66	217.62	97.12	120.49	115.48	5.01	1
1.62	221.67	98.40	123.27	117.67	5.60	1
1.59	225.71	99.64	126.07	119.86	6.21	1
1.55	229.75	101.73	128.02	122.04	5.98	1
1.52	233.78	104.13	129.65	124.21	5.44	1
1.48	237.80	106.49	131.32	126.37	4.94	1
1.45	241.82	108.80	133.02	128.53	4.49	1
1.42	245.83	111.07	134.76	130.68	4.07	1
1.38	249.84	113.31	136.53	132.83	3.70	1
1.35	253.83	115.50	138.33	134.97	3.37	1
1.31	257.83	117.66	140.17	137.10	3.07	1
1.28	261.81	119.78	142.03	139.23	2.81	1
1.24	265.79	121.87	143.92	141.35	2.58	1
1.21	269.76	123.92	145.84	143.46	2.38	1
1.18	273.73	125.94	147.79	145.57	2.22	1
1.14	277.69	127.93	149.76	147.67	2.09	1
1.11	281.65	129.89	151.76	149.77	1.99	1
1.08	285.60	131.82	153.78	151.86	1.92	1
1.04	289.54	133.72	155.83	153.95	1.88	1
1.01	293.48	135.59	157.89	156.03	1.87	1
0.98	297.42	137.44	159.98	158.10	1.88	1
0.94	301.35	139.26	162.08	160.17	1.91	1
0.91	305.27	141.06	164.21	162.23	1.98	1
0.88	309.19	142.83	166.35	164.29	2.06	1
0.84	313.10	144.58	168.52	166.35	2.17	1
0.81	317.01	146.31	170.70	168.40	2.30	1
0.78	320.91	148.02	172.89	170.44	2.45	1
0.75	324.81	149.70	175.11	172.48	2.63	1
0.71	328.70	151.37	177.33	174.52	2.82	1
0.68	332.59	153.02	179.58	176.55	3.03	1
0.65	336.48	154.65	181.83	178.57	3.26	1
0.62	340.36	156.26	184.10	180.59	3.51	1
0.62	340.36	156.26	184.10	180.59	3.51	1
0.60	342.51	157.15	185.36	181.71	3.65	1
0.58	344.66	158.04	186.62	182.83	3.79	1
0.56	346.81	158.92	187.89	183.95	3.94	1
0.54	348.96	159.80	189.16	185.06	4.10	1
0.53	351.11	160.68	190.43	186.18	4.25	1
0.51	353.26	161.54	191.71	187.29	4.42	1
0.49	355.40	162.41	192.99	188.40	4.59	1
0.47	357.54	163.27	194.28	189.52	4.76	1
0.45	359.69	164.12	195.56	190.62	4.94	1
0.44	361.83	164.97	196.85	191.73	5.12	1
0.42	363.97	165.82	198.15	192.84	5.31	1
0.40	366.10	166.66	199.45	193.94	5.50	1
0.38	368.24	167.50	200.74	195.05	5.70	1
0.37	370.38	168.33	202.05	196.15	5.90	1
0.35	372.51	169.16	203.35	197.25	6.10	1
0.33	374.64	169.98	204.66	198.35	6.31	1
0.31	376.77	170.80	205.97	199.45	6.52	1
0.30	378.90	171.62	207.29	200.55	6.74	1
0.28	381.03	172.43	208.60	201.64	6.96	1
0.26	383.16	173.24	209.92	202.74	7.18	1
0.24	385.29	174.05	211.24	203.83	7.41	1
0.23	387.41	174.85	212.56	204.92	7.64	1

			B445.pso			
0.21	389.54	175.65	213.89	206.01	7.88	1
0.19	391.66	176.44	215.22	207.10	8.11	1
0.17	393.78	177.23	216.55	208.19	8.35	1
0.16	395.90	178.02	217.88	209.28	8.60	1
0.14	398.02	178.80	219.21	210.37	8.85	1
0.12	400.14	179.59	220.55	211.45	9.10	1
0.10	402.25	180.36	221.89	212.53	9.35	1
0.09	404.37	181.14	223.23	213.62	9.61	1
0.07	406.48	181.91	224.57	214.70	9.87	1
0.05	408.59	182.68	225.91	215.78	10.13	1
0.03	410.70	183.45	227.26	216.85	10.40	1
0.02	412.81	184.21	228.60	217.93	10.67	1
0.00	414.92	184.97	229.95	219.01	10.94	1

Time = 1825. Degree of Consolidation = 99.0%

Total Settlement = 9.295

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 1825. = 9.240

Settlement caused by Secondary Compression at time 1825. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 2.95

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	3.70	1.79	6.25	1.75	1.75	1
12.96	3.68	1.79	6.25	1.75	1.75	1
12.91	3.67	1.78	6.25	1.75	1.75	1
12.87	3.65	1.78	6.25	1.75	1.75	1
12.83	3.63	1.77	6.25	1.75	1.75	1
12.79	3.62	1.76	6.25	1.75	1.75	1
12.74	3.60	1.76	6.25	1.75	1.75	1
12.70	3.58	1.75	6.25	1.75	1.75	1
12.66	3.57	1.75	6.25	1.75	1.75	1
12.61	3.55	1.74	6.25	1.75	1.75	1
12.57	3.54	1.73	6.25	1.75	1.75	1
12.53	3.52	1.73	6.25	1.75	1.75	1
12.49	3.50	1.72	6.25	1.72	1.72	1
12.44	3.49	1.72	6.25	1.71	1.71	1
12.40	3.47	1.71	6.25	1.70	1.70	1
12.36	3.46	1.70	6.25	1.68	1.68	1
12.31	3.44	1.70	6.25	1.67	1.67	1
12.27	3.42	1.69	6.25	1.65	1.65	1
12.23	3.41	1.69	6.25	1.64	1.64	1
12.19	3.39	1.68	6.25	1.62	1.62	1
12.14	3.38	1.67	6.25	1.61	1.61	1
12.10	3.36	1.67	6.25	1.60	1.59	1
12.06	3.35	1.66	6.25	1.59	1.58	1
12.01	3.33	1.66	6.25	1.57	1.57	1
11.97	3.32	1.65	6.25	1.56	1.55	1

			B445.pso			
11.93	3.30	1.65	6.25	1.55	1.54	1
11.89	3.29	1.64	6.25	1.54	1.52	1
11.84	3.27	1.63	6.25	1.53	1.51	1
11.80	3.26	1.63	6.25	1.52	1.50	1
11.76	3.24	1.62	6.25	1.51	1.49	1
11.71	3.23	1.62	6.25	1.50	1.48	1
11.67	3.21	1.61	6.25	1.49	1.48	1
11.63	3.20	1.60	6.25	1.48	1.47	1
11.59	3.18	1.60	6.25	1.47	1.46	1
11.54	3.17	1.59	6.25	1.46	1.46	1
11.50	3.15	1.59	6.25	1.46	1.45	1
11.50	3.15	1.59	6.25	1.46	1.45	1
11.37	3.11	1.57	6.25	1.43	1.43	1
11.24	3.07	1.55	6.25	1.41	1.41	1
11.11	3.02	1.53	6.25	1.39	1.39	1
10.99	2.98	1.52	6.25	1.37	1.37	1
10.86	2.94	1.50	6.25	1.35	1.35	1
10.73	2.90	1.48	6.25	1.33	1.33	1
10.60	2.86	1.46	6.25	1.31	1.31	1
10.47	2.82	1.44	6.25	1.29	1.29	1
10.34	2.78	1.43	6.25	1.28	1.27	1
10.21	2.74	1.41	6.25	1.26	1.25	1
10.09	2.70	1.39	6.25	1.25	1.23	1
9.96	2.66	1.37	6.25	1.23	1.22	1
9.83	2.62	1.36	6.25	1.22	1.21	1
9.70	2.58	1.34	6.25	1.21	1.20	1
9.57	2.54	1.32	6.25	1.20	1.19	1
9.44	2.50	1.30	6.25	1.18	1.18	1
9.31	2.46	1.28	6.25	1.17	1.17	1
9.19	2.42	1.27	6.25	1.16	1.16	1
9.06	2.38	1.25	6.25	1.15	1.15	1
8.93	2.35	1.23	6.25	1.14	1.14	1
8.80	2.31	1.21	6.25	1.13	1.13	1
8.67	2.27	1.20	6.25	1.12	1.12	1
8.54	2.23	1.18	6.25	1.11	1.11	1
8.41	2.20	1.16	6.25	1.10	1.10	1
8.29	2.16	1.14	6.25	1.09	1.09	1
8.16	2.12	1.13	6.25	1.08	1.08	1
8.03	2.08	1.11	6.25	1.08	1.07	1
7.90	2.05	1.09	6.25	1.07	1.07	1
7.77	2.01	1.07	6.25	1.06	1.06	1
7.64	1.97	1.05	6.25	1.05	1.05	1
7.51	1.94	1.04	6.25	1.04	1.04	1
7.39	1.90	1.02	6.25	1.03	1.03	1
7.26	1.87	1.00	6.25	1.03	1.02	1
7.13	1.83	0.98	6.25	1.02	1.01	1
7.00	1.79	0.97	6.25	1.01	1.00	1
7.00	1.79	0.97	6.25	1.01	1.00	1
6.87	1.76	0.95	6.25	1.00	0.99	1
6.74	1.72	0.93	6.25	1.00	0.98	1
6.61	1.69	0.91	6.25	0.99	0.97	1
6.49	1.65	0.89	6.25	0.98	0.96	1
6.36	1.62	0.88	6.25	0.97	0.96	1
6.23	1.58	0.86	6.25	0.97	0.95	1
6.10	1.55	0.84	6.25	0.96	0.95	1
5.97	1.51	0.82	6.25	0.96	0.95	1
5.84	1.48	0.81	6.25	0.95	0.94	1
5.71	1.44	0.79	6.25	0.94	0.94	1
5.59	1.41	0.77	6.25	0.94	0.93	1
5.46	1.38	0.75	6.25	0.93	0.93	1
5.33	1.34	0.73	6.25	0.93	0.92	1
5.20	1.31	0.72	6.25	0.92	0.92	1
5.07	1.27	0.70	6.25	0.91	0.91	1

			B445.pso			
4.94	1.24	0.68	6.25	0.91	0.91	1
4.81	1.21	0.66	6.25	0.90	0.90	1
4.69	1.17	0.65	6.25	0.90	0.90	1
4.56	1.14	0.63	6.25	0.89	0.89	1
4.43	1.10	0.61	6.25	0.89	0.89	1
4.30	1.07	0.59	6.25	0.88	0.88	1
4.17	1.04	0.58	6.25	0.88	0.88	1
4.04	1.00	0.56	6.25	0.87	0.87	1
3.91	0.97	0.54	6.25	0.87	0.87	1
3.79	0.94	0.52	6.25	0.86	0.86	1
3.66	0.91	0.50	6.25	0.86	0.86	1
3.53	0.87	0.49	6.25	0.85	0.85	1
3.40	0.84	0.47	6.25	0.85	0.85	1
3.27	0.81	0.45	6.25	0.84	0.84	1
3.14	0.77	0.43	6.25	0.84	0.84	1
3.01	0.74	0.42	6.25	0.83	0.83	1
2.89	0.71	0.40	6.25	0.83	0.83	1
2.76	0.68	0.38	6.25	0.82	0.82	1
2.63	0.64	0.36	6.25	0.82	0.82	1
2.50	0.61	0.34	6.25	0.82	0.81	1
2.50	0.61	0.34	6.25	0.82	0.81	1
2.43	0.59	0.33	6.25	0.81	0.81	1
2.36	0.58	0.33	6.25	0.81	0.81	1
2.29	0.56	0.32	6.25	0.81	0.81	1
2.21	0.54	0.31	6.25	0.81	0.80	1
2.14	0.52	0.30	6.25	0.80	0.80	1
2.07	0.51	0.29	6.25	0.80	0.80	1
2.00	0.49	0.28	6.25	0.80	0.80	1
1.93	0.47	0.27	6.25	0.80	0.79	1
1.86	0.45	0.26	6.25	0.79	0.79	1
1.79	0.43	0.25	6.25	0.79	0.79	1
1.71	0.42	0.24	6.25	0.79	0.79	1
1.64	0.40	0.23	6.25	0.79	0.78	1
1.57	0.38	0.22	6.25	0.79	0.78	1
1.50	0.36	0.21	6.25	0.78	0.78	1
1.43	0.35	0.20	6.25	0.78	0.77	1
1.36	0.33	0.19	6.25	0.78	0.77	1
1.29	0.31	0.18	6.25	0.78	0.77	1
1.21	0.29	0.17	6.25	0.77	0.77	1
1.14	0.28	0.16	6.25	0.77	0.76	1
1.07	0.26	0.15	6.25	0.77	0.76	1
1.00	0.24	0.14	6.25	0.77	0.76	1
0.93	0.22	0.13	6.25	0.77	0.76	1
0.86	0.21	0.12	6.25	0.76	0.75	1
0.79	0.19	0.11	6.25	0.76	0.75	1
0.71	0.17	0.10	6.25	0.76	0.75	1
0.64	0.16	0.09	6.25	0.76	0.74	1
0.57	0.14	0.08	6.25	0.76	0.74	1
0.50	0.12	0.07	6.25	0.75	0.74	1
0.43	0.10	0.06	6.25	0.75	0.74	1
0.36	0.09	0.05	6.25	0.75	0.73	1
0.29	0.07	0.04	6.25	0.75	0.73	1
0.21	0.05	0.03	6.25	0.75	0.73	1
0.14	0.03	0.02	6.25	0.74	0.73	1
0.07	0.02	0.01	6.25	0.74	0.72	1
0.00	0.00	0.00	6.25	0.74	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
3.70	0.00	0.00	0.00	0.00	0.00	1
3.68	1.27	1.27	0.00	0.00	0.00	1

			B445.pso			
3.67	2.53	2.53	0.00	0.00	0.00	1
3.65	3.80	3.80	0.00	0.00	0.00	1
3.63	5.06	5.06	0.00	0.00	0.00	1
3.62	6.33	6.33	0.00	0.00	0.00	1
3.60	7.60	7.60	0.00	0.00	0.00	1
3.58	8.86	8.86	0.00	0.00	0.00	1
3.57	10.13	10.13	0.00	0.00	0.00	1
3.55	11.40	11.40	0.00	0.00	0.00	1
3.54	12.66	12.66	0.00	0.00	0.00	1
3.52	13.93	13.93	0.00	0.00	0.00	1
3.50	15.38	15.38	0.00	0.00	0.00	1
3.49	17.00	16.00	1.00	1.00	0.00	1
3.47	18.62	16.62	2.00	2.00	0.00	1
3.46	20.23	17.24	2.99	2.99	0.00	1
3.44	21.83	17.86	3.98	3.98	0.00	1
3.42	23.43	18.48	4.96	4.96	0.00	1
3.41	25.03	19.08	5.94	5.93	0.01	1
3.39	26.62	19.67	6.95	6.90	0.04	1
3.38	28.20	20.24	7.96	7.87	0.09	1
3.36	29.79	20.79	9.00	8.83	0.16	1
3.35	31.36	21.32	10.04	9.79	0.25	1
3.33	32.93	21.83	11.10	10.74	0.36	1
3.32	34.50	22.33	12.17	11.69	0.48	1
3.30	36.06	22.81	13.25	12.63	0.62	1
3.29	37.62	23.28	14.34	13.57	0.77	1
3.27	39.18	23.74	15.44	14.50	0.93	1
3.26	40.73	24.18	16.55	15.43	1.11	1
3.24	42.27	24.61	17.66	16.36	1.30	1
3.23	43.82	25.06	18.76	17.29	1.47	1
3.21	45.36	25.93	19.43	18.21	1.22	1
3.20	46.89	26.77	20.12	19.12	1.00	1
3.18	48.43	27.58	20.85	20.04	0.82	1
3.17	49.96	28.35	21.61	20.95	0.66	1
3.15	51.48	29.10	22.39	21.85	0.53	1
3.15	51.48	29.10	22.39	21.85	0.53	1
3.11	56.05	31.33	24.71	24.56	0.15	1
3.07	60.58	33.35	27.24	27.24	0.00	1
3.02	65.10	35.21	29.89	29.89	0.00	1
2.98	69.59	37.07	32.52	32.52	0.00	1
2.94	74.06	38.93	35.14	35.14	0.00	1
2.90	78.51	40.78	37.73	37.72	0.01	1
2.86	82.94	42.49	40.44	40.29	0.15	1
2.82	87.34	44.09	43.25	42.84	0.41	1
2.78	91.73	45.59	46.14	45.37	0.77	1
2.74	96.10	47.00	49.10	47.88	1.22	1
2.70	100.46	48.34	52.12	50.38	1.74	1
2.66	104.80	49.61	55.19	52.86	2.33	1
2.62	109.12	51.71	57.41	55.32	2.08	1
2.58	113.43	54.13	59.30	57.77	1.52	1
2.54	117.73	56.46	61.27	60.21	1.06	1
2.50	122.01	58.69	63.32	62.63	0.69	1
2.46	126.28	60.84	65.44	65.05	0.40	1
2.42	130.54	62.90	67.64	67.44	0.19	1
2.38	134.79	64.89	69.89	69.83	0.06	1
2.35	139.02	66.81	72.21	72.21	0.00	1
2.31	143.25	68.67	74.57	74.57	0.00	1
2.27	147.46	70.53	76.93	76.93	0.00	1
2.23	151.66	72.39	79.27	79.27	0.00	1
2.20	155.86	74.25	81.61	81.61	0.00	1
2.16	160.04	76.11	83.93	83.93	0.00	1
2.12	164.21	77.94	86.27	86.24	0.03	1
2.08	168.37	79.71	88.66	88.54	0.11	1
2.05	172.52	81.44	91.08	90.84	0.25	1

2.01	176.66	83.11	B445.pso	93.12	0.43	1
1.97	180.79	84.74	93.55	95.39	0.67	1
1.94	184.92	86.32	96.06	97.65	0.94	1
1.90	189.03	87.86	101.17	99.91	1.26	1
1.87	193.13	89.36	103.77	102.15	1.62	1
1.83	197.23	90.82	106.41	104.39	2.02	1
1.79	201.32	92.25	109.07	106.62	2.45	1
1.79	201.32	92.25	109.07	106.62	2.45	1
1.76	205.40	93.67	111.72	108.84	2.88	1
1.72	209.47	95.07	114.40	111.05	3.35	1
1.69	213.53	96.43	117.10	113.26	3.84	1
1.65	217.59	97.77	119.82	115.45	4.37	1
1.62	221.64	99.07	122.56	117.64	4.92	1
1.58	225.68	100.70	124.98	119.82	5.15	1
1.55	229.71	103.21	126.50	122.00	4.50	1
1.51	233.74	105.67	128.07	124.17	3.91	1
1.48	237.76	108.07	129.68	126.33	3.36	1
1.44	241.77	110.44	131.33	128.48	2.85	1
1.41	245.77	112.75	133.02	130.63	2.39	1
1.38	249.77	115.03	134.74	132.77	1.98	1
1.34	253.77	117.26	136.51	134.90	1.61	1
1.31	257.75	119.45	138.30	137.03	1.28	1
1.27	261.73	121.60	140.14	139.15	0.99	1
1.24	265.71	123.70	142.00	141.26	0.74	1
1.21	269.67	125.78	143.90	143.37	0.53	1
1.17	273.64	127.81	145.83	145.47	0.35	1
1.14	277.59	129.81	147.78	147.57	0.21	1
1.10	281.54	131.77	149.77	149.66	0.11	1
1.07	285.49	133.70	151.79	151.75	0.04	1
1.04	289.43	135.59	153.83	153.83	0.00	1
1.00	293.36	137.46	155.90	155.90	0.00	1
0.97	297.29	139.32	157.97	157.97	0.00	1
0.94	301.21	141.18	160.04	160.04	0.00	1
0.91	305.13	143.03	162.10	162.10	0.00	1
0.87	309.04	144.89	164.15	164.15	0.00	1
0.84	312.95	146.75	166.20	166.20	0.00	1
0.81	316.85	148.61	168.24	168.24	0.00	1
0.77	320.75	150.45	170.30	170.28	0.02	1
0.74	324.64	152.26	172.38	172.31	0.07	1
0.71	328.53	154.05	174.48	174.34	0.14	1
0.68	332.41	155.81	176.60	176.36	0.24	1
0.64	336.28	157.54	178.74	178.38	0.37	1
0.61	340.15	159.25	180.91	180.39	0.52	1
0.61	340.15	159.25	180.91	180.39	0.52	1
0.59	342.30	160.20	182.11	181.50	0.60	1
0.58	344.45	161.14	183.31	182.62	0.70	1
0.56	346.60	162.07	184.53	183.73	0.79	1
0.54	348.74	163.00	185.74	184.84	0.90	1
0.52	350.88	163.92	186.97	185.95	1.02	1
0.51	353.02	164.83	188.20	187.06	1.14	1
0.49	355.16	165.73	189.43	188.17	1.26	1
0.47	357.30	166.63	190.67	189.27	1.40	1
0.45	359.44	167.52	191.92	190.38	1.54	1
0.43	361.57	168.41	193.17	191.48	1.69	1
0.42	363.71	169.28	194.42	192.58	1.84	1
0.40	365.84	170.16	195.68	193.68	2.00	1
0.38	367.97	171.02	196.95	194.78	2.17	1
0.36	370.10	171.88	198.22	195.87	2.34	1
0.35	372.23	172.73	199.49	196.97	2.52	1
0.33	374.36	173.58	200.77	198.06	2.71	1
0.31	376.48	174.42	202.06	199.16	2.90	1
0.29	378.61	175.26	203.35	200.25	3.10	1
0.28	380.73	176.09	204.64	201.34	3.30	1

			B445.pso			
0.26	382.85	176.91	205.94	202.43	3.51	1
0.24	384.97	177.73	207.24	203.51	3.73	1
0.22	387.09	178.54	208.55	204.60	3.95	1
0.21	389.21	179.35	209.86	205.69	4.18	1
0.19	391.32	180.15	211.18	206.77	4.41	1
0.17	393.44	180.94	212.50	207.85	4.64	1
0.16	395.55	181.73	213.82	208.93	4.89	1
0.14	397.67	182.52	215.15	210.01	5.13	1
0.12	399.78	183.30	216.48	211.09	5.39	1
0.10	401.89	184.08	217.81	212.17	5.64	1
0.09	404.00	184.85	219.15	213.24	5.91	1
0.07	406.10	185.61	220.49	214.32	6.17	1
0.05	408.21	186.37	221.84	215.39	6.44	1
0.03	410.32	187.13	223.19	216.47	6.72	1
0.02	412.42	187.88	224.54	217.54	7.00	1
0.00	414.52	188.63	225.90	218.61	7.29	1

Time = 3650. Degree of Consolidation = 99.0%

Total Settlement = 9.302

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 3650. = 9.246

Settlement caused by Secondary Compression at time 3650. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 2.95

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
13.00	3.70	1.79	6.25	1.75	1.75	1
12.96	3.68	1.79	6.25	1.75	1.75	1
12.91	3.67	1.78	6.25	1.75	1.75	1
12.87	3.65	1.78	6.25	1.75	1.75	1
12.83	3.63	1.77	6.25	1.75	1.75	1
12.79	3.62	1.76	6.25	1.75	1.75	1
12.74	3.60	1.76	6.25	1.75	1.75	1
12.70	3.58	1.75	6.25	1.75	1.75	1
12.66	3.57	1.75	6.25	1.75	1.75	1
12.61	3.55	1.74	6.25	1.75	1.75	1
12.57	3.54	1.73	6.25	1.75	1.75	1
12.53	3.52	1.73	6.25	1.75	1.75	1
12.49	3.50	1.72	6.25	1.72	1.72	1
12.44	3.49	1.72	6.25	1.71	1.71	1
12.40	3.47	1.71	6.25	1.70	1.70	1
12.36	3.46	1.70	6.25	1.68	1.68	1
12.31	3.44	1.70	6.25	1.67	1.67	1
12.27	3.42	1.69	6.25	1.65	1.65	1
12.23	3.41	1.69	6.25	1.64	1.64	1
12.19	3.39	1.68	6.25	1.62	1.62	1
12.14	3.38	1.67	6.25	1.61	1.61	1
12.10	3.36	1.67	6.25	1.60	1.59	1

12.06	3.35	1.66	6.25	1.59	1.58	1
12.01	3.33	1.66	6.25	1.57	1.57	1
11.97	3.32	1.65	6.25	1.56	1.55	1
11.93	3.30	1.65	6.25	1.55	1.54	1
11.89	3.29	1.64	6.25	1.54	1.52	1
11.84	3.27	1.63	6.25	1.53	1.51	1
11.80	3.26	1.63	6.25	1.52	1.50	1
11.76	3.24	1.62	6.25	1.51	1.49	1
11.71	3.23	1.62	6.25	1.50	1.48	1
11.67	3.21	1.61	6.25	1.49	1.48	1
11.63	3.20	1.60	6.25	1.48	1.47	1
11.59	3.18	1.60	6.25	1.47	1.46	1
11.54	3.17	1.59	6.25	1.46	1.46	1
11.50	3.15	1.59	6.25	1.46	1.45	1
11.50	3.15	1.59	6.25	1.46	1.45	1
11.37	3.11	1.57	6.25	1.43	1.43	1
11.24	3.07	1.55	6.25	1.41	1.41	1
11.11	3.02	1.53	6.25	1.39	1.39	1
10.99	2.98	1.52	6.25	1.37	1.37	1
10.86	2.94	1.50	6.25	1.35	1.35	1
10.73	2.90	1.48	6.25	1.33	1.33	1
10.60	2.86	1.46	6.25	1.31	1.31	1
10.47	2.82	1.44	6.25	1.29	1.29	1
10.34	2.78	1.43	6.25	1.28	1.27	1
10.21	2.74	1.41	6.25	1.26	1.25	1
10.09	2.70	1.39	6.25	1.25	1.23	1
9.96	2.66	1.37	6.25	1.23	1.22	1
9.83	2.62	1.36	6.25	1.22	1.21	1
9.70	2.58	1.34	6.25	1.21	1.20	1
9.57	2.54	1.32	6.25	1.20	1.19	1
9.44	2.50	1.30	6.25	1.18	1.18	1
9.31	2.46	1.28	6.25	1.17	1.17	1
9.19	2.42	1.27	6.25	1.16	1.16	1
9.06	2.38	1.25	6.25	1.15	1.15	1
8.93	2.35	1.23	6.25	1.14	1.14	1
8.80	2.31	1.21	6.25	1.13	1.13	1
8.67	2.27	1.20	6.25	1.12	1.12	1
8.54	2.23	1.18	6.25	1.11	1.11	1
8.41	2.20	1.16	6.25	1.10	1.10	1
8.29	2.16	1.14	6.25	1.09	1.09	1
8.16	2.12	1.13	6.25	1.08	1.08	1
8.03	2.08	1.11	6.25	1.08	1.07	1
7.90	2.05	1.09	6.25	1.07	1.07	1
7.77	2.01	1.07	6.25	1.06	1.06	1
7.64	1.97	1.05	6.25	1.05	1.05	1
7.51	1.94	1.04	6.25	1.04	1.04	1
7.39	1.90	1.02	6.25	1.03	1.03	1
7.26	1.87	1.00	6.25	1.03	1.02	1
7.13	1.83	0.98	6.25	1.02	1.01	1
7.00	1.79	0.97	6.25	1.01	1.00	1
7.00	1.79	0.97	6.25	1.01	1.00	1
6.87	1.76	0.95	6.25	1.00	0.99	1
6.74	1.72	0.93	6.25	1.00	0.98	1
6.61	1.69	0.91	6.25	0.99	0.97	1
6.49	1.65	0.89	6.25	0.98	0.96	1
6.36	1.62	0.88	6.25	0.97	0.96	1
6.23	1.58	0.86	6.25	0.97	0.95	1
6.10	1.55	0.84	6.25	0.96	0.95	1
5.97	1.51	0.82	6.25	0.96	0.95	1
5.84	1.48	0.81	6.25	0.95	0.94	1
5.71	1.44	0.79	6.25	0.94	0.94	1
5.59	1.41	0.77	6.25	0.94	0.93	1
5.46	1.38	0.75	6.25	0.93	0.93	1

B445.pso						
5.33	1.34	0.73	6.25	0.93	0.92	1
5.20	1.31	0.72	6.25	0.92	0.92	1
5.07	1.27	0.70	6.25	0.91	0.91	1
4.94	1.24	0.68	6.25	0.91	0.91	1
4.81	1.21	0.66	6.25	0.90	0.90	1
4.69	1.17	0.65	6.25	0.90	0.90	1
4.56	1.14	0.63	6.25	0.89	0.89	1
4.43	1.10	0.61	6.25	0.89	0.89	1
4.30	1.07	0.59	6.25	0.88	0.88	1
4.17	1.04	0.58	6.25	0.88	0.88	1
4.04	1.00	0.56	6.25	0.87	0.87	1
3.91	0.97	0.54	6.25	0.87	0.87	1
3.79	0.94	0.52	6.25	0.86	0.86	1
3.66	0.91	0.50	6.25	0.86	0.86	1
3.53	0.87	0.49	6.25	0.85	0.85	1
3.40	0.84	0.47	6.25	0.85	0.85	1
3.27	0.81	0.45	6.25	0.84	0.84	1
3.14	0.77	0.43	6.25	0.84	0.84	1
3.01	0.74	0.42	6.25	0.83	0.83	1
2.89	0.71	0.40	6.25	0.83	0.83	1
2.76	0.68	0.38	6.25	0.82	0.82	1
2.63	0.64	0.36	6.25	0.82	0.82	1
2.50	0.61	0.34	6.25	0.82	0.81	1
2.50	0.61	0.34	6.25	0.82	0.81	1
2.43	0.59	0.33	6.25	0.81	0.81	1
2.36	0.58	0.33	6.25	0.81	0.81	1
2.29	0.56	0.32	6.25	0.81	0.81	1
2.21	0.54	0.31	6.25	0.81	0.80	1
2.14	0.52	0.30	6.25	0.80	0.80	1
2.07	0.51	0.29	6.25	0.80	0.80	1
2.00	0.49	0.28	6.25	0.80	0.80	1
1.93	0.47	0.27	6.25	0.80	0.79	1
1.86	0.45	0.26	6.25	0.79	0.79	1
1.79	0.43	0.25	6.25	0.79	0.79	1
1.71	0.42	0.24	6.25	0.79	0.79	1
1.64	0.40	0.23	6.25	0.79	0.78	1
1.57	0.38	0.22	6.25	0.79	0.78	1
1.50	0.36	0.21	6.25	0.78	0.78	1
1.43	0.35	0.20	6.25	0.78	0.77	1
1.36	0.33	0.19	6.25	0.78	0.77	1
1.29	0.31	0.18	6.25	0.78	0.77	1
1.21	0.29	0.17	6.25	0.77	0.77	1
1.14	0.28	0.16	6.25	0.77	0.76	1
1.07	0.26	0.15	6.25	0.77	0.76	1
1.00	0.24	0.14	6.25	0.77	0.76	1
0.93	0.22	0.13	6.25	0.77	0.76	1
0.86	0.21	0.12	6.25	0.76	0.75	1
0.79	0.19	0.11	6.25	0.76	0.75	1
0.71	0.17	0.10	6.25	0.76	0.75	1
0.64	0.16	0.09	6.25	0.76	0.74	1
0.57	0.14	0.08	6.25	0.76	0.74	1
0.50	0.12	0.07	6.25	0.75	0.74	1
0.43	0.10	0.06	6.25	0.75	0.74	1
0.36	0.09	0.05	6.25	0.75	0.73	1
0.29	0.07	0.04	6.25	0.75	0.73	1
0.21	0.05	0.03	6.25	0.75	0.73	1
0.14	0.03	0.02	6.25	0.74	0.73	1
0.07	0.02	0.01	6.25	0.74	0.72	1
0.00	0.00	0.00	6.25	0.74	0.72	1

***** Stresses *****

***** Pore Pressures *****

XI	B445.pso					
	Total	Effective	Total	Static	Excess	Material
3.70	0.00	0.00	0.00	0.00	0.00	1
3.68	1.27	1.27	0.00	0.00	0.00	1
3.67	2.53	2.53	0.00	0.00	0.00	1
3.65	3.80	3.80	0.00	0.00	0.00	1
3.63	5.06	5.06	0.00	0.00	0.00	1
3.62	6.33	6.33	0.00	0.00	0.00	1
3.60	7.60	7.60	0.00	0.00	0.00	1
3.58	8.86	8.86	0.00	0.00	0.00	1
3.57	10.13	10.13	0.00	0.00	0.00	1
3.55	11.40	11.40	0.00	0.00	0.00	1
3.54	12.66	12.66	0.00	0.00	0.00	1
3.52	13.93	13.93	0.00	0.00	0.00	1
3.50	15.38	15.38	0.00	0.00	0.00	1
3.49	17.00	16.00	1.00	1.00	0.00	1
3.47	18.62	16.62	2.00	2.00	0.00	1
3.46	20.23	17.24	2.99	2.99	0.00	1
3.44	21.83	17.86	3.98	3.98	0.00	1
3.42	23.43	18.48	4.96	4.96	0.00	1
3.41	25.03	19.08	5.94	5.93	0.01	1
3.39	26.62	19.67	6.95	6.90	0.04	1
3.38	28.20	20.24	7.96	7.87	0.09	1
3.36	29.79	20.79	9.00	8.83	0.16	1
3.35	31.36	21.32	10.04	9.79	0.25	1
3.33	32.93	21.83	11.10	10.74	0.36	1
3.32	34.50	22.33	12.17	11.69	0.48	1
3.30	36.06	22.81	13.25	12.63	0.62	1
3.29	37.62	23.28	14.34	13.57	0.77	1
3.27	39.18	23.74	15.44	14.50	0.93	1
3.26	40.73	24.18	16.55	15.43	1.11	1
3.24	42.27	24.61	17.66	16.36	1.30	1
3.23	43.82	25.06	18.76	17.29	1.47	1
3.21	45.36	25.93	19.43	18.21	1.22	1
3.20	46.89	26.77	20.12	19.12	1.00	1
3.18	48.43	27.58	20.85	20.04	0.82	1
3.17	49.96	28.35	21.61	20.95	0.66	1
3.15	51.48	29.10	22.39	21.85	0.53	1
3.15	51.48	29.10	22.39	21.85	0.53	1
3.11	56.05	31.33	24.71	24.56	0.15	1
3.07	60.58	33.35	27.24	27.24	0.00	1
3.02	65.10	35.21	29.89	29.89	0.00	1
2.98	69.59	37.07	32.52	32.52	0.00	1
2.94	74.06	38.93	35.14	35.14	0.00	1
2.90	78.51	40.78	37.73	37.72	0.01	1
2.86	82.94	42.49	40.44	40.29	0.15	1
2.82	87.34	44.09	43.25	42.84	0.41	1
2.78	91.73	45.59	46.14	45.37	0.77	1
2.74	96.10	47.00	49.10	47.88	1.22	1
2.70	100.46	48.34	52.12	50.38	1.74	1
2.66	104.80	49.61	55.19	52.86	2.33	1
2.62	109.12	51.71	57.41	55.32	2.08	1
2.58	113.43	54.13	59.30	57.77	1.52	1
2.54	117.73	56.46	61.27	60.21	1.06	1
2.50	122.01	58.69	63.32	62.63	0.69	1
2.46	126.28	60.84	65.44	65.05	0.40	1
2.42	130.54	62.90	67.64	67.44	0.19	1
2.38	134.79	64.89	69.89	69.83	0.06	1
2.35	139.02	66.81	72.21	72.21	0.00	1
2.31	143.25	68.67	74.57	74.57	0.00	1
2.27	147.46	70.53	76.93	76.93	0.00	1
2.23	151.66	72.39	79.27	79.27	0.00	1
2.20	155.86	74.25	81.61	81.61	0.00	1
2.16	160.04	76.11	83.93	83.93	0.00	1

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2.12	164.21	77.94	86.27	86.24	0.03	1
2.08	168.37	79.71	88.66	88.54	0.11	1
2.05	172.52	81.44	91.08	90.84	0.25	1
2.01	176.66	83.11	93.55	93.12	0.43	1
1.97	180.79	84.74	96.06	95.39	0.67	1
1.94	184.92	86.32	98.60	97.65	0.94	1
1.90	189.03	87.86	101.17	99.91	1.26	1
1.87	193.13	89.36	103.77	102.15	1.62	1
1.83	197.23	90.82	106.41	104.39	2.02	1
1.79	201.32	92.25	109.07	106.62	2.45	1
1.79	201.32	92.25	109.07	106.62	2.45	1
1.76	205.40	93.67	111.72	108.84	2.88	1
1.72	209.47	95.07	114.40	111.05	3.35	1
1.69	213.53	96.43	117.10	113.26	3.84	1
1.65	217.59	97.77	119.82	115.45	4.37	1
1.62	221.64	99.07	122.56	117.64	4.92	1
1.58	225.68	100.70	124.98	119.82	5.15	1
1.55	229.71	103.21	126.50	122.00	4.50	1
1.51	233.74	105.67	128.07	124.17	3.91	1
1.48	237.76	108.07	129.68	126.33	3.36	1
1.44	241.77	110.44	131.33	128.48	2.85	1
1.41	245.77	112.75	133.02	130.63	2.39	1
1.38	249.77	115.03	134.74	132.77	1.98	1
1.34	253.77	117.26	136.51	134.90	1.61	1
1.31	257.75	119.45	138.30	137.03	1.28	1
1.27	261.73	121.60	140.14	139.15	0.99	1
1.24	265.71	123.70	142.00	141.26	0.74	1
1.21	269.67	125.78	143.90	143.37	0.53	1
1.17	273.64	127.81	145.83	145.47	0.35	1
1.14	277.59	129.81	147.78	147.57	0.21	1
1.10	281.54	131.77	149.77	149.66	0.11	1
1.07	285.49	133.70	151.79	151.75	0.04	1
1.04	289.43	135.59	153.83	153.83	0.00	1
1.00	293.36	137.46	155.90	155.90	0.00	1
0.97	297.29	139.32	157.97	157.97	0.00	1
0.94	301.21	141.18	160.04	160.04	0.00	1
0.91	305.13	143.03	162.10	162.10	0.00	1
0.87	309.04	144.89	164.15	164.15	0.00	1
0.84	312.95	146.75	166.20	166.20	0.00	1
0.81	316.85	148.61	168.24	168.24	0.00	1
0.77	320.75	150.45	170.30	170.28	0.02	1
0.74	324.64	152.26	172.38	172.31	0.07	1
0.71	328.53	154.05	174.48	174.34	0.14	1
0.68	332.41	155.81	176.60	176.36	0.24	1
0.64	336.28	157.54	178.74	178.38	0.37	1
0.61	340.15	159.25	180.91	180.39	0.52	1
0.61	340.15	159.25	180.91	180.39	0.52	1
0.59	342.30	160.20	182.11	181.50	0.60	1
0.58	344.45	161.14	183.31	182.62	0.70	1
0.56	346.60	162.07	184.53	183.73	0.79	1
0.54	348.74	163.00	185.74	184.84	0.90	1
0.52	350.88	163.92	186.97	185.95	1.02	1
0.51	353.02	164.83	188.20	187.06	1.14	1
0.49	355.16	165.73	189.43	188.17	1.26	1
0.47	357.30	166.63	190.67	189.27	1.40	1
0.45	359.44	167.52	191.92	190.38	1.54	1
0.43	361.57	168.41	193.17	191.48	1.69	1
0.42	363.71	169.28	194.42	192.58	1.84	1
0.40	365.84	170.16	195.68	193.68	2.00	1
0.38	367.97	171.02	196.95	194.78	2.17	1
0.36	370.10	171.88	198.22	195.87	2.34	1
0.35	372.23	172.73	199.49	196.97	2.52	1
0.33	374.36	173.58	200.77	198.06	2.71	1

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0.31	376.48	174.42	202.06	199.16	2.90	1
0.29	378.61	175.26	203.35	200.25	3.10	1
0.28	380.73	176.09	204.64	201.34	3.30	1
0.26	382.85	176.91	205.94	202.43	3.51	1
0.24	384.97	177.73	207.24	203.51	3.73	1
0.22	387.09	178.54	208.55	204.60	3.95	1
0.21	389.21	179.35	209.86	205.69	4.18	1
0.19	391.32	180.15	211.18	206.77	4.41	1
0.17	393.44	180.94	212.50	207.85	4.64	1
0.16	395.55	181.73	213.82	208.93	4.89	1
0.14	397.67	182.52	215.15	210.01	5.13	1
0.12	399.78	183.30	216.48	211.09	5.39	1
0.10	401.89	184.08	217.81	212.17	5.64	1
0.09	404.00	184.85	219.15	213.24	5.91	1
0.07	406.10	185.61	220.49	214.32	6.17	1
0.05	408.21	186.37	221.84	215.39	6.44	1
0.03	410.32	187.13	223.19	216.47	6.72	1
0.02	412.42	187.88	224.54	217.54	7.00	1
0.00	414.52	188.63	225.90	218.61	7.29	1

Time = 7300. Degree of Consolidation = 99.0%

Total Settlement = 9.302

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 7300. = 9.246

Settlement caused by Secondary Compression at time 7300. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 2.95

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 2 Marsh Calcs EI +4.5 feet.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.097337
Loading Stress XX [ksf]	-0.0159162	0.075711
Loading Stress YY [ksf]	-0.0172538	0.0747108
Effective Stress ZZ [ksf]	-6.99864e-019	1.391
Effective Stress XX [ksf]	-0.0159162	1.45284
Effective Stress YY [ksf]	-0.0172538	1.45284
Total Stress ZZ [ksf]	0	3.36032
Total Stress XX [ksf]	-0.0159162	3.42216
Total Stress YY [ksf]	-0.0172538	3.42216
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.96932
Excess Pore Water Pressure [ksf]	0	0.097337
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	-2.77556e-017	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.53533
Total Consolidation Settlement [in]	0	3.53533
Virgin Consolidation Settlement [in]	0	1.61609
Recompression Consolidation Settlement [in]	0	1.91923
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.276642
Loading Stress XX [ksf]	-0.0452355	0.215179
Loading Stress YY [ksf]	-0.0490372	0.212336
Effective Stress ZZ [ksf]	-3.51598e-011	1.50667
Effective Stress XX [ksf]	-0.0452355	1.66409
Effective Stress YY [ksf]	-0.0490372	1.66409
Total Stress ZZ [ksf]	0	3.5396
Total Stress XX [ksf]	-0.0452355	3.69701
Total Stress YY [ksf]	-0.0490372	3.69701
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	19740.5
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	19740.5
Total Strain	-9.20042e-008	0.568523
Pore Water Pressure [ksf]	-0.000286056	2.03293
Excess Pore Water Pressure [ksf]	0	0.276642
Degree of Consolidation [%]	0	41.2964
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00902725

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.48046
Total Consolidation Settlement [in]	0	6.48046
Virgin Consolidation Settlement [in]	0	3.59924
Recompression Consolidation Settlement [in]	0	2.88122
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.450824
Loading Stress XX [ksf]	-0.0737171	0.350662
Loading Stress YY [ksf]	-0.0799125	0.346029
Effective Stress ZZ [ksf]	-6.07583e-011	1.70129
Effective Stress XX [ksf]	-0.0737171	1.95403
Effective Stress YY [ksf]	-0.0799125	1.95403
Total Stress ZZ [ksf]	0	3.71375
Total Stress XX [ksf]	-0.0737171	3.9665
Total Stress YY [ksf]	-0.0799125	3.9665
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	13035.7
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	13035.7
Total Strain	-3.44035e-007	0.688934
Pore Water Pressure [ksf]	-0.000543128	2.01246
Excess Pore Water Pressure [ksf]	0	0.450823
Degree of Consolidation [%]	0	71.0465
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0240838

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.69577
Total Consolidation Settlement [in]	0	8.69577
Virgin Consolidation Settlement [in]	0	5.15286
Recompression Consolidation Settlement [in]	0	3.54292
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5123
Loading Stress XX [ksf]	-0.0837694	0.398479
Loading Stress YY [ksf]	-0.0908097	0.393215
Effective Stress ZZ [ksf]	-2.06464e-025	1.88697
Effective Stress XX [ksf]	-0.0837694	2.16724
Effective Stress YY [ksf]	-0.0908097	2.16724
Total Stress ZZ [ksf]	0	3.77522
Total Stress XX [ksf]	-0.0837694	4.05549
Total Stress YY [ksf]	-0.0908097	4.05549
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9943.53
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9943.53
Total Strain	-6.61062e-007	0.740115
Pore Water Pressure [ksf]	-0.00070195	1.88825
Excess Pore Water Pressure [ksf]	0	0.512274
Degree of Consolidation [%]	0	89.7237
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0372153

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.95761
Total Consolidation Settlement [in]	0	8.95761
Virgin Consolidation Settlement [in]	0	5.34172
Recompression Consolidation Settlement [in]	0	3.61588
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.585
Loading Stress XX [ksf]	-0.105519	0.448429
Loading Stress YY [ksf]	-0.114182	0.441915
Effective Stress ZZ [ksf]	-2.17536e-011	1.94979
Effective Stress XX [ksf]	-0.105519	2.27882
Effective Stress YY [ksf]	-0.114182	2.27761
Total Stress ZZ [ksf]	0	3.84793
Total Stress XX [ksf]	-0.105519	4.17695
Total Stress YY [ksf]	-0.114182	4.17574
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	51556.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	51556.6
Total Strain	-6.99097e-007	0.760261
Pore Water Pressure [ksf]	-0.000827721	1.93723
Excess Pore Water Pressure [ksf]	-1.92016e-006	0.584966
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0414642

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.27015
Total Consolidation Settlement [in]	0	9.27015
Virgin Consolidation Settlement [in]	0	5.57194
Recompression Consolidation Settlement [in]	0	3.69821
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.585
Loading Stress XX [ksf]	-0.105519	0.448429
Loading Stress YY [ksf]	-0.114182	0.441915
Effective Stress ZZ [ksf]	-4.02747e-011	2.02413
Effective Stress XX [ksf]	-0.105519	2.35153
Effective Stress YY [ksf]	-0.114182	2.35032
Total Stress ZZ [ksf]	0	3.84793
Total Stress XX [ksf]	-0.105519	4.17532
Total Stress YY [ksf]	-0.114182	4.17411
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9333.46
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9333.46
Total Strain	-1.21215e-006	0.769615
Pore Water Pressure [ksf]	-0.000919575	1.872
Excess Pore Water Pressure [ksf]	-2.72103e-006	0.584957
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.417
Total Consolidation Settlement [in]	0	11.417
Virgin Consolidation Settlement [in]	0	7.01579
Recompression Consolidation Settlement [in]	0	4.40125
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.437873
Loading Stress XX [ksf]	-0.0789807	0.335649
Loading Stress YY [ksf]	-0.0854654	0.330773
Effective Stress ZZ [ksf]	-6.096e-011	2.0353
Effective Stress XX [ksf]	-0.0789807	2.25706
Effective Stress YY [ksf]	-0.0854654	2.25616
Total Stress ZZ [ksf]	0	3.70082
Total Stress XX [ksf]	-0.0789807	3.92258
Total Stress YY [ksf]	-0.0854654	3.92168
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6883.25
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6883.25
Total Strain	-5.43381e-006	0.772133
Pore Water Pressure [ksf]	-0.138743	1.872
Excess Pore Water Pressure [ksf]	-0.147127	0.437302
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0006
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0657859
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.1334
Total Consolidation Settlement [in]	0	12.1334
Virgin Consolidation Settlement [in]	0	7.24178
Recompression Consolidation Settlement [in]	0	4.89167
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.419269
Loading Stress XX [ksf]	-0.0756252	0.321389
Loading Stress YY [ksf]	-0.0818344	0.31672
Effective Stress ZZ [ksf]	-7.35051e-012	1.89191
Effective Stress XX [ksf]	-0.0756252	2.09801
Effective Stress YY [ksf]	-0.0818344	2.09714
Total Stress ZZ [ksf]	0	3.68222
Total Stress XX [ksf]	-0.0756252	3.88832
Total Stress YY [ksf]	-0.0818344	3.88745
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8065.97
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8065.97
Total Strain	-7.05086e-006	0.766439
Pore Water Pressure [ksf]	-0.0152117	1.872
Excess Pore Water Pressure [ksf]	-0.0245397	0.406306
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0011
Void Ratio	0	6.49003
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.3476
Total Consolidation Settlement [in]	0	12.3476
Virgin Consolidation Settlement [in]	0	7.27728
Recompression Consolidation Settlement [in]	0	5.07035
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.414648
Loading Stress XX [ksf]	-0.0747916	0.317846
Loading Stress YY [ksf]	-0.0809324	0.313229
Effective Stress ZZ [ksf]	0	1.87443
Effective Stress XX [ksf]	-0.0747916	2.07644
Effective Stress YY [ksf]	-0.0809324	2.07559
Total Stress ZZ [ksf]	0	3.6776
Total Stress XX [ksf]	-0.0747916	3.87961
Total Stress YY [ksf]	-0.0809324	3.87876
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8213.62
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8213.62
Total Strain	-6.62448e-006	0.765545
Pore Water Pressure [ksf]	-0.00158216	1.872
Excess Pore Water Pressure [ksf]	-0.0110356	0.388486
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0013
Void Ratio	0	6.49003
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.7233
Total Consolidation Settlement [in]	0	12.7233
Virgin Consolidation Settlement [in]	0	7.33769
Recompression Consolidation Settlement [in]	0	5.38562
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.414648
Loading Stress XX [ksf]	-0.0747916	0.317846
Loading Stress YY [ksf]	-0.0809324	0.313229
Effective Stress ZZ [ksf]	0	1.87176
Effective Stress XX [ksf]	-0.0747916	2.07182
Effective Stress YY [ksf]	-0.0809324	2.07097
Total Stress ZZ [ksf]	0	3.6776
Total Stress XX [ksf]	-0.0747916	3.87766
Total Stress YY [ksf]	-0.0809324	3.87681
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8251.49
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8251.49
Total Strain	-6.35159e-006	0.76537
Pore Water Pressure [ksf]	-0.00133946	1.872
Excess Pore Water Pressure [ksf]	-0.000564483	0.359966
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0017
Void Ratio	0	6.49004
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.0282
Total Consolidation Settlement [in]	0	13.0282
Virgin Consolidation Settlement [in]	0	7.39078
Recompression Consolidation Settlement [in]	0	5.63745
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.396747
Loading Stress XX [ksf]	-0.0715627	0.304125
Loading Stress YY [ksf]	-0.0774384	0.299707
Effective Stress ZZ [ksf]	0	1.87334
Effective Stress XX [ksf]	-0.0715627	2.06033
Effective Stress YY [ksf]	-0.0774384	2.05951
Total Stress ZZ [ksf]	0	3.6597
Total Stress XX [ksf]	-0.0715627	3.84668
Total Stress YY [ksf]	-0.0774384	3.84586
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7873.87
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7873.87
Total Strain	-7.32958e-006	0.764658
Pore Water Pressure [ksf]	-0.0152071	1.872
Excess Pore Water Pressure [ksf]	-0.0179266	0.312781
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.002
Void Ratio	0	6.49005
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.237
Total Consolidation Settlement [in]	0	13.237
Virgin Consolidation Settlement [in]	0	7.42835
Recompression Consolidation Settlement [in]	0	5.80868
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.390078
Loading Stress XX [ksf]	-0.0703598	0.299012
Loading Stress YY [ksf]	-0.0761367	0.294669
Effective Stress ZZ [ksf]	-7.56763e-019	1.85653
Effective Stress XX [ksf]	-0.0703598	2.03815
Effective Stress YY [ksf]	-0.0761367	2.03734
Total Stress ZZ [ksf]	0	3.65303
Total Stress XX [ksf]	-0.0703598	3.83465
Total Stress YY [ksf]	-0.0761368	3.83384
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7972.05
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7972.05
Total Strain	-7.55639e-006	0.763661
Pore Water Pressure [ksf]	-0.0043975	1.872
Excess Pore Water Pressure [ksf]	-0.00772651	0.275779
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.002
Void Ratio	0	6.49005
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.5624
Total Consolidation Settlement [in]	0	13.5624
Virgin Consolidation Settlement [in]	0	7.49799
Recompression Consolidation Settlement [in]	0	6.06444
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.382005
Loading Stress XX [ksf]	-0.0689036	0.292824
Loading Stress YY [ksf]	-0.074561	0.288571
Effective Stress ZZ [ksf]	0	1.85155
Effective Stress XX [ksf]	-0.0689036	2.0263
Effective Stress YY [ksf]	-0.074561	2.02551
Total Stress ZZ [ksf]	0	3.64496
Total Stress XX [ksf]	-0.0689037	3.8197
Total Stress YY [ksf]	-0.0745612	3.81891
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7877.09
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7877.09
Total Strain	-6.43232e-006	0.763049
Pore Water Pressure [ksf]	-0.00605713	1.872
Excess Pore Water Pressure [ksf]	-0.00809305	0.220996
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0018
Void Ratio	0	6.49004
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.68
Total Consolidation Settlement [in]	0	13.68
Virgin Consolidation Settlement [in]	0	7.5376
Recompression Consolidation Settlement [in]	0	6.14236
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.378495
Loading Stress XX [ksf]	-0.0682705	0.290134
Loading Stress YY [ksf]	-0.0738759	0.285919
Effective Stress ZZ [ksf]	0	1.84409
Effective Stress XX [ksf]	-0.0682705	2.01597
Effective Stress YY [ksf]	-0.0738759	2.01519
Total Stress ZZ [ksf]	0	3.64145
Total Stress XX [ksf]	-0.0682706	3.81332
Total Stress YY [ksf]	-0.0738762	3.81254
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7911.43
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7911.43
Total Strain	-5.38176e-006	0.762559
Pore Water Pressure [ksf]	-0.00167699	1.872
Excess Pore Water Pressure [ksf]	-0.0039873	0.204425
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0015
Void Ratio	0	6.49004
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.9932
Total Consolidation Settlement [in]	0	13.9932
Virgin Consolidation Settlement [in]	0	7.67122
Recompression Consolidation Settlement [in]	0	6.32194
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.370656
Loading Stress XX [ksf]	-0.0668566	0.284125
Loading Stress YY [ksf]	-0.0723459	0.279997
Effective Stress ZZ [ksf]	-1.30082e-011	1.84221
Effective Stress XX [ksf]	-0.0668566	2.00743
Effective Stress YY [ksf]	-0.0723459	2.00666
Total Stress ZZ [ksf]	0	3.63361
Total Stress XX [ksf]	-0.0668567	3.79883
Total Stress YY [ksf]	-0.0723463	3.79806
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7774.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7774.52
Total Strain	-2.46008e-006	0.76207
Pore Water Pressure [ksf]	-0.00611962	1.872
Excess Pore Water Pressure [ksf]	-0.00783928	0.152978
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0007
Void Ratio	0	6.49002
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.6192
Total Consolidation Settlement [in]	0	14.6192
Virgin Consolidation Settlement [in]	0	8.10765
Recompression Consolidation Settlement [in]	0	6.51158
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.355446
Loading Stress XX [ksf]	-0.0641131	0.272465
Loading Stress YY [ksf]	-0.0693771	0.268508
Effective Stress ZZ [ksf]	-2.48508e-011	1.83763
Effective Stress XX [ksf]	-0.0641131	1.98982
Effective Stress YY [ksf]	-0.0693771	1.98909
Total Stress ZZ [ksf]	-1.05879e-022	3.6184
Total Stress XX [ksf]	-0.0641134	3.7706
Total Stress YY [ksf]	-0.0693776	3.76986
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7519.23
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7519.23
Total Strain	-1.01746e-006	0.761056
Pore Water Pressure [ksf]	-0.0137505	1.872
Excess Pore Water Pressure [ksf]	-0.01521	0.0440291
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.7405
Total Consolidation Settlement [in]	0	14.7405
Virgin Consolidation Settlement [in]	0	8.24627
Recompression Consolidation Settlement [in]	0	6.49419
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.349888
Loading Stress XX [ksf]	-0.0631107	0.268205
Loading Stress YY [ksf]	-0.0682924	0.264309
Effective Stress ZZ [ksf]	-1.15593e-013	1.82305
Effective Stress XX [ksf]	-0.0631107	1.97105
Effective Stress YY [ksf]	-0.0682924	1.97033
Total Stress ZZ [ksf]	-1.05879e-022	3.61285
Total Stress XX [ksf]	-0.0631111	3.76084
Total Stress YY [ksf]	-0.0682929	3.76012
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7633.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7633.92
Total Strain	-1.01166e-006	0.760104
Pore Water Pressure [ksf]	-0.00416733	1.872
Excess Pore Water Pressure [ksf]	-0.0055575	0.0093868
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.40596e-006	14.7638
Total Consolidation Settlement [in]	-1.40596e-006	14.7638
Virgin Consolidation Settlement [in]	0	8.28476
Recompression Consolidation Settlement [in]	-1.40596e-006	6.479
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.346729
Loading Stress XX [ksf]	-0.0625409	0.265784
Loading Stress YY [ksf]	-0.0676758	0.261923
Effective Stress ZZ [ksf]	-8.84534e-012	1.81762
Effective Stress XX [ksf]	-0.0625409	1.96346
Effective Stress YY [ksf]	-0.0676758	1.96275
Total Stress ZZ [ksf]	-1.05879e-022	3.60969
Total Stress XX [ksf]	-0.0625413	3.75553
Total Stress YY [ksf]	-0.0676763	3.75482
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7684.83
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7684.83
Total Strain	-1.00735e-006	0.759695
Pore Water Pressure [ksf]	-0.00177135	1.872
Excess Pore Water Pressure [ksf]	-0.003159	1.54215e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.59804e-006	14.7419
Total Consolidation Settlement [in]	-1.59804e-006	14.7419
Virgin Consolidation Settlement [in]	0	8.28511
Recompression Consolidation Settlement [in]	-1.59804e-006	6.45684
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.345911
Loading Stress XX [ksf]	-0.0623931	0.265156
Loading Stress YY [ksf]	-0.067516	0.261304
Effective Stress ZZ [ksf]	0	1.81435
Effective Stress XX [ksf]	-0.0623931	1.95978
Effective Stress YY [ksf]	-0.067516	1.95906
Total Stress ZZ [ksf]	-1.05879e-022	3.60887
Total Stress XX [ksf]	-0.0623936	3.7543
Total Stress YY [ksf]	-0.0675165	3.75359
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7736.44
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7736.44
Total Strain	-1.00441e-006	0.759507
Pore Water Pressure [ksf]	-0.00162865	1.872
Excess Pore Water Pressure [ksf]	-0.000909893	3.23108e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.77102e-006	14.7347
Total Consolidation Settlement [in]	-1.77102e-006	14.7347
Virgin Consolidation Settlement [in]	0	8.28511
Recompression Consolidation Settlement [in]	-1.77102e-006	6.44954
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.345911
Loading Stress XX [ksf]	-0.0623931	0.265156
Loading Stress YY [ksf]	-0.067516	0.261304
Effective Stress ZZ [ksf]	0	1.81349
Effective Stress XX [ksf]	-0.0623931	1.95896
Effective Stress YY [ksf]	-0.067516	1.95825
Total Stress ZZ [ksf]	-1.05879e-022	3.60887
Total Stress XX [ksf]	-0.0623936	3.75434
Total Stress YY [ksf]	-0.0675165	3.75363
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	7754.72
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	7754.72
Total Strain	-1.04252e-006	0.759468
Pore Water Pressure [ksf]	-0.00162865	1.872
Excess Pore Water Pressure [ksf]	-3.21002e-006	6.8408e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0463831

Loads

1. Rectangular Load: "Rectangular Load 1"

Length 1000 ft
Width 1000 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.5123 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 120 d	0	0
Stage 11 = 150 d	0	0
Stage 12 = 180 d	0	0
Stage 13 = 240 d	0	0
Stage 14 = 270 d	0	0
Stage 15 = 365 d	0	0
Stage 16 = 730 d	0	0
Stage 17 = 1095 d	0	0
Stage 18 = 1825 d	0	0
Stage 19 = 3650 d	0	0
Stage 20 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1093 ft
Width 1100 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1.2023e+006 ft²
Load 0.585 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.7485	0
Stage 8 = 75 d	0.7167	0
Stage 9 = 90 d	0.7088	0
Stage 10 = 120 d	0.7088	0
Stage 11 = 150 d	0.6782	0
Stage 12 = 180 d	0.6668	0
Stage 13 = 240 d	0.653	0
Stage 14 = 270 d	0.647	0
Stage 15 = 365 d	0.6336	0
Stage 16 = 730 d	0.6076	0
Stage 17 = 1095 d	0.5981	0
Stage 18 = 1825 d	0.5927	0
Stage 19 = 3650 d	0.5913	0
Stage 20 = 7300 d	0.5913	0

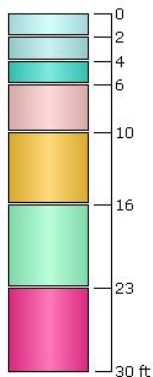
Coordinates

X [ft]	Y [ft]
-546.5	-550
546.5	-550
546.5	550
-546.5	550





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	2	4	No
4	Very Soft Clay (CH) 4	4	6	No
5	Very Soft to Soft Clay (CH/CL)	6	10	Yes
6	Stiff Clay (CH)	7	16	Yes
7	Clayey Sand	7	23	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
Saturated Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.2	2.93	2.93	0.27
Cr	0.58	0.53	0.53	0.04
e0	6.49	4.9	4.9	1.32
OCR	10	10	5.9	1.6
Cv [ft ² /d]	0.03	0.03	0.03	0.13
Cvr [ft ² /d]	0.03	0.03	0.03	0.13
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Very Soft Clay (CH) 4	Stiff Clay (CH)	Clayey Sand
Color			
Unit Weight [kips/ft ³]	0.1	0.115	0.12
Saturated Unit Weight [kips/ft ³]	0.1	0.115	0.12
K0	1	1	1
Primary Consolidation	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	
Cc	0.65	0.21	-
Cr	0.12	0.04	-
e0	2.06	0.92	-
OCR	2.9	5	-
Cv [ft ² /d]	0.12	0.5	-
Cvr [ft ² /d]	0.12	0.5	-
B-bar	1	1	-
Undrained Su A [kips/ft ²]	0	0	0
Undrained Su S	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8
Piezo Line ID	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 75

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1096.5	2000
1096.5	-2000
-1096.5	-2000
-1096.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-10

Initial Sequence of Lifts

Specific Gravity: 2.68
 Initial Void Ratio: 1.98
 Initial Fill El (feet): 4.50
 Initial Avg. Mudline El (feet): -0.75
 Mudline at EOC (feet): -1.50

Initial γ (pcf): 97.58 (assumes 100% saturation)
 Water El (feet): 0.50
 Initial stress (ksf): 0.5123 During Constructi at 29 days
 Stress at EOC (ksf): 0.585 End of Constructi at 30 days

Note:

Title
 Manual Input
 Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.772	0.952	1.019	1.029	1.086	1.103	1.129	1.141	1.165	1.218	1.229	1.230	1.230	1.230
Ending Mudline El. (feet):	-1.52	-1.70	-1.77	-1.78	-1.84	-1.85	-1.88	-1.89	-1.92	-1.97	-1.98	-1.98	-1.98	-1.98
Net PSDDF Settlement (feet):		0.229	0.465	0.597	0.864	0.943	1.056	1.099	1.202	1.395	1.473	1.529	1.536	1.536
Ending Fill Thickness (feet):	6.022	5.793	5.557	5.425	5.158	5.079	4.966	4.923	4.820	4.627	4.549	4.493	4.486	4.486
Ending Fill El. (feet):	4.500	4.091	3.788	3.646	3.322	3.227	3.087	3.032	2.905	2.659	2.570	2.513	2.506	2.506
Avg. Void Ratio from PSDDF:	1.98	1.840	1.720	1.604	1.450	1.420	1.360	1.340	1.290	1.197	1.160	1.130	1.130	1.130
Ending γ (pcf):	97.58	99.31	100.94	102.66	105.19	105.72	106.82	107.20	108.18	110.12	110.93	111.62	111.62	111.62
Effective Stress at End Time (ksf):	0.5851	0.438	0.419	0.415	0.397	0.390	0.382	0.379	0.371	0.356	0.350	0.347	0.346	0.346

DRAFT

Project:	New Orleans Landbridge Shoreline Stabilization and Marsh Crea	LEGEND
Location:	Orleans Parish, LA	Title
File No.:	4585017006	Manual Input
Exploration:	B-10	Calculation
Mudline El.:	-0.75 feet	

Load End Time (days)	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.512	0.585	0.438	0.419	0.415	0.397	0.390	0.382	0.379	0.371	0.356	0.350	0.347	0.346	
Layer 1	0.593	0.610	0.712	0.720	0.711	0.716	0.716	0.717	0.717	0.717	0.717	0.715	0.714	0.714	0.714
Layer 2	0.070	0.073	0.115	0.155	0.163	0.179	0.183	0.188	0.190	0.194	0.198	0.197	0.196	0.196	0.196
Layer 3	0.025	0.026	0.033	0.051	0.060	0.084	0.091	0.101	0.105	0.111	0.119	0.120	0.120	0.120	0.120
Layer 4	0.012	0.013	0.016	0.021	0.024	0.036	0.042	0.050	0.053	0.060	0.078	0.084	0.086	0.086	0.086
Layer 5	0.018	0.021	0.040	0.041	0.041	0.041	0.042	0.044	0.047	0.055	0.078	0.085	0.087	0.087	0.087
Layer 6	0.028	0.029	0.036	0.031	0.030	0.030	0.029	0.029	0.029	0.028	0.028	0.028	0.027	0.027	0.027
Layer 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.75	0.77	0.95	1.02	1.03	1.09	1.10	1.13	1.14	1.17	1.22	1.23	1.23	1.23	1.23

DRAFT

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 2 Marsh Calcs EI +4.5 feet Sand.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.173432
Loading Stress XX [ksf]	-0.0283589	0.134899
Loading Stress YY [ksf]	-0.0307423	0.133117
Effective Stress ZZ [ksf]	-1.57836e-018	1.391
Effective Stress XX [ksf]	-0.0283589	1.50119
Effective Stress YY [ksf]	-0.0307423	1.50119
Total Stress ZZ [ksf]	0	3.4364
Total Stress XX [ksf]	-0.0283589	3.54659
Total Stress YY [ksf]	-0.0307423	3.54659
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	2.0454
Excess Pore Water Pressure [ksf]	0	0.173432
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.0463431
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	-2.77556e-017	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.92642
Total Consolidation Settlement [in]	0	4.92642
Virgin Consolidation Settlement [in]	0	2.59356
Recompression Consolidation Settlement [in]	0	2.33286
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.346863
Loading Stress XX [ksf]	-0.0567178	0.269798
Loading Stress YY [ksf]	-0.0614845	0.266234
Effective Stress ZZ [ksf]	-6.02067e-011	1.59
Effective Stress XX [ksf]	-0.0567178	1.78478
Effective Stress YY [ksf]	-0.0614845	1.78478
Total Stress ZZ [ksf]	0	3.60981
Total Stress XX [ksf]	-0.0567178	3.80459
Total Stress YY [ksf]	-0.0614845	3.80459
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	14933.7
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	14933.7
Total Strain	-1.6393e-007	0.627456
Pore Water Pressure [ksf]	-0.000421588	2.01981
Excess Pore Water Pressure [ksf]	0	0.346863
Degree of Consolidation [%]	0	60.1343
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0156434

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.48566
Total Consolidation Settlement [in]	0	7.48566
Virgin Consolidation Settlement [in]	0	4.30963
Recompression Consolidation Settlement [in]	0	3.17602
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-2.40995e-011	1.77672
Effective Stress XX [ksf]	-0.085936	2.07172
Effective Stress YY [ksf]	-0.0931584	2.07172
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.08346
Total Stress YY [ksf]	-0.0931584	4.08346
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	12591
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	12591
Total Strain	-4.62935e-007	0.722281
Pore Water Pressure [ksf]	-0.000623363	2.01174
Excess Pore Water Pressure [ksf]	0	0.525547
Degree of Consolidation [%]	0	76.6756
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0299483

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.62448
Total Consolidation Settlement [in]	0	9.62448
Virgin Consolidation Settlement [in]	0	5.81561
Recompression Consolidation Settlement [in]	0	3.80887
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-5.16161e-026	1.96651
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.07233
Total Stress YY [ksf]	-0.0931584	4.07233
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9039.67
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9039.67
Total Strain	-8.13491e-007	0.756145
Pore Water Pressure [ksf]	-0.000765744	1.872
Excess Pore Water Pressure [ksf]	-3.46468e-008	0.525502
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.76606
Total Consolidation Settlement [in]	0	9.76606
Virgin Consolidation Settlement [in]	0	5.90537
Recompression Consolidation Settlement [in]	0	3.86069
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-6.17636e-012	1.96725
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.07159
Total Stress YY [ksf]	-0.0931584	4.07159
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9029.84
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9029.84
Total Strain	-8.44862e-007	0.756293
Pore Water Pressure [ksf]	-0.00076996	1.872
Excess Pore Water Pressure [ksf]	-8.93328e-007	0.525489
Degree of Consolidation [%]	0	99.9496
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.90004
Total Consolidation Settlement [in]	0	9.90004
Virgin Consolidation Settlement [in]	0	5.98743
Recompression Consolidation Settlement [in]	0	3.91261
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.96794
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.0709
Total Stress YY [ksf]	-0.0931584	4.0709
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9020.58
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9020.58
Total Strain	-8.74882e-007	0.756412
Pore Water Pressure [ksf]	-0.000773855	1.872
Excess Pore Water Pressure [ksf]	-5.39511e-008	0.525473
Degree of Consolidation [%]	0	99.9547
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0001
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.3767
Total Consolidation Settlement [in]	0	11.3767
Virgin Consolidation Settlement [in]	0	6.87593
Recompression Consolidation Settlement [in]	0	4.50074
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.97562
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.06322
Total Stress YY [ksf]	-0.0931584	4.06322
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8922.06
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8922.06
Total Strain	-1.18087e-006	0.757143
Pore Water Pressure [ksf]	-0.000804121	1.872
Excess Pore Water Pressure [ksf]	-9.95729e-008	0.524614
Degree of Consolidation [%]	0	99.9894
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.1999
Total Consolidation Settlement [in]	0	13.1999
Virgin Consolidation Settlement [in]	0	7.87797
Recompression Consolidation Settlement [in]	0	5.32194
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.9851
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.05374
Total Stress YY [ksf]	-0.0931584	4.05374
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8807.15
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8807.15
Total Strain	-1.32404e-006	0.757583
Pore Water Pressure [ksf]	-0.000832476	1.872
Excess Pore Water Pressure [ksf]	-8.17314e-008	0.506686
Degree of Consolidation [%]	0	99.9995
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0002
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.8092
Total Consolidation Settlement [in]	0	13.8092
Virgin Consolidation Settlement [in]	0	8.16893
Recompression Consolidation Settlement [in]	0	5.64024
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.98827
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.05057
Total Stress YY [ksf]	-0.0931584	4.05057
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8769.86
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8769.86
Total Strain	-1.21445e-006	0.757682
Pore Water Pressure [ksf]	-0.000840516	1.872
Excess Pore Water Pressure [ksf]	-7.67457e-008	0.482729
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.7746
Total Consolidation Settlement [in]	0	14.7746
Virgin Consolidation Settlement [in]	0	8.66041
Recompression Consolidation Settlement [in]	0	6.1142
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.99329
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.04555
Total Stress YY [ksf]	-0.0931584	4.04555
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8711.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8711.6
Total Strain	-1.36899e-006	0.757772
Pore Water Pressure [ksf]	-0.000849737	1.872
Excess Pore Water Pressure [ksf]	-6.64464e-008	0.422629
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.4251
Total Consolidation Settlement [in]	0	15.4251
Virgin Consolidation Settlement [in]	0	8.98273
Recompression Consolidation Settlement [in]	0	6.44235
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.99668
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.04217
Total Stress YY [ksf]	-0.0931584	4.04217
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8672.9
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8672.9
Total Strain	-1.53734e-006	0.757826
Pore Water Pressure [ksf]	-0.000854196	1.872
Excess Pore Water Pressure [ksf]	-5.72723e-008	0.360678
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.8954
Total Consolidation Settlement [in]	0	15.8954
Virgin Consolidation Settlement [in]	0	9.23291
Recompression Consolidation Settlement [in]	0	6.66254
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	1.99912
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.03972
Total Stress YY [ksf]	-0.0931584	4.03972
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8645.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8645.18
Total Strain	-1.58321e-006	0.757861
Pore Water Pressure [ksf]	-0.000857415	1.872
Excess Pore Water Pressure [ksf]	-4.92572e-008	0.305261
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.5487
Total Consolidation Settlement [in]	0	16.5487
Virgin Consolidation Settlement [in]	0	9.66586
Recompression Consolidation Settlement [in]	0	6.88283
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	2.00251
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.03633
Total Stress YY [ksf]	-0.0931584	4.03633
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8607.13
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8607.13
Total Strain	-1.38856e-006	0.757918
Pore Water Pressure [ksf]	-0.000925445	1.872
Excess Pore Water Pressure [ksf]	-5.32567e-007	0.235878
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0004
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0423747

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.21742e-006	16.793
Total Consolidation Settlement [in]	-1.21742e-006	16.793
Virgin Consolidation Settlement [in]	0	9.84815
Recompression Consolidation Settlement [in]	-1.21742e-006	6.94485
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	2.00378
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.085936	4.03506
Total Stress YY [ksf]	-0.0931584	4.03506
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8592.95
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8592.95
Total Strain	-1.20422e-006	0.757947
Pore Water Pressure [ksf]	-0.00098298	1.872
Excess Pore Water Pressure [ksf]	-3.71995e-008	0.214414
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0442084

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.28653e-006	17.4562
Total Consolidation Settlement [in]	-1.28653e-006	17.4562
Virgin Consolidation Settlement [in]	0	10.3861
Recompression Consolidation Settlement [in]	-1.28653e-006	7.07008
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-2.17749e-011	2.00724
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.0859361	4.0316
Total Stress YY [ksf]	-0.0931585	4.0316
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8554.74
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8554.74
Total Strain	-1.01128e-006	0.757984
Pore Water Pressure [ksf]	-0.00106783	1.872
Excess Pore Water Pressure [ksf]	-5.1425e-007	0.153458
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0453178

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.30486e-006	18.6016
Total Consolidation Settlement [in]	-1.30486e-006	18.6016
Virgin Consolidation Settlement [in]	0	11.4379
Recompression Consolidation Settlement [in]	-1.30486e-006	7.16374
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	0	2.01318
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.0859361	4.02566
Total Stress YY [ksf]	-0.0931586	4.02566
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8489.99
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8489.99
Total Strain	-1.11753e-006	0.758056
Pore Water Pressure [ksf]	-0.00123533	1.872
Excess Pore Water Pressure [ksf]	-5.02913e-007	0.0447066
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.046278

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.25602e-006	18.9323
Total Consolidation Settlement [in]	-1.25602e-006	18.9323
Virgin Consolidation Settlement [in]	0	11.7512
Recompression Consolidation Settlement [in]	-1.25602e-006	7.18107
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-3.83506e-012	2.01491
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.0859362	4.02393
Total Stress YY [ksf]	-0.0931588	4.02393
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8471.39
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8471.39
Total Strain	-1.12503e-006	0.75809
Pore Water Pressure [ksf]	-0.0013225	1.872
Excess Pore Water Pressure [ksf]	-5.00059e-007	0.0139721
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0465018

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.24428e-006	19.0637
Total Consolidation Settlement [in]	-1.24428e-006	19.0637
Virgin Consolidation Settlement [in]	0	11.8759
Recompression Consolidation Settlement [in]	-1.24428e-006	7.18779
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-5.97454e-012	2.0156
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.0859362	4.02325
Total Stress YY [ksf]	-0.0931589	4.02325
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8464.02
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8464.02
Total Strain	-1.12693e-006	0.758103
Pore Water Pressure [ksf]	-0.00135765	1.872
Excess Pore Water Pressure [ksf]	-2.76352e-008	0.00155065
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0465866

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.24471e-006	19.0776
Total Consolidation Settlement [in]	-1.24471e-006	19.0776
Virgin Consolidation Settlement [in]	0	11.8891
Recompression Consolidation Settlement [in]	-1.24471e-006	7.1885
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-1.01853e-013	2.01567
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.0859362	4.02317
Total Stress YY [ksf]	-0.093159	4.02317
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8463.24
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8463.24
Total Strain	-1.12703e-006	0.758105
Pore Water Pressure [ksf]	-0.00136127	1.872
Excess Pore Water Pressure [ksf]	-0.000169716	0.000217626
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0465955

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.24511e-006	19.0776
Total Consolidation Settlement [in]	-1.24511e-006	19.0776
Virgin Consolidation Settlement [in]	0	11.8891
Recompression Consolidation Settlement [in]	-1.24511e-006	7.1885
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.52555
Loading Stress XX [ksf]	-0.085936	0.408785
Loading Stress YY [ksf]	-0.0931584	0.403385
Effective Stress ZZ [ksf]	-4.87614e-013	2.01567
Effective Stress XX [ksf]	-0.085936	2.25038
Effective Stress YY [ksf]	-0.0931584	2.25038
Total Stress ZZ [ksf]	0	3.78847
Total Stress XX [ksf]	-0.0859362	4.02317
Total Stress YY [ksf]	-0.093159	4.02317
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8463.24
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8463.24
Total Strain	-1.12718e-006	0.758105
Pore Water Pressure [ksf]	-0.0013613	1.872
Excess Pore Water Pressure [ksf]	-0.000204839	0.000165822
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0136	4.93486
Over-consolidation Ratio	1	10.0003
Void Ratio	0	6.49001
Permeability [ft/d]	0	0.255686
Coefficient of Consolidation [ft ² /d]	0	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0465955

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.52555 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 120 d	1	0
Stage 11 = 150 d	1	0
Stage 12 = 180 d	1	0
Stage 13 = 240 d	1	0
Stage 14 = 270 d	1	0
Stage 15 = 365 d	1	0
Stage 16 = 730 d	1	0
Stage 17 = 1095 d	1	0
Stage 18 = 1825 d	1	0
Stage 19 = 3650 d	1	0
Stage 20 = 7300 d	1	0

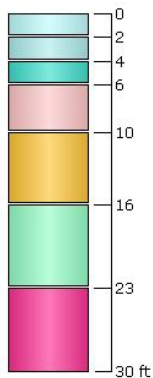
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	2	4	No
4	Very Soft Clay (CH) 4	4	6	No
5	Very Soft to Soft Clay (CH/CL)	6	10	Yes
6	Stiff Clay (CH)	7	16	Yes
7	Clayey Sand	7	23	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
Saturated Unit Weight [kips/ft ³]	0.076	0.088	0.1	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.2	2.93	2.93	0.27
Cr	0.58	0.53	0.53	0.04
e0	6.49	4.9	4.9	1.32
OCR	10	10	5.9	1.6
Cv [ft ² /d]	0.03	0.03	0.03	0.13
Cvr [ft ² /d]	0.03	0.03	0.03	0.13
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Very Soft Clay (CH) 4	Stiff Clay (CH)	Clayey Sand
Color			
Unit Weight [kips/ft ³]	0.1	0.115	0.12
Saturated Unit Weight [kips/ft ³]	0.1	0.115	0.12
K0	1	1	1
Primary Consolidation	Enabled	Enabled	Disabled
Material Type	Non-Linear	Non-Linear	
Cc	0.65	0.21	-
Cr	0.12	0.04	-
e0	2.06	0.92	-
OCR	2.9	5	-
Cv [ft ² /d]	0.12	0.5	-
Cvr [ft ² /d]	0.12	0.5	-
B-bar	1	1	-
Undrained Su A [kips/ft ²]	0	0	0
Undrained Su S	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8
Piezo Line ID	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 75

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000

	El +4.5 feet						El +2.5 feet						El +2.0 feet			
	Time	Settlement	Net at End	Avg			Time	Settlement	Net at	Avg			Time	Settlement	Net at	Avg
	(days)	(feet)	of 31 Days	Void			(days)	(feet)	End of 31	Void			(days)	(feet)	End of	Void
			(feet)	Ratio					Days	Ratio					31 Days	Ratio
									(feet)						(feet)	
	0						0						0			
1	15					1	15					1	15			
2	30					2	30					2	30			
3	31	7.766	0	1.98		3	31	5.136	0	1.94		3	31	4.224	0	1.919
4	45	7.995	0.229	1.84		4	45	5.286	0.15	1.803		4	45	4.36	0.136	1.778
5	75	8.231	0.465	1.72		5	75	5.443	0.307	1.688		5	75	4.488	0.264	1.663
6	90	8.363	0.597	1.604		6	90	5.538	0.402	1.56		6	90	4.571	0.347	1.534
7	150	8.63	0.864	1.45		7	150	5.702	0.566	1.415		7	150	4.703	0.479	1.4
8	180	8.709	0.943	1.42		8	180	5.745	0.609	1.38		8	180	4.733	0.509	1.368
9	240	8.822	1.056	1.36		9	240	5.799	0.663	1.343		9	240	4.77	0.546	1.334
10	270	8.865	1.099	1.34		10	270	5.819	0.683	1.328		10	270	4.783	0.559	1.322
11	365	8.968	1.202	1.29		11	365	5.865	0.729	1.294		11	365	4.805	0.581	1.299
12	455	9.036	1.27	1.26		12	455	5.888	0.752	1.276		12	455	4.816	0.592	1.289
13	730	9.161	1.395	1.197		13	730	5.918	0.782	1.252		13	730	4.819	0.595	1.285
14	1095	9.239	1.473	1.16		14	1095	5.921	0.785	1.25		14	1095	4.819	0.595	1.285
15	1825	9.295	1.529	1.13		15	1825	5.921	0.785	1.25		15	1825	4.819	0.595	1.285
16	3650	9.302	1.536	1.13		16	3650	5.921	0.785	1.25		16	3650	4.819	0.595	1.285
17	7300	9.302	1.536	1.13		17	7300	5.921	0.785	1.25		17	7300	4.819	0.595	1.285

DRAFT

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100 'B456 E1 +2.0 PO-169' 1 1
101 1 1 1
102 6.11 0.0001 50 -0.75 0.5 62.4 0
103 0 0 1
104 1 2.68 0.009 0.098 1.75 2.37 0.796 0.43 10
105 06.25 0.00E+00 1.41E+02
106 02.73 1.00E+00 2.45E-01
107 02.46 2.00E+00 9.02E-02
108 02.11 5.00E+00 2.41E-02
109 01.85 1.00E+01 8.88E-03
110 01.50 2.50E+01 2.37E-03
111 01.23 5.00E+01 8.74E-04
112 00.97 1.00E+02 3.22E-04
113 00.71 2.00E+02 1.19E-04
114 00.44 4.00E+02 4.37E-05
115 20
116 1 60 4 1 6.25 1 35
117 10 2.5 60 4 1 6.25 1 35
118 20 2.5 60 4 1 6.25 1 35
119 30 1 60 4 1 6.25 1 35
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

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 Consolidation and desiccation of soft layers---dredged fill

Problem B456 El +2.0 PO-169

*****Soil data for dredged fill*****

Material Type	Specific Gravity	Ca/Cc	Cr/Cc	Saturation Limit	Disiccation Limit	Max. Crust Depth	Saturation at DL
1	2.680	0.009	0.098	2.370	1.750	0.183	0.430

Material type : 1

	Void Ratio	Effective Stress	Perm-eability	k/1+e PK	Beta	Dsde	Alpha
1	6.250	0.000E+00	0.141E+03	0.194E+02	0.551E+01	-0.284E+00	-0.553E+01
2	2.730	0.100E+01	0.245E+00	0.657E-01	0.512E+01	-0.528E+00	-0.347E-01
3	2.460	0.200E+01	0.902E-01	0.261E-01	0.934E-01	-0.645E+01	-0.168E+00
4	2.110	0.500E+01	0.241E-01	0.775E-02	0.376E-01	-0.131E+02	-0.102E+00
5	1.850	0.100E+02	0.888E-02	0.312E-02	0.111E-01	-0.328E+02	-0.102E+00
6	1.500	0.250E+02	0.237E-02	0.948E-03	0.439E-02	-0.645E+02	-0.612E-01
7	1.230	0.500E+02	0.874E-03	0.392E-03	0.148E-02	-0.142E+03	-0.555E-01
8	0.970	0.100E+03	0.322E-03	0.163E-03	0.620E-03	-0.288E+03	-0.471E-01
9	0.710	0.200E+03	0.119E-03	0.696E-04	0.251E-03	-0.566E+03	-0.394E-01
10	0.440	0.400E+03	0.437E-04	0.303E-04	0.145E-03	-0.741E+03	-0.225E-01

Summary of lifts and print detail

Time days	Material Type	Fill Height	# Sub-layers	Void ratio	Start Day	Dessic. Month	Print detail
0.	1	1.0	35	6.25	60.	4	1
10.	1	2.5	35	6.25	60.	4	1
20.	1	2.5	35	6.25	60.	4	1
30.	1	1.0	35	6.25	60.	4	1
31.					60.	4	1
45.					60.	4	1
75.					60.	4	1
90.					60.	4	1
150.					60.	4	1
180.					60.	4	1
210.					60.	4	1
240.					60.	4	1
270.					60.	4	1

	b420.pso		
365.	60.	4	1
455.	60.	4	1
730.	60.	4	1
1095.	60.	4	1
1825.	60.	4	1
3650.	60.	4	1
7300.	60.	4	1

Summary of monthly rainfall and evaporation potential

Month	Rainfall	Evaporation
1	0.470	0.190
2	0.410	0.280
3	0.440	0.400
4	0.360	0.540
5	0.430	0.600
6	0.460	0.640
7	0.570	0.560
8	0.580	0.530
9	0.420	0.460
10	0.320	0.440
11	0.370	0.290
12	0.410	0.210

*****Calculation data*****

tau	Lower layer Void ratio	Lower layer Permeability	drainage path Length
.868E-04	6.110	0.10000E-03	z = 7.03

Summary of desiccation parameters

Parameter	value
Surface Drainage Efficiency	0.80
maximum evaporation efficiency	0.80

b420.pso

time to desic. after initial fill	60.00
month of initial desiccation	4
elevation of fixed water table	0.50
elevation of top of incompres. found.	-0.75

=====

*****Initial Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
1.00	1.00	0.14	6.25	6.25	6.25	1
0.97	0.97	0.13	6.25	6.25	4.80	1
0.94	0.94	0.13	6.25	6.25	3.34	1
0.91	0.91	0.13	6.25	6.25	2.67	1
0.89	0.89	0.12	6.25	6.25	2.55	1
0.86	0.86	0.12	6.25	6.25	2.45	1
0.83	0.83	0.11	6.25	6.25	2.40	1
0.80	0.80	0.11	6.25	6.25	2.36	1
0.77	0.77	0.11	6.25	6.25	2.31	1
0.74	0.74	0.10	6.25	6.25	2.26	1
0.71	0.71	0.10	6.25	6.25	2.21	1
0.69	0.69	0.09	6.25	6.25	2.16	1
0.66	0.66	0.09	6.25	6.25	2.11	1
0.63	0.63	0.09	6.25	6.25	2.09	1
0.60	0.60	0.08	6.25	6.25	2.07	1
0.57	0.57	0.08	6.25	6.25	2.05	1
0.54	0.54	0.07	6.25	6.25	2.03	1
0.51	0.51	0.07	6.25	6.25	2.00	1
0.49	0.49	0.07	6.25	6.25	1.98	1
0.46	0.46	0.06	6.25	6.25	1.96	1
0.43	0.43	0.06	6.25	6.25	1.94	1
0.40	0.40	0.06	6.25	6.25	1.92	1
0.37	0.37	0.05	6.25	6.25	1.90	1
0.34	0.34	0.05	6.25	6.25	1.88	1
0.31	0.31	0.04	6.25	6.25	1.85	1
0.29	0.29	0.04	6.25	6.25	1.84	1
0.26	0.26	0.04	6.25	6.25	1.83	1
0.23	0.23	0.03	6.25	6.25	1.82	1
0.20	0.20	0.03	6.25	6.25	1.81	1
0.17	0.17	0.02	6.25	6.25	1.80	1
0.14	0.14	0.02	6.25	6.25	1.79	1
0.11	0.11	0.02	6.25	6.25	1.78	1
0.09	0.09	0.01	6.25	6.25	1.77	1
0.06	0.06	0.01	6.25	6.25	1.77	1
0.03	0.03	0.00	6.25	6.25	1.76	1
0.00	0.00	0.00	6.25	6.25	1.75	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.00	15.60	0.00	15.60	15.60	0.00	1
0.97	17.80	0.00	17.80	17.38	0.41	1
0.94	19.99	0.00	19.99	19.17	0.83	1
0.91	22.19	0.00	22.19	20.95	1.24	1
0.89	24.38	0.00	24.38	22.73	1.65	1
0.86	26.58	0.00	26.58	24.51	2.07	1

			b420.pso			
0.83	28.78	0.00	28.78	26.30	2.48	1
0.80	30.97	0.00	30.97	28.08	2.89	1
0.77	33.17	0.00	33.17	29.86	3.31	1
0.74	35.36	0.00	35.36	31.65	3.72	1
0.71	37.56	0.00	37.56	33.43	4.13	1
0.69	39.76	0.00	39.76	35.21	4.54	1
0.66	41.95	0.00	41.95	36.99	4.96	1
0.63	44.15	0.00	44.15	38.78	5.37	1
0.60	46.34	0.00	46.34	40.56	5.78	1
0.57	48.54	0.00	48.54	42.34	6.20	1
0.54	50.74	0.00	50.74	44.13	6.61	1
0.51	52.93	0.00	52.93	45.91	7.02	1
0.49	55.13	0.00	55.13	47.69	7.44	1
0.46	57.32	0.00	57.32	49.47	7.85	1
0.43	59.52	0.00	59.52	51.26	8.26	1
0.40	61.72	0.00	61.72	53.04	8.68	1
0.37	63.91	0.00	63.91	54.82	9.09	1
0.34	66.11	0.00	66.11	56.61	9.50	1
0.31	68.30	0.00	68.30	58.39	9.92	1
0.29	70.50	0.00	70.50	60.17	10.33	1
0.26	72.70	0.00	72.70	61.95	10.74	1
0.23	74.89	0.00	74.89	63.74	11.15	1
0.20	77.09	0.00	77.09	65.52	11.57	1
0.17	79.28	0.00	79.28	67.30	11.98	1
0.14	81.48	0.00	81.48	69.09	12.39	1
0.11	83.68	0.00	83.68	70.87	12.81	1
0.09	85.87	0.00	85.87	72.65	13.22	1
0.06	88.07	0.00	88.07	74.43	13.63	1
0.03	90.26	0.00	90.26	76.22	14.05	1
0.00	92.46	0.00	92.46	78.00	14.46	1

Time = 0. Degree of Consolidation = 0.0%

Total Settlement = 0.000

Settlement at End of Primary Consolidation = 0.558

Settlement caused by Primary Consolidation at time 0. = 0.000

Settlement caused by Secondary Compression at time 0. = 0.000

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
1.00	0.44	0.14	6.25	6.25	6.25	1
0.97	0.42	0.13	6.25	4.89	4.80	1
0.94	0.40	0.13	6.25	3.58	3.34	1
0.91	0.38	0.13	6.25	2.67	2.67	1
0.89	0.37	0.12	6.25	2.55	2.55	1
0.86	0.35	0.12	6.25	2.46	2.45	1
0.83	0.34	0.11	6.25	2.40	2.40	1
0.80	0.33	0.11	6.25	2.36	2.36	1
0.77	0.31	0.11	6.25	2.31	2.31	1
0.74	0.30	0.10	6.25	2.26	2.26	1
0.71	0.29	0.10	6.25	2.21	2.21	1
0.69	0.28	0.09	6.25	2.17	2.16	1

			b420.pso			
0.66	0.26	0.09	6.25	2.14	2.11	1
0.63	0.25	0.09	6.25	2.10	2.09	1
0.60	0.24	0.08	6.25	2.07	2.07	1
0.57	0.23	0.08	6.25	2.05	2.05	1
0.54	0.21	0.07	6.25	2.03	2.03	1
0.51	0.20	0.07	6.25	2.00	2.00	1
0.49	0.19	0.07	6.25	1.98	1.98	1
0.46	0.18	0.06	6.25	1.96	1.96	1
0.43	0.17	0.06	6.25	1.94	1.94	1
0.40	0.16	0.06	6.25	1.92	1.92	1
0.37	0.14	0.05	6.25	1.91	1.90	1
0.34	0.13	0.05	6.25	1.89	1.88	1
0.31	0.12	0.04	6.25	1.88	1.85	1
0.29	0.11	0.04	6.25	1.86	1.84	1
0.26	0.10	0.04	6.25	1.85	1.83	1
0.23	0.09	0.03	6.25	1.84	1.82	1
0.20	0.08	0.03	6.25	1.83	1.81	1
0.17	0.07	0.02	6.25	1.81	1.80	1
0.14	0.05	0.02	6.25	1.80	1.79	1
0.11	0.04	0.02	6.25	1.79	1.78	1
0.09	0.03	0.01	6.25	1.78	1.77	1
0.06	0.02	0.01	6.25	1.77	1.77	1
0.03	0.01	0.00	6.25	1.76	1.76	1
0.00	0.00	0.00	6.25	1.75	1.75	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
0.44	50.27	0.00	50.27	50.27	0.00	1
0.42	52.30	0.39	51.91	51.89	0.03	1
0.40	54.01	0.76	53.25	53.18	0.07	1
0.38	55.41	1.24	54.17	54.17	0.00	1
0.37	56.71	1.65	55.06	55.06	0.00	1
0.35	57.99	1.99	56.00	55.92	0.07	1
0.34	59.24	2.47	56.77	56.77	0.01	1
0.33	60.49	2.89	57.60	57.60	0.00	1
0.31	61.72	3.31	58.42	58.42	0.00	1
0.30	62.94	3.72	59.22	59.22	0.00	1
0.29	64.15	4.11	60.04	60.02	0.02	1
0.28	65.35	4.46	60.89	60.80	0.08	1
0.26	66.54	4.78	61.76	61.58	0.18	1
0.25	67.72	5.14	62.58	62.35	0.24	1
0.24	68.89	5.69	63.20	63.11	0.09	1
0.23	70.06	6.18	63.87	63.86	0.02	1
0.21	71.22	6.61	64.61	64.61	0.00	1
0.20	72.37	7.02	65.35	65.35	0.00	1
0.19	73.52	7.44	66.08	66.08	0.00	1
0.18	74.66	7.85	66.81	66.81	0.00	1
0.17	75.80	8.23	67.58	67.54	0.04	1
0.16	76.94	8.57	68.36	68.26	0.10	1
0.14	78.07	8.90	69.17	68.98	0.19	1
0.13	79.19	9.20	70.00	69.69	0.31	1
0.12	80.32	9.48	70.84	70.40	0.44	1
0.11	81.44	9.74	71.69	71.11	0.58	1
0.10	82.55	10.00	72.55	71.81	0.74	1
0.09	83.66	10.54	73.13	72.51	0.62	1
0.08	84.77	11.06	73.71	73.20	0.50	1
0.07	85.88	11.58	74.30	73.90	0.40	1
0.05	86.98	12.07	74.91	74.59	0.32	1
0.04	88.08	12.55	75.53	75.28	0.25	1
0.03	89.18	13.02	76.16	75.96	0.20	1
0.02	90.28	13.48	76.80	76.64	0.16	1

0.01	91.37	13.92	b420.pso 77.45	77.32	0.13	1
0.00	92.46	14.34	78.12	78.00	0.12	1

Time = 10. Degree of Consolidation = 100.0%

Total Settlement = 0.556

Settlement at End of Primary Consolidation = 0.558

Settlement caused by Primary Consolidation at time 10. = 0.556

Settlement caused by Secondary Compression at time 10. = 0.000

Surface Elevation = -0.31

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
3.50	1.40	0.48	6.25	6.25	6.25	1
3.43	1.35	0.47	6.25	2.72	2.72	1
3.36	1.31	0.46	6.25	2.45	2.45	1
3.29	1.28	0.45	6.25	2.33	2.33	1
3.21	1.25	0.44	6.25	2.22	2.21	1
3.14	1.21	0.43	6.25	2.14	2.10	1
3.07	1.18	0.42	6.25	2.09	2.05	1
3.00	1.15	0.41	6.25	2.04	1.99	1
2.93	1.12	0.40	6.25	2.01	1.94	1
2.86	1.09	0.39	6.25	1.99	1.89	1
2.79	1.07	0.38	6.25	1.97	1.84	1
2.71	1.04	0.37	6.25	1.95	1.82	1
2.64	1.01	0.36	6.25	1.94	1.79	1
2.57	0.98	0.35	6.25	1.93	1.77	1
2.50	0.95	0.34	6.25	1.92	1.75	1
2.43	0.92	0.33	6.25	1.91	1.72	1
2.36	0.89	0.33	6.25	1.90	1.70	1
2.29	0.86	0.32	6.25	1.89	1.67	1
2.21	0.83	0.31	6.25	1.88	1.65	1
2.14	0.81	0.30	6.25	1.88	1.63	1
2.07	0.78	0.29	6.25	1.87	1.60	1
2.00	0.75	0.28	6.25	1.86	1.58	1
1.93	0.72	0.27	6.25	1.85	1.55	1
1.86	0.69	0.26	6.25	1.85	1.53	1
1.79	0.67	0.25	6.25	1.84	1.50	1
1.71	0.64	0.24	6.25	1.83	1.49	1
1.64	0.61	0.23	6.25	1.82	1.48	1
1.57	0.58	0.22	6.25	1.81	1.47	1
1.50	0.55	0.21	6.25	1.80	1.46	1
1.43	0.53	0.20	6.25	1.79	1.45	1
1.36	0.50	0.19	6.25	1.78	1.44	1
1.29	0.47	0.18	6.25	1.77	1.42	1
1.21	0.44	0.17	6.25	1.76	1.41	1
1.14	0.42	0.16	6.25	1.75	1.40	1
1.07	0.39	0.15	6.25	1.74	1.39	1
1.00	0.36	0.14	6.25	1.73	1.38	1
1.00	0.36	0.14	6.25	1.73	1.38	1
0.97	0.35	0.13	6.25	1.72	1.38	1

			b420.pso			
0.94	0.34	0.13	6.25	1.72	1.37	1
0.91	0.33	0.13	6.25	1.71	1.37	1
0.89	0.32	0.12	6.25	1.71	1.36	1
0.86	0.31	0.12	6.25	1.70	1.36	1
0.83	0.30	0.11	6.25	1.70	1.35	1
0.80	0.29	0.11	6.25	1.70	1.35	1
0.77	0.28	0.11	6.25	1.69	1.34	1
0.74	0.27	0.10	6.25	1.69	1.34	1
0.71	0.26	0.10	6.25	1.68	1.33	1
0.69	0.25	0.09	6.25	1.68	1.33	1
0.66	0.24	0.09	6.25	1.67	1.33	1
0.63	0.23	0.09	6.25	1.66	1.32	1
0.60	0.22	0.08	6.25	1.66	1.32	1
0.57	0.20	0.08	6.25	1.65	1.31	1
0.54	0.19	0.07	6.25	1.65	1.31	1
0.51	0.18	0.07	6.25	1.64	1.30	1
0.49	0.17	0.07	6.25	1.64	1.30	1
0.46	0.16	0.06	6.25	1.63	1.29	1
0.43	0.15	0.06	6.25	1.63	1.29	1
0.40	0.14	0.06	6.25	1.62	1.29	1
0.37	0.13	0.05	6.25	1.62	1.28	1
0.34	0.12	0.05	6.25	1.61	1.28	1
0.31	0.11	0.04	6.25	1.60	1.27	1
0.29	0.10	0.04	6.25	1.60	1.27	1
0.26	0.09	0.04	6.25	1.59	1.26	1
0.23	0.08	0.03	6.25	1.59	1.26	1
0.20	0.07	0.03	6.25	1.58	1.25	1
0.17	0.06	0.02	6.25	1.57	1.25	1
0.14	0.05	0.02	6.25	1.57	1.25	1
0.11	0.04	0.02	6.25	1.56	1.24	1
0.09	0.03	0.01	6.25	1.55	1.24	1
0.06	0.02	0.01	6.25	1.55	1.23	1
0.03	0.01	0.00	6.25	1.54	1.23	1
0.00	0.00	0.00	6.25	1.53	1.23	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
1.40	0.00	0.00	0.00	0.00	0.00	1
1.35	4.16	1.03	3.13	3.13	0.00	1
1.31	7.38	2.07	5.32	5.32	0.00	1
1.28	10.50	3.10	7.40	7.40	0.00	1
1.25	13.55	4.03	9.51	9.41	0.10	1
1.21	16.53	4.71	11.83	11.37	0.46	1
1.18	19.48	5.46	14.02	13.28	0.74	1
1.15	22.40	6.27	16.13	15.17	0.96	1
1.12	25.29	6.86	18.43	17.03	1.40	1
1.09	28.17	7.32	20.84	18.87	1.97	1
1.07	31.03	7.69	23.34	20.71	2.64	1
1.04	33.89	7.99	25.89	22.53	3.37	1
1.01	36.73	8.25	28.48	24.34	4.14	1
0.98	39.57	8.47	31.10	26.14	4.95	1
0.95	42.40	8.67	33.73	27.94	5.79	1
0.92	45.22	8.85	36.37	29.73	6.64	1
0.89	48.04	9.02	39.02	31.52	7.50	1
0.86	50.86	9.18	41.67	33.30	8.37	1
0.83	53.67	9.34	44.33	35.07	9.25	1
0.81	56.47	9.49	46.98	36.85	10.13	1
0.78	59.27	9.64	49.63	38.61	11.02	1
0.75	62.06	9.79	52.27	40.37	11.90	1
0.72	64.85	9.94	54.91	42.13	12.78	1
0.69	67.64	10.20	57.43	43.88	13.55	1

			b420.pso			
0.67	70.42	10.56	59.86	45.63	14.23	1
0.64	73.19	10.92	62.27	47.37	14.90	1
0.61	75.96	11.29	64.67	49.11	15.56	1
0.58	78.72	11.68	67.04	50.84	16.21	1
0.55	81.48	12.08	69.40	52.56	16.84	1
0.53	84.23	12.49	71.75	54.28	17.46	1
0.50	86.98	12.91	74.07	55.99	18.07	1
0.47	89.72	13.35	76.37	57.70	18.67	1
0.44	92.45	13.80	78.66	59.40	19.26	1
0.42	95.18	14.26	80.92	61.10	19.83	1
0.39	97.90	14.73	83.17	62.78	20.38	1
0.36	100.61	15.22	85.39	64.47	20.93	1
0.36	100.61	15.22	85.39	64.47	20.93	1
0.35	101.70	15.41	86.28	65.14	21.15	1
0.34	102.78	15.61	87.17	65.80	21.36	1
0.33	103.86	15.81	88.05	66.47	21.58	1
0.32	104.94	16.01	88.93	67.14	21.79	1
0.31	106.02	16.22	89.80	67.81	22.00	1
0.30	107.10	16.42	90.67	68.47	22.20	1
0.29	108.17	16.63	91.54	69.13	22.41	1
0.28	109.25	16.84	92.41	69.80	22.61	1
0.27	110.32	17.06	93.27	70.46	22.81	1
0.26	111.40	17.27	94.12	71.12	23.01	1
0.25	112.47	17.49	94.98	71.78	23.20	1
0.24	113.54	17.71	95.83	72.43	23.40	1
0.23	114.61	17.93	96.68	73.09	23.59	1
0.22	115.68	18.16	97.52	73.74	23.78	1
0.20	116.74	18.38	98.36	74.40	23.96	1
0.19	117.81	18.61	99.19	75.05	24.14	1
0.18	118.87	18.85	100.02	75.70	24.33	1
0.17	119.93	19.08	100.85	76.35	24.50	1
0.16	121.00	19.32	101.68	77.00	24.68	1
0.15	122.05	19.56	102.50	77.64	24.85	1
0.14	123.11	19.80	103.31	78.29	25.02	1
0.13	124.17	20.05	104.12	78.93	25.19	1
0.12	125.23	20.29	104.93	79.57	25.36	1
0.11	126.28	20.55	105.73	80.22	25.52	1
0.10	127.33	20.80	106.53	80.86	25.68	1
0.09	128.38	21.06	107.33	81.49	25.83	1
0.08	129.43	21.32	108.12	82.13	25.99	1
0.07	130.48	21.58	108.90	82.77	26.14	1
0.06	131.53	21.84	109.69	83.40	26.29	1
0.05	132.57	22.11	110.46	84.03	26.43	1
0.04	133.62	22.38	111.23	84.66	26.57	1
0.03	134.66	22.66	112.00	85.29	26.71	1
0.02	135.70	22.94	112.76	85.92	26.84	1
0.01	136.74	23.22	113.52	86.54	26.97	1
0.00	137.78	23.51	114.27	87.17	27.10	1

Time = 20. Degree of Consolidation = 95.0%

Total Settlement = 2.103

Settlement at End of Primary Consolidation = 2.221

Settlement caused by Primary Consolidation at time 20. = 2.103

Settlement caused by Secondary Compression at time 20. = 0.000

Surface Elevation = 0.65

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
6.00	2.34	0.83	6.25	6.25	6.25	1
5.93	2.29	0.82	6.25	2.72	2.72	1
5.86	2.26	0.81	6.25	2.45	2.45	1
5.79	2.22	0.80	6.25	2.33	2.33	1
5.71	2.19	0.79	6.25	2.23	2.21	1
5.64	2.16	0.78	6.25	2.16	2.10	1
5.57	2.13	0.77	6.25	2.10	2.05	1
5.50	2.10	0.76	6.25	2.07	1.99	1
5.43	2.07	0.75	6.25	2.04	1.94	1
5.36	2.04	0.74	6.25	2.02	1.89	1
5.29	2.01	0.73	6.25	2.00	1.84	1
5.21	1.98	0.72	6.25	1.99	1.82	1
5.14	1.95	0.71	6.25	1.98	1.79	1
5.07	1.92	0.70	6.25	1.97	1.77	1
5.00	1.89	0.69	6.25	1.96	1.75	1
4.93	1.86	0.68	6.25	1.95	1.72	1
4.86	1.83	0.67	6.25	1.95	1.70	1
4.79	1.80	0.66	6.25	1.94	1.67	1
4.71	1.77	0.65	6.25	1.94	1.65	1
4.64	1.74	0.64	6.25	1.93	1.63	1
4.57	1.72	0.63	6.25	1.93	1.60	1
4.50	1.69	0.62	6.25	1.92	1.58	1
4.43	1.66	0.61	6.25	1.92	1.55	1
4.36	1.63	0.60	6.25	1.91	1.53	1
4.29	1.60	0.59	6.25	1.91	1.50	1
4.21	1.57	0.58	6.25	1.90	1.49	1
4.14	1.54	0.57	6.25	1.90	1.48	1
4.07	1.52	0.56	6.25	1.89	1.47	1
4.00	1.49	0.55	6.25	1.89	1.46	1
3.93	1.46	0.54	6.25	1.88	1.45	1
3.86	1.43	0.53	6.25	1.88	1.44	1
3.79	1.40	0.52	6.25	1.87	1.42	1
3.71	1.37	0.51	6.25	1.87	1.41	1
3.64	1.35	0.50	6.25	1.86	1.40	1
3.57	1.32	0.49	6.25	1.86	1.39	1
3.50	1.29	0.48	6.25	1.85	1.38	1
3.50	1.29	0.48	6.25	1.85	1.38	1
3.43	1.26	0.47	6.25	1.85	1.37	1
3.36	1.23	0.46	6.25	1.84	1.36	1
3.29	1.20	0.45	6.25	1.84	1.35	1
3.21	1.18	0.44	6.25	1.83	1.33	1
3.14	1.15	0.43	6.25	1.83	1.32	1
3.07	1.12	0.42	6.25	1.82	1.31	1
3.00	1.09	0.41	6.25	1.81	1.30	1
2.93	1.07	0.40	6.25	1.81	1.29	1
2.86	1.04	0.39	6.25	1.80	1.28	1
2.79	1.01	0.38	6.25	1.79	1.27	1
2.71	0.98	0.37	6.25	1.79	1.26	1
2.64	0.96	0.36	6.25	1.78	1.25	1
2.57	0.93	0.35	6.25	1.77	1.23	1
2.50	0.90	0.34	6.25	1.77	1.23	1
2.43	0.87	0.33	6.25	1.76	1.22	1
2.36	0.85	0.33	6.25	1.75	1.22	1
2.29	0.82	0.32	6.25	1.74	1.21	1
2.21	0.79	0.31	6.25	1.74	1.21	1

b420.pso

2.14	0.77	0.30	6.25	1.73	1.20	1
2.07	0.74	0.29	6.25	1.72	1.19	1
2.00	0.71	0.28	6.25	1.71	1.19	1
1.93	0.69	0.27	6.25	1.70	1.18	1
1.86	0.66	0.26	6.25	1.70	1.18	1
1.79	0.63	0.25	6.25	1.69	1.17	1
1.71	0.61	0.24	6.25	1.68	1.17	1
1.64	0.58	0.23	6.25	1.67	1.16	1
1.57	0.55	0.22	6.25	1.66	1.16	1
1.50	0.53	0.21	6.25	1.65	1.15	1
1.43	0.50	0.20	6.25	1.64	1.15	1
1.36	0.48	0.19	6.25	1.64	1.14	1
1.29	0.45	0.18	6.25	1.63	1.14	1
1.21	0.42	0.17	6.25	1.62	1.13	1
1.14	0.40	0.16	6.25	1.61	1.12	1
1.07	0.37	0.15	6.25	1.60	1.12	1
1.00	0.35	0.14	6.25	1.59	1.11	1
1.00	0.35	0.14	6.25	1.59	1.11	1
0.97	0.34	0.13	6.25	1.58	1.11	1
0.94	0.33	0.13	6.25	1.58	1.11	1
0.91	0.32	0.13	6.25	1.58	1.11	1
0.89	0.31	0.12	6.25	1.57	1.11	1
0.86	0.30	0.12	6.25	1.57	1.10	1
0.83	0.29	0.11	6.25	1.56	1.10	1
0.80	0.28	0.11	6.25	1.56	1.10	1
0.77	0.27	0.11	6.25	1.55	1.10	1
0.74	0.26	0.10	6.25	1.55	1.09	1
0.71	0.25	0.10	6.25	1.55	1.09	1
0.69	0.24	0.09	6.25	1.54	1.09	1
0.66	0.23	0.09	6.25	1.54	1.09	1
0.63	0.22	0.09	6.25	1.53	1.09	1
0.60	0.21	0.08	6.25	1.53	1.08	1
0.57	0.20	0.08	6.25	1.52	1.08	1
0.54	0.19	0.07	6.25	1.52	1.08	1
0.51	0.18	0.07	6.25	1.52	1.08	1
0.49	0.17	0.07	6.25	1.51	1.08	1
0.46	0.16	0.06	6.25	1.51	1.07	1
0.43	0.15	0.06	6.25	1.50	1.07	1
0.40	0.14	0.06	6.25	1.50	1.07	1
0.37	0.13	0.05	6.25	1.49	1.07	1
0.34	0.12	0.05	6.25	1.49	1.06	1
0.31	0.11	0.04	6.25	1.48	1.06	1
0.29	0.10	0.04	6.25	1.48	1.06	1
0.26	0.09	0.04	6.25	1.47	1.06	1
0.23	0.08	0.03	6.25	1.47	1.06	1
0.20	0.07	0.03	6.25	1.46	1.05	1
0.17	0.06	0.02	6.25	1.46	1.05	1
0.14	0.05	0.02	6.25	1.45	1.05	1
0.11	0.04	0.02	6.25	1.45	1.05	1
0.09	0.03	0.01	6.25	1.44	1.05	1
0.06	0.02	0.01	6.25	1.44	1.04	1
0.03	0.01	0.00	6.25	1.43	1.04	1
0.00	0.00	0.00	6.25	1.43	1.04	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.34	0.00	0.00	0.00	0.00	0.00	1
2.29	4.16	1.03	3.13	3.13	0.00	1
2.26	7.38	2.07	5.32	5.32	0.00	1
2.22	10.50	3.10	7.40	7.40	0.00	1
2.19	13.55	3.97	9.57	9.42	0.16	1

2.16	16.54	4.60	b420.pso 11.94	11.38	0.57	1
2.13	19.50	5.12	14.38	13.30	1.08	1
2.10	22.43	5.86	16.57	15.20	1.37	1
2.07	25.34	6.39	18.94	17.07	1.87	1
2.04	28.23	6.79	21.44	18.93	2.50	1
2.01	31.11	7.10	24.01	20.78	3.23	1
1.98	33.98	7.35	26.63	22.62	4.01	1
1.95	36.85	7.56	29.29	24.46	4.84	1
1.92	39.71	7.73	31.98	26.28	5.69	1
1.89	42.57	7.88	34.68	28.11	6.58	1
1.86	45.42	8.02	37.40	29.92	7.48	1
1.83	48.26	8.14	40.13	31.74	8.39	1
1.80	51.11	8.25	42.86	33.55	9.31	1
1.77	53.94	8.36	45.59	35.35	10.24	1
1.74	56.78	8.46	48.33	37.16	11.17	1
1.72	59.61	8.55	51.06	38.96	12.10	1
1.69	62.44	8.65	53.80	40.75	13.04	1
1.66	65.27	8.74	56.53	42.55	13.98	1
1.63	68.09	8.83	59.26	44.34	14.93	1
1.60	70.91	8.92	61.99	46.13	15.87	1
1.57	73.73	9.01	64.72	47.91	16.81	1
1.54	76.55	9.10	67.45	49.69	17.75	1
1.52	79.36	9.19	70.17	51.47	18.70	1
1.49	82.17	9.28	72.89	53.25	19.64	1
1.46	84.98	9.37	75.60	55.02	20.58	1
1.43	87.78	9.47	78.31	56.79	21.52	1
1.40	90.58	9.56	81.02	58.56	22.46	1
1.37	93.38	9.66	83.72	60.33	23.39	1
1.35	96.17	9.77	86.40	62.09	24.32	1
1.32	98.96	9.89	89.08	63.85	25.23	1
1.29	101.75	10.03	91.72	65.60	26.12	1
1.29	101.75	10.03	91.72	65.60	26.12	1
1.26	104.53	10.18	94.35	67.35	27.00	1
1.23	107.31	10.37	96.95	69.10	27.85	1
1.20	110.09	10.58	99.51	70.84	28.66	1
1.18	112.87	10.82	102.05	72.59	29.46	1
1.15	115.64	11.07	104.57	74.32	30.25	1
1.12	118.41	11.32	107.08	76.06	31.02	1
1.09	121.17	11.59	109.58	77.79	31.79	1
1.07	123.93	11.86	112.07	79.52	32.56	1
1.04	126.69	12.13	114.55	81.24	33.31	1
1.01	129.44	12.41	117.02	82.96	34.06	1
0.98	132.19	12.70	119.49	84.68	34.81	1
0.96	134.93	13.00	121.94	86.39	35.55	1
0.93	137.67	13.29	124.38	88.10	36.28	1
0.90	140.41	13.60	126.81	89.80	37.01	1
0.87	143.14	13.91	129.23	91.50	37.73	1
0.85	145.86	14.23	131.64	93.19	38.45	1
0.82	148.59	14.55	134.04	94.88	39.16	1
0.79	151.30	14.87	136.43	96.56	39.87	1
0.77	154.02	15.20	138.81	98.24	40.57	1
0.74	156.72	15.54	141.18	99.92	41.26	1
0.71	159.43	15.88	143.54	101.59	41.96	1
0.69	162.13	16.23	145.89	103.25	42.64	1
0.66	164.82	16.58	148.24	104.91	43.32	1
0.63	167.51	16.94	150.57	106.57	44.00	1
0.61	170.19	17.30	152.88	108.22	44.67	1
0.58	172.87	17.67	155.19	109.86	45.33	1
0.55	175.54	18.05	157.49	111.50	45.99	1
0.53	178.21	18.43	159.78	113.14	46.64	1
0.50	180.87	18.81	162.05	114.77	47.29	1
0.48	183.52	19.21	164.32	116.39	47.93	1
0.45	186.17	19.60	166.57	118.01	48.56	1

			b420.pso			
0.42	188.82	20.01	168.81	119.62	49.19	1
0.40	191.46	20.42	171.04	121.22	49.81	1
0.37	194.09	20.84	173.25	122.82	50.43	1
0.35	196.71	21.26	175.45	124.42	51.04	1
0.35	196.71	21.26	175.45	124.42	51.04	1
0.34	197.76	21.43	176.33	125.05	51.28	1
0.33	198.81	21.60	177.21	125.69	51.52	1
0.32	199.86	21.77	178.08	126.32	51.76	1
0.31	200.90	21.95	178.96	126.95	52.00	1
0.30	201.95	22.12	179.83	127.59	52.24	1
0.29	202.99	22.30	180.69	128.22	52.48	1
0.28	204.04	22.48	181.56	128.85	52.71	1
0.27	205.08	22.66	182.42	129.47	52.95	1
0.26	206.12	22.84	183.28	130.10	53.18	1
0.25	207.16	23.02	184.14	130.73	53.41	1
0.24	208.20	23.20	184.99	131.35	53.64	1
0.23	209.23	23.39	185.85	131.98	53.87	1
0.22	210.27	23.58	186.70	132.60	54.09	1
0.21	211.31	23.76	187.54	133.22	54.32	1
0.20	212.34	23.95	188.39	133.85	54.54	1
0.19	213.37	24.15	189.23	134.47	54.76	1
0.18	214.41	24.34	190.07	135.09	54.98	1
0.17	215.44	24.54	190.90	135.70	55.20	1
0.16	216.47	24.74	191.73	136.32	55.41	1
0.15	217.50	24.94	192.56	136.94	55.62	1
0.14	218.52	25.30	193.23	137.55	55.68	1
0.13	219.55	25.73	193.82	138.16	55.65	1
0.12	220.58	26.17	194.40	138.78	55.63	1
0.11	221.60	26.61	194.99	139.39	55.60	1
0.10	222.62	27.06	195.57	140.00	55.57	1
0.09	223.65	27.50	196.15	140.61	55.54	1
0.08	224.67	27.94	196.72	141.21	55.51	1
0.07	225.69	28.39	197.30	141.82	55.48	1
0.06	226.70	28.84	197.87	142.43	55.44	1
0.05	227.72	29.28	198.44	143.03	55.41	1
0.04	228.74	29.73	199.00	143.63	55.37	1
0.03	229.75	30.18	199.57	144.23	55.34	1
0.02	230.77	30.63	200.13	144.83	55.30	1
0.01	231.78	31.08	200.69	145.43	55.26	1
0.00	232.79	31.54	201.25	146.03	55.22	1

Time = 30. Degree of Consolidation = 92.0%

Total Settlement = 3.660

Settlement at End of Primary Consolidation = 3.986

Settlement caused by Primary Consolidation at time 30. = 3.660

Settlement caused by Secondary Compression at time 30. = 0.000

Surface Elevation = 1.59

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
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DRAFT

7.00	2.78	0.97	b420.pso	6.25	6.25	1
6.97	2.75	0.96		6.25	4.89	1
6.94	2.73	0.96		6.25	3.58	1
6.91	2.71	0.95		6.25	2.67	1
6.89	2.70	0.95		6.25	2.55	1
6.86	2.69	0.95		6.25	2.47	1
6.83	2.67	0.94		6.25	2.44	1
6.80	2.66	0.94		6.25	2.41	1
6.77	2.64	0.93		6.25	2.39	1
6.74	2.63	0.93		6.25	2.37	1
6.71	2.62	0.93		6.25	2.35	1
6.69	2.60	0.92		6.25	2.34	1
6.66	2.59	0.92		6.25	2.33	1
6.63	2.58	0.91		6.25	2.32	1
6.60	2.57	0.91		6.25	2.31	1
6.57	2.55	0.91		6.25	2.30	1
6.54	2.54	0.90		6.25	2.29	1
6.51	2.53	0.90		6.25	2.28	1
6.49	2.51	0.89		6.25	2.27	1
6.46	2.50	0.89		6.25	2.26	1
6.43	2.49	0.89		6.25	2.25	1
6.40	2.48	0.88		6.25	2.25	1
6.37	2.46	0.88		6.25	2.24	1
6.34	2.45	0.87		6.25	2.23	1
6.31	2.44	0.87		6.25	2.22	1
6.29	2.42	0.87		6.25	2.22	1
6.26	2.41	0.86		6.25	2.21	1
6.23	2.40	0.86		6.25	2.20	1
6.20	2.39	0.86		6.25	2.19	1
6.17	2.37	0.85		6.25	2.18	1
6.14	2.36	0.85		6.25	2.18	1
6.11	2.35	0.84		6.25	2.17	1
6.09	2.34	0.84		6.25	2.16	1
6.06	2.32	0.84		6.25	2.15	1
6.03	2.31	0.83		6.25	2.15	1
6.00	2.30	0.83		6.25	2.14	1
6.00	2.30	0.83		6.25	2.14	1
5.93	2.27	0.82		6.25	2.12	1
5.86	2.24	0.81		6.25	2.10	1
5.79	2.21	0.80		6.25	2.08	1
5.71	2.18	0.79		6.25	2.06	1
5.64	2.15	0.78		6.25	2.05	1
5.57	2.12	0.77		6.25	2.03	1
5.50	2.09	0.76		6.25	2.02	1
5.43	2.06	0.75		6.25	2.00	1
5.36	2.03	0.74		6.25	1.99	1
5.29	2.00	0.73		6.25	1.98	1
5.21	1.97	0.72		6.25	1.97	1
5.14	1.94	0.71		6.25	1.96	1
5.07	1.91	0.70		6.25	1.95	1
5.00	1.88	0.69		6.25	1.95	1
4.93	1.85	0.68		6.25	1.94	1
4.86	1.82	0.67		6.25	1.93	1
4.79	1.79	0.66		6.25	1.93	1
4.71	1.77	0.65		6.25	1.92	1
4.64	1.74	0.64		6.25	1.92	1
4.57	1.71	0.63		6.25	1.91	1
4.50	1.68	0.62		6.25	1.91	1
4.43	1.65	0.61		6.25	1.90	1
4.36	1.62	0.60		6.25	1.90	1
4.29	1.59	0.59		6.25	1.89	1
4.21	1.57	0.58		6.25	1.89	1
4.14	1.54	0.57		6.25	1.88	1

			b420.pso			
4.07	1.51	0.56	6.25	1.88	1.31	1
4.00	1.48	0.55	6.25	1.87	1.30	1
3.93	1.45	0.54	6.25	1.87	1.29	1
3.86	1.42	0.53	6.25	1.86	1.28	1
3.79	1.40	0.52	6.25	1.86	1.27	1
3.71	1.37	0.51	6.25	1.85	1.26	1
3.64	1.34	0.50	6.25	1.85	1.25	1
3.57	1.31	0.49	6.25	1.84	1.23	1
3.50	1.28	0.48	6.25	1.84	1.23	1
3.50	1.28	0.48	6.25	1.84	1.23	1
3.43	1.26	0.47	6.25	1.83	1.22	1
3.36	1.23	0.46	6.25	1.83	1.22	1
3.29	1.20	0.45	6.25	1.82	1.21	1
3.21	1.17	0.44	6.25	1.82	1.21	1
3.14	1.14	0.43	6.25	1.81	1.20	1
3.07	1.12	0.42	6.25	1.81	1.19	1
3.00	1.09	0.41	6.25	1.80	1.19	1
2.93	1.06	0.40	6.25	1.79	1.18	1
2.86	1.03	0.39	6.25	1.79	1.18	1
2.79	1.01	0.38	6.25	1.78	1.17	1
2.71	0.98	0.37	6.25	1.77	1.17	1
2.64	0.95	0.36	6.25	1.77	1.16	1
2.57	0.92	0.35	6.25	1.76	1.16	1
2.50	0.90	0.34	6.25	1.75	1.15	1
2.43	0.87	0.33	6.25	1.75	1.15	1
2.36	0.84	0.33	6.25	1.74	1.14	1
2.29	0.82	0.32	6.25	1.73	1.14	1
2.21	0.79	0.31	6.25	1.72	1.13	1
2.14	0.76	0.30	6.25	1.72	1.12	1
2.07	0.74	0.29	6.25	1.71	1.12	1
2.00	0.71	0.28	6.25	1.70	1.11	1
1.93	0.68	0.27	6.25	1.69	1.11	1
1.86	0.66	0.26	6.25	1.68	1.10	1
1.79	0.63	0.25	6.25	1.68	1.10	1
1.71	0.60	0.24	6.25	1.67	1.09	1
1.64	0.58	0.23	6.25	1.66	1.09	1
1.57	0.55	0.22	6.25	1.65	1.08	1
1.50	0.53	0.21	6.25	1.64	1.08	1
1.43	0.50	0.20	6.25	1.63	1.07	1
1.36	0.47	0.19	6.25	1.62	1.07	1
1.29	0.45	0.18	6.25	1.62	1.06	1
1.21	0.42	0.17	6.25	1.61	1.05	1
1.14	0.40	0.16	6.25	1.60	1.05	1
1.07	0.37	0.15	6.25	1.59	1.04	1
1.00	0.35	0.14	6.25	1.58	1.04	1
1.00	0.35	0.14	6.25	1.58	1.04	1
0.97	0.33	0.13	6.25	1.57	1.04	1
0.94	0.32	0.13	6.25	1.57	1.03	1
0.91	0.31	0.13	6.25	1.57	1.03	1
0.89	0.30	0.12	6.25	1.56	1.03	1
0.86	0.29	0.12	6.25	1.56	1.03	1
0.83	0.28	0.11	6.25	1.55	1.03	1
0.80	0.27	0.11	6.25	1.55	1.02	1
0.77	0.26	0.11	6.25	1.54	1.02	1
0.74	0.25	0.10	6.25	1.54	1.02	1
0.71	0.24	0.10	6.25	1.54	1.02	1
0.69	0.23	0.09	6.25	1.53	1.02	1
0.66	0.22	0.09	6.25	1.53	1.01	1
0.63	0.21	0.09	6.25	1.52	1.01	1
0.60	0.20	0.08	6.25	1.52	1.01	1
0.57	0.19	0.08	6.25	1.51	1.01	1
0.54	0.18	0.07	6.25	1.51	1.00	1
0.51	0.17	0.07	6.25	1.51	1.00	1

			b420.pso			
0.49	0.16	0.07	6.25	1.50	1.00	1
0.46	0.16	0.06	6.25	1.50	1.00	1
0.43	0.15	0.06	6.25	1.49	1.00	1
0.40	0.14	0.06	6.25	1.49	0.99	1
0.37	0.13	0.05	6.25	1.48	0.99	1
0.34	0.12	0.05	6.25	1.48	0.99	1
0.31	0.11	0.04	6.25	1.47	0.99	1
0.29	0.10	0.04	6.25	1.47	0.99	1
0.26	0.09	0.04	6.25	1.46	0.98	1
0.23	0.08	0.03	6.25	1.46	0.98	1
0.20	0.07	0.03	6.25	1.46	0.98	1
0.17	0.06	0.02	6.25	1.45	0.98	1
0.14	0.05	0.02	6.25	1.45	0.97	1
0.11	0.04	0.02	6.25	1.44	0.97	1
0.09	0.03	0.01	6.25	1.44	0.97	1
0.06	0.02	0.01	6.25	1.43	0.97	1
0.03	0.01	0.00	6.25	1.43	0.97	1
0.00	0.00	0.00	6.25	1.42	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.78	0.00	0.00	0.00	0.00	0.00	1
2.75	2.03	0.39	1.64	1.62	0.03	1
2.73	3.74	0.76	2.98	2.91	0.07	1
2.71	5.14	1.24	3.90	3.90	0.00	1
2.70	6.44	1.65	4.79	4.79	0.00	1
2.69	7.72	1.96	5.76	5.65	0.11	1
2.67	8.98	2.19	6.79	6.50	0.29	1
2.66	10.24	2.41	7.82	7.34	0.48	1
2.64	11.48	2.61	8.88	8.18	0.70	1
2.63	12.73	2.77	9.96	9.01	0.95	1
2.62	13.97	2.91	11.06	9.84	1.23	1
2.60	15.20	3.03	12.18	10.66	1.52	1
2.59	16.44	3.13	13.30	11.48	1.82	1
2.58	17.67	3.23	14.44	12.30	2.14	1
2.57	18.90	3.32	15.58	13.11	2.47	1
2.55	20.12	3.40	16.72	13.92	2.80	1
2.54	21.34	3.48	17.86	14.73	3.13	1
2.53	22.56	3.55	19.01	15.54	3.47	1
2.51	23.78	3.62	20.16	16.35	3.81	1
2.50	25.00	3.69	21.31	17.15	4.16	1
2.49	26.21	3.76	22.45	17.95	4.50	1
2.48	27.43	3.83	23.60	18.75	4.85	1
2.46	28.64	3.90	24.74	19.55	5.19	1
2.45	29.84	3.96	25.88	20.34	5.54	1
2.44	31.05	4.03	27.02	21.14	5.89	1
2.42	32.26	4.09	28.16	21.93	6.23	1
2.41	33.46	4.16	29.30	22.72	6.58	1
2.40	34.66	4.23	30.43	23.51	6.93	1
2.39	35.86	4.29	31.57	24.29	7.27	1
2.37	37.06	4.36	32.70	25.08	7.62	1
2.36	38.25	4.43	33.82	25.86	7.97	1
2.35	39.44	4.49	34.95	26.64	8.31	1
2.34	40.64	4.56	36.08	27.42	8.66	1
2.32	41.83	4.63	37.20	28.19	9.01	1
2.31	43.01	4.69	38.32	28.97	9.35	1
2.30	44.20	4.76	39.44	29.74	9.70	1
2.30	44.20	4.76	39.44	29.74	9.70	1
2.27	47.16	4.93	42.23	31.66	10.56	1
2.24	50.10	5.22	44.88	33.57	11.31	1
2.21	53.03	5.58	47.45	35.47	11.98	1

2.18	55.95	5.92	b420.pso 50.03	37.36	12.67	1
2.15	58.86	6.24	52.62	39.24	13.38	1
2.12	61.76	6.54	55.22	41.11	14.12	1
2.09	64.65	6.81	57.84	42.96	14.88	1
2.06	67.54	7.06	60.47	44.81	15.66	1
2.03	70.41	7.29	63.12	46.66	16.46	1
2.00	73.28	7.50	65.78	48.49	17.29	1
1.97	76.14	7.68	68.46	50.32	18.14	1
1.94	79.00	7.85	71.15	52.14	19.00	1
1.91	81.85	8.00	73.84	53.96	19.88	1
1.88	84.70	8.14	76.55	55.78	20.78	1
1.85	87.54	8.27	79.27	57.59	21.68	1
1.82	90.38	8.39	81.99	59.39	22.59	1
1.79	93.21	8.50	84.71	61.19	23.52	1
1.77	96.04	8.61	87.44	62.99	24.45	1
1.74	98.87	8.70	90.16	64.79	25.38	1
1.71	101.69	8.80	92.89	66.58	26.31	1
1.68	104.52	8.90	95.62	68.37	27.25	1
1.65	107.34	8.99	98.35	70.15	28.19	1
1.62	110.15	9.08	101.07	71.94	29.14	1
1.59	112.96	9.17	103.80	73.72	30.08	1
1.57	115.77	9.26	106.52	75.49	31.02	1
1.54	118.58	9.35	109.23	77.27	31.96	1
1.51	121.39	9.44	111.95	79.04	32.91	1
1.48	124.19	9.53	114.65	80.81	33.85	1
1.45	126.99	9.62	117.36	82.57	34.79	1
1.42	129.78	9.72	120.06	84.34	35.73	1
1.40	132.57	9.81	122.76	86.10	36.67	1
1.37	135.36	9.91	125.46	87.85	37.60	1
1.34	138.15	10.01	128.14	89.61	38.53	1
1.31	140.93	10.23	130.70	91.36	39.35	1
1.28	143.71	10.45	133.26	93.10	40.16	1
1.28	143.71	10.45	133.26	93.10	40.16	1
1.26	146.49	10.68	135.81	94.85	40.97	1
1.23	149.26	10.90	138.36	96.59	41.77	1
1.20	152.03	11.14	140.89	98.33	42.57	1
1.17	154.80	11.38	143.42	100.06	43.36	1
1.14	157.56	11.63	145.94	101.79	44.15	1
1.12	160.32	11.88	148.44	103.52	44.93	1
1.09	163.08	12.14	150.94	105.24	45.70	1
1.06	165.83	12.40	153.43	106.96	46.47	1
1.03	168.58	12.68	155.90	108.68	47.23	1
1.01	171.32	12.96	158.37	110.39	47.98	1
0.98	174.07	13.24	160.82	112.10	48.73	1
0.95	176.80	13.53	163.27	113.80	49.47	1
0.92	179.53	13.83	165.71	115.50	50.21	1
0.90	182.26	14.13	168.13	117.19	50.94	1
0.87	184.99	14.44	170.55	118.88	51.66	1
0.84	187.70	14.75	172.95	120.57	52.38	1
0.82	190.42	15.07	175.35	122.25	53.10	1
0.79	193.13	15.39	177.74	123.93	53.81	1
0.76	195.83	15.72	180.11	125.60	54.51	1
0.74	198.53	16.05	182.48	127.27	55.21	1
0.71	201.23	16.39	184.84	128.93	55.91	1
0.68	203.92	16.74	187.18	130.59	56.59	1
0.66	206.61	17.09	189.52	132.24	57.28	1
0.63	209.29	17.44	191.85	133.89	57.96	1
0.60	211.96	17.80	194.17	135.53	58.63	1
0.58	214.63	18.16	196.47	137.17	59.30	1
0.55	217.30	18.53	198.77	138.80	59.96	1
0.53	219.96	18.91	201.05	140.43	60.62	1
0.50	222.61	19.29	203.33	142.05	61.27	1
0.47	225.26	19.67	205.59	143.67	61.92	1

			b420.pso			
0.45	227.91	20.07	207.84	145.28	62.56	1
0.42	230.54	20.46	210.08	146.88	63.19	1
0.40	233.18	20.87	212.31	148.48	63.82	1
0.37	235.80	21.28	214.52	150.08	64.44	1
0.35	238.42	21.70	216.72	151.66	65.06	1
0.35	238.42	21.70	216.72	151.66	65.06	1
0.33	239.47	21.87	217.60	152.30	65.30	1
0.32	240.51	22.04	218.48	152.93	65.55	1
0.31	241.56	22.21	219.35	153.56	65.79	1
0.30	242.60	22.38	220.22	154.19	66.03	1
0.29	243.64	22.55	221.09	154.82	66.27	1
0.28	244.68	22.72	221.96	155.45	66.51	1
0.27	245.73	22.90	222.83	156.08	66.75	1
0.26	246.76	23.08	223.69	156.70	66.99	1
0.25	247.80	23.25	224.55	157.33	67.22	1
0.24	248.84	23.43	225.41	157.95	67.45	1
0.23	249.88	23.62	226.26	158.58	67.69	1
0.22	250.91	23.80	227.11	159.20	67.92	1
0.21	251.95	23.98	227.96	159.82	68.14	1
0.20	252.98	24.17	228.81	160.44	68.37	1
0.19	254.01	24.36	229.65	161.06	68.60	1
0.18	255.04	24.55	230.49	161.68	68.82	1
0.17	256.07	24.74	231.33	162.29	69.04	1
0.16	257.10	24.94	232.17	162.91	69.26	1
0.16	258.13	25.28	232.85	163.52	69.32	1
0.15	259.16	25.71	233.45	164.14	69.31	1
0.14	260.18	26.13	234.05	164.75	69.30	1
0.13	261.21	26.56	234.64	165.36	69.28	1
0.12	262.23	26.99	235.24	165.97	69.27	1
0.11	263.25	27.42	235.83	166.58	69.25	1
0.10	264.27	27.85	236.42	167.19	69.23	1
0.09	265.29	28.28	237.01	167.79	69.21	1
0.08	266.31	28.72	237.59	168.40	69.19	1
0.07	267.33	29.15	238.17	169.00	69.17	1
0.06	268.34	29.59	238.76	169.61	69.15	1
0.05	269.36	30.03	239.33	170.21	69.13	1
0.04	270.37	30.46	239.91	170.81	69.10	1
0.03	271.39	30.90	240.48	171.41	69.08	1
0.02	272.40	31.34	241.06	172.01	69.05	1
0.01	273.41	31.78	241.63	172.60	69.02	1
0.00	274.42	32.22	242.19	173.20	68.99	1

Time = 31. Degree of Consolidation = 90.0%

Total Settlement = 4.224

Settlement at End of Primary Consolidation = 4.706

Settlement caused by Primary Consolidation at time 31. = 4.224

Settlement caused by Secondary Compression at time 31. = 0.000

Surface Elevation = 2.03

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	b420.pso Einitial	E	Eeop	Material
7.00	2.64	0.97	6.25	6.25	6.25	1
6.97	2.61	0.96	6.25	4.89	4.80	1
6.94	2.59	0.96	6.25	3.58	3.34	1
6.91	2.58	0.95	6.25	2.67	2.67	1
6.89	2.56	0.95	6.25	2.55	2.55	1
6.86	2.55	0.95	6.25	2.46	2.45	1
6.83	2.54	0.94	6.25	2.40	2.40	1
6.80	2.52	0.94	6.25	2.36	2.36	1
6.77	2.51	0.93	6.25	2.31	2.31	1
6.74	2.50	0.93	6.25	2.26	2.26	1
6.71	2.48	0.93	6.25	2.22	2.21	1
6.69	2.47	0.92	6.25	2.18	2.16	1
6.66	2.46	0.92	6.25	2.15	2.11	1
6.63	2.45	0.91	6.25	2.12	2.09	1
6.60	2.43	0.91	6.25	2.09	2.07	1
6.57	2.42	0.91	6.25	2.07	2.05	1
6.54	2.41	0.90	6.25	2.05	2.03	1
6.51	2.40	0.90	6.25	2.04	2.00	1
6.49	2.39	0.89	6.25	2.02	1.98	1
6.46	2.37	0.89	6.25	2.01	1.96	1
6.43	2.36	0.89	6.25	1.99	1.94	1
6.40	2.35	0.88	6.25	1.98	1.92	1
6.37	2.34	0.88	6.25	1.97	1.90	1
6.34	2.33	0.87	6.25	1.96	1.88	1
6.31	2.32	0.87	6.25	1.96	1.85	1
6.29	2.30	0.87	6.25	1.95	1.84	1
6.26	2.29	0.86	6.25	1.94	1.83	1
6.23	2.28	0.86	6.25	1.93	1.82	1
6.20	2.27	0.86	6.25	1.93	1.81	1
6.17	2.26	0.85	6.25	1.92	1.80	1
6.14	2.25	0.85	6.25	1.92	1.79	1
6.11	2.23	0.84	6.25	1.91	1.78	1
6.09	2.22	0.84	6.25	1.91	1.77	1
6.06	2.21	0.84	6.25	1.90	1.77	1
6.03	2.20	0.83	6.25	1.90	1.76	1
6.00	2.19	0.83	6.25	1.90	1.75	1
6.00	2.19	0.83	6.25	1.90	1.75	1
5.93	2.16	0.82	6.25	1.89	1.72	1
5.86	2.13	0.81	6.25	1.88	1.70	1
5.79	2.10	0.80	6.25	1.87	1.67	1
5.71	2.08	0.79	6.25	1.86	1.65	1
5.64	2.05	0.78	6.25	1.86	1.63	1
5.57	2.02	0.77	6.25	1.85	1.60	1
5.50	1.99	0.76	6.25	1.84	1.58	1
5.43	1.96	0.75	6.25	1.84	1.55	1
5.36	1.94	0.74	6.25	1.83	1.53	1
5.29	1.91	0.73	6.25	1.83	1.50	1
5.21	1.88	0.72	6.25	1.82	1.49	1
5.14	1.85	0.71	6.25	1.82	1.48	1
5.07	1.82	0.70	6.25	1.81	1.47	1
5.00	1.80	0.69	6.25	1.81	1.46	1
4.93	1.77	0.68	6.25	1.80	1.45	1
4.86	1.74	0.67	6.25	1.80	1.44	1
4.79	1.71	0.66	6.25	1.79	1.42	1
4.71	1.69	0.65	6.25	1.79	1.41	1
4.64	1.66	0.64	6.25	1.78	1.40	1
4.57	1.63	0.63	6.25	1.78	1.39	1
4.50	1.60	0.62	6.25	1.77	1.38	1
4.43	1.58	0.61	6.25	1.77	1.37	1
4.36	1.55	0.60	6.25	1.77	1.36	1
4.29	1.52	0.59	6.25	1.76	1.35	1
4.21	1.49	0.58	6.25	1.76	1.33	1

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4.14	1.47	0.57	6.25	1.75	1.32	1
4.07	1.44	0.56	6.25	1.75	1.31	1
4.00	1.41	0.55	6.25	1.74	1.30	1
3.93	1.39	0.54	6.25	1.74	1.29	1
3.86	1.36	0.53	6.25	1.73	1.28	1
3.79	1.33	0.52	6.25	1.72	1.27	1
3.71	1.31	0.51	6.25	1.72	1.26	1
3.64	1.28	0.50	6.25	1.71	1.25	1
3.57	1.25	0.49	6.25	1.71	1.23	1
3.50	1.23	0.48	6.25	1.70	1.23	1
3.50	1.23	0.48	6.25	1.70	1.23	1
3.43	1.20	0.47	6.25	1.70	1.22	1
3.36	1.17	0.46	6.25	1.69	1.22	1
3.29	1.15	0.45	6.25	1.69	1.21	1
3.21	1.12	0.44	6.25	1.68	1.21	1
3.14	1.09	0.43	6.25	1.68	1.20	1
3.07	1.07	0.42	6.25	1.67	1.19	1
3.00	1.04	0.41	6.25	1.66	1.19	1
2.93	1.01	0.40	6.25	1.66	1.18	1
2.86	0.99	0.39	6.25	1.65	1.18	1
2.79	0.96	0.38	6.25	1.65	1.17	1
2.71	0.94	0.37	6.25	1.64	1.17	1
2.64	0.91	0.36	6.25	1.63	1.16	1
2.57	0.88	0.35	6.25	1.63	1.16	1
2.50	0.86	0.34	6.25	1.62	1.15	1
2.43	0.83	0.33	6.25	1.61	1.15	1
2.36	0.81	0.33	6.25	1.61	1.14	1
2.29	0.78	0.32	6.25	1.60	1.14	1
2.21	0.76	0.31	6.25	1.59	1.13	1
2.14	0.73	0.30	6.25	1.59	1.12	1
2.07	0.70	0.29	6.25	1.58	1.12	1
2.00	0.68	0.28	6.25	1.57	1.11	1
1.93	0.65	0.27	6.25	1.57	1.11	1
1.86	0.63	0.26	6.25	1.56	1.10	1
1.79	0.60	0.25	6.25	1.55	1.10	1
1.71	0.58	0.24	6.25	1.55	1.09	1
1.64	0.55	0.23	6.25	1.54	1.09	1
1.57	0.53	0.22	6.25	1.53	1.08	1
1.50	0.50	0.21	6.25	1.52	1.08	1
1.43	0.48	0.20	6.25	1.51	1.07	1
1.36	0.45	0.19	6.25	1.51	1.07	1
1.29	0.43	0.18	6.25	1.50	1.06	1
1.21	0.40	0.17	6.25	1.49	1.05	1
1.14	0.38	0.16	6.25	1.48	1.05	1
1.07	0.36	0.15	6.25	1.47	1.04	1
1.00	0.33	0.14	6.25	1.47	1.04	1
1.00	0.33	0.14	6.25	1.47	1.04	1
0.97	0.32	0.13	6.25	1.46	1.04	1
0.94	0.31	0.13	6.25	1.46	1.03	1
0.91	0.30	0.13	6.25	1.45	1.03	1
0.89	0.29	0.12	6.25	1.45	1.03	1
0.86	0.28	0.12	6.25	1.45	1.03	1
0.83	0.27	0.11	6.25	1.44	1.03	1
0.80	0.26	0.11	6.25	1.44	1.02	1
0.77	0.25	0.11	6.25	1.44	1.02	1
0.74	0.24	0.10	6.25	1.43	1.02	1
0.71	0.24	0.10	6.25	1.43	1.02	1
0.69	0.23	0.09	6.25	1.43	1.02	1
0.66	0.22	0.09	6.25	1.42	1.01	1
0.63	0.21	0.09	6.25	1.42	1.01	1
0.60	0.20	0.08	6.25	1.42	1.01	1
0.57	0.19	0.08	6.25	1.41	1.01	1
0.54	0.18	0.07	6.25	1.41	1.00	1

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0.51	0.17	0.07	6.25	1.41	1.00	1
0.49	0.16	0.07	6.25	1.40	1.00	1
0.46	0.15	0.06	6.25	1.40	1.00	1
0.43	0.14	0.06	6.25	1.40	1.00	1
0.40	0.13	0.06	6.25	1.39	0.99	1
0.37	0.12	0.05	6.25	1.39	0.99	1
0.34	0.11	0.05	6.25	1.38	0.99	1
0.31	0.10	0.04	6.25	1.38	0.99	1
0.29	0.09	0.04	6.25	1.38	0.99	1
0.26	0.08	0.04	6.25	1.37	0.98	1
0.23	0.07	0.03	6.25	1.37	0.98	1
0.20	0.06	0.03	6.25	1.37	0.98	1
0.17	0.06	0.02	6.25	1.36	0.98	1
0.14	0.05	0.02	6.25	1.36	0.97	1
0.11	0.04	0.02	6.25	1.36	0.97	1
0.09	0.03	0.01	6.25	1.35	0.97	1
0.06	0.02	0.01	6.25	1.35	0.97	1
0.03	0.01	0.00	6.25	1.34	0.97	1
0.00	0.00	0.00	6.25	1.34	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.64	0.00	0.00	0.00	0.00	0.00	1
2.61	2.03	0.39	1.64	1.62	0.03	1
2.59	3.74	0.76	2.98	2.91	0.07	1
2.58	5.14	1.24	3.90	3.90	0.00	1
2.56	6.44	1.65	4.79	4.79	0.00	1
2.55	7.72	1.99	5.73	5.65	0.07	1
2.54	8.97	2.47	6.50	6.50	0.01	1
2.52	10.22	2.89	7.33	7.33	0.00	1
2.51	11.45	3.31	8.15	8.15	0.00	1
2.50	12.67	3.71	8.96	8.95	0.01	1
2.48	13.88	4.07	9.81	9.75	0.06	1
2.47	15.08	4.38	10.70	10.54	0.16	1
2.46	16.27	4.66	11.61	11.32	0.30	1
2.45	17.46	4.91	12.55	12.09	0.46	1
2.43	18.63	5.29	13.34	12.85	0.49	1
2.42	19.81	5.73	14.08	13.61	0.47	1
2.41	20.97	6.10	14.87	14.36	0.51	1
2.40	22.13	6.43	15.70	15.11	0.59	1
2.39	23.29	6.73	16.56	15.85	0.71	1
2.37	24.45	6.99	17.46	16.60	0.86	1
2.36	25.60	7.22	18.37	17.33	1.04	1
2.35	26.74	7.44	19.31	18.07	1.24	1
2.34	27.89	7.63	20.26	18.80	1.46	1
2.33	29.03	7.80	21.23	19.53	1.70	1
2.32	30.17	7.96	22.21	20.26	1.95	1
2.30	31.31	8.11	23.20	20.98	2.22	1
2.29	32.45	8.25	24.20	21.71	2.49	1
2.28	33.59	8.37	25.21	22.43	2.78	1
2.27	34.72	8.49	26.23	23.15	3.08	1
2.26	35.85	8.60	27.26	23.87	3.38	1
2.25	36.98	8.70	28.29	24.59	3.70	1
2.23	38.11	8.79	29.32	25.31	4.01	1
2.22	39.24	8.88	30.36	26.02	4.34	1
2.21	40.37	8.96	31.41	26.74	4.67	1
2.20	41.50	9.04	32.45	27.45	5.00	1
2.19	42.62	9.12	33.50	28.16	5.34	1
2.19	42.62	9.12	33.50	28.16	5.34	1
2.16	45.43	9.30	36.13	29.94	6.19	1
2.13	48.24	9.47	38.77	31.71	7.06	1

2.10	51.04	9.62	b420.pso 41.42	33.48	7.94	1
2.08	53.83	9.75	44.08	35.24	8.84	1
2.05	56.62	9.88	46.74	37.00	9.74	1
2.02	59.41	10.00	49.41	38.75	10.66	1
1.99	62.19	10.24	51.95	40.50	11.45	1
1.96	64.97	10.48	54.49	42.25	12.24	1
1.94	67.75	10.71	57.04	43.99	13.05	1
1.91	70.52	10.93	59.59	45.73	13.86	1
1.88	73.29	11.15	62.14	47.47	14.67	1
1.85	76.06	11.36	64.70	49.21	15.49	1
1.82	78.82	11.57	67.25	50.94	16.31	1
1.80	81.58	11.78	69.80	52.66	17.14	1
1.77	84.34	11.99	72.35	54.39	17.97	1
1.74	87.10	12.19	74.90	56.11	18.79	1
1.71	89.85	12.40	77.45	57.83	19.62	1
1.69	92.60	12.60	80.00	59.55	20.45	1
1.66	95.34	12.81	82.54	61.26	21.28	1
1.63	98.09	13.01	85.08	62.97	22.10	1
1.60	100.83	13.22	87.61	64.68	22.93	1
1.58	103.56	13.43	90.14	66.38	23.76	1
1.55	106.30	13.63	92.67	68.08	24.58	1
1.52	109.03	13.84	95.19	69.78	25.40	1
1.49	111.76	14.06	97.70	71.48	26.22	1
1.47	114.48	14.27	100.21	73.17	27.04	1
1.44	117.21	14.49	102.72	74.86	27.86	1
1.41	119.93	14.70	105.22	76.55	28.67	1
1.39	122.64	14.92	107.72	78.23	29.49	1
1.36	125.35	15.15	110.21	79.91	30.30	1
1.33	128.06	15.37	112.69	81.59	31.11	1
1.31	130.77	15.60	115.17	83.26	31.91	1
1.28	133.47	15.83	117.65	84.93	32.72	1
1.25	136.17	16.06	120.11	86.60	33.52	1
1.23	138.87	16.29	122.58	88.26	34.32	1
1.23	138.87	16.29	122.58	88.26	34.32	1
1.20	141.56	16.53	125.04	89.92	35.11	1
1.17	144.25	16.76	127.49	91.58	35.91	1
1.15	146.94	17.00	129.94	93.23	36.70	1
1.12	149.62	17.24	132.38	94.88	37.50	1
1.09	152.30	17.49	134.81	96.53	38.28	1
1.07	154.98	17.74	137.24	98.17	39.07	1
1.04	157.65	17.99	139.66	99.81	39.85	1
1.01	160.32	18.24	142.08	101.44	40.63	1
0.99	162.98	18.50	144.48	103.08	41.41	1
0.96	165.64	18.76	146.89	104.71	42.18	1
0.94	168.30	19.02	149.28	106.33	42.95	1
0.91	170.95	19.28	151.67	107.95	43.72	1
0.88	173.60	19.55	154.05	109.57	44.48	1
0.86	176.25	19.82	156.42	111.18	45.24	1
0.83	178.89	20.10	158.79	112.79	46.00	1
0.81	181.53	20.38	161.15	114.40	46.76	1
0.78	184.16	20.66	163.50	116.00	47.51	1
0.76	186.79	20.95	165.85	117.59	48.25	1
0.73	189.42	21.24	168.18	119.19	49.00	1
0.70	192.04	21.53	170.51	120.78	49.74	1
0.68	194.66	21.83	172.83	122.36	50.47	1
0.65	197.27	22.13	175.14	123.94	51.20	1
0.63	199.88	22.43	177.45	125.52	51.93	1
0.60	202.48	22.74	179.74	127.09	52.65	1
0.58	205.08	23.06	182.03	128.66	53.37	1
0.55	207.68	23.38	184.30	130.22	54.08	1
0.53	210.27	23.70	186.57	131.78	54.79	1
0.50	212.86	24.03	188.82	133.33	55.50	1
0.48	215.44	24.37	191.07	134.88	56.19	1

			b420.pso			
0.45	218.01	24.71	193.30	136.42	56.88	1
0.43	220.59	25.13	195.45	137.96	57.49	1
0.40	223.15	25.90	197.26	139.49	57.76	1
0.38	225.71	26.67	199.05	141.02	58.02	1
0.36	228.27	27.44	200.82	142.54	58.28	1
0.33	230.82	28.23	202.59	144.06	58.53	1
0.33	230.82	28.23	202.59	144.06	58.53	1
0.32	231.84	28.54	203.30	144.67	58.63	1
0.31	232.86	28.85	204.00	145.27	58.73	1
0.30	233.87	29.17	204.70	145.88	58.83	1
0.29	234.89	29.49	205.41	146.48	58.92	1
0.28	235.91	29.80	206.10	147.08	59.02	1
0.27	236.92	30.12	206.80	147.68	59.12	1
0.26	237.93	30.44	207.50	148.29	59.21	1
0.25	238.95	30.76	208.19	148.89	59.30	1
0.24	239.96	31.08	208.88	149.48	59.40	1
0.24	240.97	31.40	209.57	150.08	59.49	1
0.23	241.98	31.72	210.26	150.68	59.58	1
0.22	242.99	32.05	210.94	151.28	59.67	1
0.21	244.00	32.37	211.63	151.87	59.76	1
0.20	245.01	32.70	212.31	152.47	59.84	1
0.19	246.02	33.02	212.99	153.06	59.93	1
0.18	247.02	33.35	213.67	153.65	60.02	1
0.17	248.03	33.68	214.35	154.25	60.10	1
0.16	249.03	34.01	215.02	154.84	60.18	1
0.15	250.03	34.34	215.69	155.43	60.27	1
0.14	251.04	34.67	216.37	156.02	60.35	1
0.13	252.04	35.00	217.03	156.61	60.43	1
0.12	253.04	35.34	217.70	157.19	60.51	1
0.11	254.04	35.67	218.37	157.78	60.59	1
0.10	255.04	36.01	219.03	158.37	60.66	1
0.09	256.04	36.34	219.69	158.95	60.74	1
0.08	257.03	36.68	220.35	159.54	60.82	1
0.07	258.03	37.02	221.01	160.12	60.89	1
0.06	259.03	37.36	221.67	160.70	60.96	1
0.06	260.02	37.70	222.32	161.28	61.04	1
0.05	261.02	38.04	222.97	161.86	61.11	1
0.04	262.01	38.39	223.62	162.44	61.18	1
0.03	263.00	38.73	224.27	163.02	61.25	1
0.02	263.99	39.08	224.91	163.60	61.31	1
0.01	264.98	39.42	225.56	164.18	61.38	1
0.00	265.97	39.77	226.20	164.75	61.45	1

Time = 45. Degree of Consolidation = 93.0%

Total Settlement = 4.360

Settlement at End of Primary Consolidation = 4.706

Settlement caused by Primary Consolidation at time 45. = 4.360

Settlement caused by Secondary Compression at time 45. = 0.000

Surface Elevation = 1.89

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

b420.pso

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.51	0.97	6.25	6.25	6.25	1
6.97	2.49	0.96	6.25	4.89	4.80	1
6.94	2.47	0.96	6.25	3.58	3.34	1
6.91	2.45	0.95	6.25	2.67	2.67	1
6.89	2.44	0.95	6.25	2.55	2.55	1
6.86	2.42	0.95	6.25	2.46	2.45	1
6.83	2.41	0.94	6.25	2.40	2.40	1
6.80	2.39	0.94	6.25	2.36	2.36	1
6.77	2.38	0.93	6.25	2.31	2.31	1
6.74	2.37	0.93	6.25	2.26	2.26	1
6.71	2.36	0.93	6.25	2.21	2.21	1
6.69	2.34	0.92	6.25	2.17	2.16	1
6.66	2.33	0.92	6.25	2.14	2.11	1
6.63	2.32	0.91	6.25	2.10	2.09	1
6.60	2.31	0.91	6.25	2.07	2.07	1
6.57	2.29	0.91	6.25	2.05	2.05	1
6.54	2.28	0.90	6.25	2.03	2.03	1
6.51	2.27	0.90	6.25	2.00	2.00	1
6.49	2.26	0.89	6.25	1.99	1.98	1
6.46	2.25	0.89	6.25	1.97	1.96	1
6.43	2.24	0.89	6.25	1.95	1.94	1
6.40	2.22	0.88	6.25	1.94	1.92	1
6.37	2.21	0.88	6.25	1.93	1.90	1
6.34	2.20	0.87	6.25	1.91	1.88	1
6.31	2.19	0.87	6.25	1.90	1.85	1
6.29	2.18	0.87	6.25	1.89	1.84	1
6.26	2.17	0.86	6.25	1.88	1.83	1
6.23	2.16	0.86	6.25	1.87	1.82	1
6.20	2.14	0.86	6.25	1.86	1.81	1
6.17	2.13	0.85	6.25	1.85	1.80	1
6.14	2.12	0.85	6.25	1.84	1.79	1
6.11	2.11	0.84	6.25	1.84	1.78	1
6.09	2.10	0.84	6.25	1.83	1.77	1
6.06	2.09	0.84	6.25	1.82	1.77	1
6.03	2.08	0.83	6.25	1.81	1.76	1
6.00	2.07	0.83	6.25	1.81	1.75	1
6.00	2.07	0.83	6.25	1.81	1.75	1
5.93	2.04	0.82	6.25	1.79	1.72	1
5.86	2.01	0.81	6.25	1.77	1.70	1
5.79	1.98	0.80	6.25	1.76	1.67	1
5.71	1.96	0.79	6.25	1.75	1.65	1
5.64	1.93	0.78	6.25	1.73	1.63	1
5.57	1.90	0.77	6.25	1.72	1.60	1
5.50	1.88	0.76	6.25	1.71	1.58	1
5.43	1.85	0.75	6.25	1.70	1.55	1
5.36	1.82	0.74	6.25	1.69	1.53	1
5.29	1.80	0.73	6.25	1.68	1.50	1
5.21	1.77	0.72	6.25	1.67	1.49	1
5.14	1.74	0.71	6.25	1.66	1.48	1
5.07	1.72	0.70	6.25	1.66	1.47	1
5.00	1.69	0.69	6.25	1.65	1.46	1
4.93	1.66	0.68	6.25	1.64	1.45	1
4.86	1.64	0.67	6.25	1.64	1.44	1
4.79	1.61	0.66	6.25	1.63	1.42	1
4.71	1.59	0.65	6.25	1.62	1.41	1
4.64	1.56	0.64	6.25	1.62	1.40	1
4.57	1.54	0.63	6.25	1.61	1.39	1
4.50	1.51	0.62	6.25	1.61	1.38	1
4.43	1.48	0.61	6.25	1.60	1.37	1
4.36	1.46	0.60	6.25	1.59	1.36	1
4.29	1.43	0.59	6.25	1.59	1.35	1

b420.pso						
4.21	1.41	0.58	6.25	1.58	1.33	1
4.14	1.38	0.57	6.25	1.58	1.32	1
4.07	1.36	0.56	6.25	1.57	1.31	1
4.00	1.33	0.55	6.25	1.57	1.30	1
3.93	1.31	0.54	6.25	1.56	1.29	1
3.86	1.28	0.53	6.25	1.56	1.28	1
3.79	1.26	0.52	6.25	1.55	1.27	1
3.71	1.23	0.51	6.25	1.55	1.26	1
3.64	1.21	0.50	6.25	1.54	1.25	1
3.57	1.18	0.49	6.25	1.54	1.23	1
3.50	1.16	0.48	6.25	1.53	1.23	1
3.50	1.16	0.48	6.25	1.53	1.23	1
3.43	1.13	0.47	6.25	1.53	1.22	1
3.36	1.11	0.46	6.25	1.52	1.22	1
3.29	1.08	0.45	6.25	1.52	1.21	1
3.21	1.06	0.44	6.25	1.51	1.21	1
3.14	1.03	0.43	6.25	1.51	1.20	1
3.07	1.01	0.42	6.25	1.50	1.19	1
3.00	0.98	0.41	6.25	1.50	1.19	1
2.93	0.96	0.40	6.25	1.49	1.18	1
2.86	0.93	0.39	6.25	1.49	1.18	1
2.79	0.91	0.38	6.25	1.48	1.17	1
2.71	0.88	0.37	6.25	1.48	1.17	1
2.64	0.86	0.36	6.25	1.47	1.16	1
2.57	0.84	0.35	6.25	1.46	1.16	1
2.50	0.81	0.34	6.25	1.46	1.15	1
2.43	0.79	0.33	6.25	1.45	1.15	1
2.36	0.76	0.33	6.25	1.45	1.14	1
2.29	0.74	0.32	6.25	1.44	1.14	1
2.21	0.71	0.31	6.25	1.44	1.13	1
2.14	0.69	0.30	6.25	1.43	1.12	1
2.07	0.67	0.29	6.25	1.42	1.12	1
2.00	0.64	0.28	6.25	1.42	1.11	1
1.93	0.62	0.27	6.25	1.41	1.11	1
1.86	0.60	0.26	6.25	1.41	1.10	1
1.79	0.57	0.25	6.25	1.40	1.10	1
1.71	0.55	0.24	6.25	1.39	1.09	1
1.64	0.52	0.23	6.25	1.39	1.09	1
1.57	0.50	0.22	6.25	1.38	1.08	1
1.50	0.48	0.21	6.25	1.38	1.08	1
1.43	0.45	0.20	6.25	1.37	1.07	1
1.36	0.43	0.19	6.25	1.36	1.07	1
1.29	0.41	0.18	6.25	1.36	1.06	1
1.21	0.38	0.17	6.25	1.35	1.05	1
1.14	0.36	0.16	6.25	1.35	1.05	1
1.07	0.34	0.15	6.25	1.34	1.04	1
1.00	0.32	0.14	6.25	1.33	1.04	1
1.00	0.32	0.14	6.25	1.33	1.04	1
0.97	0.31	0.13	6.25	1.33	1.04	1
0.94	0.30	0.13	6.25	1.33	1.03	1
0.91	0.29	0.13	6.25	1.32	1.03	1
0.89	0.28	0.12	6.25	1.32	1.03	1
0.86	0.27	0.12	6.25	1.32	1.03	1
0.83	0.26	0.11	6.25	1.32	1.03	1
0.80	0.25	0.11	6.25	1.31	1.02	1
0.77	0.24	0.11	6.25	1.31	1.02	1
0.74	0.23	0.10	6.25	1.31	1.02	1
0.71	0.22	0.10	6.25	1.31	1.02	1
0.69	0.21	0.09	6.25	1.30	1.02	1
0.66	0.21	0.09	6.25	1.30	1.01	1
0.63	0.20	0.09	6.25	1.30	1.01	1
0.60	0.19	0.08	6.25	1.30	1.01	1
0.57	0.18	0.08	6.25	1.29	1.01	1

			b420.pso			
0.54	0.17	0.07	6.25	1.29	1.00	1
0.51	0.16	0.07	6.25	1.29	1.00	1
0.49	0.15	0.07	6.25	1.28	1.00	1
0.46	0.14	0.06	6.25	1.28	1.00	1
0.43	0.13	0.06	6.25	1.28	1.00	1
0.40	0.12	0.06	6.25	1.28	0.99	1
0.37	0.12	0.05	6.25	1.27	0.99	1
0.34	0.11	0.05	6.25	1.27	0.99	1
0.31	0.10	0.04	6.25	1.27	0.99	1
0.29	0.09	0.04	6.25	1.27	0.99	1
0.26	0.08	0.04	6.25	1.26	0.98	1
0.23	0.07	0.03	6.25	1.26	0.98	1
0.20	0.06	0.03	6.25	1.26	0.98	1
0.17	0.05	0.02	6.25	1.25	0.98	1
0.14	0.04	0.02	6.25	1.25	0.97	1
0.11	0.04	0.02	6.25	1.25	0.97	1
0.09	0.03	0.01	6.25	1.25	0.97	1
0.06	0.02	0.01	6.25	1.24	0.97	1
0.03	0.01	0.00	6.25	1.24	0.97	1
0.00	0.00	0.00	6.25	1.24	0.97	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.51	0.00	0.00	0.00	0.00	0.00	1
2.49	2.03	0.39	1.64	1.62	0.03	1
2.47	3.74	0.76	2.98	2.91	0.07	1
2.45	5.14	1.24	3.90	3.90	0.00	1
2.44	6.44	1.65	4.79	4.79	0.00	1
2.42	7.72	1.99	5.73	5.65	0.07	1
2.41	8.97	2.47	6.50	6.50	0.01	1
2.39	10.22	2.89	7.33	7.33	0.00	1
2.38	11.45	3.31	8.15	8.15	0.00	1
2.37	12.67	3.72	8.95	8.95	0.00	1
2.36	13.88	4.11	9.77	9.75	0.02	1
2.34	15.08	4.46	10.62	10.53	0.08	1
2.33	16.27	4.78	11.49	11.31	0.18	1
2.32	17.45	5.14	12.31	12.08	0.24	1
2.31	18.62	5.69	12.93	12.84	0.09	1
2.29	19.79	6.18	13.60	13.59	0.02	1
2.28	20.95	6.61	14.34	14.34	0.00	1
2.27	22.10	7.02	15.08	15.08	0.00	1
2.26	23.25	7.39	15.86	15.81	0.05	1
2.25	24.40	7.72	16.67	16.55	0.13	1
2.24	25.54	8.02	17.51	17.27	0.24	1
2.22	26.67	8.30	18.37	18.00	0.37	1
2.21	27.81	8.56	19.25	18.72	0.53	1
2.20	28.94	8.79	20.15	19.44	0.71	1
2.19	30.07	9.01	21.05	20.15	0.90	1
2.18	31.19	9.22	21.97	20.86	1.11	1
2.17	32.31	9.41	22.90	21.57	1.33	1
2.16	33.44	9.60	23.84	22.28	1.56	1
2.14	34.55	9.77	24.78	22.99	1.80	1
2.13	35.67	9.94	25.73	23.69	2.04	1
2.12	36.78	10.22	26.57	24.39	2.18	1
2.11	37.89	10.56	27.34	25.09	2.25	1
2.10	39.00	10.89	28.12	25.78	2.33	1
2.09	40.11	11.21	28.90	26.48	2.43	1
2.08	41.22	11.52	29.70	27.17	2.53	1
2.07	42.32	11.82	30.51	27.86	2.64	1
2.07	42.32	11.82	30.51	27.86	2.64	1
2.04	45.08	12.56	32.51	29.58	2.93	1

			b420.pso			
2.01	47.82	13.25	34.57	31.29	3.27	1
1.98	50.55	13.89	36.67	33.00	3.67	1
1.96	53.28	14.48	38.80	34.69	4.11	1
1.93	55.99	15.02	40.97	36.37	4.60	1
1.90	58.70	15.53	43.17	38.05	5.12	1
1.88	61.41	16.01	45.40	39.72	5.68	1
1.85	64.10	16.45	47.65	41.38	6.27	1
1.82	66.79	16.86	49.93	43.04	6.89	1
1.80	69.47	17.25	52.22	44.69	7.53	1
1.77	72.15	17.62	54.53	46.33	8.20	1
1.74	74.83	17.97	56.86	47.97	8.88	1
1.72	77.49	18.30	59.20	49.61	9.59	1
1.69	80.16	18.61	61.55	51.24	10.31	1
1.66	82.82	18.91	63.91	52.87	11.04	1
1.64	85.47	19.20	66.27	54.49	11.79	1
1.61	88.12	19.47	68.65	56.11	12.54	1
1.59	90.77	19.74	71.03	57.72	13.31	1
1.56	93.41	20.00	73.42	59.33	14.09	1
1.54	96.05	20.24	75.81	60.94	14.87	1
1.51	98.69	20.49	78.20	62.54	15.66	1
1.48	101.32	20.72	80.60	64.14	16.46	1
1.46	103.95	20.96	83.00	65.74	17.26	1
1.43	106.58	21.19	85.39	67.33	18.06	1
1.41	109.20	21.41	87.79	68.92	18.87	1
1.38	111.82	21.63	90.19	70.51	19.68	1
1.36	114.44	21.85	92.59	72.09	20.50	1
1.33	117.05	22.07	94.98	73.67	21.31	1
1.31	119.66	22.28	97.38	75.25	22.13	1
1.28	122.27	22.50	99.77	76.82	22.95	1
1.26	124.87	22.71	102.16	78.40	23.76	1
1.23	127.47	22.93	104.55	79.96	24.58	1
1.21	130.07	23.14	106.93	81.53	25.40	1
1.18	132.67	23.36	109.31	83.09	26.22	1
1.16	135.26	23.57	111.69	84.65	27.04	1
1.16	135.26	23.57	111.69	84.65	27.04	1
1.13	137.85	23.79	114.06	86.21	27.85	1
1.11	140.43	24.01	116.43	87.76	28.67	1
1.08	143.01	24.22	118.79	89.31	29.48	1
1.06	145.59	24.45	121.15	90.85	30.29	1
1.03	148.17	24.67	123.50	92.40	31.10	1
1.01	150.74	24.90	125.85	93.94	31.91	1
0.98	153.31	25.27	128.04	95.47	32.57	1
0.96	155.88	25.77	130.11	97.01	33.10	1
0.93	158.44	26.27	132.17	98.54	33.64	1
0.91	161.00	26.77	134.23	100.07	34.16	1
0.88	163.56	27.28	136.28	101.59	34.69	1
0.86	166.11	27.79	138.32	103.11	35.21	1
0.84	168.66	28.30	140.36	104.63	35.73	1
0.81	171.21	28.82	142.39	106.14	36.25	1
0.79	173.75	29.34	144.41	107.65	36.76	1
0.76	176.29	29.86	146.43	109.15	37.27	1
0.74	178.82	30.39	148.44	110.66	37.78	1
0.71	181.36	30.92	150.44	112.16	38.28	1
0.69	183.89	31.45	152.43	113.65	38.78	1
0.67	186.41	31.99	154.42	115.15	39.27	1
0.64	188.93	32.53	156.40	116.63	39.77	1
0.62	191.45	33.07	158.38	118.12	40.26	1
0.60	193.96	33.62	160.34	119.60	40.74	1
0.57	196.48	34.17	162.30	121.08	41.22	1
0.55	198.98	34.73	164.25	122.55	41.70	1
0.52	201.49	35.29	166.20	124.02	42.17	1
0.50	203.99	35.85	168.13	125.49	42.64	1
0.48	206.48	36.42	170.06	126.95	43.11	1

			b420.pso			
0.45	208.97	36.99	171.98	128.41	43.57	1
0.43	211.46	37.56	173.90	129.87	44.03	1
0.41	213.95	38.14	175.80	131.32	44.48	1
0.38	216.43	38.73	177.70	132.77	44.93	1
0.36	218.90	39.31	179.59	134.21	45.38	1
0.34	221.38	39.91	181.47	135.65	45.82	1
0.32	223.84	40.50	183.34	137.09	46.25	1
0.32	223.84	40.50	183.34	137.09	46.25	1
0.31	224.83	40.74	184.09	137.66	46.43	1
0.30	225.82	40.98	184.83	138.23	46.60	1
0.29	226.80	41.22	185.58	138.80	46.77	1
0.28	227.79	41.46	186.32	139.38	46.95	1
0.27	228.77	41.71	187.06	139.95	47.12	1
0.26	229.75	41.95	187.80	140.52	47.29	1
0.25	230.74	42.19	188.54	141.09	47.46	1
0.24	231.72	42.44	189.28	141.66	47.63	1
0.23	232.70	42.68	190.02	142.22	47.79	1
0.22	233.68	42.93	190.75	142.79	47.96	1
0.21	234.66	43.18	191.48	143.36	48.13	1
0.21	235.64	43.42	192.21	143.92	48.29	1
0.20	236.62	43.67	192.94	144.49	48.45	1
0.19	237.60	43.92	193.67	145.05	48.62	1
0.18	238.57	44.17	194.40	145.62	48.78	1
0.17	239.55	44.43	195.12	146.18	48.94	1
0.16	240.53	44.68	195.85	146.74	49.10	1
0.15	241.50	44.93	196.57	147.31	49.26	1
0.14	242.48	45.19	197.29	147.87	49.42	1
0.13	243.45	45.44	198.01	148.43	49.58	1
0.12	244.42	45.70	198.72	148.99	49.73	1
0.12	245.40	45.96	199.44	149.55	49.89	1
0.11	246.37	46.22	200.15	150.11	50.04	1
0.10	247.34	46.48	200.86	150.67	50.19	1
0.09	248.31	46.74	201.57	151.22	50.35	1
0.08	249.28	47.00	202.28	151.78	50.50	1
0.07	250.25	47.27	202.98	152.34	50.65	1
0.06	251.22	47.53	203.69	152.89	50.79	1
0.05	252.18	47.80	204.39	153.45	50.94	1
0.04	253.15	48.06	205.09	154.00	51.09	1
0.04	254.12	48.33	205.79	154.55	51.23	1
0.03	255.08	48.60	206.48	155.11	51.38	1
0.02	256.05	48.87	207.17	155.66	51.52	1
0.01	257.01	49.15	207.87	156.21	51.66	1
0.00	257.98	49.42	208.56	156.76	51.80	1

Time = 75. Degree of Consolidation = 95.0%

Total Settlement = 4.488

Settlement at End of Primary Consolidation = 4.706

Settlement caused by Primary Consolidation at time 75. = 4.488

Settlement caused by Secondary Compression at time 75. = 0.000

Settlement Due to Desiccation = 0.000

Surface Elevation = 1.76

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.43	0.97	6.25	1.75	1.75	1
6.97	2.42	0.96	6.25	1.75	1.75	1
6.94	2.41	0.96	6.25	1.75	1.75	1
6.91	2.40	0.95	6.25	1.75	1.75	1
6.89	2.39	0.95	6.25	1.75	1.75	1
6.86	2.37	0.95	6.25	1.75	1.75	1
6.83	2.36	0.94	6.25	1.75	1.75	1
6.80	2.35	0.94	6.25	1.75	1.75	1
6.77	2.34	0.93	6.25	2.01	2.01	1
6.74	2.33	0.93	6.25	2.26	1.99	1
6.71	2.32	0.93	6.25	2.21	1.97	1
6.69	2.30	0.92	6.25	2.17	1.95	1
6.66	2.29	0.92	6.25	2.14	1.93	1
6.63	2.28	0.91	6.25	2.10	1.90	1
6.60	2.27	0.91	6.25	2.07	1.88	1
6.57	2.25	0.91	6.25	2.05	1.86	1
6.54	2.24	0.90	6.25	2.03	1.85	1
6.51	2.23	0.90	6.25	2.00	1.84	1
6.49	2.22	0.89	6.25	1.98	1.83	1
6.46	2.21	0.89	6.25	1.97	1.82	1
6.43	2.20	0.89	6.25	1.95	1.81	1
6.40	2.18	0.88	6.25	1.93	1.80	1
6.37	2.17	0.88	6.25	1.92	1.79	1
6.34	2.16	0.87	6.25	1.90	1.78	1
6.31	2.15	0.87	6.25	1.89	1.77	1
6.29	2.14	0.87	6.25	1.88	1.76	1
6.26	2.13	0.86	6.25	1.87	1.75	1
6.23	2.12	0.86	6.25	1.86	1.74	1
6.20	2.10	0.86	6.25	1.85	1.73	1
6.17	2.09	0.85	6.25	1.84	1.72	1
6.14	2.08	0.85	6.25	1.83	1.71	1
6.11	2.07	0.84	6.25	1.82	1.70	1
6.09	2.06	0.84	6.25	1.81	1.69	1
6.06	2.05	0.84	6.25	1.80	1.68	1
6.03	2.04	0.83	6.25	1.79	1.67	1
6.00	2.03	0.83	6.25	1.79	1.66	1
6.00	2.03	0.83	6.25	1.79	1.66	1
5.93	2.00	0.82	6.25	1.77	1.64	1
5.86	1.97	0.81	6.25	1.75	1.61	1
5.79	1.95	0.80	6.25	1.73	1.59	1
5.71	1.92	0.79	6.25	1.71	1.57	1
5.64	1.89	0.78	6.25	1.70	1.54	1
5.57	1.87	0.77	6.25	1.69	1.52	1
5.50	1.84	0.76	6.25	1.67	1.50	1
5.43	1.81	0.75	6.25	1.66	1.49	1
5.36	1.79	0.74	6.25	1.65	1.47	1
5.29	1.76	0.73	6.25	1.64	1.46	1
5.21	1.73	0.72	6.25	1.63	1.45	1
5.14	1.71	0.71	6.25	1.62	1.44	1
5.07	1.68	0.70	6.25	1.61	1.43	1
5.00	1.66	0.69	6.25	1.60	1.42	1
4.93	1.63	0.68	6.25	1.59	1.41	1
4.86	1.61	0.67	6.25	1.59	1.40	1
4.79	1.58	0.66	6.25	1.58	1.39	1
4.71	1.56	0.65	6.25	1.57	1.37	1
4.64	1.53	0.64	6.25	1.57	1.36	1
4.57	1.50	0.63	6.25	1.56	1.35	1
4.50	1.48	0.62	6.25	1.55	1.34	1

b420.pso						
4.43	1.45	0.61	6.25	1.55	1.33	1
4.36	1.43	0.60	6.25	1.54	1.32	1
4.29	1.40	0.59	6.25	1.54	1.31	1
4.21	1.38	0.58	6.25	1.53	1.30	1
4.14	1.35	0.57	6.25	1.52	1.28	1
4.07	1.33	0.56	6.25	1.52	1.27	1
4.00	1.30	0.55	6.25	1.51	1.26	1
3.93	1.28	0.54	6.25	1.51	1.25	1
3.86	1.26	0.53	6.25	1.50	1.24	1
3.79	1.23	0.52	6.25	1.50	1.23	1
3.71	1.21	0.51	6.25	1.49	1.22	1
3.64	1.18	0.50	6.25	1.49	1.22	1
3.57	1.16	0.49	6.25	1.48	1.21	1
3.50	1.13	0.48	6.25	1.48	1.21	1
3.50	1.13	0.48	6.25	1.48	1.21	1
3.43	1.11	0.47	6.25	1.47	1.20	1
3.36	1.08	0.46	6.25	1.47	1.20	1
3.29	1.06	0.45	6.25	1.46	1.19	1
3.21	1.04	0.44	6.25	1.46	1.19	1
3.14	1.01	0.43	6.25	1.45	1.18	1
3.07	0.99	0.42	6.25	1.45	1.18	1
3.00	0.96	0.41	6.25	1.44	1.17	1
2.93	0.94	0.40	6.25	1.44	1.17	1
2.86	0.92	0.39	6.25	1.43	1.16	1
2.79	0.89	0.38	6.25	1.43	1.15	1
2.71	0.87	0.37	6.25	1.42	1.15	1
2.64	0.84	0.36	6.25	1.42	1.14	1
2.57	0.82	0.35	6.25	1.41	1.14	1
2.50	0.80	0.34	6.25	1.41	1.13	1
2.43	0.77	0.33	6.25	1.40	1.13	1
2.36	0.75	0.33	6.25	1.40	1.12	1
2.29	0.73	0.32	6.25	1.39	1.12	1
2.21	0.70	0.31	6.25	1.38	1.11	1
2.14	0.68	0.30	6.25	1.38	1.11	1
2.07	0.65	0.29	6.25	1.37	1.10	1
2.00	0.63	0.28	6.25	1.37	1.10	1
1.93	0.61	0.27	6.25	1.36	1.09	1
1.86	0.58	0.26	6.25	1.36	1.08	1
1.79	0.56	0.25	6.25	1.35	1.08	1
1.71	0.54	0.24	6.25	1.35	1.07	1
1.64	0.52	0.23	6.25	1.34	1.07	1
1.57	0.49	0.22	6.25	1.34	1.06	1
1.50	0.47	0.21	6.25	1.33	1.06	1
1.43	0.45	0.20	6.25	1.32	1.05	1
1.36	0.42	0.19	6.25	1.32	1.05	1
1.29	0.40	0.18	6.25	1.31	1.04	1
1.21	0.38	0.17	6.25	1.31	1.04	1
1.14	0.36	0.16	6.25	1.30	1.03	1
1.07	0.33	0.15	6.25	1.30	1.03	1
1.00	0.31	0.14	6.25	1.29	1.02	1
1.00	0.31	0.14	6.25	1.29	1.02	1
0.97	0.30	0.13	6.25	1.29	1.02	1
0.94	0.29	0.13	6.25	1.29	1.02	1
0.91	0.28	0.13	6.25	1.28	1.01	1
0.89	0.27	0.12	6.25	1.28	1.01	1
0.86	0.27	0.12	6.25	1.28	1.01	1
0.83	0.26	0.11	6.25	1.28	1.01	1
0.80	0.25	0.11	6.25	1.27	1.01	1
0.77	0.24	0.11	6.25	1.27	1.00	1
0.74	0.23	0.10	6.25	1.27	1.00	1
0.71	0.22	0.10	6.25	1.27	1.00	1
0.69	0.21	0.09	6.25	1.26	1.00	1
0.66	0.20	0.09	6.25	1.26	0.99	1

b420.pso						
0.63	0.19	0.09	6.25	1.26	0.99	1
0.60	0.18	0.08	6.25	1.26	0.99	1
0.57	0.18	0.08	6.25	1.25	0.99	1
0.54	0.17	0.07	6.25	1.25	0.99	1
0.51	0.16	0.07	6.25	1.25	0.98	1
0.49	0.15	0.07	6.25	1.25	0.98	1
0.46	0.14	0.06	6.25	1.24	0.98	1
0.43	0.13	0.06	6.25	1.24	0.98	1
0.40	0.12	0.06	6.25	1.24	0.98	1
0.37	0.11	0.05	6.25	1.24	0.97	1
0.34	0.10	0.05	6.25	1.23	0.97	1
0.31	0.10	0.04	6.25	1.23	0.97	1
0.29	0.09	0.04	6.25	1.23	0.97	1
0.26	0.08	0.04	6.25	1.23	0.97	1
0.23	0.07	0.03	6.25	1.22	0.97	1
0.20	0.06	0.03	6.25	1.22	0.97	1
0.17	0.05	0.02	6.25	1.22	0.96	1
0.14	0.04	0.02	6.25	1.22	0.96	1
0.11	0.03	0.02	6.25	1.21	0.96	1
0.09	0.03	0.01	6.25	1.21	0.96	1
0.06	0.02	0.01	6.25	1.21	0.96	1
0.03	0.01	0.00	6.25	1.21	0.96	1
0.00	0.00	0.00	6.25	1.20	0.96	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.43	0.00	0.00	0.00	0.00	0.00	1
2.42	0.84	0.84	0.00	0.00	0.00	1
2.41	1.69	1.69	0.00	0.00	0.00	1
2.40	2.53	2.53	0.00	0.00	0.00	1
2.39	3.38	3.38	0.00	0.00	0.00	1
2.37	4.22	4.22	0.00	0.00	0.00	1
2.36	5.06	5.06	0.00	0.00	0.00	1
2.35	5.91	5.91	0.00	0.00	0.00	1
2.34	6.90	6.90	0.00	0.00	0.00	1
2.33	8.10	3.72	4.38	0.78	3.60	1
2.32	9.30	4.11	5.19	1.58	3.62	1
2.30	10.50	4.46	6.04	2.36	3.68	1
2.29	11.69	4.78	6.91	3.14	3.78	1
2.28	12.87	5.14	7.74	3.90	3.83	1
2.27	14.04	5.69	8.35	4.66	3.69	1
2.25	15.21	6.18	9.03	5.42	3.61	1
2.24	16.37	6.61	9.76	6.16	3.60	1
2.23	17.53	7.02	10.50	6.90	3.60	1
2.22	18.67	7.42	11.25	7.64	3.61	1
2.21	19.82	7.78	12.04	8.37	3.66	1
2.20	20.96	8.11	12.85	9.10	3.75	1
2.18	22.10	8.41	13.68	9.82	3.86	1
2.17	23.23	8.69	14.54	10.54	3.99	1
2.16	24.36	8.95	15.41	11.26	4.15	1
2.15	25.48	9.19	16.29	11.97	4.32	1
2.14	26.61	9.42	17.18	12.68	4.50	1
2.13	27.73	9.64	18.09	13.39	4.70	1
2.12	28.84	9.84	19.00	14.09	4.91	1
2.10	29.96	10.08	19.88	14.79	5.09	1
2.09	31.07	10.49	20.58	15.49	5.09	1
2.08	32.18	10.90	21.28	16.19	5.09	1
2.07	33.29	11.29	22.00	16.88	5.12	1
2.06	34.39	11.67	22.73	17.58	5.15	1
2.05	35.50	12.03	23.46	18.27	5.20	1
2.04	36.60	12.39	24.21	18.95	5.26	1

b420.pso

2.03	37.70	12.73	24.97	19.64	5.33	1
2.03	37.70	12.73	24.97	19.64	5.33	1
2.00	40.44	13.59	26.85	21.35	5.50	1
1.97	43.16	14.38	28.78	23.04	5.74	1
1.95	45.88	15.12	30.76	24.73	6.04	1
1.92	48.59	15.80	32.79	26.40	6.39	1
1.89	51.28	16.44	34.85	28.06	6.79	1
1.87	53.97	17.03	36.95	29.72	7.23	1
1.84	56.65	17.58	39.08	31.37	7.71	1
1.81	59.33	18.09	41.24	33.01	8.23	1
1.79	61.99	18.57	43.42	34.64	8.78	1
1.76	64.65	19.02	45.63	36.26	9.36	1
1.73	67.30	19.45	47.85	37.88	9.97	1
1.71	69.95	19.85	50.10	39.50	10.60	1
1.68	72.59	20.23	52.36	41.11	11.25	1
1.66	75.23	20.59	54.64	42.71	11.93	1
1.63	77.86	20.93	56.92	44.31	12.62	1
1.61	80.48	21.26	59.22	45.90	13.32	1
1.58	83.10	21.57	61.53	47.49	14.04	1
1.56	85.72	21.87	63.85	49.07	14.78	1
1.53	88.33	22.16	66.17	50.65	15.52	1
1.50	90.94	22.44	68.50	52.23	16.28	1
1.48	93.55	22.71	70.84	53.80	17.04	1
1.45	96.15	22.97	73.18	55.37	17.81	1
1.43	98.74	23.22	75.52	56.93	18.59	1
1.40	101.34	23.47	77.86	58.49	19.37	1
1.38	103.93	23.72	80.21	60.05	20.16	1
1.35	106.51	23.96	82.56	61.60	20.96	1
1.33	109.10	24.19	84.90	63.15	21.75	1
1.30	111.68	24.42	87.25	64.70	22.55	1
1.28	114.25	24.65	89.60	66.24	23.35	1
1.26	116.83	24.88	91.94	67.78	24.16	1
1.23	119.40	25.24	94.16	69.32	24.84	1
1.21	121.96	25.73	96.24	70.85	25.38	1
1.18	124.53	26.21	98.32	72.38	25.93	1
1.16	127.09	26.68	100.40	73.91	26.49	1
1.13	129.64	27.16	102.48	75.44	27.05	1
1.13	129.64	27.16	102.48	75.44	27.05	1
1.11	132.20	27.63	104.56	76.96	27.61	1
1.08	134.75	28.10	106.64	78.48	28.17	1
1.06	137.29	28.57	108.72	79.99	28.73	1
1.04	139.84	29.04	110.80	81.50	29.30	1
1.01	142.38	29.51	112.87	83.01	29.86	1
0.99	144.92	29.98	114.94	84.52	30.43	1
0.96	147.45	30.45	117.01	86.02	30.99	1
0.94	149.99	30.91	119.07	87.52	31.56	1
0.92	152.51	31.38	121.13	89.01	32.12	1
0.89	155.04	31.85	123.19	90.51	32.68	1
0.87	157.56	32.32	125.24	92.00	33.24	1
0.84	160.08	32.80	127.29	93.48	33.80	1
0.82	162.60	33.27	129.33	94.97	34.36	1
0.80	165.11	33.75	131.37	96.45	34.92	1
0.77	167.62	34.22	133.40	97.92	35.47	1
0.75	170.13	34.70	135.42	99.40	36.03	1
0.73	172.63	35.19	137.45	100.87	36.58	1
0.70	175.13	35.67	139.46	102.34	37.12	1
0.68	177.63	36.16	141.47	103.80	37.67	1
0.65	180.13	36.65	143.47	105.26	38.21	1
0.63	182.62	37.15	145.47	106.72	38.75	1
0.61	185.10	37.64	147.46	108.18	39.29	1
0.58	187.59	38.14	149.45	109.63	39.82	1
0.56	190.07	38.64	151.42	111.07	40.35	1
0.54	192.55	39.15	153.40	112.52	40.88	1

			b420.pso			
0.52	195.02	39.66	155.36	113.96	41.40	1
0.49	197.49	40.17	157.32	115.40	41.92	1
0.47	199.96	40.69	159.27	116.83	42.44	1
0.45	202.42	41.21	161.22	118.26	42.95	1
0.42	204.88	41.73	163.15	119.69	43.46	1
0.40	207.34	42.25	165.09	121.12	43.97	1
0.38	209.79	42.78	167.01	122.54	44.47	1
0.36	212.24	43.32	168.93	123.95	44.97	1
0.33	214.69	43.85	170.83	125.37	45.47	1
0.31	217.13	44.40	172.74	126.78	45.96	1
0.31	217.13	44.40	172.74	126.78	45.96	1
0.30	218.11	44.61	173.50	127.34	46.16	1
0.29	219.08	44.83	174.25	127.90	46.35	1
0.28	220.06	45.05	175.01	128.46	46.55	1
0.27	221.03	45.27	175.77	129.03	46.74	1
0.27	222.01	45.49	176.52	129.59	46.93	1
0.26	222.98	45.71	177.27	130.15	47.13	1
0.25	223.95	45.93	178.03	130.71	47.32	1
0.24	224.92	46.15	178.78	131.26	47.51	1
0.23	225.90	46.37	179.53	131.82	47.70	1
0.22	226.87	46.59	180.27	132.38	47.89	1
0.21	227.84	46.82	181.02	132.94	48.08	1
0.20	228.81	47.04	181.77	133.49	48.27	1
0.19	229.78	47.27	182.51	134.05	48.46	1
0.18	230.74	47.49	183.25	134.61	48.65	1
0.18	231.71	47.72	183.99	135.16	48.83	1
0.17	232.68	47.95	184.73	135.71	49.02	1
0.16	233.65	48.18	185.47	136.27	49.20	1
0.15	234.61	48.40	186.21	136.82	49.39	1
0.14	235.58	48.63	186.94	137.37	49.57	1
0.13	236.54	48.87	187.68	137.92	49.75	1
0.12	237.51	49.10	188.41	138.48	49.93	1
0.11	238.47	49.33	189.14	139.03	50.11	1
0.10	239.43	49.56	189.87	139.58	50.29	1
0.10	240.40	49.80	190.60	140.13	50.47	1
0.09	241.36	50.07	191.29	140.67	50.62	1
0.08	242.32	50.56	191.76	141.22	50.54	1
0.07	243.28	51.05	192.23	141.77	50.46	1
0.06	244.24	51.55	192.69	142.32	50.38	1
0.05	245.20	52.04	193.16	142.86	50.29	1
0.04	246.16	52.54	193.62	143.41	50.21	1
0.03	247.11	53.04	194.07	143.95	50.12	1
0.03	248.07	53.54	194.53	144.50	50.03	1
0.02	249.03	54.05	194.98	145.04	49.94	1
0.01	249.98	54.56	195.43	145.58	49.85	1
0.00	250.94	55.06	195.88	146.13	49.75	1

Time = 90. Degree of Consolidation = 95.0%

Total Settlement = 4.571

Settlement at End of Primary Consolidation = 4.787

Settlement caused by Primary Consolidation at time 90. = 4.528

Settlement caused by Secondary Compression at time 90. = 0.000

Settlement Due to Desiccation = 0.043

Surface Elevation = 1.68

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.30	0.97	6.25	1.75	1.75	1
6.97	2.29	0.96	6.25	1.75	1.75	1
6.94	2.27	0.96	6.25	1.75	1.75	1
6.91	2.26	0.95	6.25	1.75	1.75	1
6.89	2.25	0.95	6.25	1.75	1.75	1
6.86	2.24	0.95	6.25	1.75	1.75	1
6.83	2.23	0.94	6.25	1.75	1.75	1
6.80	2.22	0.94	6.25	1.75	1.75	1
6.77	2.21	0.93	6.25	1.75	1.75	1
6.74	2.20	0.93	6.25	1.75	1.75	1
6.71	2.19	0.93	6.25	1.75	1.75	1
6.69	2.18	0.92	6.25	1.75	1.75	1
6.66	2.17	0.92	6.25	1.75	1.75	1
6.63	2.16	0.91	6.25	1.75	1.75	1
6.60	2.14	0.91	6.25	1.75	1.75	1
6.57	2.13	0.91	6.25	1.75	1.75	1
6.54	2.12	0.90	6.25	1.75	1.75	1
6.51	2.11	0.90	6.25	1.75	1.75	1
6.49	2.10	0.89	6.25	1.76	1.74	1
6.46	2.09	0.89	6.25	1.75	1.73	1
6.43	2.08	0.89	6.25	1.74	1.72	1
6.40	2.07	0.88	6.25	1.73	1.71	1
6.37	2.06	0.88	6.25	1.72	1.70	1
6.34	2.05	0.87	6.25	1.71	1.69	1
6.31	2.04	0.87	6.25	1.70	1.68	1
6.29	2.03	0.87	6.25	1.69	1.67	1
6.26	2.02	0.86	6.25	1.68	1.66	1
6.23	2.01	0.86	6.25	1.68	1.65	1
6.20	1.99	0.86	6.25	1.67	1.64	1
6.17	1.98	0.85	6.25	1.66	1.63	1
6.14	1.97	0.85	6.25	1.65	1.62	1
6.11	1.96	0.84	6.25	1.65	1.61	1
6.09	1.95	0.84	6.25	1.64	1.60	1
6.06	1.94	0.84	6.25	1.63	1.59	1
6.03	1.93	0.83	6.25	1.62	1.58	1
6.00	1.92	0.83	6.25	1.62	1.57	1
6.00	1.92	0.83	6.25	1.62	1.57	1
5.93	1.90	0.82	6.25	1.60	1.55	1
5.86	1.87	0.81	6.25	1.59	1.52	1
5.79	1.85	0.80	6.25	1.57	1.50	1
5.71	1.82	0.79	6.25	1.56	1.49	1
5.64	1.79	0.78	6.25	1.55	1.48	1
5.57	1.77	0.77	6.25	1.53	1.47	1
5.50	1.74	0.76	6.25	1.52	1.46	1
5.43	1.72	0.75	6.25	1.51	1.44	1
5.36	1.70	0.74	6.25	1.50	1.43	1
5.29	1.67	0.73	6.25	1.49	1.42	1
5.21	1.65	0.72	6.25	1.48	1.41	1
5.14	1.62	0.71	6.25	1.47	1.40	1
5.07	1.60	0.70	6.25	1.46	1.39	1
5.00	1.57	0.69	6.25	1.46	1.38	1
4.93	1.55	0.68	6.25	1.45	1.37	1
4.86	1.53	0.67	6.25	1.44	1.35	1
4.79	1.50	0.66	6.25	1.43	1.34	1
4.71	1.48	0.65	6.25	1.43	1.33	1

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4.64	1.45	0.64	6.25	1.42	1.32	1
4.57	1.43	0.63	6.25	1.42	1.31	1
4.50	1.41	0.62	6.25	1.41	1.30	1
4.43	1.38	0.61	6.25	1.40	1.29	1
4.36	1.36	0.60	6.25	1.40	1.28	1
4.29	1.33	0.59	6.25	1.39	1.27	1
4.21	1.31	0.58	6.25	1.39	1.25	1
4.14	1.29	0.57	6.25	1.38	1.24	1
4.07	1.26	0.56	6.25	1.38	1.23	1
4.00	1.24	0.55	6.25	1.37	1.23	1
3.93	1.22	0.54	6.25	1.37	1.22	1
3.86	1.19	0.53	6.25	1.36	1.21	1
3.79	1.17	0.52	6.25	1.36	1.21	1
3.71	1.15	0.51	6.25	1.35	1.20	1
3.64	1.12	0.50	6.25	1.35	1.20	1
3.57	1.10	0.49	6.25	1.34	1.19	1
3.50	1.08	0.48	6.25	1.34	1.19	1
3.50	1.08	0.48	6.25	1.34	1.19	1
3.43	1.06	0.47	6.25	1.34	1.18	1
3.36	1.03	0.46	6.25	1.33	1.18	1
3.29	1.01	0.45	6.25	1.33	1.17	1
3.21	0.99	0.44	6.25	1.32	1.17	1
3.14	0.96	0.43	6.25	1.32	1.16	1
3.07	0.94	0.42	6.25	1.31	1.16	1
3.00	0.92	0.41	6.25	1.31	1.15	1
2.93	0.90	0.40	6.25	1.31	1.15	1
2.86	0.87	0.39	6.25	1.30	1.14	1
2.79	0.85	0.38	6.25	1.30	1.13	1
2.71	0.83	0.37	6.25	1.29	1.13	1
2.64	0.80	0.36	6.25	1.29	1.12	1
2.57	0.78	0.35	6.25	1.28	1.12	1
2.50	0.76	0.34	6.25	1.28	1.11	1
2.43	0.74	0.33	6.25	1.28	1.11	1
2.36	0.71	0.33	6.25	1.27	1.10	1
2.29	0.69	0.32	6.25	1.27	1.10	1
2.21	0.67	0.31	6.25	1.26	1.09	1
2.14	0.65	0.30	6.25	1.26	1.09	1
2.07	0.63	0.29	6.25	1.26	1.08	1
2.00	0.60	0.28	6.25	1.25	1.08	1
1.93	0.58	0.27	6.25	1.25	1.07	1
1.86	0.56	0.26	6.25	1.24	1.06	1
1.79	0.54	0.25	6.25	1.24	1.06	1
1.71	0.52	0.24	6.25	1.23	1.05	1
1.64	0.49	0.23	6.25	1.23	1.05	1
1.57	0.47	0.22	6.25	1.22	1.04	1
1.50	0.45	0.21	6.25	1.22	1.04	1
1.43	0.43	0.20	6.25	1.22	1.03	1
1.36	0.41	0.19	6.25	1.21	1.03	1
1.29	0.38	0.18	6.25	1.21	1.02	1
1.21	0.36	0.17	6.25	1.20	1.02	1
1.14	0.34	0.16	6.25	1.20	1.01	1
1.07	0.32	0.15	6.25	1.19	1.01	1
1.00	0.30	0.14	6.25	1.19	1.00	1
1.00	0.30	0.14	6.25	1.19	1.00	1
0.97	0.29	0.13	6.25	1.19	1.00	1
0.94	0.28	0.13	6.25	1.18	1.00	1
0.91	0.27	0.13	6.25	1.18	0.99	1
0.89	0.26	0.12	6.25	1.18	0.99	1
0.86	0.25	0.12	6.25	1.18	0.99	1
0.83	0.25	0.11	6.25	1.18	0.99	1
0.80	0.24	0.11	6.25	1.18	0.99	1
0.77	0.23	0.11	6.25	1.17	0.98	1
0.74	0.22	0.10	6.25	1.17	0.98	1

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0.71	0.21	0.10	6.25	1.17	0.98	1
0.69	0.20	0.09	6.25	1.17	0.98	1
0.66	0.19	0.09	6.25	1.17	0.97	1
0.63	0.19	0.09	6.25	1.16	0.97	1
0.60	0.18	0.08	6.25	1.16	0.97	1
0.57	0.17	0.08	6.25	1.16	0.97	1
0.54	0.16	0.07	6.25	1.16	0.97	1
0.51	0.15	0.07	6.25	1.16	0.97	1
0.49	0.14	0.07	6.25	1.15	0.97	1
0.46	0.13	0.06	6.25	1.15	0.96	1
0.43	0.13	0.06	6.25	1.15	0.96	1
0.40	0.12	0.06	6.25	1.15	0.96	1
0.37	0.11	0.05	6.25	1.15	0.96	1
0.34	0.10	0.05	6.25	1.14	0.96	1
0.31	0.09	0.04	6.25	1.14	0.96	1
0.29	0.08	0.04	6.25	1.14	0.96	1
0.26	0.08	0.04	6.25	1.14	0.96	1
0.23	0.07	0.03	6.25	1.14	0.96	1
0.20	0.06	0.03	6.25	1.13	0.95	1
0.17	0.05	0.02	6.25	1.13	0.95	1
0.14	0.04	0.02	6.25	1.13	0.95	1
0.11	0.03	0.02	6.25	1.13	0.95	1
0.09	0.03	0.01	6.25	1.13	0.95	1
0.06	0.02	0.01	6.25	1.12	0.95	1
0.03	0.01	0.00	6.25	1.12	0.95	1
0.00	0.00	0.00	6.25	1.12	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.30	0.00	0.00	0.00	0.00	0.00	1
2.29	0.84	0.84	0.00	0.00	0.00	1
2.27	1.69	1.69	0.00	0.00	0.00	1
2.26	2.53	2.53	0.00	0.00	0.00	1
2.25	3.38	3.38	0.00	0.00	0.00	1
2.24	4.22	4.22	0.00	0.00	0.00	1
2.23	5.06	5.06	0.00	0.00	0.00	1
2.22	5.91	5.91	0.00	0.00	0.00	1
2.21	6.75	6.75	0.00	0.00	0.00	1
2.20	7.60	7.60	0.00	0.00	0.00	1
2.19	8.44	8.44	0.00	0.00	0.00	1
2.18	9.28	9.28	0.00	0.00	0.00	1
2.17	10.13	10.13	0.00	0.00	0.00	1
2.16	10.97	10.97	0.00	0.00	0.00	1
2.14	11.82	11.82	0.00	0.00	0.00	1
2.13	12.66	12.66	0.00	0.00	0.00	1
2.12	13.51	13.51	0.00	0.00	0.00	1
2.11	14.47	14.47	0.00	0.00	0.00	1
2.10	15.56	14.05	1.51	0.68	0.84	1
2.09	16.65	14.46	2.19	1.35	0.84	1
2.08	17.74	14.88	2.86	2.03	0.84	1
2.07	18.83	15.28	3.54	2.70	0.84	1
2.06	19.91	15.68	4.23	3.37	0.86	1
2.05	20.99	16.06	4.92	4.04	0.89	1
2.04	22.07	16.44	5.63	4.70	0.93	1
2.03	23.14	16.80	6.34	5.36	0.98	1
2.02	24.22	17.16	7.06	6.02	1.04	1
2.01	25.29	17.50	7.79	6.68	1.11	1
1.99	26.36	17.83	8.52	7.34	1.18	1
1.98	27.43	18.16	9.27	8.00	1.27	1
1.97	28.49	18.48	10.02	8.65	1.37	1
1.96	29.56	18.79	10.77	9.30	1.47	1

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1.95	30.62	19.09	11.53	9.95	1.58	1
1.94	31.68	19.38	12.30	10.60	1.71	1
1.93	32.74	19.66	13.08	11.24	1.83	1
1.92	33.80	19.94	13.86	11.89	1.97	1
1.92	33.80	19.94	13.86	11.89	1.97	1
1.90	36.44	20.63	15.80	13.49	2.31	1
1.87	39.06	21.29	17.78	15.09	2.69	1
1.85	41.68	21.90	19.78	16.67	3.11	1
1.82	44.29	22.48	21.81	18.25	3.56	1
1.79	46.89	23.03	23.86	19.82	4.05	1
1.77	49.49	23.55	25.94	21.38	4.56	1
1.74	52.07	24.04	28.03	22.93	5.10	1
1.72	54.65	24.51	30.14	24.48	5.66	1
1.70	57.23	24.96	32.27	26.02	6.25	1
1.67	59.80	25.83	33.97	27.56	6.41	1
1.65	62.36	26.70	35.66	29.09	6.58	1
1.62	64.91	27.52	37.40	30.61	6.79	1
1.60	67.46	28.30	39.17	32.13	7.04	1
1.57	70.01	29.04	40.97	33.64	7.33	1
1.55	72.55	29.74	42.81	35.15	7.66	1
1.53	75.09	30.42	44.67	36.65	8.02	1
1.50	77.62	31.06	46.56	38.15	8.41	1
1.48	80.14	31.68	48.47	39.64	8.82	1
1.45	82.67	32.27	50.39	41.13	9.26	1
1.43	85.19	32.85	52.34	42.62	9.72	1
1.41	87.70	33.40	54.30	44.10	10.20	1
1.38	90.22	33.93	56.28	45.58	10.70	1
1.36	92.72	34.45	58.27	47.06	11.21	1
1.33	95.23	34.96	60.27	48.53	11.74	1
1.31	97.73	35.45	62.28	50.00	12.28	1
1.29	100.23	35.93	64.30	51.47	12.84	1
1.26	102.73	36.39	66.33	52.93	13.40	1
1.24	105.22	36.85	68.37	54.39	13.98	1
1.22	107.71	37.30	70.41	55.85	14.56	1
1.19	110.19	37.74	72.46	57.30	15.16	1
1.17	112.68	38.17	74.51	58.75	15.76	1
1.15	115.16	38.59	76.57	60.20	16.37	1
1.12	117.64	39.01	78.62	61.64	16.98	1
1.10	120.11	39.43	80.69	63.09	17.60	1
1.08	122.59	39.84	82.75	64.53	18.22	1
1.08	122.59	39.84	82.75	64.53	18.22	1
1.06	125.06	40.24	84.81	65.96	18.85	1
1.03	127.52	40.65	86.87	67.40	19.48	1
1.01	129.99	41.05	88.94	68.83	20.11	1
0.99	132.45	41.45	91.00	70.26	20.74	1
0.96	134.91	41.84	93.07	71.69	21.38	1
0.94	137.37	42.24	95.13	73.11	22.02	1
0.92	139.82	42.63	97.19	74.53	22.66	1
0.90	142.27	43.02	99.25	75.95	23.30	1
0.87	144.72	43.41	101.31	77.37	23.95	1
0.85	147.17	43.79	103.37	78.78	24.59	1
0.83	149.61	44.18	105.43	80.19	25.24	1
0.80	152.05	44.57	107.49	81.60	25.89	1
0.78	154.49	44.95	109.54	83.00	26.53	1
0.76	156.93	45.34	111.59	84.41	27.18	1
0.74	159.36	45.72	113.63	85.81	27.83	1
0.71	161.79	46.11	115.68	87.21	28.47	1
0.69	164.22	46.50	117.72	88.60	29.12	1
0.67	166.64	46.89	119.75	89.99	29.76	1
0.65	169.07	47.28	121.79	91.38	30.40	1
0.63	171.49	47.67	123.82	92.77	31.04	1
0.60	173.91	48.06	125.84	94.16	31.68	1
0.58	176.32	48.46	127.86	95.54	32.32	1

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0.56	178.73	48.86	129.88	96.92	32.96	1
0.54	181.14	49.26	131.89	98.30	33.59	1
0.52	183.55	49.66	133.89	99.67	34.22	1
0.49	185.96	50.13	135.82	101.04	34.78	1
0.47	188.36	50.98	137.38	102.41	34.97	1
0.45	190.76	51.83	138.92	103.78	35.14	1
0.43	193.15	52.69	140.46	105.14	35.32	1
0.41	195.55	53.56	141.99	106.50	35.48	1
0.38	197.94	54.43	143.50	107.86	35.64	1
0.36	200.33	55.31	145.01	109.22	35.79	1
0.34	202.71	56.20	146.51	110.57	35.94	1
0.32	205.09	57.09	148.00	111.92	36.08	1
0.30	207.47	57.99	149.48	113.27	36.22	1
0.30	207.47	57.99	149.48	113.27	36.22	1
0.29	208.42	58.35	150.07	113.80	36.27	1
0.28	209.38	58.71	150.66	114.34	36.32	1
0.27	210.33	59.07	151.25	114.88	36.37	1
0.26	211.28	59.44	151.84	115.41	36.42	1
0.25	212.22	59.80	152.42	115.95	36.47	1
0.25	213.17	60.17	153.01	116.49	36.52	1
0.24	214.12	60.53	153.59	117.02	36.57	1
0.23	215.07	60.90	154.17	117.56	36.62	1
0.22	216.02	61.26	154.75	118.09	36.66	1
0.21	216.96	61.63	155.33	118.62	36.71	1
0.20	217.91	62.00	155.91	119.16	36.75	1
0.19	218.86	62.37	156.48	119.69	36.79	1
0.19	219.80	62.74	157.06	120.22	36.83	1
0.18	220.75	63.12	157.63	120.75	36.88	1
0.17	221.69	63.49	158.20	121.29	36.92	1
0.16	222.63	63.86	158.77	121.82	36.95	1
0.15	223.58	64.24	159.34	122.35	36.99	1
0.14	224.52	64.61	159.91	122.88	37.03	1
0.13	225.46	64.99	160.47	123.41	37.07	1
0.13	226.41	65.37	161.04	123.94	37.10	1
0.12	227.35	65.75	161.60	124.46	37.14	1
0.11	228.29	66.13	162.16	124.99	37.17	1
0.10	229.23	66.51	162.72	125.52	37.20	1
0.09	230.17	66.89	163.28	126.05	37.23	1
0.08	231.11	67.27	163.84	126.57	37.26	1
0.08	232.05	67.65	164.39	127.10	37.30	1
0.07	232.99	68.04	164.95	127.62	37.32	1
0.06	233.93	68.42	165.50	128.15	37.35	1
0.05	234.86	68.81	166.05	128.67	37.38	1
0.04	235.80	69.20	166.61	129.20	37.41	1
0.03	236.74	69.58	167.15	129.72	37.43	1
0.03	237.67	69.97	167.70	130.25	37.46	1
0.02	238.61	70.36	168.25	130.77	37.48	1
0.01	239.54	70.75	168.79	131.29	37.50	1
0.00	240.48	71.14	169.34	131.81	37.53	1

Time = 150. Degree of Consolidation = 96.0%

Total Settlement = 4.703

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 150. = 4.649

Settlement caused by Secondary Compression at time 150. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.55

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.27	0.97	6.25	1.75	1.75	1
6.97	2.26	0.96	6.25	1.75	1.75	1
6.94	2.24	0.96	6.25	1.75	1.75	1
6.91	2.23	0.95	6.25	1.75	1.75	1
6.89	2.22	0.95	6.25	1.75	1.75	1
6.86	2.21	0.95	6.25	1.75	1.75	1
6.83	2.20	0.94	6.25	1.75	1.75	1
6.80	2.19	0.94	6.25	1.75	1.75	1
6.77	2.18	0.93	6.25	1.75	1.75	1
6.74	2.17	0.93	6.25	1.75	1.75	1
6.71	2.16	0.93	6.25	1.75	1.75	1
6.69	2.15	0.92	6.25	1.75	1.75	1
6.66	2.14	0.92	6.25	1.75	1.75	1
6.63	2.13	0.91	6.25	1.75	1.75	1
6.60	2.11	0.91	6.25	1.75	1.75	1
6.57	2.10	0.91	6.25	1.75	1.75	1
6.54	2.09	0.90	6.25	1.75	1.75	1
6.51	2.08	0.90	6.25	1.75	1.75	1
6.49	2.07	0.89	6.25	1.74	1.74	1
6.46	2.06	0.89	6.25	1.73	1.73	1
6.43	2.05	0.89	6.25	1.72	1.72	1
6.40	2.04	0.88	6.25	1.71	1.71	1
6.37	2.03	0.88	6.25	1.70	1.70	1
6.34	2.02	0.87	6.25	1.69	1.69	1
6.31	2.01	0.87	6.25	1.68	1.68	1
6.29	2.00	0.87	6.25	1.67	1.67	1
6.26	1.99	0.86	6.25	1.66	1.66	1
6.23	1.98	0.86	6.25	1.65	1.65	1
6.20	1.97	0.86	6.25	1.65	1.64	1
6.17	1.96	0.85	6.25	1.64	1.63	1
6.14	1.94	0.85	6.25	1.63	1.62	1
6.11	1.93	0.84	6.25	1.62	1.61	1
6.09	1.92	0.84	6.25	1.61	1.60	1
6.06	1.91	0.84	6.25	1.61	1.59	1
6.03	1.90	0.83	6.25	1.60	1.58	1
6.00	1.89	0.83	6.25	1.59	1.57	1
6.00	1.89	0.83	6.25	1.59	1.57	1
5.93	1.87	0.82	6.25	1.58	1.55	1
5.86	1.84	0.81	6.25	1.56	1.52	1
5.79	1.82	0.80	6.25	1.55	1.50	1
5.71	1.79	0.79	6.25	1.53	1.49	1
5.64	1.77	0.78	6.25	1.52	1.48	1
5.57	1.74	0.77	6.25	1.50	1.47	1
5.50	1.72	0.76	6.25	1.49	1.46	1
5.43	1.69	0.75	6.25	1.48	1.44	1
5.36	1.67	0.74	6.25	1.47	1.43	1
5.29	1.65	0.73	6.25	1.46	1.42	1
5.21	1.62	0.72	6.25	1.45	1.41	1
5.14	1.60	0.71	6.25	1.44	1.40	1
5.07	1.57	0.70	6.25	1.43	1.39	1
5.00	1.55	0.69	6.25	1.42	1.38	1
4.93	1.53	0.68	6.25	1.41	1.37	1

4.86	1.50	0.67	b420.pso	6.25	1.41	1.35	1
4.79	1.48	0.66		6.25	1.40	1.34	1
4.71	1.45	0.65		6.25	1.39	1.33	1
4.64	1.43	0.64		6.25	1.39	1.32	1
4.57	1.41	0.63		6.25	1.38	1.31	1
4.50	1.38	0.62		6.25	1.37	1.30	1
4.43	1.36	0.61		6.25	1.37	1.29	1
4.36	1.34	0.60		6.25	1.36	1.28	1
4.29	1.31	0.59		6.25	1.36	1.27	1
4.21	1.29	0.58		6.25	1.35	1.25	1
4.14	1.27	0.57		6.25	1.35	1.24	1
4.07	1.24	0.56		6.25	1.34	1.23	1
4.00	1.22	0.55		6.25	1.33	1.23	1
3.93	1.20	0.54		6.25	1.33	1.22	1
3.86	1.18	0.53		6.25	1.33	1.21	1
3.79	1.15	0.52		6.25	1.32	1.21	1
3.71	1.13	0.51		6.25	1.32	1.20	1
3.64	1.11	0.50		6.25	1.31	1.20	1
3.57	1.08	0.49		6.25	1.31	1.19	1
3.50	1.06	0.48		6.25	1.30	1.19	1
3.50	1.06	0.48		6.25	1.30	1.19	1
3.43	1.04	0.47		6.25	1.30	1.18	1
3.36	1.02	0.46		6.25	1.29	1.18	1
3.29	0.99	0.45		6.25	1.29	1.17	1
3.21	0.97	0.44		6.25	1.28	1.17	1
3.14	0.95	0.43		6.25	1.28	1.16	1
3.07	0.93	0.42		6.25	1.28	1.16	1
3.00	0.90	0.41		6.25	1.27	1.15	1
2.93	0.88	0.40		6.25	1.27	1.15	1
2.86	0.86	0.39		6.25	1.26	1.14	1
2.79	0.84	0.38		6.25	1.26	1.13	1
2.71	0.81	0.37		6.25	1.26	1.13	1
2.64	0.79	0.36		6.25	1.25	1.12	1
2.57	0.77	0.35		6.25	1.25	1.12	1
2.50	0.75	0.34		6.25	1.24	1.11	1
2.43	0.73	0.33		6.25	1.24	1.11	1
2.36	0.70	0.33		6.25	1.24	1.10	1
2.29	0.68	0.32		6.25	1.23	1.10	1
2.21	0.66	0.31		6.25	1.23	1.09	1
2.14	0.64	0.30		6.25	1.22	1.09	1
2.07	0.62	0.29		6.25	1.22	1.08	1
2.00	0.59	0.28		6.25	1.21	1.08	1
1.93	0.57	0.27		6.25	1.21	1.07	1
1.86	0.55	0.26		6.25	1.21	1.06	1
1.79	0.53	0.25		6.25	1.20	1.06	1
1.71	0.51	0.24		6.25	1.20	1.05	1
1.64	0.49	0.23		6.25	1.19	1.05	1
1.57	0.46	0.22		6.25	1.19	1.04	1
1.50	0.44	0.21		6.25	1.19	1.04	1
1.43	0.42	0.20		6.25	1.18	1.03	1
1.36	0.40	0.19		6.25	1.18	1.03	1
1.29	0.38	0.18		6.25	1.17	1.02	1
1.21	0.36	0.17		6.25	1.17	1.02	1
1.14	0.34	0.16		6.25	1.16	1.01	1
1.07	0.31	0.15		6.25	1.16	1.01	1
1.00	0.29	0.14		6.25	1.15	1.00	1
1.00	0.29	0.14		6.25	1.15	1.00	1
0.97	0.28	0.13		6.25	1.15	1.00	1
0.94	0.28	0.13		6.25	1.15	1.00	1
0.91	0.27	0.13		6.25	1.15	0.99	1
0.89	0.26	0.12		6.25	1.15	0.99	1
0.86	0.25	0.12		6.25	1.15	0.99	1
0.83	0.24	0.11		6.25	1.14	0.99	1

			b420.pso			
0.80	0.23	0.11	6.25	1.14	0.99	1
0.77	0.23	0.11	6.25	1.14	0.98	1
0.74	0.22	0.10	6.25	1.14	0.98	1
0.71	0.21	0.10	6.25	1.14	0.98	1
0.69	0.20	0.09	6.25	1.14	0.98	1
0.66	0.19	0.09	6.25	1.13	0.97	1
0.63	0.18	0.09	6.25	1.13	0.97	1
0.60	0.17	0.08	6.25	1.13	0.97	1
0.57	0.17	0.08	6.25	1.13	0.97	1
0.54	0.16	0.07	6.25	1.13	0.97	1
0.51	0.15	0.07	6.25	1.12	0.97	1
0.49	0.14	0.07	6.25	1.12	0.97	1
0.46	0.13	0.06	6.25	1.12	0.96	1
0.43	0.12	0.06	6.25	1.12	0.96	1
0.40	0.12	0.06	6.25	1.12	0.96	1
0.37	0.11	0.05	6.25	1.12	0.96	1
0.34	0.10	0.05	6.25	1.11	0.96	1
0.31	0.09	0.04	6.25	1.11	0.96	1
0.29	0.08	0.04	6.25	1.11	0.96	1
0.26	0.07	0.04	6.25	1.11	0.96	1
0.23	0.07	0.03	6.25	1.11	0.96	1
0.20	0.06	0.03	6.25	1.10	0.95	1
0.17	0.05	0.02	6.25	1.10	0.95	1
0.14	0.04	0.02	6.25	1.10	0.95	1
0.11	0.03	0.02	6.25	1.10	0.95	1
0.09	0.02	0.01	6.25	1.10	0.95	1
0.06	0.02	0.01	6.25	1.09	0.95	1
0.03	0.01	0.00	6.25	1.09	0.95	1
0.00	0.00	0.00	6.25	1.09	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.27	0.00	0.00	0.00	0.00	0.00	1
2.26	0.84	0.84	0.00	0.00	0.00	1
2.24	1.69	1.69	0.00	0.00	0.00	1
2.23	2.53	2.53	0.00	0.00	0.00	1
2.22	3.38	3.38	0.00	0.00	0.00	1
2.21	4.22	4.22	0.00	0.00	0.00	1
2.20	5.06	5.06	0.00	0.00	0.00	1
2.19	5.91	5.91	0.00	0.00	0.00	1
2.18	6.75	6.75	0.00	0.00	0.00	1
2.17	7.60	7.60	0.00	0.00	0.00	1
2.16	8.44	8.44	0.00	0.00	0.00	1
2.15	9.28	9.28	0.00	0.00	0.00	1
2.14	10.13	10.13	0.00	0.00	0.00	1
2.13	10.97	10.97	0.00	0.00	0.00	1
2.11	11.82	11.82	0.00	0.00	0.00	1
2.10	12.66	12.66	0.00	0.00	0.00	1
2.09	13.51	13.51	0.00	0.00	0.00	1
2.08	14.47	14.47	0.00	0.00	0.00	1
2.07	15.56	14.89	0.67	0.67	0.00	1
2.06	16.65	15.30	1.35	1.35	0.00	1
2.05	17.73	15.71	2.01	2.01	0.00	1
2.04	18.81	16.13	2.68	2.68	0.00	1
2.03	19.89	16.53	3.35	3.35	0.00	1
2.02	20.96	16.93	4.03	4.01	0.02	1
2.01	22.03	17.32	4.72	4.67	0.05	1
2.00	23.10	17.70	5.41	5.33	0.08	1
1.99	24.17	18.06	6.11	5.98	0.13	1
1.98	25.24	18.42	6.82	6.64	0.19	1
1.97	26.30	18.77	7.54	7.29	0.25	1

1.96	27.37	19.11	b420.pso	7.94	0.32	1
1.94	28.43	19.44	8.26	8.58	0.41	1
1.93	29.49	19.76	8.99	9.23	0.50	1
1.92	30.54	20.07	9.73	9.87	0.60	1
1.91	31.60	20.38	10.47	10.52	0.70	1
1.90	32.65	20.68	11.22	11.16	0.82	1
1.89	33.71	20.97	11.97	11.80	0.94	1
1.89	33.71	20.97	12.73	11.80	0.94	1
1.87	36.33	21.70	12.73	11.80	0.94	1
1.84	38.94	22.39	14.62	13.38	1.24	1
1.82	41.54	23.05	16.55	14.96	1.58	1
1.79	44.14	23.66	18.50	16.53	1.96	1
1.77	46.72	24.25	20.47	18.09	2.38	1
1.74	49.30	24.81	22.47	19.65	2.82	1
1.72	51.86	25.75	24.48	21.19	3.29	1
1.69	54.43	26.83	26.12	22.73	3.39	1
1.67	56.98	27.85	27.59	24.25	3.34	1
1.65	59.53	28.81	29.13	25.77	3.35	1
1.62	62.07	29.72	30.72	27.29	3.43	1
1.60	64.60	30.58	32.35	28.80	3.55	1
1.57	67.13	31.40	34.02	30.30	3.72	1
1.55	69.66	32.17	35.74	31.80	3.94	1
1.53	72.18	32.91	37.49	33.29	4.20	1
1.50	74.69	33.62	39.27	34.78	4.49	1
1.48	77.20	34.29	41.08	36.26	4.82	1
1.45	79.71	34.94	42.91	37.74	5.18	1
1.43	82.21	35.56	44.77	39.21	5.56	1
1.41	84.71	36.16	46.65	40.68	5.97	1
1.38	87.20	36.73	48.55	42.14	6.41	1
1.36	89.69	37.29	50.47	43.60	6.86	1
1.34	92.18	37.83	52.40	45.06	7.34	1
1.31	94.66	38.35	54.35	46.51	7.84	1
1.29	97.14	38.86	56.31	47.96	8.35	1
1.27	99.62	39.35	58.28	49.41	8.87	1
1.24	102.09	39.83	60.27	50.85	9.41	1
1.22	104.56	40.30	62.26	52.29	9.97	1
1.20	107.03	40.75	64.26	53.73	10.53	1
1.18	109.49	41.20	66.27	55.17	11.11	1
1.15	111.95	41.64	68.29	56.60	11.69	1
1.13	114.41	42.07	70.31	58.02	12.29	1
1.11	116.86	42.49	72.34	59.45	12.89	1
1.08	119.32	42.91	74.37	60.87	13.50	1
1.06	121.77	43.32	76.41	62.29	14.12	1
1.06	121.77	43.32	78.45	63.71	14.74	1
1.04	124.21	43.73	78.45	63.71	14.74	1
1.02	126.66	44.13	80.49	65.12	15.36	1
0.99	129.10	44.53	82.52	66.53	15.99	1
0.97	131.54	44.93	84.57	67.94	16.62	1
0.95	133.97	45.32	86.61	69.35	17.26	1
0.93	136.41	45.71	88.65	70.75	17.90	1
0.90	138.84	46.10	90.70	72.15	18.55	1
0.88	141.27	46.48	92.74	73.55	19.19	1
0.86	143.69	46.86	94.79	74.95	19.84	1
0.84	146.12	47.24	96.83	76.34	20.49	1
0.81	148.54	47.62	98.88	77.73	21.15	1
0.79	150.96	48.00	100.92	79.12	21.80	1
0.77	153.37	48.38	102.96	80.50	22.46	1
0.75	155.78	48.75	105.00	81.89	23.11	1
0.73	158.20	49.13	107.03	83.27	23.77	1
0.70	160.60	49.51	109.07	84.64	24.42	1
0.68	163.01	49.89	111.10	86.02	25.08	1
0.66	165.41	50.55	113.12	87.39	25.73	1
0.64	167.81	51.34	114.86	88.76	26.10	1
			116.47	90.13	26.34	1

			b420.pso			
0.62	170.21	52.13	118.08	91.50	26.58	1
0.59	172.61	52.93	119.68	92.86	26.82	1
0.57	175.00	53.73	121.27	94.22	27.05	1
0.55	177.39	54.53	122.86	95.58	27.28	1
0.53	179.78	55.34	124.44	96.93	27.51	1
0.51	182.16	56.15	126.02	98.28	27.73	1
0.49	184.55	56.96	127.59	99.63	27.95	1
0.46	186.93	57.78	129.15	100.98	28.17	1
0.44	189.31	58.60	130.71	102.33	28.38	1
0.42	191.68	59.42	132.26	103.67	28.59	1
0.40	194.05	60.25	133.80	105.01	28.79	1
0.38	196.42	61.08	135.34	106.35	28.99	1
0.36	198.79	61.92	136.87	107.68	29.19	1
0.34	201.15	62.76	138.39	109.01	29.38	1
0.31	203.52	63.61	139.91	110.34	29.57	1
0.29	205.87	64.45	141.42	111.67	29.75	1
0.29	205.87	64.45	141.42	111.67	29.75	1
0.28	206.82	64.79	142.02	112.20	29.83	1
0.28	207.76	65.13	142.63	112.73	29.90	1
0.27	208.70	65.47	143.23	113.25	29.97	1
0.26	209.64	65.81	143.83	113.78	30.05	1
0.25	210.58	66.16	144.43	114.31	30.12	1
0.24	211.52	66.50	145.03	114.84	30.19	1
0.23	212.46	66.84	145.62	115.36	30.26	1
0.23	213.40	67.19	146.22	115.89	30.33	1
0.22	214.34	67.53	146.81	116.42	30.40	1
0.21	215.28	67.88	147.41	116.94	30.46	1
0.20	216.22	68.22	148.00	117.47	30.53	1
0.19	217.16	68.57	148.59	117.99	30.60	1
0.18	218.10	68.91	149.18	118.52	30.66	1
0.17	219.03	69.26	149.77	119.04	30.73	1
0.17	219.97	69.61	150.36	119.57	30.79	1
0.16	220.91	69.96	150.95	120.09	30.86	1
0.15	221.84	70.31	151.53	120.61	30.92	1
0.14	222.78	70.66	152.12	121.13	30.98	1
0.13	223.71	71.01	152.70	121.66	31.05	1
0.12	224.65	71.36	153.28	122.18	31.11	1
0.12	225.58	71.72	153.87	122.70	31.17	1
0.11	226.51	72.07	154.45	123.22	31.23	1
0.10	227.45	72.42	155.03	123.74	31.29	1
0.09	228.38	72.78	155.60	124.26	31.35	1
0.08	229.31	73.13	156.18	124.78	31.40	1
0.07	230.24	73.49	156.76	125.29	31.46	1
0.07	231.18	73.84	157.33	125.81	31.52	1
0.06	232.11	74.20	157.91	126.33	31.57	1
0.05	233.04	74.56	158.48	126.85	31.63	1
0.04	233.97	74.92	159.05	127.36	31.69	1
0.03	234.90	75.28	159.62	127.88	31.74	1
0.02	235.82	75.64	160.19	128.40	31.79	1
0.02	236.75	76.00	160.76	128.91	31.85	1
0.01	237.68	76.36	161.32	129.43	31.90	1
0.00	238.61	76.72	161.89	129.94	31.95	1

Time = 180. Degree of Consolidation = 97.0%

Total Settlement = 4.733

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 180. = 4.679

Settlement caused by Secondary Compression at time 180. = 0.000

b420.pso

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.52

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.25	0.97	6.25	1.75	1.75	1
6.97	2.24	0.96	6.25	1.75	1.75	1
6.94	2.22	0.96	6.25	1.75	1.75	1
6.91	2.21	0.95	6.25	1.75	1.75	1
6.89	2.20	0.95	6.25	1.75	1.75	1
6.86	2.19	0.95	6.25	1.75	1.75	1
6.83	2.18	0.94	6.25	1.75	1.75	1
6.80	2.17	0.94	6.25	1.75	1.75	1
6.77	2.16	0.93	6.25	1.75	1.75	1
6.74	2.15	0.93	6.25	1.75	1.75	1
6.71	2.14	0.93	6.25	1.75	1.75	1
6.69	2.13	0.92	6.25	1.75	1.75	1
6.66	2.12	0.92	6.25	1.75	1.75	1
6.63	2.11	0.91	6.25	1.75	1.75	1
6.60	2.09	0.91	6.25	1.75	1.75	1
6.57	2.08	0.91	6.25	1.75	1.75	1
6.54	2.07	0.90	6.25	1.75	1.75	1
6.51	2.06	0.90	6.25	1.75	1.75	1
6.49	2.05	0.89	6.25	1.74	1.74	1
6.46	2.04	0.89	6.25	1.73	1.73	1
6.43	2.03	0.89	6.25	1.72	1.72	1
6.40	2.02	0.88	6.25	1.71	1.71	1
6.37	2.01	0.88	6.25	1.70	1.70	1
6.34	2.00	0.87	6.25	1.69	1.69	1
6.31	1.99	0.87	6.25	1.68	1.68	1
6.29	1.98	0.87	6.25	1.67	1.67	1
6.26	1.97	0.86	6.25	1.66	1.66	1
6.23	1.96	0.86	6.25	1.65	1.65	1
6.20	1.94	0.86	6.25	1.64	1.64	1
6.17	1.93	0.85	6.25	1.63	1.63	1
6.14	1.92	0.85	6.25	1.63	1.62	1
6.11	1.91	0.84	6.25	1.62	1.61	1
6.09	1.90	0.84	6.25	1.61	1.60	1
6.06	1.89	0.84	6.25	1.60	1.59	1
6.03	1.88	0.83	6.25	1.59	1.58	1
6.00	1.87	0.83	6.25	1.59	1.57	1
6.00	1.87	0.83	6.25	1.59	1.57	1
5.93	1.85	0.82	6.25	1.57	1.55	1
5.86	1.82	0.81	6.25	1.55	1.52	1
5.79	1.80	0.80	6.25	1.53	1.50	1
5.71	1.77	0.79	6.25	1.52	1.49	1
5.64	1.75	0.78	6.25	1.50	1.48	1
5.57	1.72	0.77	6.25	1.49	1.47	1
5.50	1.70	0.76	6.25	1.48	1.46	1
5.43	1.67	0.75	6.25	1.46	1.44	1
5.36	1.65	0.74	6.25	1.45	1.43	1
5.29	1.63	0.73	6.25	1.44	1.42	1
5.21	1.60	0.72	6.25	1.43	1.41	1
5.14	1.58	0.71	6.25	1.42	1.40	1

5.07	1.55	0.70	b420.pso	6.25	1.41	1.39	1
5.00	1.53	0.69		6.25	1.40	1.38	1
4.93	1.51	0.68		6.25	1.39	1.37	1
4.86	1.48	0.67		6.25	1.39	1.35	1
4.79	1.46	0.66		6.25	1.38	1.34	1
4.71	1.44	0.65		6.25	1.37	1.33	1
4.64	1.41	0.64		6.25	1.36	1.32	1
4.57	1.39	0.63		6.25	1.36	1.31	1
4.50	1.37	0.62		6.25	1.35	1.30	1
4.43	1.34	0.61		6.25	1.34	1.29	1
4.36	1.32	0.60		6.25	1.34	1.28	1
4.29	1.30	0.59		6.25	1.33	1.27	1
4.21	1.27	0.58		6.25	1.33	1.25	1
4.14	1.25	0.57		6.25	1.32	1.24	1
4.07	1.23	0.56		6.25	1.31	1.23	1
4.00	1.21	0.55		6.25	1.31	1.23	1
3.93	1.18	0.54		6.25	1.30	1.22	1
3.86	1.16	0.53		6.25	1.30	1.21	1
3.79	1.14	0.52		6.25	1.29	1.21	1
3.71	1.12	0.51		6.25	1.29	1.20	1
3.64	1.09	0.50		6.25	1.28	1.20	1
3.57	1.07	0.49		6.25	1.28	1.19	1
3.50	1.05	0.48		6.25	1.27	1.19	1
3.50	1.05	0.48		6.25	1.27	1.19	1
3.43	1.03	0.47		6.25	1.27	1.18	1
3.36	1.00	0.46		6.25	1.27	1.18	1
3.29	0.98	0.45		6.25	1.26	1.17	1
3.21	0.96	0.44		6.25	1.26	1.17	1
3.14	0.94	0.43		6.25	1.25	1.16	1
3.07	0.91	0.42		6.25	1.25	1.16	1
3.00	0.89	0.41		6.25	1.24	1.15	1
2.93	0.87	0.40		6.25	1.24	1.15	1
2.86	0.85	0.39		6.25	1.24	1.14	1
2.79	0.83	0.38		6.25	1.23	1.13	1
2.71	0.80	0.37		6.25	1.23	1.13	1
2.64	0.78	0.36		6.25	1.22	1.12	1
2.57	0.76	0.35		6.25	1.22	1.12	1
2.50	0.74	0.34		6.25	1.21	1.11	1
2.43	0.72	0.33		6.25	1.21	1.11	1
2.36	0.69	0.33		6.25	1.21	1.10	1
2.29	0.67	0.32		6.25	1.20	1.10	1
2.21	0.65	0.31		6.25	1.20	1.09	1
2.14	0.63	0.30		6.25	1.19	1.09	1
2.07	0.61	0.29		6.25	1.19	1.08	1
2.00	0.59	0.28		6.25	1.19	1.08	1
1.93	0.57	0.27		6.25	1.18	1.07	1
1.86	0.54	0.26		6.25	1.18	1.06	1
1.79	0.52	0.25		6.25	1.17	1.06	1
1.71	0.50	0.24		6.25	1.17	1.05	1
1.64	0.48	0.23		6.25	1.17	1.05	1
1.57	0.46	0.22		6.25	1.16	1.04	1
1.50	0.44	0.21		6.25	1.16	1.04	1
1.43	0.42	0.20		6.25	1.15	1.03	1
1.36	0.39	0.19		6.25	1.15	1.03	1
1.29	0.37	0.18		6.25	1.14	1.02	1
1.21	0.35	0.17		6.25	1.14	1.02	1
1.14	0.33	0.16		6.25	1.14	1.01	1
1.07	0.31	0.15		6.25	1.13	1.01	1
1.00	0.29	0.14		6.25	1.13	1.00	1
1.00	0.29	0.14		6.25	1.13	1.00	1
0.97	0.28	0.13		6.25	1.13	1.00	1
0.94	0.27	0.13		6.25	1.12	1.00	1
0.91	0.26	0.13		6.25	1.12	0.99	1

b420.pso						
0.89	0.26	0.12	6.25	1.12	0.99	1
0.86	0.25	0.12	6.25	1.12	0.99	1
0.83	0.24	0.11	6.25	1.12	0.99	1
0.80	0.23	0.11	6.25	1.12	0.99	1
0.77	0.22	0.11	6.25	1.11	0.98	1
0.74	0.21	0.10	6.25	1.11	0.98	1
0.71	0.21	0.10	6.25	1.11	0.98	1
0.69	0.20	0.09	6.25	1.11	0.98	1
0.66	0.19	0.09	6.25	1.11	0.97	1
0.63	0.18	0.09	6.25	1.11	0.97	1
0.60	0.17	0.08	6.25	1.10	0.97	1
0.57	0.16	0.08	6.25	1.10	0.97	1
0.54	0.16	0.07	6.25	1.10	0.97	1
0.51	0.15	0.07	6.25	1.10	0.97	1
0.49	0.14	0.07	6.25	1.10	0.97	1
0.46	0.13	0.06	6.25	1.09	0.96	1
0.43	0.12	0.06	6.25	1.09	0.96	1
0.40	0.11	0.06	6.25	1.09	0.96	1
0.37	0.11	0.05	6.25	1.09	0.96	1
0.34	0.10	0.05	6.25	1.09	0.96	1
0.31	0.09	0.04	6.25	1.09	0.96	1
0.29	0.08	0.04	6.25	1.08	0.96	1
0.26	0.07	0.04	6.25	1.08	0.96	1
0.23	0.07	0.03	6.25	1.08	0.96	1
0.20	0.06	0.03	6.25	1.08	0.95	1
0.17	0.05	0.02	6.25	1.08	0.95	1
0.14	0.04	0.02	6.25	1.08	0.95	1
0.11	0.03	0.02	6.25	1.07	0.95	1
0.09	0.02	0.01	6.25	1.07	0.95	1
0.06	0.02	0.01	6.25	1.07	0.95	1
0.03	0.01	0.00	6.25	1.07	0.95	1
0.00	0.00	0.00	6.25	1.07	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.25	0.00	0.00	0.00	0.00	0.00	1
2.24	0.84	0.84	0.00	0.00	0.00	1
2.22	1.69	1.69	0.00	0.00	0.00	1
2.21	2.53	2.53	0.00	0.00	0.00	1
2.20	3.38	3.38	0.00	0.00	0.00	1
2.19	4.22	4.22	0.00	0.00	0.00	1
2.18	5.06	5.06	0.00	0.00	0.00	1
2.17	5.91	5.91	0.00	0.00	0.00	1
2.16	6.75	6.75	0.00	0.00	0.00	1
2.15	7.60	7.60	0.00	0.00	0.00	1
2.14	8.44	8.44	0.00	0.00	0.00	1
2.13	9.28	9.28	0.00	0.00	0.00	1
2.12	10.13	10.13	0.00	0.00	0.00	1
2.11	10.97	10.97	0.00	0.00	0.00	1
2.09	11.82	11.82	0.00	0.00	0.00	1
2.08	12.66	12.66	0.00	0.00	0.00	1
2.07	13.51	13.51	0.00	0.00	0.00	1
2.06	14.47	14.47	0.00	0.00	0.00	1
2.05	15.56	14.89	0.67	0.67	0.00	1
2.04	16.65	15.30	1.35	1.35	0.00	1
2.03	17.73	15.71	2.01	2.01	0.00	1
2.02	18.81	16.13	2.68	2.68	0.00	1
2.01	19.89	16.54	3.35	3.35	0.00	1
2.00	20.96	16.95	4.01	4.01	0.00	1
1.99	22.03	17.36	4.67	4.67	0.00	1
1.98	23.10	17.77	5.34	5.33	0.01	1

b420.pso

1.97	24.17	18.16	6.02	5.98	0.03	1
1.96	25.24	18.54	6.70	6.63	0.07	1
1.94	26.30	18.91	7.39	7.28	0.11	1
1.93	27.36	19.27	8.09	7.93	0.16	1
1.92	28.42	19.63	8.80	8.58	0.22	1
1.91	29.48	19.97	9.51	9.22	0.28	1
1.90	30.54	20.31	10.23	9.87	0.36	1
1.89	31.59	20.64	10.95	10.51	0.44	1
1.88	32.64	20.96	11.68	11.15	0.54	1
1.87	33.69	21.28	12.42	11.78	0.63	1
1.87	33.69	21.28	12.42	11.78	0.63	1
1.85	36.31	22.06	14.25	13.37	0.88	1
1.82	38.92	22.81	16.11	14.94	1.17	1
1.80	41.51	23.51	18.00	16.51	1.50	1
1.77	44.10	24.19	19.91	18.06	1.86	1
1.75	46.68	24.83	21.85	19.60	2.25	1
1.72	49.24	25.94	23.30	21.14	2.17	1
1.70	51.80	27.18	24.63	22.66	1.96	1
1.67	54.36	28.34	26.02	24.18	1.83	1
1.65	56.90	29.43	27.47	25.69	1.77	1
1.63	59.44	30.46	28.98	27.20	1.78	1
1.60	61.97	31.43	30.53	28.70	1.84	1
1.58	64.49	32.36	32.13	30.19	1.95	1
1.55	67.01	33.23	33.78	31.67	2.11	1
1.53	69.52	34.06	35.46	33.15	2.31	1
1.51	72.03	34.85	37.17	34.63	2.55	1
1.48	74.53	35.61	38.92	36.09	2.83	1
1.46	77.03	36.33	40.70	37.56	3.14	1
1.44	79.52	37.02	42.50	39.02	3.48	1
1.41	82.01	37.69	44.32	40.47	3.85	1
1.39	84.49	38.32	46.17	41.92	4.24	1
1.37	86.97	38.94	48.03	43.37	4.66	1
1.34	89.44	39.53	49.92	44.81	5.10	1
1.32	91.92	40.10	51.82	46.25	5.57	1
1.30	94.38	40.65	53.73	47.69	6.05	1
1.27	96.85	41.19	55.66	49.12	6.54	1
1.25	99.31	41.71	57.60	50.54	7.06	1
1.23	101.77	42.21	59.55	51.97	7.58	1
1.21	104.22	42.70	61.51	53.39	8.12	1
1.18	106.67	43.18	63.49	54.81	8.68	1
1.16	109.12	43.65	65.47	56.22	9.24	1
1.14	111.56	44.11	67.45	57.63	9.82	1
1.12	114.00	44.56	69.45	59.04	10.40	1
1.09	116.44	45.00	71.44	60.45	11.00	1
1.07	118.88	45.43	73.45	61.85	11.60	1
1.05	121.31	45.85	75.46	63.25	12.21	1
1.05	121.31	45.85	75.46	63.25	12.21	1
1.03	123.74	46.28	77.46	64.65	12.82	1
1.00	126.17	46.69	79.47	66.04	13.43	1
0.98	128.59	47.11	81.49	67.43	14.05	1
0.96	131.01	47.51	83.50	68.82	14.68	1
0.94	133.43	47.92	85.52	70.21	15.31	1
0.91	135.85	48.32	87.53	71.59	15.94	1
0.89	138.26	48.71	89.55	72.97	16.58	1
0.87	140.67	49.10	91.57	74.35	17.22	1
0.85	143.08	49.49	93.59	75.73	17.86	1
0.83	145.49	49.88	95.61	77.10	18.51	1
0.80	147.89	50.56	97.33	78.47	18.86	1
0.78	150.29	51.36	98.93	79.84	19.10	1
0.76	152.69	52.15	100.53	81.20	19.33	1
0.74	155.08	52.95	102.13	82.57	19.57	1
0.72	157.48	53.75	103.73	83.93	19.80	1
0.69	159.87	54.54	105.33	85.28	20.04	1

			b420.pso			
0.67	162.26	55.34	106.92	86.64	20.28	1
0.65	164.64	56.13	108.51	87.99	20.52	1
0.63	167.02	56.92	110.10	89.34	20.76	1
0.61	169.41	57.72	111.69	90.69	21.00	1
0.59	171.78	58.51	113.27	92.03	21.24	1
0.57	174.16	59.30	114.86	93.38	21.48	1
0.54	176.53	60.10	116.43	94.72	21.72	1
0.52	178.90	60.89	118.01	96.05	21.95	1
0.50	181.27	61.69	119.58	97.39	22.19	1
0.48	183.63	62.49	121.15	98.72	22.43	1
0.46	186.00	63.28	122.71	100.05	22.66	1
0.44	188.36	64.09	124.27	101.38	22.89	1
0.42	190.71	64.89	125.83	102.70	23.12	1
0.39	193.07	65.69	127.38	104.03	23.35	1
0.37	195.42	66.50	128.93	105.35	23.58	1
0.35	197.77	67.30	130.47	106.66	23.81	1
0.33	200.12	68.11	132.01	107.98	24.03	1
0.31	202.46	68.92	133.54	109.29	24.25	1
0.29	204.81	69.74	135.07	110.60	24.47	1
0.29	204.81	69.74	135.07	110.60	24.47	1
0.28	205.74	70.06	135.68	111.12	24.56	1
0.27	206.68	70.39	136.29	111.64	24.65	1
0.26	207.61	70.71	136.90	112.16	24.73	1
0.26	208.55	71.04	137.51	112.69	24.82	1
0.25	209.48	71.37	138.11	113.21	24.91	1
0.24	210.42	71.70	138.72	113.73	24.99	1
0.23	211.35	72.02	139.33	114.25	25.08	1
0.22	212.28	72.35	139.93	114.77	25.16	1
0.21	213.21	72.68	140.54	115.29	25.25	1
0.21	214.15	73.01	141.14	115.81	25.33	1
0.20	215.08	73.34	141.74	116.33	25.41	1
0.19	216.01	73.67	142.34	116.84	25.50	1
0.18	216.94	74.00	142.94	117.36	25.58	1
0.17	217.87	74.33	143.54	117.88	25.66	1
0.16	218.80	74.66	144.14	118.40	25.75	1
0.16	219.73	74.99	144.74	118.91	25.83	1
0.15	220.66	75.32	145.34	119.43	25.91	1
0.14	221.59	75.66	145.93	119.95	25.99	1
0.13	222.52	75.99	146.53	120.46	26.07	1
0.12	223.45	76.32	147.13	120.98	26.15	1
0.11	224.37	76.66	147.72	121.49	26.23	1
0.11	225.30	76.99	148.31	122.00	26.31	1
0.10	226.23	77.32	148.90	122.52	26.39	1
0.09	227.15	77.66	149.50	123.03	26.46	1
0.08	228.08	78.00	150.09	123.54	26.54	1
0.07	229.01	78.33	150.68	124.06	26.62	1
0.07	229.93	78.67	151.26	124.57	26.69	1
0.06	230.86	79.00	151.85	125.08	26.77	1
0.05	231.78	79.34	152.44	125.59	26.85	1
0.04	232.70	79.68	153.02	126.10	26.92	1
0.03	233.63	80.02	153.61	126.61	27.00	1
0.02	234.55	80.36	154.19	127.12	27.07	1
0.02	235.47	80.70	154.78	127.63	27.14	1
0.01	236.39	81.04	155.36	128.14	27.22	1
0.00	237.32	81.38	155.94	128.65	27.29	1

Time = 210. Degree of Consolidation = 97.0%

Total Settlement = 4.754

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 210. = 4.700

b420.pso

Settlement caused by Secondary Compression at time 210. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.50

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.23	0.97	6.25	1.75	1.75	1
6.97	2.22	0.96	6.25	1.75	1.75	1
6.94	2.21	0.96	6.25	1.75	1.75	1
6.91	2.20	0.95	6.25	1.75	1.75	1
6.89	2.19	0.95	6.25	1.75	1.75	1
6.86	2.18	0.95	6.25	1.75	1.75	1
6.83	2.16	0.94	6.25	1.75	1.75	1
6.80	2.15	0.94	6.25	1.75	1.75	1
6.77	2.14	0.93	6.25	1.75	1.75	1
6.74	2.13	0.93	6.25	1.75	1.75	1
6.71	2.12	0.93	6.25	1.75	1.75	1
6.69	2.11	0.92	6.25	1.75	1.75	1
6.66	2.10	0.92	6.25	1.75	1.75	1
6.63	2.09	0.91	6.25	1.75	1.75	1
6.60	2.08	0.91	6.25	1.75	1.75	1
6.57	2.07	0.91	6.25	1.75	1.75	1
6.54	2.06	0.90	6.25	1.75	1.75	1
6.51	2.05	0.90	6.25	1.75	1.75	1
6.49	2.03	0.89	6.25	1.74	1.74	1
6.46	2.02	0.89	6.25	1.73	1.73	1
6.43	2.01	0.89	6.25	1.72	1.72	1
6.40	2.00	0.88	6.25	1.71	1.71	1
6.37	1.99	0.88	6.25	1.70	1.70	1
6.34	1.98	0.87	6.25	1.69	1.69	1
6.31	1.97	0.87	6.25	1.68	1.68	1
6.29	1.96	0.87	6.25	1.67	1.67	1
6.26	1.95	0.86	6.25	1.66	1.66	1
6.23	1.94	0.86	6.25	1.65	1.65	1
6.20	1.93	0.86	6.25	1.64	1.64	1
6.17	1.92	0.85	6.25	1.63	1.63	1
6.14	1.91	0.85	6.25	1.62	1.62	1
6.11	1.90	0.84	6.25	1.61	1.61	1
6.09	1.89	0.84	6.25	1.61	1.60	1
6.06	1.88	0.84	6.25	1.60	1.59	1
6.03	1.87	0.83	6.25	1.59	1.58	1
6.00	1.86	0.83	6.25	1.58	1.57	1
6.00	1.86	0.83	6.25	1.58	1.57	1
5.93	1.83	0.82	6.25	1.56	1.55	1
5.86	1.81	0.81	6.25	1.55	1.52	1
5.79	1.78	0.80	6.25	1.53	1.50	1
5.71	1.76	0.79	6.25	1.51	1.49	1
5.64	1.73	0.78	6.25	1.50	1.48	1
5.57	1.71	0.77	6.25	1.48	1.47	1
5.50	1.68	0.76	6.25	1.47	1.46	1
5.43	1.66	0.75	6.25	1.45	1.44	1
5.36	1.63	0.74	6.25	1.44	1.43	1

b420.pso

5.29	1.61	0.73	6.25	1.43	1.42	1
5.21	1.59	0.72	6.25	1.42	1.41	1
5.14	1.56	0.71	6.25	1.41	1.40	1
5.07	1.54	0.70	6.25	1.40	1.39	1
5.00	1.52	0.69	6.25	1.39	1.38	1
4.93	1.49	0.68	6.25	1.38	1.37	1
4.86	1.47	0.67	6.25	1.37	1.35	1
4.79	1.45	0.66	6.25	1.36	1.34	1
4.71	1.42	0.65	6.25	1.35	1.33	1
4.64	1.40	0.64	6.25	1.35	1.32	1
4.57	1.38	0.63	6.25	1.34	1.31	1
4.50	1.35	0.62	6.25	1.33	1.30	1
4.43	1.33	0.61	6.25	1.33	1.29	1
4.36	1.31	0.60	6.25	1.32	1.28	1
4.29	1.28	0.59	6.25	1.31	1.27	1
4.21	1.26	0.58	6.25	1.31	1.25	1
4.14	1.24	0.57	6.25	1.30	1.24	1
4.07	1.22	0.56	6.25	1.30	1.23	1
4.00	1.19	0.55	6.25	1.29	1.23	1
3.93	1.17	0.54	6.25	1.28	1.22	1
3.86	1.15	0.53	6.25	1.28	1.21	1
3.79	1.13	0.52	6.25	1.27	1.21	1
3.71	1.10	0.51	6.25	1.27	1.20	1
3.64	1.08	0.50	6.25	1.26	1.20	1
3.57	1.06	0.49	6.25	1.26	1.19	1
3.50	1.04	0.48	6.25	1.25	1.19	1
3.50	1.04	0.48	6.25	1.25	1.19	1
3.43	1.01	0.47	6.25	1.25	1.18	1
3.36	0.99	0.46	6.25	1.24	1.18	1
3.29	0.97	0.45	6.25	1.24	1.17	1
3.21	0.95	0.44	6.25	1.24	1.17	1
3.14	0.93	0.43	6.25	1.23	1.16	1
3.07	0.90	0.42	6.25	1.23	1.16	1
3.00	0.88	0.41	6.25	1.22	1.15	1
2.93	0.86	0.40	6.25	1.22	1.15	1
2.86	0.84	0.39	6.25	1.21	1.14	1
2.79	0.82	0.38	6.25	1.21	1.13	1
2.71	0.80	0.37	6.25	1.20	1.13	1
2.64	0.77	0.36	6.25	1.20	1.12	1
2.57	0.75	0.35	6.25	1.20	1.12	1
2.50	0.73	0.34	6.25	1.19	1.11	1
2.43	0.71	0.33	6.25	1.19	1.11	1
2.36	0.69	0.33	6.25	1.18	1.10	1
2.29	0.67	0.32	6.25	1.18	1.10	1
2.21	0.64	0.31	6.25	1.17	1.09	1
2.14	0.62	0.30	6.25	1.17	1.09	1
2.07	0.60	0.29	6.25	1.17	1.08	1
2.00	0.58	0.28	6.25	1.16	1.08	1
1.93	0.56	0.27	6.25	1.16	1.07	1
1.86	0.54	0.26	6.25	1.15	1.06	1
1.79	0.52	0.25	6.25	1.15	1.06	1
1.71	0.50	0.24	6.25	1.15	1.05	1
1.64	0.47	0.23	6.25	1.14	1.05	1
1.57	0.45	0.22	6.25	1.14	1.04	1
1.50	0.43	0.21	6.25	1.13	1.04	1
1.43	0.41	0.20	6.25	1.13	1.03	1
1.36	0.39	0.19	6.25	1.13	1.03	1
1.29	0.37	0.18	6.25	1.12	1.02	1
1.21	0.35	0.17	6.25	1.12	1.02	1
1.14	0.33	0.16	6.25	1.11	1.01	1
1.07	0.31	0.15	6.25	1.11	1.01	1
1.00	0.29	0.14	6.25	1.10	1.00	1
1.00	0.29	0.14	6.25	1.10	1.00	1

b420.pso						
0.97	0.28	0.13	6.25	1.10	1.00	1
0.94	0.27	0.13	6.25	1.10	1.00	1
0.91	0.26	0.13	6.25	1.10	0.99	1
0.89	0.25	0.12	6.25	1.10	0.99	1
0.86	0.24	0.12	6.25	1.10	0.99	1
0.83	0.24	0.11	6.25	1.09	0.99	1
0.80	0.23	0.11	6.25	1.09	0.99	1
0.77	0.22	0.11	6.25	1.09	0.98	1
0.74	0.21	0.10	6.25	1.09	0.98	1
0.71	0.20	0.10	6.25	1.09	0.98	1
0.69	0.20	0.09	6.25	1.09	0.98	1
0.66	0.19	0.09	6.25	1.08	0.97	1
0.63	0.18	0.09	6.25	1.08	0.97	1
0.60	0.17	0.08	6.25	1.08	0.97	1
0.57	0.16	0.08	6.25	1.08	0.97	1
0.54	0.15	0.07	6.25	1.08	0.97	1
0.51	0.15	0.07	6.25	1.08	0.97	1
0.49	0.14	0.07	6.25	1.07	0.97	1
0.46	0.13	0.06	6.25	1.07	0.96	1
0.43	0.12	0.06	6.25	1.07	0.96	1
0.40	0.11	0.06	6.25	1.07	0.96	1
0.37	0.11	0.05	6.25	1.07	0.96	1
0.34	0.10	0.05	6.25	1.07	0.96	1
0.31	0.09	0.04	6.25	1.06	0.96	1
0.29	0.08	0.04	6.25	1.06	0.96	1
0.26	0.07	0.04	6.25	1.06	0.96	1
0.23	0.06	0.03	6.25	1.06	0.96	1
0.20	0.06	0.03	6.25	1.06	0.95	1
0.17	0.05	0.02	6.25	1.06	0.95	1
0.14	0.04	0.02	6.25	1.05	0.95	1
0.11	0.03	0.02	6.25	1.05	0.95	1
0.09	0.02	0.01	6.25	1.05	0.95	1
0.06	0.02	0.01	6.25	1.05	0.95	1
0.03	0.01	0.00	6.25	1.05	0.95	1
0.00	0.00	0.00	6.25	1.05	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.23	0.00	0.00	0.00	0.00	0.00	1
2.22	0.84	0.84	0.00	0.00	0.00	1
2.21	1.69	1.69	0.00	0.00	0.00	1
2.20	2.53	2.53	0.00	0.00	0.00	1
2.19	3.38	3.38	0.00	0.00	0.00	1
2.18	4.22	4.22	0.00	0.00	0.00	1
2.16	5.06	5.06	0.00	0.00	0.00	1
2.15	5.91	5.91	0.00	0.00	0.00	1
2.14	6.75	6.75	0.00	0.00	0.00	1
2.13	7.60	7.60	0.00	0.00	0.00	1
2.12	8.44	8.44	0.00	0.00	0.00	1
2.11	9.28	9.28	0.00	0.00	0.00	1
2.10	10.13	10.13	0.00	0.00	0.00	1
2.09	10.97	10.97	0.00	0.00	0.00	1
2.08	11.82	11.82	0.00	0.00	0.00	1
2.07	12.66	12.66	0.00	0.00	0.00	1
2.06	13.51	13.51	0.00	0.00	0.00	1
2.05	14.47	14.47	0.00	0.00	0.00	1
2.03	15.56	14.89	0.67	0.67	0.00	1
2.02	16.65	15.30	1.35	1.35	0.00	1
2.01	17.73	15.71	2.01	2.01	0.00	1
2.00	18.81	16.13	2.68	2.68	0.00	1
1.99	19.89	16.54	3.35	3.35	0.00	1

b420.pso						
1.98	20.96	16.95	4.01	4.01	0.00	1
1.97	22.03	17.37	4.67	4.67	0.00	1
1.96	23.10	17.78	5.33	5.33	0.00	1
1.95	24.17	18.19	5.99	5.98	0.00	1
1.94	25.24	18.59	6.65	6.63	0.02	1
1.93	26.30	18.97	7.33	7.28	0.04	1
1.92	27.36	19.35	8.01	7.93	0.08	1
1.91	28.42	19.72	8.70	8.58	0.12	1
1.90	29.48	20.09	9.39	9.22	0.17	1
1.89	30.53	20.44	10.09	9.86	0.23	1
1.88	31.59	20.79	10.80	10.50	0.30	1
1.87	32.64	21.12	11.52	11.14	0.37	1
1.86	33.69	21.45	12.23	11.78	0.46	1
1.86	33.69	21.45	12.23	11.78	0.46	1
1.83	36.30	22.28	14.02	13.36	0.66	1
1.81	38.91	23.06	15.84	14.93	0.91	1
1.78	41.50	23.81	17.69	16.49	1.20	1
1.76	44.08	24.52	19.56	18.04	1.52	1
1.73	46.65	25.43	21.22	19.58	1.65	1
1.71	49.21	26.81	22.40	21.11	1.30	1
1.68	51.77	28.11	23.66	22.63	1.03	1
1.66	54.31	29.32	24.99	24.14	0.85	1
1.63	56.85	30.47	26.38	25.64	0.73	1
1.61	59.38	31.56	27.82	27.14	0.68	1
1.59	61.90	32.58	29.32	28.63	0.69	1
1.56	64.42	33.55	30.87	30.11	0.75	1
1.54	66.93	34.47	32.46	31.59	0.87	1
1.52	69.43	35.35	34.09	33.06	1.02	1
1.49	71.93	36.18	35.75	34.53	1.22	1
1.47	74.42	36.98	37.44	35.99	1.46	1
1.45	76.91	37.74	39.17	37.44	1.73	1
1.42	79.39	38.47	40.92	38.89	2.03	1
1.40	81.87	39.17	42.70	40.34	2.36	1
1.38	84.35	39.84	44.50	41.78	2.72	1
1.35	86.81	40.49	46.32	43.22	3.11	1
1.33	89.28	41.11	48.16	44.65	3.52	1
1.31	91.74	41.72	50.02	46.07	3.95	1
1.28	94.20	42.30	51.90	47.50	4.40	1
1.26	96.65	42.87	53.78	48.92	4.86	1
1.24	99.10	43.41	55.69	50.34	5.35	1
1.22	101.54	43.95	57.60	51.75	5.85	1
1.19	103.99	44.46	59.52	53.16	6.37	1
1.17	106.43	44.97	61.46	54.56	6.89	1
1.15	108.86	45.46	63.40	55.97	7.43	1
1.13	111.29	45.94	65.35	57.37	7.99	1
1.10	113.72	46.41	67.31	58.76	8.55	1
1.08	116.15	46.87	69.28	60.16	9.12	1
1.06	118.57	47.33	71.25	61.55	9.70	1
1.04	120.99	47.77	73.22	62.93	10.29	1
1.04	120.99	47.77	73.22	62.93	10.29	1
1.01	123.41	48.21	75.19	64.32	10.88	1
0.99	125.82	48.65	77.17	65.70	11.47	1
0.97	128.23	49.08	79.15	67.08	12.07	1
0.95	130.64	49.51	81.13	68.45	12.68	1
0.93	133.05	49.93	83.12	69.83	13.29	1
0.90	135.45	50.72	84.73	71.20	13.53	1
0.88	137.85	51.58	86.27	72.56	13.71	1
0.86	140.25	52.43	87.82	73.93	13.89	1
0.84	142.64	53.28	89.37	75.29	14.08	1
0.82	145.04	54.12	90.92	76.65	14.27	1
0.80	147.42	54.95	92.48	78.01	14.47	1
0.77	149.81	55.78	94.04	79.36	14.68	1
0.75	152.20	56.60	95.60	80.71	14.89	1

			b420.pso			
0.73	154.58	57.42	97.16	82.06	15.10	1
0.71	156.96	58.23	98.73	83.40	15.32	1
0.69	159.33	59.04	100.29	84.75	15.54	1
0.67	161.71	59.85	101.86	86.09	15.77	1
0.64	164.08	60.65	103.42	87.43	16.00	1
0.62	166.44	61.45	104.99	88.76	16.23	1
0.60	168.81	62.25	106.56	90.10	16.46	1
0.58	171.17	63.05	108.12	91.43	16.70	1
0.56	173.54	63.85	109.69	92.75	16.94	1
0.54	175.89	64.64	111.25	94.08	17.17	1
0.52	178.25	65.43	112.82	95.40	17.42	1
0.50	180.60	66.22	114.38	96.72	17.66	1
0.47	182.95	67.01	115.94	98.04	17.90	1
0.45	185.30	67.80	117.50	99.36	18.14	1
0.43	187.65	68.59	119.06	100.67	18.39	1
0.41	189.99	69.38	120.61	101.98	18.63	1
0.39	192.33	70.17	122.16	103.29	18.88	1
0.37	194.67	70.96	123.71	104.59	19.12	1
0.35	197.00	71.75	125.26	105.89	19.36	1
0.33	199.34	72.53	126.80	107.19	19.61	1
0.31	201.67	73.32	128.34	108.49	19.85	1
0.29	204.00	74.11	129.88	109.79	20.09	1
0.29	204.00	74.11	129.88	109.79	20.09	1
0.28	204.93	74.43	130.49	110.30	20.19	1
0.27	205.86	74.75	131.11	110.82	20.29	1
0.26	206.79	75.06	131.72	111.34	20.38	1
0.25	207.71	75.38	132.33	111.85	20.48	1
0.24	208.64	75.70	132.95	112.37	20.58	1
0.24	209.57	76.01	133.56	112.89	20.67	1
0.23	210.50	76.33	134.17	113.40	20.77	1
0.22	211.43	76.65	134.78	113.91	20.87	1
0.21	212.35	76.97	135.39	114.43	20.96	1
0.20	213.28	77.28	136.00	114.94	21.06	1
0.20	214.21	77.60	136.61	115.46	21.15	1
0.19	215.13	77.92	137.22	115.97	21.25	1
0.18	216.06	78.24	137.82	116.48	21.34	1
0.17	216.99	78.55	138.43	116.99	21.44	1
0.16	217.91	78.87	139.04	117.51	21.53	1
0.15	218.83	79.19	139.64	118.02	21.63	1
0.15	219.76	79.51	140.25	118.53	21.72	1
0.14	220.68	79.83	140.85	119.04	21.81	1
0.13	221.60	80.15	141.45	119.55	21.91	1
0.12	222.53	80.47	142.06	120.06	22.00	1
0.11	223.45	80.79	142.66	120.57	22.09	1
0.11	224.37	81.11	143.26	121.08	22.19	1
0.10	225.29	81.43	143.86	121.58	22.28	1
0.09	226.21	81.75	144.46	122.09	22.37	1
0.08	227.14	82.07	145.06	122.60	22.46	1
0.07	228.06	82.40	145.66	123.11	22.55	1
0.06	228.98	82.72	146.26	123.61	22.65	1
0.06	229.89	83.04	146.86	124.12	22.74	1
0.05	230.81	83.36	147.45	124.63	22.83	1
0.04	231.73	83.68	148.05	125.13	22.92	1
0.03	232.65	84.01	148.64	125.64	23.01	1
0.02	233.57	84.33	149.24	126.14	23.10	1
0.02	234.49	84.65	149.83	126.64	23.19	1
0.01	235.40	84.98	150.42	127.15	23.28	1
0.00	236.32	85.30	151.02	127.65	23.36	1

Time = 240. Degree of Consolidation = 98.0%

Total Settlement = 4.770

b420.pso

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 240. = 4.716

Settlement caused by Secondary Compression at time 240. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.48

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.22	0.97	6.25	1.75	1.75	1
6.97	2.21	0.96	6.25	1.75	1.75	1
6.94	2.20	0.96	6.25	1.75	1.75	1
6.91	2.18	0.95	6.25	1.75	1.75	1
6.89	2.17	0.95	6.25	1.75	1.75	1
6.86	2.16	0.95	6.25	1.75	1.75	1
6.83	2.15	0.94	6.25	1.75	1.75	1
6.80	2.14	0.94	6.25	1.75	1.75	1
6.77	2.13	0.93	6.25	1.75	1.75	1
6.74	2.12	0.93	6.25	1.75	1.75	1
6.71	2.11	0.93	6.25	1.75	1.75	1
6.69	2.10	0.92	6.25	1.75	1.75	1
6.66	2.09	0.92	6.25	1.75	1.75	1
6.63	2.08	0.91	6.25	1.75	1.75	1
6.60	2.07	0.91	6.25	1.75	1.75	1
6.57	2.05	0.91	6.25	1.75	1.75	1
6.54	2.04	0.90	6.25	1.75	1.75	1
6.51	2.03	0.90	6.25	1.75	1.75	1
6.49	2.02	0.89	6.25	1.74	1.74	1
6.46	2.01	0.89	6.25	1.73	1.73	1
6.43	2.00	0.89	6.25	1.72	1.72	1
6.40	1.99	0.88	6.25	1.71	1.71	1
6.37	1.98	0.88	6.25	1.70	1.70	1
6.34	1.97	0.87	6.25	1.69	1.69	1
6.31	1.96	0.87	6.25	1.68	1.68	1
6.29	1.95	0.87	6.25	1.67	1.67	1
6.26	1.94	0.86	6.25	1.66	1.66	1
6.23	1.93	0.86	6.25	1.65	1.65	1
6.20	1.92	0.86	6.25	1.64	1.64	1
6.17	1.91	0.85	6.25	1.63	1.63	1
6.14	1.90	0.85	6.25	1.62	1.62	1
6.11	1.89	0.84	6.25	1.61	1.61	1
6.09	1.88	0.84	6.25	1.60	1.60	1
6.06	1.86	0.84	6.25	1.60	1.59	1
6.03	1.85	0.83	6.25	1.59	1.58	1
6.00	1.84	0.83	6.25	1.58	1.57	1
6.00	1.84	0.83	6.25	1.58	1.57	1
5.93	1.82	0.82	6.25	1.56	1.55	1
5.86	1.79	0.81	6.25	1.54	1.52	1
5.79	1.77	0.80	6.25	1.52	1.50	1
5.71	1.74	0.79	6.25	1.51	1.49	1
5.64	1.72	0.78	6.25	1.49	1.48	1
5.57	1.70	0.77	6.25	1.47	1.47	1

5.50	1.67	0.76	b420.pso	6.25	1.46	1.46	1
5.43	1.65	0.75		6.25	1.45	1.44	1
5.36	1.62	0.74		6.25	1.43	1.43	1
5.29	1.60	0.73		6.25	1.42	1.42	1
5.21	1.57	0.72		6.25	1.41	1.41	1
5.14	1.55	0.71		6.25	1.40	1.40	1
5.07	1.53	0.70		6.25	1.39	1.39	1
5.00	1.50	0.69		6.25	1.38	1.38	1
4.93	1.48	0.68		6.25	1.37	1.37	1
4.86	1.46	0.67		6.25	1.36	1.35	1
4.79	1.43	0.66		6.25	1.35	1.34	1
4.71	1.41	0.65		6.25	1.34	1.33	1
4.64	1.39	0.64		6.25	1.34	1.32	1
4.57	1.37	0.63		6.25	1.33	1.31	1
4.50	1.34	0.62		6.25	1.32	1.30	1
4.43	1.32	0.61		6.25	1.31	1.29	1
4.36	1.30	0.60		6.25	1.31	1.28	1
4.29	1.27	0.59		6.25	1.30	1.27	1
4.21	1.25	0.58		6.25	1.29	1.25	1
4.14	1.23	0.57		6.25	1.29	1.24	1
4.07	1.21	0.56		6.25	1.28	1.23	1
4.00	1.18	0.55		6.25	1.28	1.23	1
3.93	1.16	0.54		6.25	1.27	1.22	1
3.86	1.14	0.53		6.25	1.26	1.21	1
3.79	1.12	0.52		6.25	1.26	1.21	1
3.71	1.09	0.51		6.25	1.25	1.20	1
3.64	1.07	0.50		6.25	1.25	1.20	1
3.57	1.05	0.49		6.25	1.24	1.19	1
3.50	1.03	0.48		6.25	1.24	1.19	1
3.50	1.03	0.48		6.25	1.24	1.19	1
3.43	1.01	0.47		6.25	1.23	1.18	1
3.36	0.98	0.46		6.25	1.23	1.18	1
3.29	0.96	0.45		6.25	1.22	1.17	1
3.21	0.94	0.44		6.25	1.22	1.17	1
3.14	0.92	0.43		6.25	1.21	1.16	1
3.07	0.90	0.42		6.25	1.21	1.16	1
3.00	0.88	0.41		6.25	1.20	1.15	1
2.93	0.85	0.40		6.25	1.20	1.15	1
2.86	0.83	0.39		6.25	1.19	1.14	1
2.79	0.81	0.38		6.25	1.19	1.13	1
2.71	0.79	0.37		6.25	1.19	1.13	1
2.64	0.77	0.36		6.25	1.18	1.12	1
2.57	0.75	0.35		6.25	1.18	1.12	1
2.50	0.72	0.34		6.25	1.17	1.11	1
2.43	0.70	0.33		6.25	1.17	1.11	1
2.36	0.68	0.33		6.25	1.16	1.10	1
2.29	0.66	0.32		6.25	1.16	1.10	1
2.21	0.64	0.31		6.25	1.16	1.09	1
2.14	0.62	0.30		6.25	1.15	1.09	1
2.07	0.60	0.29		6.25	1.15	1.08	1
2.00	0.58	0.28		6.25	1.14	1.08	1
1.93	0.55	0.27		6.25	1.14	1.07	1
1.86	0.53	0.26		6.25	1.13	1.06	1
1.79	0.51	0.25		6.25	1.13	1.06	1
1.71	0.49	0.24		6.25	1.13	1.05	1
1.64	0.47	0.23		6.25	1.12	1.05	1
1.57	0.45	0.22		6.25	1.12	1.04	1
1.50	0.43	0.21		6.25	1.11	1.04	1
1.43	0.41	0.20		6.25	1.11	1.03	1
1.36	0.39	0.19		6.25	1.11	1.03	1
1.29	0.37	0.18		6.25	1.10	1.02	1
1.21	0.35	0.17		6.25	1.10	1.02	1
1.14	0.32	0.16		6.25	1.09	1.01	1

			b420.pso			
1.07	0.30	0.15	6.25	1.09	1.01	1
1.00	0.28	0.14	6.25	1.09	1.00	1
1.00	0.28	0.14	6.25	1.09	1.00	1
0.97	0.28	0.13	6.25	1.08	1.00	1
0.94	0.27	0.13	6.25	1.08	1.00	1
0.91	0.26	0.13	6.25	1.08	0.99	1
0.89	0.25	0.12	6.25	1.08	0.99	1
0.86	0.24	0.12	6.25	1.08	0.99	1
0.83	0.23	0.11	6.25	1.08	0.99	1
0.80	0.23	0.11	6.25	1.07	0.99	1
0.77	0.22	0.11	6.25	1.07	0.98	1
0.74	0.21	0.10	6.25	1.07	0.98	1
0.71	0.20	0.10	6.25	1.07	0.98	1
0.69	0.19	0.09	6.25	1.07	0.98	1
0.66	0.19	0.09	6.25	1.07	0.97	1
0.63	0.18	0.09	6.25	1.06	0.97	1
0.60	0.17	0.08	6.25	1.06	0.97	1
0.57	0.16	0.08	6.25	1.06	0.97	1
0.54	0.15	0.07	6.25	1.06	0.97	1
0.51	0.14	0.07	6.25	1.06	0.97	1
0.49	0.14	0.07	6.25	1.06	0.97	1
0.46	0.13	0.06	6.25	1.06	0.96	1
0.43	0.12	0.06	6.25	1.05	0.96	1
0.40	0.11	0.06	6.25	1.05	0.96	1
0.37	0.10	0.05	6.25	1.05	0.96	1
0.34	0.10	0.05	6.25	1.05	0.96	1
0.31	0.09	0.04	6.25	1.05	0.96	1
0.29	0.08	0.04	6.25	1.05	0.96	1
0.26	0.07	0.04	6.25	1.04	0.96	1
0.23	0.06	0.03	6.25	1.04	0.96	1
0.20	0.06	0.03	6.25	1.04	0.95	1
0.17	0.05	0.02	6.25	1.04	0.95	1
0.14	0.04	0.02	6.25	1.04	0.95	1
0.11	0.03	0.02	6.25	1.04	0.95	1
0.09	0.02	0.01	6.25	1.03	0.95	1
0.06	0.02	0.01	6.25	1.03	0.95	1
0.03	0.01	0.00	6.25	1.03	0.95	1
0.00	0.00	0.00	6.25	1.03	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.22	0.00	0.00	0.00	0.00	0.00	1
2.21	0.84	0.84	0.00	0.00	0.00	1
2.20	1.69	1.69	0.00	0.00	0.00	1
2.18	2.53	2.53	0.00	0.00	0.00	1
2.17	3.38	3.38	0.00	0.00	0.00	1
2.16	4.22	4.22	0.00	0.00	0.00	1
2.15	5.06	5.06	0.00	0.00	0.00	1
2.14	5.91	5.91	0.00	0.00	0.00	1
2.13	6.75	6.75	0.00	0.00	0.00	1
2.12	7.60	7.60	0.00	0.00	0.00	1
2.11	8.44	8.44	0.00	0.00	0.00	1
2.10	9.28	9.28	0.00	0.00	0.00	1
2.09	10.13	10.13	0.00	0.00	0.00	1
2.08	10.97	10.97	0.00	0.00	0.00	1
2.07	11.82	11.82	0.00	0.00	0.00	1
2.05	12.66	12.66	0.00	0.00	0.00	1
2.04	13.51	13.51	0.00	0.00	0.00	1
2.03	14.47	14.47	0.00	0.00	0.00	1
2.02	15.56	14.89	0.67	0.67	0.00	1
2.01	16.65	15.30	1.35	1.35	0.00	1

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2.00	17.73	15.71	2.01	2.01	0.00	1
1.99	18.81	16.13	2.68	2.68	0.00	1
1.98	19.89	16.54	3.35	3.35	0.00	1
1.97	20.96	16.95	4.01	4.01	0.00	1
1.96	22.03	17.37	4.67	4.67	0.00	1
1.95	23.10	17.78	5.33	5.33	0.00	1
1.94	24.17	18.19	5.98	5.98	0.00	1
1.93	25.24	18.60	6.64	6.63	0.00	1
1.92	26.30	19.00	7.30	7.28	0.02	1
1.91	27.36	19.39	7.97	7.93	0.04	1
1.90	28.42	19.78	8.65	8.58	0.07	1
1.89	29.48	20.15	9.33	9.22	0.11	1
1.88	30.53	20.51	10.02	9.86	0.16	1
1.86	31.59	20.87	10.72	10.50	0.21	1
1.85	32.64	21.22	11.42	11.14	0.28	1
1.84	33.69	21.56	12.13	11.78	0.35	1
1.84	33.69	21.56	12.13	11.78	0.35	1
1.82	36.30	22.41	13.89	13.36	0.53	1
1.79	38.90	23.22	15.68	14.92	0.75	1
1.77	41.49	23.99	17.50	16.48	1.01	1
1.74	44.07	24.73	19.34	18.03	1.31	1
1.72	46.64	25.93	20.70	19.56	1.14	1
1.70	49.20	27.35	21.84	21.09	0.75	1
1.67	51.74	28.69	23.06	22.61	0.45	1
1.65	54.29	29.94	24.35	24.11	0.24	1
1.62	56.82	31.11	25.70	25.61	0.09	1
1.60	59.34	32.22	27.12	27.11	0.01	1
1.57	61.86	33.27	28.59	28.59	0.00	1
1.55	64.37	34.30	30.07	30.07	0.00	1
1.53	66.88	35.28	31.60	31.54	0.06	1
1.50	69.38	36.21	33.17	33.01	0.16	1
1.48	71.87	37.09	34.78	34.47	0.31	1
1.46	74.36	37.94	36.42	35.92	0.50	1
1.43	76.84	38.74	38.10	37.37	0.73	1
1.41	79.31	39.51	39.80	38.81	0.99	1
1.39	81.78	40.25	41.54	40.25	1.28	1
1.37	84.25	40.96	43.29	41.68	1.61	1
1.34	86.71	41.64	45.07	43.11	1.96	1
1.32	89.17	42.30	46.87	44.54	2.34	1
1.30	91.62	42.93	48.69	45.96	2.73	1
1.27	94.07	43.54	50.53	47.37	3.15	1
1.25	96.52	44.14	52.38	48.78	3.59	1
1.23	98.96	44.71	54.24	50.19	4.05	1
1.21	101.39	45.27	56.12	51.60	4.53	1
1.18	103.83	45.81	58.01	53.00	5.01	1
1.16	106.26	46.34	59.91	54.39	5.52	1
1.14	108.68	46.86	61.82	55.79	6.03	1
1.12	111.11	47.37	63.74	57.18	6.56	1
1.09	113.53	47.86	65.67	58.56	7.10	1
1.07	115.94	48.34	67.60	59.95	7.65	1
1.05	118.35	48.82	69.54	61.33	8.21	1
1.03	120.76	49.28	71.48	62.71	8.77	1
1.03	120.76	49.28	71.48	62.71	8.77	1
1.01	123.17	49.75	73.42	64.08	9.34	1
0.98	125.58	50.43	75.14	65.45	9.69	1
0.96	127.98	51.38	76.60	66.82	9.78	1
0.94	130.37	52.30	78.07	68.18	9.89	1
0.92	132.77	53.22	79.55	69.55	10.00	1
0.90	135.16	54.13	81.03	70.91	10.13	1
0.88	137.55	55.02	82.53	72.26	10.27	1
0.85	139.94	55.91	84.03	73.62	10.41	1
0.83	142.32	56.79	85.53	74.97	10.57	1
0.81	144.70	57.66	87.05	76.31	10.73	1

			b420.pso			
0.79	147.08	58.52	88.56	77.66	10.90	1
0.77	149.45	59.37	90.08	79.00	11.08	1
0.75	151.83	60.22	91.61	80.34	11.27	1
0.72	154.20	61.06	93.14	81.68	11.46	1
0.70	156.56	61.89	94.67	83.01	11.66	1
0.68	158.93	62.72	96.21	84.34	11.87	1
0.66	161.29	63.54	97.75	85.67	12.08	1
0.64	163.65	64.36	99.29	87.00	12.29	1
0.62	166.01	65.17	100.84	88.32	12.51	1
0.60	168.36	65.98	102.38	89.64	12.74	1
0.58	170.71	66.78	103.93	90.96	12.97	1
0.55	173.06	67.58	105.48	92.28	13.20	1
0.53	175.41	68.38	107.03	93.59	13.44	1
0.51	177.75	69.17	108.58	94.90	13.67	1
0.49	180.09	69.96	110.13	96.21	13.92	1
0.47	182.43	70.75	111.68	97.52	14.16	1
0.45	184.77	71.54	113.23	98.82	14.41	1
0.43	187.10	72.32	114.78	100.12	14.66	1
0.41	189.43	73.10	116.33	101.42	14.91	1
0.39	191.76	73.88	117.88	102.72	15.16	1
0.37	194.09	74.66	119.42	104.01	15.42	1
0.35	196.41	75.44	120.97	105.30	15.67	1
0.32	198.73	76.21	122.52	106.59	15.93	1
0.30	201.05	76.99	124.06	107.87	16.19	1
0.28	203.37	77.76	125.60	109.16	16.44	1
0.28	203.37	77.76	125.60	109.16	16.44	1
0.28	204.29	78.07	126.22	109.67	16.55	1
0.27	205.22	78.38	126.83	110.18	16.65	1
0.26	206.14	78.69	127.45	110.69	16.75	1
0.25	207.07	79.00	128.06	111.21	16.86	1
0.24	207.99	79.31	128.68	111.72	16.96	1
0.23	208.91	79.62	129.29	112.23	17.06	1
0.23	209.84	79.93	129.91	112.74	17.17	1
0.22	210.76	80.24	130.52	113.25	17.27	1
0.21	211.68	80.55	131.13	113.76	17.38	1
0.20	212.61	80.86	131.75	114.27	17.48	1
0.19	213.53	81.17	132.36	114.78	17.58	1
0.19	214.45	81.48	132.97	115.28	17.69	1
0.18	215.37	81.79	133.58	115.79	17.79	1
0.17	216.29	82.10	134.19	116.30	17.89	1
0.16	217.21	82.41	134.80	116.81	18.00	1
0.15	218.13	82.72	135.41	117.31	18.10	1
0.14	219.05	83.03	136.02	117.82	18.20	1
0.14	219.97	83.34	136.63	118.33	18.31	1
0.13	220.89	83.65	137.24	118.83	18.41	1
0.12	221.81	83.96	137.85	119.34	18.51	1
0.11	222.72	84.27	138.46	119.84	18.62	1
0.10	223.64	84.58	139.07	120.35	18.72	1
0.10	224.56	84.89	139.67	120.85	18.82	1
0.09	225.48	85.20	140.28	121.35	18.93	1
0.08	226.39	85.51	140.88	121.86	19.03	1
0.07	227.31	85.82	141.49	122.36	19.13	1
0.06	228.22	86.13	142.09	122.86	19.23	1
0.06	229.14	86.44	142.70	123.36	19.34	1
0.05	230.05	86.75	143.30	123.87	19.44	1
0.04	230.97	87.06	143.91	124.37	19.54	1
0.03	231.88	87.37	144.51	124.87	19.64	1
0.02	232.80	87.68	145.11	125.37	19.74	1
0.02	233.71	88.00	145.71	125.87	19.84	1
0.01	234.62	88.31	146.31	126.37	19.95	1
0.00	235.53	88.62	146.91	126.87	20.05	1

Time = 270.

Degree of Consolidation = 98.0%

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Total Settlement = 4.783

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 270. = 4.728

Settlement caused by Secondary Compression at time 270. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.47

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.19	0.97	6.25	1.75	1.75	1
6.97	2.18	0.96	6.25	1.75	1.75	1
6.94	2.17	0.96	6.25	1.75	1.75	1
6.91	2.16	0.95	6.25	1.75	1.75	1
6.89	2.15	0.95	6.25	1.75	1.75	1
6.86	2.14	0.95	6.25	1.75	1.75	1
6.83	2.13	0.94	6.25	1.75	1.75	1
6.80	2.12	0.94	6.25	1.75	1.75	1
6.77	2.11	0.93	6.25	1.75	1.75	1
6.74	2.10	0.93	6.25	1.75	1.75	1
6.71	2.09	0.93	6.25	1.75	1.75	1
6.69	2.08	0.92	6.25	1.75	1.75	1
6.66	2.06	0.92	6.25	1.75	1.75	1
6.63	2.05	0.91	6.25	1.75	1.75	1
6.60	2.04	0.91	6.25	1.75	1.75	1
6.57	2.03	0.91	6.25	1.75	1.75	1
6.54	2.02	0.90	6.25	1.75	1.75	1
6.51	2.01	0.90	6.25	1.75	1.75	1
6.49	2.00	0.89	6.25	1.74	1.74	1
6.46	1.99	0.89	6.25	1.73	1.73	1
6.43	1.98	0.89	6.25	1.72	1.72	1
6.40	1.97	0.88	6.25	1.71	1.71	1
6.37	1.96	0.88	6.25	1.70	1.70	1
6.34	1.95	0.87	6.25	1.69	1.69	1
6.31	1.94	0.87	6.25	1.68	1.68	1
6.29	1.93	0.87	6.25	1.67	1.67	1
6.26	1.91	0.86	6.25	1.66	1.66	1
6.23	1.90	0.86	6.25	1.65	1.65	1
6.20	1.89	0.86	6.25	1.64	1.64	1
6.17	1.88	0.85	6.25	1.63	1.63	1
6.14	1.87	0.85	6.25	1.62	1.62	1
6.11	1.86	0.84	6.25	1.61	1.61	1
6.09	1.85	0.84	6.25	1.60	1.60	1
6.06	1.84	0.84	6.25	1.60	1.59	1
6.03	1.83	0.83	6.25	1.59	1.58	1
6.00	1.82	0.83	6.25	1.58	1.57	1
6.00	1.82	0.83	6.25	1.58	1.57	1
5.93	1.80	0.82	6.25	1.56	1.55	1
5.86	1.77	0.81	6.25	1.54	1.52	1
5.79	1.75	0.80	6.25	1.52	1.50	1

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5.71	1.72	0.79	6.25	1.51	1.49	1
5.64	1.70	0.78	6.25	1.49	1.48	1
5.57	1.67	0.77	6.25	1.47	1.47	1
5.50	1.65	0.76	6.25	1.46	1.46	1
5.43	1.62	0.75	6.25	1.45	1.44	1
5.36	1.60	0.74	6.25	1.43	1.43	1
5.29	1.58	0.73	6.25	1.42	1.42	1
5.21	1.55	0.72	6.25	1.41	1.41	1
5.14	1.53	0.71	6.25	1.40	1.40	1
5.07	1.51	0.70	6.25	1.39	1.39	1
5.00	1.48	0.69	6.25	1.38	1.38	1
4.93	1.46	0.68	6.25	1.37	1.37	1
4.86	1.43	0.67	6.25	1.36	1.35	1
4.79	1.41	0.66	6.25	1.34	1.34	1
4.71	1.39	0.65	6.25	1.33	1.33	1
4.64	1.37	0.64	6.25	1.33	1.32	1
4.57	1.34	0.63	6.25	1.32	1.31	1
4.50	1.32	0.62	6.25	1.31	1.30	1
4.43	1.30	0.61	6.25	1.30	1.29	1
4.36	1.27	0.60	6.25	1.29	1.28	1
4.29	1.25	0.59	6.25	1.28	1.27	1
4.21	1.23	0.58	6.25	1.27	1.25	1
4.14	1.21	0.57	6.25	1.27	1.24	1
4.07	1.19	0.56	6.25	1.26	1.23	1
4.00	1.16	0.55	6.25	1.25	1.23	1
3.93	1.14	0.54	6.25	1.25	1.22	1
3.86	1.12	0.53	6.25	1.24	1.21	1
3.79	1.10	0.52	6.25	1.23	1.21	1
3.71	1.07	0.51	6.25	1.23	1.20	1
3.64	1.05	0.50	6.25	1.22	1.20	1
3.57	1.03	0.49	6.25	1.21	1.19	1
3.50	1.01	0.48	6.25	1.21	1.19	1
3.50	1.01	0.48	6.25	1.21	1.19	1
3.43	0.99	0.47	6.25	1.20	1.18	1
3.36	0.97	0.46	6.25	1.20	1.18	1
3.29	0.94	0.45	6.25	1.19	1.17	1
3.21	0.92	0.44	6.25	1.19	1.17	1
3.14	0.90	0.43	6.25	1.18	1.16	1
3.07	0.88	0.42	6.25	1.17	1.16	1
3.00	0.86	0.41	6.25	1.17	1.15	1
2.93	0.84	0.40	6.25	1.16	1.15	1
2.86	0.82	0.39	6.25	1.16	1.14	1
2.79	0.79	0.38	6.25	1.15	1.13	1
2.71	0.77	0.37	6.25	1.15	1.13	1
2.64	0.75	0.36	6.25	1.14	1.12	1
2.57	0.73	0.35	6.25	1.14	1.12	1
2.50	0.71	0.34	6.25	1.13	1.11	1
2.43	0.69	0.33	6.25	1.13	1.11	1
2.36	0.67	0.33	6.25	1.12	1.10	1
2.29	0.65	0.32	6.25	1.12	1.10	1
2.21	0.63	0.31	6.25	1.11	1.09	1
2.14	0.61	0.30	6.25	1.11	1.09	1
2.07	0.58	0.29	6.25	1.11	1.08	1
2.00	0.56	0.28	6.25	1.10	1.08	1
1.93	0.54	0.27	6.25	1.10	1.07	1
1.86	0.52	0.26	6.25	1.09	1.06	1
1.79	0.50	0.25	6.25	1.09	1.06	1
1.71	0.48	0.24	6.25	1.08	1.05	1
1.64	0.46	0.23	6.25	1.08	1.05	1
1.57	0.44	0.22	6.25	1.08	1.04	1
1.50	0.42	0.21	6.25	1.07	1.04	1
1.43	0.40	0.20	6.25	1.07	1.03	1
1.36	0.38	0.19	6.25	1.06	1.03	1

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1.29	0.36	0.18	6.25	1.06	1.02	1
1.21	0.34	0.17	6.25	1.06	1.02	1
1.14	0.32	0.16	6.25	1.05	1.01	1
1.07	0.30	0.15	6.25	1.05	1.01	1
1.00	0.28	0.14	6.25	1.04	1.00	1
1.00	0.28	0.14	6.25	1.04	1.00	1
0.97	0.27	0.13	6.25	1.04	1.00	1
0.94	0.26	0.13	6.25	1.04	1.00	1
0.91	0.25	0.13	6.25	1.04	0.99	1
0.89	0.25	0.12	6.25	1.04	0.99	1
0.86	0.24	0.12	6.25	1.04	0.99	1
0.83	0.23	0.11	6.25	1.03	0.99	1
0.80	0.22	0.11	6.25	1.03	0.99	1
0.77	0.21	0.11	6.25	1.03	0.98	1
0.74	0.21	0.10	6.25	1.03	0.98	1
0.71	0.20	0.10	6.25	1.03	0.98	1
0.69	0.19	0.09	6.25	1.03	0.98	1
0.66	0.18	0.09	6.25	1.02	0.97	1
0.63	0.17	0.09	6.25	1.02	0.97	1
0.60	0.17	0.08	6.25	1.02	0.97	1
0.57	0.16	0.08	6.25	1.02	0.97	1
0.54	0.15	0.07	6.25	1.02	0.97	1
0.51	0.14	0.07	6.25	1.02	0.97	1
0.49	0.13	0.07	6.25	1.02	0.97	1
0.46	0.13	0.06	6.25	1.01	0.96	1
0.43	0.12	0.06	6.25	1.01	0.96	1
0.40	0.11	0.06	6.25	1.01	0.96	1
0.37	0.10	0.05	6.25	1.01	0.96	1
0.34	0.09	0.05	6.25	1.01	0.96	1
0.31	0.09	0.04	6.25	1.01	0.96	1
0.29	0.08	0.04	6.25	1.01	0.96	1
0.26	0.07	0.04	6.25	1.00	0.96	1
0.23	0.06	0.03	6.25	1.00	0.96	1
0.20	0.06	0.03	6.25	1.00	0.95	1
0.17	0.05	0.02	6.25	1.00	0.95	1
0.14	0.04	0.02	6.25	1.00	0.95	1
0.11	0.03	0.02	6.25	1.00	0.95	1
0.09	0.02	0.01	6.25	0.99	0.95	1
0.06	0.02	0.01	6.25	0.99	0.95	1
0.03	0.01	0.00	6.25	0.99	0.95	1
0.00	0.00	0.00	6.25	0.99	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.19	0.00	0.00	0.00	0.00	0.00	1
2.18	0.84	0.84	0.00	0.00	0.00	1
2.17	1.69	1.69	0.00	0.00	0.00	1
2.16	2.53	2.53	0.00	0.00	0.00	1
2.15	3.38	3.38	0.00	0.00	0.00	1
2.14	4.22	4.22	0.00	0.00	0.00	1
2.13	5.06	5.06	0.00	0.00	0.00	1
2.12	5.91	5.91	0.00	0.00	0.00	1
2.11	6.75	6.75	0.00	0.00	0.00	1
2.10	7.60	7.60	0.00	0.00	0.00	1
2.09	8.44	8.44	0.00	0.00	0.00	1
2.08	9.28	9.28	0.00	0.00	0.00	1
2.06	10.13	10.13	0.00	0.00	0.00	1
2.05	10.97	10.97	0.00	0.00	0.00	1
2.04	11.82	11.82	0.00	0.00	0.00	1
2.03	12.66	12.66	0.00	0.00	0.00	1
2.02	13.51	13.51	0.00	0.00	0.00	1

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2.01	14.47	14.47	0.00	0.00	0.00	1
2.00	15.56	14.89	0.67	0.67	0.00	1
1.99	16.65	15.30	1.35	1.35	0.00	1
1.98	17.73	15.71	2.01	2.01	0.00	1
1.97	18.81	16.13	2.68	2.68	0.00	1
1.96	19.89	16.54	3.35	3.35	0.00	1
1.95	20.96	16.95	4.01	4.01	0.00	1
1.94	22.03	17.37	4.67	4.67	0.00	1
1.93	23.10	17.78	5.33	5.33	0.00	1
1.91	24.17	18.19	5.98	5.98	0.00	1
1.90	25.24	18.60	6.64	6.63	0.00	1
1.89	26.30	19.00	7.30	7.28	0.02	1
1.88	27.36	19.39	7.97	7.93	0.04	1
1.87	28.42	19.78	8.65	8.58	0.07	1
1.86	29.48	20.15	9.33	9.22	0.11	1
1.85	30.53	20.51	10.02	9.86	0.16	1
1.84	31.59	20.87	10.72	10.50	0.21	1
1.83	32.64	21.22	11.42	11.14	0.28	1
1.82	33.69	21.56	12.13	11.78	0.35	1
1.82	33.69	21.56	12.13	11.78	0.35	1
1.80	36.30	22.41	13.89	13.36	0.53	1
1.77	38.90	23.22	15.68	14.92	0.75	1
1.75	41.49	23.99	17.49	16.48	1.01	1
1.72	44.07	24.73	19.34	18.03	1.31	1
1.70	46.64	25.93	20.70	19.56	1.14	1
1.67	49.20	27.36	21.84	21.09	0.75	1
1.65	51.74	28.69	23.06	22.60	0.45	1
1.62	54.29	29.94	24.35	24.11	0.23	1
1.60	56.82	31.11	25.70	25.61	0.09	1
1.58	59.34	32.22	27.12	27.11	0.01	1
1.55	61.86	33.27	28.59	28.59	0.00	1
1.53	64.37	34.30	30.07	30.07	0.00	1
1.51	66.88	35.34	31.54	31.54	0.00	1
1.48	69.38	36.37	33.01	33.01	0.00	1
1.46	71.87	37.40	34.46	34.46	0.00	1
1.43	74.35	38.42	35.93	35.92	0.02	1
1.41	76.83	39.39	37.44	37.36	0.08	1
1.39	79.30	40.31	38.99	38.80	0.19	1
1.37	81.76	41.20	40.56	40.23	0.33	1
1.34	84.22	42.06	42.17	41.66	0.51	1
1.32	86.68	42.88	43.80	43.08	0.72	1
1.30	89.13	43.66	45.46	44.49	0.97	1
1.27	91.57	44.43	47.14	45.90	1.24	1
1.25	94.01	45.16	48.85	47.31	1.54	1
1.23	96.44	45.87	50.57	48.71	1.86	1
1.21	98.87	46.56	52.31	50.11	2.20	1
1.19	101.29	47.23	54.06	51.50	2.57	1
1.16	103.71	47.88	55.83	52.89	2.95	1
1.14	106.13	48.51	57.62	54.27	3.35	1
1.12	108.54	49.13	59.41	55.65	3.77	1
1.10	110.95	49.73	61.22	57.02	4.20	1
1.07	113.35	50.66	62.69	58.39	4.30	1
1.05	115.75	51.86	63.90	59.76	4.14	1
1.03	118.15	53.03	65.12	61.12	4.00	1
1.01	120.54	54.18	66.37	62.48	3.88	1
1.01	120.54	54.18	66.37	62.48	3.88	1
0.99	122.93	55.32	67.61	63.84	3.77	1
0.97	125.31	56.45	68.86	65.19	3.67	1
0.94	127.70	57.56	70.14	66.54	3.60	1
0.92	130.07	58.64	71.43	67.88	3.55	1
0.90	132.45	59.71	72.74	69.23	3.52	1
0.88	134.82	60.75	74.07	70.56	3.50	1
0.86	137.19	61.78	75.40	71.90	3.50	1

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0.84	139.55	62.80	76.75	73.23	3.52	1
0.82	141.91	63.79	78.12	74.56	3.56	1
0.79	144.27	64.78	79.50	75.88	3.61	1
0.77	146.63	65.74	80.88	77.21	3.68	1
0.75	148.98	66.69	82.28	78.53	3.76	1
0.73	151.33	67.63	83.69	79.84	3.85	1
0.71	153.67	68.56	85.11	81.15	3.96	1
0.69	156.02	69.47	86.54	82.46	4.08	1
0.67	158.36	70.37	87.98	83.77	4.21	1
0.65	160.69	71.26	89.43	85.08	4.35	1
0.63	163.03	72.14	90.88	86.38	4.51	1
0.61	165.36	73.01	92.35	87.68	4.67	1
0.58	167.69	73.87	93.82	88.97	4.84	1
0.56	170.01	74.72	95.29	90.27	5.03	1
0.54	172.34	75.56	96.77	91.56	5.22	1
0.52	174.66	76.40	98.26	92.84	5.42	1
0.50	176.98	77.22	99.76	94.13	5.63	1
0.48	179.29	78.04	101.26	95.41	5.84	1
0.46	181.60	78.85	102.76	96.69	6.07	1
0.44	183.92	79.65	104.27	97.97	6.30	1
0.42	186.22	80.44	105.78	99.24	6.54	1
0.40	188.53	81.23	107.30	100.52	6.78	1
0.38	190.83	82.01	108.82	101.79	7.03	1
0.36	193.13	82.79	110.34	103.05	7.29	1
0.34	195.43	83.56	111.87	104.32	7.55	1
0.32	197.72	84.33	113.39	105.58	7.81	1
0.30	200.02	85.09	114.93	106.84	8.08	1
0.28	202.31	85.85	116.46	108.10	8.36	1
0.28	202.31	85.85	116.46	108.10	8.36	1
0.27	203.22	86.15	117.07	108.60	8.47	1
0.26	204.14	86.45	117.68	109.10	8.58	1
0.25	205.05	86.76	118.30	109.61	8.69	1
0.25	205.97	87.06	118.91	110.11	8.80	1
0.24	206.88	87.36	119.52	110.61	8.92	1
0.23	207.79	87.66	120.14	111.11	9.03	1
0.22	208.71	87.96	120.75	111.61	9.14	1
0.21	209.62	88.25	121.37	112.11	9.26	1
0.21	210.53	88.55	121.98	112.61	9.37	1
0.20	211.44	88.85	122.60	113.11	9.49	1
0.19	212.36	89.15	123.21	113.60	9.61	1
0.18	213.27	89.44	123.83	114.10	9.72	1
0.17	214.18	89.74	124.44	114.60	9.84	1
0.17	215.09	90.03	125.06	115.10	9.96	1
0.16	216.00	90.33	125.67	115.59	10.08	1
0.15	216.91	90.62	126.29	116.09	10.20	1
0.14	217.82	90.91	126.90	116.59	10.32	1
0.13	218.73	91.21	127.52	117.08	10.44	1
0.13	219.64	91.50	128.14	117.58	10.56	1
0.12	220.54	91.79	128.75	118.07	10.68	1
0.11	221.45	92.08	129.37	118.57	10.80	1
0.10	222.36	92.38	129.98	119.06	10.92	1
0.09	223.27	92.67	130.60	119.56	11.04	1
0.09	224.17	92.96	131.22	120.05	11.16	1
0.08	225.08	93.25	131.83	120.54	11.29	1
0.07	225.99	93.54	132.45	121.04	11.41	1
0.06	226.89	93.83	133.06	121.53	11.53	1
0.06	227.80	94.12	133.68	122.02	11.66	1
0.05	228.70	94.41	134.30	122.51	11.78	1
0.04	229.61	94.70	134.91	123.00	11.91	1
0.03	230.51	94.98	135.53	123.50	12.03	1
0.02	231.41	95.27	136.14	123.99	12.16	1
0.02	232.32	95.56	136.76	124.48	12.28	1
0.01	233.22	95.85	137.37	124.97	12.41	1

b420.pso

0.00	234.12	96.13	137.99	125.46	12.53	1
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Time = 365. Degree of Consolidation = 98.%

Total Settlement = 4.805

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 365. = 4.751

Settlement caused by Secondary Compression at time 365. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.44

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.10	0.93	6.25	1.75	1.75	1
6.74	2.09	0.93	6.25	1.75	1.75	1
6.71	2.08	0.93	6.25	1.75	1.75	1
6.69	2.07	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.97	0.89	6.25	1.72	1.72	1
6.40	1.96	0.88	6.25	1.71	1.71	1
6.37	1.95	0.88	6.25	1.70	1.70	1
6.34	1.94	0.87	6.25	1.69	1.69	1
6.31	1.93	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1
6.11	1.85	0.84	6.25	1.61	1.61	1
6.09	1.84	0.84	6.25	1.60	1.60	1
6.06	1.83	0.84	6.25	1.60	1.59	1
6.03	1.82	0.83	6.25	1.59	1.58	1
6.00	1.81	0.83	6.25	1.58	1.57	1
6.00	1.81	0.83	6.25	1.58	1.57	1

b420.pso						
5.93	1.79	0.82	6.25	1.56	1.55	1
5.86	1.76	0.81	6.25	1.54	1.52	1
5.79	1.74	0.80	6.25	1.52	1.50	1
5.71	1.71	0.79	6.25	1.51	1.49	1
5.64	1.69	0.78	6.25	1.49	1.48	1
5.57	1.66	0.77	6.25	1.47	1.47	1
5.50	1.64	0.76	6.25	1.46	1.46	1
5.43	1.61	0.75	6.25	1.45	1.44	1
5.36	1.59	0.74	6.25	1.43	1.43	1
5.29	1.57	0.73	6.25	1.42	1.42	1
5.21	1.54	0.72	6.25	1.41	1.41	1
5.14	1.52	0.71	6.25	1.40	1.40	1
5.07	1.49	0.70	6.25	1.39	1.39	1
5.00	1.47	0.69	6.25	1.38	1.38	1
4.93	1.45	0.68	6.25	1.37	1.37	1
4.86	1.42	0.67	6.25	1.35	1.35	1
4.79	1.40	0.66	6.25	1.34	1.34	1
4.71	1.38	0.65	6.25	1.33	1.33	1
4.64	1.36	0.64	6.25	1.32	1.32	1
4.57	1.33	0.63	6.25	1.31	1.31	1
4.50	1.31	0.62	6.25	1.30	1.30	1
4.43	1.29	0.61	6.25	1.29	1.29	1
4.36	1.26	0.60	6.25	1.29	1.28	1
4.29	1.24	0.59	6.25	1.28	1.27	1
4.21	1.22	0.58	6.25	1.27	1.25	1
4.14	1.20	0.57	6.25	1.26	1.24	1
4.07	1.18	0.56	6.25	1.25	1.23	1
4.00	1.15	0.55	6.25	1.24	1.23	1
3.93	1.13	0.54	6.25	1.24	1.22	1
3.86	1.11	0.53	6.25	1.23	1.21	1
3.79	1.09	0.52	6.25	1.22	1.21	1
3.71	1.07	0.51	6.25	1.22	1.20	1
3.64	1.04	0.50	6.25	1.21	1.20	1
3.57	1.02	0.49	6.25	1.20	1.19	1
3.50	1.00	0.48	6.25	1.20	1.19	1
3.50	1.00	0.48	6.25	1.20	1.19	1
3.43	0.98	0.47	6.25	1.19	1.18	1
3.36	0.96	0.46	6.25	1.18	1.18	1
3.29	0.94	0.45	6.25	1.18	1.17	1
3.21	0.91	0.44	6.25	1.17	1.17	1
3.14	0.89	0.43	6.25	1.17	1.16	1
3.07	0.87	0.42	6.25	1.16	1.16	1
3.00	0.85	0.41	6.25	1.15	1.15	1
2.93	0.83	0.40	6.25	1.15	1.15	1
2.86	0.81	0.39	6.25	1.14	1.14	1
2.79	0.79	0.38	6.25	1.14	1.13	1
2.71	0.77	0.37	6.25	1.13	1.13	1
2.64	0.74	0.36	6.25	1.13	1.12	1
2.57	0.72	0.35	6.25	1.12	1.12	1
2.50	0.70	0.34	6.25	1.12	1.11	1
2.43	0.68	0.33	6.25	1.11	1.11	1
2.36	0.66	0.33	6.25	1.11	1.10	1
2.29	0.64	0.32	6.25	1.10	1.10	1
2.21	0.62	0.31	6.25	1.10	1.09	1
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.09	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.08	1.07	1
1.86	0.52	0.26	6.25	1.07	1.06	1
1.79	0.50	0.25	6.25	1.07	1.06	1
1.71	0.48	0.24	6.25	1.06	1.05	1
1.64	0.46	0.23	6.25	1.06	1.05	1
1.57	0.44	0.22	6.25	1.06	1.04	1

b420.pso

1.50	0.42	0.21	6.25	1.05	1.04	1
1.43	0.40	0.20	6.25	1.05	1.03	1
1.36	0.38	0.19	6.25	1.04	1.03	1
1.29	0.36	0.18	6.25	1.04	1.02	1
1.21	0.34	0.17	6.25	1.03	1.02	1
1.14	0.32	0.16	6.25	1.03	1.01	1
1.07	0.30	0.15	6.25	1.03	1.01	1
1.00	0.28	0.14	6.25	1.02	1.00	1
1.00	0.28	0.14	6.25	1.02	1.00	1
0.97	0.27	0.13	6.25	1.02	1.00	1
0.94	0.26	0.13	6.25	1.02	1.00	1
0.91	0.25	0.13	6.25	1.02	0.99	1
0.89	0.24	0.12	6.25	1.02	0.99	1
0.86	0.24	0.12	6.25	1.01	0.99	1
0.83	0.23	0.11	6.25	1.01	0.99	1
0.80	0.22	0.11	6.25	1.01	0.99	1
0.77	0.21	0.11	6.25	1.01	0.98	1
0.74	0.20	0.10	6.25	1.01	0.98	1
0.71	0.20	0.10	6.25	1.01	0.98	1
0.69	0.19	0.09	6.25	1.01	0.98	1
0.66	0.18	0.09	6.25	1.00	0.97	1
0.63	0.17	0.09	6.25	1.00	0.97	1
0.60	0.16	0.08	6.25	1.00	0.97	1
0.57	0.16	0.08	6.25	1.00	0.97	1
0.54	0.15	0.07	6.25	1.00	0.97	1
0.51	0.14	0.07	6.25	1.00	0.97	1
0.49	0.13	0.07	6.25	0.99	0.97	1
0.46	0.12	0.06	6.25	0.99	0.96	1
0.43	0.12	0.06	6.25	0.99	0.96	1
0.40	0.11	0.06	6.25	0.99	0.96	1
0.37	0.10	0.05	6.25	0.99	0.96	1
0.34	0.09	0.05	6.25	0.99	0.96	1
0.31	0.09	0.04	6.25	0.99	0.96	1
0.29	0.08	0.04	6.25	0.98	0.96	1
0.26	0.07	0.04	6.25	0.98	0.96	1
0.23	0.06	0.03	6.25	0.98	0.96	1
0.20	0.05	0.03	6.25	0.98	0.95	1
0.17	0.05	0.02	6.25	0.98	0.95	1
0.14	0.04	0.02	6.25	0.98	0.95	1
0.11	0.03	0.02	6.25	0.98	0.95	1
0.09	0.02	0.01	6.25	0.97	0.95	1
0.06	0.02	0.01	6.25	0.97	0.95	1
0.03	0.01	0.00	6.25	0.97	0.95	1
0.00	0.00	0.00	6.25	0.97	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.10	6.75	6.75	0.00	0.00	0.00	1
2.09	7.60	7.60	0.00	0.00	0.00	1
2.08	8.44	8.44	0.00	0.00	0.00	1
2.07	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1

			b420.pso			
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.97	17.73	15.71	2.01	2.01	0.00	1
1.96	18.81	16.13	2.68	2.68	0.00	1
1.95	19.89	16.54	3.35	3.35	0.00	1
1.94	20.96	16.95	4.01	4.01	0.00	1
1.93	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.79	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.74	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.69	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.64	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.57	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.52	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.45	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.47	38.83	38.80	0.03	1
1.36	81.76	41.43	40.34	40.23	0.11	1
1.33	84.22	42.35	41.87	41.65	0.22	1
1.31	86.67	43.23	43.44	43.07	0.37	1
1.29	89.12	44.08	45.03	44.49	0.55	1
1.26	91.56	44.91	46.65	45.89	0.76	1
1.24	93.99	45.70	48.29	47.30	1.00	1
1.22	96.42	46.47	49.95	48.69	1.26	1
1.20	98.85	47.22	51.63	50.08	1.55	1
1.18	101.27	47.94	53.32	51.47	1.85	1
1.15	103.68	48.65	55.04	52.85	2.18	1
1.13	106.09	49.33	56.76	54.23	2.53	1
1.11	108.50	50.00	58.50	55.60	2.89	1
1.09	110.90	51.36	59.54	56.97	2.57	1
1.07	113.30	52.69	60.61	58.34	2.27	1
1.04	115.69	53.99	61.70	59.70	2.01	1
1.02	118.08	55.26	62.82	61.05	1.77	1
1.00	120.46	56.50	63.96	62.41	1.56	1
1.00	120.46	56.50	63.96	62.41	1.56	1
0.98	122.85	57.75	65.10	63.75	1.34	1
0.96	125.22	58.97	66.25	65.10	1.15	1
0.94	127.60	60.17	67.43	66.44	0.99	1
0.91	129.97	61.34	68.63	67.78	0.85	1

0.89	132.33	62.49	b420.pso	69.11	0.73	1
0.87	134.69	63.62	69.84	70.44	0.64	1
0.85	137.05	64.73	71.07	71.76	0.56	1
0.83	139.41	65.82	72.32	73.09	0.50	1
0.81	141.76	66.89	73.59	74.40	0.47	1
0.79	144.11	67.94	74.87	75.72	0.45	1
0.77	146.45	68.97	76.17	77.03	0.45	1
0.74	148.79	69.99	77.48	78.34	0.46	1
0.72	151.13	70.99	78.80	79.65	0.49	1
0.70	153.47	71.98	80.14	80.95	0.54	1
0.68	155.80	72.95	81.49	82.25	0.61	1
0.66	158.13	73.90	82.85	83.54	0.68	1
0.64	160.45	74.84	84.23	84.84	0.78	1
0.62	162.78	75.77	85.61	86.13	0.88	1
0.60	165.10	76.68	87.01	87.41	1.00	1
0.58	167.41	77.58	88.41	88.70	1.13	1
0.56	169.73	78.47	89.83	89.98	1.28	1
0.54	172.04	79.35	91.25	91.26	1.43	1
0.52	174.35	80.22	92.69	92.53	1.60	1
0.50	176.65	81.07	94.13	93.81	1.78	1
0.48	178.96	81.92	95.58	95.08	1.96	1
0.46	181.26	82.75	97.04	96.34	2.16	1
0.44	183.55	83.58	98.51	97.61	2.37	1
0.42	185.85	84.39	99.98	98.87	2.59	1
0.40	188.14	85.20	101.46	100.13	2.81	1
0.38	190.43	86.00	102.94	101.39	3.05	1
0.36	192.72	86.79	104.43	102.64	3.29	1
0.34	195.00	87.57	105.93	103.89	3.54	1
0.32	197.29	88.34	107.43	105.14	3.80	1
0.30	199.57	89.11	108.94	106.39	4.06	1
0.28	201.84	89.87	110.46	107.64	4.34	1
0.28	201.84	89.87	111.97	107.64	4.34	1
0.27	202.75	90.17	111.97	108.13	4.45	1
0.26	203.66	90.48	112.58	108.63	4.56	1
0.25	204.57	90.78	113.19	109.13	4.67	1
0.24	205.48	91.08	113.79	109.62	4.78	1
0.24	206.39	91.38	114.40	110.12	4.89	1
0.23	207.30	91.68	115.01	110.61	5.01	1
0.22	208.21	91.98	115.62	111.11	5.12	1
0.21	209.12	92.27	116.23	111.60	5.24	1
0.20	210.02	92.57	116.84	112.10	5.36	1
0.20	210.93	92.86	117.45	112.59	5.47	1
0.19	211.84	93.16	118.06	113.08	5.59	1
0.18	212.74	93.45	118.68	113.58	5.71	1
0.17	213.65	93.74	119.29	114.07	5.83	1
0.16	214.55	94.04	119.90	114.56	5.96	1
0.16	215.46	94.33	120.52	115.05	6.08	1
0.15	216.36	94.62	121.13	115.55	6.20	1
0.14	217.27	94.90	121.75	116.04	6.33	1
0.13	218.17	95.19	122.36	116.53	6.45	1
0.12	219.07	95.48	122.98	117.02	6.58	1
0.12	219.98	95.77	123.59	117.51	6.70	1
0.11	220.88	96.05	124.21	118.00	6.83	1
0.10	221.78	96.34	124.83	118.49	6.96	1
0.09	222.69	96.62	125.45	118.98	7.09	1
0.09	223.59	96.90	126.06	119.46	7.22	1
0.08	224.49	97.19	126.68	119.95	7.35	1
0.07	225.39	97.47	127.30	120.44	7.48	1
0.06	226.29	97.75	127.92	120.93	7.61	1
0.05	227.19	98.03	128.54	121.41	7.74	1
0.05	228.09	98.31	129.16	121.90	7.88	1
0.04	228.99	98.59	129.78	122.39	8.01	1
0.03	229.89	98.87	130.40	122.87	8.15	1
			131.02			

			b420.pso			
0.02	230.79	99.15	131.64	123.36	8.28	1
0.02	231.69	99.42	132.26	123.85	8.42	1
0.01	232.58	99.70	132.88	124.33	8.55	1
0.00	233.48	99.98	133.51	124.81	8.69	1

Time = 455. Degree of Consolidation = 99.0%

Total Settlement = 4.816

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 455. = 4.761

Settlement caused by Secondary Compression at time 455. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1
6.11	1.85	0.84	6.25	1.61	1.61	1
6.09	1.84	0.84	6.25	1.60	1.60	1
6.06	1.83	0.84	6.25	1.60	1.59	1

			b420.pso			
6.03	1.82	0.83	6.25	1.59	1.58	1
6.00	1.81	0.83	6.25	1.58	1.57	1
6.00	1.81	0.83	6.25	1.58	1.57	1
5.93	1.78	0.82	6.25	1.56	1.55	1
5.86	1.76	0.81	6.25	1.54	1.52	1
5.79	1.73	0.80	6.25	1.52	1.50	1
5.71	1.71	0.79	6.25	1.51	1.49	1
5.64	1.68	0.78	6.25	1.49	1.48	1
5.57	1.66	0.77	6.25	1.47	1.47	1
5.50	1.63	0.76	6.25	1.46	1.46	1
5.43	1.61	0.75	6.25	1.45	1.44	1
5.36	1.59	0.74	6.25	1.43	1.43	1
5.29	1.56	0.73	6.25	1.42	1.42	1
5.21	1.54	0.72	6.25	1.41	1.41	1
5.14	1.51	0.71	6.25	1.40	1.40	1
5.07	1.49	0.70	6.25	1.39	1.39	1
5.00	1.47	0.69	6.25	1.38	1.38	1
4.93	1.44	0.68	6.25	1.37	1.37	1
4.86	1.42	0.67	6.25	1.35	1.35	1
4.79	1.40	0.66	6.25	1.34	1.34	1
4.71	1.38	0.65	6.25	1.33	1.33	1
4.64	1.35	0.64	6.25	1.32	1.32	1
4.57	1.33	0.63	6.25	1.31	1.31	1
4.50	1.31	0.62	6.25	1.30	1.30	1
4.43	1.28	0.61	6.25	1.29	1.29	1
4.36	1.26	0.60	6.25	1.28	1.28	1
4.29	1.24	0.59	6.25	1.28	1.27	1
4.21	1.22	0.58	6.25	1.27	1.25	1
4.14	1.19	0.57	6.25	1.26	1.24	1
4.07	1.17	0.56	6.25	1.25	1.23	1
4.00	1.15	0.55	6.25	1.24	1.23	1
3.93	1.13	0.54	6.25	1.24	1.22	1
3.86	1.11	0.53	6.25	1.23	1.21	1
3.79	1.08	0.52	6.25	1.22	1.21	1
3.71	1.06	0.51	6.25	1.21	1.20	1
3.64	1.04	0.50	6.25	1.21	1.20	1
3.57	1.02	0.49	6.25	1.20	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.43	0.98	0.47	6.25	1.19	1.18	1
3.36	0.95	0.46	6.25	1.18	1.18	1
3.29	0.93	0.45	6.25	1.17	1.17	1
3.21	0.91	0.44	6.25	1.17	1.17	1
3.14	0.89	0.43	6.25	1.16	1.16	1
3.07	0.87	0.42	6.25	1.16	1.16	1
3.00	0.85	0.41	6.25	1.15	1.15	1
2.93	0.83	0.40	6.25	1.15	1.15	1
2.86	0.80	0.39	6.25	1.14	1.14	1
2.79	0.78	0.38	6.25	1.13	1.13	1
2.71	0.76	0.37	6.25	1.13	1.13	1
2.64	0.74	0.36	6.25	1.12	1.12	1
2.57	0.72	0.35	6.25	1.12	1.12	1
2.50	0.70	0.34	6.25	1.11	1.11	1
2.43	0.68	0.33	6.25	1.11	1.11	1
2.36	0.66	0.33	6.25	1.10	1.10	1
2.29	0.64	0.32	6.25	1.10	1.10	1
2.21	0.62	0.31	6.25	1.09	1.09	1
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.08	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1

b420.pso						
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1

			b420.pso				
2.06	9.28	9.28	0.00	0.00	0.00	1	
2.05	10.13	10.13	0.00	0.00	0.00	1	
2.04	10.97	10.97	0.00	0.00	0.00	1	
2.03	11.82	11.82	0.00	0.00	0.00	1	
2.02	12.66	12.66	0.00	0.00	0.00	1	
2.01	13.51	13.51	0.00	0.00	0.00	1	
2.00	14.47	14.47	0.00	0.00	0.00	1	
1.99	15.56	14.89	0.67	0.67	0.00	1	
1.98	16.65	15.30	1.35	1.35	0.00	1	
1.96	17.73	15.71	2.01	2.01	0.00	1	
1.95	18.81	16.13	2.68	2.68	0.00	1	
1.94	19.89	16.54	3.35	3.35	0.00	1	
1.93	20.96	16.95	4.01	4.01	0.00	1	
1.92	22.03	17.37	4.67	4.67	0.00	1	
1.91	23.10	17.78	5.33	5.33	0.00	1	
1.90	24.17	18.19	5.98	5.98	0.00	1	
1.89	25.24	18.60	6.64	6.63	0.00	1	
1.88	26.30	19.00	7.30	7.28	0.02	1	
1.87	27.36	19.39	7.97	7.93	0.04	1	
1.86	28.42	19.78	8.65	8.58	0.07	1	
1.85	29.48	20.15	9.33	9.22	0.11	1	
1.84	30.53	20.51	10.02	9.86	0.16	1	
1.83	31.59	20.87	10.72	10.50	0.21	1	
1.82	32.64	21.22	11.42	11.14	0.28	1	
1.81	33.69	21.56	12.13	11.78	0.35	1	
1.81	33.69	21.56	12.13	11.78	0.35	1	
1.78	36.30	22.41	13.89	13.36	0.53	1	
1.76	38.90	23.22	15.68	14.92	0.75	1	
1.73	41.49	23.99	17.49	16.48	1.01	1	
1.71	44.07	24.73	19.34	18.03	1.31	1	
1.68	46.64	25.93	20.70	19.56	1.14	1	
1.66	49.20	27.36	21.84	21.09	0.75	1	
1.63	51.74	28.69	23.06	22.60	0.45	1	
1.61	54.29	29.94	24.35	24.11	0.23	1	
1.59	56.82	31.11	25.70	25.61	0.09	1	
1.56	59.34	32.22	27.12	27.11	0.01	1	
1.54	61.86	33.27	28.59	28.59	0.00	1	
1.51	64.37	34.30	30.07	30.07	0.00	1	
1.49	66.88	35.34	31.54	31.54	0.00	1	
1.47	69.38	36.37	33.01	33.01	0.00	1	
1.44	71.87	37.40	34.46	34.46	0.00	1	
1.42	74.35	38.44	35.92	35.92	0.00	1	
1.40	76.83	39.47	37.36	37.36	0.00	1	
1.38	79.30	40.49	38.81	38.80	0.02	1	
1.35	81.76	41.46	40.30	40.23	0.07	1	
1.33	84.22	42.40	41.82	41.65	0.17	1	
1.31	86.67	43.30	43.37	43.07	0.30	1	
1.28	89.12	44.16	44.95	44.48	0.47	1	
1.26	91.56	45.00	46.55	45.89	0.66	1	
1.24	93.99	45.81	48.18	47.29	0.89	1	
1.22	96.42	46.59	49.83	48.69	1.14	1	
1.19	98.84	47.35	51.49	50.08	1.41	1	
1.17	101.26	48.09	53.18	51.47	1.71	1	
1.15	103.68	48.80	54.88	52.85	2.03	1	
1.13	106.09	49.50	56.59	54.22	2.36	1	
1.11	108.49	50.36	58.13	55.60	2.53	1	
1.08	110.89	51.74	59.15	56.96	2.19	1	
1.06	113.29	53.09	60.20	58.33	1.88	1	
1.04	115.68	54.40	61.28	59.69	1.59	1	
1.02	118.07	55.68	62.38	61.04	1.34	1	
1.00	120.45	56.94	63.51	62.39	1.12	1	
1.00	120.45	56.94	63.51	62.39	1.12	1	
0.98	122.83	58.20	64.63	63.74	0.89	1	

			b420.pso			
0.95	125.21	59.43	65.78	65.08	0.70	1
0.93	127.58	60.63	66.95	66.42	0.53	1
0.91	129.94	61.81	68.14	67.75	0.38	1
0.89	132.31	62.96	69.35	69.09	0.26	1
0.87	134.67	64.09	70.58	70.41	0.16	1
0.85	137.03	65.20	71.83	71.74	0.09	1
0.83	139.38	66.28	73.10	73.06	0.04	1
0.80	141.73	67.35	74.38	74.38	0.01	1
0.78	144.08	68.39	75.69	75.69	0.00	1
0.76	146.42	69.42	77.00	77.00	0.00	1
0.74	148.76	70.45	78.31	78.31	0.00	1
0.72	151.10	71.49	79.61	79.61	0.00	1
0.70	153.43	72.52	80.91	80.91	0.00	1
0.68	155.76	73.55	82.21	82.21	0.00	1
0.66	158.09	74.58	83.50	83.50	0.00	1
0.64	160.41	75.62	84.79	84.79	0.00	1
0.62	162.73	76.64	86.09	86.08	0.01	1
0.60	165.05	77.65	87.40	87.37	0.04	1
0.58	167.36	78.64	88.73	88.65	0.08	1
0.56	169.67	79.61	90.07	89.92	0.14	1
0.54	171.98	80.56	91.42	91.20	0.22	1
0.51	174.28	81.50	92.78	92.47	0.31	1
0.49	176.59	82.43	94.16	93.74	0.42	1
0.47	178.88	83.34	95.54	95.01	0.54	1
0.45	181.18	84.24	96.94	96.27	0.68	1
0.43	183.47	85.12	98.35	97.53	0.83	1
0.41	185.76	85.99	99.77	98.79	0.99	1
0.39	188.05	86.85	101.21	100.04	1.17	1
0.37	190.34	87.69	102.65	101.29	1.35	1
0.35	192.62	88.52	104.10	102.54	1.56	1
0.33	194.90	89.34	105.56	103.79	1.77	1
0.31	197.17	90.15	107.02	105.03	1.99	1
0.29	199.45	90.95	108.50	106.27	2.23	1
0.27	201.72	91.73	109.99	107.51	2.48	1
0.27	201.72	91.73	109.99	107.51	2.48	1
0.27	202.63	92.05	110.58	108.01	2.57	1
0.26	203.54	92.36	111.18	108.50	2.68	1
0.25	204.44	92.67	111.77	108.99	2.78	1
0.24	205.35	92.98	112.37	109.49	2.88	1
0.23	206.26	93.29	112.97	109.98	2.99	1
0.23	207.16	93.59	113.57	110.47	3.09	1
0.22	208.07	93.90	114.17	110.97	3.20	1
0.21	208.97	94.20	114.77	111.46	3.31	1
0.20	209.88	94.50	115.37	111.95	3.42	1
0.19	210.78	94.80	115.98	112.44	3.54	1
0.19	211.69	95.10	116.58	112.93	3.65	1
0.18	212.59	95.40	117.19	113.42	3.77	1
0.17	213.49	95.69	117.80	113.91	3.89	1
0.16	214.40	95.99	118.41	114.40	4.00	1
0.16	215.30	96.28	119.02	114.89	4.13	1
0.15	216.20	96.57	119.63	115.38	4.25	1
0.14	217.10	96.86	120.24	115.87	4.37	1
0.13	218.00	97.15	120.85	116.36	4.50	1
0.12	218.90	97.44	121.47	116.85	4.62	1
0.12	219.80	97.72	122.08	117.33	4.75	1
0.11	220.70	98.01	122.70	117.82	4.88	1
0.10	221.60	98.29	123.32	118.31	5.01	1
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.41	1
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.68	126.42	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.82	1

			b420.pso			
0.05	227.89	100.46	127.43	121.71	5.72	1
0.04	228.79	101.01	127.78	122.19	5.59	1
0.03	229.69	101.55	128.14	122.67	5.46	1
0.02	230.58	102.09	128.49	123.16	5.33	1
0.02	231.48	102.63	128.85	123.64	5.21	1
0.01	232.38	103.17	129.21	124.12	5.09	1
0.00	233.27	103.70	129.57	124.60	4.97	1

Time = 730. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 730. = 4.765

Settlement caused by Secondary Compression at time 730. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1

6.11	1.85	0.84	b420.pso	6.25	1.61	1.61	1
6.09	1.84	0.84		6.25	1.60	1.60	1
6.06	1.83	0.84		6.25	1.60	1.59	1
6.03	1.82	0.83		6.25	1.59	1.58	1
6.00	1.81	0.83		6.25	1.58	1.57	1
6.00	1.81	0.83		6.25	1.58	1.57	1
5.93	1.78	0.82		6.25	1.56	1.55	1
5.86	1.76	0.81		6.25	1.54	1.52	1
5.79	1.73	0.80		6.25	1.52	1.50	1
5.71	1.71	0.79		6.25	1.51	1.49	1
5.64	1.68	0.78		6.25	1.49	1.48	1
5.57	1.66	0.77		6.25	1.47	1.47	1
5.50	1.63	0.76		6.25	1.46	1.46	1
5.43	1.61	0.75		6.25	1.45	1.44	1
5.36	1.59	0.74		6.25	1.43	1.43	1
5.29	1.56	0.73		6.25	1.42	1.42	1
5.21	1.54	0.72		6.25	1.41	1.41	1
5.14	1.51	0.71		6.25	1.40	1.40	1
5.07	1.49	0.70		6.25	1.39	1.39	1
5.00	1.47	0.69		6.25	1.38	1.38	1
4.93	1.44	0.68		6.25	1.37	1.37	1
4.86	1.42	0.67		6.25	1.35	1.35	1
4.79	1.40	0.66		6.25	1.34	1.34	1
4.71	1.38	0.65		6.25	1.33	1.33	1
4.64	1.35	0.64		6.25	1.32	1.32	1
4.57	1.33	0.63		6.25	1.31	1.31	1
4.50	1.31	0.62		6.25	1.30	1.30	1
4.43	1.28	0.61		6.25	1.29	1.29	1
4.36	1.26	0.60		6.25	1.28	1.28	1
4.29	1.24	0.59		6.25	1.28	1.27	1
4.21	1.22	0.58		6.25	1.27	1.25	1
4.14	1.19	0.57		6.25	1.26	1.24	1
4.07	1.17	0.56		6.25	1.25	1.23	1
4.00	1.15	0.55		6.25	1.24	1.23	1
3.93	1.13	0.54		6.25	1.24	1.22	1
3.86	1.11	0.53		6.25	1.23	1.21	1
3.79	1.08	0.52		6.25	1.22	1.21	1
3.71	1.06	0.51		6.25	1.21	1.20	1
3.64	1.04	0.50		6.25	1.21	1.20	1
3.57	1.02	0.49		6.25	1.20	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.43	0.98	0.47		6.25	1.19	1.18	1
3.36	0.95	0.46		6.25	1.18	1.18	1
3.29	0.93	0.45		6.25	1.17	1.17	1
3.21	0.91	0.44		6.25	1.17	1.17	1
3.14	0.89	0.43		6.25	1.16	1.16	1
3.07	0.87	0.42		6.25	1.16	1.16	1
3.00	0.85	0.41		6.25	1.15	1.15	1
2.93	0.83	0.40		6.25	1.15	1.15	1
2.86	0.80	0.39		6.25	1.14	1.14	1
2.79	0.78	0.38		6.25	1.13	1.13	1
2.71	0.76	0.37		6.25	1.13	1.13	1
2.64	0.74	0.36		6.25	1.12	1.12	1
2.57	0.72	0.35		6.25	1.12	1.12	1
2.50	0.70	0.34		6.25	1.11	1.11	1
2.43	0.68	0.33		6.25	1.11	1.11	1
2.36	0.66	0.33		6.25	1.10	1.10	1
2.29	0.64	0.32		6.25	1.10	1.10	1
2.21	0.62	0.31		6.25	1.09	1.09	1
2.14	0.60	0.30		6.25	1.09	1.09	1
2.07	0.58	0.29		6.25	1.08	1.08	1
2.00	0.56	0.28		6.25	1.08	1.08	1

			b420.pso			
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1

			b420.pso			
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1
2.06	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.96	17.73	15.71	2.01	2.01	0.00	1
1.95	18.81	16.13	2.68	2.68	0.00	1
1.94	19.89	16.54	3.35	3.35	0.00	1
1.93	20.96	16.95	4.01	4.01	0.00	1
1.92	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.78	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.73	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.68	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.63	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.56	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.51	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.44	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.49	38.81	38.80	0.02	1
1.35	81.76	41.46	40.30	40.23	0.07	1
1.33	84.22	42.40	41.82	41.65	0.17	1
1.31	86.67	43.30	43.37	43.07	0.30	1
1.28	89.12	44.16	44.95	44.48	0.47	1
1.26	91.56	45.00	46.55	45.89	0.66	1
1.24	93.99	45.81	48.18	47.29	0.89	1
1.22	96.42	46.59	49.83	48.69	1.14	1
1.19	98.84	47.35	51.49	50.08	1.41	1
1.17	101.26	48.09	53.18	51.47	1.71	1
1.15	103.68	48.80	54.88	52.85	2.03	1
1.13	106.09	49.50	56.59	54.22	2.36	1
1.11	108.49	50.36	58.13	55.60	2.53	1
1.08	110.89	51.74	59.15	56.96	2.19	1
1.06	113.29	53.09	60.20	58.33	1.88	1
1.04	115.68	54.40	61.28	59.69	1.59	1
1.02	118.07	55.68	62.38	61.04	1.34	1

1.00	120.45	56.94	63.51	62.39	1.12	1
1.00	120.45	56.94	63.51	62.39	1.12	1
0.98	122.83	58.20	64.63	63.74	0.89	1
0.95	125.21	59.43	65.78	65.08	0.70	1
0.93	127.58	60.63	66.95	66.42	0.53	1
0.91	129.94	61.81	68.14	67.75	0.38	1
0.89	132.31	62.96	69.35	69.09	0.26	1
0.87	134.67	64.09	70.58	70.41	0.16	1
0.85	137.03	65.20	71.83	71.74	0.09	1
0.83	139.38	66.28	73.10	73.06	0.04	1
0.80	141.73	67.35	74.38	74.38	0.01	1
0.78	144.08	68.39	75.69	75.69	0.00	1
0.76	146.42	69.42	77.00	77.00	0.00	1
0.74	148.76	70.45	78.31	78.31	0.00	1
0.72	151.10	71.49	79.61	79.61	0.00	1
0.70	153.43	72.52	80.91	80.91	0.00	1
0.68	155.76	73.55	82.21	82.21	0.00	1
0.66	158.09	74.58	83.50	83.50	0.00	1
0.64	160.41	75.62	84.79	84.79	0.00	1
0.62	162.73	76.64	86.09	86.08	0.01	1
0.60	165.05	77.65	87.40	87.37	0.04	1
0.58	167.36	78.64	88.73	88.65	0.08	1
0.56	169.67	79.61	90.06	89.92	0.14	1
0.54	171.98	80.56	91.42	91.20	0.22	1
0.51	174.28	81.51	92.78	92.47	0.31	1
0.49	176.59	82.43	94.16	93.74	0.42	1
0.47	178.88	83.34	95.54	95.01	0.54	1
0.45	181.18	84.24	96.94	96.27	0.67	1
0.43	183.47	85.12	98.35	97.53	0.82	1
0.41	185.76	85.99	99.77	98.79	0.99	1
0.39	188.05	86.85	101.20	100.04	1.16	1
0.37	190.34	87.69	102.64	101.29	1.35	1
0.35	192.62	88.52	104.09	102.54	1.55	1
0.33	194.90	89.34	105.55	103.79	1.77	1
0.31	197.17	90.15	107.02	105.03	1.99	1
0.29	199.45	90.95	108.50	106.27	2.23	1
0.27	201.72	91.73	109.99	107.51	2.47	1
0.27	201.72	91.73	109.99	107.51	2.47	1
0.27	202.63	92.05	110.58	108.01	2.57	1
0.26	203.53	92.36	111.17	108.50	2.67	1
0.25	204.44	92.67	111.77	108.99	2.77	1
0.24	205.35	92.98	112.37	109.49	2.88	1
0.23	206.26	93.29	112.97	109.98	2.98	1
0.23	207.16	93.60	113.57	110.47	3.09	1
0.22	208.07	93.90	114.17	110.97	3.20	1
0.21	208.97	94.20	114.77	111.46	3.31	1
0.20	209.88	94.50	115.37	111.95	3.42	1
0.19	210.78	94.80	115.98	112.44	3.53	1
0.19	211.69	95.10	116.58	112.93	3.65	1
0.18	212.59	95.40	117.19	113.42	3.77	1
0.17	213.49	95.70	117.80	113.91	3.88	1
0.16	214.39	95.99	118.41	114.40	4.00	1
0.16	215.30	96.28	119.02	114.89	4.12	1
0.15	216.20	96.57	119.63	115.38	4.24	1
0.14	217.10	96.86	120.24	115.87	4.37	1
0.13	218.00	97.15	120.85	116.36	4.49	1
0.12	218.90	97.44	121.47	116.85	4.62	1
0.12	219.80	97.72	122.08	117.33	4.75	1
0.11	220.70	98.01	122.70	117.82	4.88	1
0.10	221.60	98.29	123.31	118.31	5.01	1
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.40	1

			b420.pso			
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.69	126.41	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.81	1
0.05	227.89	100.47	127.42	121.71	5.72	1
0.04	228.79	101.02	127.78	122.19	5.59	1
0.03	229.69	101.56	128.13	122.67	5.46	1
0.02	230.58	102.10	128.49	123.16	5.33	1
0.02	231.48	102.64	128.84	123.64	5.20	1
0.01	232.38	103.17	129.20	124.12	5.08	1
0.00	233.27	103.71	129.56	124.60	4.96	1

Time = 1095. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 1095. = 4.765

Settlement caused by Secondary Compression at time 1095. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****			***** Void Ratios *****			
A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1

6.20	1.88	0.86	b420.pso	6.25	1.64	1.64	1
6.17	1.87	0.85		6.25	1.63	1.63	1
6.14	1.86	0.85		6.25	1.62	1.62	1
6.11	1.85	0.84		6.25	1.61	1.61	1
6.09	1.84	0.84		6.25	1.60	1.60	1
6.06	1.83	0.84		6.25	1.60	1.59	1
6.03	1.82	0.83		6.25	1.59	1.58	1
6.00	1.81	0.83		6.25	1.58	1.57	1
6.00	1.81	0.83		6.25	1.58	1.57	1
5.93	1.78	0.82		6.25	1.56	1.55	1
5.86	1.76	0.81		6.25	1.54	1.52	1
5.79	1.73	0.80		6.25	1.52	1.50	1
5.71	1.71	0.79		6.25	1.51	1.49	1
5.64	1.68	0.78		6.25	1.49	1.48	1
5.57	1.66	0.77		6.25	1.47	1.47	1
5.50	1.63	0.76		6.25	1.46	1.46	1
5.43	1.61	0.75		6.25	1.45	1.44	1
5.36	1.59	0.74		6.25	1.43	1.43	1
5.29	1.56	0.73		6.25	1.42	1.42	1
5.21	1.54	0.72		6.25	1.41	1.41	1
5.14	1.51	0.71		6.25	1.40	1.40	1
5.07	1.49	0.70		6.25	1.39	1.39	1
5.00	1.47	0.69		6.25	1.38	1.38	1
4.93	1.44	0.68		6.25	1.37	1.37	1
4.86	1.42	0.67		6.25	1.35	1.35	1
4.79	1.40	0.66		6.25	1.34	1.34	1
4.71	1.38	0.65		6.25	1.33	1.33	1
4.64	1.35	0.64		6.25	1.32	1.32	1
4.57	1.33	0.63		6.25	1.31	1.31	1
4.50	1.31	0.62		6.25	1.30	1.30	1
4.43	1.28	0.61		6.25	1.29	1.29	1
4.36	1.26	0.60		6.25	1.28	1.28	1
4.29	1.24	0.59		6.25	1.28	1.27	1
4.21	1.22	0.58		6.25	1.27	1.25	1
4.14	1.19	0.57		6.25	1.26	1.24	1
4.07	1.17	0.56		6.25	1.25	1.23	1
4.00	1.15	0.55		6.25	1.24	1.23	1
3.93	1.13	0.54		6.25	1.24	1.22	1
3.86	1.11	0.53		6.25	1.23	1.21	1
3.79	1.08	0.52		6.25	1.22	1.21	1
3.71	1.06	0.51		6.25	1.21	1.20	1
3.64	1.04	0.50		6.25	1.21	1.20	1
3.57	1.02	0.49		6.25	1.20	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.50	1.00	0.48		6.25	1.19	1.19	1
3.43	0.98	0.47		6.25	1.19	1.18	1
3.36	0.95	0.46		6.25	1.18	1.18	1
3.29	0.93	0.45		6.25	1.17	1.17	1
3.21	0.91	0.44		6.25	1.17	1.17	1
3.14	0.89	0.43		6.25	1.16	1.16	1
3.07	0.87	0.42		6.25	1.16	1.16	1
3.00	0.85	0.41		6.25	1.15	1.15	1
2.93	0.83	0.40		6.25	1.15	1.15	1
2.86	0.80	0.39		6.25	1.14	1.14	1
2.79	0.78	0.38		6.25	1.13	1.13	1
2.71	0.76	0.37		6.25	1.13	1.13	1
2.64	0.74	0.36		6.25	1.12	1.12	1
2.57	0.72	0.35		6.25	1.12	1.12	1
2.50	0.70	0.34		6.25	1.11	1.11	1
2.43	0.68	0.33		6.25	1.11	1.11	1
2.36	0.66	0.33		6.25	1.10	1.10	1
2.29	0.64	0.32		6.25	1.10	1.10	1
2.21	0.62	0.31		6.25	1.09	1.09	1

			b420.pso			
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.08	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1

			b420.pso			
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1
2.06	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.96	17.73	15.71	2.01	2.01	0.00	1
1.95	18.81	16.13	2.68	2.68	0.00	1
1.94	19.89	16.54	3.35	3.35	0.00	1
1.93	20.96	16.95	4.01	4.01	0.00	1
1.92	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.78	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.73	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.68	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.63	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.56	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.51	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.44	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.49	38.81	38.80	0.02	1
1.35	81.76	41.46	40.30	40.23	0.07	1
1.33	84.22	42.40	41.82	41.65	0.17	1
1.31	86.67	43.30	43.37	43.07	0.30	1
1.28	89.12	44.16	44.95	44.48	0.47	1
1.26	91.56	45.00	46.55	45.89	0.66	1
1.24	93.99	45.81	48.18	47.29	0.89	1
1.22	96.42	46.59	49.83	48.69	1.14	1
1.19	98.84	47.35	51.49	50.08	1.41	1
1.17	101.26	48.09	53.18	51.47	1.71	1
1.15	103.68	48.80	54.88	52.85	2.03	1
1.13	106.09	49.50	56.59	54.22	2.36	1
1.11	108.49	50.36	58.13	55.60	2.53	1
1.08	110.89	51.74	59.15	56.96	2.19	1

1.06	113.29	53.09	b420.pso	60.20	58.33	1.88	1
1.04	115.68	54.40		61.28	59.69	1.59	1
1.02	118.07	55.68		62.38	61.04	1.34	1
1.00	120.45	56.94		63.51	62.39	1.12	1
1.00	120.45	56.94		63.51	62.39	1.12	1
0.98	122.83	58.20		64.63	63.74	0.89	1
0.95	125.21	59.43		65.78	65.08	0.70	1
0.93	127.58	60.63		66.95	66.42	0.53	1
0.91	129.94	61.81		68.14	67.75	0.38	1
0.89	132.31	62.96		69.35	69.09	0.26	1
0.87	134.67	64.09		70.58	70.41	0.16	1
0.85	137.03	65.20		71.83	71.74	0.09	1
0.83	139.38	66.28		73.10	73.06	0.04	1
0.80	141.73	67.35		74.38	74.38	0.01	1
0.78	144.08	68.39		75.69	75.69	0.00	1
0.76	146.42	69.42		77.00	77.00	0.00	1
0.74	148.76	70.45		78.31	78.31	0.00	1
0.72	151.10	71.49		79.61	79.61	0.00	1
0.70	153.43	72.52		80.91	80.91	0.00	1
0.68	155.76	73.55		82.21	82.21	0.00	1
0.66	158.09	74.58		83.50	83.50	0.00	1
0.64	160.41	75.62		84.79	84.79	0.00	1
0.62	162.73	76.64		86.09	86.08	0.01	1
0.60	165.05	77.65		87.40	87.37	0.04	1
0.58	167.36	78.64		88.73	88.65	0.08	1
0.56	169.67	79.61		90.06	89.92	0.14	1
0.54	171.98	80.56		91.42	91.20	0.22	1
0.51	174.28	81.51		92.78	92.47	0.31	1
0.49	176.59	82.43		94.16	93.74	0.42	1
0.47	178.88	83.34		95.54	95.01	0.54	1
0.45	181.18	84.24		96.94	96.27	0.67	1
0.43	183.47	85.12		98.35	97.53	0.82	1
0.41	185.76	85.99		99.77	98.79	0.99	1
0.39	188.05	86.85	101.20	100.04	1.16	1	
0.37	190.34	87.69	102.64	101.29	1.35	1	
0.35	192.62	88.52	104.09	102.54	1.55	1	
0.33	194.90	89.34	105.55	103.79	1.77	1	
0.31	197.17	90.15	107.02	105.03	1.99	1	
0.29	199.45	90.95	108.50	106.27	2.23	1	
0.27	201.72	91.73	109.99	107.51	2.47	1	
0.27	201.72	91.73	109.99	107.51	2.47	1	
0.27	202.63	92.05	110.58	108.01	2.57	1	
0.26	203.53	92.36	111.17	108.50	2.67	1	
0.25	204.44	92.67	111.77	108.99	2.77	1	
0.24	205.35	92.98	112.37	109.49	2.88	1	
0.23	206.26	93.29	112.97	109.98	2.98	1	
0.23	207.16	93.60	113.57	110.47	3.09	1	
0.22	208.07	93.90	114.17	110.97	3.20	1	
0.21	208.97	94.20	114.77	111.46	3.31	1	
0.20	209.88	94.50	115.37	111.95	3.42	1	
0.19	210.78	94.80	115.98	112.44	3.53	1	
0.19	211.69	95.10	116.58	112.93	3.65	1	
0.18	212.59	95.40	117.19	113.42	3.77	1	
0.17	213.49	95.70	117.80	113.91	3.88	1	
0.16	214.39	95.99	118.41	114.40	4.00	1	
0.16	215.30	96.28	119.02	114.89	4.12	1	
0.15	216.20	96.57	119.63	115.38	4.24	1	
0.14	217.10	96.86	120.24	115.87	4.37	1	
0.13	218.00	97.15	120.85	116.36	4.49	1	
0.12	218.90	97.44	121.47	116.85	4.62	1	
0.12	219.80	97.72	122.08	117.33	4.75	1	
0.11	220.70	98.01	122.70	117.82	4.88	1	
0.10	221.60	98.29	123.31	118.31	5.01	1	

			b420.pso			
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.40	1
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.69	126.41	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.81	1
0.05	227.89	100.47	127.42	121.71	5.72	1
0.04	228.79	101.02	127.78	122.19	5.59	1
0.03	229.69	101.56	128.13	122.67	5.46	1
0.02	230.58	102.10	128.49	123.16	5.33	1
0.02	231.48	102.64	128.84	123.64	5.20	1
0.01	232.38	103.17	129.20	124.12	5.08	1
0.00	233.27	103.71	129.56	124.60	4.96	1

Time = 1825. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 1825. = 4.765

Settlement caused by Secondary Compression at time 1825. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

*****Current Conditions in Dredged Fill*****

***** Coordinates *****

***** Void Ratios *****

A	XI	Z	Einitial	E	Eeop	Material
7.00	2.18	0.97	6.25	1.75	1.75	1
6.97	2.17	0.96	6.25	1.75	1.75	1
6.94	2.16	0.96	6.25	1.75	1.75	1
6.91	2.15	0.95	6.25	1.75	1.75	1
6.89	2.14	0.95	6.25	1.75	1.75	1
6.86	2.13	0.95	6.25	1.75	1.75	1
6.83	2.12	0.94	6.25	1.75	1.75	1
6.80	2.11	0.94	6.25	1.75	1.75	1
6.77	2.09	0.93	6.25	1.75	1.75	1
6.74	2.08	0.93	6.25	1.75	1.75	1
6.71	2.07	0.93	6.25	1.75	1.75	1
6.69	2.06	0.92	6.25	1.75	1.75	1
6.66	2.05	0.92	6.25	1.75	1.75	1
6.63	2.04	0.91	6.25	1.75	1.75	1
6.60	2.03	0.91	6.25	1.75	1.75	1
6.57	2.02	0.91	6.25	1.75	1.75	1
6.54	2.01	0.90	6.25	1.75	1.75	1
6.51	2.00	0.90	6.25	1.75	1.75	1
6.49	1.99	0.89	6.25	1.74	1.74	1
6.46	1.98	0.89	6.25	1.73	1.73	1
6.43	1.96	0.89	6.25	1.72	1.72	1
6.40	1.95	0.88	6.25	1.71	1.71	1
6.37	1.94	0.88	6.25	1.70	1.70	1
6.34	1.93	0.87	6.25	1.69	1.69	1
6.31	1.92	0.87	6.25	1.68	1.68	1

			b420.pso			
6.29	1.91	0.87	6.25	1.67	1.67	1
6.26	1.90	0.86	6.25	1.66	1.66	1
6.23	1.89	0.86	6.25	1.65	1.65	1
6.20	1.88	0.86	6.25	1.64	1.64	1
6.17	1.87	0.85	6.25	1.63	1.63	1
6.14	1.86	0.85	6.25	1.62	1.62	1
6.11	1.85	0.84	6.25	1.61	1.61	1
6.09	1.84	0.84	6.25	1.60	1.60	1
6.06	1.83	0.84	6.25	1.60	1.59	1
6.03	1.82	0.83	6.25	1.59	1.58	1
6.00	1.81	0.83	6.25	1.58	1.57	1
6.00	1.81	0.83	6.25	1.58	1.57	1
5.93	1.78	0.82	6.25	1.56	1.55	1
5.86	1.76	0.81	6.25	1.54	1.52	1
5.79	1.73	0.80	6.25	1.52	1.50	1
5.71	1.71	0.79	6.25	1.51	1.49	1
5.64	1.68	0.78	6.25	1.49	1.48	1
5.57	1.66	0.77	6.25	1.47	1.47	1
5.50	1.63	0.76	6.25	1.46	1.46	1
5.43	1.61	0.75	6.25	1.45	1.44	1
5.36	1.59	0.74	6.25	1.43	1.43	1
5.29	1.56	0.73	6.25	1.42	1.42	1
5.21	1.54	0.72	6.25	1.41	1.41	1
5.14	1.51	0.71	6.25	1.40	1.40	1
5.07	1.49	0.70	6.25	1.39	1.39	1
5.00	1.47	0.69	6.25	1.38	1.38	1
4.93	1.44	0.68	6.25	1.37	1.37	1
4.86	1.42	0.67	6.25	1.35	1.35	1
4.79	1.40	0.66	6.25	1.34	1.34	1
4.71	1.38	0.65	6.25	1.33	1.33	1
4.64	1.35	0.64	6.25	1.32	1.32	1
4.57	1.33	0.63	6.25	1.31	1.31	1
4.50	1.31	0.62	6.25	1.30	1.30	1
4.43	1.28	0.61	6.25	1.29	1.29	1
4.36	1.26	0.60	6.25	1.28	1.28	1
4.29	1.24	0.59	6.25	1.28	1.27	1
4.21	1.22	0.58	6.25	1.27	1.25	1
4.14	1.19	0.57	6.25	1.26	1.24	1
4.07	1.17	0.56	6.25	1.25	1.23	1
4.00	1.15	0.55	6.25	1.24	1.23	1
3.93	1.13	0.54	6.25	1.24	1.22	1
3.86	1.11	0.53	6.25	1.23	1.21	1
3.79	1.08	0.52	6.25	1.22	1.21	1
3.71	1.06	0.51	6.25	1.21	1.20	1
3.64	1.04	0.50	6.25	1.21	1.20	1
3.57	1.02	0.49	6.25	1.20	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.50	1.00	0.48	6.25	1.19	1.19	1
3.43	0.98	0.47	6.25	1.19	1.18	1
3.36	0.95	0.46	6.25	1.18	1.18	1
3.29	0.93	0.45	6.25	1.17	1.17	1
3.21	0.91	0.44	6.25	1.17	1.17	1
3.14	0.89	0.43	6.25	1.16	1.16	1
3.07	0.87	0.42	6.25	1.16	1.16	1
3.00	0.85	0.41	6.25	1.15	1.15	1
2.93	0.83	0.40	6.25	1.15	1.15	1
2.86	0.80	0.39	6.25	1.14	1.14	1
2.79	0.78	0.38	6.25	1.13	1.13	1
2.71	0.76	0.37	6.25	1.13	1.13	1
2.64	0.74	0.36	6.25	1.12	1.12	1
2.57	0.72	0.35	6.25	1.12	1.12	1
2.50	0.70	0.34	6.25	1.11	1.11	1
2.43	0.68	0.33	6.25	1.11	1.11	1

			b420.pso			
2.36	0.66	0.33	6.25	1.10	1.10	1
2.29	0.64	0.32	6.25	1.10	1.10	1
2.21	0.62	0.31	6.25	1.09	1.09	1
2.14	0.60	0.30	6.25	1.09	1.09	1
2.07	0.58	0.29	6.25	1.08	1.08	1
2.00	0.56	0.28	6.25	1.08	1.08	1
1.93	0.54	0.27	6.25	1.07	1.07	1
1.86	0.51	0.26	6.25	1.07	1.06	1
1.79	0.49	0.25	6.25	1.06	1.06	1
1.71	0.47	0.24	6.25	1.06	1.05	1
1.64	0.45	0.23	6.25	1.05	1.05	1
1.57	0.43	0.22	6.25	1.05	1.04	1
1.50	0.41	0.21	6.25	1.04	1.04	1
1.43	0.39	0.20	6.25	1.04	1.03	1
1.36	0.37	0.19	6.25	1.03	1.03	1
1.29	0.35	0.18	6.25	1.03	1.02	1
1.21	0.33	0.17	6.25	1.03	1.02	1
1.14	0.31	0.16	6.25	1.02	1.01	1
1.07	0.29	0.15	6.25	1.02	1.01	1
1.00	0.27	0.14	6.25	1.01	1.00	1
1.00	0.27	0.14	6.25	1.01	1.00	1
0.97	0.27	0.13	6.25	1.01	1.00	1
0.94	0.26	0.13	6.25	1.01	1.00	1
0.91	0.25	0.13	6.25	1.01	0.99	1
0.89	0.24	0.12	6.25	1.01	0.99	1
0.86	0.23	0.12	6.25	1.00	0.99	1
0.83	0.23	0.11	6.25	1.00	0.99	1
0.80	0.22	0.11	6.25	1.00	0.99	1
0.77	0.21	0.11	6.25	1.00	0.98	1
0.74	0.20	0.10	6.25	1.00	0.98	1
0.71	0.19	0.10	6.25	1.00	0.98	1
0.69	0.19	0.09	6.25	1.00	0.98	1
0.66	0.18	0.09	6.25	0.99	0.97	1
0.63	0.17	0.09	6.25	0.99	0.97	1
0.60	0.16	0.08	6.25	0.99	0.97	1
0.57	0.16	0.08	6.25	0.99	0.97	1
0.54	0.15	0.07	6.25	0.99	0.97	1
0.51	0.14	0.07	6.25	0.99	0.97	1
0.49	0.13	0.07	6.25	0.98	0.97	1
0.46	0.12	0.06	6.25	0.98	0.96	1
0.43	0.12	0.06	6.25	0.98	0.96	1
0.40	0.11	0.06	6.25	0.98	0.96	1
0.37	0.10	0.05	6.25	0.98	0.96	1
0.34	0.09	0.05	6.25	0.98	0.96	1
0.31	0.09	0.04	6.25	0.98	0.96	1
0.29	0.08	0.04	6.25	0.97	0.96	1
0.26	0.07	0.04	6.25	0.97	0.96	1
0.23	0.06	0.03	6.25	0.97	0.96	1
0.20	0.05	0.03	6.25	0.97	0.95	1
0.17	0.05	0.02	6.25	0.97	0.95	1
0.14	0.04	0.02	6.25	0.97	0.95	1
0.11	0.03	0.02	6.25	0.97	0.95	1
0.09	0.02	0.01	6.25	0.96	0.95	1
0.06	0.02	0.01	6.25	0.96	0.95	1
0.03	0.01	0.00	6.25	0.96	0.95	1
0.00	0.00	0.00	6.25	0.96	0.95	1

***** Stresses *****

***** Pore Pressures *****

XI	Total	Effective	Total	Static	Excess	Material
2.18	0.00	0.00	0.00	0.00	0.00	1
2.17	0.84	0.84	0.00	0.00	0.00	1

			b420.pso			
2.16	1.69	1.69	0.00	0.00	0.00	1
2.15	2.53	2.53	0.00	0.00	0.00	1
2.14	3.38	3.38	0.00	0.00	0.00	1
2.13	4.22	4.22	0.00	0.00	0.00	1
2.12	5.06	5.06	0.00	0.00	0.00	1
2.11	5.91	5.91	0.00	0.00	0.00	1
2.09	6.75	6.75	0.00	0.00	0.00	1
2.08	7.60	7.60	0.00	0.00	0.00	1
2.07	8.44	8.44	0.00	0.00	0.00	1
2.06	9.28	9.28	0.00	0.00	0.00	1
2.05	10.13	10.13	0.00	0.00	0.00	1
2.04	10.97	10.97	0.00	0.00	0.00	1
2.03	11.82	11.82	0.00	0.00	0.00	1
2.02	12.66	12.66	0.00	0.00	0.00	1
2.01	13.51	13.51	0.00	0.00	0.00	1
2.00	14.47	14.47	0.00	0.00	0.00	1
1.99	15.56	14.89	0.67	0.67	0.00	1
1.98	16.65	15.30	1.35	1.35	0.00	1
1.96	17.73	15.71	2.01	2.01	0.00	1
1.95	18.81	16.13	2.68	2.68	0.00	1
1.94	19.89	16.54	3.35	3.35	0.00	1
1.93	20.96	16.95	4.01	4.01	0.00	1
1.92	22.03	17.37	4.67	4.67	0.00	1
1.91	23.10	17.78	5.33	5.33	0.00	1
1.90	24.17	18.19	5.98	5.98	0.00	1
1.89	25.24	18.60	6.64	6.63	0.00	1
1.88	26.30	19.00	7.30	7.28	0.02	1
1.87	27.36	19.39	7.97	7.93	0.04	1
1.86	28.42	19.78	8.65	8.58	0.07	1
1.85	29.48	20.15	9.33	9.22	0.11	1
1.84	30.53	20.51	10.02	9.86	0.16	1
1.83	31.59	20.87	10.72	10.50	0.21	1
1.82	32.64	21.22	11.42	11.14	0.28	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.81	33.69	21.56	12.13	11.78	0.35	1
1.78	36.30	22.41	13.89	13.36	0.53	1
1.76	38.90	23.22	15.68	14.92	0.75	1
1.73	41.49	23.99	17.49	16.48	1.01	1
1.71	44.07	24.73	19.34	18.03	1.31	1
1.68	46.64	25.93	20.70	19.56	1.14	1
1.66	49.20	27.36	21.84	21.09	0.75	1
1.63	51.74	28.69	23.06	22.60	0.45	1
1.61	54.29	29.94	24.35	24.11	0.23	1
1.59	56.82	31.11	25.70	25.61	0.09	1
1.56	59.34	32.22	27.12	27.11	0.01	1
1.54	61.86	33.27	28.59	28.59	0.00	1
1.51	64.37	34.30	30.07	30.07	0.00	1
1.49	66.88	35.34	31.54	31.54	0.00	1
1.47	69.38	36.37	33.01	33.01	0.00	1
1.44	71.87	37.40	34.46	34.46	0.00	1
1.42	74.35	38.44	35.92	35.92	0.00	1
1.40	76.83	39.47	37.36	37.36	0.00	1
1.38	79.30	40.49	38.81	38.80	0.02	1
1.35	81.76	41.46	40.30	40.23	0.07	1
1.33	84.22	42.40	41.82	41.65	0.17	1
1.31	86.67	43.30	43.37	43.07	0.30	1
1.28	89.12	44.16	44.95	44.48	0.47	1
1.26	91.56	45.00	46.55	45.89	0.66	1
1.24	93.99	45.81	48.18	47.29	0.89	1
1.22	96.42	46.59	49.83	48.69	1.14	1
1.19	98.84	47.35	51.49	50.08	1.41	1
1.17	101.26	48.09	53.18	51.47	1.71	1
1.15	103.68	48.80	54.88	52.85	2.03	1

1.13	106.09	49.50	b420.pso	56.59	54.22	2.36	1
1.11	108.49	50.36		58.13	55.60	2.53	1
1.08	110.89	51.74		59.15	56.96	2.19	1
1.06	113.29	53.09		60.20	58.33	1.88	1
1.04	115.68	54.40		61.28	59.69	1.59	1
1.02	118.07	55.68		62.38	61.04	1.34	1
1.00	120.45	56.94		63.51	62.39	1.12	1
1.00	120.45	56.94		63.51	62.39	1.12	1
0.98	122.83	58.20		64.63	63.74	0.89	1
0.95	125.21	59.43		65.78	65.08	0.70	1
0.93	127.58	60.63		66.95	66.42	0.53	1
0.91	129.94	61.81		68.14	67.75	0.38	1
0.89	132.31	62.96		69.35	69.09	0.26	1
0.87	134.67	64.09		70.58	70.41	0.16	1
0.85	137.03	65.20		71.83	71.74	0.09	1
0.83	139.38	66.28		73.10	73.06	0.04	1
0.80	141.73	67.35		74.38	74.38	0.01	1
0.78	144.08	68.39		75.69	75.69	0.00	1
0.76	146.42	69.42		77.00	77.00	0.00	1
0.74	148.76	70.45		78.31	78.31	0.00	1
0.72	151.10	71.49		79.61	79.61	0.00	1
0.70	153.43	72.52		80.91	80.91	0.00	1
0.68	155.76	73.55		82.21	82.21	0.00	1
0.66	158.09	74.58		83.50	83.50	0.00	1
0.64	160.41	75.62		84.79	84.79	0.00	1
0.62	162.73	76.64		86.09	86.08	0.01	1
0.60	165.05	77.65		87.40	87.37	0.04	1
0.58	167.36	78.64		88.73	88.65	0.08	1
0.56	169.67	79.61		90.06	89.92	0.14	1
0.54	171.98	80.56		91.42	91.20	0.22	1
0.51	174.28	81.51		92.78	92.47	0.31	1
0.49	176.59	82.43		94.16	93.74	0.42	1
0.47	178.88	83.34		95.54	95.01	0.54	1
0.45	181.18	84.24		96.94	96.27	0.67	1
0.43	183.47	85.12		98.35	97.53	0.82	1
0.41	185.76	85.99		99.77	98.79	0.99	1
0.39	188.05	86.85		101.20	100.04	1.16	1
0.37	190.34	87.69		102.64	101.29	1.35	1
0.35	192.62	88.52		104.09	102.54	1.55	1
0.33	194.90	89.34		105.55	103.79	1.77	1
0.31	197.17	90.15		107.02	105.03	1.99	1
0.29	199.45	90.95		108.50	106.27	2.23	1
0.27	201.72	91.73		109.99	107.51	2.47	1
0.27	201.72	91.73		109.99	107.51	2.47	1
0.27	202.63	92.05		110.58	108.01	2.57	1
0.26	203.53	92.36		111.17	108.50	2.67	1
0.25	204.44	92.67		111.77	108.99	2.77	1
0.24	205.35	92.98		112.37	109.49	2.88	1
0.23	206.26	93.29		112.97	109.98	2.98	1
0.23	207.16	93.60		113.57	110.47	3.09	1
0.22	208.07	93.90		114.17	110.97	3.20	1
0.21	208.97	94.20		114.77	111.46	3.31	1
0.20	209.88	94.50		115.37	111.95	3.42	1
0.19	210.78	94.80		115.98	112.44	3.53	1
0.19	211.69	95.10		116.58	112.93	3.65	1
0.18	212.59	95.40		117.19	113.42	3.77	1
0.17	213.49	95.70		117.80	113.91	3.88	1
0.16	214.39	95.99		118.41	114.40	4.00	1
0.16	215.30	96.28		119.02	114.89	4.12	1
0.15	216.20	96.57		119.63	115.38	4.24	1
0.14	217.10	96.86		120.24	115.87	4.37	1
0.13	218.00	97.15		120.85	116.36	4.49	1
0.12	218.90	97.44		121.47	116.85	4.62	1

			b420.pso			
0.12	219.80	97.72	122.08	117.33	4.75	1
0.11	220.70	98.01	122.70	117.82	4.88	1
0.10	221.60	98.29	123.31	118.31	5.01	1
0.09	222.50	98.57	123.93	118.79	5.14	1
0.09	223.40	98.85	124.55	119.28	5.27	1
0.08	224.30	99.13	125.17	119.77	5.40	1
0.07	225.20	99.41	125.79	120.25	5.54	1
0.06	226.10	99.69	126.41	120.74	5.68	1
0.05	227.00	99.96	127.04	121.22	5.81	1
0.05	227.89	100.47	127.42	121.71	5.72	1
0.04	228.79	101.02	127.78	122.19	5.59	1
0.03	229.69	101.56	128.13	122.67	5.46	1
0.02	230.58	102.10	128.49	123.16	5.33	1
0.02	231.48	102.64	128.84	123.64	5.20	1
0.01	232.38	103.17	129.20	124.12	5.08	1
0.00	233.27	103.71	129.56	124.60	4.96	1

Time = 3650. Degree of Consolidation = 99.0%

Total Settlement = 4.819

Settlement at End of Primary Consolidation = 4.825

Settlement caused by Primary Consolidation at time 3650. = 4.765

Settlement caused by Secondary Compression at time 3650. = 0.000

Settlement Due to Desiccation = 0.054

Surface Elevation = 1.43

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 3 Marsh Calcs EI +2.0 feet.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	150
11	Stage 11	180
12	Stage 12	240
13	Stage 13	270
14	Stage 14	365
15	Stage 15	730
16	Stage 16	1095
17	Stage 17	1825
18	Stage 18	3650
19	Stage 19	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.051376
Loading Stress XX [ksf]	-0.00840082	0.0399615
Loading Stress YY [ksf]	-0.00910685	0.0394335
Effective Stress ZZ [ksf]	-2.45711e-019	1.428
Effective Stress XX [ksf]	-0.00840082	1.46064
Effective Stress YY [ksf]	-0.00910685	1.46064
Total Stress ZZ [ksf]	0	3.35137
Total Stress XX [ksf]	-0.00840082	3.38401
Total Stress YY [ksf]	-0.00910685	3.38401
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.92337
Excess Pore Water Pressure [ksf]	0	0.051376
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.58	10
Void Ratio	0.92	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	1.78291
Total Consolidation Settlement [in]	0	1.78291
Virgin Consolidation Settlement [in]	0	0.69229
Recompression Consolidation Settlement [in]	0	1.09062
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.146016
Loading Stress XX [ksf]	-0.023876	0.113575
Loading Stress YY [ksf]	-0.0258826	0.112074
Effective Stress ZZ [ksf]	-6.14268e-011	1.44809
Effective Stress XX [ksf]	-0.023876	1.53161
Effective Stress YY [ksf]	-0.0258826	1.53161
Total Stress ZZ [ksf]	0	3.44599
Total Stress XX [ksf]	-0.023876	3.52951
Total Stress YY [ksf]	-0.0258826	3.52951
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	11520.9
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	11520.9
Total Strain	-2.06494e-008	0.379519
Pore Water Pressure [ksf]	-3.28025e-005	1.9979
Excess Pore Water Pressure [ksf]	0	0.146015
Degree of Consolidation [%]	0	40.4011
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10
Void Ratio	0.918163	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00413017

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.2578
Total Consolidation Settlement [in]	0	3.2578
Virgin Consolidation Settlement [in]	0	1.37678
Recompression Consolidation Settlement [in]	0	1.88102
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.237952
Loading Stress XX [ksf]	-0.038909	0.185085
Loading Stress YY [ksf]	-0.0421791	0.182639
Effective Stress ZZ [ksf]	-4.83339e-011	1.49567
Effective Stress XX [ksf]	-0.038909	1.62992
Effective Stress YY [ksf]	-0.0421791	1.62992
Total Stress ZZ [ksf]	0	3.53791
Total Stress XX [ksf]	-0.0389091	3.67216
Total Stress YY [ksf]	-0.0421791	3.67216
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5703.25
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5703.25
Total Strain	-7.61473e-008	0.52015
Pore Water Pressure [ksf]	-0.000115572	2.04224
Excess Pore Water Pressure [ksf]	0	0.23785
Degree of Consolidation [%]	0	53.1683
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10
Void Ratio	0.915452	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00968454

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.47512
Total Consolidation Settlement [in]	0	4.47512
Virgin Consolidation Settlement [in]	0	2.00991
Recompression Consolidation Settlement [in]	0	2.46521
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.2704
Loading Stress XX [ksf]	-0.0442148	0.210324
Loading Stress YY [ksf]	-0.0479308	0.207545
Effective Stress ZZ [ksf]	0	1.55711
Effective Stress XX [ksf]	-0.0442148	1.70564
Effective Stress YY [ksf]	-0.0479308	1.70564
Total Stress ZZ [ksf]	0	3.57036
Total Stress XX [ksf]	-0.0442148	3.71889
Total Stress YY [ksf]	-0.0479308	3.71889
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	3445.42
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3445.42
Total Strain	-1.46975e-007	0.578796
Pore Water Pressure [ksf]	-0.000153775	2.01325
Excess Pore Water Pressure [ksf]	0	0.26966
Degree of Consolidation [%]	0	73.6917
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.913211	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0166957

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.67709
Total Consolidation Settlement [in]	0	4.67709
Virgin Consolidation Settlement [in]	0	2.1501
Recompression Consolidation Settlement [in]	0	2.52699
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.309
Loading Stress XX [ksf]	-0.0552404	0.23739
Loading Stress YY [ksf]	-0.0604279	0.233143
Effective Stress ZZ [ksf]	-6.22537e-011	1.56469
Effective Stress XX [ksf]	-0.0552404	1.73907
Effective Stress YY [ksf]	-0.0604279	1.7377
Total Stress ZZ [ksf]	0	3.60896
Total Stress XX [ksf]	-0.0552404	3.78333
Total Stress YY [ksf]	-0.0604279	3.78196
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	26279.4
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	26279.4
Total Strain	-1.55941e-007	0.602275
Pore Water Pressure [ksf]	-0.000216044	2.0516
Excess Pore Water Pressure [ksf]	-1.00757e-006	0.308127
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.911677	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0262304

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.91249
Total Consolidation Settlement [in]	0	4.91249
Virgin Consolidation Settlement [in]	0	2.31636
Recompression Consolidation Settlement [in]	0	2.59613
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.309
Loading Stress XX [ksf]	-0.0552404	0.23739
Loading Stress YY [ksf]	-0.0604279	0.233143
Effective Stress ZZ [ksf]	-4.77138e-011	1.57232
Effective Stress XX [ksf]	-0.0552404	1.74546
Effective Stress YY [ksf]	-0.0604279	1.74409
Total Stress ZZ [ksf]	0	3.60896
Total Stress XX [ksf]	-0.0552404	3.78211
Total Stress YY [ksf]	-0.0604279	3.78074
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	14173.9
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	14173.9
Total Strain	-3.17987e-007	0.61321
Pore Water Pressure [ksf]	-0.000279264	2.04366
Excess Pore Water Pressure [ksf]	-7.377e-007	0.307975
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.907296	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.91669
Total Consolidation Settlement [in]	0	5.91669
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.08562
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.193836
Loading Stress XX [ksf]	-0.0346523	0.148915
Loading Stress YY [ksf]	-0.0379064	0.146251
Effective Stress ZZ [ksf]	0	1.67037
Effective Stress XX [ksf]	-0.0346523	1.76424
Effective Stress YY [ksf]	-0.0379064	1.76338
Total Stress ZZ [ksf]	0	3.49381
Total Stress XX [ksf]	-0.0346523	3.58768
Total Stress YY [ksf]	-0.0379065	3.58682
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1850.34
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1850.34
Total Strain	-1.22975e-006	0.61361
Pore Water Pressure [ksf]	-0.108839	1.87256
Excess Pore Water Pressure [ksf]	-0.115164	0.188016
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.00009	10.0007
Void Ratio	0.906554	4.82
Permeability [ft/d]	7.47686e-005	0.0380865
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.82614
Total Consolidation Settlement [in]	0	5.82614
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	2.99507
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.18574
Loading Stress XX [ksf]	-0.033205	0.142695
Loading Stress YY [ksf]	-0.0363232	0.140142
Effective Stress ZZ [ksf]	-5.95721e-011	1.66249
Effective Stress XX [ksf]	-0.033205	1.75162
Effective Stress YY [ksf]	-0.0363232	1.7508
Total Stress ZZ [ksf]	0	3.48572
Total Stress XX [ksf]	-0.033205	3.57485
Total Stress YY [ksf]	-0.0363233	3.57403
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1526.55
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1526.55
Total Strain	-1.60122e-006	0.602969
Pore Water Pressure [ksf]	-0.00358301	1.872
Excess Pore Water Pressure [ksf]	-0.018472	0.150019
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.14943	10.0009
Void Ratio	0.90896	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.84631
Total Consolidation Settlement [in]	0	5.84631
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.01523
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.182928
Loading Stress XX [ksf]	-0.0327023	0.140535
Loading Stress YY [ksf]	-0.0357733	0.138021
Effective Stress ZZ [ksf]	0	1.65351
Effective Stress XX [ksf]	-0.0327023	1.74074
Effective Stress YY [ksf]	-0.0357733	1.73993
Total Stress ZZ [ksf]	0	3.48291
Total Stress XX [ksf]	-0.0327023	3.57013
Total Stress YY [ksf]	-0.0357734	3.56932
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1519.7
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1519.7
Total Strain	-1.49734e-006	0.601853
Pore Water Pressure [ksf]	-0.000315931	1.872
Excess Pore Water Pressure [ksf]	-0.012206	0.130561
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.16225	10.0009
Void Ratio	0.909142	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 10 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.96478
Total Consolidation Settlement [in]	0	5.96478
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.1337
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.175172
Loading Stress XX [ksf]	-0.0313158	0.134576
Loading Stress YY [ksf]	-0.0342566	0.132169
Effective Stress ZZ [ksf]	0	1.64247
Effective Stress XX [ksf]	-0.0313158	1.72409
Effective Stress YY [ksf]	-0.0342566	1.72331
Total Stress ZZ [ksf]	0	3.47515
Total Stress XX [ksf]	-0.0313158	3.55677
Total Stress YY [ksf]	-0.0342566	3.55599
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1494.53
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1494.53
Total Strain	-7.66752e-007	0.600722
Pore Water Pressure [ksf]	-0.00298221	1.872
Excess Pore Water Pressure [ksf]	-0.00829871	0.0705165
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.16664	10.0004
Void Ratio	0.909195	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 11 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.97034
Total Consolidation Settlement [in]	0	5.97034
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.13927
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.173565
Loading Stress XX [ksf]	-0.0310285	0.133342
Loading Stress YY [ksf]	-0.0339424	0.130957
Effective Stress ZZ [ksf]	0	1.63635
Effective Stress XX [ksf]	-0.0310285	1.71691
Effective Stress YY [ksf]	-0.0339424	1.71614
Total Stress ZZ [ksf]	0	3.47354
Total Stress XX [ksf]	-0.0310286	3.5541
Total Stress YY [ksf]	-0.0339424	3.55333
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1532.44
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1532.44
Total Strain	-5.49948e-007	0.599721
Pore Water Pressure [ksf]	-0.000328213	1.872
Excess Pore Water Pressure [ksf]	-0.00510636	0.0521128
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.17876	10.0002
Void Ratio	0.909371	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 12 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.00748
Total Consolidation Settlement [in]	0	6.00748
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.1764
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.171093
Loading Stress XX [ksf]	-0.0305866	0.131443
Loading Stress YY [ksf]	-0.0334589	0.129091
Effective Stress ZZ [ksf]	0	1.63296
Effective Stress XX [ksf]	-0.0305866	1.71174
Effective Stress YY [ksf]	-0.0334589	1.71098
Total Stress ZZ [ksf]	0	3.47107
Total Stress XX [ksf]	-0.0305866	3.54985
Total Stress YY [ksf]	-0.033459	3.54909
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1538.82
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1538.82
Total Strain	-3.10467e-007	0.59927
Pore Water Pressure [ksf]	-0.000331739	1.872
Excess Pore Water Pressure [ksf]	-0.00392179	0.0283719
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.1811	10.0001
Void Ratio	0.909404	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 13 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.01078
Total Consolidation Settlement [in]	0	6.01078
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.1797
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.170259
Loading Stress XX [ksf]	-0.0304375	0.130802
Loading Stress YY [ksf]	-0.0332958	0.128462
Effective Stress ZZ [ksf]	0	1.63101
Effective Stress XX [ksf]	-0.0304375	1.70924
Effective Stress YY [ksf]	-0.0332958	1.70848
Total Stress ZZ [ksf]	0	3.47024
Total Stress XX [ksf]	-0.0304375	3.54846
Total Stress YY [ksf]	-0.0332959	3.54771
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1549.37
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1549.37
Total Strain	-3.32526e-007	0.598905
Pore Water Pressure [ksf]	-0.000332216	1.872
Excess Pore Water Pressure [ksf]	-0.00319142	0.0208686
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18483	10.0001
Void Ratio	0.909461	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 14 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.03134
Total Consolidation Settlement [in]	0	6.03134
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.20027
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.16893
Loading Stress XX [ksf]	-0.0301999	0.129781
Loading Stress YY [ksf]	-0.0330359	0.127459
Effective Stress ZZ [ksf]	-1.02471e-011	1.62961
Effective Stress XX [ksf]	-0.0301999	1.70687
Effective Stress YY [ksf]	-0.0330359	1.70613
Total Stress ZZ [ksf]	0	3.46891
Total Stress XX [ksf]	-0.0302	3.54617
Total Stress YY [ksf]	-0.033036	3.54542
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1549.98
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1549.98
Total Strain	-3.51157e-007	0.598663
Pore Water Pressure [ksf]	-0.000334315	1.872
Excess Pore Water Pressure [ksf]	-0.00173332	0.0079531
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18597	10.0001
Void Ratio	0.909477	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 15 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.04184
Total Consolidation Settlement [in]	0	6.04184
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.21077
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.168251
Loading Stress XX [ksf]	-0.0300784	0.129259
Loading Stress YY [ksf]	-0.032903	0.126946
Effective Stress ZZ [ksf]	-5.05458e-019	1.62833
Effective Stress XX [ksf]	-0.0300784	1.7051
Effective Stress YY [ksf]	-0.032903	1.70435
Total Stress ZZ [ksf]	0	3.46823
Total Stress XX [ksf]	-0.0300784	3.545
Total Stress YY [ksf]	-0.0329031	3.54425
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1555.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1555.92
Total Strain	-3.66139e-007	0.598438
Pore Water Pressure [ksf]	-0.000335693	1.872
Excess Pore Water Pressure [ksf]	-0.000680362	3.71186e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18789	10.0001
Void Ratio	0.909507	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 16 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.03598
Total Consolidation Settlement [in]	0	6.03598
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.2049
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.168127
Loading Stress XX [ksf]	-0.0300563	0.129164
Loading Stress YY [ksf]	-0.0328788	0.126853
Effective Stress ZZ [ksf]	-6.57571e-019	1.62762
Effective Stress XX [ksf]	-0.0300563	1.70434
Effective Stress YY [ksf]	-0.0328788	1.70359
Total Stress ZZ [ksf]	0	3.46811
Total Stress XX [ksf]	-0.0300563	3.54483
Total Stress YY [ksf]	-0.0328789	3.54408
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1561.05
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1561.05
Total Strain	-3.90484e-007	0.598347
Pore Water Pressure [ksf]	-0.000335693	1.872
Excess Pore Water Pressure [ksf]	-0.000164215	7.27022e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18896	10.0001
Void Ratio	0.909523	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 17 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.03456
Total Consolidation Settlement [in]	0	6.03456
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.20348
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.168065
Loading Stress XX [ksf]	-0.0300452	0.129116
Loading Stress YY [ksf]	-0.0328667	0.126807
Effective Stress ZZ [ksf]	-1.84265e-020	1.62749
Effective Stress XX [ksf]	-0.0300452	1.70417
Effective Stress YY [ksf]	-0.0328667	1.70343
Total Stress ZZ [ksf]	0	3.46804
Total Stress XX [ksf]	-0.0300453	3.54473
Total Stress YY [ksf]	-0.0328668	3.54399
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1561.62
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1561.62
Total Strain	-4.19678e-007	0.598326
Pore Water Pressure [ksf]	-0.000335693	1.872
Excess Pore Water Pressure [ksf]	-6.26081e-005	7.02115e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18916	10.0001
Void Ratio	0.909526	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 18 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.03391
Total Consolidation Settlement [in]	0	6.03391
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.20283
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.168065
Loading Stress XX [ksf]	-0.0300452	0.129116
Loading Stress YY [ksf]	-0.0328667	0.126807
Effective Stress ZZ [ksf]	-4.68716e-011	1.62742
Effective Stress XX [ksf]	-0.0300452	1.70411
Effective Stress YY [ksf]	-0.0328667	1.70337
Total Stress ZZ [ksf]	0	3.46804
Total Stress XX [ksf]	-0.0300453	3.54474
Total Stress YY [ksf]	-0.0328668	3.54399
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1562.19
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1562.19
Total Strain	-4.4802e-007	0.598319
Pore Water Pressure [ksf]	-0.000335693	1.872
Excess Pore Water Pressure [ksf]	-6.93987e-006	3.57994e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18926	10.0001
Void Ratio	0.909528	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Stage: Stage 19 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.03391
Total Consolidation Settlement [in]	0	6.03391
Virgin Consolidation Settlement [in]	0	2.83107
Recompression Consolidation Settlement [in]	0	3.20283
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.168065
Loading Stress XX [ksf]	-0.0300452	0.129116
Loading Stress YY [ksf]	-0.0328667	0.126807
Effective Stress ZZ [ksf]	0	1.62742
Effective Stress XX [ksf]	-0.0300452	1.70411
Effective Stress YY [ksf]	-0.0328667	1.70337
Total Stress ZZ [ksf]	0	3.46804
Total Stress XX [ksf]	-0.0300453	3.54474
Total Stress YY [ksf]	-0.0328668	3.54399
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1562.19
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1562.19
Total Strain	-4.75225e-007	0.598319
Pore Water Pressure [ksf]	-0.000335693	1.872
Excess Pore Water Pressure [ksf]	-6.90725e-006	3.56557e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.18926	10.0001
Void Ratio	0.909528	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0293251

Loads

1. Rectangular Load: "Rectangular Load 1"

Length	1000 ft
Width	1000 ft
Rotation angle	0 degrees
Load Type	Flexible
Area of Load	1e+006 ft ²
Load	0.2704 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 150 d	0	0
Stage 11 = 180 d	0	0
Stage 12 = 240 d	0	0
Stage 13 = 270 d	0	0
Stage 14 = 365 d	0	0
Stage 15 = 730 d	0	0
Stage 16 = 1095 d	0	0
Stage 17 = 1825 d	0	0
Stage 18 = 3650 d	0	0
Stage 19 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1085 ft
 Width 1100 ft
 Rotation angle 0 degrees
 Load Type Flexible
 Area of Load 1.1935e+006 ft²
 Load 0.309 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.6273	0
Stage 8 = 75 d	0.6011	0
Stage 9 = 90 d	0.592	0
Stage 10 = 150 d	0.5669	0
Stage 11 = 180 d	0.5617	0
Stage 12 = 240 d	0.5537	0
Stage 13 = 270 d	0.551	0
Stage 14 = 365 d	0.5467	0
Stage 15 = 730 d	0.5445	0
Stage 16 = 1095 d	0.5441	0
Stage 17 = 1825 d	0.5439	0
Stage 18 = 3650 d	0.5439	0
Stage 19 = 7300 d	0.5439	0

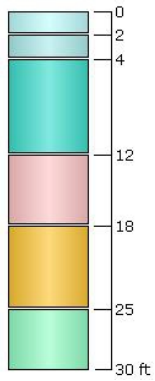
Coordinates

X [ft]	Y [ft]
-542.5	-550
542.5	-550
542.5	550
-542.5	550





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	8	4	Yes
4	Med to Stiff Clay (CH) 1	6	12	Yes
5	Very Soft to Soft Clay (CH/CL)	7	18	Yes
6	Med to Stiff Clay (CH) 2	5	25	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	2.92	0.75	0.39	0.39
Cr	0.53	0.13	0.07	0.07
e0	4.82	2.3	1.4	1.4
OCR	10	10	6.06	2.46
Cv [ft ² /d]	0.03	0.033	0.11	0.11
Cvr [ft ² /d]	0.03	0.033	0.11	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Med to Stiff Clay (CH) 1	Med to Stiff Clay (CH) 2
Color		
Unit Weight [kips/ft ³]	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.115	0.115
K0	1	1
Primary Consolidation	Enabled	Enabled
Material Type	Non-Linear	Non-Linear
Cc	0.21	0.21
Cr	0.037	0.04
e0	0.92	0.92
OCR	1.58	3.6
Cv [ft ² /d]	0.5	0.5
Cvr [ft ² /d]	0.5	0.5
B-bar	1	1
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 69

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1092.5	2000
1092.5	-2000
-1092.5	-2000
-1092.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)

Location: Orleans Parish, LA

File No.: 4585017006

Exploration: B-19

Initial Sequence of Lifts

Specific Gravity: 2.68
Initial Void Ratio: 1.919
Initial Fill El (feet): 2.00
Initial Avg. Mudline El (feet): -0.75
Mudline at EOC (feet): -1.15

Initial γ (pcf): 98.31 (assumes 100% saturation)
Water El (feet): 0.50
Initial stress (ksf): 0.2704 During Construction at 29 days
Stress at EOC (ksf): 0.309 End of Construction at 30 days

Note:

Title

Manual Input

Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.409	0.493	0.485	0.487	0.497	0.497	0.500	0.501	0.503	0.503	0.503	0.504	0.504	0.504
Ending Mudline El. (feet):	-1.16	-1.24	-1.24	-1.24	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
Net PSDDF Settlement (feet):		0.136	0.264	0.347	0.479	0.509	0.546	0.559	0.581	0.592	0.595	0.595	0.595	0.595
Ending Fill Thickness (feet):	3.159	3.023	2.895	2.812	2.680	2.650	2.613	2.600	2.578	2.567	2.564	2.564	2.564	2.564
Ending Fill El. (feet):	2.000	1.780	1.652	1.569	1.433	1.403	1.363	1.349	1.325	1.314	1.311	1.310	1.310	1.310
Avg. Void Ratio from PSDDF:	1.919	1.778	1.663	1.534	1.400	1.368	1.334	1.322	1.299	1.289	1.285	1.285	1.285	1.285
Ending γ (pcf):	98.31	100.14	101.77	103.77	106.08	106.67	107.32	107.55	108.00	108.20	108.28	108.28	108.28	108.28
Effective Stress at End Time (ksf):	0.3092	0.194	0.186	0.183	0.175	0.174	0.171	0.170	0.169	0.168	0.168	0.168	0.168	0.168

DRAFT

Project:

Location:

File No.:

Exploration:

Mudline El.:

New Orleans Landbridge Shoreline Stabilization and Marsh Creati
Orleans Parish, LA
4585017006
B-19
-0.75 feet

LEGEND

Title

Manual Input

Calculation

Load End Time (days)	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.270	0.309	0.194	0.186	0.183	0.175	0.174	0.171	0.170	0.169	0.168	0.168	0.168	0.168	
Layer 1	0.330	0.340	0.397	0.381	0.379	0.377	0.375	0.374	0.373	0.373	0.372	0.372	0.373	0.373	0.373
Layer 2	0.013	0.013	0.022	0.032	0.034	0.036	0.037	0.037	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Layer 3	0.017	0.018	0.024	0.030	0.033	0.043	0.045	0.049	0.050	0.052	0.053	0.053	0.053	0.053	0.053
Layer 4	0.017	0.019	0.024	0.018	0.017	0.017	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
Layer 5	0.012	0.012	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Layer 6	0.006	0.007	0.009	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.40	0.41	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

DRAFT

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 3 Marsh Calcs EI +2.0 feet Sand.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	150
11	Stage 11	180
12	Stage 12	240
13	Stage 13	270
14	Stage 14	365
15	Stage 15	730
16	Stage 16	1095
17	Stage 17	1825
18	Stage 18	3650
19	Stage 19	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0785565
Loading Stress XX [ksf]	-0.0128453	0.0611031
Loading Stress YY [ksf]	-0.0139248	0.0602959
Effective Stress ZZ [ksf]	-3.48463e-019	1.428
Effective Stress XX [ksf]	-0.0128453	1.47791
Effective Stress YY [ksf]	-0.0139248	1.47791
Total Stress ZZ [ksf]	0	3.37854
Total Stress XX [ksf]	-0.0128453	3.42846
Total Stress YY [ksf]	-0.0139248	3.42846
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.95054
Excess Pore Water Pressure [ksf]	0	0.0785565
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.58	10
Void Ratio	0.92	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.16333
Total Consolidation Settlement [in]	0	2.16333
Virgin Consolidation Settlement [in]	0	0.833919
Recompression Consolidation Settlement [in]	0	1.32941
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.157113
Loading Stress XX [ksf]	-0.0256905	0.122206
Loading Stress YY [ksf]	-0.0278497	0.120592
Effective Stress ZZ [ksf]	-5.80932e-011	1.45581
Effective Stress XX [ksf]	-0.0256905	1.5444
Effective Stress YY [ksf]	-0.0278497	1.5444
Total Stress ZZ [ksf]	0	3.45709
Total Stress XX [ksf]	-0.0256905	3.54567
Total Stress YY [ksf]	-0.0278497	3.54567
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8979.65
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8979.65
Total Strain	-3.1574e-008	0.416648
Pore Water Pressure [ksf]	-7.73194e-005	2.00127
Excess Pore Water Pressure [ksf]	0	0.157111
Degree of Consolidation [%]	0	47.1353
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10
Void Ratio	0.91735	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00715193

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.41339
Total Consolidation Settlement [in]	0	3.41339
Virgin Consolidation Settlement [in]	0	1.42715
Recompression Consolidation Settlement [in]	0	1.98624
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-6.19511e-011	1.50686
Effective Stress XX [ksf]	-0.0389251	1.64036
Effective Stress YY [ksf]	-0.0421965	1.64036
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.67151
Total Stress YY [ksf]	-0.0421965	3.67151
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4911.4
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4911.4
Total Strain	-8.777e-008	0.526314
Pore Water Pressure [ksf]	-0.000147689	2.03115
Excess Pore Water Pressure [ksf]	0	0.237895
Degree of Consolidation [%]	0	58.4998
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10
Void Ratio	0.915159	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0100152

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.50833
Total Consolidation Settlement [in]	0	4.50833
Virgin Consolidation Settlement [in]	0	1.99856
Recompression Consolidation Settlement [in]	0	2.50976
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.56567
Effective Stress XX [ksf]	-0.0389251	1.69348
Effective Stress YY [ksf]	-0.0421965	1.69348
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.66581
Total Stress YY [ksf]	-0.0421965	3.66581
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2852.44
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2852.44
Total Strain	-1.5552e-007	0.564824
Pore Water Pressure [ksf]	-0.000188005	1.97234
Excess Pore Water Pressure [ksf]	-1.09813e-008	0.23705
Degree of Consolidation [%]	0	81.5205
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.9132	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0169793

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.57224
Total Consolidation Settlement [in]	0	4.57224
Virgin Consolidation Settlement [in]	0	2.02665
Recompression Consolidation Settlement [in]	0	2.5456
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-2.46625e-011	1.57215
Effective Stress XX [ksf]	-0.0389251	1.69962
Effective Stress YY [ksf]	-0.0421965	1.69962
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.66548
Total Stress YY [ksf]	-0.0421965	3.66548
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2730.17
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2730.17
Total Strain	-1.61377e-007	0.565004
Pore Water Pressure [ksf]	-0.000205813	1.96587
Excess Pore Water Pressure [ksf]	-3.63369e-008	0.236882
Degree of Consolidation [%]	0	82.4806
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.913187	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0172952

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.63072
Total Consolidation Settlement [in]	0	4.63072
Virgin Consolidation Settlement [in]	0	2.05119
Recompression Consolidation Settlement [in]	0	2.57953
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-5.61487e-012	1.57835
Effective Stress XX [ksf]	-0.0389251	1.70552
Effective Stress YY [ksf]	-0.0421965	1.70552
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.66518
Total Stress YY [ksf]	-0.0421965	3.66518
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2622.74
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2622.74
Total Strain	-1.75534e-007	0.565163
Pore Water Pressure [ksf]	-0.000223744	1.95966
Excess Pore Water Pressure [ksf]	-6.3423e-008	0.236694
Degree of Consolidation [%]	0	83.2673
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.913176	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0175693

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.12283
Total Consolidation Settlement [in]	0	5.12283
Virgin Consolidation Settlement [in]	0	2.20428
Recompression Consolidation Settlement [in]	0	2.91855
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.63921
Effective Stress XX [ksf]	-0.0389251	1.76382
Effective Stress YY [ksf]	-0.0421965	1.76382
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.66262
Total Stress YY [ksf]	-0.0421965	3.66262
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1927.83
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1927.83
Total Strain	-2.40516e-007	0.5661
Pore Water Pressure [ksf]	-0.000248427	1.8988
Excess Pore Water Pressure [ksf]	-1.68633e-006	0.231304
Degree of Consolidation [%]	0	90.3226
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.913097	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0192591

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.5337
Total Consolidation Settlement [in]	0	5.5337
Virgin Consolidation Settlement [in]	0	2.25371
Recompression Consolidation Settlement [in]	0	3.28
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.68387
Effective Stress XX [ksf]	-0.0389251	1.80634
Effective Stress YY [ksf]	-0.0421965	1.80634
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.66048
Total Stress YY [ksf]	-0.0421965	3.66048
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1624.47
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1624.47
Total Strain	-2.87427e-007	0.566423
Pore Water Pressure [ksf]	-0.000289609	1.87203
Excess Pore Water Pressure [ksf]	-3.03928e-007	0.202769
Degree of Consolidation [%]	0	97.7819
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.913051	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0197963

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.64787
Total Consolidation Settlement [in]	0	5.64787
Virgin Consolidation Settlement [in]	0	2.25888
Recompression Consolidation Settlement [in]	0	3.389
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-6.35988e-012	1.69044
Effective Stress XX [ksf]	-0.0389251	1.81232
Effective Stress YY [ksf]	-0.0421965	1.81232
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65989
Total Stress YY [ksf]	-0.0421965	3.65989
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1589.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1589.16
Total Strain	-2.70008e-007	0.566464
Pore Water Pressure [ksf]	-0.000304426	1.87201
Excess Pore Water Pressure [ksf]	-1.36697e-006	0.185474
Degree of Consolidation [%]	0	99.0004
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.91304	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0198519

Stage: Stage 10 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.91335
Total Consolidation Settlement [in]	0	5.91335
Virgin Consolidation Settlement [in]	0	2.2648
Recompression Consolidation Settlement [in]	0	3.64855
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.69655
Effective Stress XX [ksf]	-0.0389251	1.81705
Effective Stress YY [ksf]	-0.0421965	1.81705
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65851
Total Stress YY [ksf]	-0.0421965	3.65851
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1562.04
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1562.04
Total Strain	-2.38374e-007	0.566521
Pore Water Pressure [ksf]	-0.000335955	1.872
Excess Pore Water Pressure [ksf]	-1.22632e-006	0.119635
Degree of Consolidation [%]	0	99.9707
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.913013	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199144

Stage: Stage 11 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.98969
Total Consolidation Settlement [in]	0	5.98969
Virgin Consolidation Settlement [in]	0	2.26576
Recompression Consolidation Settlement [in]	0	3.72394
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.69712
Effective Stress XX [ksf]	-0.0389251	1.81722
Effective Stress YY [ksf]	-0.0421965	1.81722
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65811
Total Stress YY [ksf]	-0.0421965	3.65811
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1561.02
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1561.02
Total Strain	-2.58091e-007	0.566534
Pore Water Pressure [ksf]	-0.000345025	1.872
Excess Pore Water Pressure [ksf]	-1.18794e-006	0.0944447
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.913005	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199242

Stage: Stage 12 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.08821
Total Consolidation Settlement [in]	0	6.08821
Virgin Consolidation Settlement [in]	0	2.26685
Recompression Consolidation Settlement [in]	0	3.82137
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-4.56279e-011	1.69767
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.6576
Total Stress YY [ksf]	-0.0421965	3.6576
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.68
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.68
Total Strain	-2.75678e-007	0.566549
Pore Water Pressure [ksf]	-0.000355998	1.872
Excess Pore Water Pressure [ksf]	-3.23987e-007	0.0584264
Degree of Consolidation [%]	0	99.9996
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912994	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199352

Stage: Stage 13 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.12032
Total Consolidation Settlement [in]	0	6.12032
Virgin Consolidation Settlement [in]	0	2.26719
Recompression Consolidation Settlement [in]	0	3.85313
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.69784
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65743
Total Stress YY [ksf]	-0.0421965	3.65743
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.63
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.63
Total Strain	-2.90433e-007	0.566553
Pore Water Pressure [ksf]	-0.0003594	1.872
Excess Pore Water Pressure [ksf]	-3.22678e-007	0.0458934
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912991	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199386

Stage: Stage 14 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.18068
Total Consolidation Settlement [in]	0	6.18068
Virgin Consolidation Settlement [in]	0	2.26783
Recompression Consolidation Settlement [in]	0	3.91285
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-2.50442e-011	1.69815
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65712
Total Stress YY [ksf]	-0.0421965	3.65712
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.57
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.57
Total Strain	-3.0288e-007	0.566562
Pore Water Pressure [ksf]	-0.000365852	1.872
Excess Pore Water Pressure [ksf]	-1.08284e-006	0.021332
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912984	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199452

Stage: Stage 15 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.22825
Total Consolidation Settlement [in]	0	6.22825
Virgin Consolidation Settlement [in]	0	2.26835
Recompression Consolidation Settlement [in]	0	3.9599
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-3.72453e-011	1.6984
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65687
Total Stress YY [ksf]	-0.0421965	3.65687
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.52
Total Strain	-3.12963e-007	0.566569
Pore Water Pressure [ksf]	-0.000370905	1.872
Excess Pore Water Pressure [ksf]	-3.12956e-007	0.00111988
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912979	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199505

Stage: Stage 16 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.23071
Total Consolidation Settlement [in]	0	6.23071
Virgin Consolidation Settlement [in]	0	2.26838
Recompression Consolidation Settlement [in]	0	3.96233
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.69841
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65686
Total Stress YY [ksf]	-0.0421965	3.65686
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.52
Total Strain	-3.20451e-007	0.566569
Pore Water Pressure [ksf]	-0.000371191	1.872
Excess Pore Water Pressure [ksf]	-3.10446e-007	5.86059e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912979	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199508

Stage: Stage 17 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.23084
Total Consolidation Settlement [in]	0	6.23084
Virgin Consolidation Settlement [in]	0	2.26838
Recompression Consolidation Settlement [in]	0	3.96246
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.69841
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65686
Total Stress YY [ksf]	-0.0421965	3.65686
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.52
Total Strain	-3.25517e-007	0.566569
Pore Water Pressure [ksf]	-0.000371208	1.872
Excess Pore Water Pressure [ksf]	-3.08635e-007	1.03157e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912979	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199508

Stage: Stage 18 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.23084
Total Consolidation Settlement [in]	0	6.23084
Virgin Consolidation Settlement [in]	0	2.26838
Recompression Consolidation Settlement [in]	0	3.96246
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	-6.28708e-012	1.69841
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65686
Total Stress YY [ksf]	-0.0421965	3.65686
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.52
Total Strain	-3.28337e-007	0.566569
Pore Water Pressure [ksf]	-0.000371208	1.872
Excess Pore Water Pressure [ksf]	-1.02409e-006	3.07197e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912979	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199508

Stage: Stage 19 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.23084
Total Consolidation Settlement [in]	0	6.23084
Virgin Consolidation Settlement [in]	0	2.26838
Recompression Consolidation Settlement [in]	0	3.96246
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.23805
Loading Stress XX [ksf]	-0.0389251	0.185161
Loading Stress YY [ksf]	-0.0421965	0.182715
Effective Stress ZZ [ksf]	0	1.69841
Effective Stress XX [ksf]	-0.0389251	1.81726
Effective Stress YY [ksf]	-0.0421965	1.81726
Total Stress ZZ [ksf]	0	3.53801
Total Stress XX [ksf]	-0.0389251	3.65686
Total Stress YY [ksf]	-0.0421965	3.65686
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1560.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1560.52
Total Strain	-3.2903e-007	0.566569
Pore Water Pressure [ksf]	-0.000371208	1.872
Excess Pore Water Pressure [ksf]	-3.06658e-007	1.02131e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.912979	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0199508

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.23805 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 150 d	1	0
Stage 11 = 180 d	1	0
Stage 12 = 240 d	1	0
Stage 13 = 270 d	1	0
Stage 14 = 365 d	1	0
Stage 15 = 730 d	1	0
Stage 16 = 1095 d	1	0
Stage 17 = 1825 d	1	0
Stage 18 = 3650 d	1	0
Stage 19 = 7300 d	1	0

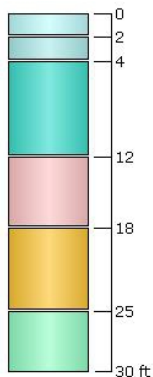
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	8	4	Yes
4	Med to Stiff Clay (CH) 1	6	12	Yes
5	Very Soft to Soft Clay (CH/CL)	7	18	Yes
6	Med to Stiff Clay (CH) 2	5	25	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	2.92	0.75	0.39	0.39
Cr	0.53	0.13	0.07	0.07
e0	4.82	2.3	1.4	1.4
OCR	10	10	6.06	2.46
Cv [ft ² /d]	0.03	0.033	0.11	0.11
Cvr [ft ² /d]	0.03	0.033	0.11	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Med to Stiff Clay (CH) 1	Med to Stiff Clay (CH) 2
Color		
Unit Weight [kips/ft ³]	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.115	0.115
K0	1	1
Primary Consolidation	Enabled	Enabled
Material Type	Non-Linear	Non-Linear
Cc	0.21	0.21
Cr	0.037	0.04
e0	0.92	0.92
OCR	1.58	3.6
Cv [ft ² /d]	0.5	0.5
Cvr [ft ² /d]	0.5	0.5
B-bar	1	1
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 69

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000

```

100 'B456 E1 +4.5 PO-169' 1 1
101 1 1 1
102 6.11 0.0001 50 -0.75 0.5 62.4 0
103 0 0 1
104 1 2.68 0.009 0.098 1.75 2.37 0.796 0.43 10
105 06.25 0.00E+00 1.41E+02
106 02.73 1.00E+00 2.45E-01
107 02.46 2.00E+00 9.02E-02
108 02.11 5.00E+00 2.41E-02
109 01.85 1.00E+01 8.88E-03
110 01.50 2.50E+01 2.37E-03
111 01.23 5.00E+01 8.74E-04
112 00.97 1.00E+02 3.22E-04
113 00.71 2.00E+02 1.19E-04
114 00.44 4.00E+02 4.37E-05
115 20
116 2.5 60 4 1 6.25 1 35
117 10 4.5 60 4 1 6.25 1 35
118 20 4.5 60 4 1 6.25 1 35
119 30 1.5 60 4 1 6.25 1 35
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

```

			B445.pso			
0.31	376.48	174.42	202.06	199.16	2.90	1
0.29	378.61	175.26	203.35	200.25	3.10	1
0.28	380.73	176.09	204.64	201.34	3.30	1
0.26	382.85	176.91	205.94	202.43	3.51	1
0.24	384.97	177.73	207.24	203.51	3.73	1
0.22	387.09	178.54	208.55	204.60	3.95	1
0.21	389.21	179.35	209.86	205.69	4.18	1
0.19	391.32	180.15	211.18	206.77	4.41	1
0.17	393.44	180.94	212.50	207.85	4.64	1
0.16	395.55	181.73	213.82	208.93	4.89	1
0.14	397.67	182.52	215.15	210.01	5.13	1
0.12	399.78	183.30	216.48	211.09	5.39	1
0.10	401.89	184.08	217.81	212.17	5.64	1
0.09	404.00	184.85	219.15	213.24	5.91	1
0.07	406.10	185.61	220.49	214.32	6.17	1
0.05	408.21	186.37	221.84	215.39	6.44	1
0.03	410.32	187.13	223.19	216.47	6.72	1
0.02	412.42	187.88	224.54	217.54	7.00	1
0.00	414.52	188.63	225.90	218.61	7.29	1

Time = 7300. Degree of Consolidation = 99.0%

Total Settlement = 9.302

Settlement at End of Primary Consolidation = 9.311

Settlement caused by Primary Consolidation at time 7300. = 9.246

Settlement caused by Secondary Compression at time 7300. = 0.000

Settlement Due to Desiccation = 0.056

Surface Elevation = 2.95

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 3 Marsh Calcs EI +4.5 feet.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	150
11	Stage 11	180
12	Stage 12	240
13	Stage 13	270
14	Stage 14	365
15	Stage 15	730
16	Stage 16	1095
17	Stage 17	1825
18	Stage 18	3650
19	Stage 19	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.097337
Loading Stress XX [ksf]	-0.0159162	0.075711
Loading Stress YY [ksf]	-0.0172538	0.0747108
Effective Stress ZZ [ksf]	-5.99477e-019	1.428
Effective Stress XX [ksf]	-0.0159162	1.48984
Effective Stress YY [ksf]	-0.0172538	1.48984
Total Stress ZZ [ksf]	0	3.39732
Total Stress XX [ksf]	-0.0159162	3.45916
Total Stress YY [ksf]	-0.0172538	3.45916
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.96932
Excess Pore Water Pressure [ksf]	0	0.097337
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.58	10
Void Ratio	0.92	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.65173
Total Consolidation Settlement [in]	0	2.65173
Virgin Consolidation Settlement [in]	0	1.17252
Recompression Consolidation Settlement [in]	0	1.47921
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.276642
Loading Stress XX [ksf]	-0.0452355	0.215179
Loading Stress YY [ksf]	-0.0490372	0.212336
Effective Stress ZZ [ksf]	-6.04815e-011	1.46231
Effective Stress XX [ksf]	-0.0452355	1.6243
Effective Stress YY [ksf]	-0.0490372	1.6243
Total Stress ZZ [ksf]	0	3.5766
Total Stress XX [ksf]	-0.0452355	3.73859
Total Stress YY [ksf]	-0.0490372	3.73859
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	12845.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	12845.2
Total Strain	-3.91224e-008	0.514518
Pore Water Pressure [ksf]	-8.05542e-005	2.11429
Excess Pore Water Pressure [ksf]	0	0.27664
Degree of Consolidation [%]	0	38.6776
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10
Void Ratio	0.916781	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00797394

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.93502
Total Consolidation Settlement [in]	0	4.93502
Virgin Consolidation Settlement [in]	0	2.44076
Recompression Consolidation Settlement [in]	0	2.49427
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.450824
Loading Stress XX [ksf]	-0.0737171	0.350662
Loading Stress YY [ksf]	-0.0799125	0.346029
Effective Stress ZZ [ksf]	-6.03015e-011	1.54978
Effective Stress XX [ksf]	-0.0737171	1.81055
Effective Stress YY [ksf]	-0.0799125	1.81055
Total Stress ZZ [ksf]	0	3.75075
Total Stress XX [ksf]	-0.0737171	4.01153
Total Stress YY [ksf]	-0.0799125	4.01153
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6074.84
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6074.84
Total Strain	-1.44269e-007	0.655579
Pore Water Pressure [ksf]	-0.000141157	2.20098
Excess Pore Water Pressure [ksf]	0	0.450621
Degree of Consolidation [%]	0	54.7843
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.910745	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0267393

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.00606
Total Consolidation Settlement [in]	0	7.00606
Virgin Consolidation Settlement [in]	0	3.86322
Recompression Consolidation Settlement [in]	0	3.14284
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5123
Loading Stress XX [ksf]	-0.0837694	0.398479
Loading Stress YY [ksf]	-0.0908097	0.393215
Effective Stress ZZ [ksf]	0	1.66495
Effective Stress XX [ksf]	-0.0837694	1.95401
Effective Stress YY [ksf]	-0.0908097	1.95401
Total Stress ZZ [ksf]	0	3.81222
Total Stress XX [ksf]	-0.0837694	4.10128
Total Stress YY [ksf]	-0.0908097	4.10128
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	3680.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3680.52
Total Strain	-2.78461e-007	0.715793
Pore Water Pressure [ksf]	-0.000258555	2.14727
Excess Pore Water Pressure [ksf]	0	0.510842
Degree of Consolidation [%]	0	74.4999
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.654083	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0397479

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.2766
Total Consolidation Settlement [in]	0	7.2766
Virgin Consolidation Settlement [in]	0	4.06913
Recompression Consolidation Settlement [in]	0	3.20747
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.571
Loading Stress XX [ksf]	-0.102079	0.438672
Loading Stress YY [ksf]	-0.111665	0.430824
Effective Stress ZZ [ksf]	-6.05237e-011	1.71447
Effective Stress XX [ksf]	-0.102079	2.0515
Effective Stress YY [ksf]	-0.111665	2.04919
Total Stress ZZ [ksf]	0	3.87093
Total Stress XX [ksf]	-0.102079	4.20025
Total Stress YY [ksf]	-0.111665	4.19772
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	25634.4
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	25634.4
Total Strain	-2.95449e-007	0.736545
Pore Water Pressure [ksf]	-0.000321805	2.20637
Excess Pore Water Pressure [ksf]	-1.90894e-006	0.569275
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.533307	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0438742

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.57471
Total Consolidation Settlement [in]	0	7.57471
Virgin Consolidation Settlement [in]	0	4.29862
Recompression Consolidation Settlement [in]	0	3.2761
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.571
Loading Stress XX [ksf]	-0.102079	0.438672
Loading Stress YY [ksf]	-0.111665	0.430824
Effective Stress ZZ [ksf]	-5.56526e-011	1.77468
Effective Stress XX [ksf]	-0.102079	2.11026
Effective Stress YY [ksf]	-0.111665	2.10793
Total Stress ZZ [ksf]	0	3.87093
Total Stress XX [ksf]	-0.102079	4.1987
Total Stress YY [ksf]	-0.111665	4.19617
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	14001
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	14001
Total Strain	-5.95118e-007	0.746018
Pore Water Pressure [ksf]	-0.000400674	2.19206
Excess Pore Water Pressure [ksf]	-1.39765e-006	0.568968
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0003
Void Ratio	0.478175	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.26705
Total Consolidation Settlement [in]	0	9.26705
Virgin Consolidation Settlement [in]	0	5.45144
Recompression Consolidation Settlement [in]	0	3.8156
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.44361
Loading Stress XX [ksf]	-0.0793048	0.340804
Loading Stress YY [ksf]	-0.0867522	0.334707
Effective Stress ZZ [ksf]	0	1.87104
Effective Stress XX [ksf]	-0.0793048	2.1081
Effective Stress YY [ksf]	-0.0867522	2.10613
Total Stress ZZ [ksf]	0	3.74355
Total Stress XX [ksf]	-0.0793048	3.98061
Total Stress YY [ksf]	-0.0867522	3.97865
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2290.41
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2290.41
Total Strain	-2.27761e-006	0.748609
Pore Water Pressure [ksf]	-0.119688	1.88289
Excess Pore Water Pressure [ksf]	-0.12739	0.431838
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.00001	10.0013
Void Ratio	0.463095	4.82
Permeability [ft/d]	7.47686e-005	0.0380865
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.56038
Total Consolidation Settlement [in]	0	9.56038
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.05407
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.418657
Loading Stress XX [ksf]	-0.074844	0.321634
Loading Stress YY [ksf]	-0.0818724	0.31588
Effective Stress ZZ [ksf]	0	1.91876
Effective Stress XX [ksf]	-0.074844	2.13825
Effective Stress YY [ksf]	-0.0818724	2.1364
Total Stress ZZ [ksf]	0	3.71861
Total Stress XX [ksf]	-0.074844	3.93809
Total Stress YY [ksf]	-0.0818725	3.93624
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1569.6
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1569.6
Total Strain	-3.47278e-006	0.742453
Pore Water Pressure [ksf]	-0.0217379	1.872
Excess Pore Water Pressure [ksf]	-0.0290865	0.346662
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.01889	10.002
Void Ratio	0.498926	4.82001
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.6269
Total Consolidation Settlement [in]	0	9.6269
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.12059
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.414089
Loading Stress XX [ksf]	-0.0740273	0.318125
Loading Stress YY [ksf]	-0.0809791	0.312434
Effective Stress ZZ [ksf]	-2.60347e-011	1.91003
Effective Stress XX [ksf]	-0.0740273	2.12623
Effective Stress YY [ksf]	-0.0809791	2.1244
Total Stress ZZ [ksf]	0	3.71404
Total Stress XX [ksf]	-0.0740274	3.93024
Total Stress YY [ksf]	-0.0809792	3.92841
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1570.92
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1570.92
Total Strain	-3.35951e-006	0.741124
Pore Water Pressure [ksf]	-0.00186535	1.872
Excess Pore Water Pressure [ksf]	-0.0179295	0.306005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.0284	10.002
Void Ratio	0.506661	4.82001
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 10 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.8745
Total Consolidation Settlement [in]	0	9.8745
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.3682
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.398101
Loading Stress XX [ksf]	-0.0711691	0.305842
Loading Stress YY [ksf]	-0.0778525	0.300371
Effective Stress ZZ [ksf]	-4.91421e-019	1.89419
Effective Stress XX [ksf]	-0.0711691	2.09883
Effective Stress YY [ksf]	-0.0778525	2.09706
Total Stress ZZ [ksf]	0	3.69805
Total Stress XX [ksf]	-0.0711692	3.90269
Total Stress YY [ksf]	-0.0778526	3.90092
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1554.76
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1554.76
Total Strain	-1.75328e-006	0.740145
Pore Water Pressure [ksf]	-0.0130823	1.872
Excess Pore Water Pressure [ksf]	-0.0167905	0.172007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.04354	10.0009
Void Ratio	0.512356	4.82001
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 11 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.90428
Total Consolidation Settlement [in]	0	9.90428
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.39797
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.392163
Loading Stress XX [ksf]	-0.0701075	0.30128
Loading Stress YY [ksf]	-0.0766912	0.29589
Effective Stress ZZ [ksf]	0	1.88192
Effective Stress XX [ksf]	-0.0701075	2.08259
Effective Stress YY [ksf]	-0.0766912	2.08085
Total Stress ZZ [ksf]	0	3.69211
Total Stress XX [ksf]	-0.0701076	3.89278
Total Stress YY [ksf]	-0.0766913	3.89104
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1567.61
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1567.61
Total Strain	-1.29019e-006	0.739093
Pore Water Pressure [ksf]	-0.00322279	1.872
Excess Pore Water Pressure [ksf]	-0.0103071	0.126439
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.05935	10.0005
Void Ratio	0.51848	4.82001
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 12 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.96537
Total Consolidation Settlement [in]	0	9.96537
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.45906
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.385311
Loading Stress XX [ksf]	-0.0688826	0.296016
Loading Stress YY [ksf]	-0.0753512	0.29072
Effective Stress ZZ [ksf]	-4.85227e-019	1.87244
Effective Stress XX [ksf]	-0.0688826	2.06838
Effective Stress YY [ksf]	-0.0753512	2.06667
Total Stress ZZ [ksf]	0	3.68526
Total Stress XX [ksf]	-0.0688826	3.8812
Total Stress YY [ksf]	-0.0753514	3.8795
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1568.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1568.94
Total Strain	-3.62506e-007	0.738459
Pore Water Pressure [ksf]	-0.00409589	1.872
Excess Pore Water Pressure [ksf]	-0.00977224	0.0682482
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.073	10.0001
Void Ratio	0.522171	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 13 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.96973
Total Consolidation Settlement [in]	0	9.96973
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.46342
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.380857
Loading Stress XX [ksf]	-0.0680864	0.292594
Loading Stress YY [ksf]	-0.0744802	0.28736
Effective Stress ZZ [ksf]	0	1.86701
Effective Stress XX [ksf]	-0.0680864	2.06006
Effective Stress YY [ksf]	-0.0744802	2.05838
Total Stress ZZ [ksf]	0	3.68081
Total Stress XX [ksf]	-0.0680864	3.87386
Total Stress YY [ksf]	-0.0744804	3.87218
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1567.59
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1567.59
Total Strain	-3.90976e-007	0.737894
Pore Water Pressure [ksf]	-0.00176539	1.872
Excess Pore Water Pressure [ksf]	-0.010429	0.0475959
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.08138	10.0001
Void Ratio	0.525455	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 14 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.99006
Total Consolidation Settlement [in]	0	9.99006
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.48375
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.375946
Loading Stress XX [ksf]	-0.0672085	0.288822
Loading Stress YY [ksf]	-0.0735199	0.283655
Effective Stress ZZ [ksf]	-2.92618e-011	1.86081
Effective Stress XX [ksf]	-0.0672085	2.0506
Effective Stress YY [ksf]	-0.0735199	2.04893
Total Stress ZZ [ksf]	0	3.6759
Total Stress XX [ksf]	-0.0672086	3.86569
Total Stress YY [ksf]	-0.0735201	3.86402
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1566.82
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1566.82
Total Strain	-4.17868e-007	0.737417
Pore Water Pressure [ksf]	-0.00219524	1.872
Excess Pore Water Pressure [ksf]	-0.00629235	0.0154615
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.09244	10.0001
Void Ratio	0.528235	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 15 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.99135
Total Consolidation Settlement [in]	0	9.99135
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.48504
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.363727
Loading Stress XX [ksf]	-0.065024	0.279434
Loading Stress YY [ksf]	-0.0711303	0.274435
Effective Stress ZZ [ksf]	-6.01645e-019	1.85586
Effective Stress XX [ksf]	-0.065024	2.03778
Effective Stress YY [ksf]	-0.0711303	2.03617
Total Stress ZZ [ksf]	0	3.66368
Total Stress XX [ksf]	-0.0650241	3.84561
Total Stress YY [ksf]	-0.0711305	3.844
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1531.31
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1531.31
Total Strain	-4.43085e-007	0.736531
Pore Water Pressure [ksf]	-0.00951468	1.872
Excess Pore Water Pressure [ksf]	-0.0122214	2.66432e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.10144	10.0001
Void Ratio	0.533392	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 16 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.91544
Total Consolidation Settlement [in]	0	9.91544
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.40913
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.358759
Loading Stress XX [ksf]	-0.0641359	0.275618
Loading Stress YY [ksf]	-0.0701588	0.270687
Effective Stress ZZ [ksf]	-5.16042e-019	1.84324
Effective Stress XX [ksf]	-0.0641359	2.02237
Effective Stress YY [ksf]	-0.0701588	2.02078
Total Stress ZZ [ksf]	0	3.65871
Total Stress XX [ksf]	-0.064136	3.83784
Total Stress YY [ksf]	-0.070159	3.83625
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1550.74
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1550.74
Total Strain	-4.61951e-007	0.73562
Pore Water Pressure [ksf]	-0.00224761	1.872
Excess Pore Water Pressure [ksf]	-0.00607848	3.93521e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.13215	10.0001
Void Ratio	0.538693	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 17 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.88062
Total Consolidation Settlement [in]	0	9.88062
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.37431
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.355505
Loading Stress XX [ksf]	-0.0635541	0.273117
Loading Stress YY [ksf]	-0.0695223	0.268231
Effective Stress ZZ [ksf]	-3.53596e-019	1.83809
Effective Stress XX [ksf]	-0.0635541	2.01531
Effective Stress YY [ksf]	-0.0695223	2.01373
Total Stress ZZ [ksf]	0	3.65546
Total Stress XX [ksf]	-0.0635542	3.83268
Total Stress YY [ksf]	-0.0695225	3.8311
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1553.69
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1553.69
Total Strain	-4.7676e-007	0.735176
Pore Water Pressure [ksf]	-0.00059413	1.872
Excess Pore Water Pressure [ksf]	-0.00328544	3.3358e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.14553	10.0001
Void Ratio	0.541274	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 18 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.85908
Total Consolidation Settlement [in]	0	9.85908
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.35277
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.354762
Loading Stress XX [ksf]	-0.0634214	0.272547
Loading Stress YY [ksf]	-0.0693772	0.267671
Effective Stress ZZ [ksf]	0	1.83473
Effective Stress XX [ksf]	-0.0634214	2.01158
Effective Stress YY [ksf]	-0.0693772	2.01
Total Stress ZZ [ksf]	0	3.65472
Total Stress XX [ksf]	-0.0634215	3.83157
Total Stress YY [ksf]	-0.0693774	3.83
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1561.79
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1561.79
Total Strain	-4.87937e-007	0.734959
Pore Water Pressure [ksf]	-0.00059413	1.872
Excess Pore Water Pressure [ksf]	-0.000742303	3.22711e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.15432	10.0001
Void Ratio	0.542539	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Stage: Stage 19 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.85419
Total Consolidation Settlement [in]	0	9.85419
Virgin Consolidation Settlement [in]	0	5.50631
Recompression Consolidation Settlement [in]	0	4.34788
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.354762
Loading Stress XX [ksf]	-0.0634214	0.272547
Loading Stress YY [ksf]	-0.0693772	0.267671
Effective Stress ZZ [ksf]	0	1.83396
Effective Stress XX [ksf]	-0.0634214	2.01084
Effective Stress YY [ksf]	-0.0693772	2.00926
Total Stress ZZ [ksf]	0	3.65472
Total Stress XX [ksf]	-0.0634215	3.83159
Total Stress YY [ksf]	-0.0693774	3.83002
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1564.4
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1564.4
Total Strain	-4.96253e-007	0.734918
Pore Water Pressure [ksf]	-0.00059413	1.872
Excess Pore Water Pressure [ksf]	-3.23e-006	2.47325e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.15634	10.0001
Void Ratio	0.542775	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0476278

Loads

1. Rectangular Load: "Rectangular Load 1"

Length	1000 ft
Width	1000 ft
Rotation angle	0 degrees
Load Type	Flexible
Area of Load	1e+006 ft ²
Load	0.5123 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 150 d	0	0
Stage 11 = 180 d	0	0
Stage 12 = 240 d	0	0
Stage 13 = 270 d	0	0
Stage 14 = 365 d	0	0
Stage 15 = 730 d	0	0
Stage 16 = 1095 d	0	0
Stage 17 = 1825 d	0	0
Stage 18 = 3650 d	0	0
Stage 19 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1085 ft
 Width 1100 ft
 Rotation angle 0 degrees
 Load Type Flexible
 Area of Load 1.1935e+006 ft²
 Load 0.571 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.7769	0
Stage 8 = 75 d	0.7332	0
Stage 9 = 90 d	0.7252	0
Stage 10 = 150 d	0.6972	0
Stage 11 = 180 d	0.6868	0
Stage 12 = 240 d	0.6748	0
Stage 13 = 270 d	0.667	0
Stage 14 = 365 d	0.6584	0
Stage 15 = 730 d	0.637	0
Stage 16 = 1095 d	0.6283	0
Stage 17 = 1825 d	0.6226	0
Stage 18 = 3650 d	0.6213	0
Stage 19 = 7300 d	0.6213	0

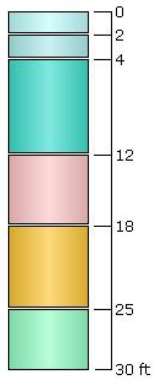
Coordinates

X [ft]	Y [ft]
-542.5	-550
542.5	-550
542.5	550
-542.5	550





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	8	4	Yes
4	Med to Stiff Clay (CH) 1	6	12	Yes
5	Very Soft to Soft Clay (CH/CL)	7	18	Yes
6	Med to Stiff Clay (CH) 2	5	25	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	2.92	0.75	0.39	0.39
Cr	0.53	0.13	0.07	0.07
e0	4.82	2.3	1.4	1.4
OCR	10	10	6.06	2.46
Cv [ft ² /d]	0.03	0.033	0.11	0.11
Cvr [ft ² /d]	0.03	0.033	0.11	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Med to Stiff Clay (CH) 1	Med to Stiff Clay (CH) 2
Color		
Unit Weight [kips/ft ³]	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.115	0.115
K0	1	1
Primary Consolidation	Enabled	Enabled
Material Type	Non-Linear	Non-Linear
Cc	0.21	0.21
Cr	0.037	0.04
e0	0.92	0.92
OCR	1.58	3.6
Cv [ft ² /d]	0.5	0.5
Cvr [ft ² /d]	0.5	0.5
B-bar	1	1
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 69

Field Point Grid

Number of points 288
Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1092.5	2000
1092.5	-2000
-1092.5	-2000
-1092.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)

Location: Orleans Parish, LA

File No.: 4585017006

Exploration: B-19

Initial Sequence of Lifts

Specific Gravity:	2.68	Initial γ (pcf):	97.58 (assumes 100% saturation)
Initial Void Ratio:	1.98	Water El (feet):	0.50
Initial Fill El (feet):	4.50	Initial stress (ksf):	0.5123 During Construction at 29 days
Initial Avg. Mudline El (feet):	-0.75	Stress at EOC (ksf):	0.571 End of Construction at 30 days
Mudline at EOC (feet):	-1.36		

Note:

Title
Manual Input
Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.631	0.631	0.797	0.802	0.823	0.827	0.830	0.830	0.832	0.833	0.826	0.822	0.822	0.821
Ending Mudline El. (feet):	-1.38	-1.38	-1.55	-1.55	-1.57	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58
Net PSDDF Settlement (feet):		0.229	0.465	0.597	0.864	0.943	1.056	1.099	1.202	1.395	1.473	1.529	1.536	1.536
Ending Fill Thickness (feet):	5.881	5.652	5.416	5.284	5.017	4.938	4.825	4.782	4.679	4.486	4.408	4.352	4.345	4.345
Ending Fill El. (feet):	4.500	4.271	3.869	3.732	3.444	3.361	3.245	3.202	3.097	2.903	2.825	2.769	2.762	2.762
Avg. Void Ratio from PSDDF:	1.98	1.840	1.720	1.604	1.450	1.420	1.360	1.340	1.290	1.197	1.160	1.130	1.130	1.130
Ending γ (pcf):	97.58	99.31	100.94	102.66	105.19	105.72	106.82	107.20	108.18	110.12	110.93	111.62	111.62	111.62
Effective Stress at End Time (ksf):	0.5714	0.444	0.419	0.414	0.398	0.392	0.386	0.383	0.376	0.364	0.359	0.356	0.355	0.355

DRAFT

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creati
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-19
Mudline El.: -0.75 feet

LEGEND	
	Title
	Manual Input
	Calculation

Load End Time (days)	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.512	0.571	0.444	0.419	0.414	0.398	0.392	0.386	0.383	0.376	0.364	0.359	0.356	0.355	
Layer 1	0.478	0.491	0.491	0.572	0.570	0.569	0.567	0.566	0.565	0.564	0.563	0.561	0.560	0.560	0.560
Layer 2	0.019	0.020	0.020	0.048	0.050	0.055	0.056	0.057	0.057	0.057	0.058	0.057	0.056	0.056	0.056
Layer 3	0.027	0.028	0.028	0.051	0.057	0.074	0.079	0.085	0.086	0.089	0.091	0.089	0.088	0.088	0.088
Layer 4	0.052	0.060	0.060	0.079	0.078	0.077	0.077	0.076	0.076	0.076	0.076	0.075	0.075	0.075	0.074
Layer 5	0.020	0.020	0.020	0.032	0.033	0.034	0.034	0.033	0.033	0.033	0.032	0.031	0.031	0.031	0.031
Layer 6	0.010	0.012	0.012	0.015	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.61	0.63	0.63	0.80	0.80	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.82	0.82	0.82

DRAFT

Settle3D Analysis Information

Marsh Creation PO-169

Project Settings

Document Name	B456 Cell 3 Marsh Calcs EI +4.5 feet Sand.s3z
Project Title	Marsh Creation PO-169
Analysis	Hydraulic Fill Settlement
Author	VT
Company	S&ME
Date Created	4/12/2018

Comments	
?	
Cell 2	
4585-17-006	
Marsh Restoration Area	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	150
11	Stage 11	180
12	Stage 12	240
13	Stage 13	270
14	Stage 14	365
15	Stage 15	730
16	Stage 16	1095
17	Stage 17	1825
18	Stage 18	3650
19	Stage 19	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.184817
Loading Stress XX [ksf]	-0.0302205	0.143755
Loading Stress YY [ksf]	-0.0327604	0.141855
Effective Stress ZZ [ksf]	-2.45711e-019	1.428
Effective Stress XX [ksf]	-0.0302205	1.54542
Effective Stress YY [ksf]	-0.0327604	1.54542
Total Stress ZZ [ksf]	0	3.48479
Total Stress XX [ksf]	-0.0302205	3.60221
Total Stress YY [ksf]	-0.0327604	3.60221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	2.05679
Excess Pore Water Pressure [ksf]	0	0.184817
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1.58	10
Void Ratio	0.92	4.82
Permeability [ft/d]	7.47686e-005	0.0268548
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.60761
Total Consolidation Settlement [in]	0	3.60761
Virgin Consolidation Settlement [in]	0	1.67806
Recompression Consolidation Settlement [in]	0	1.92955
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.369633
Loading Stress XX [ksf]	-0.060441	0.287509
Loading Stress YY [ksf]	-0.0655207	0.283711
Effective Stress ZZ [ksf]	-6.03798e-011	1.48575
Effective Stress XX [ksf]	-0.060441	1.70184
Effective Stress YY [ksf]	-0.0655207	1.70184
Total Stress ZZ [ksf]	0	3.66957
Total Stress XX [ksf]	-0.060441	3.88567
Total Stress YY [ksf]	-0.0655207	3.88567
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	10280.8
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	10280.8
Total Strain	-7.42829e-008	0.598416
Pore Water Pressure [ksf]	-0.000119398	2.18382
Excess Pore Water Pressure [ksf]	0	0.369628
Degree of Consolidation [%]	0	43.1168
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10
Void Ratio	0.914521	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0107223

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.08169
Total Consolidation Settlement [in]	0	6.08169
Virgin Consolidation Settlement [in]	0	3.24723
Recompression Consolidation Settlement [in]	0	2.83446
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-5.80758e-011	1.60341
Effective Stress XX [ksf]	-0.0915773	1.92762
Effective Stress YY [ksf]	-0.0992738	1.92762
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.18417
Total Stress YY [ksf]	-0.0992738	4.18417
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5330.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5330.94
Total Strain	-2.06494e-007	0.708294
Pore Water Pressure [ksf]	-0.000185347	2.25655
Excess Pore Water Pressure [ksf]	0	0.55966
Degree of Consolidation [%]	0	59.3944
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.697729	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0339506

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.20785
Total Consolidation Settlement [in]	0	8.20785
Virgin Consolidation Settlement [in]	0	4.78069
Recompression Consolidation Settlement [in]	0	3.42715
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.76694
Effective Stress XX [ksf]	-0.0915773	2.08689
Effective Stress YY [ksf]	-0.0992738	2.087
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.17312
Total Stress YY [ksf]	-0.0992738	4.17312
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	3131.29
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3131.29
Total Strain	-3.6589e-007	0.748331
Pore Water Pressure [ksf]	-0.000345501	2.12054
Excess Pore Water Pressure [ksf]	-1.0709e-008	0.557583
Degree of Consolidation [%]	0	82.2577
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.464712	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.33647
Total Consolidation Settlement [in]	0	8.33647
Virgin Consolidation Settlement [in]	0	4.86602
Recompression Consolidation Settlement [in]	0	3.47045
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-2.41197e-011	1.7676
Effective Stress XX [ksf]	-0.0915773	2.08689
Effective Stress YY [ksf]	-0.0992738	2.087
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.17244
Total Stress YY [ksf]	-0.0992738	4.17244
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2999.77
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2999.77
Total Strain	-3.79669e-007	0.748497
Pore Water Pressure [ksf]	-0.000384735	2.10542
Excess Pore Water Pressure [ksf]	-3.55853e-008	0.557161
Degree of Consolidation [%]	0	83.2074
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.463746	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.4549
Total Consolidation Settlement [in]	0	8.4549
Virgin Consolidation Settlement [in]	0	4.94291
Recompression Consolidation Settlement [in]	0	3.51199
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-2.5808e-026	1.76905
Effective Stress XX [ksf]	-0.0915773	2.08689
Effective Stress YY [ksf]	-0.0992738	2.087
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.17183
Total Stress YY [ksf]	-0.0992738	4.17183
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2884.51
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2884.51
Total Strain	-3.9417e-007	0.748618
Pore Water Pressure [ksf]	-0.000416367	2.09091
Excess Pore Water Pressure [ksf]	-6.20437e-008	0.556687
Degree of Consolidation [%]	0	83.9879
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.463041	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.51385
Total Consolidation Settlement [in]	0	9.51385
Virgin Consolidation Settlement [in]	0	5.56116
Recompression Consolidation Settlement [in]	0	3.95269
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.9117
Effective Stress XX [ksf]	-0.0915773	2.21807
Effective Stress YY [ksf]	-0.0992738	2.21807
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.16632
Total Stress YY [ksf]	-0.0992739	4.16632
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	2118.04
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	2118.04
Total Strain	-5.6586e-007	0.749334
Pore Water Pressure [ksf]	-0.000474492	1.94826
Excess Pore Water Pressure [ksf]	-1.64736e-006	0.542812
Degree of Consolidation [%]	0	90.4342
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0003
Void Ratio	0.458877	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.4986
Total Consolidation Settlement [in]	0	10.4986
Virgin Consolidation Settlement [in]	0	6.04491
Recompression Consolidation Settlement [in]	0	4.45369
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.01686
Effective Stress XX [ksf]	-0.0915773	2.3181
Effective Stress YY [ksf]	-0.0992738	2.3181
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.1612
Total Stress YY [ksf]	-0.0992739	4.1612
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1789.72
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1789.72
Total Strain	-6.76229e-007	0.749815
Pore Water Pressure [ksf]	-0.000503558	1.87208
Excess Pore Water Pressure [ksf]	-2.96938e-007	0.472312
Degree of Consolidation [%]	0	97.9092
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0004
Void Ratio	0.456079	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.762
Total Consolidation Settlement [in]	0	10.762
Virgin Consolidation Settlement [in]	0	6.14302
Recompression Consolidation Settlement [in]	0	4.61894
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.0323
Effective Stress XX [ksf]	-0.0915773	2.33218
Effective Stress YY [ksf]	-0.0992738	2.33218
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15983
Total Stress YY [ksf]	-0.0992739	4.15983
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1751.05
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1751.05
Total Strain	-6.35248e-007	0.749917
Pore Water Pressure [ksf]	-0.000550501	1.87203
Excess Pore Water Pressure [ksf]	-1.33537e-006	0.428728
Degree of Consolidation [%]	0	99.0613
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0004
Void Ratio	0.455485	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 10 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.2905
Total Consolidation Settlement [in]	0	11.2905
Virgin Consolidation Settlement [in]	0	6.28757
Recompression Consolidation Settlement [in]	0	5.00289
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.04618
Effective Stress XX [ksf]	-0.0915773	2.34331
Effective Stress YY [ksf]	-0.0992738	2.34331
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15708
Total Stress YY [ksf]	-0.0992739	4.15708
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1717.93
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1717.93
Total Strain	-2.91931e-007	0.750059
Pore Water Pressure [ksf]	-0.00063777	1.872
Excess Pore Water Pressure [ksf]	-1.19797e-006	0.264477
Degree of Consolidation [%]	0	99.9707
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0002
Void Ratio	0.454657	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 11 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.4147
Total Consolidation Settlement [in]	0	11.4147
Virgin Consolidation Settlement [in]	0	6.30682
Recompression Consolidation Settlement [in]	0	5.10783
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-5.10341e-011	2.04722
Effective Stress XX [ksf]	-0.0915773	2.34369
Effective Stress YY [ksf]	-0.0992738	2.34369
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15644
Total Stress YY [ksf]	-0.0992739	4.15644
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1715.52
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1715.52
Total Strain	-3.12741e-007	0.75008
Pore Water Pressure [ksf]	-0.000657732	1.872
Excess Pore Water Pressure [ksf]	-1.16047e-006	0.203364
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454534	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 12 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.5586
Total Consolidation Settlement [in]	0	11.5586
Virgin Consolidation Settlement [in]	0	6.32274
Recompression Consolidation Settlement [in]	0	5.23581
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-4.2366e-011	2.04806
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15569
Total Stress YY [ksf]	-0.0992739	4.15569
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1713.56
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1713.56
Total Strain	-3.3552e-007	0.750098
Pore Water Pressure [ksf]	-0.000678921	1.872
Excess Pore Water Pressure [ksf]	-3.16497e-007	0.11913
Degree of Consolidation [%]	0	99.9997
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454429	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 13 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.6017
Total Consolidation Settlement [in]	0	11.6017
Virgin Consolidation Settlement [in]	0	6.32661
Recompression Consolidation Settlement [in]	0	5.27511
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.04829
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15546
Total Stress YY [ksf]	-0.0992739	4.15546
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1713.04
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1713.04
Total Strain	-3.55059e-007	0.750103
Pore Water Pressure [ksf]	-0.000684929	1.872
Excess Pore Water Pressure [ksf]	-3.15217e-007	0.0910209
Degree of Consolidation [%]	0	99.9999
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454403	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 14 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.6774
Total Consolidation Settlement [in]	0	11.6774
Virgin Consolidation Settlement [in]	0	6.33295
Recompression Consolidation Settlement [in]	0	5.34448
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-2.1968e-011	2.04868
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15507
Total Stress YY [ksf]	-0.0992739	4.15507
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1712.12
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1712.12
Total Strain	-3.71596e-007	0.75011
Pore Water Pressure [ksf]	-0.000695599	1.872
Excess Pore Water Pressure [ksf]	-1.0578e-006	0.0387418
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454359	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 15 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7286
Total Consolidation Settlement [in]	0	11.7286
Virgin Consolidation Settlement [in]	0	6.3372
Recompression Consolidation Settlement [in]	0	5.3914
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-3.6227e-011	2.04895
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.1548
Total Stress YY [ksf]	-0.0992739	4.1548
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1711.51
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1711.51
Total Strain	-3.851e-007	0.750115
Pore Water Pressure [ksf]	-0.000702814	1.872
Excess Pore Water Pressure [ksf]	-3.0572e-007	0.00144889
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.45433	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 16 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7305
Total Consolidation Settlement [in]	0	11.7305
Virgin Consolidation Settlement [in]	0	6.33735
Recompression Consolidation Settlement [in]	0	5.39312
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.04896
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15479
Total Stress YY [ksf]	-0.0992739	4.15479
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1711.48
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1711.48
Total Strain	-3.95345e-007	0.750115
Pore Water Pressure [ksf]	-0.000703106	1.872
Excess Pore Water Pressure [ksf]	-3.03268e-007	5.39519e-005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454329	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 17 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7306
Total Consolidation Settlement [in]	0	11.7306
Virgin Consolidation Settlement [in]	0	6.33736
Recompression Consolidation Settlement [in]	0	5.39319
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.04896
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15479
Total Stress YY [ksf]	-0.0992739	4.15479
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1711.48
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1711.48
Total Strain	-4.02548e-007	0.750115
Pore Water Pressure [ksf]	-0.000703118	1.872
Excess Pore Water Pressure [ksf]	-3.01498e-007	1.00772e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454329	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 18 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7306
Total Consolidation Settlement [in]	0	11.7306
Virgin Consolidation Settlement [in]	0	6.33736
Recompression Consolidation Settlement [in]	0	5.39319
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-6.63719e-012	2.04896
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15479
Total Stress YY [ksf]	-0.0992739	4.15479
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1711.48
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1711.48
Total Strain	-4.06924e-007	0.750115
Pore Water Pressure [ksf]	-0.000703118	1.872
Excess Pore Water Pressure [ksf]	-1.00041e-006	3.00093e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454329	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Stage: Stage 19 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7306
Total Consolidation Settlement [in]	0	11.7306
Virgin Consolidation Settlement [in]	0	6.33736
Recompression Consolidation Settlement [in]	0	5.39319
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	2.04896
Effective Stress XX [ksf]	-0.0915773	2.34379
Effective Stress YY [ksf]	-0.0992738	2.34379
Total Stress ZZ [ksf]	0	3.85996
Total Stress XX [ksf]	-0.0915774	4.15479
Total Stress YY [ksf]	-0.0992739	4.15479
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	1711.48
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	1711.48
Total Strain	-4.08706e-007	0.750115
Pore Water Pressure [ksf]	-0.000703118	1.872
Excess Pore Water Pressure [ksf]	-2.99567e-007	9.9769e-007
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.0276	5.13133
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454329	4.82
Permeability [ft/d]	7.47686e-005	0.147955
Coefficient of Consolidation [ft ² /d]	0.03	0.5
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0469406

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.56005 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 150 d	1	0
Stage 11 = 180 d	1	0
Stage 12 = 240 d	1	0
Stage 13 = 270 d	1	0
Stage 14 = 365 d	1	0
Stage 15 = 730 d	1	0
Stage 16 = 1095 d	1	0
Stage 17 = 1825 d	1	0
Stage 18 = 3650 d	1	0
Stage 19 = 7300 d	1	0

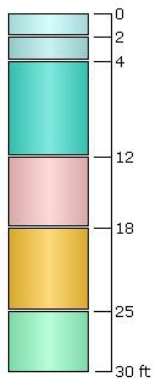
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers



Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	2	0	No
2	Very Soft Clay (CH) 2	2	2	No
3	Very Soft Clay (CH) 3	8	4	Yes
4	Med to Stiff Clay (CH) 1	6	12	Yes
5	Very Soft to Soft Clay (CH/CL)	7	18	Yes
6	Med to Stiff Clay (CH) 2	5	25	No



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Very Soft to Soft Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.09	0.105	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	2.92	0.75	0.39	0.39
Cr	0.53	0.13	0.07	0.07
e0	4.82	2.3	1.4	1.4
OCR	10	10	6.06	2.46
Cv [ft ² /d]	0.03	0.033	0.11	0.11
Cvr [ft ² /d]	0.03	0.033	0.11	0.11
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Property	Med to Stiff Clay (CH) 1	Med to Stiff Clay (CH) 2
Color		
Unit Weight [kips/ft ³]	0.115	0.115
Saturated Unit Weight [kips/ft ³]	0.115	0.115
K0	1	1
Primary Consolidation	Enabled	Enabled
Material Type	Non-Linear	Non-Linear
Cc	0.21	0.21
Cr	0.037	0.04
e0	0.92	0.92
OCR	1.58	3.6
Cv [ft ² /d]	0.5	0.5
Cvr [ft ² /d]	0.5	0.5
B-bar	1	1
Undrained Su A [kips/ft ²]	0	0
Undrained Su S	0.2	0.2
Undrained Su m	0.8	0.8
Piezo Line ID	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 69

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000

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100 'B456 E1 +2.0 PO-169' 1 1
101 1 1 1
102 6.11 0.0001 50 -0.75 0.5 62.4 0
103 0 0 1
104 1 2.68 0.009 0.098 1.75 2.37 0.796 0.43 10
105 06.25 0.00E+00 1.41E+02
106 02.73 1.00E+00 2.45E-01
107 02.46 2.00E+00 9.02E-02
108 02.11 5.00E+00 2.41E-02
109 01.85 1.00E+01 8.88E-03
110 01.50 2.50E+01 2.37E-03
111 01.23 5.00E+01 8.74E-04
112 00.97 1.00E+02 3.22E-04
113 00.71 2.00E+02 1.19E-04
114 00.44 4.00E+02 4.37E-05
115 20
116 1 60 4 1 6.25 1 35
117 10 2.5 60 4 1 6.25 1 35
118 20 2.5 60 4 1 6.25 1 35
119 30 1 60 4 1 6.25 1 35
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

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Settle3D Analysis Information

PO-169

Project Settings

Document Name	B456 Marsh Calcs El +2.5 feet.s3z
Project Title	PO-169
Analysis	Containment Dike Settlement
Author	VT
Company	S&ME
4585-17-006	
Containment Dike	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 27.7847 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.057366
Loading Stress XX [ksf]	-0.00938028	0.0446206
Loading Stress YY [ksf]	-0.0101686	0.0440311
Effective Stress ZZ [ksf]	-9.55999e-019	1.258
Effective Stress XX [ksf]	-0.00938028	1.29445
Effective Stress YY [ksf]	-0.0101686	1.29445
Total Stress ZZ [ksf]	0	3.18736
Total Stress XX [ksf]	-0.00938028	3.2238
Total Stress YY [ksf]	-0.0101686	3.2238
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.92936
Excess Pore Water Pressure [ksf]	0	0.057366
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	3.06	10
Void Ratio	1.13	6.11
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	2.53125
Total Consolidation Settlement [in]	0	2.53125
Virgin Consolidation Settlement [in]	0	0.895087
Recompression Consolidation Settlement [in]	0	1.63617
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.168911
Loading Stress XX [ksf]	-0.0276197	0.131383
Loading Stress YY [ksf]	-0.029941	0.129647
Effective Stress ZZ [ksf]	-4.05666e-011	1.32849
Effective Stress XX [ksf]	-0.0276197	1.42268
Effective Stress YY [ksf]	-0.029941	1.42268
Total Stress ZZ [ksf]	0	3.29888
Total Stress XX [ksf]	-0.0276197	3.39307
Total Stress YY [ksf]	-0.029941	3.39307
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	13627.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	13627.2
Total Strain	-2.33117e-008	0.613984
Pore Water Pressure [ksf]	-0.000351333	1.97039
Excess Pore Water Pressure [ksf]	0	0.168905
Degree of Consolidation [%]	0	43.3706
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10
Void Ratio	1.12783	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.00491228

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.56675
Total Consolidation Settlement [in]	0	4.56675
Virgin Consolidation Settlement [in]	0	1.751
Recompression Consolidation Settlement [in]	0	2.81575
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.280456
Loading Stress XX [ksf]	-0.0458591	0.218145
Loading Stress YY [ksf]	-0.0497133	0.215263
Effective Stress ZZ [ksf]	-6.02776e-011	1.45062
Effective Stress XX [ksf]	-0.0458591	1.60507
Effective Stress YY [ksf]	-0.0497133	1.60507
Total Stress ZZ [ksf]	0	3.41041
Total Stress XX [ksf]	-0.0458592	3.56486
Total Stress YY [ksf]	-0.0497133	3.56486
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9156.93
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9156.93
Total Strain	-2.18722e-007	0.743556
Pore Water Pressure [ksf]	-0.000671585	1.96291
Excess Pore Water Pressure [ksf]	0	0.280256
Degree of Consolidation [%]	0	62.1988
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0001
Void Ratio	0.823315	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.00798962

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.6939
Total Consolidation Settlement [in]	0	6.6939
Virgin Consolidation Settlement [in]	0	2.99122
Recompression Consolidation Settlement [in]	0	3.70269
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.3187
Loading Stress XX [ksf]	-0.0521127	0.247892
Loading Stress YY [ksf]	-0.0564924	0.244617
Effective Stress ZZ [ksf]	-1.2904e-026	1.57322
Effective Stress XX [ksf]	-0.0521127	1.7409
Effective Stress YY [ksf]	-0.0564924	1.7409
Total Stress ZZ [ksf]	0	3.44865
Total Stress XX [ksf]	-0.0521127	3.61633
Total Stress YY [ksf]	-0.0564924	3.61633
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6263.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6263.94
Total Strain	-3.53155e-007	0.79792
Pore Water Pressure [ksf]	-0.00089204	1.93105
Excess Pore Water Pressure [ksf]	0	0.317567
Degree of Consolidation [%]	0	88.5585
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0001
Void Ratio	0.436786	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	2.4317	100
Undrained Shear Strength	0	0.0135253

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	6.96187
Total Consolidation Settlement [in]	0	6.96187
Virgin Consolidation Settlement [in]	0	3.15901
Recompression Consolidation Settlement [in]	0	3.80288
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.376
Loading Stress XX [ksf]	-0.0672181	0.288863
Loading Stress YY [ksf]	-0.0735304	0.283695
Effective Stress ZZ [ksf]	-2.2189e-011	1.61285
Effective Stress XX [ksf]	-0.0672181	1.81842
Effective Stress YY [ksf]	-0.0735304	1.81675
Total Stress ZZ [ksf]	0	3.50595
Total Stress XX [ksf]	-0.0672181	3.71153
Total Stress YY [ksf]	-0.0735305	3.70986
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	47308.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	47308.2
Total Strain	-5.45425e-007	0.825467
Pore Water Pressure [ksf]	-0.00106968	1.987
Excess Pore Water Pressure [ksf]	-1.33152e-006	0.37468
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0002
Void Ratio	0.240929	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.0139463

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.34538
Total Consolidation Settlement [in]	0	7.34538
Virgin Consolidation Settlement [in]	0	3.41213
Recompression Consolidation Settlement [in]	0	3.93325
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.376
Loading Stress XX [ksf]	-0.0672181	0.288863
Loading Stress YY [ksf]	-0.0735304	0.283695
Effective Stress ZZ [ksf]	0	1.67215
Effective Stress XX [ksf]	-0.0672181	1.87573
Effective Stress YY [ksf]	-0.0735304	1.87406
Total Stress ZZ [ksf]	0	3.50595
Total Stress XX [ksf]	-0.0672181	3.70953
Total Stress YY [ksf]	-0.0735305	3.70786
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5818.19
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5818.19
Total Strain	-6.88282e-007	0.840083
Pore Water Pressure [ksf]	-0.00126703	1.98056
Excess Pore Water Pressure [ksf]	-3.38681e-006	0.374471
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0002
Void Ratio	0.137011	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	1.03394	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.0664
Total Consolidation Settlement [in]	0	9.0664
Virgin Consolidation Settlement [in]	0	4.20303
Recompression Consolidation Settlement [in]	0	4.86337
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.245603
Loading Stress XX [ksf]	-0.0439068	0.188685
Loading Stress YY [ksf]	-0.0480301	0.18531
Effective Stress ZZ [ksf]	-9.43261e-020	1.68109
Effective Stress XX [ksf]	-0.0439068	1.79188
Effective Stress YY [ksf]	-0.0480301	1.79079
Total Stress ZZ [ksf]	0	3.37557
Total Stress XX [ksf]	-0.0439069	3.48636
Total Stress YY [ksf]	-0.0480301	3.48527
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	3718.79
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	3718.79
Total Strain	-1.51952e-006	0.834903
Pore Water Pressure [ksf]	-0.130622	1.872
Excess Pore Water Pressure [ksf]	-0.130397	0.238005
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	0.173841	6.11001
Permeability [ft/d]	7.69953e-005	0.118238
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	26.485	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.42551
Total Consolidation Settlement [in]	0	9.42551
Virgin Consolidation Settlement [in]	0	4.20591
Recompression Consolidation Settlement [in]	0	5.2196
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.233646
Loading Stress XX [ksf]	-0.0417693	0.179499
Loading Stress YY [ksf]	-0.0456918	0.176288
Effective Stress ZZ [ksf]	0	1.55258
Effective Stress XX [ksf]	-0.0417693	1.65381
Effective Stress YY [ksf]	-0.0456918	1.65277
Total Stress ZZ [ksf]	0	3.36362
Total Stress XX [ksf]	-0.0417694	3.46484
Total Stress YY [ksf]	-0.0456919	3.46381
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5230.49
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5230.49
Total Strain	-2.02112e-006	0.826178
Pore Water Pressure [ksf]	-0.0126316	1.872
Excess Pore Water Pressure [ksf]	-0.0119568	0.190662
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.21647	10.0006
Void Ratio	0.235875	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	17.0888	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.59328
Total Consolidation Settlement [in]	0	9.59328
Virgin Consolidation Settlement [in]	0	4.20591
Recompression Consolidation Settlement [in]	0	5.38738
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.229924
Loading Stress XX [ksf]	-0.0411039	0.17664
Loading Stress YY [ksf]	-0.0449638	0.17348
Effective Stress ZZ [ksf]	0	1.5415
Effective Stress XX [ksf]	-0.0411039	1.63946
Effective Stress YY [ksf]	-0.0449638	1.63844
Total Stress ZZ [ksf]	0	3.3599
Total Stress XX [ksf]	-0.041104	3.45786
Total Stress YY [ksf]	-0.0449639	3.45684
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5405.23
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5405.23
Total Strain	-2.10362e-006	0.825068
Pore Water Pressure [ksf]	-0.00445208	1.872
Excess Pore Water Pressure [ksf]	-0.0037224	0.166662
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.24052	10.0006
Void Ratio	0.243769	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	16.9962	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.88232
Total Consolidation Settlement [in]	0	9.88232
Virgin Consolidation Settlement [in]	0	4.20591
Recompression Consolidation Settlement [in]	0	5.67641
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.229924
Loading Stress XX [ksf]	-0.0411039	0.17664
Loading Stress YY [ksf]	-0.0449638	0.17348
Effective Stress ZZ [ksf]	0	1.53928
Effective Stress XX [ksf]	-0.0411039	1.63574
Effective Stress YY [ksf]	-0.0449638	1.63472
Total Stress ZZ [ksf]	0	3.3599
Total Stress XX [ksf]	-0.041104	3.45635
Total Stress YY [ksf]	-0.0449639	3.45533
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5487.36
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5487.36
Total Strain	-2.05939e-006	0.824806
Pore Water Pressure [ksf]	-0.00175992	1.872
Excess Pore Water Pressure [ksf]	-1.44959e-006	0.135235
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.24737	10.0006
Void Ratio	0.245627	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	20.3768	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.1068
Total Consolidation Settlement [in]	0	10.1068
Virgin Consolidation Settlement [in]	0	4.20591
Recompression Consolidation Settlement [in]	0	5.90089
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.218381
Loading Stress XX [ksf]	-0.0390403	0.167771
Loading Stress YY [ksf]	-0.0427065	0.16477
Effective Stress ZZ [ksf]	-6.76955e-019	1.54045
Effective Stress XX [ksf]	-0.0390403	1.62832
Effective Stress YY [ksf]	-0.0427065	1.62735
Total Stress ZZ [ksf]	0	3.34835
Total Stress XX [ksf]	-0.0390404	3.43622
Total Stress YY [ksf]	-0.0427066	3.43525
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5208.38
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5208.38
Total Strain	-1.69687e-006	0.823961
Pore Water Pressure [ksf]	-0.012384	1.872
Excess Pore Water Pressure [ksf]	-0.0115432	0.0998209
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.22213	10.0005
Void Ratio	0.25164	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	29.6632	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.212
Total Consolidation Settlement [in]	0	10.212
Virgin Consolidation Settlement [in]	0	4.20591
Recompression Consolidation Settlement [in]	0	6.0061
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.21541
Loading Stress XX [ksf]	-0.0385092	0.165489
Loading Stress YY [ksf]	-0.0421256	0.162529
Effective Stress ZZ [ksf]	-4.47013e-019	1.52946
Effective Stress XX [ksf]	-0.0385092	1.61487
Effective Stress YY [ksf]	-0.0421256	1.61391
Total Stress ZZ [ksf]	0	3.34538
Total Stress XX [ksf]	-0.0385095	3.43079
Total Stress YY [ksf]	-0.0421257	3.42984
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5404.38
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5404.38
Total Strain	-1.26708e-006	0.822863
Pore Water Pressure [ksf]	-0.00385495	1.872
Excess Pore Water Pressure [ksf]	-0.0029704	0.077674
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.13431	10.0004
Void Ratio	0.259445	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	40.4607	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.3831
Total Consolidation Settlement [in]	0	10.3831
Virgin Consolidation Settlement [in]	0	4.20591
Recompression Consolidation Settlement [in]	0	6.17715
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.210974
Loading Stress XX [ksf]	-0.0377161	0.162081
Loading Stress YY [ksf]	-0.0412579	0.159181
Effective Stress ZZ [ksf]	0	1.52737
Effective Stress XX [ksf]	-0.0377161	1.60904
Effective Stress YY [ksf]	-0.0412579	1.60811
Total Stress ZZ [ksf]	0	3.34095
Total Stress XX [ksf]	-0.0377163	3.42262
Total Stress YY [ksf]	-0.0412581	3.42168
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5362.88
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5362.88
Total Strain	-1.27454e-006	0.822292
Pore Water Pressure [ksf]	-0.00536067	1.872
Excess Pore Water Pressure [ksf]	-0.0044368	0.0467923
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.03596	10.0004
Void Ratio	0.263506	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	60.1222	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.4203
Total Consolidation Settlement [in]	0	10.4203
Virgin Consolidation Settlement [in]	0	4.20693
Recompression Consolidation Settlement [in]	0	6.21334
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.20962
Loading Stress XX [ksf]	-0.0374741	0.161041
Loading Stress YY [ksf]	-0.0409932	0.15816
Effective Stress ZZ [ksf]	-2.84366e-019	1.52313
Effective Stress XX [ksf]	-0.0374741	1.60374
Effective Stress YY [ksf]	-0.0409932	1.60281
Total Stress ZZ [ksf]	0	3.33959
Total Stress XX [ksf]	-0.0374744	3.4202
Total Stress YY [ksf]	-0.0409934	3.41927
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5438.73
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5438.73
Total Strain	-1.27452e-006	0.821836
Pore Water Pressure [ksf]	-0.00229391	1.872
Excess Pore Water Pressure [ksf]	-0.00385692	0.0364262
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.01209	10.0004
Void Ratio	0.266746	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	68.094	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5193
Total Consolidation Settlement [in]	0	10.5193
Virgin Consolidation Settlement [in]	0	4.22335
Recompression Consolidation Settlement [in]	0	6.29596
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.206198
Loading Stress XX [ksf]	-0.0368624	0.158412
Loading Stress YY [ksf]	-0.0403241	0.155578
Effective Stress ZZ [ksf]	0	1.52229
Effective Stress XX [ksf]	-0.0368624	1.60018
Effective Stress YY [ksf]	-0.0403241	1.59927
Total Stress ZZ [ksf]	0	3.33617
Total Stress XX [ksf]	-0.0368627	3.41406
Total Stress YY [ksf]	-0.0403243	3.41315
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5383.17
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5383.17
Total Strain	-1.27364e-006	0.821458
Pore Water Pressure [ksf]	-0.00438675	1.872
Excess Pore Water Pressure [ksf]	-0.00456468	0.017556
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	0.269436	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	84.5129	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.6117
Total Consolidation Settlement [in]	0	10.6117
Virgin Consolidation Settlement [in]	0	4.26056
Recompression Consolidation Settlement [in]	0	6.35119
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.202777
Loading Stress XX [ksf]	-0.0362507	0.155784
Loading Stress YY [ksf]	-0.0396549	0.152997
Effective Stress ZZ [ksf]	-8.70667e-012	1.51935
Effective Stress XX [ksf]	-0.0362507	1.59456
Effective Stress YY [ksf]	-0.0396549	1.59366
Total Stress ZZ [ksf]	-2.64698e-023	3.33275
Total Stress XX [ksf]	-0.0362511	3.40796
Total Stress YY [ksf]	-0.0396552	3.40706
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5380.64
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5380.64
Total Strain	-1.27563e-006	0.820907
Pore Water Pressure [ksf]	-0.00441831	1.872
Excess Pore Water Pressure [ksf]	-0.00348095	0.000223733
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	0.27335	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.4104	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5841
Total Consolidation Settlement [in]	0	10.5841
Virgin Consolidation Settlement [in]	0	4.26251
Recompression Consolidation Settlement [in]	0	6.32158
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.202589
Loading Stress XX [ksf]	-0.0362171	0.155639
Loading Stress YY [ksf]	-0.0396182	0.152855
Effective Stress ZZ [ksf]	0	1.51579
Effective Stress XX [ksf]	-0.0362171	1.59102
Effective Stress YY [ksf]	-0.0396182	1.59012
Total Stress ZZ [ksf]	-2.64698e-023	3.33256
Total Stress XX [ksf]	-0.0362175	3.40779
Total Stress YY [ksf]	-0.0396184	3.4069
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5466.14
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5466.14
Total Strain	-1.27557e-006	0.82061
Pore Water Pressure [ksf]	-0.00192389	1.872
Excess Pore Water Pressure [ksf]	-0.000344737	5.79245e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.00084	10.0004
Void Ratio	0.275461	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9926	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5802
Total Consolidation Settlement [in]	0	10.5802
Virgin Consolidation Settlement [in]	0	4.26251
Recompression Consolidation Settlement [in]	0	6.31769
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.202589
Loading Stress XX [ksf]	-0.0362171	0.155639
Loading Stress YY [ksf]	-0.0396182	0.152855
Effective Stress ZZ [ksf]	-1.51184e-011	1.51558
Effective Stress XX [ksf]	-0.0362171	1.59083
Effective Stress YY [ksf]	-0.0396182	1.58993
Total Stress ZZ [ksf]	-2.64698e-023	3.33256
Total Stress XX [ksf]	-0.0362175	3.40781
Total Stress YY [ksf]	-0.0396184	3.40692
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5473.01
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5473.01
Total Strain	-1.27534e-006	0.820595
Pore Water Pressure [ksf]	-0.00192389	1.872
Excess Pore Water Pressure [ksf]	-2.01344e-005	5.63735e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.00188	10.0004
Void Ratio	0.275571	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9468	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5801
Total Consolidation Settlement [in]	0	10.5801
Virgin Consolidation Settlement [in]	0	4.26251
Recompression Consolidation Settlement [in]	0	6.31757
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.202589
Loading Stress XX [ksf]	-0.0362171	0.155639
Loading Stress YY [ksf]	-0.0396182	0.152855
Effective Stress ZZ [ksf]	0	1.51558
Effective Stress XX [ksf]	-0.0362171	1.59083
Effective Stress YY [ksf]	-0.0396182	1.58993
Total Stress ZZ [ksf]	-2.64698e-023	3.33256
Total Stress XX [ksf]	-0.0362175	3.40781
Total Stress YY [ksf]	-0.0396184	3.40692
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5472.88
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5472.88
Total Strain	-1.27496e-006	0.820595
Pore Water Pressure [ksf]	-0.00192389	1.872
Excess Pore Water Pressure [ksf]	-5.51303e-006	2.63956e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.00195	10.0004
Void Ratio	0.275571	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9941	100
Undrained Shear Strength	0	0.0249938

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5801
Total Consolidation Settlement [in]	0	10.5801
Virgin Consolidation Settlement [in]	0	4.26251
Recompression Consolidation Settlement [in]	0	6.31757
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.202589
Loading Stress XX [ksf]	-0.0362171	0.155639
Loading Stress YY [ksf]	-0.0396182	0.152855
Effective Stress ZZ [ksf]	0	1.51558
Effective Stress XX [ksf]	-0.0362171	1.59083
Effective Stress YY [ksf]	-0.0396182	1.58993
Total Stress ZZ [ksf]	-2.64698e-023	3.33256
Total Stress XX [ksf]	-0.0362175	3.40781
Total Stress YY [ksf]	-0.0396184	3.40692
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5469.62
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5469.62
Total Strain	-1.27495e-006	0.820595
Pore Water Pressure [ksf]	-0.00192389	1.872
Excess Pore Water Pressure [ksf]	-5.4292e-006	1.69845e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1.00195	10.0004
Void Ratio	0.275571	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9842	100
Undrained Shear Strength	0	0.0249938

Loads

1. Rectangular Load: "Rectangular Load 1"

Length 1000 ft
Width 1000 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.3187 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.18	0
Stage 2 = 10 d	0.53	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 120 d	0	0
Stage 11 = 150 d	0	0
Stage 12 = 180 d	0	0
Stage 13 = 240 d	0	0
Stage 14 = 270 d	0	0
Stage 15 = 365 d	0	0
Stage 16 = 730 d	0	0
Stage 17 = 1095 d	0	0
Stage 18 = 1825 d	0	0
Stage 19 = 3650 d	0	0
Stage 20 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1085 ft
Width 1100 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1.1935e+006 ft²
Load 0.376 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.6532	0
Stage 8 = 75 d	0.6214	0
Stage 9 = 90 d	0.6115	0
Stage 10 = 120 d	0.6115	0
Stage 11 = 150 d	0.5808	0
Stage 12 = 180 d	0.5729	0
Stage 13 = 240 d	0.5611	0
Stage 14 = 270 d	0.5575	0
Stage 15 = 365 d	0.5484	0
Stage 16 = 730 d	0.5393	0
Stage 17 = 1095 d	0.5388	0
Stage 18 = 1825 d	0.5388	0
Stage 19 = 3650 d	0.5388	0
Stage 20 = 7300 d	0.5388	0

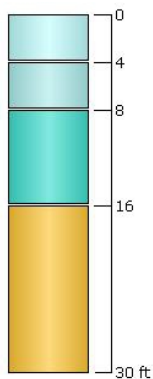
Coordinates

X [ft]	Y [ft]
-542.5	-550
542.5	-550
542.5	550
-542.5	550





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	4	0	No
2	Very Soft Clay (CH) 2	4	4	Yes
3	Very Soft Clay (CH) 3	8	8	Yes
4	Medium to Stiff Clay (CH/CL)	14	16	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Medium to Stiff Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.13	2.86	0.45	0.21
Cr	0.56	0.51	0.08	0.04
e0	6.11	4.44	1.53	1.13
OCR	10	3.99	3.06	4.4
Cv [ft ² /d]	0.03	0.03	0.085	0.19
Cvr [ft ² /d]	0.03	0.03	0.085	0.19
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 57

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1092.5	2000
1092.5	-2000
-1092.5	-2000
-1092.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-17

Initial Sequence of Lifts

Specific Gravity:	2.68	Initial γ (pcf):	98.06 (assumes 100% saturation)
Initial Void Ratio:	1.94	Water El (feet):	0.50
Initial Fill El (feet):	2.50	Initial stress (ksf):	0.3187 During Constructi at 29 days
Initial Avg. Mudline El (feet):	-0.75	Stress at EOC (ksf):	0.376 End of Constructi at 30 days
Mudline at EOC (feet):	-1.33		

Note:

Title
Manual Input
Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.613	0.755	0.787	0.800	0.843	0.851	0.866	0.868	0.877	0.882	0.881	0.880	0.880	0.880
Ending Mudline El. (feet):	-1.36	-1.51	-1.54	-1.55	-1.59	-1.60	-1.62	-1.62	-1.63	-1.63	-1.63	-1.63	-1.63	-1.63
Net PSDDF Settlement (feet):		0.15	0.307	0.402	0.566	0.609	0.663	0.683	0.729	0.782	0.785	0.785	0.785	0.785
Ending Fill Thickness (feet):	3.863	3.713	3.556	3.461	3.297	3.254	3.200	3.180	3.134	3.081	3.078	3.078	3.078	3.078
Ending Fill El. (feet):	2.500	2.208	2.019	1.911	1.704	1.653	1.584	1.562	1.507	1.449	1.446	1.446	1.446	1.446
Avg. Void Ratio from PSDDF:	1.94	1.803	1.688	1.560	1.415	1.380	1.343	1.328	1.294	1.252	1.250	1.250	1.250	1.250
Ending γ (pcf):	98.06	99.80	101.40	103.35	105.81	106.45	107.14	107.43	108.10	108.95	108.99	108.99	108.99	108.99
Effective Stress at End Time (ksf):	0.3757	0.245	0.233	0.230	0.218	0.215	0.211	0.209	0.206	0.203	0.202	0.202	0.202	0.202

DRAFT

Project:	New Orleans Landbridge Shoreline Stabilization and Marsh Creati	LEGEND
Location:	Orleans Parish, LA	<div></div> Title
File No.:	4585017006	<div></div> Manual Input
Exploration:	B-17	<div></div> Calculation
Mudline El.:	-0.75 feet	

	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
Load End Time (days)	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.319	0.376	0.245	0.233	0.230	0.218	0.215	0.211	0.209	0.206	0.203	0.202	0.202	0.202	
Layer 1	0.451	0.475	0.571	0.582	0.585	0.595	0.596	0.600	0.600	0.602	0.600	0.600	0.600	0.600	0.600
Layer 2	0.076	0.080	0.104	0.120	0.128	0.153	0.159	0.169	0.172	0.179	0.186	0.186	0.186	0.186	0.186
Layer 3	0.038	0.041	0.057	0.060	0.061	0.066	0.066	0.066	0.066	0.065	0.065	0.064	0.064	0.064	0.064
Layer 4	0.016	0.017	0.023	0.025	0.026	0.029	0.030	0.031	0.030	0.031	0.031	0.031	0.030	0.030	0.030
Layer 5															
Layer 6															
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.58	0.61	0.76	0.79	0.80	0.84	0.85	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88

DRAFT

Settle3D Analysis Information

PO-169

Project Settings

Document Name	B456 Marsh Calcs El +2.5 feet Sand.s3z
Project Title	PO-169
Analysis	Containment Dike Settlement
Author	VT
Company	S&ME
4585-17-006	
Containment Dike	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 18.9429 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.0975315
Loading Stress XX [ksf]	-0.015948	0.0758623
Loading Stress YY [ksf]	-0.0172883	0.0748601
Effective Stress ZZ [ksf]	-2.50051e-018	1.258
Effective Stress XX [ksf]	-0.015948	1.31997
Effective Stress YY [ksf]	-0.0172883	1.31997
Total Stress ZZ [ksf]	0	3.22752
Total Stress XX [ksf]	-0.015948	3.28948
Total Stress YY [ksf]	-0.0172883	3.28948
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.96952
Excess Pore Water Pressure [ksf]	0	0.0975315
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	3.06	10
Void Ratio	1.13	6.11
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	3.36533
Total Consolidation Settlement [in]	0	3.36533
Virgin Consolidation Settlement [in]	0	1.29463
Recompression Consolidation Settlement [in]	0	2.0707
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.195063
Loading Stress XX [ksf]	-0.031896	0.151725
Loading Stress YY [ksf]	-0.0345766	0.14972
Effective Stress ZZ [ksf]	-4.19794e-011	1.373
Effective Stress XX [ksf]	-0.031896	1.47945
Effective Stress YY [ksf]	-0.0345766	1.47945
Total Stress ZZ [ksf]	0	3.32503
Total Stress XX [ksf]	-0.031896	3.43148
Total Stress YY [ksf]	-0.0345766	3.43148
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	9809.56
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	9809.56
Total Strain	-3.26081e-008	0.662407
Pore Water Pressure [ksf]	-0.000434071	1.95203
Excess Pore Water Pressure [ksf]	0	0.195052
Degree of Consolidation [%]	0	56.0934
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10
Void Ratio	1.12659	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.00631603

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.99979
Total Consolidation Settlement [in]	0	4.99979
Virgin Consolidation Settlement [in]	0	1.92208
Recompression Consolidation Settlement [in]	0	3.07773
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	-5.83339e-011	1.47902
Effective Stress XX [ksf]	-0.0483273	1.64081
Effective Stress YY [ksf]	-0.0523888	1.64081
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.58729
Total Stress YY [ksf]	-0.0523889	3.58729
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8353.5
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8353.5
Total Strain	-3.05816e-007	0.760175
Pore Water Pressure [ksf]	-0.000793675	1.95696
Excess Pore Water Pressure [ksf]	0	0.295219
Degree of Consolidation [%]	0	67.735
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0001
Void Ratio	0.705155	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.0100493

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.07942
Total Consolidation Settlement [in]	0	7.07942
Virgin Consolidation Settlement [in]	0	3.19362
Recompression Consolidation Settlement [in]	0	3.88582
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	-2.06464e-025	1.5903
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.57648
Total Stress YY [ksf]	-0.0523889	3.57648
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5539.69
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5539.69
Total Strain	-4.40514e-007	0.795446
Pore Water Pressure [ksf]	-0.00103256	1.8943
Excess Pore Water Pressure [ksf]	-1.32297e-006	0.293898
Degree of Consolidation [%]	0	99.6739
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0001
Void Ratio	0.454379	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	4	100
Undrained Shear Strength	0	0.0145423

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.1811
Total Consolidation Settlement [in]	0	7.1811
Virgin Consolidation Settlement [in]	0	3.23527
Recompression Consolidation Settlement [in]	0	3.94584
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	-9.24978e-012	1.59083
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.57595
Total Stress YY [ksf]	-0.0523889	3.57595
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5531.06
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5531.06
Total Strain	-6.05312e-007	0.795509
Pore Water Pressure [ksf]	-0.00109722	1.88926
Excess Pore Water Pressure [ksf]	0	0.293648
Degree of Consolidation [%]	0	99.6419
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0002
Void Ratio	0.453933	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	4	100
Undrained Shear Strength	0	0.0149096

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.27648
Total Consolidation Settlement [in]	0	7.27648
Virgin Consolidation Settlement [in]	0	3.27283
Recompression Consolidation Settlement [in]	0	4.00366
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.59133
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.57545
Total Stress YY [ksf]	-0.0523889	3.57545
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5523.05
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5523.05
Total Strain	-7.66106e-007	0.795561
Pore Water Pressure [ksf]	-0.00115356	1.88452
Excess Pore Water Pressure [ksf]	-9.17521e-007	0.293373
Degree of Consolidation [%]	0	99.6558
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0002
Void Ratio	0.453561	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	4	100
Undrained Shear Strength	0	0.0152489

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	8.2428
Total Consolidation Settlement [in]	0	8.2428
Virgin Consolidation Settlement [in]	0	3.58472
Recompression Consolidation Settlement [in]	0	4.6581
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.59636
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.57042
Total Stress YY [ksf]	-0.0523889	3.57042
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5498.71
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5498.71
Total Strain	-9.37583e-007	0.795674
Pore Water Pressure [ksf]	-0.00118519	1.872
Excess Pore Water Pressure [ksf]	-3.18229e-008	0.286215
Degree of Consolidation [%]	0	99.7717
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	0.452755	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	4	100
Undrained Shear Strength	0	0.0181264

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.36813
Total Consolidation Settlement [in]	0	9.36813
Virgin Consolidation Settlement [in]	0	3.79832
Recompression Consolidation Settlement [in]	0	5.56989
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.60222
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.56457
Total Stress YY [ksf]	-0.052389	3.56457
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5488.5
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5488.5
Total Strain	-1.10994e-006	0.795804
Pore Water Pressure [ksf]	-0.0012949	1.872
Excess Pore Water Pressure [ksf]	-1.79667e-008	0.251136
Degree of Consolidation [%]	0	99.8638
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	0.451831	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	2.46774	100
Undrained Shear Strength	0	0.0212877

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.80331
Total Consolidation Settlement [in]	0	9.80331
Virgin Consolidation Settlement [in]	0	3.89483
Recompression Consolidation Settlement [in]	0	5.90854
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	-1.48794e-011	1.60448
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.5623
Total Stress YY [ksf]	-0.052389	3.5623
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5485.15
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5485.15
Total Strain	-1.12351e-006	0.795809
Pore Water Pressure [ksf]	-0.00130004	1.872
Excess Pore Water Pressure [ksf]	-1.76592e-008	0.228509
Degree of Consolidation [%]	0	99.8881
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	0.451801	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	3.64636	100
Undrained Shear Strength	0	0.023251

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.3895
Total Consolidation Settlement [in]	0	10.3895
Virgin Consolidation Settlement [in]	0	4.00501
Recompression Consolidation Settlement [in]	0	6.38453
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	-2.85631e-011	1.60753
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.55926
Total Stress YY [ksf]	-0.052389	3.55926
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5480.13
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5480.13
Total Strain	-1.12703e-006	0.795882
Pore Water Pressure [ksf]	-0.0013955	1.872
Excess Pore Water Pressure [ksf]	-1.63982e-008	0.187339
Degree of Consolidation [%]	0	99.9212
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	0.451282	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	8.47142	100
Undrained Shear Strength	0	0.0240907

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.7665
Total Consolidation Settlement [in]	0	10.7665
Virgin Consolidation Settlement [in]	0	4.05943
Recompression Consolidation Settlement [in]	0	6.70715
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.60948
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483273	3.55731
Total Stress YY [ksf]	-0.0523891	3.55731
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5476.55
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5476.55
Total Strain	-1.12702e-006	0.795937
Pore Water Pressure [ksf]	-0.00147262	1.872
Excess Pore Water Pressure [ksf]	-1.4824e-008	0.151293
Degree of Consolidation [%]	0	99.943
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	0.450886	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	17.0343	100
Undrained Shear Strength	0	0.0244707

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.0247
Total Consolidation Settlement [in]	0	11.0247
Virgin Consolidation Settlement [in]	0	4.10368
Recompression Consolidation Settlement [in]	0	6.92104
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61082
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483274	3.55596
Total Stress YY [ksf]	-0.0523891	3.55596
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5473.89
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5473.89
Total Strain	-1.14136e-006	0.795981
Pore Water Pressure [ksf]	-0.00153507	1.872
Excess Pore Water Pressure [ksf]	-1.32012e-008	0.121022
Degree of Consolidation [%]	0	99.9583
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	0.450578	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	27.4609	100
Undrained Shear Strength	0	0.0246732

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.3584
Total Consolidation Settlement [in]	0	11.3584
Virgin Consolidation Settlement [in]	0	4.209
Recompression Consolidation Settlement [in]	0	7.14944
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61256
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483274	3.55422
Total Stress YY [ksf]	-0.0523892	3.55422
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5470.41
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5470.41
Total Strain	-1.30246e-006	0.796034
Pore Water Pressure [ksf]	-0.00161426	1.872
Excess Pore Water Pressure [ksf]	-1.34734e-008	0.0830102
Degree of Consolidation [%]	0	99.9774
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	0.450199	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	47.638	100
Undrained Shear Strength	0	0.0248478

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.4739
Total Consolidation Settlement [in]	0	11.4739
Virgin Consolidation Settlement [in]	0	4.25288
Recompression Consolidation Settlement [in]	0	7.22101
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61316
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483274	3.55362
Total Stress YY [ksf]	-0.0523892	3.55362
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5469.22
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5469.22
Total Strain	-1.44638e-006	0.796052
Pore Water Pressure [ksf]	-0.00164233	1.872
Excess Pore Water Pressure [ksf]	-2.84761e-009	0.0713972
Degree of Consolidation [%]	0	99.9834
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	0.450067	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	56.1769	100
Undrained Shear Strength	0	0.0248913

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	11.7086
Total Consolidation Settlement [in]	0	11.7086
Virgin Consolidation Settlement [in]	0	4.37194
Recompression Consolidation Settlement [in]	0	7.3367
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61438
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483274	3.5524
Total Stress YY [ksf]	-0.0523893	3.5524
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5467.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5467.16
Total Strain	-1.60556e-006	0.796093
Pore Water Pressure [ksf]	-0.0017035	1.872
Excess Pore Water Pressure [ksf]	-3.16066e-009	0.0504806
Degree of Consolidation [%]	0	99.9937
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0005
Void Ratio	0.449782	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	75.6988	100
Undrained Shear Strength	0	0.0249735

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.1509
Total Consolidation Settlement [in]	0	12.1509
Virgin Consolidation Settlement [in]	0	4.70513
Recompression Consolidation Settlement [in]	0	7.44581
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61669
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483274	3.5501
Total Stress YY [ksf]	-0.0523893	3.5501
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5465.59
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5465.59
Total Strain	-1.7641e-006	0.796149
Pore Water Pressure [ksf]	-0.00178978	1.872
Excess Pore Water Pressure [ksf]	-1.60391e-008	0.0180834
Degree of Consolidation [%]	0	99.9998
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0005
Void Ratio	0.449382	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	95.7733	100
Undrained Shear Strength	0	0.0251681

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.2979
Total Consolidation Settlement [in]	0	12.2979
Virgin Consolidation Settlement [in]	0	4.81795
Recompression Consolidation Settlement [in]	0	7.48
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61745
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483274	3.54934
Total Stress YY [ksf]	-0.0523894	3.54934
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5465.35
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5465.35
Total Strain	-1.90556e-006	0.796176
Pore Water Pressure [ksf]	-0.00183186	1.872
Excess Pore Water Pressure [ksf]	-5.39433e-009	0.00647121
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0006
Void Ratio	0.449189	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	98.4874	100
Undrained Shear Strength	0	0.0257477

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.3681
Total Consolidation Settlement [in]	0	12.3681
Virgin Consolidation Settlement [in]	0	4.87175
Recompression Consolidation Settlement [in]	0	7.49631
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61782
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483275	3.54897
Total Stress YY [ksf]	-0.0523894	3.54897
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5465.23
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5465.23
Total Strain	-2.03918e-006	0.796192
Pore Water Pressure [ksf]	-0.00185665	1.872
Excess Pore Water Pressure [ksf]	-1.54e-008	0.000828402
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0006
Void Ratio	0.449075	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.8064	100
Undrained Shear Strength	0	0.0260242

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.3782
Total Consolidation Settlement [in]	0	12.3782
Virgin Consolidation Settlement [in]	0	4.87954
Recompression Consolidation Settlement [in]	0	7.49868
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61787
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483275	3.54891
Total Stress YY [ksf]	-0.0523894	3.54891
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5465.18
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5465.18
Total Strain	-2.16571e-006	0.796194
Pore Water Pressure [ksf]	-0.00186018	1.872
Excess Pore Water Pressure [ksf]	-1.51679e-008	4.82747e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0006
Void Ratio	0.449059	6.11002
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9989	100
Undrained Shear Strength	0	0.0260643

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.29569e-006	12.3783
Total Consolidation Settlement [in]	-1.29569e-006	12.3783
Virgin Consolidation Settlement [in]	0	4.87958
Recompression Consolidation Settlement [in]	-1.29569e-006	7.49869
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.29555
Loading Stress XX [ksf]	-0.0483273	0.229886
Loading Stress YY [ksf]	-0.0523888	0.226849
Effective Stress ZZ [ksf]	0	1.61787
Effective Stress XX [ksf]	-0.0483273	1.74128
Effective Stress YY [ksf]	-0.0523888	1.74128
Total Stress ZZ [ksf]	0	3.4255
Total Stress XX [ksf]	-0.0483275	3.54891
Total Stress YY [ksf]	-0.0523894	3.54891
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5465.16
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5465.16
Total Strain	-2.28556e-006	0.796194
Pore Water Pressure [ksf]	-0.00186022	1.872
Excess Pore Water Pressure [ksf]	-1.50765e-008	5.18529e-009
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0007
Void Ratio	0.449059	6.11002
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	100	100
Undrained Shear Strength	0	0.0260645

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.29555 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 120 d	1	0
Stage 11 = 150 d	1	0
Stage 12 = 180 d	1	0
Stage 13 = 240 d	1	0
Stage 14 = 270 d	1	0
Stage 15 = 365 d	1	0
Stage 16 = 730 d	1	0
Stage 17 = 1095 d	1	0
Stage 18 = 1825 d	1	0
Stage 19 = 3650 d	1	0
Stage 20 = 7300 d	1	0

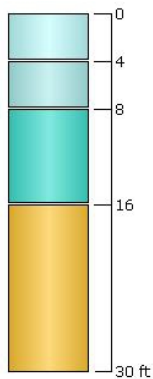
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	4	0	No
2	Very Soft Clay (CH) 2	4	4	Yes
3	Very Soft Clay (CH) 3	8	8	Yes
4	Medium to Stiff Clay (CH/CL)	14	16	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Medium to Stiff Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.13	2.86	0.45	0.21
Cr	0.56	0.51	0.08	0.04
e0	6.11	4.44	1.53	1.13
OCR	10	3.99	3.06	4.4
Cv [ft ² /d]	0.03	0.03	0.085	0.19
Cvr [ft ² /d]	0.03	0.03	0.085	0.19
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 57

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000


```

100 'B456 E1 +4.5 PO-169' 1 1
101 1 1 1
102 6.11 0.0001 50 -0.75 0.5 62.4 0
103 0 0 1
104 1 2.68 0.009 0.098 1.75 2.37 0.796 0.43 10
105 06.25 0.00E+00 1.41E+02
106 02.73 1.00E+00 2.45E-01
107 02.46 2.00E+00 9.02E-02
108 02.11 5.00E+00 2.41E-02
109 01.85 1.00E+01 8.88E-03
110 01.50 2.50E+01 2.37E-03
111 01.23 5.00E+01 8.74E-04
112 00.97 1.00E+02 3.22E-04
113 00.71 2.00E+02 1.19E-04
114 00.44 4.00E+02 4.37E-05
115 20
116 2.5 60 4 1 6.25 1 35
117 10 4.5 60 4 1 6.25 1 35
118 20 4.5 60 4 1 6.25 1 35
119 30 1.5 60 4 1 6.25 1 35
120 31 0 60 4 1
121 45 0 60 4 1
122 75 0 60 4 1
123 90 0 60 4 1
124 150 0 60 4 1
125 180 0 60 4 1
126 210 0 60 4 1
127 240 0 60 4 1
128 270 0 60 4 1
129 365 0 60 4 1
130 455 0 60 4 1
131 730 0 60 4 1
132 1095 0 60 4 1
133 1825 0 60 4 1
134 3650 0 60 4 1
135 7300 0 60 4 1
136 30 0.8 0.8
137 0.19 0.47
138 0.28 0.41
139 0.4 0.44
140 0.54 0.36
141 0.6 0.43
142 0.64 0.46
143 0.56 0.57
144 0.53 0.58
145 0.46 0.42
146 0.44 0.32
147 0.29 0.37
148 0.21 0.41

```

Settle3D Analysis Information

PO-169

Project Settings

Document Name	B456 Marsh Calcs El +4.5 feet.s3z
Project Title	PO-169
Analysis	Containment Dike Settlement
Author	AKY
Company	S&ME
4585-17-006	
Containment Dike	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 30.7421 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.097337
Loading Stress XX [ksf]	-0.0159162	0.075711
Loading Stress YY [ksf]	-0.0172538	0.0747108
Effective Stress ZZ [ksf]	-3.51999e-018	1.258
Effective Stress XX [ksf]	-0.0159162	1.31984
Effective Stress YY [ksf]	-0.0172538	1.31984
Total Stress ZZ [ksf]	0	3.22732
Total Stress XX [ksf]	-0.0159162	3.28916
Total Stress YY [ksf]	-0.0172538	3.28916
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	1.96932
Excess Pore Water Pressure [ksf]	0	0.097337
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	3.06	4.4
Void Ratio	1.13	6.11
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	5.11761
Total Consolidation Settlement [in]	0	5.11761
Virgin Consolidation Settlement [in]	0	3.02908
Recompression Consolidation Settlement [in]	0	2.08854
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.276642
Loading Stress XX [ksf]	-0.0452355	0.215179
Loading Stress YY [ksf]	-0.0490372	0.212336
Effective Stress ZZ [ksf]	-4.18956e-011	1.3819
Effective Stress XX [ksf]	-0.0452355	1.53109
Effective Stress YY [ksf]	-0.0490372	1.53109
Total Stress ZZ [ksf]	0	3.4066
Total Stress XX [ksf]	-0.0452355	3.55579
Total Stress YY [ksf]	-0.0490372	3.55579
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	12950.5
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	12950.5
Total Strain	-3.2543e-008	0.852985
Pore Water Pressure [ksf]	-0.00067482	2.0247
Excess Pore Water Pressure [ksf]	0	0.27663
Degree of Consolidation [%]	0	45.5623
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	0.0452783	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.00294305

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	9.42402
Total Consolidation Settlement [in]	0	9.42402
Virgin Consolidation Settlement [in]	0	6.09984
Recompression Consolidation Settlement [in]	0	3.32424
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.450824
Loading Stress XX [ksf]	-0.0737171	0.350662
Loading Stress YY [ksf]	-0.0799125	0.346029
Effective Stress ZZ [ksf]	-6.17605e-011	1.58359
Effective Stress XX [ksf]	-0.0737171	1.82103
Effective Stress YY [ksf]	-0.0799125	1.82103
Total Stress ZZ [ksf]	0	3.58075
Total Stress XX [ksf]	-0.0737171	3.81819
Total Stress YY [ksf]	-0.0799126	3.81819
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8988.67
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8988.67
Total Strain	-3.03804e-007	0.978817
Pore Water Pressure [ksf]	-0.00110077	2.06381
Excess Pore Water Pressure [ksf]	0	0.45046
Degree of Consolidation [%]	0	64.5241
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.849389	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.00567855

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4756
Total Consolidation Settlement [in]	0	12.4756
Virgin Consolidation Settlement [in]	0	8.26018
Recompression Consolidation Settlement [in]	0	4.2462
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.5123
Loading Stress XX [ksf]	-0.0837694	0.398479
Loading Stress YY [ksf]	-0.0908097	0.393215
Effective Stress ZZ [ksf]	-1.2904e-026	1.77362
Effective Stress XX [ksf]	-0.0837694	2.03424
Effective Stress YY [ksf]	-0.0908097	2.03424
Total Stress ZZ [ksf]	-2.11758e-022	3.64222
Total Stress XX [ksf]	-0.0837695	3.90284
Total Stress YY [ksf]	-0.0908098	3.90284
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6551.84
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6551.84
Total Strain	-3.95611e-007	1
Pore Water Pressure [ksf]	-0.00136507	2.03617
Excess Pore Water Pressure [ksf]	0	0.51017
Degree of Consolidation [%]	0	89.2198
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-1	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0.783547	100
Undrained Shear Strength	0	0.0281622

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.8446
Total Consolidation Settlement [in]	0	12.8446
Virgin Consolidation Settlement [in]	0	8.54288
Recompression Consolidation Settlement [in]	0	4.34723
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.588
Loading Stress XX [ksf]	-0.10606	0.450729
Loading Stress YY [ksf]	-0.114768	0.444181
Effective Stress ZZ [ksf]	-2.34803e-011	1.83699
Effective Stress XX [ksf]	-0.10606	2.14774
Effective Stress YY [ksf]	-0.114768	2.14653
Total Stress ZZ [ksf]	-2.11758e-022	3.71793
Total Stress XX [ksf]	-0.10606	4.02868
Total Stress YY [ksf]	-0.114768	4.02746
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	46431.1
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	46431.1
Total Strain	-5.28326e-007	1
Pore Water Pressure [ksf]	-0.00159989	2.11116
Excess Pore Water Pressure [ksf]	-2.14042e-006	0.585504
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-1	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	100
Undrained Shear Strength	0	0.0331135

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	13.3703
Total Consolidation Settlement [in]	0	13.3703
Virgin Consolidation Settlement [in]	0	8.94724
Recompression Consolidation Settlement [in]	0	4.46861
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.588
Loading Stress XX [ksf]	-0.10606	0.450729
Loading Stress YY [ksf]	-0.114768	0.444181
Effective Stress ZZ [ksf]	0	1.91545
Effective Stress XX [ksf]	-0.10606	2.22345
Effective Stress YY [ksf]	-0.114768	2.22224
Total Stress ZZ [ksf]	-2.11758e-022	3.71793
Total Stress XX [ksf]	-0.10606	4.02593
Total Stress YY [ksf]	-0.114768	4.02471
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6154.63
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6154.63
Total Strain	-6.07264e-007	1
Pore Water Pressure [ksf]	-0.00184605	2.10134
Excess Pore Water Pressure [ksf]	-3.7403e-006	0.58509
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-1	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0.976496	100
Undrained Shear Strength	0	0.0354

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.3541
Total Consolidation Settlement [in]	0	16.3541
Virgin Consolidation Settlement [in]	0	10.9769
Recompression Consolidation Settlement [in]	0	5.42264
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.438648
Loading Stress XX [ksf]	-0.0791206	0.336244
Loading Stress YY [ksf]	-0.0856168	0.331359
Effective Stress ZZ [ksf]	-1.51983e-018	1.93097
Effective Stress XX [ksf]	-0.0791206	2.12756
Effective Stress YY [ksf]	-0.0856168	2.12666
Total Stress ZZ [ksf]	-2.11758e-022	3.56859
Total Stress XX [ksf]	-0.0791207	3.76518
Total Stress YY [ksf]	-0.0856169	3.76428
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	4492.7
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	4492.7
Total Strain	-2.38684e-006	0.995394
Pore Water Pressure [ksf]	-0.150371	1.872
Excess Pore Water Pressure [ksf]	-0.149352	0.422591
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1.00002	4.4
Void Ratio	-0.967248	6.11002
Permeability [ft/d]	7.69953e-005	0.118238
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	19.4895	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.4912
Total Consolidation Settlement [in]	0	17.4912
Virgin Consolidation Settlement [in]	0	11.732
Recompression Consolidation Settlement [in]	0	5.80474
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.420126
Loading Stress XX [ksf]	-0.0757797	0.322046
Loading Stress YY [ksf]	-0.0820016	0.317367
Effective Stress ZZ [ksf]	0	1.78754
Effective Stress XX [ksf]	-0.0757797	1.96634
Effective Stress YY [ksf]	-0.0820016	1.96547
Total Stress ZZ [ksf]	-2.11758e-022	3.55007
Total Stress XX [ksf]	-0.0757799	3.72887
Total Stress YY [ksf]	-0.0820017	3.728
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5275.96
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5275.96
Total Strain	-3.45448e-006	0.989396
Pore Water Pressure [ksf]	-0.0204253	1.872
Excess Pore Water Pressure [ksf]	-0.018522	0.329734
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.924606	6.11002
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	10.5049	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.8409
Total Consolidation Settlement [in]	0	17.8409
Virgin Consolidation Settlement [in]	0	11.904
Recompression Consolidation Settlement [in]	0	5.98244
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.414834
Loading Stress XX [ksf]	-0.0748251	0.317989
Loading Stress YY [ksf]	-0.0809687	0.31337
Effective Stress ZZ [ksf]	0	1.77085
Effective Stress XX [ksf]	-0.0748251	1.94442
Effective Stress YY [ksf]	-0.0809687	1.94356
Total Stress ZZ [ksf]	-2.11758e-022	3.54478
Total Stress XX [ksf]	-0.0748254	3.71836
Total Stress YY [ksf]	-0.0809688	3.7175
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5433.36
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5433.36
Total Strain	-3.64723e-006	0.988456
Pore Water Pressure [ksf]	-0.00735408	1.872
Excess Pore Water Pressure [ksf]	-0.005292	0.286821
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.917925	6.11003
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	10.4379	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	18.5642
Total Consolidation Settlement [in]	0	18.5642
Virgin Consolidation Settlement [in]	0	12.4013
Recompression Consolidation Settlement [in]	0	6.20835
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.414834
Loading Stress XX [ksf]	-0.0748251	0.317989
Loading Stress YY [ksf]	-0.0809687	0.31337
Effective Stress ZZ [ksf]	0	1.76931
Effective Stress XX [ksf]	-0.0748251	1.93913
Effective Stress YY [ksf]	-0.0809687	1.93827
Total Stress ZZ [ksf]	-2.11758e-022	3.54478
Total Stress XX [ksf]	-0.0748254	3.7146
Total Stress YY [ksf]	-0.0809689	3.71374
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5496.83
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5496.83
Total Strain	-3.68898e-006	0.988252
Pore Water Pressure [ksf]	-0.00262708	1.872
Excess Pore Water Pressure [ksf]	-1.48105e-006	0.245158
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.916468	6.11003
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	13.7979	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	19.1816
Total Consolidation Settlement [in]	0	19.1816
Virgin Consolidation Settlement [in]	0	12.8524
Recompression Consolidation Settlement [in]	0	6.37464
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.39643
Loading Stress XX [ksf]	-0.0715055	0.303881
Loading Stress YY [ksf]	-0.0773764	0.299467
Effective Stress ZZ [ksf]	-6.84523e-019	1.77253
Effective Stress XX [ksf]	-0.0715055	1.92731
Effective Stress YY [ksf]	-0.0773764	1.92649
Total Stress ZZ [ksf]	-2.11758e-022	3.52638
Total Stress XX [ksf]	-0.0715058	3.68116
Total Stress YY [ksf]	-0.0773766	3.68035
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5249.21
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5249.21
Total Strain	-3.12062e-006	0.987495
Pore Water Pressure [ksf]	-0.0205499	1.872
Excess Pore Water Pressure [ksf]	-0.0184044	0.198809
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.911089	6.11002
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	23.0303	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	19.6087
Total Consolidation Settlement [in]	0	19.6087
Virgin Consolidation Settlement [in]	0	13.254
Recompression Consolidation Settlement [in]	0	6.40026
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.389785
Loading Stress XX [ksf]	-0.070307	0.298788
Loading Stress YY [ksf]	-0.0760796	0.294448
Effective Stress ZZ [ksf]	-1.51667e-019	1.75634
Effective Stress XX [ksf]	-0.070307	1.90464
Effective Stress YY [ksf]	-0.0760796	1.90384
Total Stress ZZ [ksf]	-2.11758e-022	3.51974
Total Stress XX [ksf]	-0.0703074	3.66804
Total Stress YY [ksf]	-0.0760798	3.66723
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5395.86
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5395.86
Total Strain	-2.23948e-006	0.986457
Pore Water Pressure [ksf]	-0.00906383	1.872
Excess Pore Water Pressure [ksf]	-0.0066444	0.175089
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.903711	6.11002
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	34.4171	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	20.334
Total Consolidation Settlement [in]	0	20.334
Virgin Consolidation Settlement [in]	0	13.9123
Recompression Consolidation Settlement [in]	0	6.46718
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.381553
Loading Stress XX [ksf]	-0.0688222	0.292478
Loading Stress YY [ksf]	-0.0744728	0.288229
Effective Stress ZZ [ksf]	0	1.75347
Effective Stress XX [ksf]	-0.0688222	1.89271
Effective Stress YY [ksf]	-0.0744728	1.89193
Total Stress ZZ [ksf]	-2.11758e-022	3.51151
Total Stress XX [ksf]	-0.0688227	3.65075
Total Stress YY [ksf]	-0.0744731	3.64996
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5368.26
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5368.26
Total Strain	-1.18597e-006	0.98583
Pore Water Pressure [ksf]	-0.0108791	1.872
Excess Pore Water Pressure [ksf]	-0.008232	0.139768
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.899255	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	55.6953	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	20.602
Total Consolidation Settlement [in]	0	20.602
Virgin Consolidation Settlement [in]	0	14.1825
Recompression Consolidation Settlement [in]	0	6.465
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.378202
Loading Stress XX [ksf]	-0.0682176	0.289909
Loading Stress YY [ksf]	-0.0738186	0.285697
Effective Stress ZZ [ksf]	0	1.74663
Effective Stress XX [ksf]	-0.0682176	1.88233
Effective Stress YY [ksf]	-0.0738186	1.88155
Total Stress ZZ [ksf]	-2.11758e-022	3.50816
Total Stress XX [ksf]	-0.0682182	3.64385
Total Stress YY [ksf]	-0.0738189	3.64307
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5433.86
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5433.86
Total Strain	-1.24841e-006	0.985333
Pore Water Pressure [ksf]	-0.00615833	1.872
Excess Pore Water Pressure [ksf]	-0.00816321	0.122067
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.895719	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	64.5541	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	-1.97359e-006	21.3051
Total Consolidation Settlement [in]	-1.97359e-006	21.3051
Virgin Consolidation Settlement [in]	0	14.8516
Recompression Consolidation Settlement [in]	-1.97359e-006	6.49906
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.370264
Loading Stress XX [ksf]	-0.0667858	0.283824
Loading Stress YY [ksf]	-0.0722693	0.279701
Effective Stress ZZ [ksf]	0	1.74694
Effective Stress XX [ksf]	-0.0667858	1.87388
Effective Stress YY [ksf]	-0.0722693	1.87312
Total Stress ZZ [ksf]	-2.11758e-022	3.50022
Total Stress XX [ksf]	-0.0667865	3.62716
Total Stress YY [ksf]	-0.0722696	3.6264
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5365.39
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5365.39
Total Strain	-1.35896e-006	0.984846
Pore Water Pressure [ksf]	-0.0109572	1.872
Excess Pore Water Pressure [ksf]	-0.0103895	0.0887323
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.892254	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	83.0298	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.32625e-006	22.6418
Total Consolidation Settlement [in]	-3.32625e-006	22.6418
Virgin Consolidation Settlement [in]	0	16.1538
Recompression Consolidation Settlement [in]	-3.32625e-006	6.53349
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.354976
Loading Stress XX [ksf]	-0.0640283	0.272105
Loading Stress YY [ksf]	-0.0692853	0.268152
Effective Stress ZZ [ksf]	0	1.74595
Effective Stress XX [ksf]	-0.0640283	1.85613
Effective Stress YY [ksf]	-0.0692853	1.8554
Total Stress ZZ [ksf]	-2.11758e-022	3.48493
Total Stress XX [ksf]	-0.064029	3.59512
Total Stress YY [ksf]	-0.0692857	3.59438
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5252.88
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5252.88
Total Strain	-1.4545e-006	0.983811
Pore Water Pressure [ksf]	-0.0186299	1.872
Excess Pore Water Pressure [ksf]	-0.0154355	0.0186712
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.884894	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	97.9289	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.56845e-006	22.8225
Total Consolidation Settlement [in]	-3.56845e-006	22.8225
Virgin Consolidation Settlement [in]	0	16.3853
Recompression Consolidation Settlement [in]	-3.56845e-006	6.4827
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.349978
Loading Stress XX [ksf]	-0.0631267	0.268274
Loading Stress YY [ksf]	-0.0683098	0.264377
Effective Stress ZZ [ksf]	0	1.73161
Effective Stress XX [ksf]	-0.0631267	1.83763
Effective Stress YY [ksf]	-0.0683098	1.83691
Total Stress ZZ [ksf]	-2.11758e-022	3.47993
Total Stress XX [ksf]	-0.0631275	3.58596
Total Stress YY [ksf]	-0.0683102	3.58524
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5401.17
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5401.17
Total Strain	-1.51889e-006	0.982869
Pore Water Pressure [ksf]	-0.00847217	1.872
Excess Pore Water Pressure [ksf]	-0.00549652	0.000829092
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1	4.4
Void Ratio	-0.878196	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	100	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	-3.79219e-006	22.8106
Total Consolidation Settlement [in]	-3.79219e-006	22.8106
Virgin Consolidation Settlement [in]	0	16.3976
Recompression Consolidation Settlement [in]	-3.79219e-006	6.45856
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.346567
Loading Stress XX [ksf]	-0.0625116	0.265659
Loading Stress YY [ksf]	-0.0676441	0.2618
Effective Stress ZZ [ksf]	0	1.72655
Effective Stress XX [ksf]	-0.0625116	1.83045
Effective Stress YY [ksf]	-0.0676441	1.82973
Total Stress ZZ [ksf]	-2.11758e-022	3.47652
Total Stress XX [ksf]	-0.0625123	3.58042
Total Stress YY [ksf]	-0.0676445	3.57971
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5424.75
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5424.75
Total Strain	-1.58439e-006	0.982467
Pore Water Pressure [ksf]	-0.00689279	1.872
Excess Pore Water Pressure [ksf]	-0.0034776	6.94738e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1.00019	4.4
Void Ratio	-0.875337	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	100	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.04447e-006	22.7762
Total Consolidation Settlement [in]	-4.04447e-006	22.7762
Virgin Consolidation Settlement [in]	0	16.3976
Recompression Consolidation Settlement [in]	-4.04447e-006	6.42412
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.345744
Loading Stress XX [ksf]	-0.0623631	0.265028
Loading Stress YY [ksf]	-0.0674835	0.261179
Effective Stress ZZ [ksf]	0	1.72296
Effective Stress XX [ksf]	-0.0623631	1.82651
Effective Stress YY [ksf]	-0.0674835	1.8258
Total Stress ZZ [ksf]	-2.11758e-022	3.4757
Total Stress XX [ksf]	-0.0623639	3.57925
Total Stress YY [ksf]	-0.0674839	3.57854
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5464.98
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5464.98
Total Strain	-1.64471e-006	0.982262
Pore Water Pressure [ksf]	-0.00429978	1.872
Excess Pore Water Pressure [ksf]	-0.000902998	2.52604e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1.00631	4.4
Void Ratio	-0.87388	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9974	100
Undrained Shear Strength	0	0.0360148

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	-4.22845e-006	22.7675
Total Consolidation Settlement [in]	-4.22845e-006	22.7675
Virgin Consolidation Settlement [in]	0	16.3976
Recompression Consolidation Settlement [in]	-4.22845e-006	6.4154
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.345744
Loading Stress XX [ksf]	-0.0623631	0.265028
Loading Stress YY [ksf]	-0.0674835	0.261179
Effective Stress ZZ [ksf]	0	1.72209
Effective Stress XX [ksf]	-0.0623631	1.82569
Effective Stress YY [ksf]	-0.0674835	1.82497
Total Stress ZZ [ksf]	-2.11758e-022	3.4757
Total Stress XX [ksf]	-0.0623639	3.57929
Total Stress YY [ksf]	-0.0674839	3.57858
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5477.95
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5477.95
Total Strain	-1.70347e-006	0.982222
Pore Water Pressure [ksf]	-0.00358311	1.872
Excess Pore Water Pressure [ksf]	-7.04807e-006	2.92678e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.002816	5.53196
Over-consolidation Ratio	1.00794	4.4
Void Ratio	-0.873596	6.11001
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	99.9858	100
Undrained Shear Strength	0	0.0360148

Loads

1. Rectangular Load: "Rectangular Load 1"

Length 1000 ft
Width 1000 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1e+006 ft²
Load 0.5123 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.19	0
Stage 2 = 10 d	0.54	0
Stage 3 = 20 d	0.88	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	0	0
Stage 6 = 31 d	0	0
Stage 7 = 45 d	0	0
Stage 8 = 75 d	0	0
Stage 9 = 90 d	0	0
Stage 10 = 120 d	0	0
Stage 11 = 150 d	0	0
Stage 12 = 180 d	0	0
Stage 13 = 240 d	0	0
Stage 14 = 270 d	0	0
Stage 15 = 365 d	0	0
Stage 16 = 730 d	0	0
Stage 17 = 1095 d	0	0
Stage 18 = 1825 d	0	0
Stage 19 = 3650 d	0	0
Stage 20 = 7300 d	0	0

Coordinates

X [ft]	Y [ft]
-500	-500
500	-500
500	500
-500	500

2. Rectangular Load: "Rectangular Load 2"

Length 1093 ft
Width 1100 ft
Rotation angle 0 degrees
Load Type Flexible
Area of Load 1.2023e+006 ft²
Load 0.588 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0	0
Stage 2 = 10 d	0	0
Stage 3 = 20 d	0	0
Stage 4 = 29 d	0	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	0.746	0
Stage 8 = 75 d	0.7145	0
Stage 9 = 90 d	0.7055	0
Stage 10 = 120 d	0.7055	0
Stage 11 = 150 d	0.6742	0
Stage 12 = 180 d	0.6629	0
Stage 13 = 240 d	0.6489	0
Stage 14 = 270 d	0.6432	0
Stage 15 = 365 d	0.6297	0
Stage 16 = 730 d	0.6037	0
Stage 17 = 1095 d	0.5952	0
Stage 18 = 1825 d	0.5894	0
Stage 19 = 3650 d	0.588	0
Stage 20 = 7300 d	0.588	0

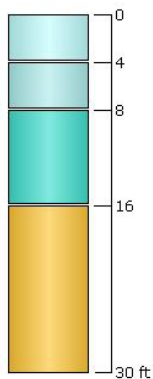
Coordinates

X [ft]	Y [ft]
-546.5	-550
546.5	-550
546.5	550
-546.5	550





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	4	0	No
2	Very Soft Clay (CH) 2	4	4	Yes
3	Very Soft Clay (CH) 3	8	8	Yes
4	Medium to Stiff Clay (CH/CL)	14	16	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Medium to Stiff Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.13	2.86	0.45	0.21
Cr	0.56	0.51	0.08	0.04
e0	6.11	4.44	1.53	1.13
OCR	4	3.99	3.06	4.4
Cv [ft ² /d]	0.03	0.03	0.085	0.19
Cvr [ft ² /d]	0.03	0.03	0.085	0.19
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 57

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1096.5	2000
1096.5	-2000
-1096.5	-2000
-1096.5	2000

Project: New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-17

Initial Sequence of Lifts

Specific Gravity:	2.68	Initial γ (pcf):	97.58 (assumes 100% saturation)
Initial Void Ratio:	1.98	Water El (feet):	0.50
Initial Fill El (feet):	4.50	Initial stress (ksf):	0.5123 During Construction at 29 days
Initial Avg. Mudline El (feet):	-0.75	Stress at EOC (ksf):	0.588 End of Construction at 30 days
Mudline at EOC (feet):	-1.53		

Note:	
	Title
	Manual Input
	Calculation

End Time (days):	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Foundation Settlement (feet):	0.818	1.015	1.078	1.100	1.167	1.184	1.213	1.223	1.304	1.305	1.313	1.313	1.312	1.310
Ending Mudline El. (feet):	-1.57	-1.77	-1.83	-1.85	-1.92	-1.93	-1.96	-1.97	-2.05	-2.06	-2.06	-2.06	-2.06	-2.06
Net PSDDF Settlement (feet):		0.229	0.465	0.597	0.864	0.943	1.056	1.099	1.202	1.395	1.473	1.529	1.536	1.536
Ending Fill Thickness (feet):	6.068	5.839	5.603	5.471	5.204	5.125	5.012	4.969	4.866	4.673	4.595	4.539	4.532	4.532
Ending Fill El. (feet):	4.500	4.074	3.775	3.621	3.287	3.192	3.049	2.996	2.812	2.618	2.532	2.476	2.469	2.469
Avg. Void Ratio from PSDDF:	1.98	1.840	1.720	1.604	1.450	1.420	1.360	1.340	1.290	1.197	1.160	1.130	1.130	1.130
Ending γ (pcf):	97.58	99.31	100.94	102.66	105.19	105.72	106.82	107.20	108.18	110.12	110.93	111.62	111.62	111.62
Effective Stress at End Time (ksf):	0.5883	0.439	0.420	0.415	0.397	0.390	0.382	0.378	0.367	0.355	0.350	0.347	0.346	0.346

DRAFT

65 New Orleans Landbridge Shoreline Stabilization and Marsh Creati
Location: Orleans Parish, LA
File No.: 4585017006
Exploration: B-17
Mudline El.: -0.5 feet

LEGEND

	Title
	Manual Input
	Calculation

	Total Settlement (feet) - Large Loaded Area (first sequence of loads)														
Load End Time (days)	30	31	45	75	90	150	180	240	270	365	730	1095	1825	3650	7300
Total Applied Load (tsf):	0.512	0.588	0.439	0.420	0.415	0.397	0.390	0.382	0.378	0.367	0.355	0.350	0.347	0.346	
Layer 1	0.593	0.615	0.732	0.760	0.766	0.784	0.787	0.791	0.792	0.800	0.800	0.800	0.800	0.800	0.800
Layer 2	0.100	0.110	0.150	0.174	0.186	0.223	0.235	0.259	0.268	0.341	0.342	0.355	0.355	0.354	0.353
Layer 3	0.063	0.069	0.100	0.106	0.108	0.114	0.115	0.115	0.115	0.114	0.114	0.111	0.111	0.111	0.110
Layer 4	0.023	0.024	0.033	0.038	0.040	0.046	0.047	0.048	0.048	0.049	0.049	0.047	0.047	0.047	0.047
Layer 5															
Layer 6															
Layer 7															
Layer 8															
Layer 9															
Layer 10															
Total Settlement (feet):	0.78	0.82	1.02	1.08	1.10	1.17	1.18	1.21	1.22	1.30	1.31	1.31	1.31	1.31	1.31

DRAFT

Settle3D Analysis Information

PO-169

Project Settings

Document Name	B456 Marsh Calcs El +4.5 feet Sand.s3z
Project Title	PO-169
Analysis	Containment Dike Settlement
Author	AKY
Company	S&ME
4585-17-006	
Containment Dike	
Stress Computation Method	Boussinesq
Time-dependent Consolidation Analysis	
Time Units	days
Permeability Units	feet/day

Include buoyancy effect when material settles below water table

Use average properties to calculate layered stresses

Improve consolidation accuracy

Ignore negative effective stresses in settlement calculations

Stage Settings

Stage #	Name	Time [days]
1	Stage 1	1
2	Stage 2	10
3	Stage 3	20
4	Stage 4	29
5	Stage 5	30
6	Stage 6	31
7	Stage 7	45
8	Stage 8	75
9	Stage 9	90
10	Stage 10	120
11	Stage 11	150
12	Stage 12	180
13	Stage 13	240
14	Stage 14	270
15	Stage 15	365
16	Stage 16	730
17	Stage 17	1095
18	Stage 18	1825
19	Stage 19	3650
20	Stage 20	7300

Results

Time taken to compute: 0 seconds

Stage: Stage 1 = 1 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	0
Total Consolidation Settlement [in]	0	0
Virgin Consolidation Settlement [in]	0	0
Recompression Consolidation Settlement [in]	0	0
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.184817
Loading Stress XX [ksf]	-0.0302205	0.143755
Loading Stress YY [ksf]	-0.0327604	0.141855
Effective Stress ZZ [ksf]	-9.89423e-020	1.258
Effective Stress XX [ksf]	-0.0302205	1.37542
Effective Stress YY [ksf]	-0.0327604	1.37542
Total Stress ZZ [ksf]	0	3.31479
Total Stress XX [ksf]	-0.0302205	3.43221
Total Stress YY [ksf]	-0.0327604	3.43221
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	0
Total Strain	0	0
Pore Water Pressure [ksf]	0	2.05679
Excess Pore Water Pressure [ksf]	0	0.184817
Degree of Consolidation [%]	0	0
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	3.06	10
Void Ratio	1.13	6.11
Permeability [ft/d]	7.69953e-005	0.0910592
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0

Stage: Stage 2 = 10 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	4.57392
Total Consolidation Settlement [in]	0	4.57392
Virgin Consolidation Settlement [in]	0	1.85092
Recompression Consolidation Settlement [in]	0	2.723
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.369633
Loading Stress XX [ksf]	-0.060441	0.287509
Loading Stress YY [ksf]	-0.0655207	0.283711
Effective Stress ZZ [ksf]	-4.28779e-011	1.46656
Effective Stress XX [ksf]	-0.060441	1.67763
Effective Stress YY [ksf]	-0.0655207	1.67763
Total Stress ZZ [ksf]	0	3.49957
Total Stress XX [ksf]	-0.0604411	3.71065
Total Stress YY [ksf]	-0.0655207	3.71065
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	11042.2
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	11042.2
Total Strain	-6.1791e-008	0.783212
Pore Water Pressure [ksf]	-0.000571334	2.05482
Excess Pore Water Pressure [ksf]	0	0.369611
Degree of Consolidation [%]	0	60.0346
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10
Void Ratio	0.54136	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.00827595

Stage: Stage 3 = 20 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	7.80924
Total Consolidation Settlement [in]	0	7.80924
Virgin Consolidation Settlement [in]	0	3.79808
Recompression Consolidation Settlement [in]	0	4.01116
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-6.23574e-011	1.66818
Effective Stress XX [ksf]	-0.0915773	1.9834
Effective Stress YY [ksf]	-0.0992738	1.9834
Total Stress ZZ [ksf]	0	3.68996
Total Stress XX [ksf]	-0.0915774	4.00519
Total Stress YY [ksf]	-0.0992739	4.00519
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	8721.72
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	8721.72
Total Strain	-2.49809e-007	0.881166
Pore Water Pressure [ksf]	-0.000764605	2.14605
Excess Pore Water Pressure [ksf]	0	0.559419
Degree of Consolidation [%]	0	68.6171
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.15509	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0247087

Stage: Stage 4 = 29 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.5157
Total Consolidation Settlement [in]	0	10.5157
Virgin Consolidation Settlement [in]	0	5.36786
Recompression Consolidation Settlement [in]	0	5.14783
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-2.06464e-025	1.87263
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-2.11758e-022	3.68996
Total Stress XX [ksf]	-0.0915774	3.99112
Total Stress YY [ksf]	-0.0992739	3.99112
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6184.13
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6184.13
Total Strain	-4.67101e-007	0.916664
Pore Water Pressure [ksf]	-0.00113722	2.06256
Excess Pore Water Pressure [ksf]	-1.70678e-006	0.556822
Degree of Consolidation [%]	0	99.8789
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0001
Void Ratio	-0.407482	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0351725

Stage: Stage 5 = 30 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.6483
Total Consolidation Settlement [in]	0	10.6483
Virgin Consolidation Settlement [in]	0	5.41994
Recompression Consolidation Settlement [in]	0	5.22832
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-8.83067e-012	1.87332
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-2.11758e-022	3.68996
Total Stress XX [ksf]	-0.0915774	3.99043
Total Stress YY [ksf]	-0.0992739	3.99043
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6177.64
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6177.64
Total Strain	-6.09376e-007	0.916706
Pore Water Pressure [ksf]	-0.00119726	2.05776
Excess Pore Water Pressure [ksf]	0	0.556322
Degree of Consolidation [%]	0	99.6444
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0002
Void Ratio	-0.407781	6.11
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0351757

Stage: Stage 6 = 31 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	10.7742
Total Consolidation Settlement [in]	0	10.7742
Virgin Consolidation Settlement [in]	0	5.46833
Recompression Consolidation Settlement [in]	0	5.30587
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.87398
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-2.11758e-022	3.68996
Total Stress XX [ksf]	-0.0915774	3.98977
Total Stress YY [ksf]	-0.099274	3.98977
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6171.53
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6171.53
Total Strain	-7.71402e-007	0.916741
Pore Water Pressure [ksf]	-0.00125102	2.0529
Excess Pore Water Pressure [ksf]	-1.18372e-006	0.555767
Degree of Consolidation [%]	0	99.6583
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0002
Void Ratio	-0.408029	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0351835

Stage: Stage 7 = 45 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	12.4226
Total Consolidation Settlement [in]	0	12.4226
Virgin Consolidation Settlement [in]	0	6.20645
Recompression Consolidation Settlement [in]	0	6.2161
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.88256
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-2.11758e-022	3.68996
Total Stress XX [ksf]	-0.0915774	3.98119
Total Stress YY [ksf]	-0.099274	3.98119
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6095.91
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6095.91
Total Strain	-9.44064e-007	0.916823
Pore Water Pressure [ksf]	-0.00128476	1.98365
Excess Pore Water Pressure [ksf]	-4.10776e-008	0.540626
Degree of Consolidation [%]	0	99.7738
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	-0.408615	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0341279

Stage: Stage 8 = 75 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	14.5104
Total Consolidation Settlement [in]	0	14.5104
Virgin Consolidation Settlement [in]	0	7.05051
Recompression Consolidation Settlement [in]	0	7.45988
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.89341
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915774	3.97034
Total Stress YY [ksf]	-0.099274	3.97034
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	6005.24
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	6005.24
Total Strain	-1.1176e-006	0.916887
Pore Water Pressure [ksf]	-0.00131177	1.872
Excess Pore Water Pressure [ksf]	-2.31684e-008	0.459135
Degree of Consolidation [%]	0	99.8654
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	-0.409067	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0350658

Stage: Stage 9 = 90 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	15.2303
Total Consolidation Settlement [in]	0	15.2303
Virgin Consolidation Settlement [in]	0	7.36864
Recompression Consolidation Settlement [in]	0	7.86167
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-1.22195e-011	1.89716
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915774	3.96659
Total Stress YY [ksf]	-0.0992741	3.96659
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5974.82
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5974.82
Total Strain	-1.13125e-006	0.916903
Pore Water Pressure [ksf]	-0.0013229	1.872
Excess Pore Water Pressure [ksf]	-2.27719e-008	0.403671
Degree of Consolidation [%]	0	99.8895
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	-0.409179	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.035227

Stage: Stage 10 = 120 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	16.3389
Total Consolidation Settlement [in]	0	16.3389
Virgin Consolidation Settlement [in]	0	8.10244
Recompression Consolidation Settlement [in]	0	8.23643
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	-8.49118e-012	1.90292
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915775	3.96083
Total Stress YY [ksf]	-0.0992742	3.96083
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5928.64
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5928.64
Total Strain	-1.1348e-006	0.916927
Pore Water Pressure [ksf]	-0.00134546	1.872
Excess Pore Water Pressure [ksf]	-2.11461e-008	0.335481
Degree of Consolidation [%]	0	99.9222
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	-0.409352	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0357608

Stage: Stage 11 = 150 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.1264
Total Consolidation Settlement [in]	0	17.1264
Virgin Consolidation Settlement [in]	0	8.78671
Recompression Consolidation Settlement [in]	0	8.3717
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.9069
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915775	3.95685
Total Stress YY [ksf]	-0.0992742	3.95685
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5897.13
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5897.13
Total Strain	-1.13479e-006	0.916944
Pore Water Pressure [ksf]	-0.00136794	1.872
Excess Pore Water Pressure [ksf]	-1.91162e-008	0.289965
Degree of Consolidation [%]	0	99.9438
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	-0.409473	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0368531

Stage: Stage 12 = 180 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	17.7927
Total Consolidation Settlement [in]	0	17.7927
Virgin Consolidation Settlement [in]	0	9.36067
Recompression Consolidation Settlement [in]	0	8.45592
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.9104
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915775	3.95335
Total Stress YY [ksf]	-0.0992743	3.95335
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5869.94
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5869.94
Total Strain	-1.13477e-006	0.916955
Pore Water Pressure [ksf]	-0.0013845	1.872
Excess Pore Water Pressure [ksf]	-1.70236e-008	0.249754
Degree of Consolidation [%]	0	99.9589
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0003
Void Ratio	-0.409547	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0399368

Stage: Stage 13 = 240 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	19.03
Total Consolidation Settlement [in]	0	19.03
Virgin Consolidation Settlement [in]	0	10.5191
Recompression Consolidation Settlement [in]	0	8.53772
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.91688
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915776	3.94687
Total Stress YY [ksf]	-0.0992744	3.94687
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5821.11
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5821.11
Total Strain	-1.19723e-006	0.916966
Pore Water Pressure [ksf]	-0.00141313	1.872
Excess Pore Water Pressure [ksf]	-1.73853e-008	0.18548
Degree of Consolidation [%]	0	99.9778
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	-0.409626	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0424544

Stage: Stage 14 = 270 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	19.5367
Total Consolidation Settlement [in]	0	19.5367
Virgin Consolidation Settlement [in]	0	10.9997
Recompression Consolidation Settlement [in]	0	8.55899
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.91955
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915776	3.9442
Total Stress YY [ksf]	-0.0992745	3.9442
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5801.46
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5801.46
Total Strain	-1.33127e-006	0.916971
Pore Water Pressure [ksf]	-0.00142383	1.872
Excess Pore Water Pressure [ksf]	-0.00739118	0.160882
Degree of Consolidation [%]	0	99.9836
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	-0.409662	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0430647

Stage: Stage 15 = 365 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	20.7846
Total Consolidation Settlement [in]	0	20.7846
Virgin Consolidation Settlement [in]	0	12.1809
Recompression Consolidation Settlement [in]	0	8.60376
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.92604
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915776	3.93771
Total Stress YY [ksf]	-0.0992746	3.93771
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5754.64
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5754.64
Total Strain	-1.48013e-006	0.916982
Pore Water Pressure [ksf]	-0.00144806	1.872
Excess Pore Water Pressure [ksf]	-4.07585e-009	0.0958899
Degree of Consolidation [%]	0	99.9937
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0004
Void Ratio	-0.409744	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0443774

Stage: Stage 16 = 730 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	22.1429
Total Consolidation Settlement [in]	0	22.1429
Virgin Consolidation Settlement [in]	0	13.5058
Recompression Consolidation Settlement [in]	0	8.63711
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.9331
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915777	3.93065
Total Stress YY [ksf]	-0.0992747	3.93065
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5705.1
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5705.1
Total Strain	-1.62857e-006	0.916996
Pore Water Pressure [ksf]	-0.00147571	1.872
Excess Pore Water Pressure [ksf]	-2.0692e-008	0.00892537
Degree of Consolidation [%]	0	99.9998
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0005
Void Ratio	-0.409844	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0480646

Stage: Stage 17 = 1095 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	22.2797
Total Consolidation Settlement [in]	0	22.2797
Virgin Consolidation Settlement [in]	0	13.641
Recompression Consolidation Settlement [in]	0	8.63878
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.93381
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915777	3.92994
Total Stress YY [ksf]	-0.0992748	3.92994
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5700.22
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5700.22
Total Strain	-1.76083e-006	0.917019
Pore Water Pressure [ksf]	-0.00154066	1.872
Excess Pore Water Pressure [ksf]	-6.95921e-009	0.000844899
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0005
Void Ratio	-0.410005	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0483633

Stage: Stage 18 = 1825 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	22.2945
Total Consolidation Settlement [in]	0	22.2945
Virgin Consolidation Settlement [in]	0	13.6556
Recompression Consolidation Settlement [in]	0	8.63894
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.93389
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915777	3.92986
Total Stress YY [ksf]	-0.0992749	3.92986
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5699.67
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5699.67
Total Strain	-1.88575e-006	0.917023
Pore Water Pressure [ksf]	-0.00155303	1.872
Excess Pore Water Pressure [ksf]	-1.98675e-008	9.34044e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0006
Void Ratio	-0.410035	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0483957

Stage: Stage 19 = 3650 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	22.2946
Total Consolidation Settlement [in]	0	22.2946
Virgin Consolidation Settlement [in]	0	13.6557
Recompression Consolidation Settlement [in]	0	8.63894
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.93389
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915777	3.92986
Total Stress YY [ksf]	-0.0992749	3.92986
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5699.66
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5699.66
Total Strain	-2.00403e-006	0.917023
Pore Water Pressure [ksf]	-0.0015532	1.872
Excess Pore Water Pressure [ksf]	-2.89509e-006	1.62214e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0006
Void Ratio	-0.410036	6.11001
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.048396

Stage: Stage 20 = 7300 d

Data Type	Minimum	Maximum
Total Settlement [in]	0	22.2946
Total Consolidation Settlement [in]	0	22.2946
Virgin Consolidation Settlement [in]	0	13.6557
Recompression Consolidation Settlement [in]	0	8.63894
Immediate Settlement [in]	0	0
Secondary Settlement [in]	0	0
Loading Stress ZZ [ksf]	0	0.56005
Loading Stress XX [ksf]	-0.0915773	0.43562
Loading Stress YY [ksf]	-0.0992738	0.429865
Effective Stress ZZ [ksf]	0	1.93389
Effective Stress XX [ksf]	-0.0915773	2.17379
Effective Stress YY [ksf]	-0.0992738	2.17379
Total Stress ZZ [ksf]	-4.23516e-022	3.68996
Total Stress XX [ksf]	-0.0915777	3.92986
Total Stress YY [ksf]	-0.0992749	3.92986
Modulus of Subgrade Reaction (Total) [ksf/ft]	0	5699.66
Modulus of Subgrade Reaction (Immediate) [ksf/ft]	0	0
Modulus of Subgrade Reaction (Consolidation) [ksf/ft]	0	5699.66
Total Strain	-2.11605e-006	0.917023
Pore Water Pressure [ksf]	-0.0015532	1.872
Excess Pore Water Pressure [ksf]	-1.39816e-006	2.49338e-006
Degree of Consolidation [%]	0	100
Pre-consolidation Stress [ksf]	0.00704	5.53196
Over-consolidation Ratio	1	10.0006
Void Ratio	-0.410036	6.11002
Permeability [ft/d]	7.69953e-005	0.508956
Coefficient of Consolidation [ft ² /d]	0.03	0.19
Hydroconsolidation Settlement [in]	0	0
Average Degree of Consolidation [%]	0	0
Undrained Shear Strength	0	0.0483961

Loads

1. Fill Load: "Fill Load 1"

Label Fill Load 1
 Load Type Flexible
 Area of Load 1e+006 ft²
 Load 0.56005 ksf

Advanced Staging

Stage	Load Factor	Depth [ft]
Stage 1 = 1 d	0.33	0
Stage 2 = 10 d	0.66	0
Stage 3 = 20 d	1	0
Stage 4 = 29 d	1	0
Stage 5 = 30 d	1	0
Stage 6 = 31 d	1	0
Stage 7 = 45 d	1	0
Stage 8 = 75 d	1	0
Stage 9 = 90 d	1	0
Stage 10 = 120 d	1	0
Stage 11 = 150 d	1	0
Stage 12 = 180 d	1	0
Stage 13 = 240 d	1	0
Stage 14 = 270 d	1	0
Stage 15 = 365 d	1	0
Stage 16 = 730 d	1	0
Stage 17 = 1095 d	1	0
Stage 18 = 1825 d	1	0
Stage 19 = 3650 d	1	0
Stage 20 = 7300 d	1	0

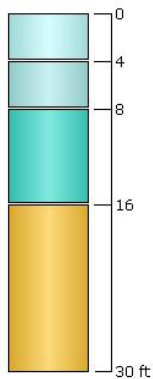
Coordinates

X [ft]	Y [ft]
-500	500
-500	-500
500	-500
500	500





Soil Layers

Ground Surface Drained: Yes

Layer #	Type	Thickness [ft]	Depth [ft]	Drained at Bottom
1	Very Soft Clay (CH) 1	4	0	No
2	Very Soft Clay (CH) 2	4	4	Yes
3	Very Soft Clay (CH) 3	8	8	Yes
4	Medium to Stiff Clay (CH/CL)	14	16	Yes



Soil Properties

Property	Very Soft Clay (CH) 1	Very Soft Clay (CH) 2	Very Soft Clay (CH) 3	Medium to Stiff Clay (CH/CL)
Color				
Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
Saturated Unit Weight [kips/ft ³]	0.08	0.09	0.105	0.115
K0	1	1	1	1
Primary Consolidation	Enabled	Enabled	Enabled	Enabled
Material Type	Non-Linear	Non-Linear	Non-Linear	Non-Linear
Cc	3.13	2.86	0.45	0.21
Cr	0.56	0.51	0.08	0.04
e0	6.11	4.44	1.53	1.13
OCR	10	3.99	3.06	4.4
Cv [ft ² /d]	0.03	0.03	0.085	0.19
Cvr [ft ² /d]	0.03	0.03	0.085	0.19
B-bar	1	1	1	1
Undrained Su A [kips/ft ²]	0	0	0	0
Undrained Su S	0.2	0.2	0.2	0.2
Undrained Su m	0.8	0.8	0.8	0.8
Piezo Line ID	1	1	1	1

Groundwater

Groundwater method Piezometric Lines
 Water Unit Weight 0.0624 kips/ft³

Piezometric Line Entities

ID	Depth (ft)
1	0 ft
2	0 ft

Query Points

Point #	Query Point Name	(X,Y) Location	Number of Divisions
1	Center	0, 0	Auto: 57

Field Point Grid

Number of points 288
 Expansion Factor 2

Grid Coordinates

X [ft]	Y [ft]
1028.5	2000
1028.5	-2000
-1028.5	-2000
-1028.5	2000



S&ME, Inc.,
2736 O'Neal Lane, Suite A
Baton Rouge, LA 70816

ATTN: Mr. Venu Tammineni, P.E.
Senior Engineer

Subject: Low Stress Consolidation Test Results
New Orleans Landbridge Marsh Creation
Orleans Parish, Louisiana
APS File No.: 1706-G038

Dear Mr. Tammineni:

APS has completed the Low Stress Consolidation testing of the two borrow area samples that were homogenized from Soil Borings B1 through B6. Sample 1 (B123) was prepared using Soil Borings B1, B2 and B3 and Sample 2 (B456) was prepared using Soil Borings B4, B5 and B6.

Please review these test results and contact our office at (225) 456 5714 for any questions or comments.

Respectfully Submitted by,
APS Engineering and Testing, LLC

A handwritten signature in blue ink, appearing to read 'Sairam Eddanapudi'.

Sairam Eddanapudi, P.E.
Project Manager

Low Stress Consolidation Test Procedure

- A composite sample of the prepared slurry (from Settling Column Test) was obtained to perform the Self Weight Consolidation Test.
- The initial moisture content, atterberg limits, hydrometer and percent fines (-200) tests were performed on the samples according to ASTM procedures.
- Then the slurry was prepared with a pre-determined moisture content equal to two to three times its liquid limit.
- The slurry was placed into the consolidometer setup and the initial weight was measured.
- The load cell was lowered in order to contact the slurry sample. It was very critical to perform this task with the minimum disturbance to the sample prior to loading.
- It is also very important to commence the test as practically as possible after the slurry was placed into the ring setup.
- The incremental loading cycles with a minimum applied duration of 24 hours were as follows: 1, 2, 5, 10, 25, 50, 100, 200 and 400 psf.
- The final weight of the consolidated sample with the consolidometer setup and the final moisture content of the consolidated sample were measured.
- The Casagrande (or Log time) and Taylor (or Root time) methods were employed to analyze the results to determine the coefficient of consolidation, c_v .

The properties, weights and low stress test results of sample 1 (B123) and sample 2 (B456) are presented in the following tables.

B123	As-mixed moisture = 53%	LL = 50	PL = 18	Silt = 44.8%	Clay = 11.3%
B456	As-mixed moisture = 62%	LL = 61	PL = 20	Silt = 57.5%	Clay = 25.8%

TABLE 1.0: Properties of Slurry Samples

Sample ID	Initial Water Content of Slurry (%)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Percentage of		
					Clay	Silt	Sand
B123	199.6	64	24	40	13.5	83.2	3.3
B456	158.2	67	24	43	25.7	72.5	1.8

TABLE 2.0: Slurry Sample initial (before test) and final (after test) weights

Sample ID	Initial Water Content of Slurry (%)	Initial weight of Slurry Sample (grams)	Final weight of Slurry sample (grams)	Final weight of oven dry sample (W_{solids}) (grams)
B123	199.6	98.17	56.98	32.77
B456	158.2	96.35	56.54	37.32

Sample 1 (B123)

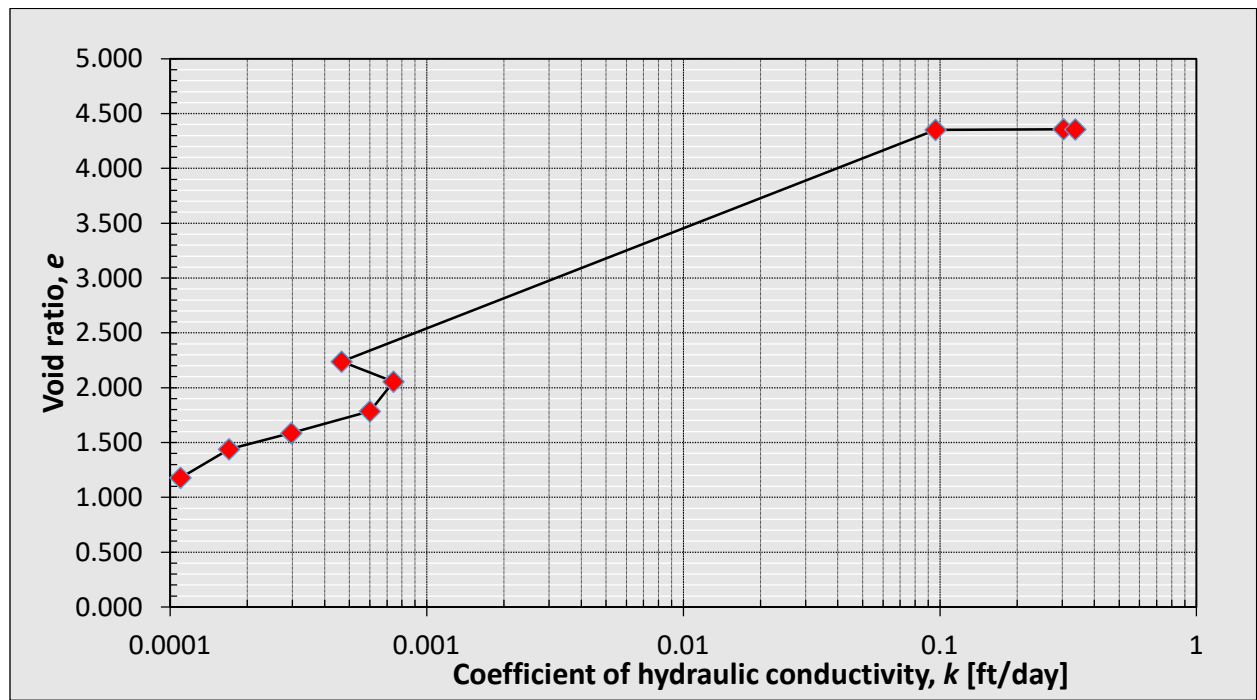
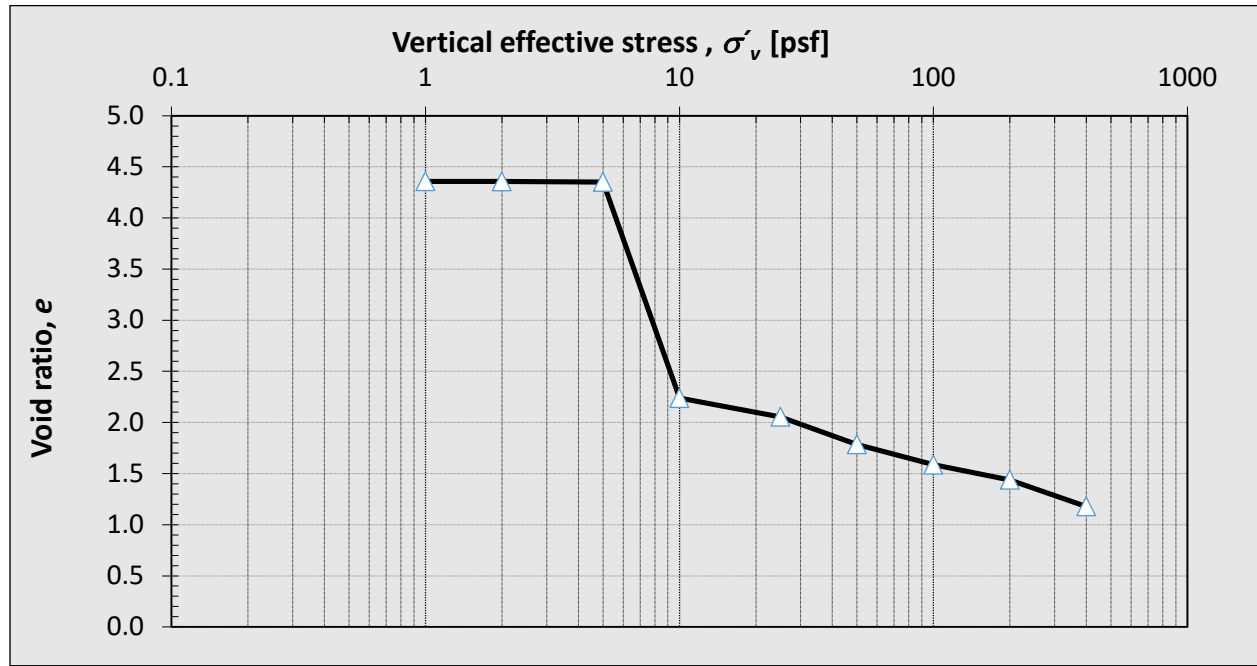
- Ring Volume = 80.4 cm³
- Initial Void Ratio (e_o) of Sample 1 = $V_v (=V_w) / V_s = 65.4 / 15 = 4.36$
- Compression Index (C_c) = $(4.3582 - 1.1788) / \text{LOG} (400 / 1) = 1.22$

TABLE 3.0: SAMPLE 1 (B123) TEST RESULTS

Applied Pressure(σ')	Initial Height (H_i)	d_{100}	Final Height (H_f)	Drainage Length (H_d)	T_{50}	T_{90}	e_{100}	Δe_{100}
1	1.0000	0.0003	0.9996	0.49989	10	36	4.3582	0.00180
2	0.9996	0.0007	0.9993	0.49971	6	24	4.3561	0.00394
5	0.9993	0.0016	0.9984	0.49942	9	21.2	4.3516	0.008415
10	0.9984	0.396	0.5930	0.39785	550	993	2.2374	2.12260
25	0.5930	0.430	0.5697	0.29067	79	343	2.0552	2.30480
50	0.5697	0.4804	0.5196	0.27234	40	143	1.7851	2.57490
100	0.5196	0.5175	0.4788	0.24962	34	157	1.5862	2.77380
200	0.4549	0.545	0.4549	0.23344	40	72.3	1.4388	2.92120
400	0.4549	0.5935	0.4039	0.21471	17	52	1.1788	3.18120

TABLE 4.0: SAMPLE 1 (B123) TEST RESULTS

Applied Pressure(σ')	$C_{\alpha s}$	C_v (ft ² / min)	K (ft / min)
1	0.0087	3.4186E-05	0.000211049
2	0.0083	5.6935E-05	0.000234326
5	0.0076	3.7914E-05	6.68749E-05
10	0.0072	3.9371E-07	3.24079E-07
25	0.0070	1.4631E-06	5.1614E-07
50	0.0055	2.5366E-06	4.17601E-07
100	0.0039	2.5071E-06	2.06368E-07
200	0.0021	1.8638E-06	1.10458E-07
400	0.0013	3.7099E-06	7.6345E-08



Sample 2 (B456)

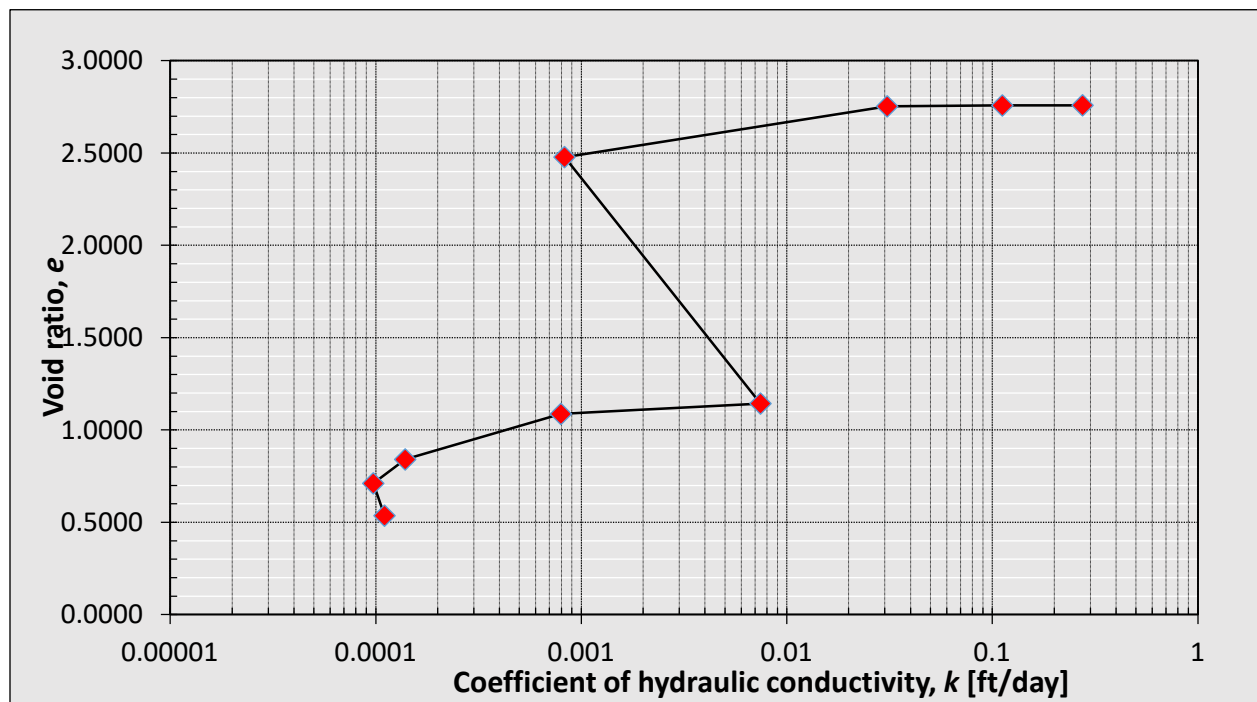
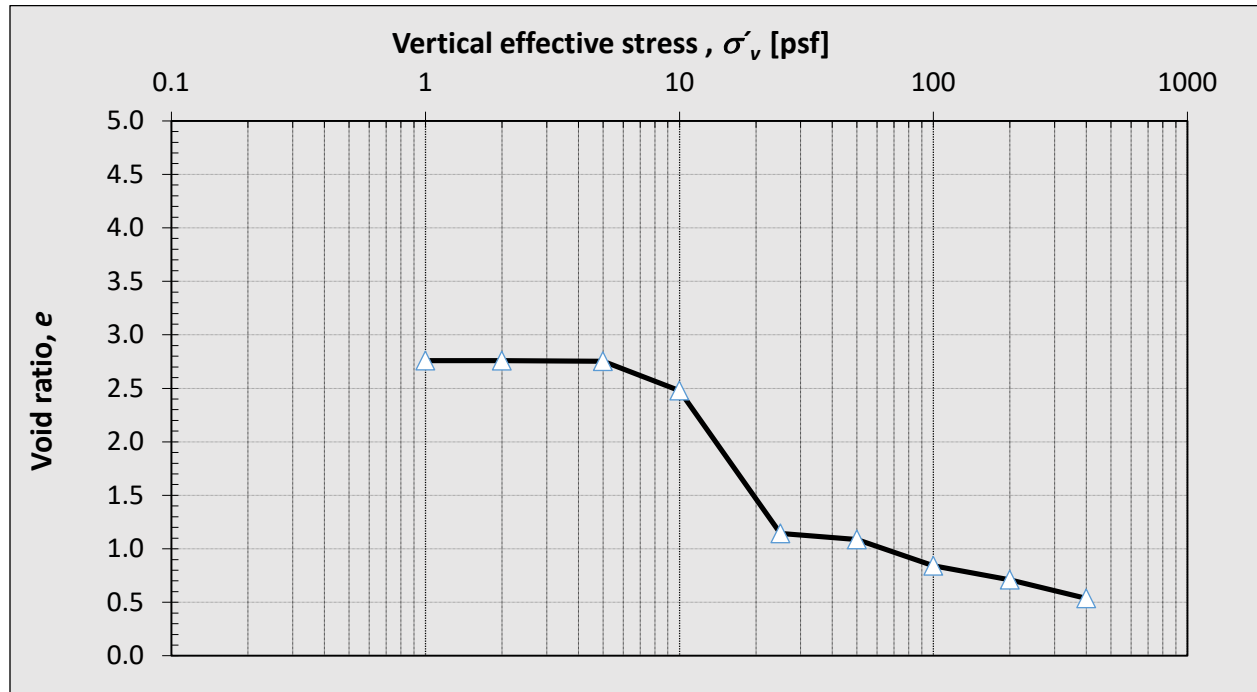
- Ring Volume = 80.4 cm³
- Initial Void Ratio (e_o) of Sample 1 = $V_v (=V_w) / V_s = 59.03 / 21.37 = 2.76$
- Compression Index (C_c) = $(2.76 - 0.5360) / \text{LOG}(400 / 1) = 0.85$

TABLE 5.0: SAMPLE 2 (B456) TEST RESULTS

Applied Pressure(σ')	Initial Height (H_i)	d_{100}	Final Height (H_f)	Drainage Length (H_d)	T_{50}	T_{90}	e_{100}	Δe_{100}
1	1.0000	0.0004	0.9996	0.4999	11	33.60	2.7584	0.0016
2	0.9996	0.0006	0.9993	0.4997	18	45.80	2.7576	0.0024
5	0.9993	0.002	0.9980	0.4994	28	68.90	2.7526	0.0074
10	0.9980	0.075	0.9251	0.4808	450	1296.00	2.4780	0.2820
25	0.9251	0.43	0.7249	0.4125	15.8	23.50	1.1432	1.6168
50	0.7249	0.445	0.5314	0.3141	40	625.00	1.0868	1.6732
100	0.5314	0.5105	0.4856	0.2542	75	225.00	0.8405	1.9195
200	0.4856	0.545	0.4461	0.2392	45	182.25	0.7108	2.0492
400	0.4461	0.5915	0.4036	0.2124	16.5	110.25	0.5360	2.2240

TABLE 4.0: SAMPLE 2 (B456) TEST RESULTS

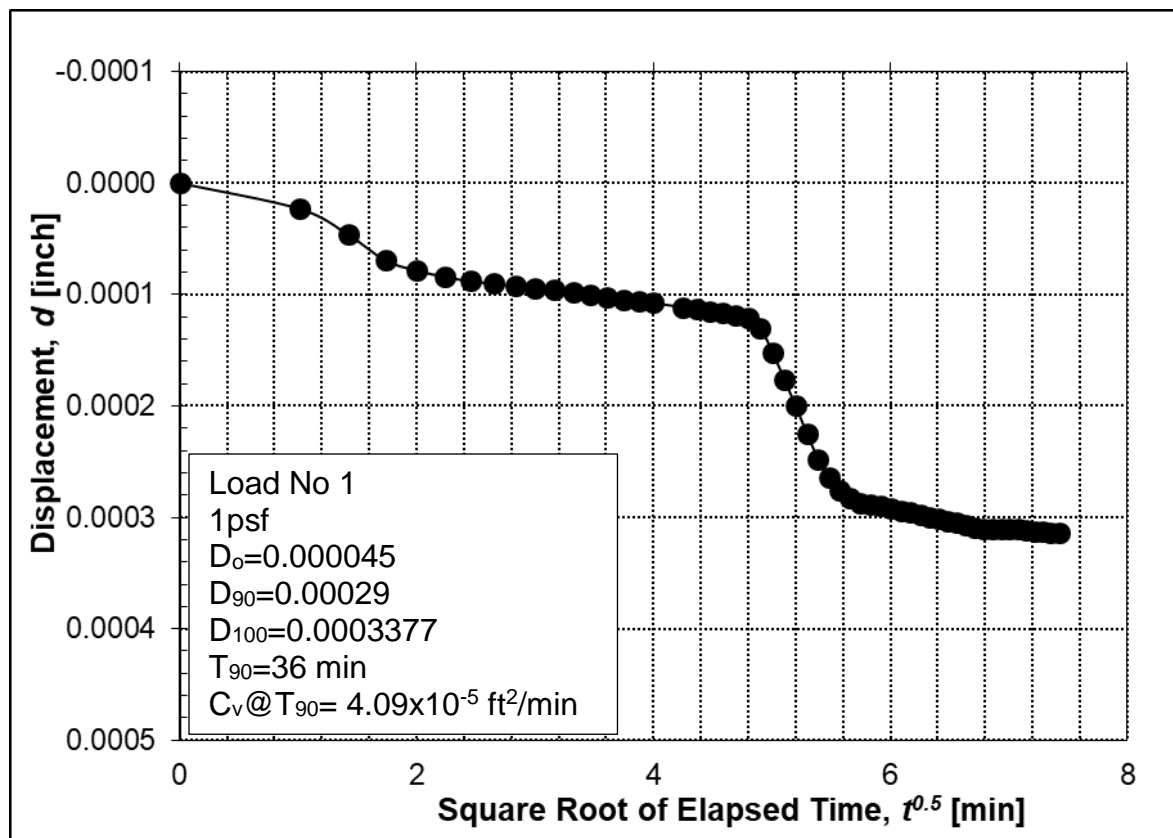
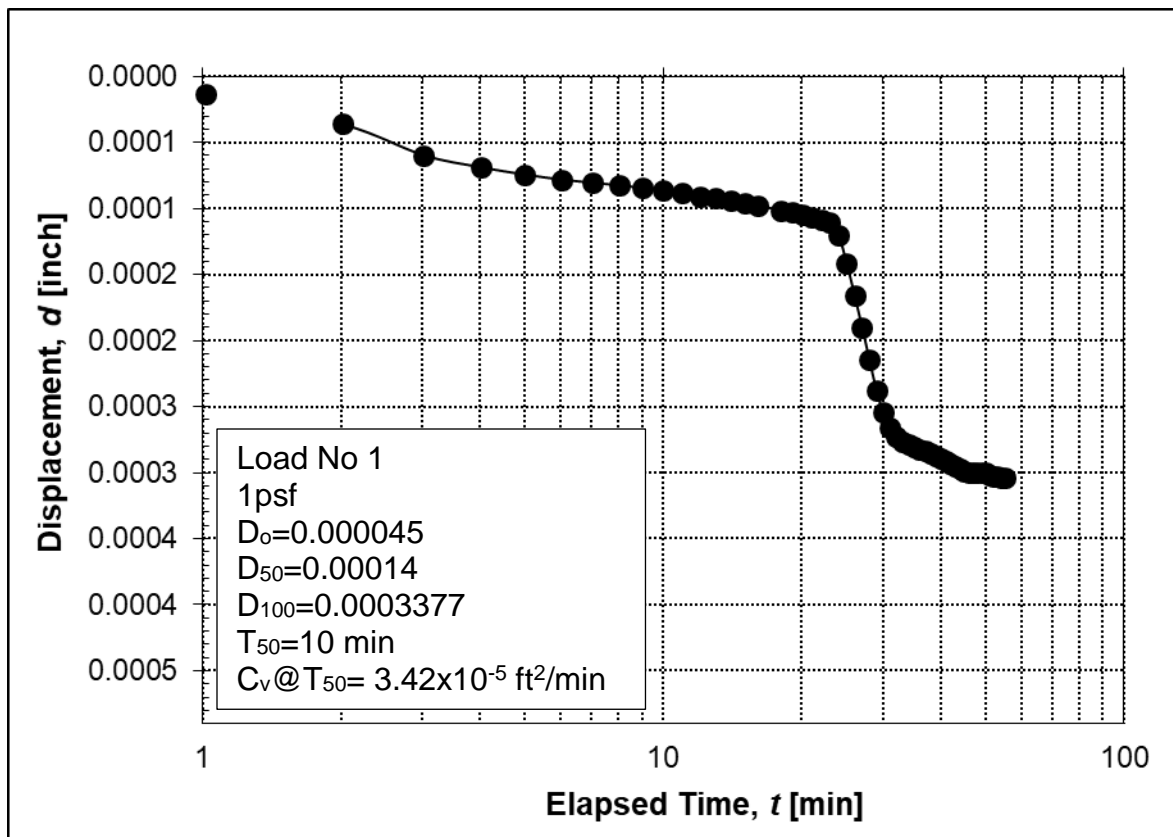
Applied Pressure(σ')	$C_{\alpha s}$	C_v (ft ² / min)	K (ft / min)
1	0.0002	4.38E-05	0.00019119
2	6E-05	3.21E-05	7.78427E-05
5	0.0005	2.13E-05	2.14135E-05
10	0.0189	1.05E-06	5.76412E-07
25	0.0950	4.26E-05	5.17942E-06
50	0.0640	9.2951E-07	5.53505E-07
100	0.0110	1.69181E-06	9.67139E-08
200	0.0080	1.7528E-06	6.76354E-08
400	0.0067	2.40997E-06	7.67117E-08



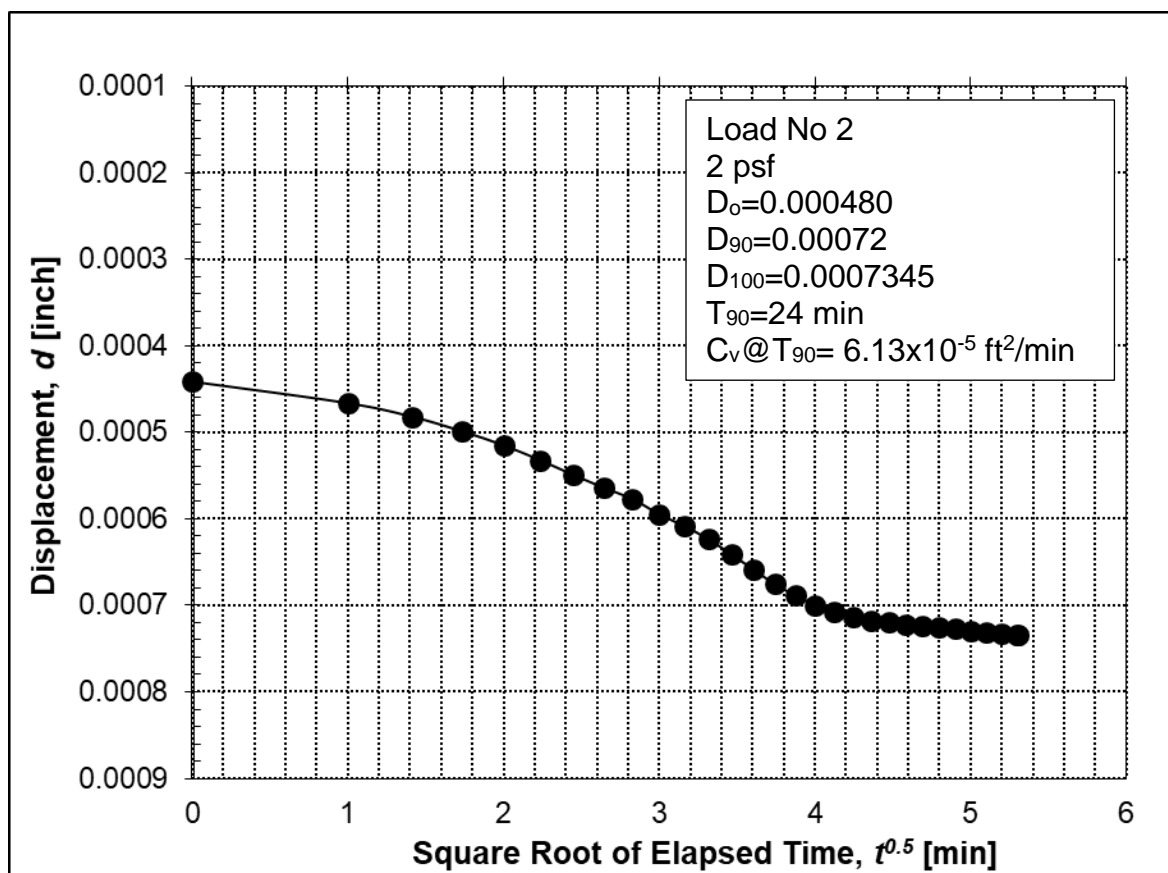
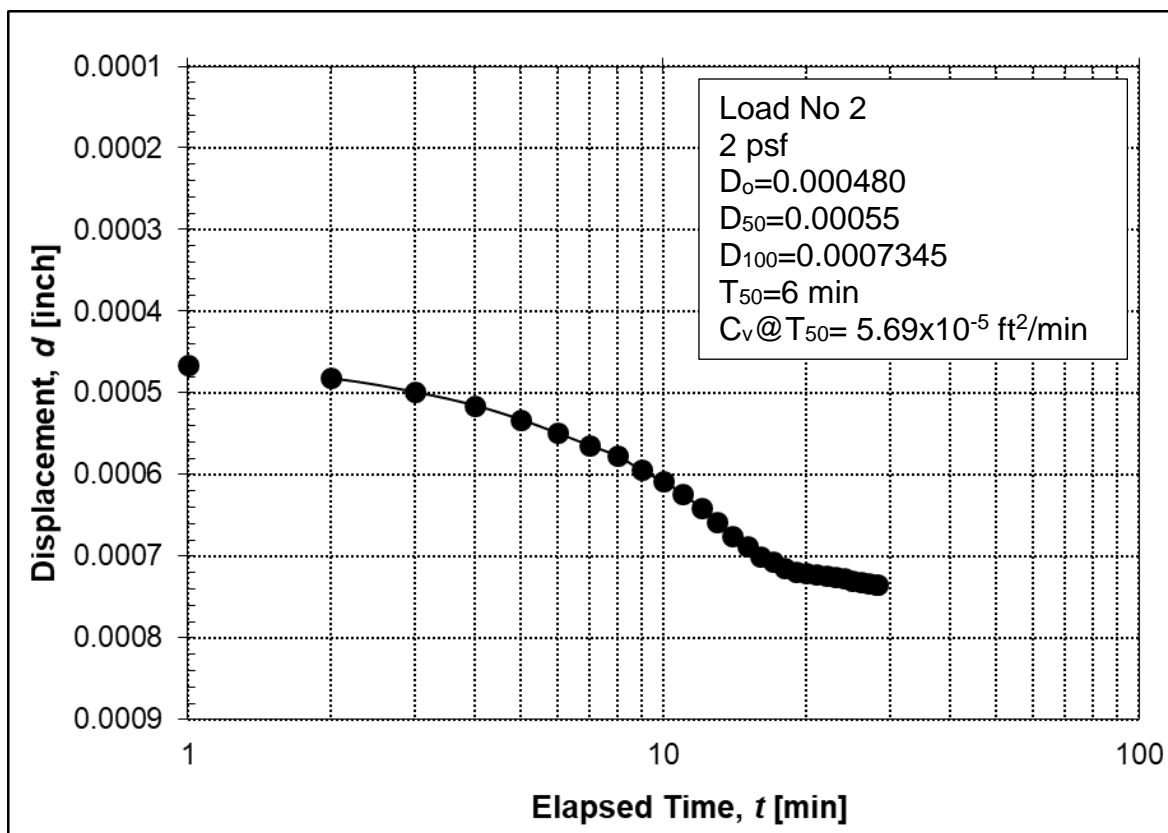
SAMPLE B123

LOW STRESS CONSOLIDATION CURVES

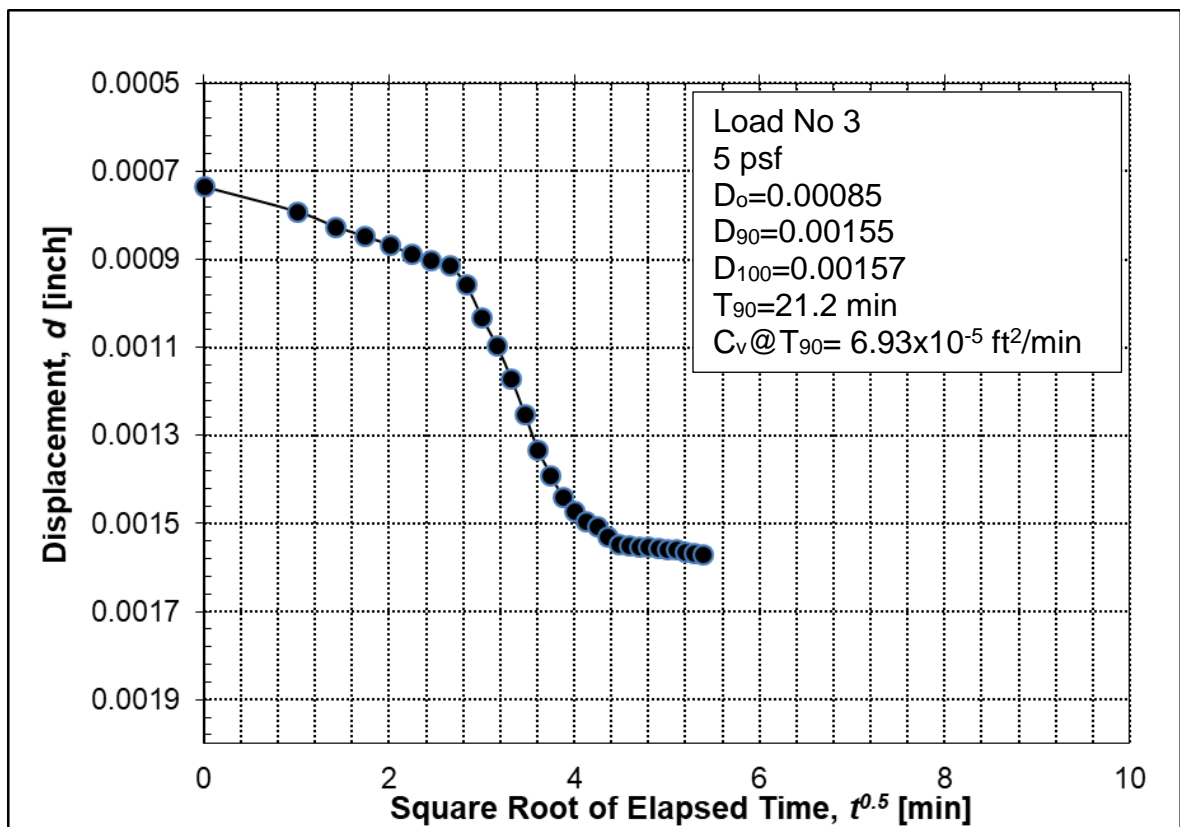
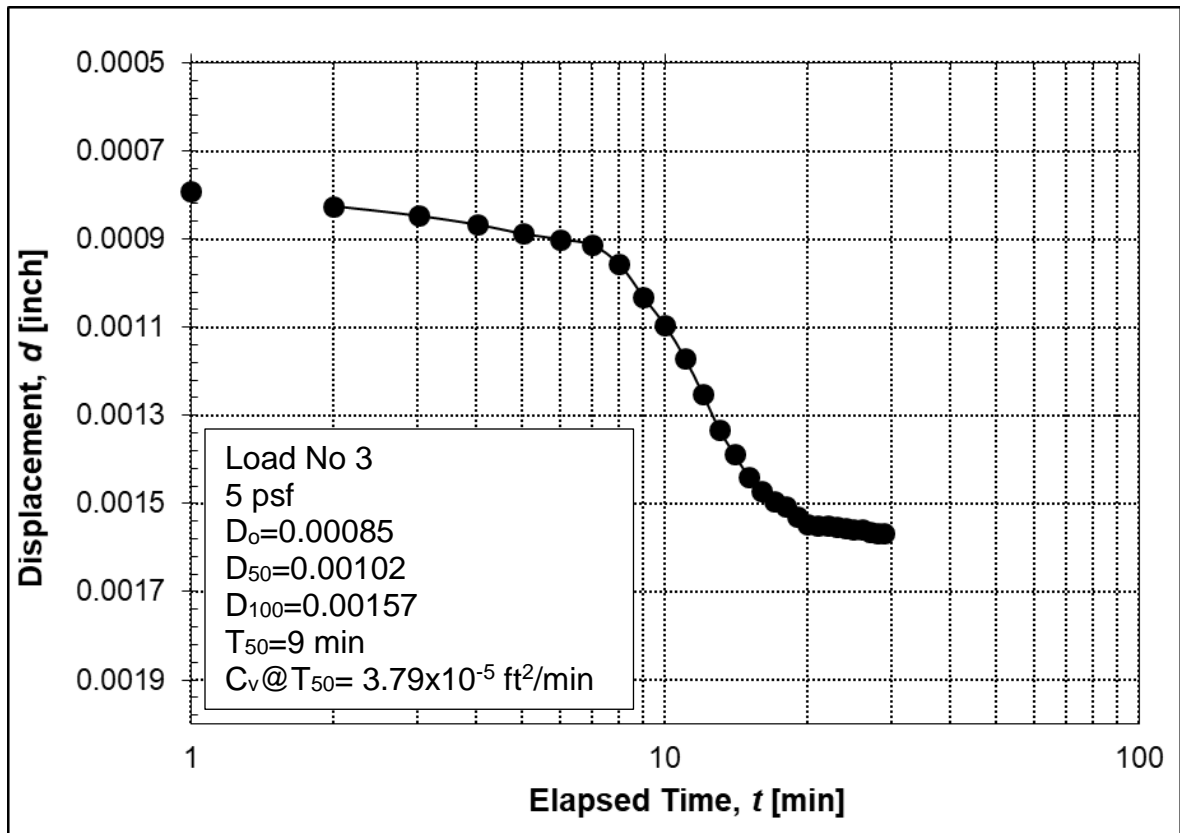
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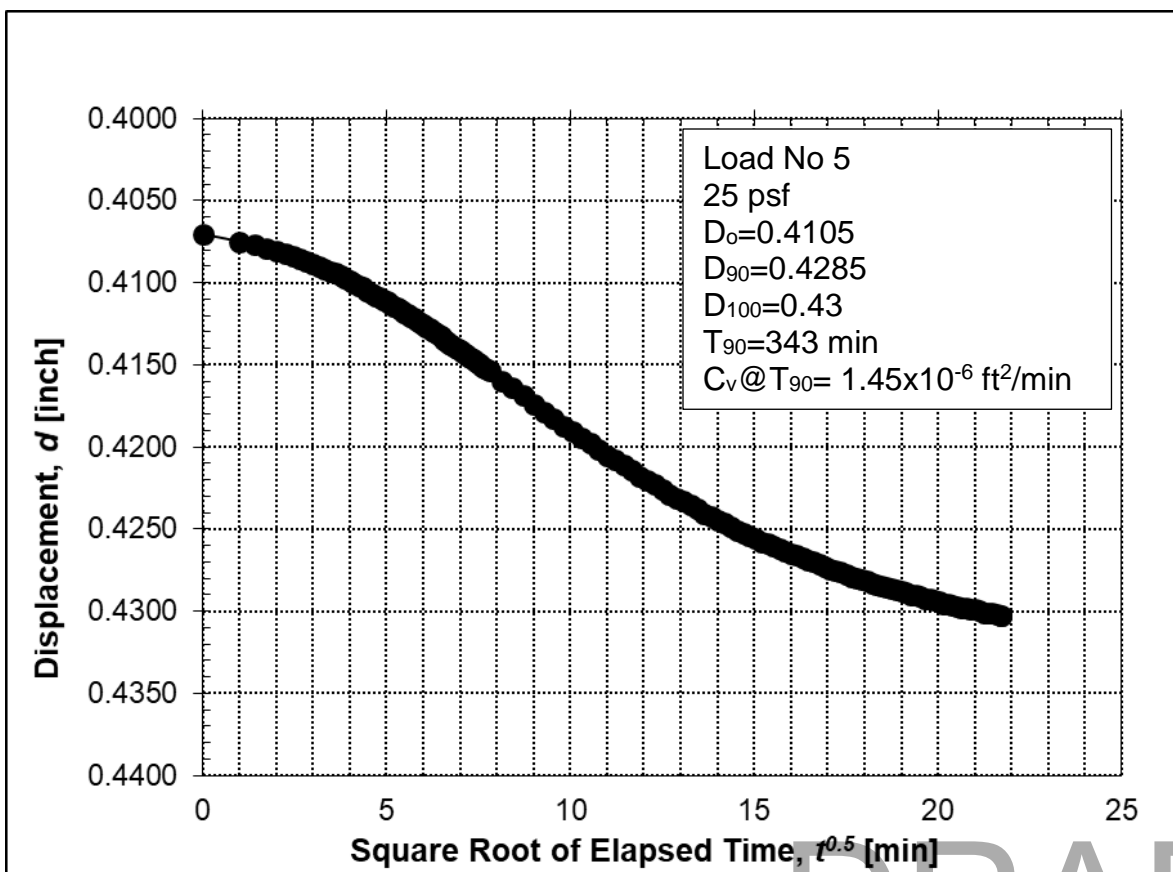
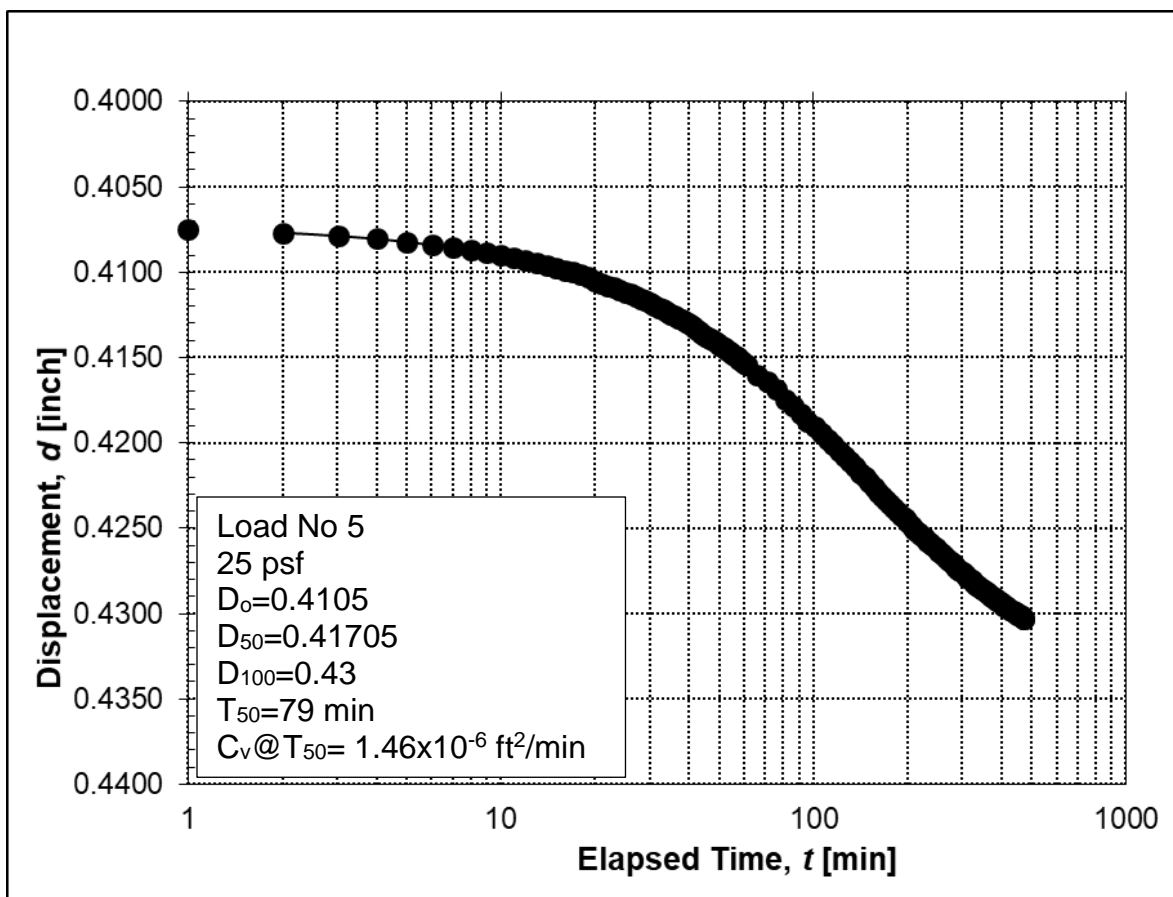
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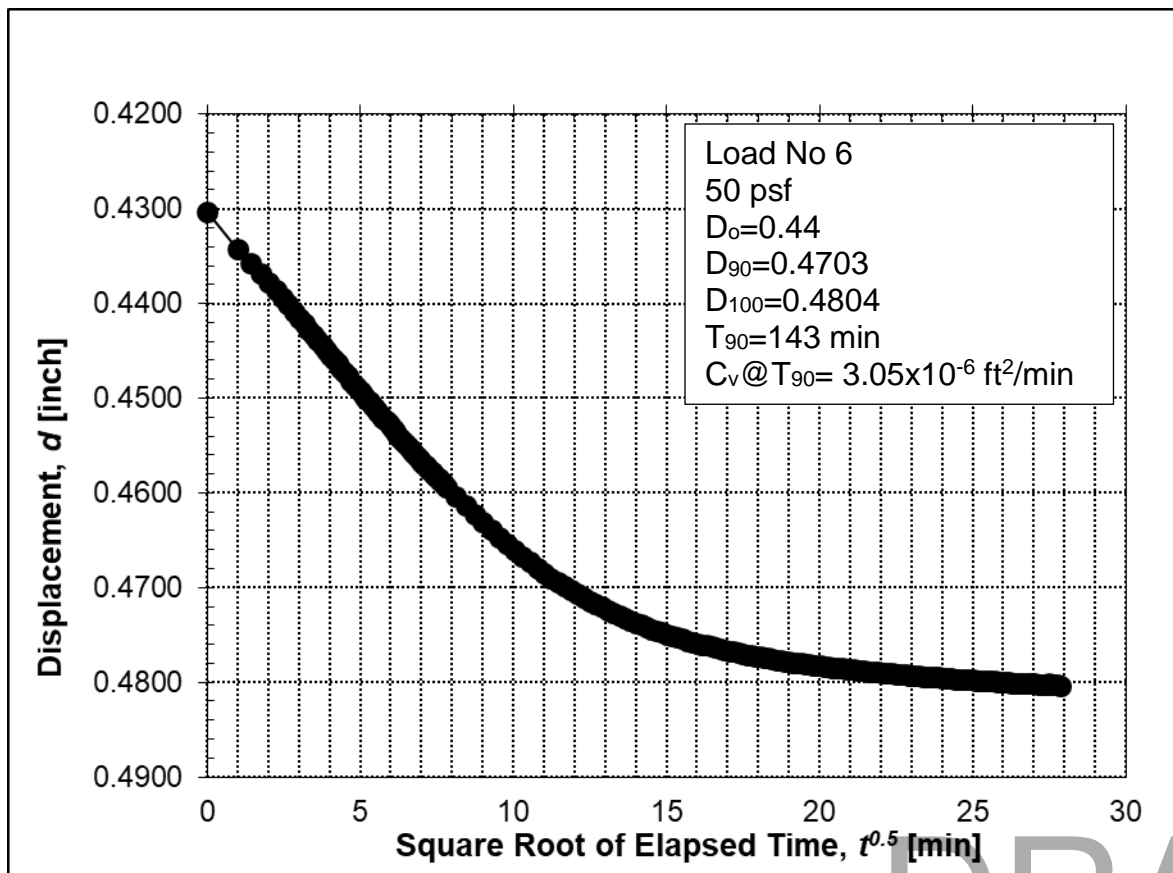
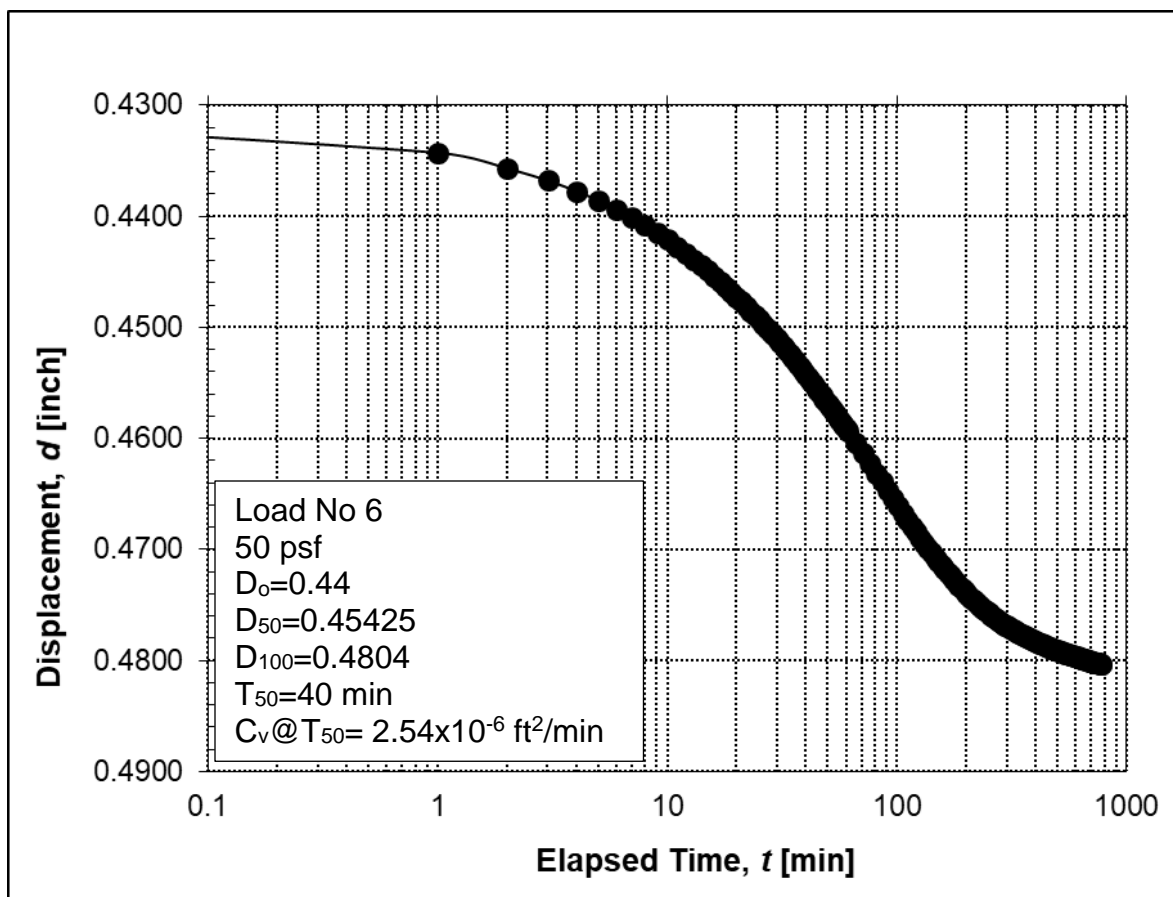
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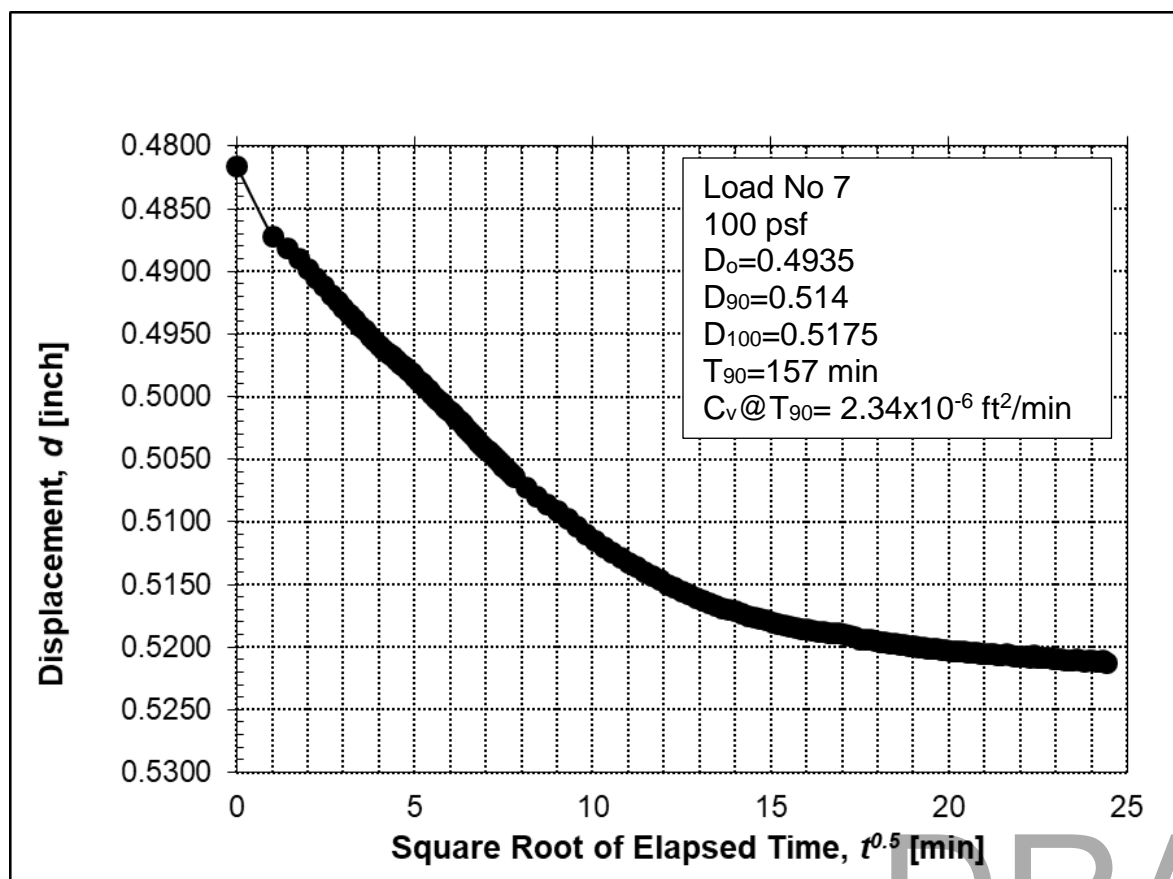
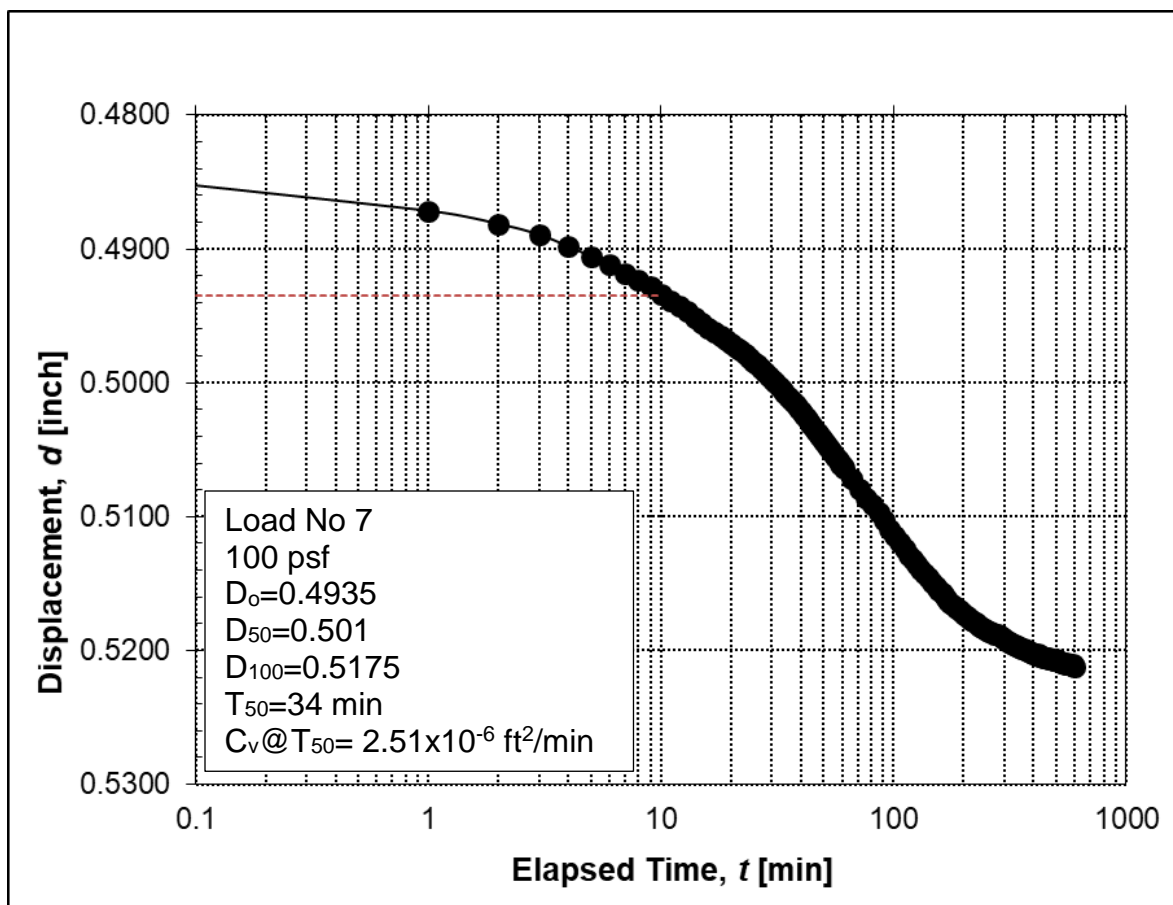
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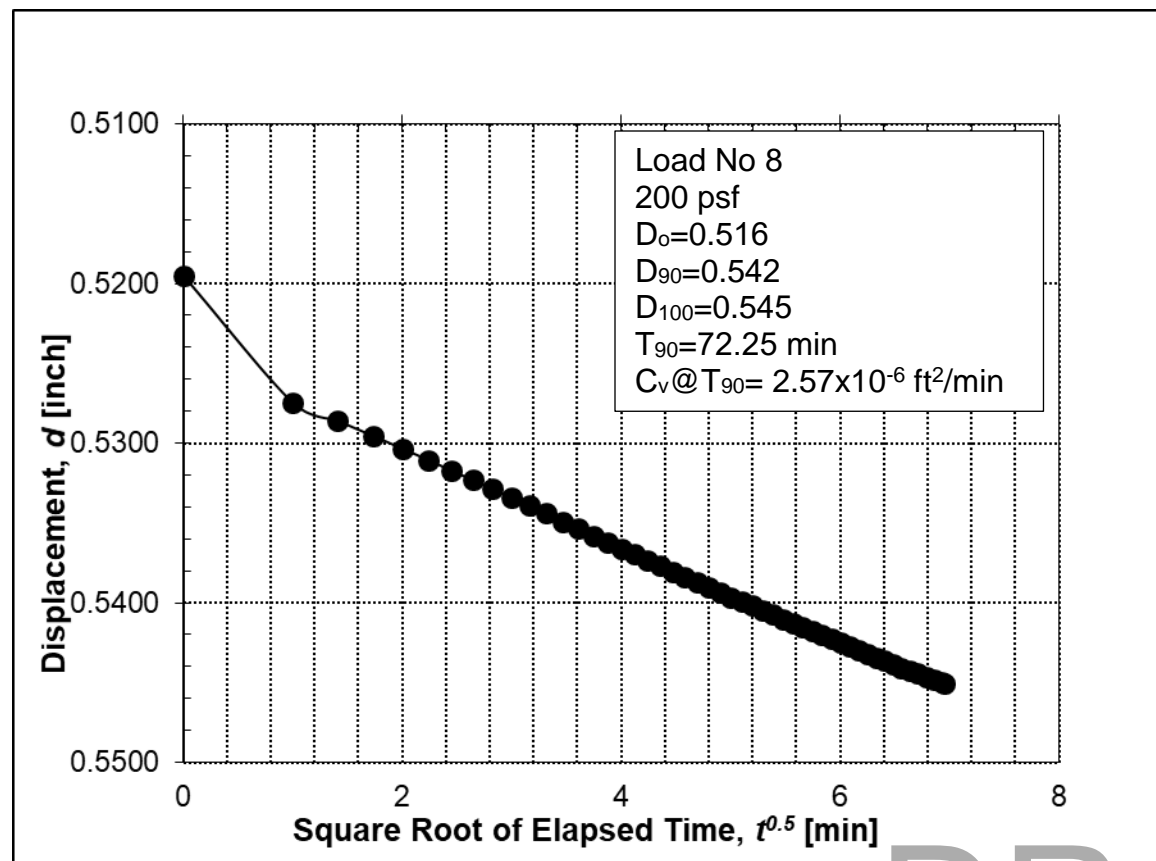
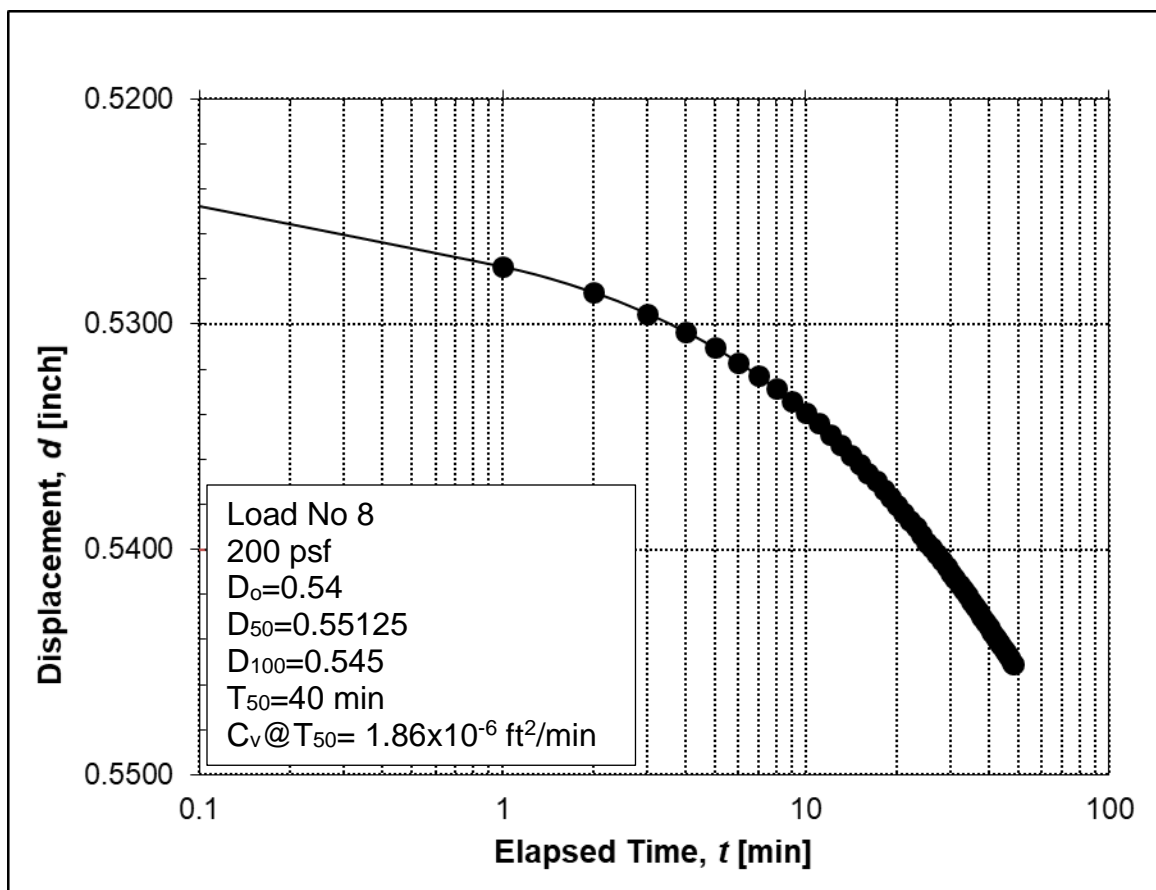
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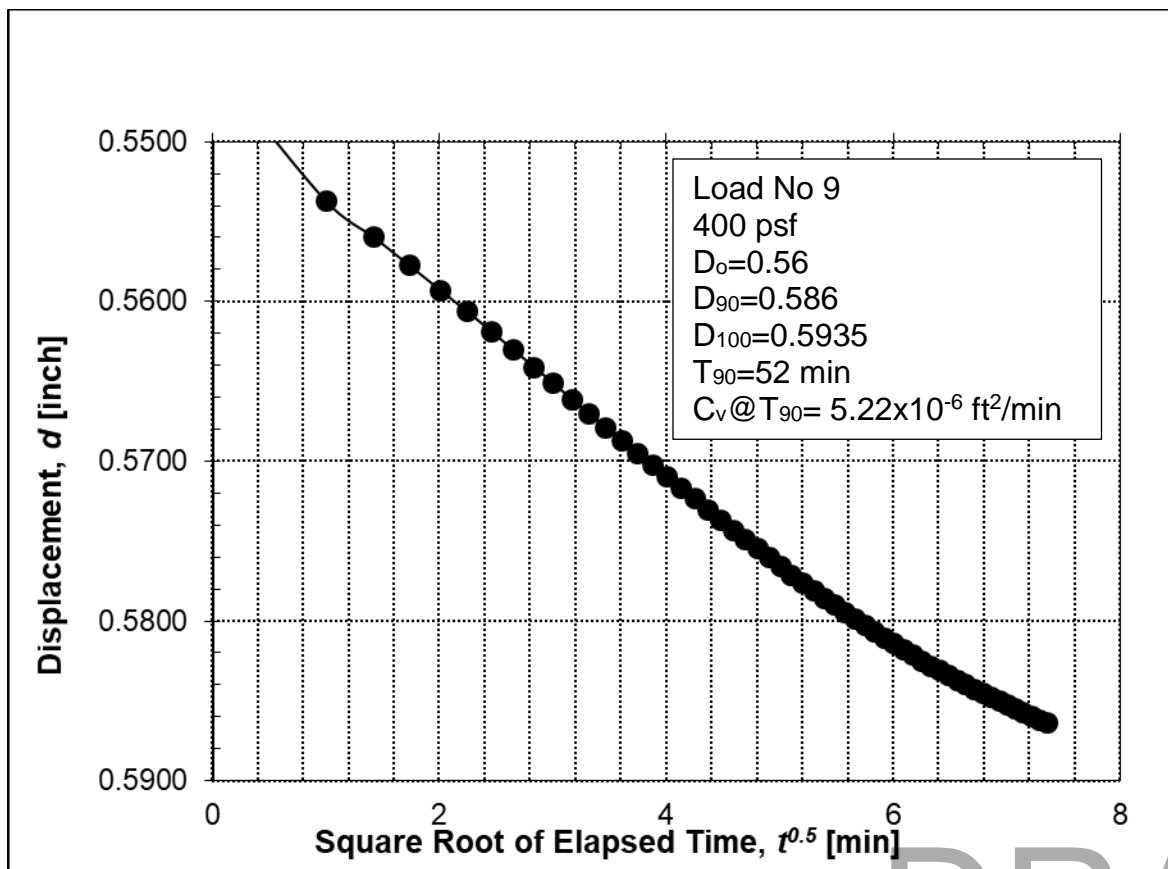
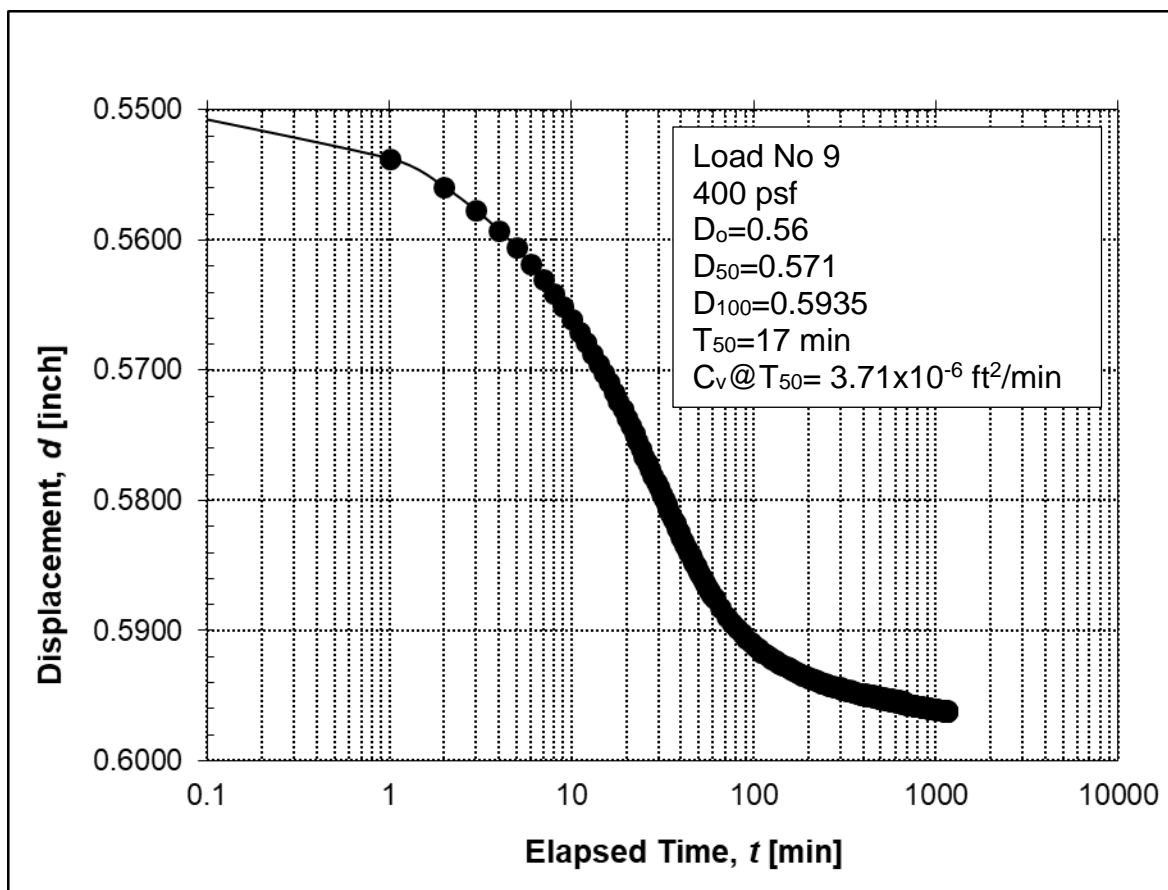
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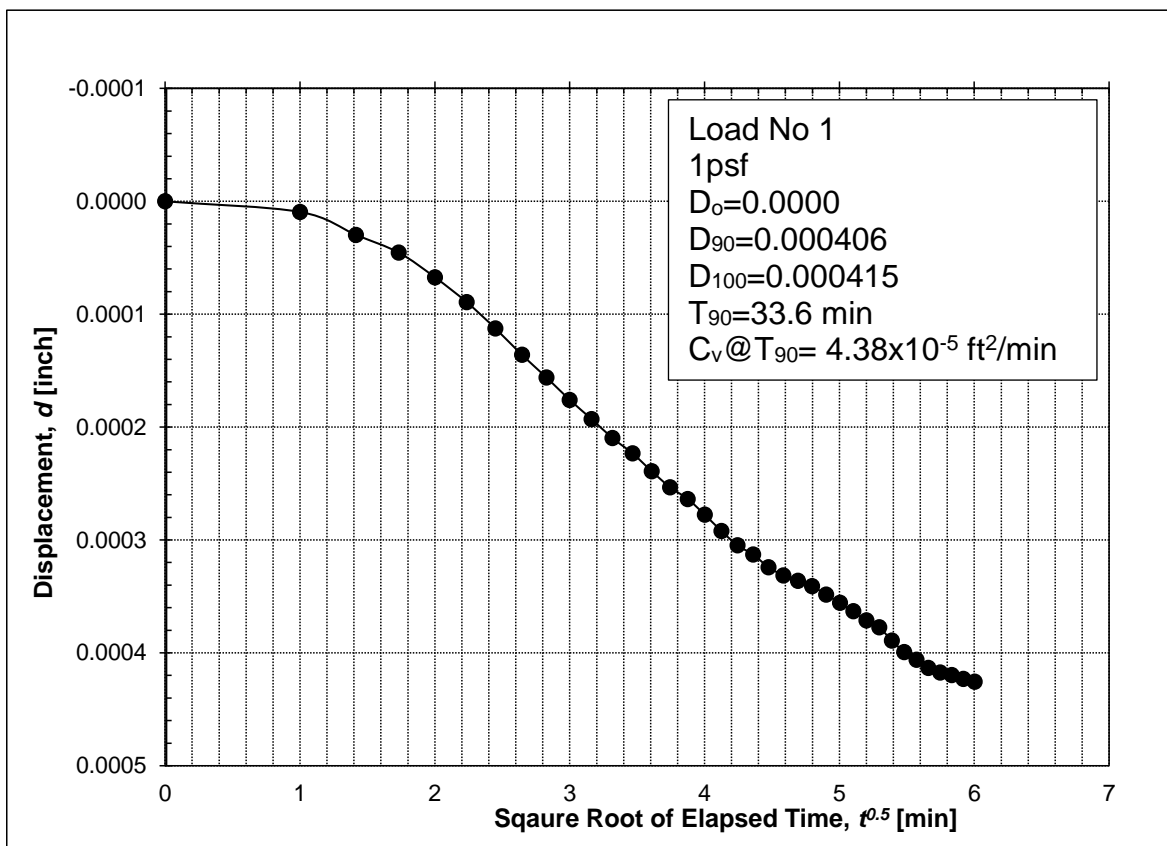
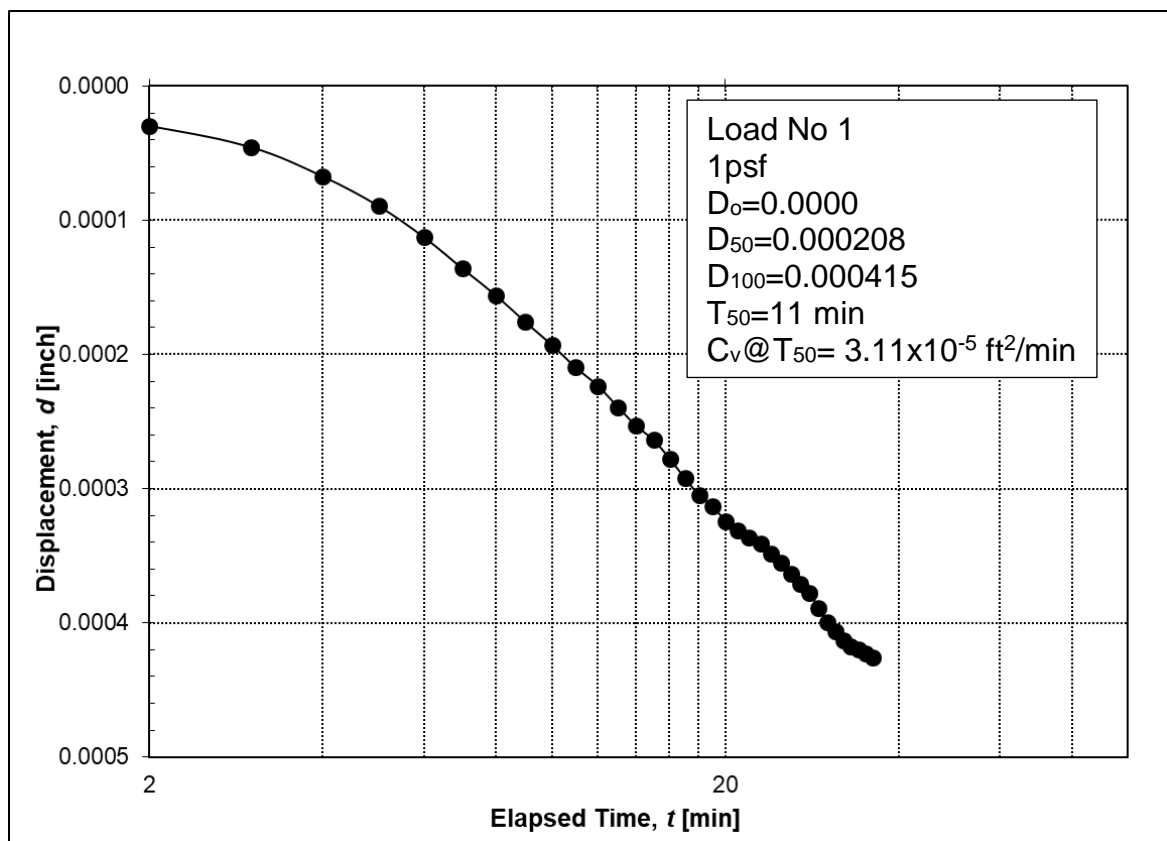


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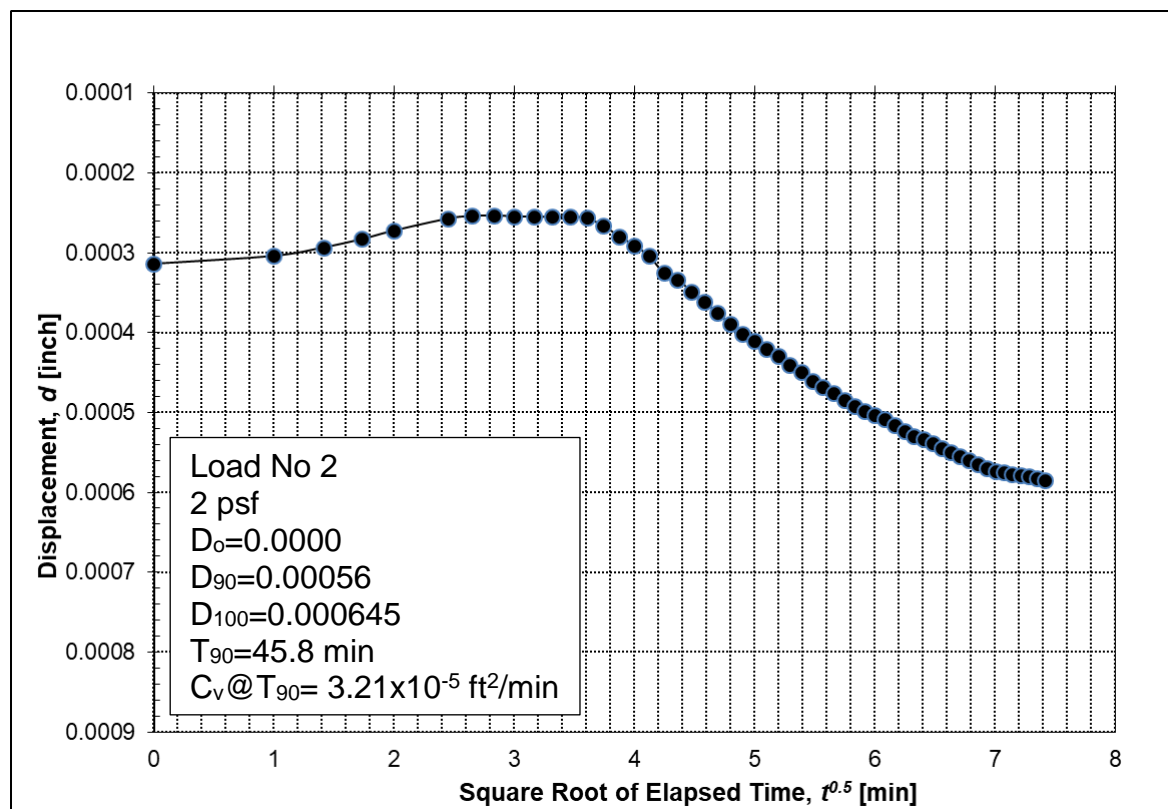
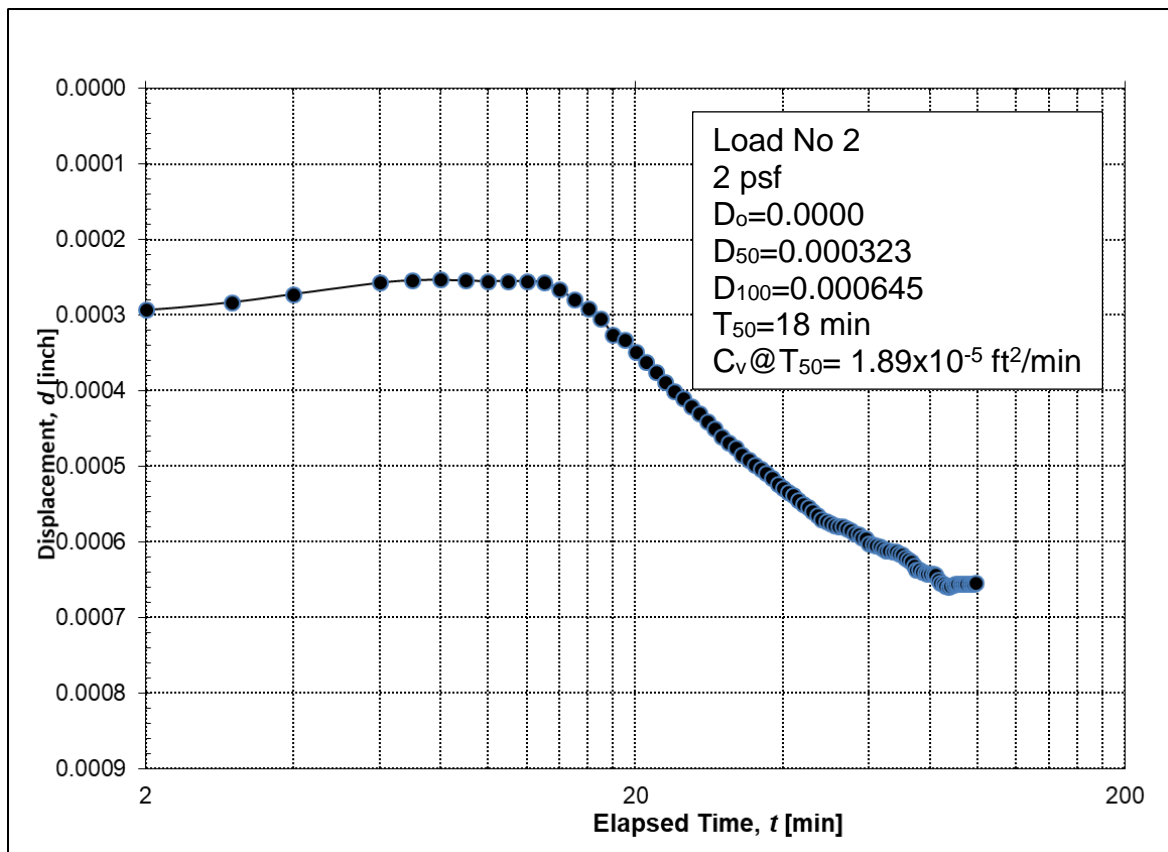
SAMPLE B456

LOW STRESS CONSOLIDATION CURVES

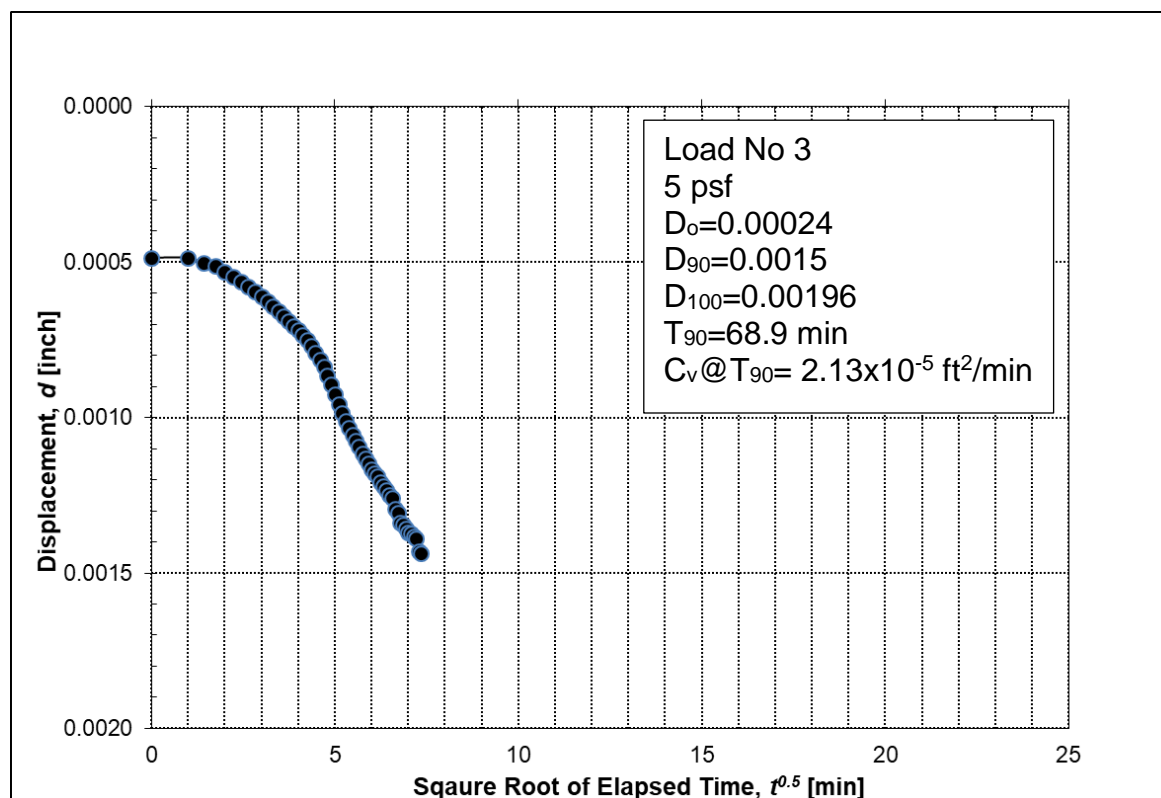
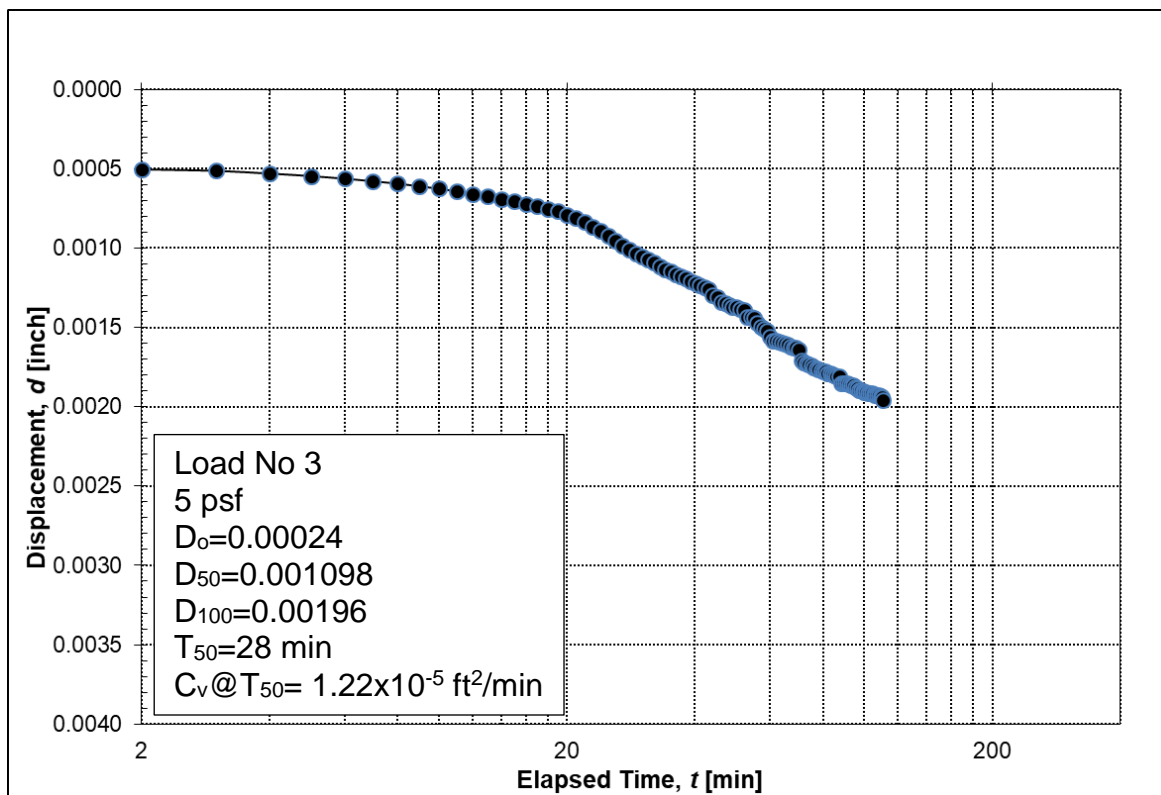
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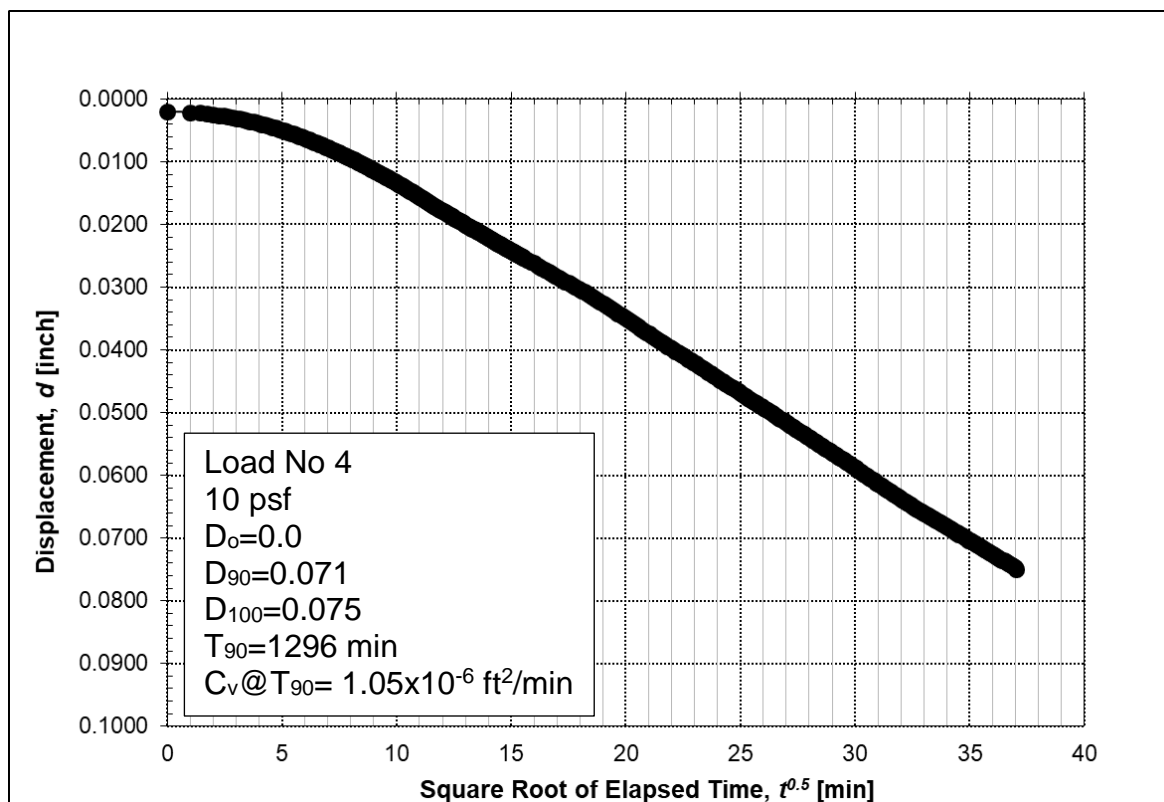
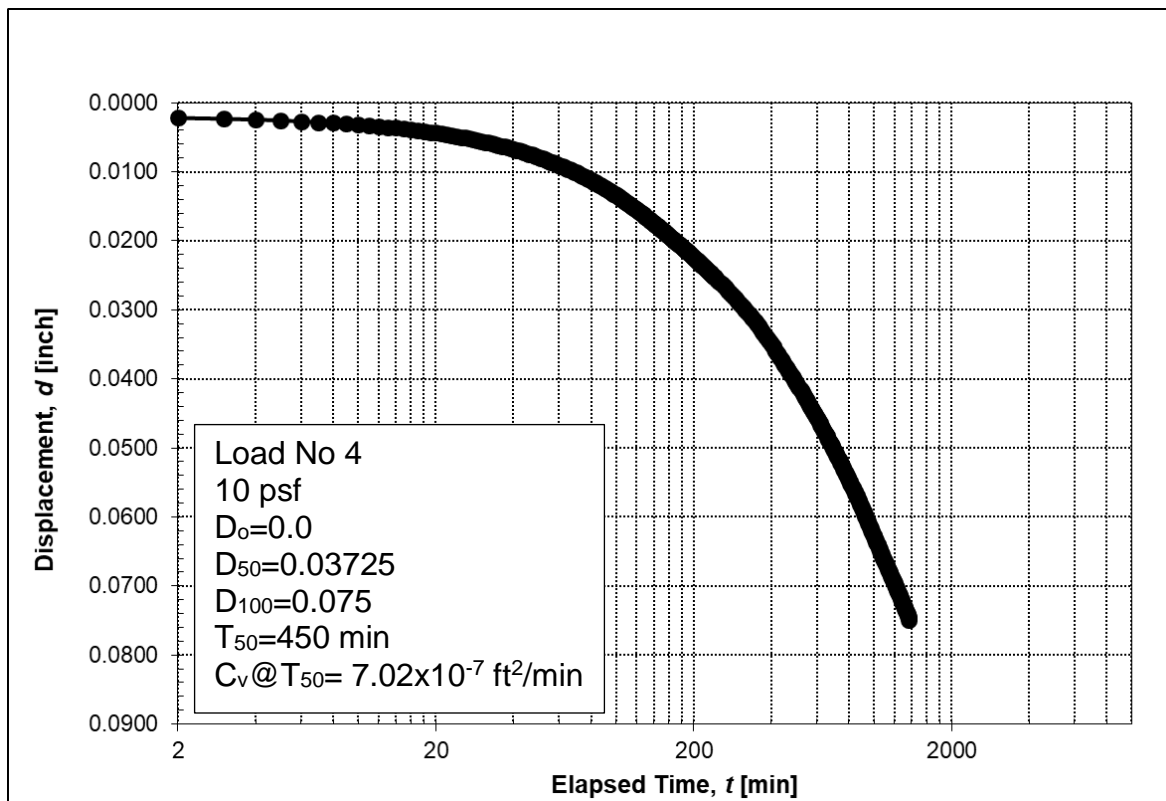
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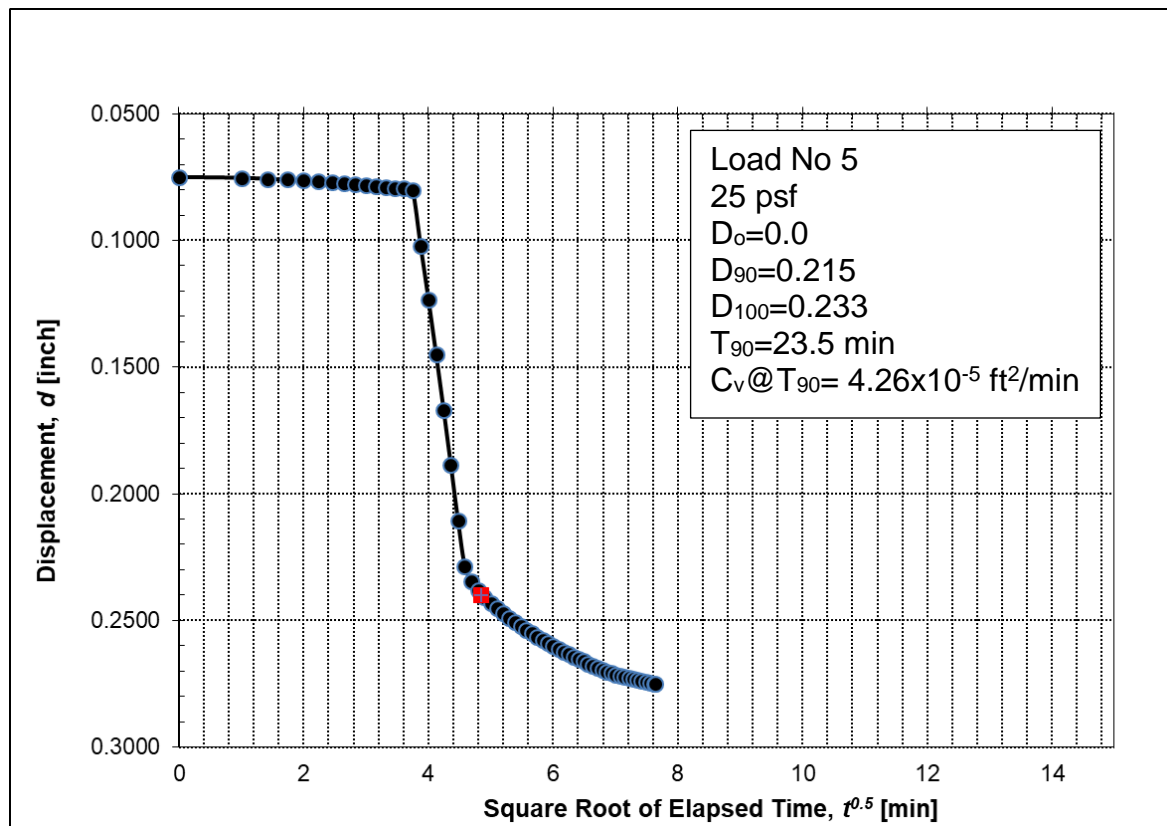
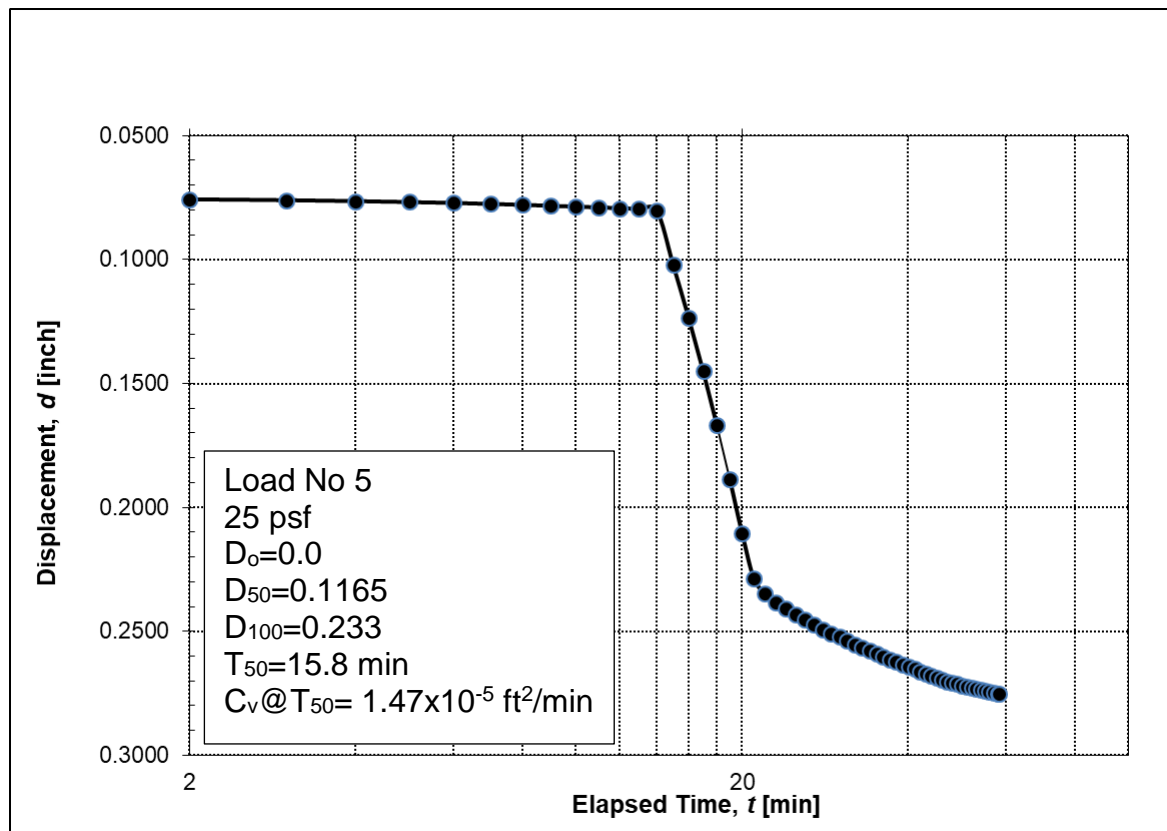
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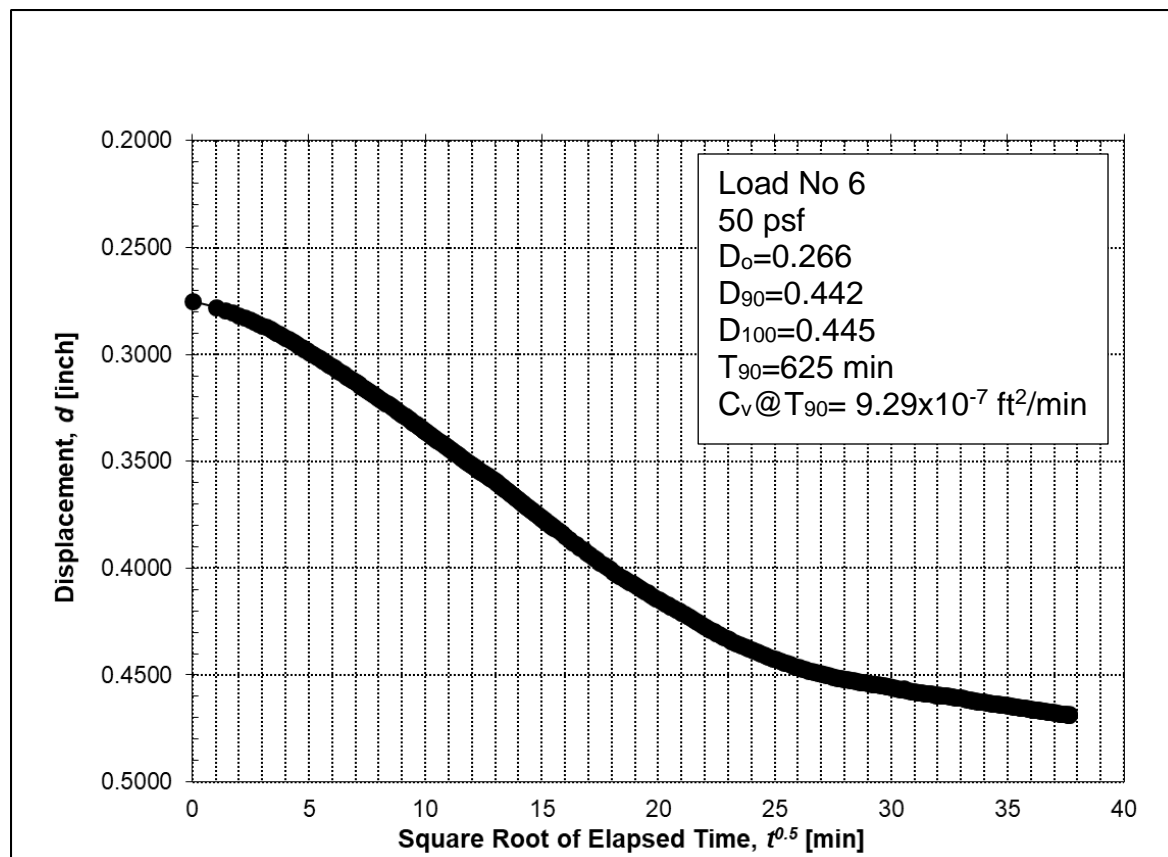
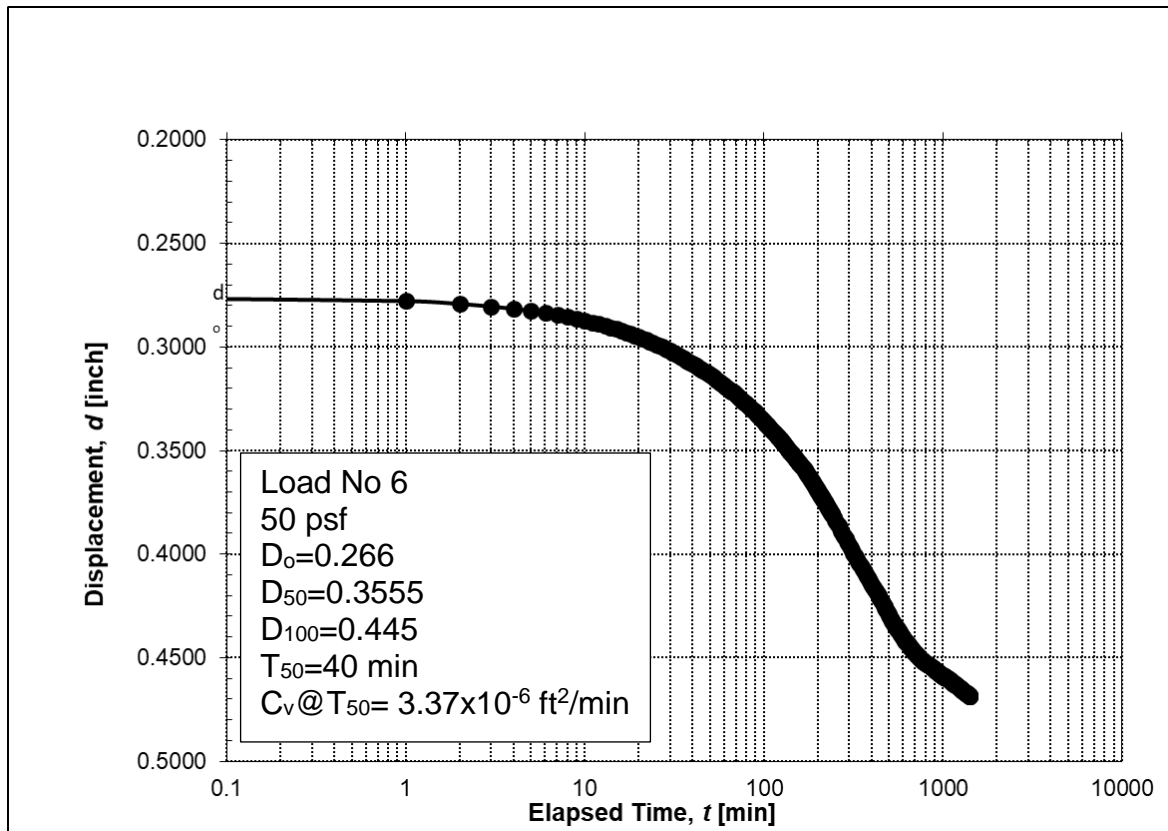
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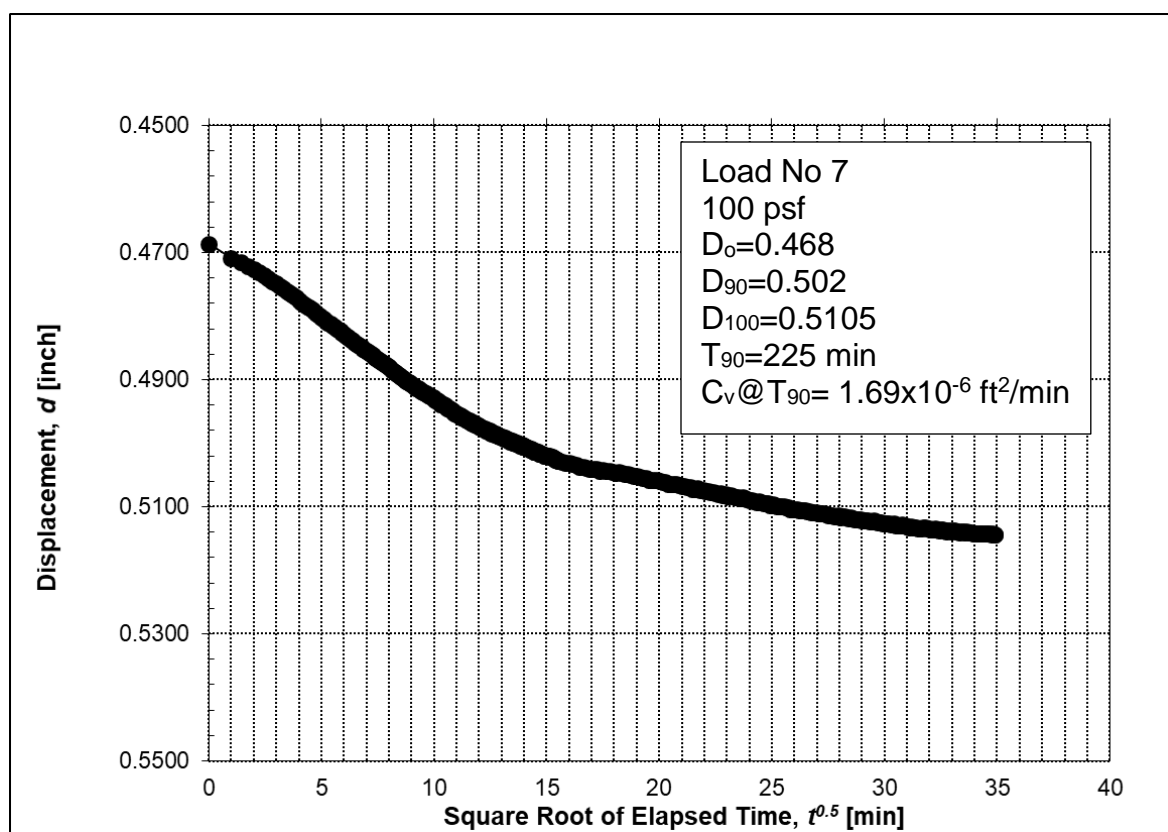
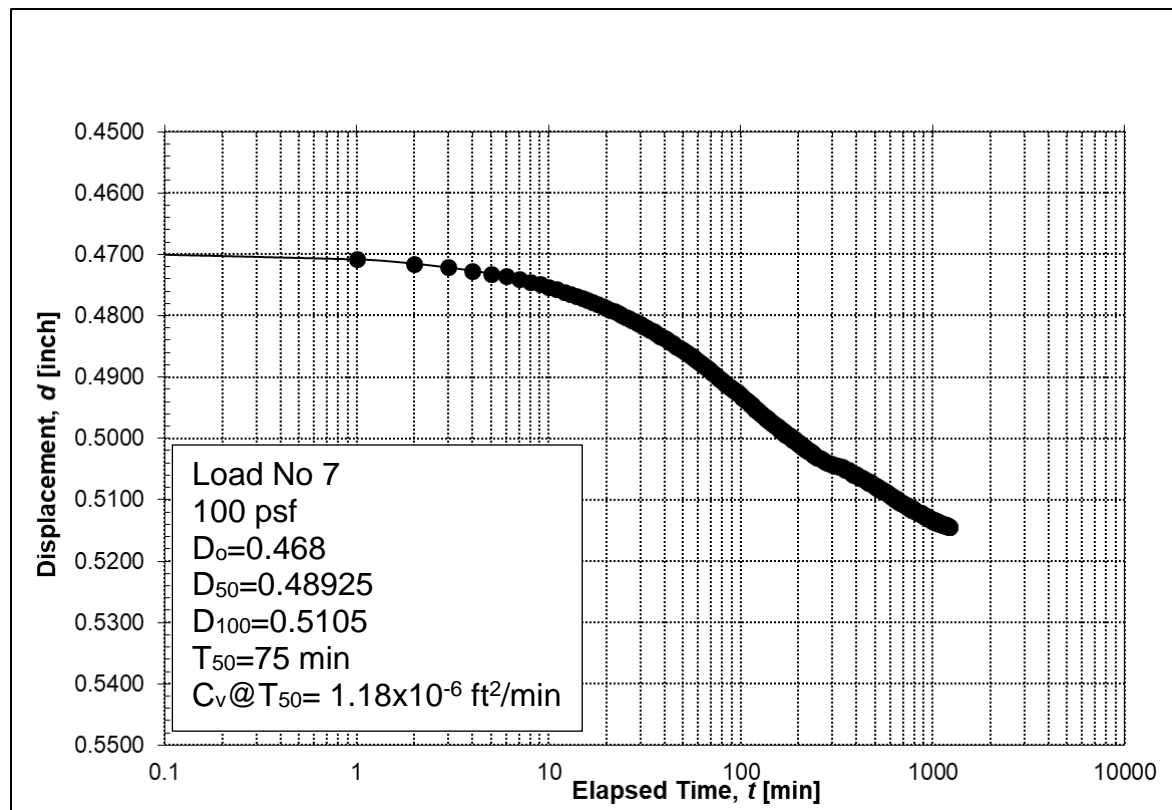
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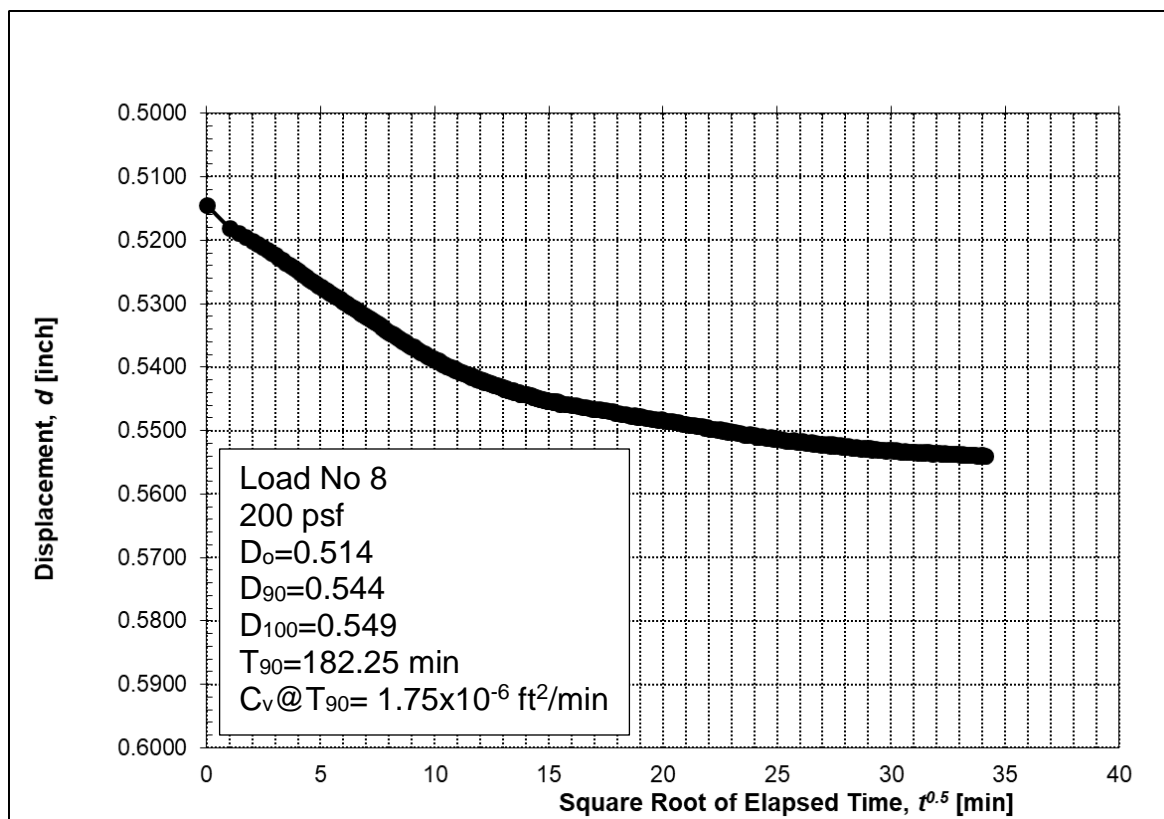
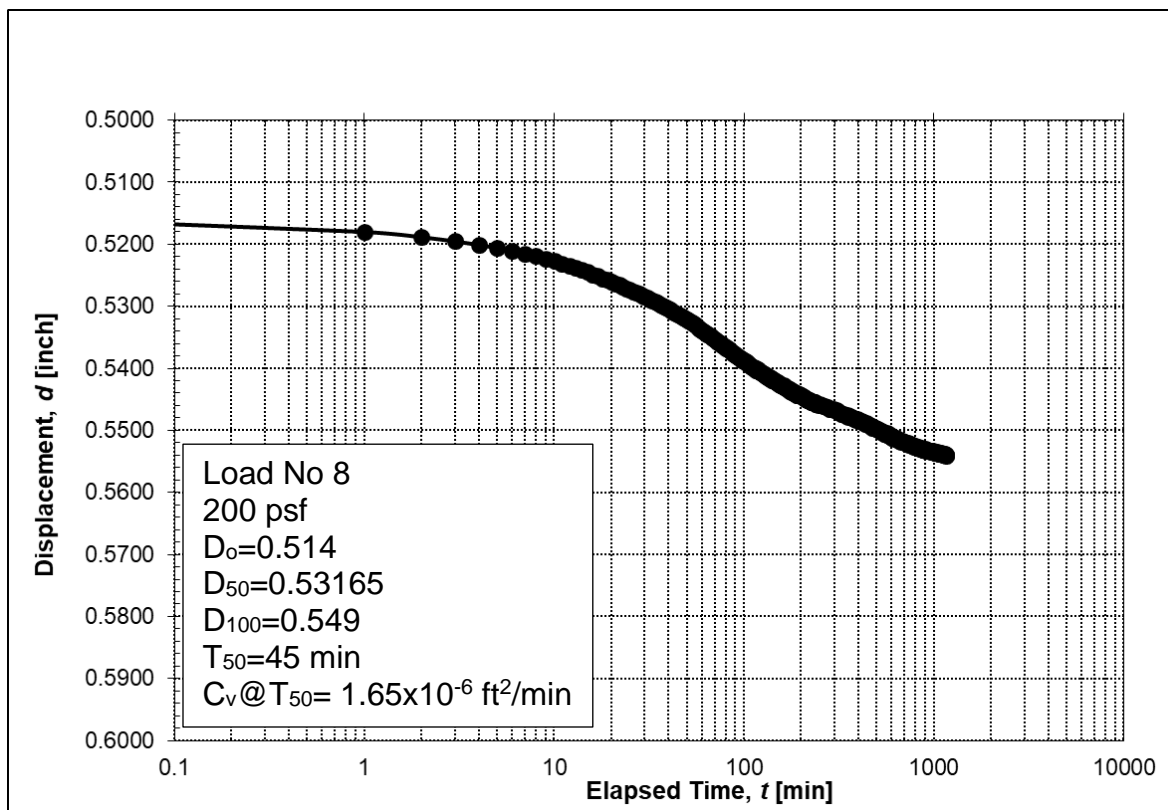
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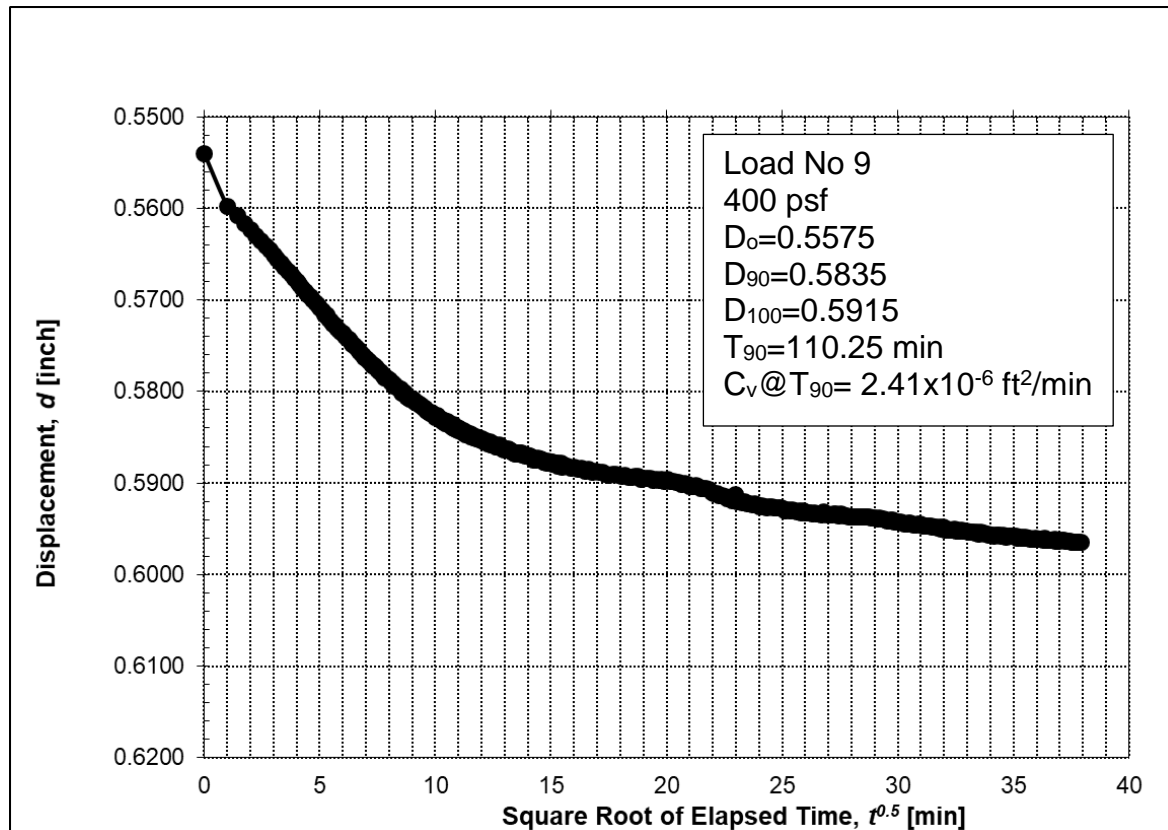
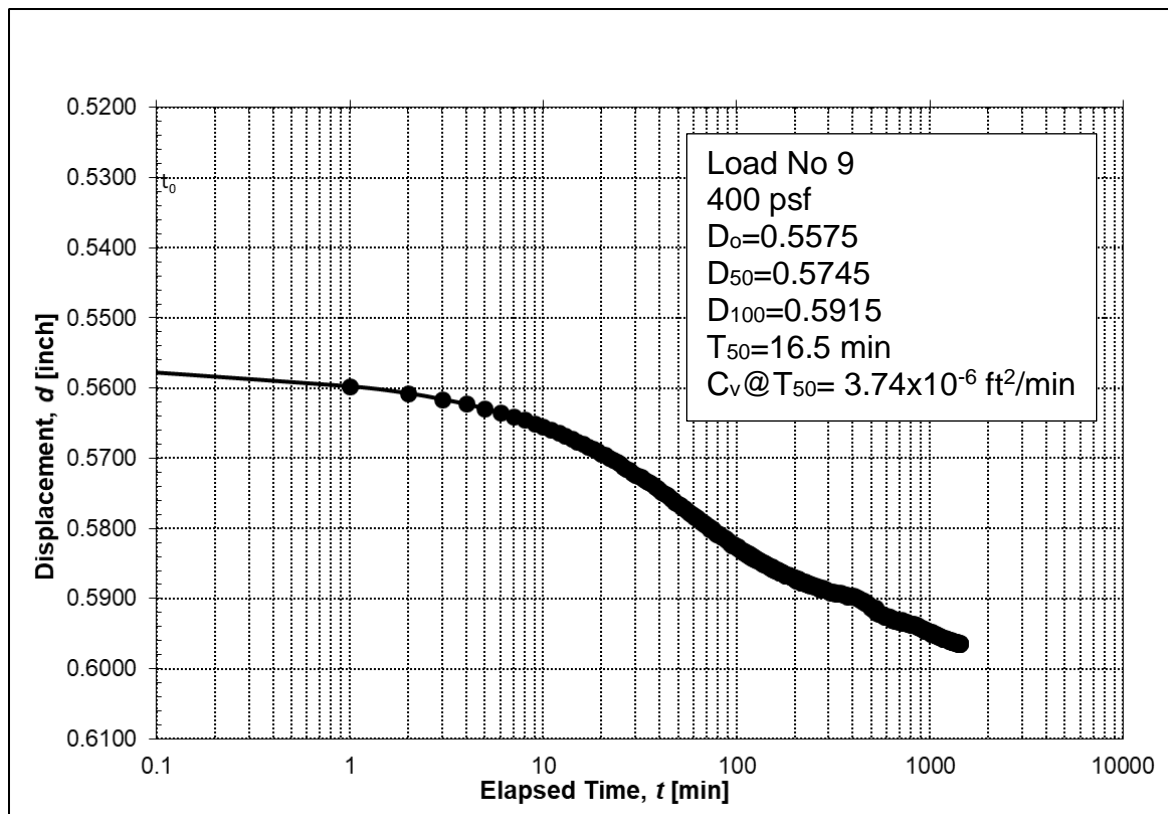
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Final Report:

**Settling Properties of Fine-Grained Sediments Which May be Hydraulically Dredged:
New Orleans Landbridge Shoreline Stabilization & Marsh Creation Project (PO-169)**

(S&ME Job No. 458517006)

Submitted to:

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Venu Tammineni, P.E., Senior Engineer
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September 26, 2017



DRAFT

1.0 Introduction, Scope, and Objectives

The objective of the testing reported here was to evaluate the settling properties of fine-grained sediments which may be hydraulically dredged as part of the New Orleans Landbridge Shoreline Stabilization & Marsh Creation Project (PO-169)(S&ME Job No. 458517006).

2.0 Experimental Procedures and Results

2.1 Materials Provided for Testing

Seven five-gallon buckets of water from the proposed dredging area were provided by S&ME for laboratory testing. The salinity of the seven water samples was measured gravimetrically with drying at 180 °C¹. Results are reported in Table 1 in units of parts per thousand (ppt).

Table 1. Salinity measured in water samples provided from the proposed dredge location

Bucket ID	Salinity (ppt)
B-1 Marsh water sample PO-169, 13' depth	1.17
B-2 Marsh water sample PO-169, 16.5' depth	1.12
B-3 Marsh water sample PO-169, 10' depth	1.09
B-4 Marsh water sample PO-169, 15' depth	1.15
B-5 Marsh water sample PO-169, 6' depth	1.16
B-6 Marsh water sample PO-169, 5' depth	1.22
B-20 Marsh water sample PO-169, 6.5' depth	1.07

Four five-gallon buckets of sediment from the proposed dredging area were provided for testing. Two of the buckets contained a composite of sediment from borings B-4, B-5, and B-6. The other two buckets contained composited sediment from boring B-1, B-2, and B-3. The contents of the two buckets of material from borings B-4, B-5, and B-6 were combined together in a single container and homogenized via mechanical mixing. Subsamples were then collected by personnel from APS Design and Testing, LLC (APS) prior to the remainder being used for settling column testing. For the B-1, B-2, and B-3 composite material, the contents of each bucket were homogenized separately. Separate subsamples were collected by APS personnel from each of the two buckets of homogenized materials from B-1, B-2, and B-3 prior to the remainder being used for settling column testing.

2.2 Pilot-Scale Settling Column Test Results for Composite of Samples from Boring ID numbers B-4, B-5, and B-6

For the sediment from borings B-4, B-5, and B-6, slurry was prepared by mixing the composited sediment with equal volumes of water from each of the B-4, B-5, and B-6 marsh sampling locations plus tap water supplemented with synthetic sea salts (Instant Ocean) to match the average salinity of the three water samples (average salinity of 1.18 parts per thousand (ppt)). Slurry containing the fine-grained fraction of sediments was obtained by thoroughly mixing the slurry and then

allowing coarse grained materials, to separate by differential settling as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹. The fine-grained sediment slurry was loaded into a large-scale (8.0 inch ID) column while mixing with air sparging as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹. Solids concentrations in the slurry at the start of the settling test were measured in samples collected along the height of the column at one foot intervals (see Table A1 in Appendix A for tabulated data). The average particulate concentration at the start of the settling test was 135.8 g/L.

A clear sediment-water interface was observed shortly after the start of the settling test (< 1 hour), indicating zone settling. The height of the sediment-water interface above the bottom of the column was measured and recorded over a period lasting more than 46 days as depicted in Figure 1 (see Table B1 in Appendix B for tabulated data). As shown in Figure 1, zone settling was observed during the first day of the settling test, followed by compression settling thereafter.

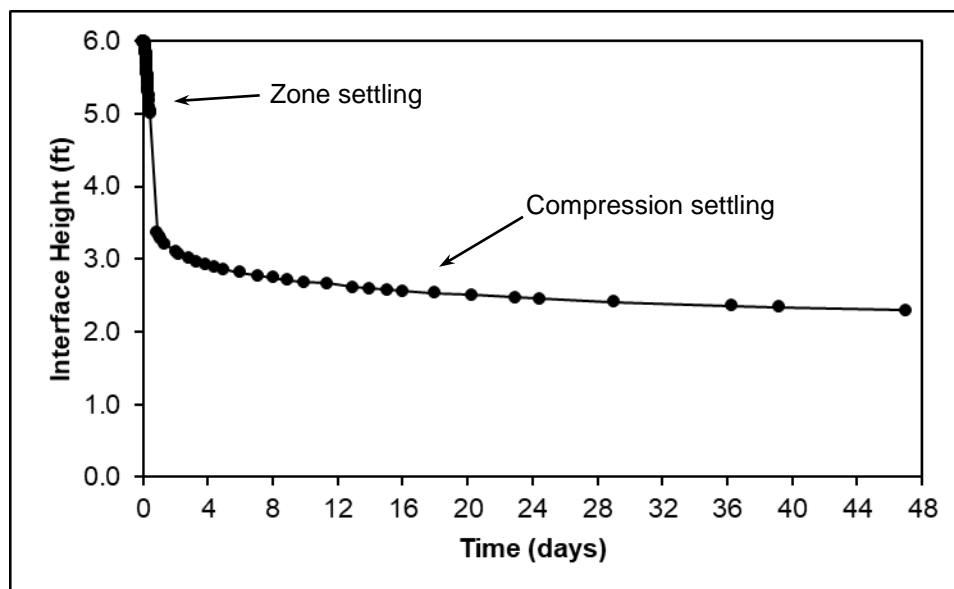


Figure 1: Interface height as a function of time during the pilot-scale settling test of fine-grained sediment slurry prepared from composited sediment from borings B-4, B-5, and B-6 ($C_o=135.8$ g/L).

Data for the time interval of 4 to 22 hours of the settling test, during which relatively rapid zone settling was clearly observed, is depicted separately in Figure 2. A linear regression was performed with the resulting equation and correlation coefficient depicted on the graph. The slope of the regression line, which corresponds to the zone settling velocity, was 0.143 ft/hr (3.4 ft/day).

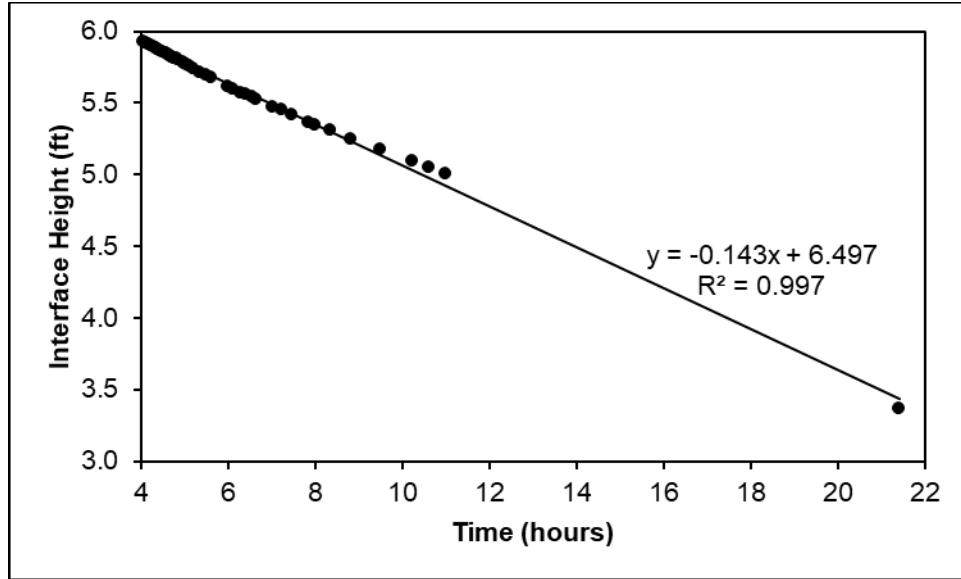


Figure 2: Interface height as a function of time during the zone settling portion of the pilot-scale settling test of fine-grained sediment slurry prepared from composited sediment from borings B-4, B-5, and B-6 ($C_o=135.8$ g/L).

For the portion of the settling test during which compression settling was observed, the concentration in the settled solids at each time interval was calculated using the following equation (equation 3-11 in ref. 1).

$$C = \frac{C_o H_i}{H_t}$$

Where:

C = slurry suspended solids concentration at time t (g/L)

C_o = initial slurry suspended solids concentration (g/L)

H_i = initial slurry height (ft)

H_t = height of the interface at time t (ft)

The corresponding suspended solids concentration as a function of time during compression settling is depicted in Figure 3.

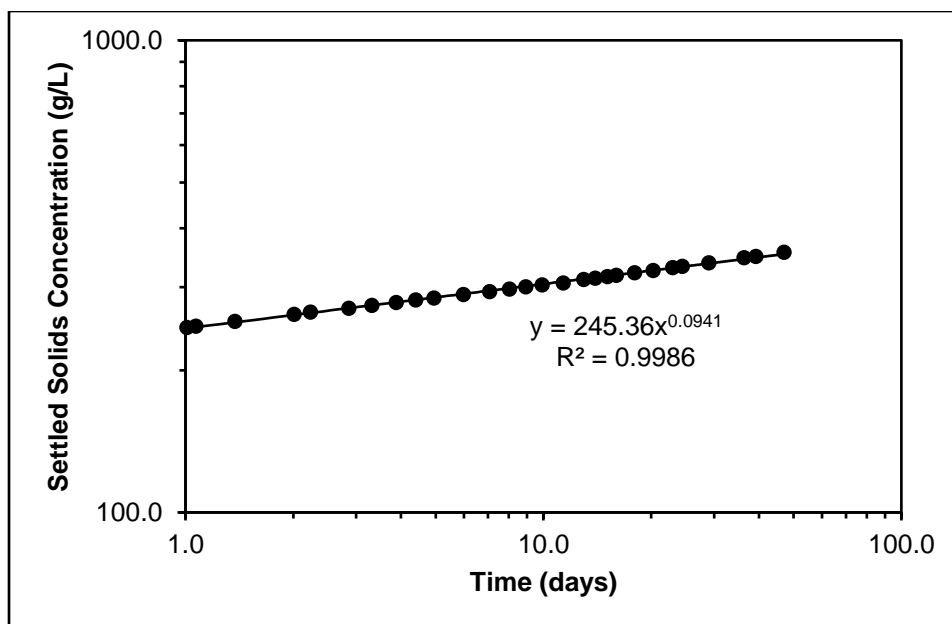


Figure 3: Concentration of settled solids as a function of time during the compression settling portion of the pilot-scale settling test of fine-grained sediment slurry prepared from composited sediment from borings B-4, B-5, and B-6.

For analysis of flocculent settling as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹, water samples were collected from the clarified layer above the sediment-water interface for measurement of total suspended solids (TSS) following Standard Method 2450D². The first of these samples was collected 7.5 hours after the start of settling when the sediment-water interface was sufficiently below the uppermost sample port to allow sample collection. Subsequent samples were collected at six additional time steps (ranging from total settling durations of 9 to 81 hours). Tabulated data are provided in Table C1 (Appendix C). The TSS concentration in the initial sample collected above the sediment-water interface at a time of 7.5 hours was 127 mg/L. The TSS concentration subsequently decreased to less than 25 mg/L in all samples collected after a total settling time of 48 hours.

2.3 Pilot-Scale Settling Column Test Results for Composite of Samples from Boring ID numbers B-1, B-2, and B-3

Test # 1

For the sediment from borings B-1, B-2, and B-3, slurry was prepared by mixing composited sediment with equal volumes of water from each of the marsh water sample locations B-1, B-2, and B-3 plus tap water supplemented with synthetic sea salts (Instant Ocean) to match the average salinity of the three water samples (average salinity of 1.13 parts per thousand (ppt)). Slurry containing the fine-grained fraction of sediments was obtained by thoroughly mixing the slurry and then allowing coarse grained materials, to separate by differential settling as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹. Because the particulate concentration in the resulting slurry was below the target concentration for testing, additional sediment was added,

the material was thoroughly remixed, and then coarse grained materials were again allowed to separate by differential settling. The fine-grained sediment slurry was loaded into a large-scale (8.0 inch ID) column while mixing with air sparging as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹. Solids concentrations in the slurry at the start of the settling test were measured in samples collected along the height of the column at one foot intervals (see Table A2 in Appendix A for tabulated data). The average particulate concentration at the start of the settling test was 149.2 g/L.

A very small but clearly visible sediment-water interface was observed two hours after the start of the settling test. The height of the sediment-water interface above the bottom of the column was measured and recorded over a period lasting 61.1 hours as depicted in Figure 4 (see Table B2 in Appendix B for tabulated data). As shown in Figure 4, the amount of settling was quite small, with the interface settling only 0.1 inch after one day of settling and 0.7 inches total after 49.3 hours of settling. To assess whether flocculent settling was the dominant process occurring in the settling column, samples were withdrawn from side ports located at 5.5 and 4.0 ft above the bottom of the column at a time of 61.1 hours. The particulate concentrations measured in these samples, 150.0 and 149.7 g/L, respectively, indicate that flocculent settling was not a dominant process and the test was started at a particulate concentration in the compression settling regime.

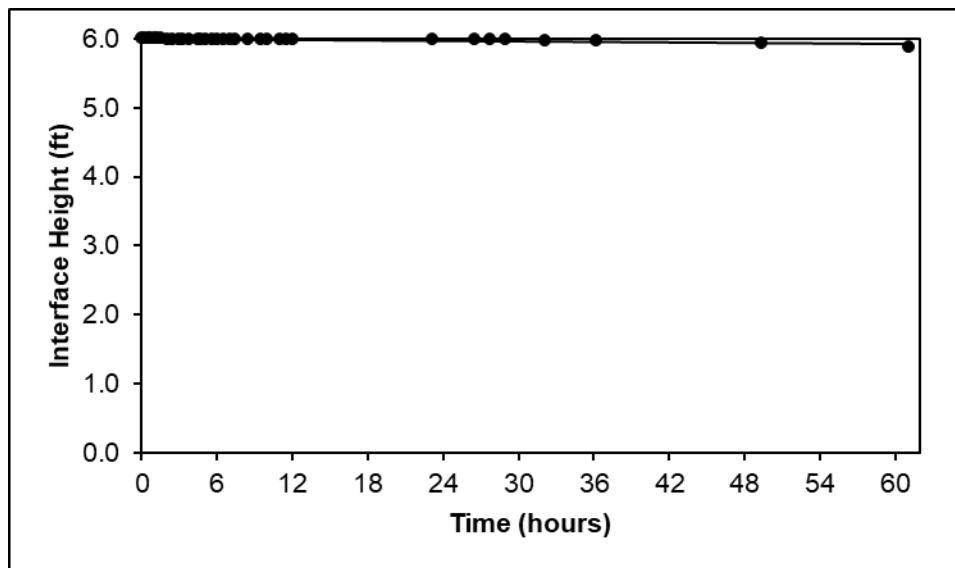


Figure 4: Interface height as a function of time during the first pilot-scale settling test conducted with fine-grained sediment slurry from the composited B-1, B-2, and B-3 sediments ($C_o=149.2$ g/L).

Test #2

The fine-grained sediment present in the settling column at the end of the first pilot-scale test was removed from the column, transferred to a mixing barrel, and diluted with additional tap water supplemented with synthetic sea salts (Instant Ocean) to match the average salinity of the B-1, B-2, and B-3 water samples (1.13 parts per thousand (ppt)). After thorough remixing, the fine-grained sediment slurry was loaded into a large-scale (8.0 inch ID) column while mixing with air sparging as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹. Solids concentrations

in the slurry at the start of the settling test were measured in samples collected along the height of the column at one foot intervals (see Table A3 in Appendix A for tabulated data). The average particulate concentration at the start of the settling test was 108.5 g/L.

A clear sediment-water interface was observed shortly after the start of the settling test (< 1 hour), indicating zone settling. The height of the sediment-water interface above the bottom of the column was measured and recorded over a period lasting approximately two days as depicted in Figure 5 (see Table B3 in Appendix B for tabulated data). As shown in Figure 5, zone settling was observed during the first day of the settling test, followed by a transition to compression settling thereafter.

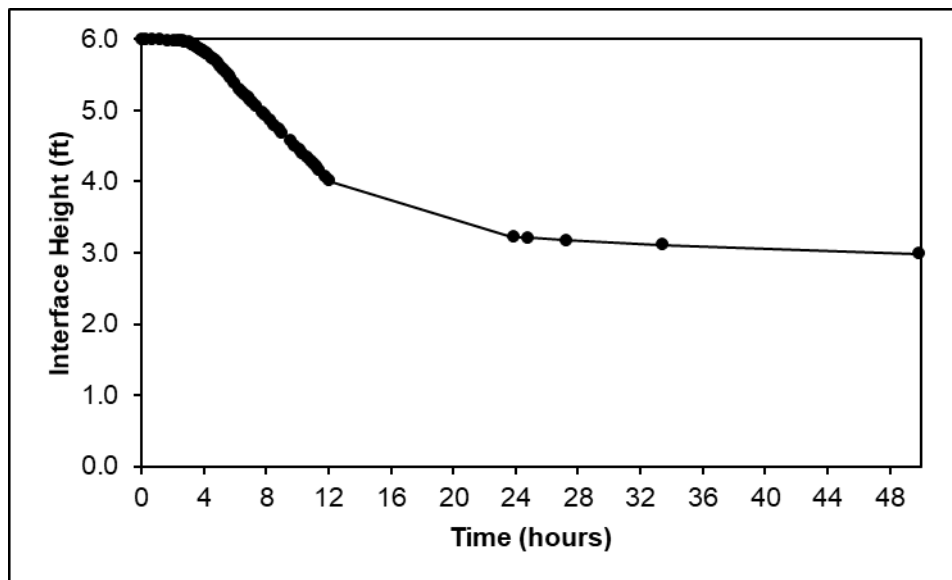


Figure 5: Interface height as a function of time during the second pilot-scale settling test conducted with fine-grained sediment slurry from the composited B-1, B-2, and B-3 sediments ($C_o=108.5$ g/L).

Data for the time interval of 3 to 12 hours of the settling test, during which relatively rapid zone settling was clearly observed, is depicted separately in Figure 6. A linear regression was performed with the resulting equation and correlation coefficient depicted on the graph. The slope of the regression line, which corresponds to the zone settling velocity, was 0.223 ft/hr (5.35 ft/day).

For analysis of flocculent settling as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹, water samples were collected from the clarified layer above the sediment-water interface for measurement of total suspended (TSS) following Standard Method 2450D². The first of these samples was collected 6 hours after the start of settling when the sediment-water interface was sufficiently below the uppermost sample port to allow sample collection. Subsequent samples were collected at additional time steps out to a total settling duration of 48 hours. Tabulated data are provided in Table C2 in Appendix C. The TSS concentration in the initial sample collected above the sediment-water interface at a time of 6 hours was 778 mg/L. The TSS concentration subsequently decreased to the range of 58 to 72 mg/L in ports sampled at a time of 48 hours. During the interval when the TSS concentrations above the sediment water interface were decreasing, it was visually observed that a layer of lighter colored sediments accumulated at the

top of the sediment-water interface. At the time when the test was terminated ($t=49.92$ hours), the thickness of the light colored sediment layer was approximately 0.6 inches thick.

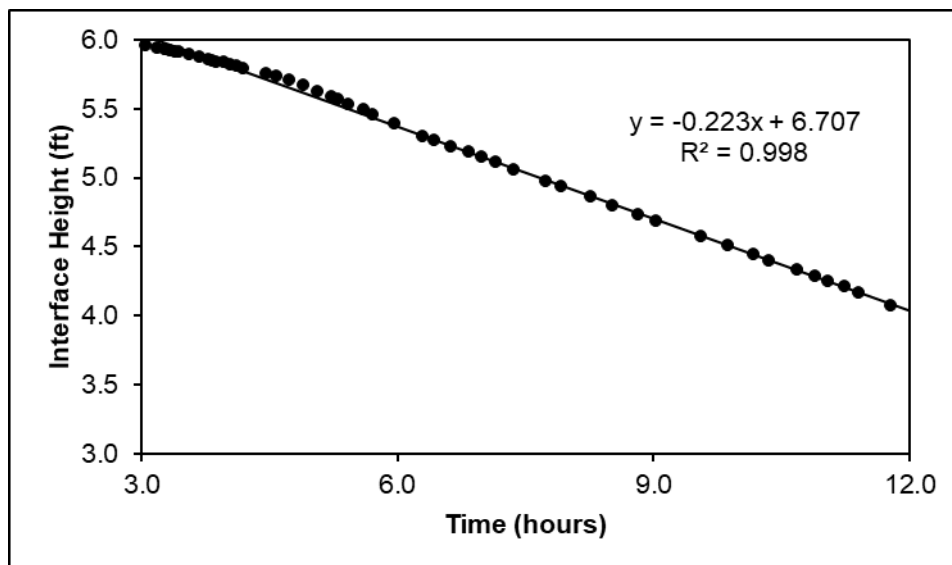


Figure 6: Interface height as a function of time during the zone settling portion of the second pilot-scale settling test conducted with fine-grained sediment slurry from composite B-1, B-2, and B-3 sediments ($C_o=108.5$ g/L).

Test #3

In order to obtain a full settling curve for fine-grained sediment at a concentration between the initial test ($C_o=149.2$ g/L) which exhibited compression settling and the second test ($C_o=108.5$ g/L) where rapid zone settling was observed, in consultation with S&ME, it was decided to restart the pilot-scale settling test using an intermediate concentration.

A portion of the clarified water present at the top of the settling column at the termination of the second settling test with composite sediment from boring B-1, B-2 and B-3 was decanted, and the remaining sediments were re-suspended by air sparging, transferred to a mixing barrel, and combined with additional fine-grained sediments prepared from the B-1, B-2, and B3 composite. After thorough mixing to homogenize the materials, the fine-grained sediment slurry was loaded into a large-scale (8.0 inch ID) column while mixing with air sparging as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹. Solids concentrations in the slurry at the start of the settling test were measured in samples collected along the height of the column at one foot intervals (see Table A4 in Appendix A for tabulated data). The average particulate concentration at the start of the settling test was 128.6 g/L.

A clear sediment-water interface was observed shortly after the start of the settling test (< 1 hour), indicating zone settling. The height of the sediment-water interface above the bottom of the column was measured and recorded over a period lasting more than 40 days as depicted in Figure 7 (see Table B4 in Appendix B for tabulated data). As shown in Figure 7, behavior that was well-described as zone settling was observed during the time interval of 0.5 to 2 days of the settling test, followed by compression settling thereafter.

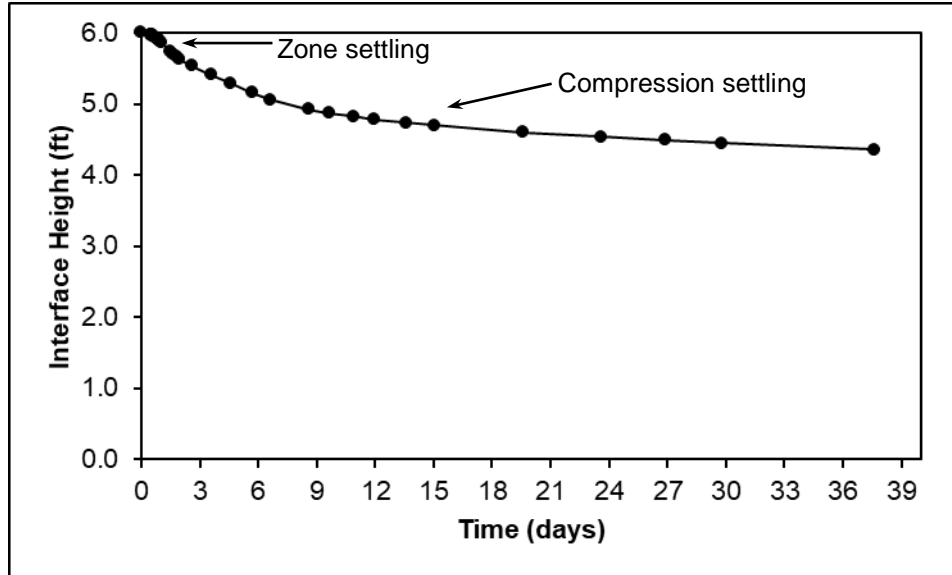


Figure 7: Interface height as a function of time during the third pilot-scale settling test of fine-grained sediment slurry prepared from composited sediment from borings B-1, B-2, and B-3 ($C_o=128.6$ g/L).

Data for the time interval of 11 to 48 hours of the settling test, during which zone settling behavior was dominant, is depicted separately in Figure 8. A linear regression was performed with the resulting equation and correlation coefficient depicted on the graph. The slope of the regression line, which corresponds to the zone settling velocity, was 0.010 ft/hr (0.24 ft/day).

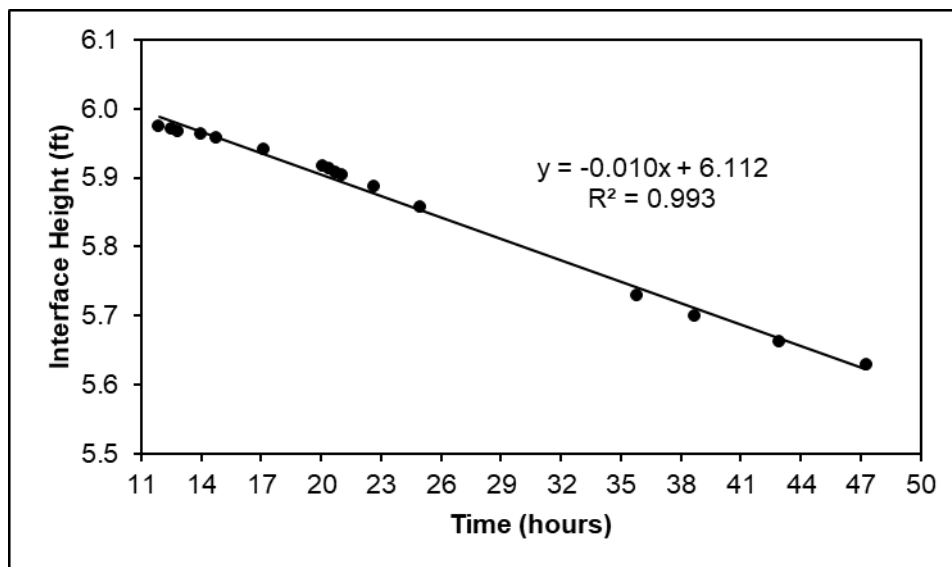


Figure 8: Interface height as a function of time during the zone settling portion of the third pilot-scale settling test of fine-grained sediment slurry prepared from composited sediment from borings B-1, B-2, and B-3 ($C_o=128.6$ g/L).

For the portion of the settling test during which compression settling was observed, the concentration in the settled solids at each time interval was calculated using the following equation (equation 3-11 in ref. 1).

$$C = \frac{C_o H_i}{H_t}$$

Where:

C = slurry suspended solids concentration at time t (g/L)

C_o = initial slurry suspended solids concentration (g/L)

H_i = initial slurry height (ft)

H_t = height of the interface at time t (ft)

The corresponding suspended solids concentration as a function of time during compression settling is depicted in Figure 9.

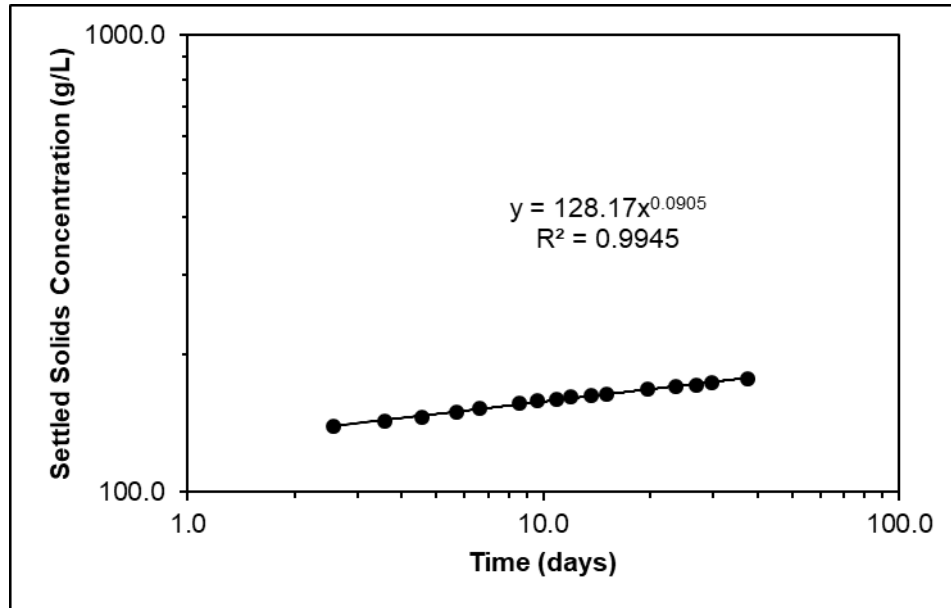


Figure 9: Concentration of settled solids as a function of time during the compression settling portion of the third pilot-scale settling test ($C_o=128.6$ g/L) of fine-grained sediment slurry prepared from composited sediment from borings B-1, B-3, and B-3.

For analysis of flocculent settling as described in the US Army Corps of Engineers Manual No. 1110-2-5027¹, water was collected from the clarified layer above the sediment-water interface for measurement of total suspended (TSS) following Standard Method 2450D². The first of these samples was collected 86 hours after the start of settling when the sediment-water interface was sufficiently below the uppermost sample port to allow sample collection. Because the TSS concentration in samples collected for characterization of flocculent settling in the zone above the sediment-water interface was low, the mass of suspended solids retained on the filters was lower than 2.5 mg, the minimum mass required for an acceptable analysis following Standard Method 2450D². Consequently, the TSS concentration for all samples from flocculent settling above the

sediment-water interface is reported here as <25 mg/L (calculated as the minimum residue mass required for acceptable analysis, 2.5 mg, divided by the sample volume filtered, 0.10 L)

2.4 Data Comparisons

For comparison purposes, the settling behavior observed during the initial two days of the first pilot-scale settling column test conducted using composited sediment from borings B-1, B-2, and B-3 ($C_o=149.2$ g/L) is shown in comparison with the data from the zone settling portion of the data collected during test 2 ($C_o=108.5$ g/L) and test 3 ($C_o=128.6$ g/L) for the B-1, B-2, and B-3 composite sediment. As clearly shown in Figure 10, the zone settling behavior (or lack of zone settling in the case of the first test) heavily depended on the initial concentration of fine-grained particulates in the test.

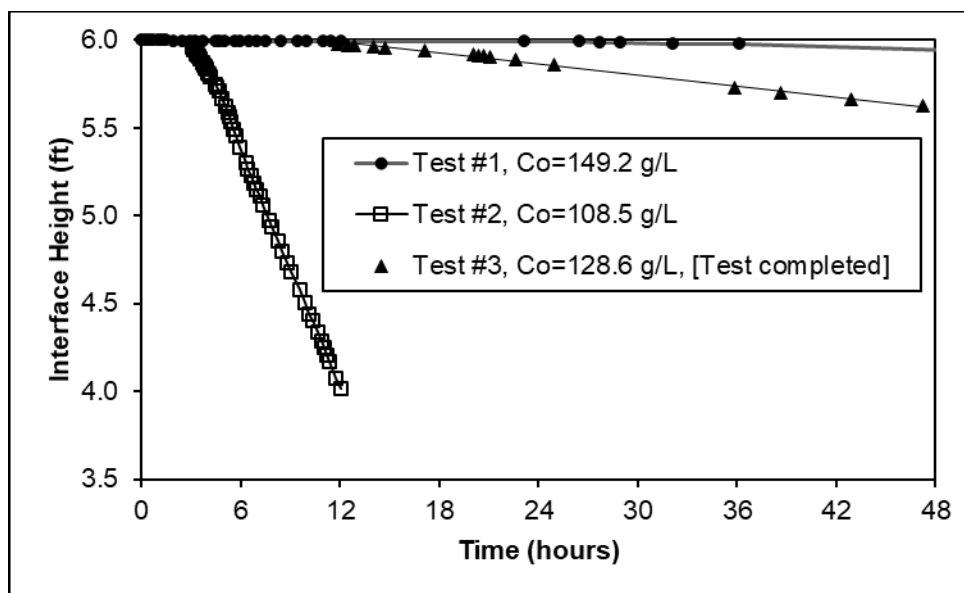


Figure 10: Interface height as a function of time during the first two days of the first pilot-scale column settling test conducted using fine-grained sediment from B-1, B-2, and B-3 ($C_o=108.5$ g/L) along with zone settling data from pilot-scale settling column test 2 ($C_o=108.5$ g/L) and test 3 ($C_o=128.6$ g/L).

Also for comparison purposes, the compression settling behavior of the settled solids in the pilot-scale settling column test conducted using fine-grained sediment slurry prepared from the B-4, B-5, and B-6 composited sediment ($C_o=135.8$ g/L) is shown below in Figure 11 along with the data from the settled solids in the pilot scale settling column test conducted to completion for fine-grained sediment slurry prepared using B-1, B-2, and B-3 composited sediment ($C_o=128.6$ g/L). As shown in the figure, the two composited sediment samples exhibited markedly different compression settling, with the B-4, B-5, and B-6 composite sample compacting to a much higher solids concentration than did the B-1, B-2, and B-3 composite sample.

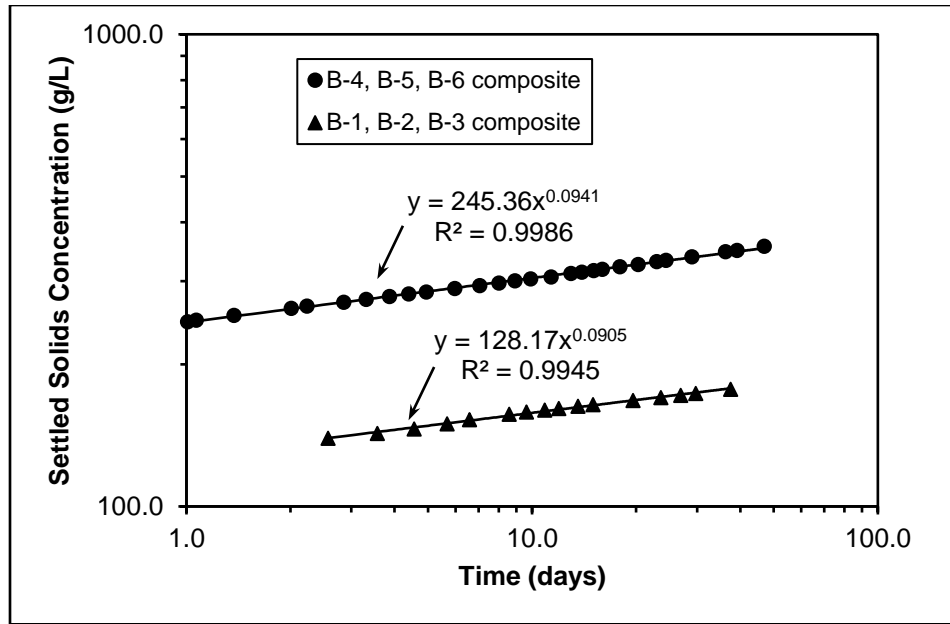


Figure 11: Concentration of settled solids as a function of time during the compression settling portion of the pilot-scale settling test conducted with fine-grained sediment slurry prepared from composite sediment from borings B-4, B-5, and B-6 compared with fine-grained sediment slurry prepared from composite sediment from borings B-1, B-2, and B-3.

2.5 Material Recovery at the Conclusion of Settling Column Testing

At the end of the settling column test conducted using fine-grained sediment slurry prepared from the B-4, B-5, and B-6 composite material, clarified water was decanted from above the sediment water interface to a level of 3.0 ft. The settled solids were resuspended by sparging compressed air into the bottom of the column for a period lasting 15 minutes. Approximately four gallons of the resuspended sediment was drained from a side port into a five gallon bucket for use in subsequent testing.

At the end of the final settling column test conducted using fine-grained sediment slurry prepared from the B-1, B-2, and B-3 composite material, clarified water was decanted from above the sediment water interface to a level of 4.5 ft. The settled solids were resuspended by sparging compressed air into the bottom of the column for a period lasting 15 minutes. Approximately four gallons of the resuspended sediment was drained from a side port into a five gallon bucket for use in subsequent testing.

As requested by S&ME, the resuspended sediment samples described above were delivered to APS Design and Testing LLC (APS) for additional testing.

3.0 References

- [1] US Army Corps of Engineers (1987) *Engineering and Design - Confined Disposal of Dredged Material*, Engineer Manual No. 1110-2-5027.
- [2] American Public Health Association (1998) *Standard Methods for the Examination of Water and Wastewater*, 20th Edition, American Water Works Association, Water Pollution Control Federation, Washington, DC.

Appendix A

Table A1. Particulate concentrations measured in samples collected from side ports at the start (t=0) of the pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-4, B-5, and B-6.

Port height (ft)^a	Particulate Conc. (g/L)
1.0	136.6
2.0	136.0
3.0	136.0
4.0	135.5
5.0	135.0
6.0	135.5
Average	135.8

^a As measured from the bottom of the column

Table A2. Particulate concentrations measured in samples collected from side ports at the start (t=0) of the first pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3 [Note: test was terminated before completion.]

Port height (ft)^a	Particulate Conc. (g/L)
1.0	150.6
2.0	149.9
3.0	149.2
4.0	148.5
5.0	148.7
6.0	148.3
Average	149.2

^a As measured from the bottom of the column

Table A3. Particulate concentrations measured in samples collected from side ports at the start (t=0) of the first pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3 [Note: test was terminated before completion.]

Port height (ft)^a	Particulate Conc. (g/L)
1.0	108.4
2.0	109.7
3.0	108.3
4.0	107.6
5.0	107.8
6.0	108.9
Average	108.5

^a As measured from the bottom of the column

Table A4. Particulate concentrations measured in samples collected from side ports at the start (t=0) of the third pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3. Test was run to completion.

Port height (ft)^a	Particulate Conc. (g/L)
1.0	129.9
2.0	129.1
3.0	128.2
4.0	127.9
5.0	128.3
6.0	128.0
Average	128.6

^a As measured from the bottom of the column

Appendix B

Table B1. Settling data for the pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-4, B-5, and B-6

The height of the sediment-water interface above the bottom of the column was recorded as a function of time as summarized in the table below.

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L) ^a
0.00	0.000	6.000	6.000	135.8
0.25	0.010	5.996	6.000	135.9
0.53	0.022	5.996	6.000	135.9
1.15	0.048	5.992	6.000	136.0
1.48	0.062	5.990	6.000	136.0
1.75	0.073	5.984	6.000	136.2
2.00	0.083	5.984	6.000	136.2
2.45	0.102	5.983	6.000	136.2
2.67	0.111	5.979	6.000	136.3
2.92	0.122	5.975	6.000	136.4
3.22	0.134	5.971	6.000	136.5
3.43	0.143	5.958	6.000	136.7
3.58	0.149	5.950	6.000	136.9
3.78	0.158	5.942	6.000	137.1
3.87	0.161	5.938	6.000	137.2
3.95	0.165	5.933	6.000	137.3
4.03	0.168	5.925	6.000	137.5
4.10	0.171	5.917	6.000	137.7
4.17	0.174	5.908	6.000	137.9
4.23	0.176	5.900	6.000	138.1
4.28	0.178	5.892	6.000	138.3
4.33	0.181	5.883	6.000	138.5
4.38	0.183	5.875	6.000	138.7
4.43	0.185	5.867	6.000	138.9
4.50	0.188	5.858	6.000	139.1
4.57	0.190	5.850	6.000	139.3
4.62	0.192	5.842	6.000	139.5
4.67	0.194	5.833	6.000	139.7
4.70	0.196	5.825	6.000	139.9

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Table B1. Continued from previous page

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L) ^a
4.75	0.198	5.817	6.000	140.1
4.80	0.200	5.808	6.000	140.3
4.85	0.202	5.800	6.000	140.5
4.95	0.206	5.783	6.000	140.9
5.00	0.208	5.775	6.000	141.1
5.05	0.210	5.767	6.000	141.3
5.10	0.213	5.758	6.000	141.5
5.20	0.217	5.742	6.000	141.9
5.35	0.223	5.717	6.000	142.5
5.50	0.229	5.692	6.000	143.2
5.60	0.233	5.675	6.000	143.6
5.98	0.249	5.617	6.000	145.1
6.12	0.255	5.600	6.000	145.5
6.28	0.262	5.575	6.000	146.2
6.40	0.267	5.558	6.000	146.6
6.53	0.272	5.542	6.000	147.0
6.65	0.277	5.525	6.000	147.5
7.02	0.292	5.475	6.000	148.8
7.22	0.301	5.450	6.000	149.5
7.47	0.311	5.417	6.000	150.4
7.85	0.327	5.367	5.958	151.8
8.00	0.333	5.350	5.958	152.3
8.33	0.347	5.308	5.958	153.5
8.80	0.367	5.250	5.958	155.2
9.50	0.396	5.175	5.942	157.4
10.22	0.426	5.092	5.942	160.0
10.62	0.442	5.050	5.942	161.3
11.00	0.458	5.008	5.942	162.7
21.42	0.892	3.367	5.933	242.0
24.20	1.008	3.308	5.925	246.3
25.63	1.068	3.288	5.925	247.8
33.00	1.375	3.208	5.842	254.0
48.28	2.012	3.100	5.792	262.8

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Table B1. Continued from previous page

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L) ^a
53.60	2.233	3.067	5.733	265.7
68.57	2.857	3.008	5.733	270.8
79.50	3.313	2.967	5.725	274.7
93.00	3.875	2.925	5.658	278.6
105.5	4.397	2.892	5.658	281.8
118.7	4.946	2.863	5.658	284.6
143.4	5.974	2.817	5.658	289.3
169.5	7.064	2.775	5.658	293.6
192.7	8.029	2.742	5.658	297.2
214.3	8.931	2.713	5.658	300.4
238.0	9.917	2.688	5.658	303.2
272.5	11.356	2.663	5.658	306.0
311.0	12.958	2.617	5.658	311.4
334.8	13.949	2.600	5.658	313.4
361.7	15.071	2.579	5.658	315.9
383.6	15.985	2.563	5.658	318.0
431.3	17.969	2.533	5.658	321.6
486.2	20.258	2.504	5.658	325.4
551.3	22.972	2.471	5.658	329.8
586.0	24.417	2.454	5.658	332.0
695.8	28.993	2.413	5.658	337.7
871.0	36.292	2.354	5.658	346.1
940.0	39.168	2.338	5.658	348.6
1127.0	46.960	2.292	5.658	355.5

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Table B2. Settling data for the first pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3. [Note: test was terminated at t=61.1 hours]

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L)
0.00	0.000	6.000	6.000	149.2
0.25	0.010	6.000	6.000	149.2
0.50	0.021	6.000	6.000	149.2
0.75	0.031	6.000	6.000	149.2
1.00	0.042	6.000	6.000	149.2
1.50	0.063	6.000	6.000	149.2
2.00	0.083	5.995	6.000	149.3
2.50	0.104	5.995	6.000	149.3
3.00	0.125	5.995	6.000	149.3
3.25	0.135	5.995	6.000	149.3
3.75	0.156	5.995	6.000	149.3
4.50	0.188	5.995	6.000	149.3
4.75	0.198	5.995	6.000	149.3
5.08	0.212	5.995	6.000	149.3
5.65	0.235	5.995	6.000	149.3
6.00	0.250	5.995	6.000	149.3
7.00	0.292	5.995	6.000	149.3
7.50	0.313	5.995	6.000	149.3
8.50	0.354	5.992	6.000	149.4
9.50	0.396	5.992	6.000	149.4
10.00	0.417	5.992	6.000	149.4
11.00	0.458	5.992	6.000	149.4
11.50	0.479	5.992	6.000	149.4
12.08	0.503	5.992	6.000	149.4
23.17	0.965	5.992	6.000	149.4
26.50	1.104	5.992	6.000	149.4
27.75	1.156	5.988	6.000	149.5
29.00	1.208	5.984	6.000	149.6
32.17	1.340	5.979	6.000	149.7
36.20	1.508	5.974	6.000	149.9
49.33	2.056	5.942	6.000	150.7
61.10	2.546	5.888	6.000	152.1

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Table B3. Settling data for the second pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3. [Note: test was terminated at t=49.92 hours]

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L) ^a
0.00	0.000	6.000	6.000	108.5
0.30	0.013	6.000	6.000	108.5
0.67	0.028	5.996	6.000	108.6
1.20	0.050	5.992	6.000	108.7
1.72	0.072	5.988	6.000	108.7
2.13	0.089	5.983	6.000	108.8
2.35	0.098	5.979	6.000	108.9
2.50	0.104	5.975	6.000	109.0
2.65	0.110	5.971	6.000	109.0
2.78	0.116	5.967	6.000	109.1
3.05	0.127	5.958	6.000	109.3
3.18	0.133	5.942	6.000	109.6
3.28	0.137	5.933	6.000	109.7
3.33	0.139	5.925	6.000	109.9
3.40	0.142	5.917	6.000	110.0
3.45	0.144	5.908	6.000	110.2
3.57	0.149	5.892	6.000	110.5
3.68	0.153	5.875	6.000	110.8
3.78	0.158	5.858	6.000	111.1
3.83	0.160	5.850	6.000	111.3
3.88	0.162	5.842	6.000	111.4
3.97	0.165	5.833	6.000	111.6
4.05	0.169	5.817	6.000	111.9
4.12	0.172	5.808	6.000	112.1
4.20	0.175	5.792	6.000	112.4
4.47	0.186	5.750	6.000	113.2
4.58	0.191	5.733	6.000	113.5
4.73	0.197	5.708	6.000	114.0
4.90	0.204	5.667	6.000	114.9
5.07	0.211	5.625	6.000	115.7
5.23	0.218	5.583	6.000	116.6
5.30	0.221	5.567	6.000	116.9

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Table B3. Continued from previous page

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L)^a
5.43	0.226	5.533	6.000	117.7
5.60	0.233	5.492	6.000	118.5
5.72	0.238	5.458	6.000	119.3
5.97	0.249	5.392	6.000	120.7
6.30	0.263	5.300	5.983	122.8
6.43	0.268	5.267	5.983	123.6
6.63	0.276	5.225	5.983	124.6
6.83	0.285	5.183	5.983	125.6
6.98	0.291	5.150	5.983	126.4
7.15	0.298	5.108	5.975	127.4
7.37	0.307	5.058	5.975	128.7
7.73	0.322	4.975	5.975	130.9
7.92	0.330	4.933	5.975	132.0
8.27	0.344	4.858	5.950	134.0
8.52	0.355	4.800	5.950	135.6
8.82	0.367	4.733	5.950	137.5
9.03	0.376	4.683	5.950	139.0
9.55	0.398	4.575	5.950	142.3
9.87	0.411	4.508	5.950	144.4
10.17	0.424	4.442	5.950	146.6
10.35	0.431	4.400	5.950	148.0
10.68	0.445	4.333	5.950	150.2
10.90	0.454	4.283	5.950	152.0
11.05	0.460	4.250	5.950	153.2
11.23	0.468	4.208	5.950	154.7
11.40	0.475	4.167	5.950	156.2
11.78	0.491	4.075	5.950	159.8
12.03	0.501	4.017	5.908	162.1
23.88	0.995	3.225	5.908	201.9
24.83	1.035	3.208	5.833	202.9
27.23	1.135	3.175	5.833	205.0
33.42	1.392	3.108	5.833	209.4
49.92	2.080	2.988	5.833	217.9

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Table B4. Settling data for the third pilot-scale settling column test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3. [Note: test was run to completion.]

Elapsed Time (hr)	Elapsed Time (days)	Solids Interface Height (ft)	Head height (ft)	Settled Solids Conc. (g/L) ^a
0.00	0.000	6.000	6.000	128.6
11.43	0.476	5.979	6.000	129.0
11.90	0.496	5.975	6.000	129.1
12.52	0.522	5.971	6.000	129.2
12.85	0.535	5.967	6.000	129.3
14.02	0.584	5.963	6.000	129.4
14.77	0.615	5.958	6.000	129.5
17.12	0.713	5.942	6.000	129.9
20.10	0.838	5.917	6.000	130.4
20.40	0.850	5.913	6.000	130.5
20.73	0.864	5.908	6.000	130.6
21.05	0.877	5.904	6.000	130.7
22.65	0.944	5.888	6.000	131.1
24.93	1.039	5.858	6.000	131.7
35.83	1.493	5.729	6.000	134.7
38.68	1.612	5.700	6.000	135.4
42.90	1.788	5.663	6.000	136.3
47.27	1.969	5.629	6.000	137.1
61.77	2.574	5.533	6.000	139.4
85.63	3.568	5.408	6.000	142.7
109.50	4.563	5.292	5.975	145.8
136.43	5.685	5.154	5.975	149.7
158.35	6.598	5.058	5.975	152.5
205.97	8.582	4.921	5.975	156.8
231.30	9.638	4.871	5.975	158.4
260.93	10.872	4.821	5.975	160.1
287.10	11.963	4.783	5.975	161.3
326.07	13.586	4.733	5.975	163.0
360.75	15.031	4.696	5.975	164.3
470.57	19.607	4.600	5.975	167.7
565.87	23.578	4.538	5.967	170.0
645.77	26.907	4.488	5.967	171.9
714.78	29.783	4.450	5.958	173.4
902.00	37.583	4.358	5.958	177.0

^a Calculated using equation 3-11 in ref. 1 based on the average particulate concentration measured at t=0 and the height of the sediment-water interface at each time interval.

Appendix C

Table C1. Total suspended solids (TSS) concentrations measured above the sediment-water interface for characterization of flocculent settling during the pilot-scale column settling test for fine-grained slurry prepared from composited sediment from borings B-4, B-5, and B-6.

Sample Extraction Time (hr)	Port Height (ft) ^a	Head Height (ft) ^a	Depth of Sample Extraction (ft) ^b	TSS (mg/L)
7.5	5.50	6.00	0.50	127
9.0	5.50	5.96	0.46	70
11	5.50	5.94	0.44	48
24	5.50	5.93	0.43	<25 ^c
24	5.00	5.93	0.93	27
24	4.50	5.93	1.43	33
24	4.00	5.93	1.93	96
24	3.50	5.93	2.43	116
33	5.50	5.84	0.34	<25 ^c
33	5.00	5.84	0.84	<25 ^c
33	4.50	5.84	1.34	<25 ^c
33	4.00	5.84	1.84	<25 ^c
33	3.50	5.84	2.34	35
48	5.50	5.79	0.29	<25 ^c
48	5.00	5.79	0.79	<25 ^c
48	4.50	5.79	1.29	<25 ^c
48	4.00	5.79	1.79	<25 ^c
48	3.50	5.79	2.29	<25 ^c
81	5.50	5.73	0.23	<25 ^c
81	5.00	5.73	0.73	<25 ^c
81	4.50	5.73	1.23	<25 ^c
81	4.00	5.73	1.73	<25 ^c
81	3.50	5.73	2.23	<25 ^c
81	3.00	5.73	2.73	<25 ^c

^a As measured from the bottom of the column

^b Relative to the top liquid level

^c The mass of dry residue retained on the filter was less than 2.5 mg (the minimum required for an acceptable analysis). The result is reported here as <25 mg/L [calculated as the minimum residue mass required for acceptable analysis, 2.5 mg, divided by the sample volume filtered (0.10 L)].

Table C2. Total suspended solids (TSS) concentrations measured above the sediment-water interface for characterization of flocculent settling during the second pilot-scale column settling test for fine-grained slurry prepared from composited sediment from borings B-1, B-2, and B-3 (Initial slurry particulate concentration, $C_o=108.5$ g/L)

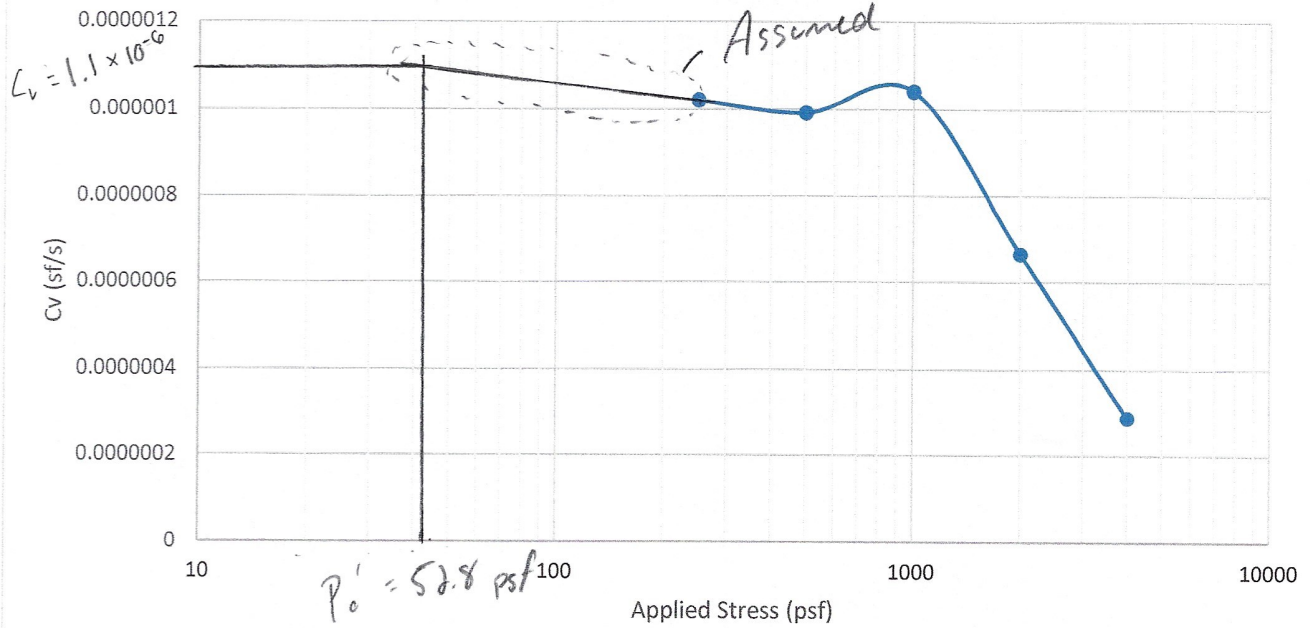
Sample Extraction Time (hr)	Port Height (ft) ^a	Head Height (ft) ^a	Depth of Sample Extraction (ft) ^b	TSS (mg/L)
6	5.50	6.00	0.50	778
7	5.50	5.98	0.48	400
8	5.50	5.98	0.48	266
8	5.00	5.98	0.98	880
12	5.50	5.95	0.45	110
12	5.00	5.95	0.95	276
12	4.50	5.95	1.45	592
24	5.50	5.91	0.41	80
24	5.00	5.91	0.91	131
24	4.50	5.91	1.41	134
24	4.00	5.91	1.91	143
24	3.50	5.91	2.41	153
48	5.50	5.83	0.33	58
48	5.00	5.83	0.83	63
48	4.50	5.83	1.33	69
48	4.00	5.83	1.83	71
48	3.50	5.83	2.33	72

^a As measured from the bottom of the column

^b Relative to the top liquid level

(T₉₀)

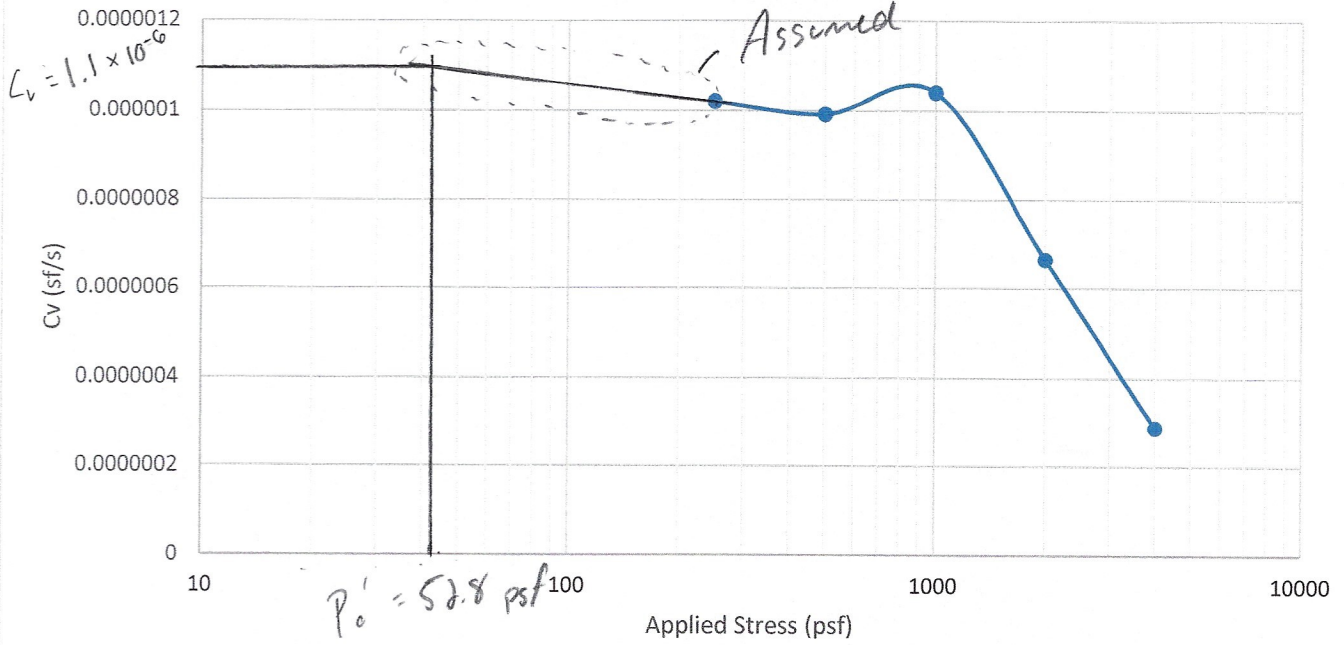
B-7A, 2 - 4 ft



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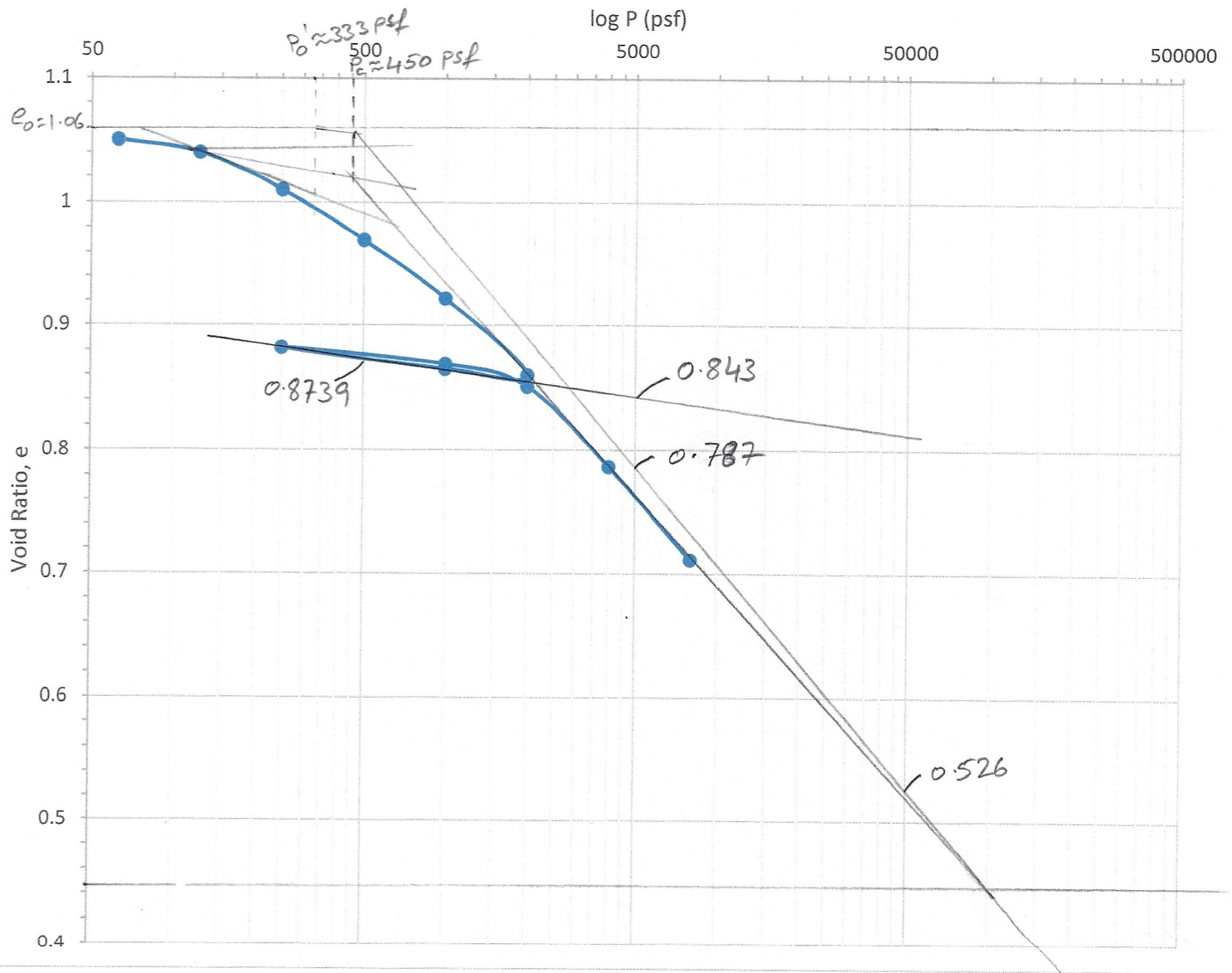
(T₄₀)

B-7A, 2 - 4 ft



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B-8, 8-10 FT



$$P'_0 = (80 - 62.4) \times 2 + 7 \times (105 - 62.4) = 333.4 \text{ psf}$$

$$C_r = 0.8739 - 0.843 = 0.0309$$

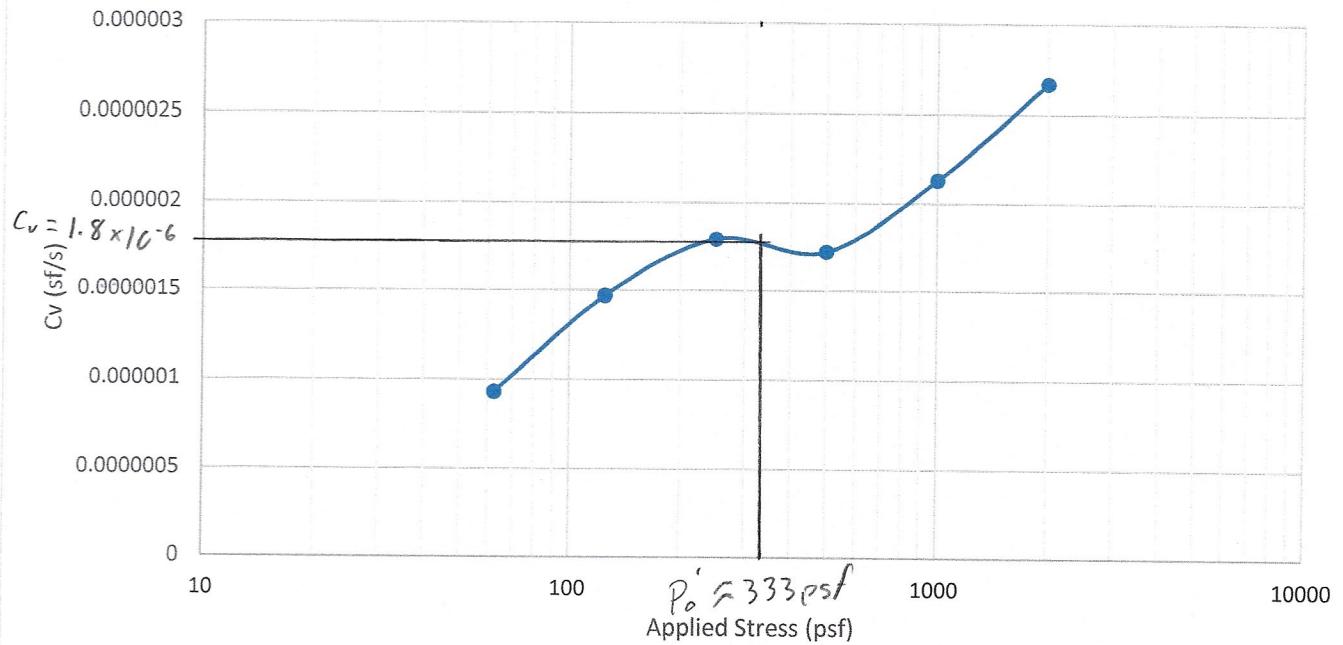
$$C_c = 0.787 - 0.526 = 0.261$$

$$C_v(333) =$$

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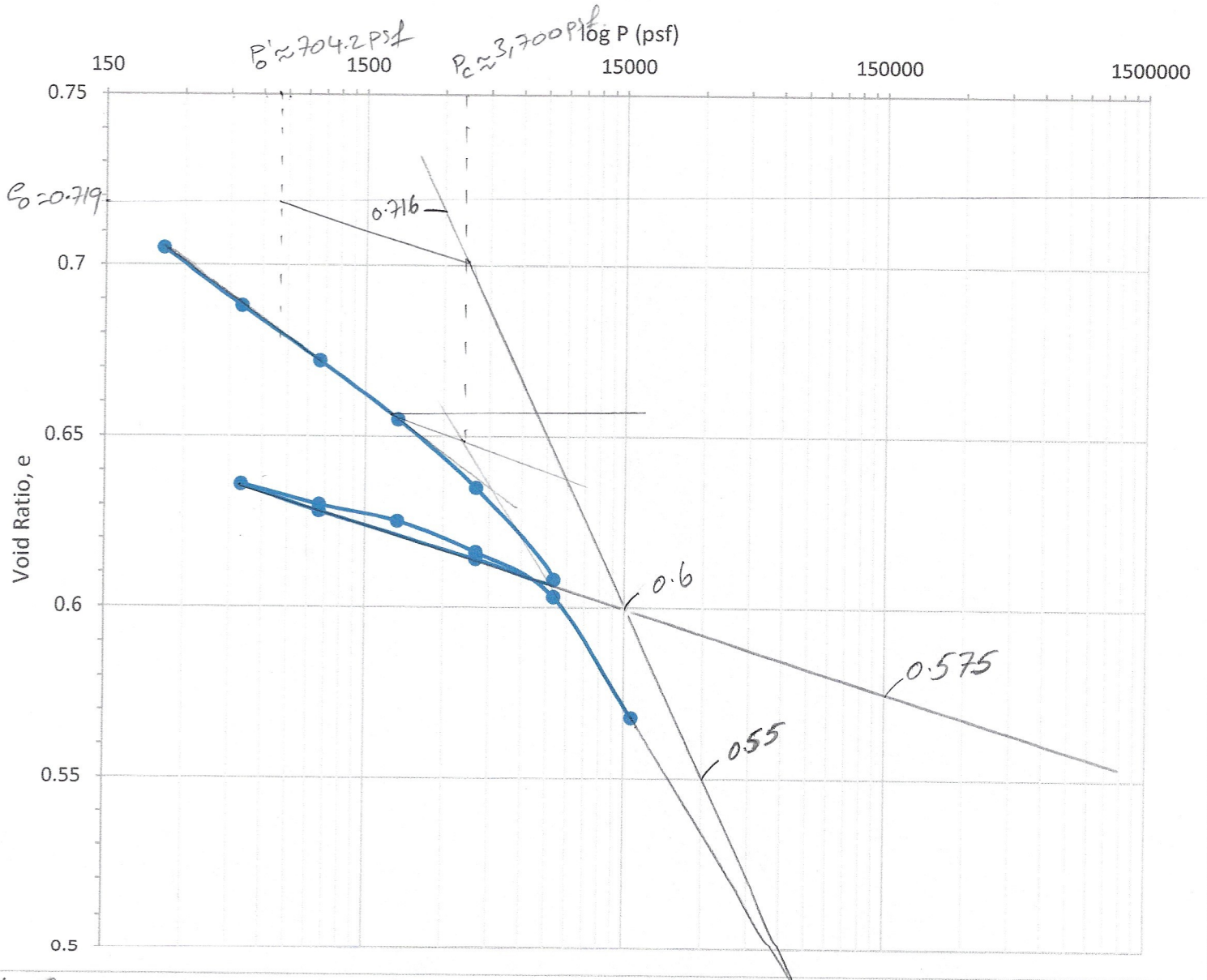
(T₉₀)

B-8, 8 - 10 ft



DRAFT

B-8, 16-18 FT



$$P'_0 = (80 - 62.4) \times 2 + (105 - 62.4) \times 8 + (105 - 62.4) \times 4 + (115 - 62.4) \times 3 = 704.2 \text{ psf}$$

$$C_c = 0.716 - 0.555 = 0.168$$

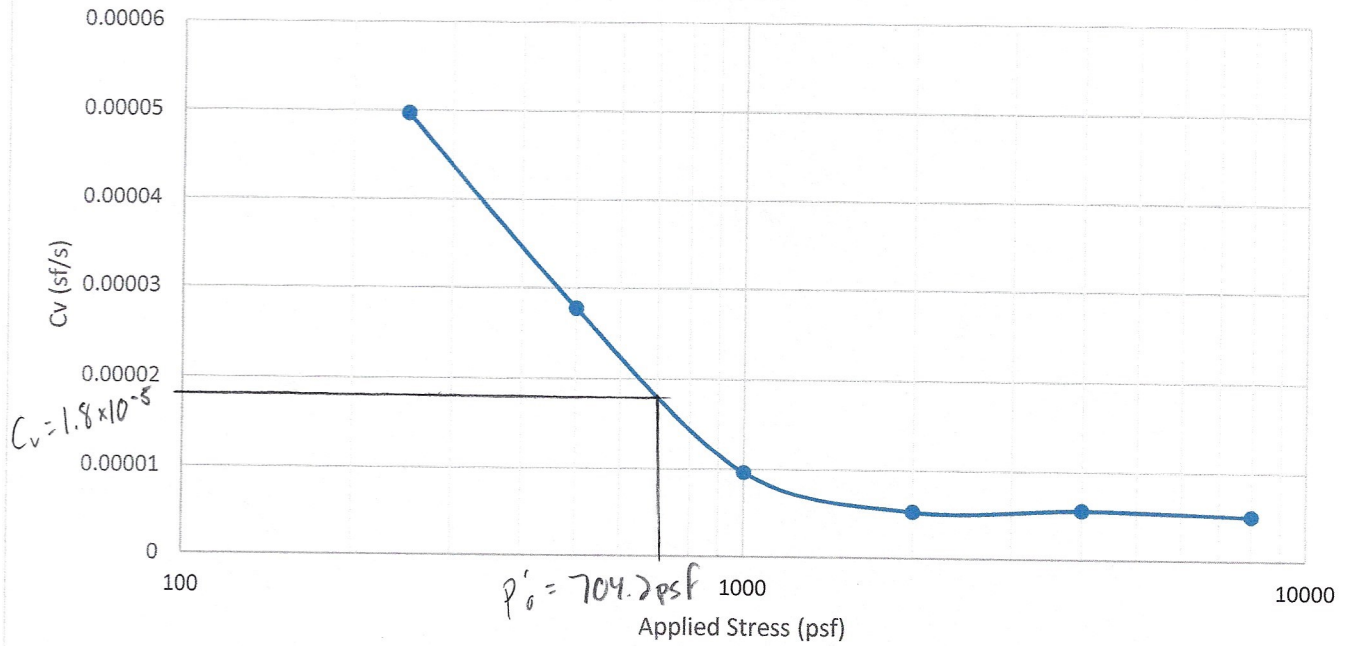
$$C_r = 0.6 - 0.575 = 0.025$$

$$C_v(704.2) =$$

DRAFT

(T₉₀)

B-8, 16 - 18 ft

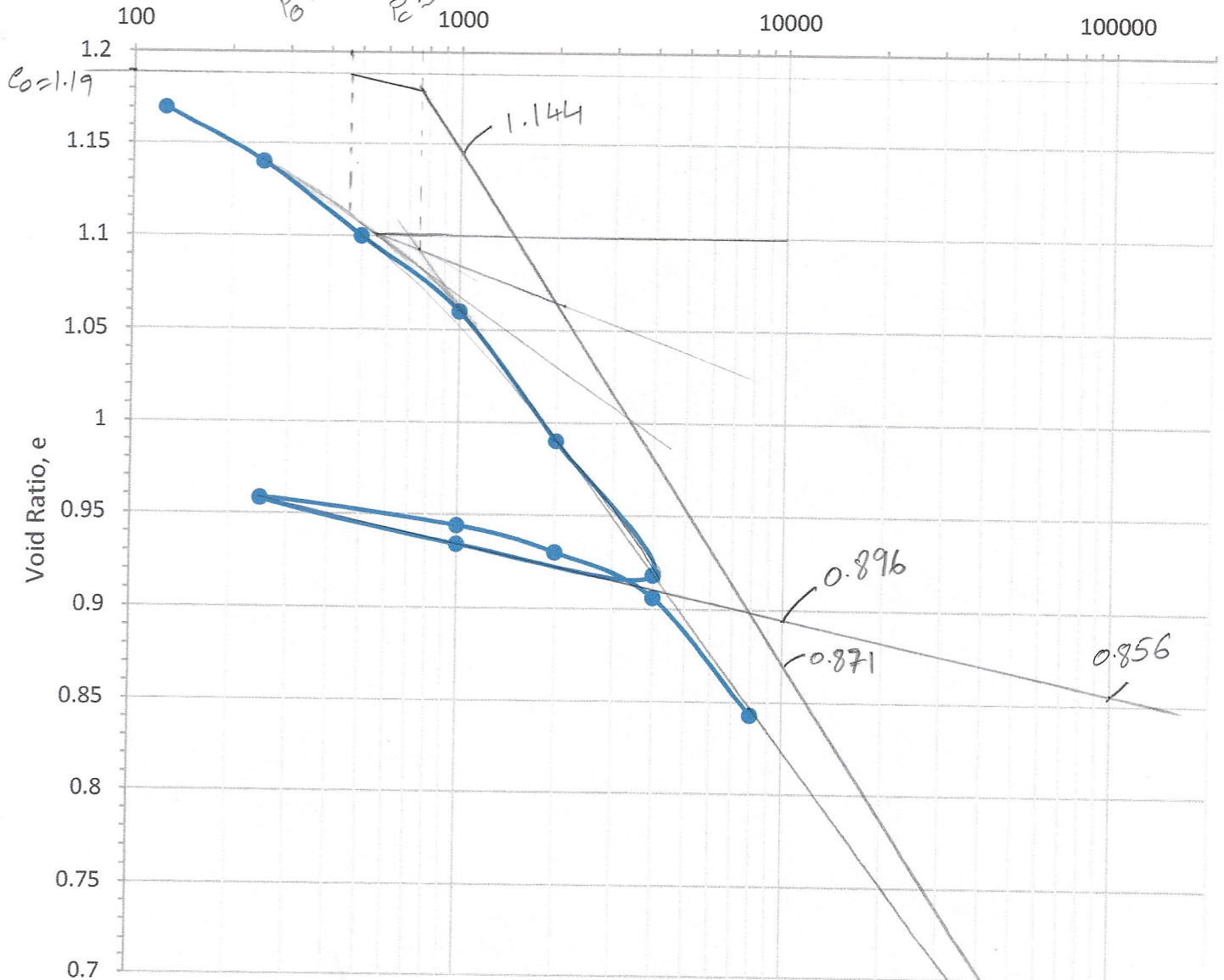


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B-10, 12-14 FT

$P'_0 \approx 453.8 \text{ PSF}$
 $P'_c \approx 730 \text{ PSF}$

log P (psf)



$$\begin{aligned}
 P'_0 &= (80 - 62.4) \times 2 + (90 - 62.4) \times 4 + (100 - 62.4) \times 4 + (115 - 62.4) \times 3 \\
 &= 17.6 \times 2 + 27.6 \times 4 + 37.6 \times 4 + 52.6 \times 3 \\
 &= 35.2 + 110.4 + 150.4 + 157.8 \\
 &= 453.8 \text{ PSF}
 \end{aligned}$$

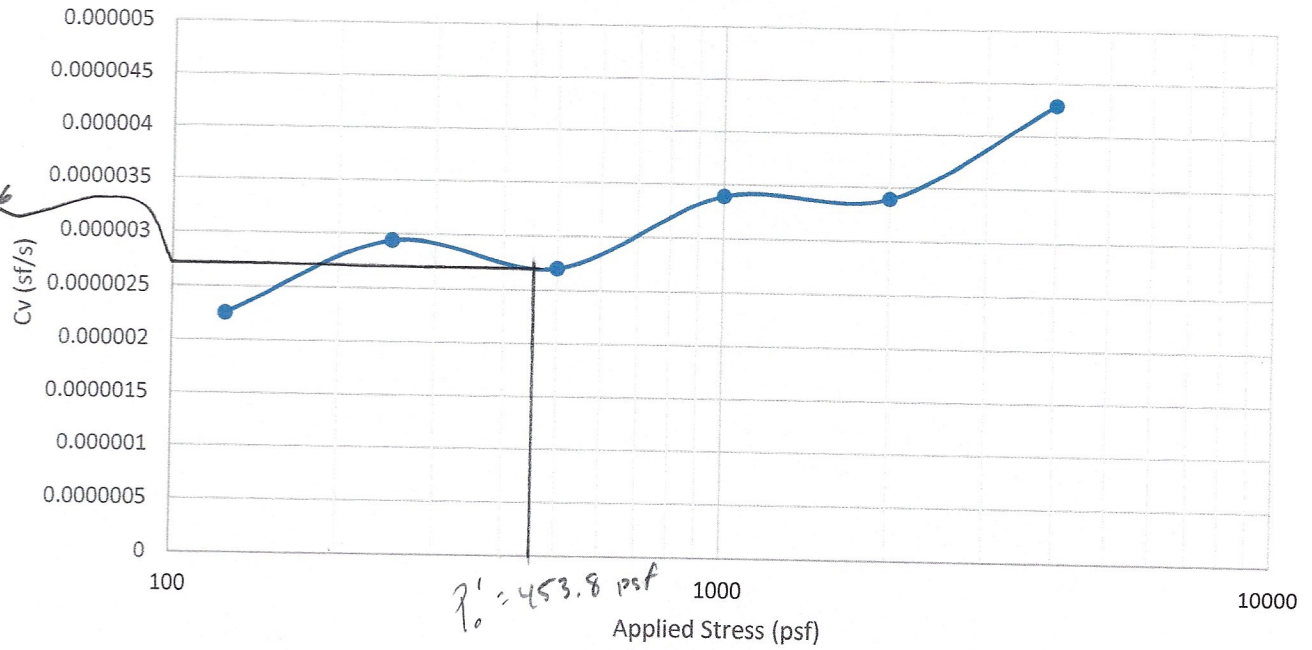
$$\begin{aligned}
 C_c &= 1.144 - 0.871 = 0.273 \\
 C_r &= 0.896 - 0.856 = 0.04
 \end{aligned}$$

DRAFT

(190)

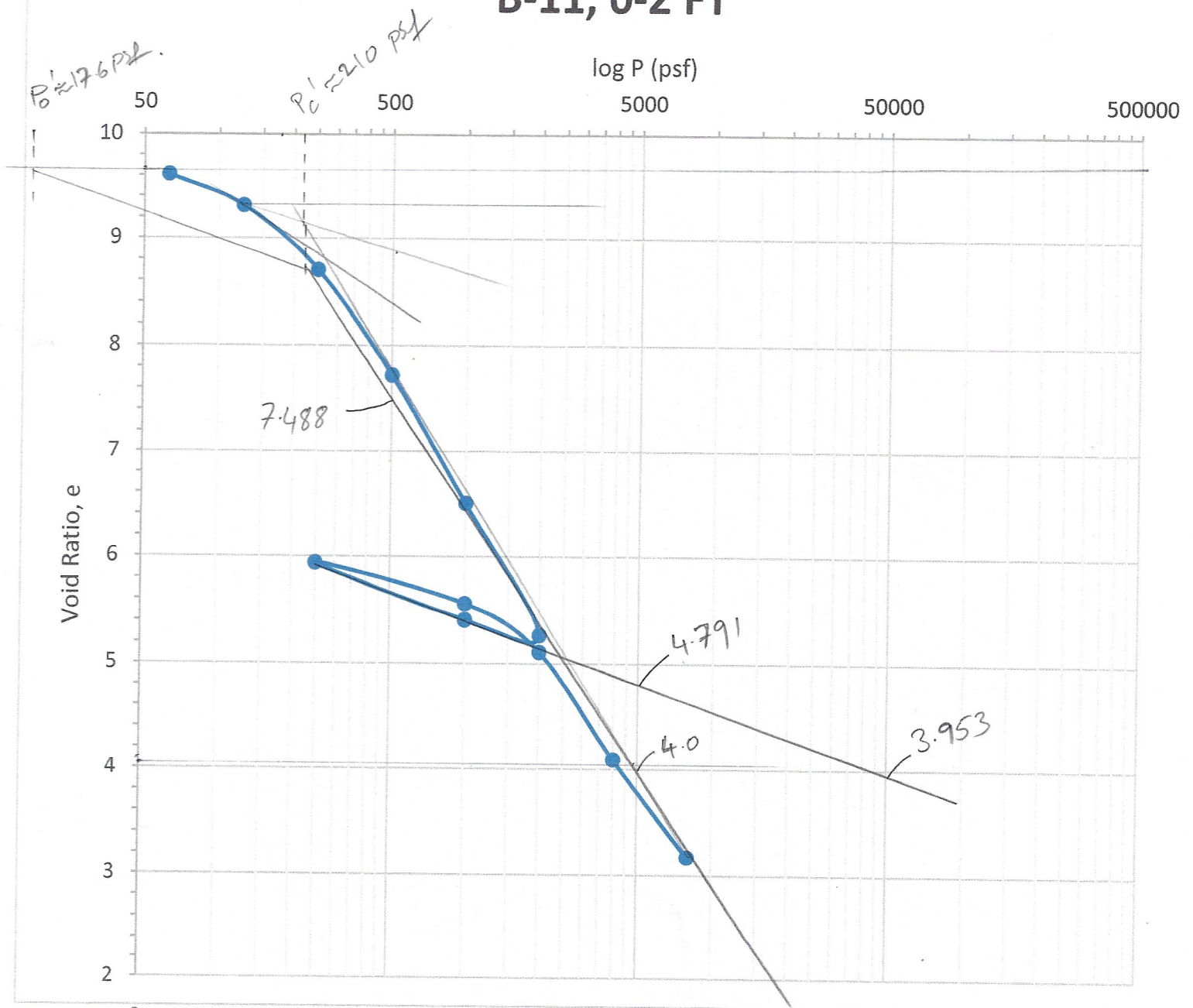
B-10, 12 - 14 ft

$C_v = 2.7 \times 10^{-6}$



DRAFT

B-11, 0-2 FT



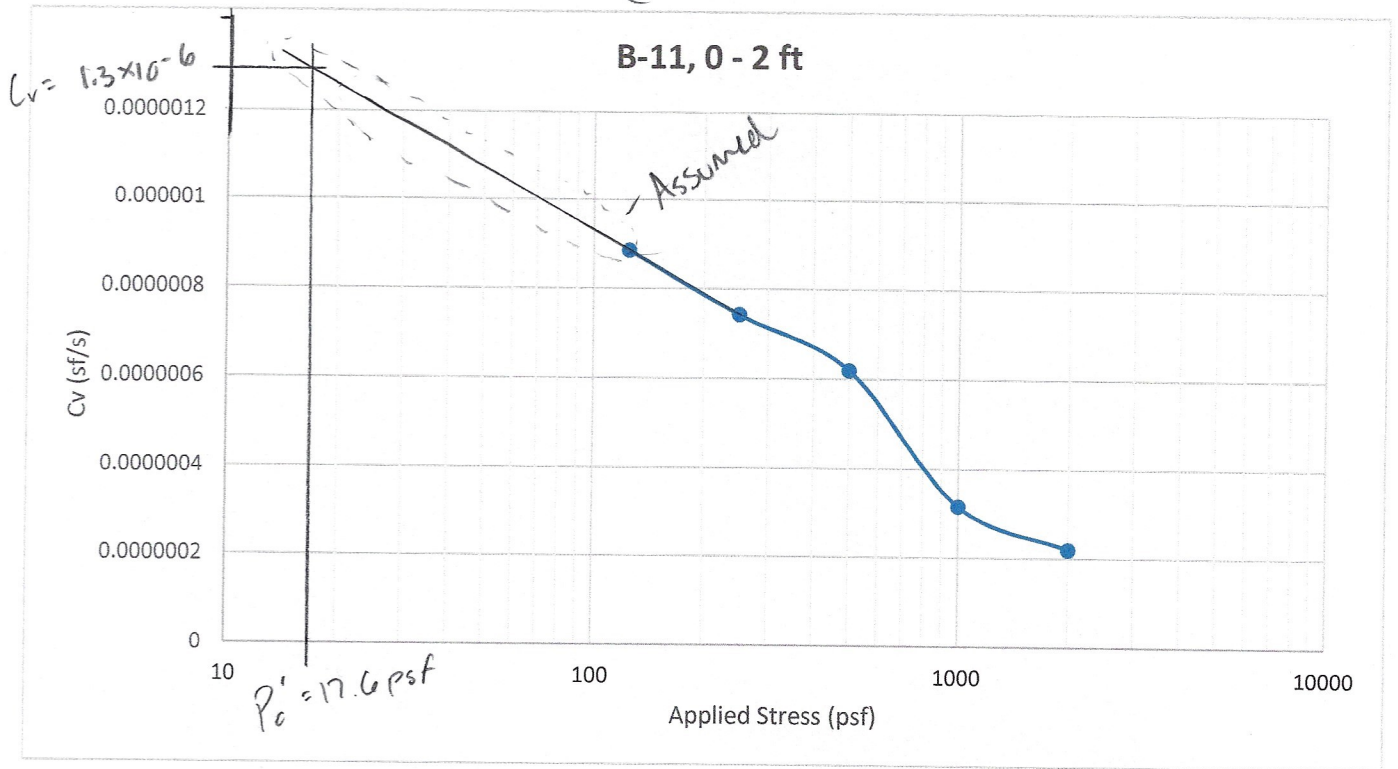
$$P_0' = (80 - 62.4) \times 1 = 17.6 \text{ psf}$$

$$C_c = 7.488 - 4 = 3.488$$

$$C_r = 4.791 - 3.953 = 0.838$$

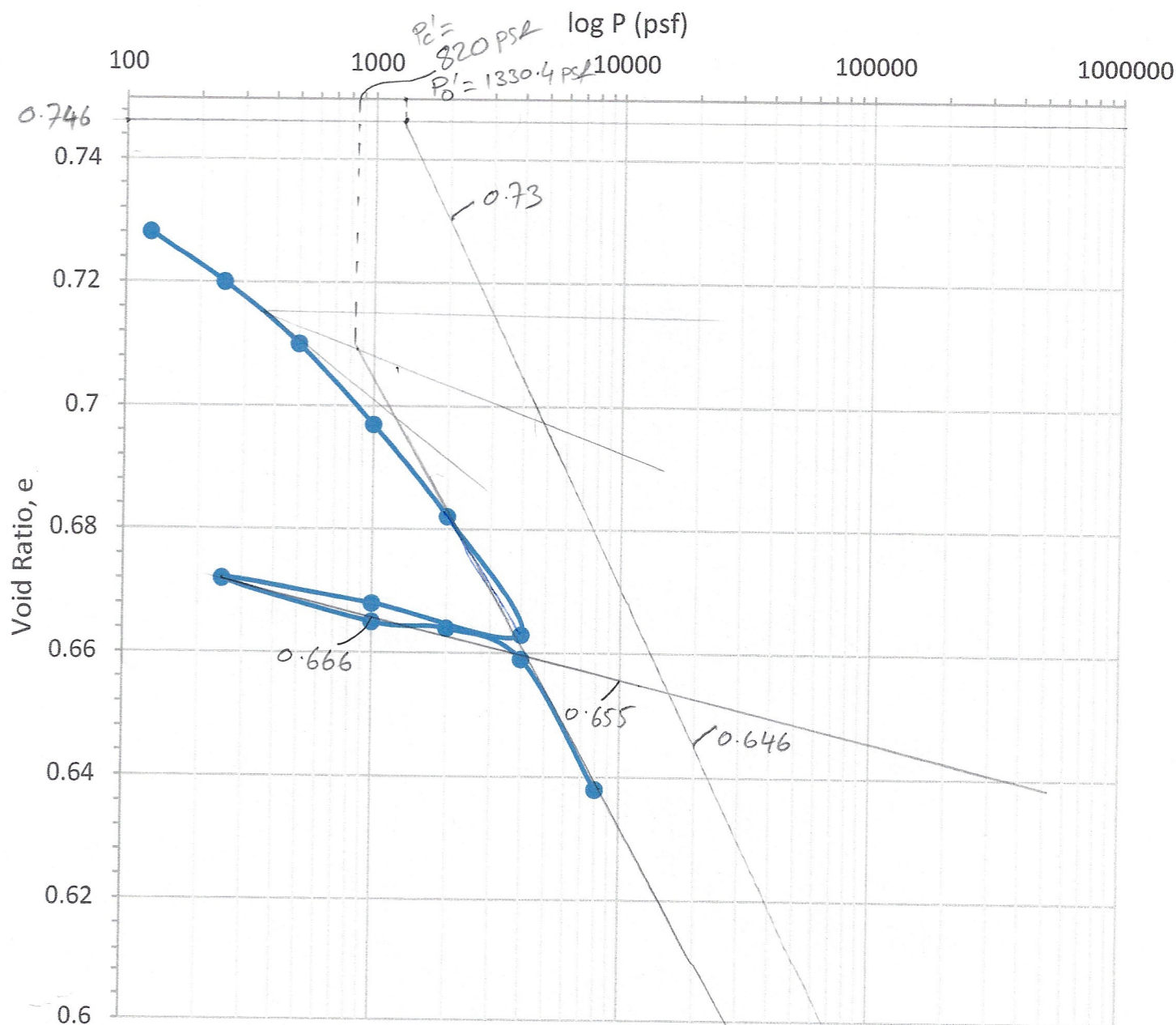
DRAFT

(T₉₀)



DRAFT

B-11, 25-30 FT



$$P_0' = (80 - 62.4) \times 4 + (105 - 62.4) \times 12 + (120 - 62.4) \times 13$$
$$= 1,330.4 \text{ PSf} \quad \text{OCR} < 1$$

$$C_c = 0.73 - 0.646 = 0.084$$

$$C_r = 0.666 - 0.655 = 0.011$$

OCR C1
ASSUME NC

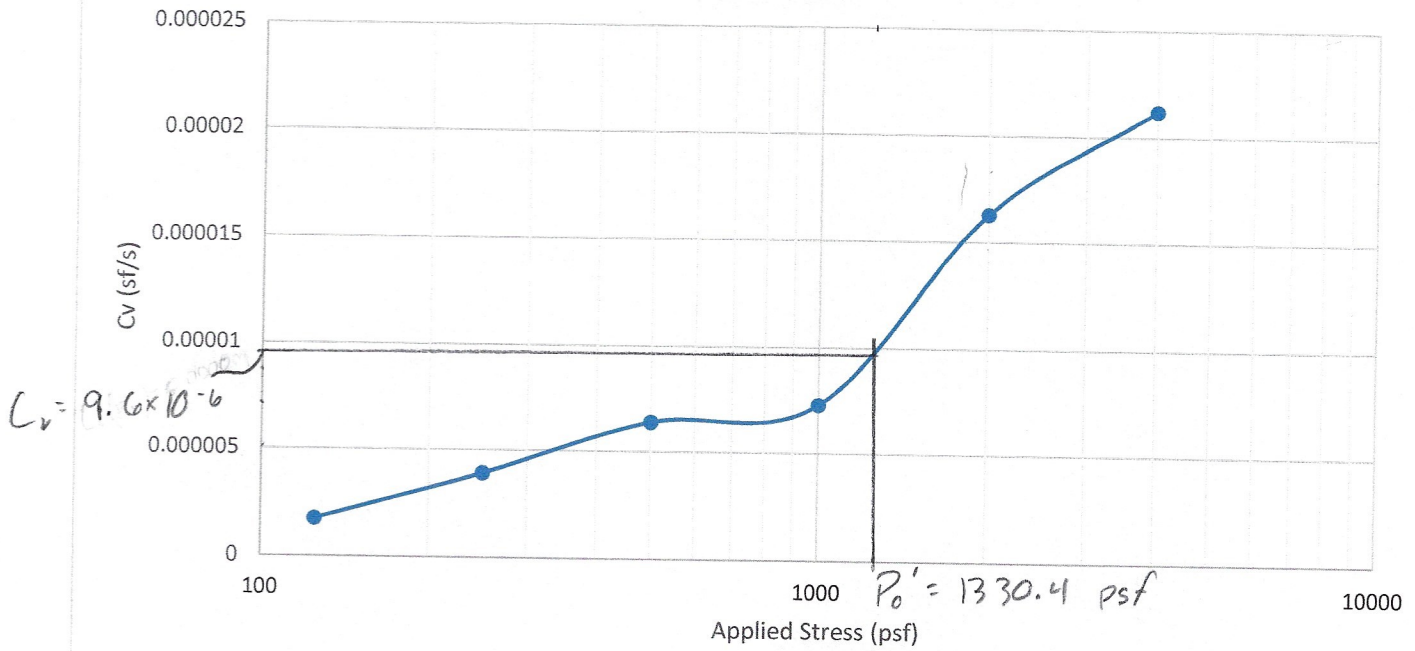
$$C_v(1330.4) =$$

To $0.42 e_0$.

DRAFT

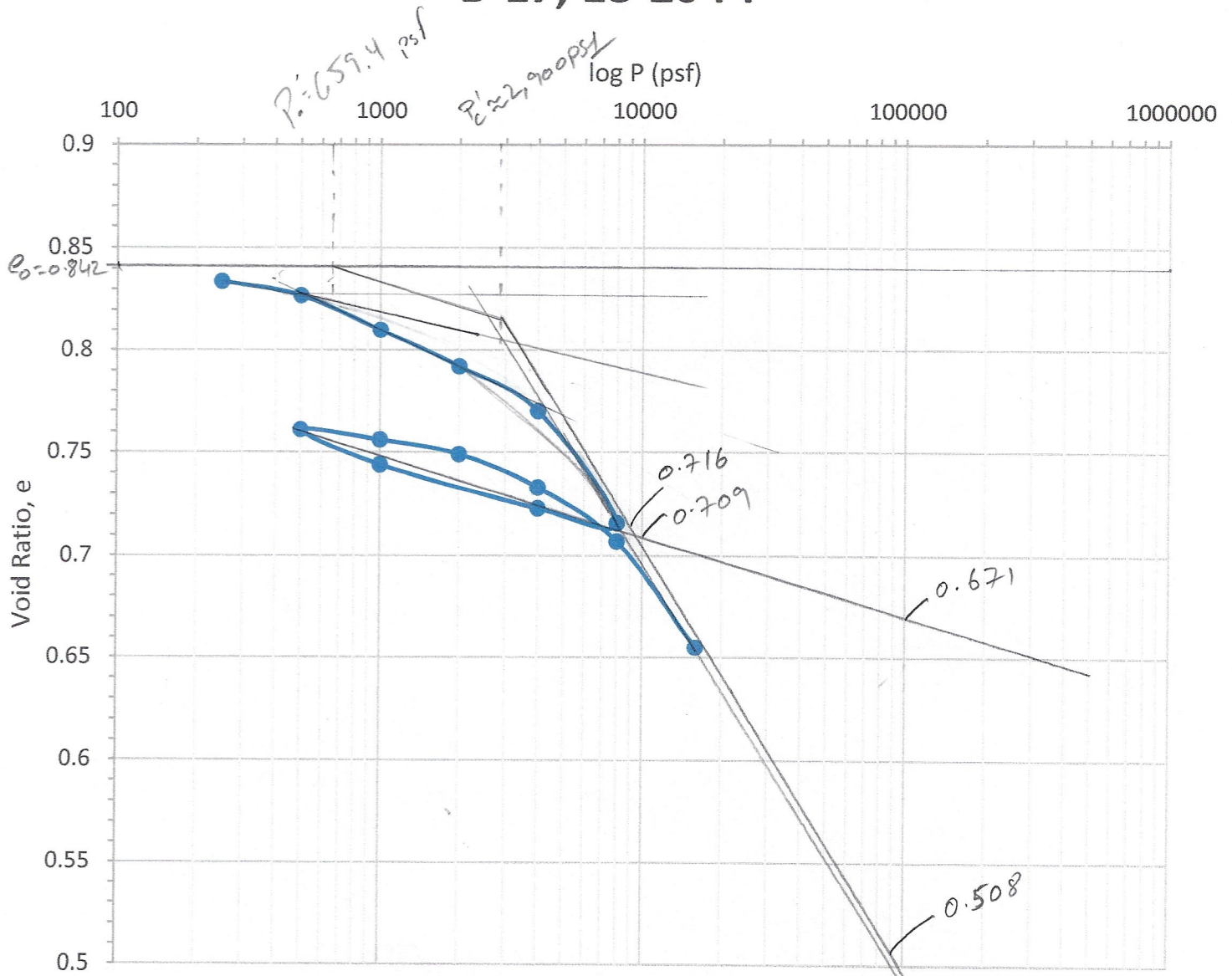
(190)

B-11, 28 - 30 ft



DRAFT

B-17, 18-20 FT



$$P_0' = (80 - 62.4) \times 4 + (90 - 62.4) \times 4 + (105 - 62.4) \times 10 + (115 - 62.4) \times 1$$

$$= 659.4 \text{ psf.}$$

$$e_0 = 0.842$$

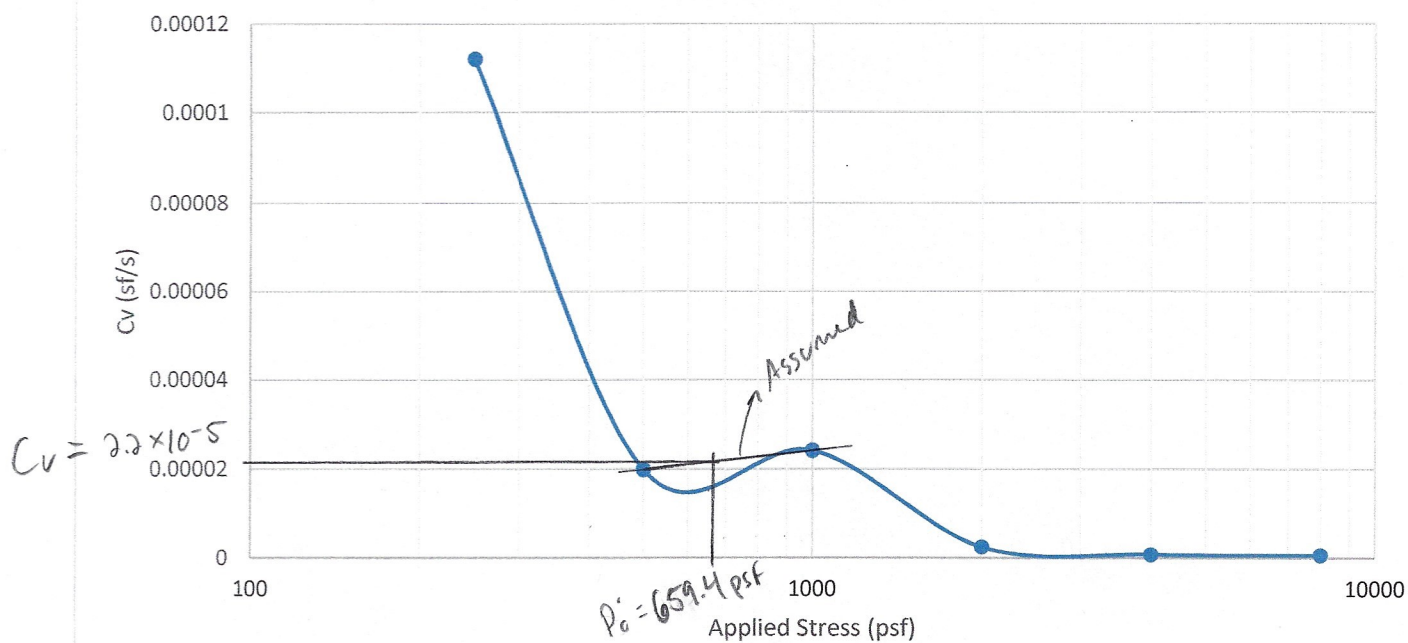
$$C_c = 0.716 - 0.508 = 0.208$$

$$C_r = 0.709 - 0.671 = 0.038$$

DRAFT

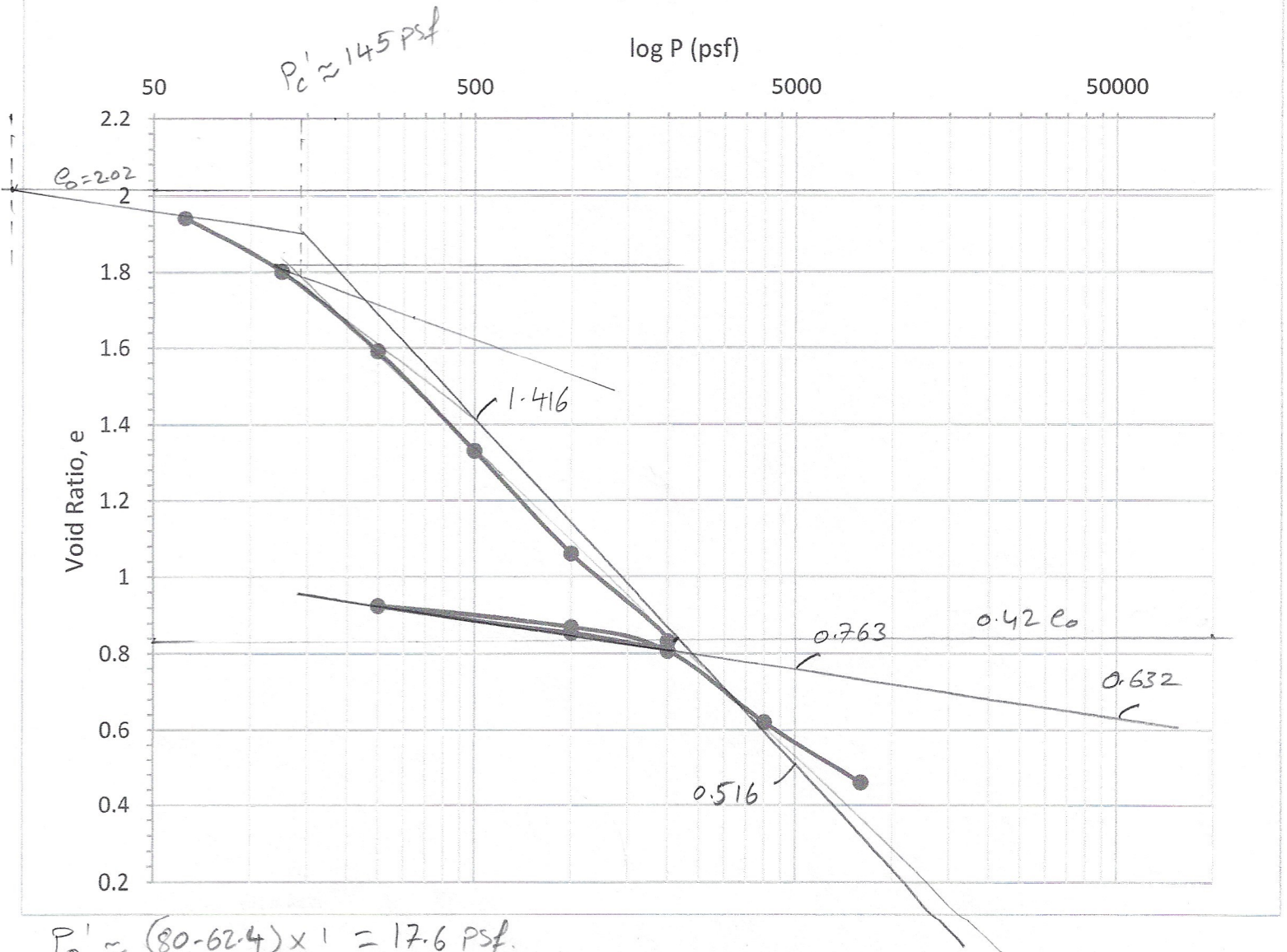
(T_{40})

B-17, 18 - 20 ft



DRAFT

B-18, 0-2 FT



$$P'_0 \approx (80 - 62.4) \times 1 = 17.6 \text{ psf}$$

$$e_0 = 2.02$$

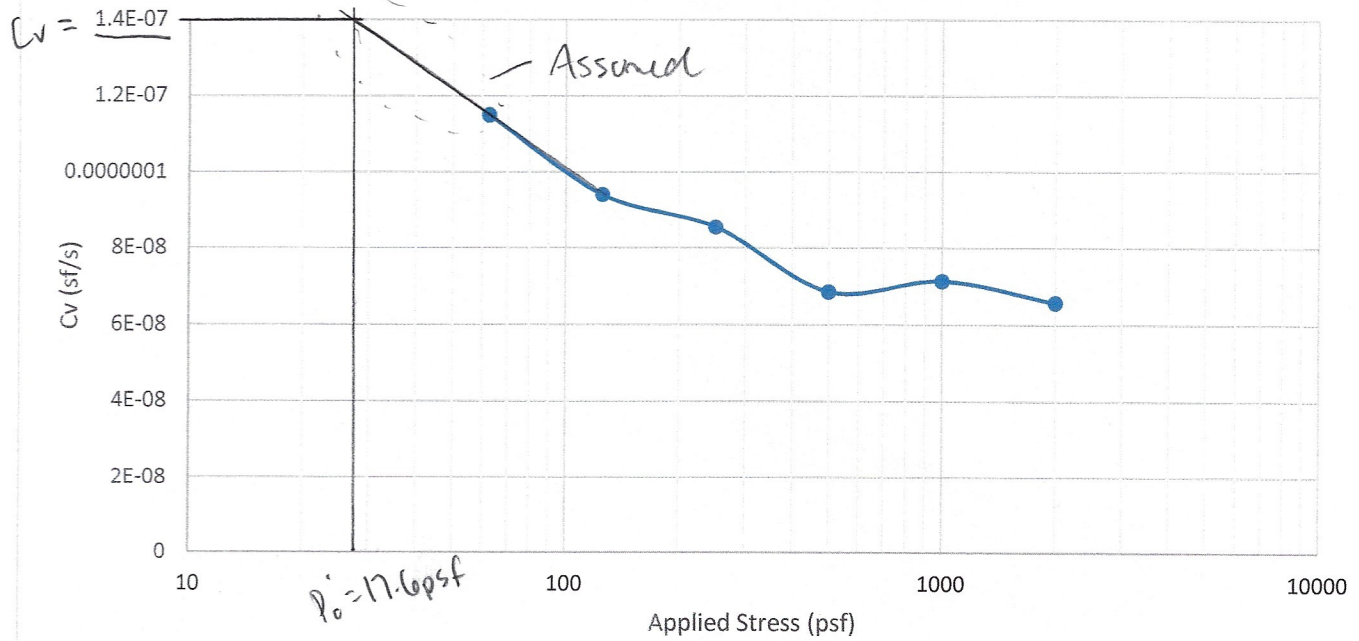
$$C_c = 1.416 - 0.516 = 0.9$$

$$C_r = 0.763 - 0.632 = 0.131$$

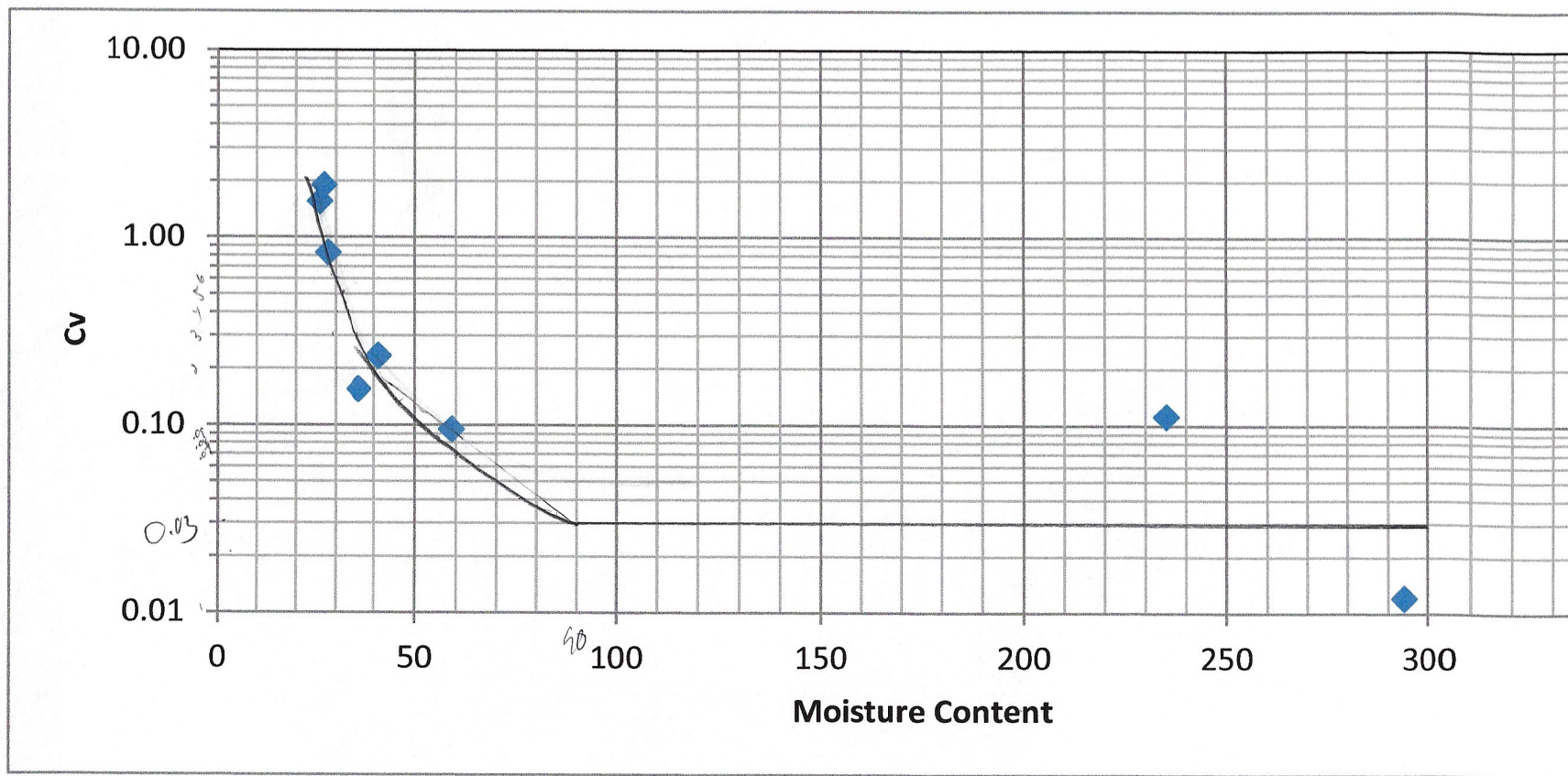
DRAFT

(τ_{90})

B-18, 0 - 2 ft



DRAFT



DRAFT

Appendix V– Cut-to-Fill Ratio and Wave Modelling

DRAFT

Project	New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project
File No.	458517006
Calculation:	Cut-to-Fill Ratio for Borrow Area 1 Material (B123)

Construction Time	30 days	60 days	Comments
Assumed cut volume	100 Cubic Yards	100 Cubic Yards	
Based on soil borings and laboratory data			
Percent Type II Material	55 %	55 %	
Percent Type I Material	45 %	45 %	
Design solids concentration C_d	163.76559 grams/liter	174.3676273 grams/liter	Equation from Settling Column Test
Assume dredged material consolidation time	30.00 days	60.00 days	
Average dredged material consolidation time	15.00 days	30.00 days	
Composite sample properties fine grained soil			
Specific Gravity G_s	2.69	2.69	
Unit Weight of Water γ_w	1000.00 grams/liter	1000.00 grams/liter	
Water content	53.00 %	53.00 %	
Zero void ratio e_o	15.43	14.43	$((G_s \gamma_w)/C_d)-1$ EM-1110-2-5024
Initial volume of Type II Material	55.00 Cubic Yards	55.00 Cubic Yards	
Initial volume of Type I Material	45.00 Cubic Yards	45.00 Cubic Yards	
Initial void ratio e_i	1.43	1.43	$e_i=(w*G_s/S_d)$ Sd=1.0
Final volume of fine grained soil	372.44 Cubic Yards	349.79 Cubic Yards	$V_i[((e_o-e_i)/(1+e_i))+1]$
Final volume of coarse grained soil	45.00 Cubic Yards	45.00 Cubic Yards	Assume no settlement
Total volume filled in containment area	417.44 Cubic Yards	394.79 Cubic Yards	
Cut to fill ratio	4.17	3.95	
Average cut to fill ratio	4.06		

For every cubic yard of material is cut 4.06 cubic yards of fill is generated based on EM-1110-2-5027 method.

DRAFT

Project	New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project				
File No.	458517006				
Calculation:	Cut-to-Fill Ratio for Borrow Area 2 Material (B456)				
Construction Time	30	days	60	days	Comments
Assumed cut volume	100	Cubic Yards	100	Cubic Yards	
Based on soil borings and laboratory data					
Percent Type II Material	85	%	85	%	
Percent Type I Material	15	%	15	%	
Design solids concentration C_d	316.57306	grams/liter	337.9098667	grams/liter	Equation from Settling Column Test
Assume dredged material consolidation time	30.00	days	60.00	days	
Average dredged material consolidation time	15.00	days	30.00	days	
Composite sample properties fine grained soil					
Specific Gravity G_s	2.68		2.68		
Unit Weight of Water γ_w	1000.00	grams/liter	1000.00	grams/liter	
Water content	62.00	%	62.00	%	
Zero void ratio e_o	7.47		6.93		$((G_s \gamma_w)/C_d)-1$ EM-1110-2-5024
Initial volume of Type II Material	85.00	Cubic Yards	85.00	Cubic Yards	
Initial volume of Type I Material	15.00	Cubic Yards	15.00	Cubic Yards	
Initial void ratio e_i	1.66		1.66		$e_i=(w \cdot G_s/S_d)$ $S_d=1.0$
Final volume of fine grained soil	270.36	Cubic Yards	253.29	Cubic Yards	$V_i[[(e_o-e_i)/(1+e_i))+1]$
Final volume of coarse grained soil	15.00	Cubic Yards	15.00	Cubic Yards	Assume no settlement
Total volume filled in containment area	285.36	Cubic Yards	268.29	Cubic Yards	
Cut to fill ratio	2.85		2.68		
Average cut to fill ratio	2.77				
For every cubic yard of material is cut	2.77	cubic yards of fill is generated based on EM-1110-2-5027 method.			

DRAFT



Project Name P0-169 Calculated By VT Date 5/3/2018
Project Number 4585-17-006 Checked By RW Date 5/3/2018
Subject CUT-TO-FILL RATIO Sheet _____ of _____

B123 - BORROW AREA 1

- BASED ON COLUMN SETTLING TESTS COMPLETED FOR COMPOSITE SOIL FROM BORROW AREA 1, THE CUT-TO-FILL IS ESTIMATED TO BE ABOUT 4.06. HOWEVER, THIS IS NOT AN ACCURATE MODEL FOR MARSH FILL SEDIMENTS AS COLUMN SETTLING DOES NOT ACCOUNT FOR WATER DRAINAGE. AS SHOWN IN THE ATTACHED FIGURE, THE CONCENTRATION INCREASES SIGNIFICANTLY WITH CHANGE IN PRESSURE. FOR EXAMPLE, FOR B123 SAMPLE, WHEN THE INSITU PRESSURE IS CLOSE TO 0.0001 PSF, THE CONCENTRATION IS ABOUT 163 g/L. FOR 20 PSF, THE CONCENTRATION IS ABOUT 700 g/L.
- BASED ON RECOMMENDED EOC FILL EL+25 FEET, TOTAL STRESS IS TYPICALLY IN THE RANGE OF 0 TO 300 PSF WITHIN THE MARSH FILL
- GIVEN BELOW IS AN ESTIMATE OF CUT-TO-FILL RATIO FOR VARIOUS CONCENTRATIONS OF DREDGED FILL
ASSUMING:
 - 45% TYPE I MATERIAL
 - 55% TYPE II MATERIAL
 - 30 DAYS CONSTRUCTION TIME
 - 2.69 SPECIFIC GRAVITY

DRAFT



Project Name PO-169 Calculated By VT Date 5/3/2018
Project Number 4585-17-006 Checked By _____ Date _____
Subject CUT-TO-FILL RATIO Sheet _____ of _____

8123

$$\text{FOR } C_d = 200 \text{ g/L}, e_o = \frac{G_s \gamma_w}{C_d} - 1$$
$$= \frac{2.69 \times 1000 (\text{g/L})}{200} - 1$$
$$= 12.45$$

$$e_i = w G_s$$
$$= 0.53 \times 2.69$$
$$\approx 1.43$$

WATER CONTENT = 53%

$$V_f = 55 \left[\frac{12.45 - 1.43}{1 + 1.43} + 1 \right]$$
$$= 304.42 \text{ yd}^3$$

$$V_t = 304.42 + 45 = 349.42 \text{ yd}^3$$

(FILLS) (SAND)

CUT 100 yd³ \leftrightarrow FILLS 349.42 yd³ for $C_d = 200 \text{ g/L}$ @ $< 1 \text{ PSF}$

$$\text{FOR } C_d = 500 \text{ g/L}, e_o = 4.38$$

$$e_i \approx 1.43$$
$$V_f = 55 \left[\frac{4.38 - 1.43}{1 + 1.43} + 1 \right]$$
$$= 121.77 \text{ yd}^3$$

CUT 100 yd³ \leftrightarrow FILLS 167 yd³ for $C_d = 500 \text{ g/L}$ @ $\approx 5 \text{ PSF}$

$$\text{FOR } C_d = 1000 \text{ g/L}, e_o = 1.69$$

$$e_i \approx 1.43$$
$$V_f = 55 \left[\frac{1.69 - 1.43}{1 + 1.43} + 1 \right]$$
$$= 60.88 \text{ yd}^3$$

CUT 100 yd³ \leftrightarrow FILLS 105.88 yd³ for $C_d = 1000 \text{ g/L}$ @ $\approx 120 \text{ PSF}$

DRAFT



Project Name PO-169 Calculated By VT Date 5/3/2018
Project Number 4585-17-006 Checked By _____ Date _____
Subject CUT-TO-FILL RATIO Sheet _____ of _____

B123

WHILE INITIALLY THE CUT-TO-FILL RATIO IS HIGH, IT REDUCES
QUITE DRASTICALLY AS THE PRESSURE INCREASES. ASSUMING
AN AVERAGE PRESSURE OF ABOUT 120 PSF, A CUT-TO-FILL
RATIO OF ABOUT 0.95 CAN BE ASSUMED FOR B123
BORROW AREA 1 SOIL.

DRAFT



Project Name PO-169 Calculated By VT Date 5/3/18
Project Number 4585-17-006 Checked By _____ Date _____
Subject CUT-TO-FILL Sheet _____ of _____

8456

CUT $100 \text{ yd}^3 \longleftrightarrow$ FILLS 186 yd^3 for $C_d = 500 \text{ g/L}$ @ $< 5 \text{ P/L}$.

FOR $C_d = 1000 \text{ g/L}$ @ $\approx 55 \text{ P/L}$

$e_o = 1.68$ $e_i = 1.66$

$$V_f = 85 \left[\frac{1.68 - 1.66}{1 + 1.66} + 1 \right] = 85.64 \text{ yd}^3$$

CUT $100 \text{ yd}^3 \longleftrightarrow$ FILLS 100 yd^3

FOR AN AVERAGE OF 120 P/L , $C_d \approx 1,400 \text{ g/L}$

$e_o = 0.91$ $e_i = 1.66$

$$V_f = 85 \left[\frac{0.91 - 1.66}{1 + 1.66} + 1 \right] = 61 \text{ yd}^3$$

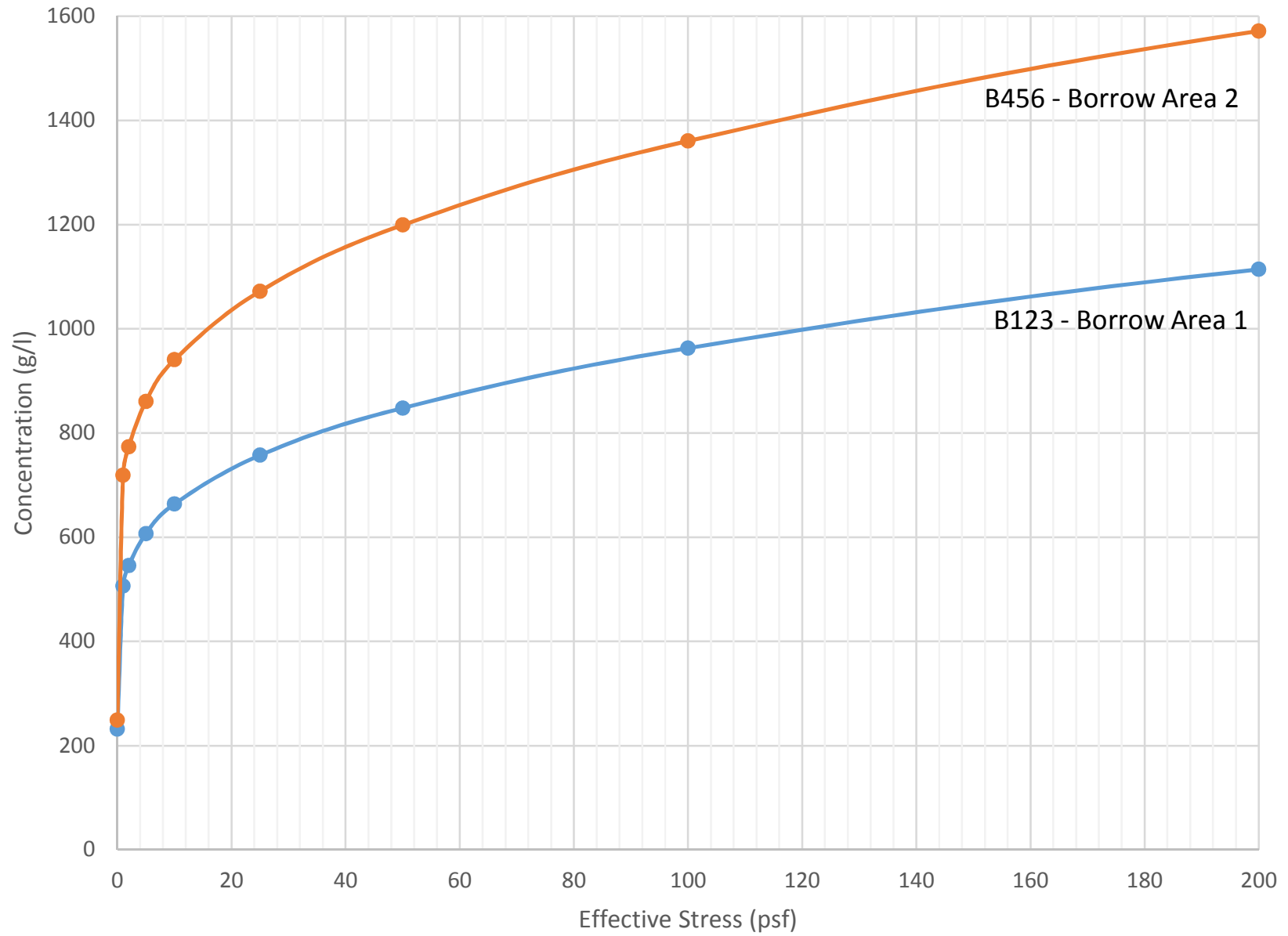
$$V_T = 61 + 15 = 76 \text{ yd}^3$$

CUT $100 \text{ yd}^3 \longleftrightarrow$ FILLS 76 yd^3 ??

AS SEEN ABOVE, THE LONGER IT TAKES OR HIGHER THE CONCENTRATION AT WHICH MATERIAL IS PUMPED, CHANGES THE CUT-TO-FILL RATIO DRASTICALLY. FOR 8456 MATERIAL A CUT-TO-FILL RATIO OF ABOUT 0.95 CAN BE ASSUMED.

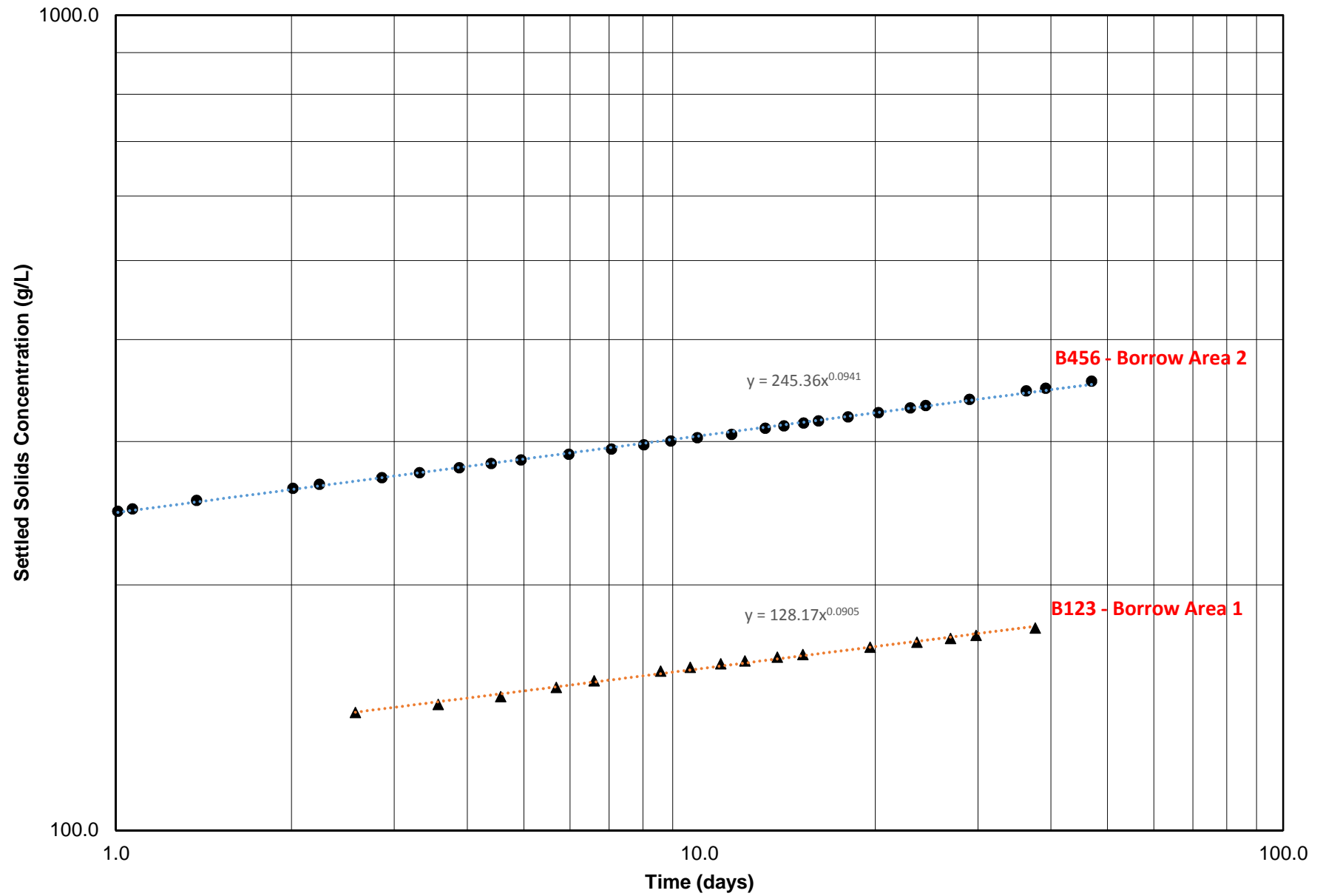
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Stress vs Concentration



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Settled Solids Concentration vs Time



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New Orleans Landbridge Shoreline Stabilization and Marsh Creation

April 11th, 2018

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1 Introduction

Data analysis and wave modeling at the New Orleans Landbridge project site was conducted to develop an understanding of the environmental forcing acting on the proposed containment dikes and to evaluate how the containment dikes should account for these processes. The project location is shown on Figure 1. The analysis included a review of water surface elevation, wind statistics, and numerical modeling of wind-generated waves at the project site.

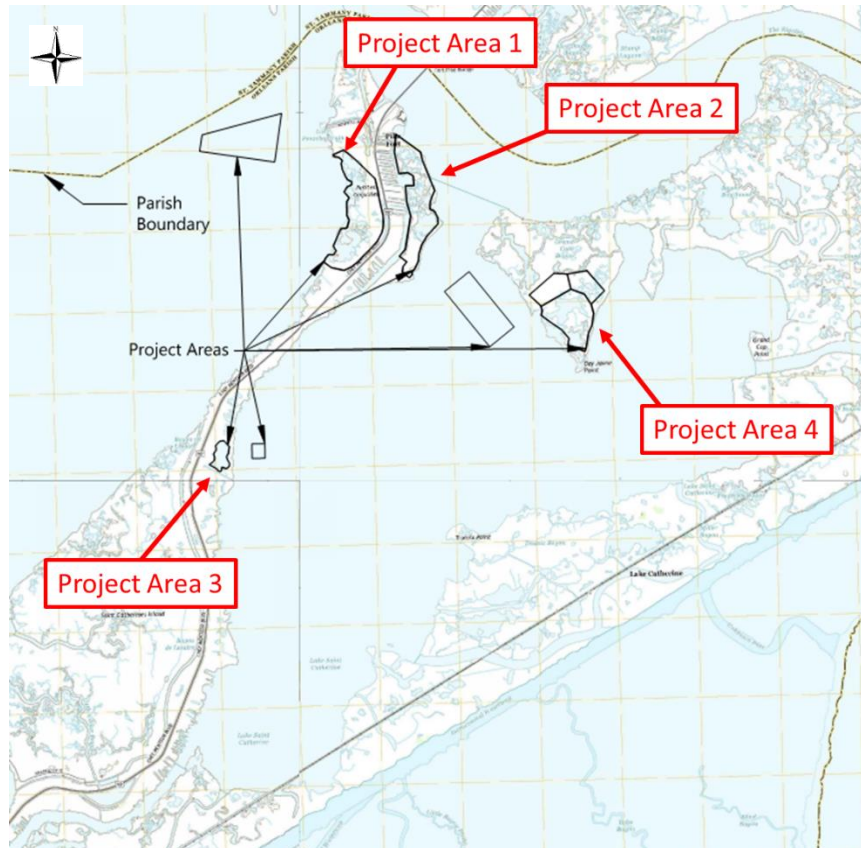


Figure 1 Project Location, Orleans Parish, Louisiana.

Wind and water surface elevation (WSE) data were obtained from several gages shown on Table 1 and Figure 2.

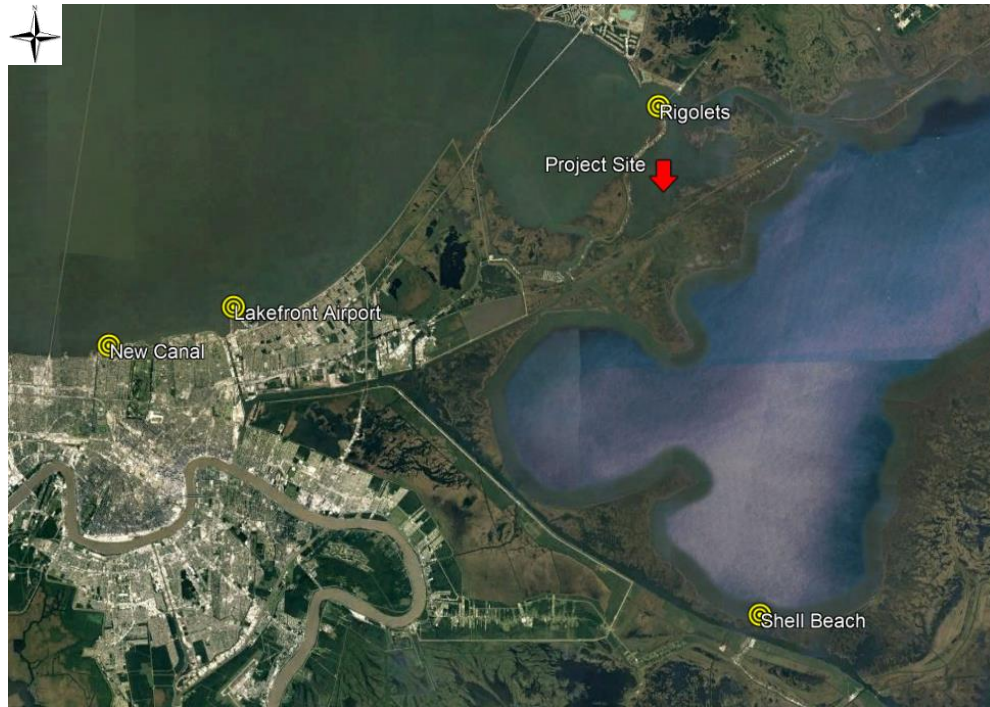


Figure 2 NOAA gaging stations and project location map.

Table 1 Wind and WSE data sources at the project site vicinity.

Gage ID	Agency	Data Type	Time Range
New Canal 8761927	NOAA	Wind WSE	2005 to 2018
Shell Beach 8761305	NOAA	Wind WSE	2008 to 2018
Lakefront Airport USW00053917	NOAA	Wind	1998 to 2018
Rigolets 301001089442600	USGS	WSE	2004 to 2018

2 Water Surface Elevation

2.1 Datum

The water surface elevations and tidal datums at the project site, shown in Table 2, were collected from the NOAA Station New Canal 8761927 (NOAA, 2013). All water surface elevations are shown in ft NAVD88 (epoch 1983-2001).

Table 2 Water Surface Elevations at New Canal.

Water Surface Elevations	NAVD88 ft*
Highest Observed Tide	6.31
Highest Astronomical Tide	0.38
Mean Higher-High Water	0.28
Mean Sea Level	0.03
Mean Lower-Low Water	-0.22
Lowest Astronomical Tide	-0.31
Lowest Observed Tide	-2.18

* Conversion between NAVD88 and MSL taken from Shell Beach

2.2 WSE Extreme Value Statistics

Extreme value WSE analyses were conducted on Shell Beach, New Canal, and Rigolets gaging stations by using the measured WSE, which includes the meteorological and astronomical components. Results are shown on Table 3. Results indicate good correlation between the gaging stations.

The analysis of the WSE data was used to provide surge values only up to the 5-year return period due to the unreliability of the instrumentation to record higher WSE, such as those that occur during an extreme tropical event (gages are often damaged and records are frequently incomplete); extreme values of WSE above approximately a 5-year event are better determined through evaluation of historical high water marks or comprehensive storm surge modeling. It is also assumed the containment dike will not be designed to withstand an event higher than 5-year return period.

Table 3 Extreme WSE values and corresponding return period

Return Period [yrs]	Shell Beach [ft NAVD]	New Canal [ft NAVD]	Rigolets [ft NAVD]
1	3.9	3.0	2.9
2	5.1	3.5	3.1
5	7.1	4.5	3.8

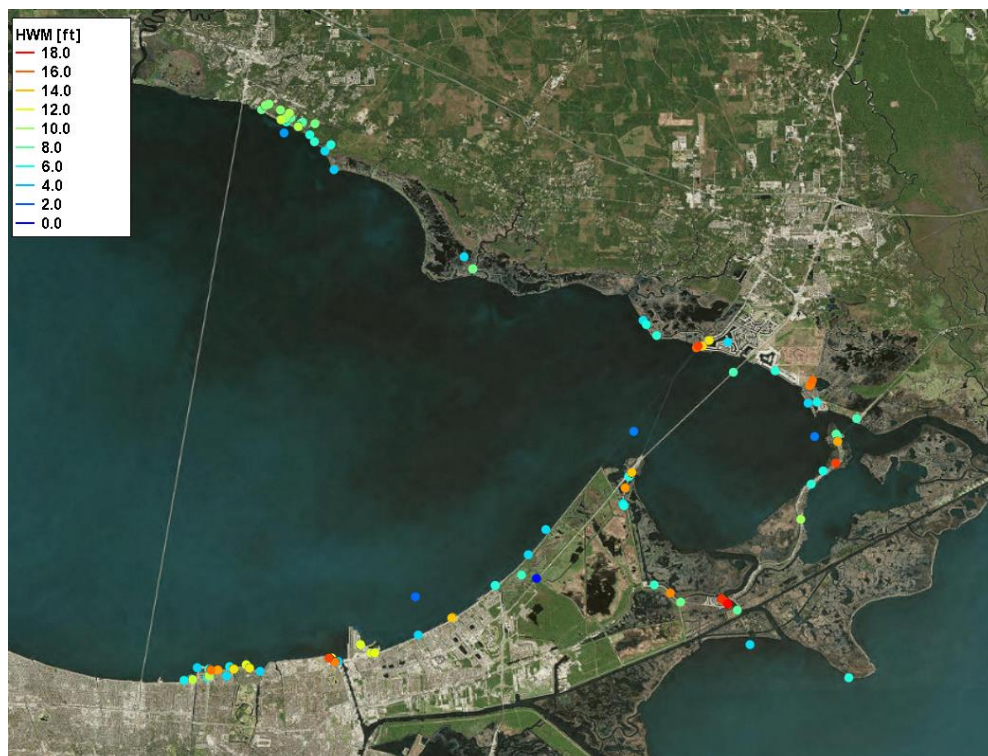
2.3 Surge Extreme Value Statistics

Extreme value surge analyses were conducted for both Shell Beach and New Canal NOAA gaging stations by subtracting the harmonic WSE from the measured WSE, which results in surge values (meteorological component only). Results are shown on Table 4.

Table 4 Extreme surge values and corresponding return period

Return Period [yrs]	Shell Beach Surge [ft]	New Canal Surge [ft]
1	3.7	2.8
2	5.0	3.3
5	7.1	4.1

For reference purposes, high water marks (HWM) near the project site were collected. HWM at the project site are shown on Figure 3 and Table 5.

**Figure 3 High water marks in vicinity of project area.****Table 5 Highest HWM for each hurricane at the project site.**

Hurricane	HWM [ft]	Datum	Year	Long	Lat
Katrina	18.7	MSL	2005	-89.805	30.066
Isaac	10.1	NAVD	2012	-89.762	30.116
Rita	8.7	NGVD	2005	-90.082	30.360
6th Hurr FL	8.0	MSL	1947	-89.799	30.062
Flossy	7.6	MSL	1956	-89.888	30.054
Ike	6.7	NAVD	2008	-90.067	30.353
Carla	6.0	N/A	1961	-90.066	30.355
Gustav	4.8	NAVD	2008	-90.124	30.021
Audrey	3.4	MSL	1957	-90.069	30.346

3 Winds

To describe the wind characteristics at New Orleans Landbridge project site, wind roses were developed using the historical wind data for Shell Beach and New Canal stations. Wind roses illustrate the frequency of occurrence of wind events for 16 directional bins at 16 points of the compass for various wind speeds. Wind roses are shown on Figure 4. The highest wind speeds are observed coming from the northeast directions. Those wind speeds are associated with strong winter cold fronts that pass through the area.

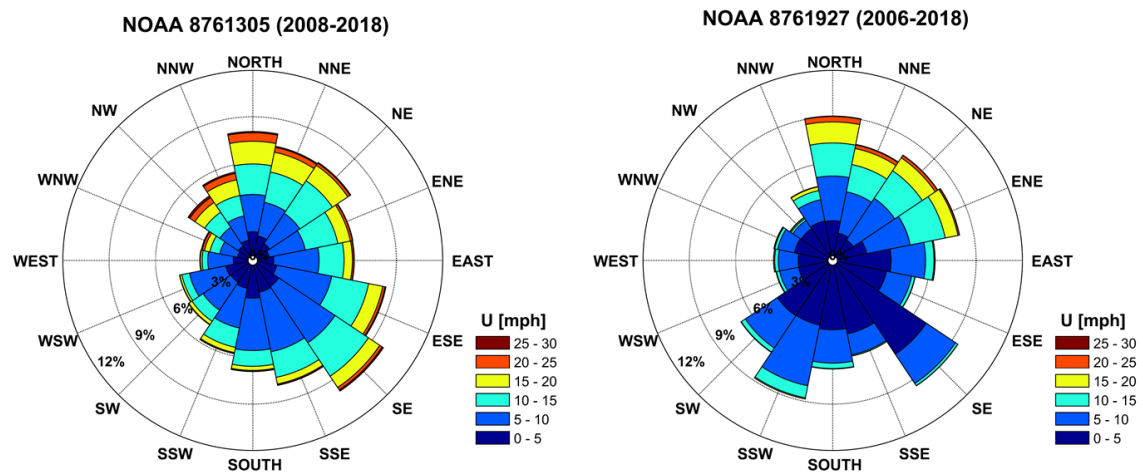


Figure 4 Wind roses, Shell Beach (NOAA 8761305) on the left and New Canal (NOAA 8761927) on the right.

An extreme value analysis was conducted for both Shell Beach and New Canal NOAA gaging stations. Using the 2-minute average wind speed, analysis of the wind data was used to provide wind speed values only up to the 5-year return period due to the unreliability of the instrumentation to record higher wind speeds, such as those that occur during an extreme tropical event (gages are often damaged and records are frequently incomplete).

Extreme value analysis was also conducted on Lakefront Airport wind gage. Upon data inspection and reconciliation of wind speed sampling frequency and adjustments to the data based on the height of the instrument, Lakefront Airport gage wind measurements appeared to be significantly higher than the Shell Beach and New Canal gages. Effort was made to reconcile the differences through evaluation of metadata and reconciliation of sample duration and instrument elevation. The extreme value analysis results yielded larger wind speeds that did not correlate to Shell Beach and New Canal gages; hence, Lakefront Airport gage has been excluded from this Memo.

To provide a more comprehensive analysis of wind speeds, an extreme value analysis on all hurricanes influencing the project site was conducted using methodology consistent with the National Hurricane Center (NHC) Risk Analysis Program (HURISK) (NOAA, 1987). Hurricane tracks, wind speed, and pressure data were obtained from the National Hurricane Center (NHC) database to perform this extreme wind analysis. The NHC storm database spans from 1842 to 2015. Maximum wind speeds were extracted for all storms passing within 75 nautical miles of the project site during the data record. Figure 5 shows all storms with an intensity of tropical

storm level or greater that pass within 75 nautical miles of the project site. Extreme value wind analysis results are shown on Table 6.

Table 6. Extreme wind speed (2-min averaging U) values and corresponding return period.

Return Period [yr]	Shell Beach U [mph]	New Canal U [mph]	NHC U [mph]
1	37.3	32.4	-
2	40.7	36.3	38.3
5	45.8	42.1	86.4
7.5	-	-	100.2
10	-	-	109.2
25	-	-	134.7
50	-	-	151.9
100	-	-	167.9

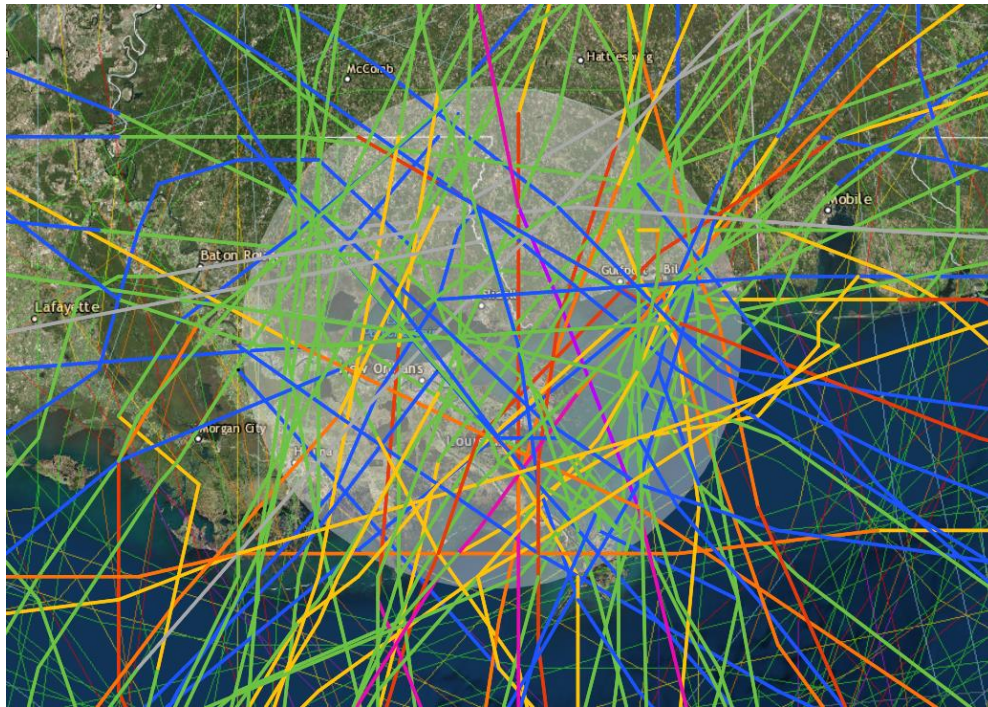


Figure 5 All Storms Passing within 75 Nautical Miles (shaded grey circle represents 75 nautical miles) of the Project Site.

For comparison purposes, Table 7 shows the Saffir-Simpson Hurricane Wind Scale, the corresponding averaged wind speed, and the return period at the project site.

Table 7 Saffir-Simpson Hurricane Wind Scale and return period at the project site.

Storm Category	Avg. Speed U [mph]	Return Period [yr]
Category 1	84	8
Category 2	103	18
Category 3	120	31
Category 4	143	65
Category 5	156	170

4 Waves

Wave modeling was conducted to transform waves from offshore to the project shoreline. Wave modeling was conducted using the SWAN model. SWAN (Delft University of Technology, 2012) is a 2-D, spectral (phase-averaged) wave transformation model that can be used to generate wind-waves and transform wave conditions to the nearshore project area. SWAN wave modeling was conducted in stationary mode.

The wave modeling grid is 48.5 mi (78.0 km) long and 25.9 mi (41.7 km) wide. On the x and y directions, the grid uses variable spacing where 500 m grid cells are used away from the Project Site, deeper water in Lake Pontchartrain, and on areas that do not influence waves. Resolution is increased to 15 m in the nearshore throughout Lake Catherine and Project Area 1.

The CPRA master plan (MP) mesh bathymetry (Arcadis, 2017) was used in the wave model. The overall bathymetric surface and grid extents are shown in Figure 6. The bathymetry at the project site is shown on Figure 7.

A sensitivity analysis of different bathymetry sources including the MP mesh, SL15 mesh (Dietrich, et al., 2010), NOAA Digital Elevation Model, and survey data provided by CPRA (Chustz Surveying, 2017) was conducted. After the necessary datum adjustments, disagreements were observed between SL15, Arcadis, NOAA, and MP bathymetric data sets by in some cases up to 3 ft in the vicinity of the project features and nearby water bottoms. The most conservative bathymetric data was found to be the MP mesh; hence, it was used in the analysis. Due to the shallow bathymetry at the project site, a more extensive bathymetric survey is recommended for more accurate results.

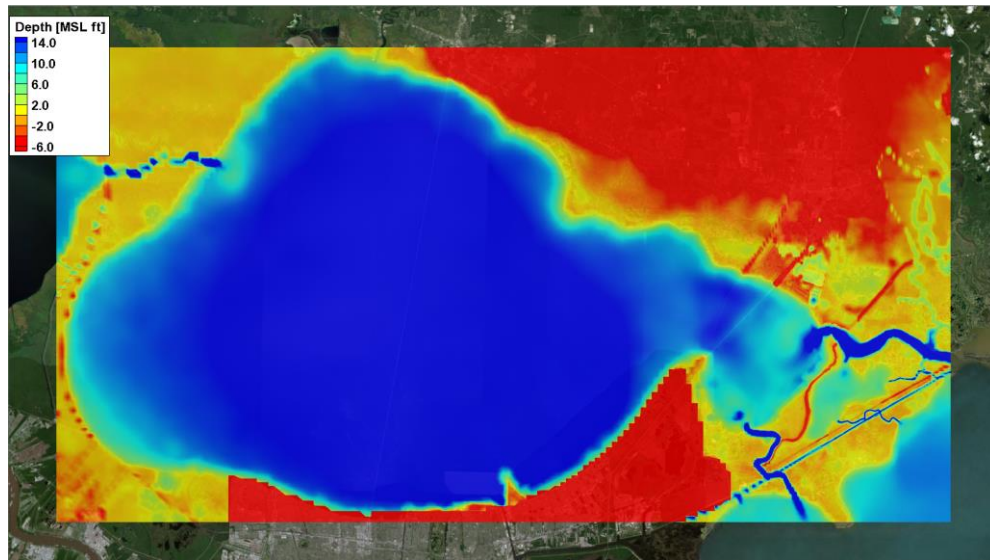


Figure 6 Overall wave model grid extents and bathymetric surface

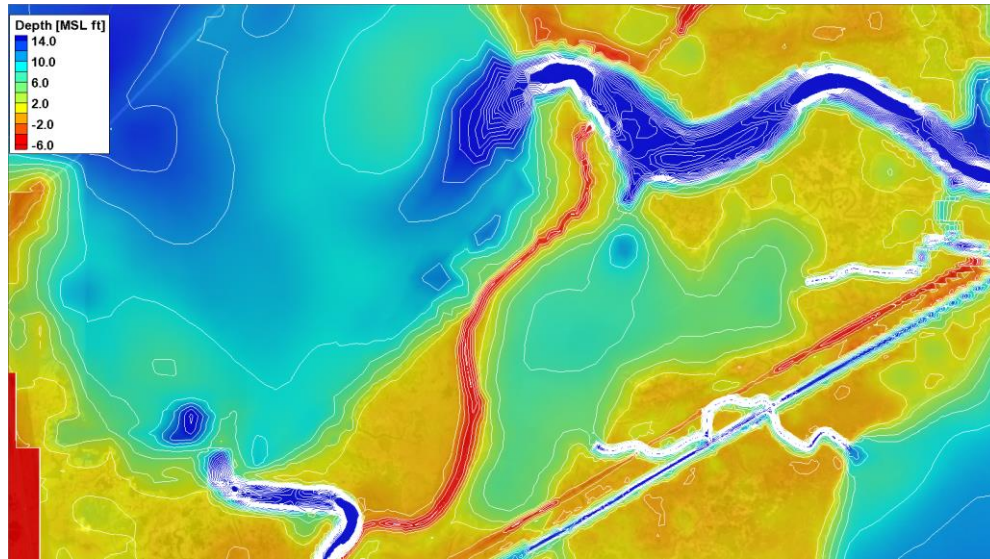


Figure 7 Project site wave model bathymetric surface

Nearshore waves were modeled for 1-yr, 2-yr, 5-yr return period events. A summary of design conditions for wave modeling are shown in Table 8. The wind speed values correspond to the extremal waves for New Canal NOAA gage station. The storm tide values for Project Area 1 in Lake Pontchartrain correspond to New Canal NOAA gage station, where storm tide data is the sum of extreme values provided in Table 4 and mean higher high water level. The storm tide values for Project Areas 2, 3, and 4 correspond to Rigolets USGS gage station where storm tide data are extreme values calculated from the raw data (meteorological and astronomical components are included). The design conditions are provided on Table 8.

To assess the nearshore wave climate variability associated with wind direction, each wind speed was modeled from all direction associated with a 16-point compass: N (0°), NNE (22.5°), NE (45°), ENE (67.5°), E (90°), ESE (112.5°), SE (135°), SSE (157.5°), S (180°), SSW (202.5°), SW (225°), WSW (247.5°), W (270°), WNW (292.5°), NW (315°), and NNW (337.5°).

Table 8 Wave model inputs for design conditions

Return Period [years]	Wind Speed [mph]*	Project Area 1 Storm Tide [ft NAVD]	Project Area 2, 3, 4 Storm Tide [ft NAVD]
1	32.4	3.1	2.9
2	36.2	3.6	3.1
5	42.1	4.4	3.8

* All wind speeds were modeled from 16-point-compass directions

Design condition maximum significant wave height results, using the water surface elevation from the New Canal gage at the project site are shown in Figure 8, Figure 9, and Figure 10. Design condition maximum significant wave height results, using the water surface elevation from the Rigolets gage, at the project site are shown in Figure 11, Figure 12, and Figure 13. The figures represent the overall max at each location encompassing all wind directions. For comparison purposes, the significant wave height scales have been maintained equal for all figures. For each design condition (1-yr, 2-yr, and 5-yr), maximum significant wave heights were extracted from the 16 wind direction modeling results at each point in the computational grid.

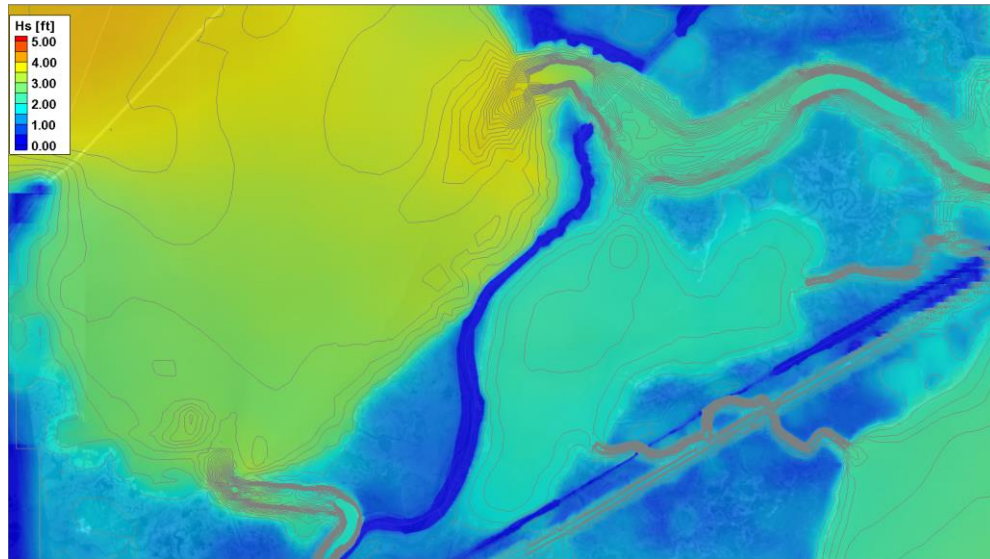


Figure 8 Maximum significant wave height for 1-yr conditions at project site using WSE data from the New Canal gage. Bathymetry shown on grey 2-ft contour lines.

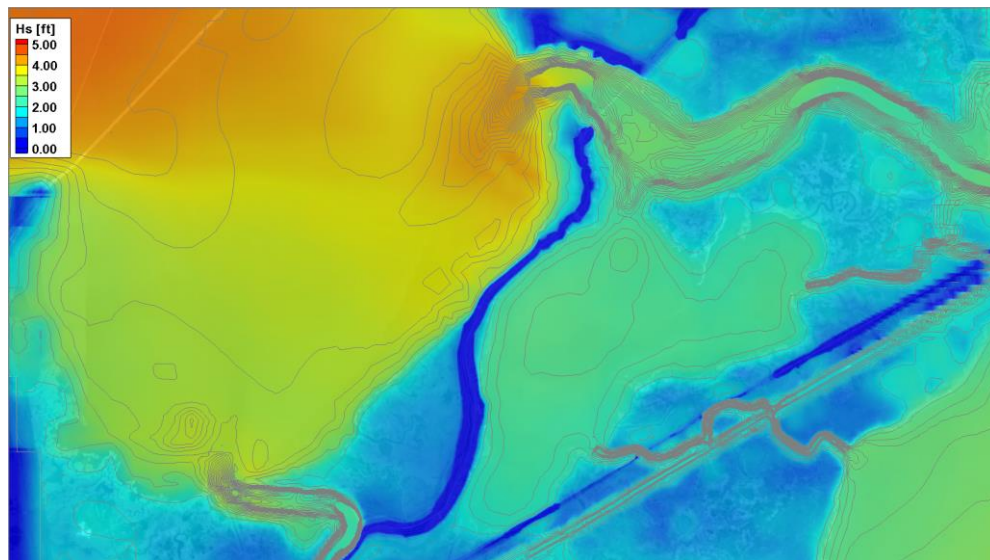


Figure 9 Maximum significant wave height for 2-yr conditions at project site using WSE data from the New Canal gage. Bathymetry shown on grey 2-ft contour lines.

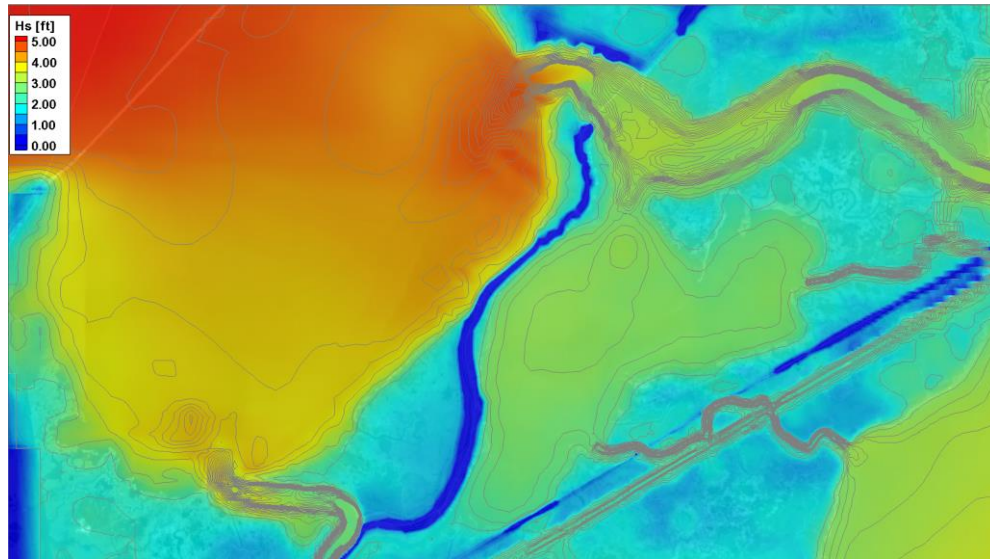


Figure 10 Maximum significant wave height for 5-yr conditions at project site using WSE data from the New Canal gage. Bathymetry shown on grey 2-ft contour lines.

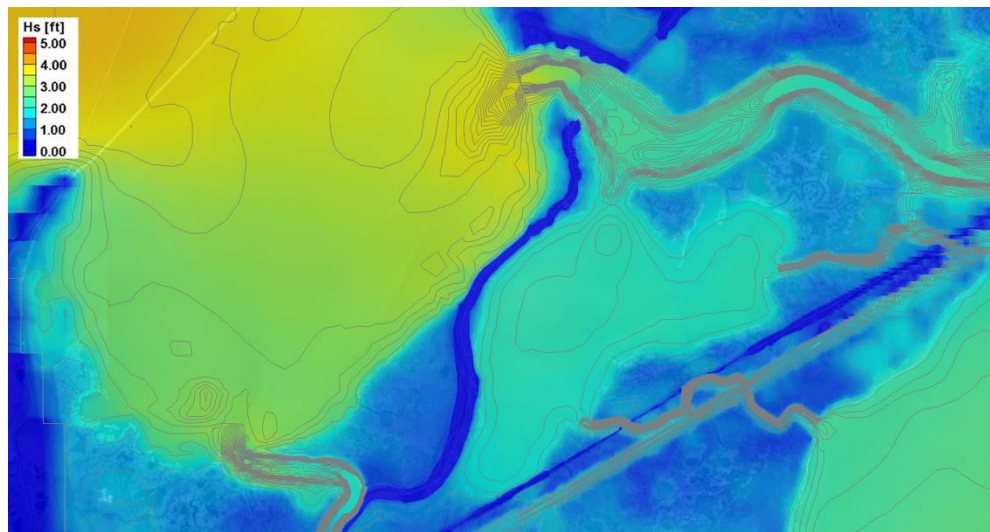


Figure 11 Maximum significant wave height for 1-yr conditions at project site using WSE data from the Rigolets gage. Bathymetry shown on grey 2-ft contour lines.

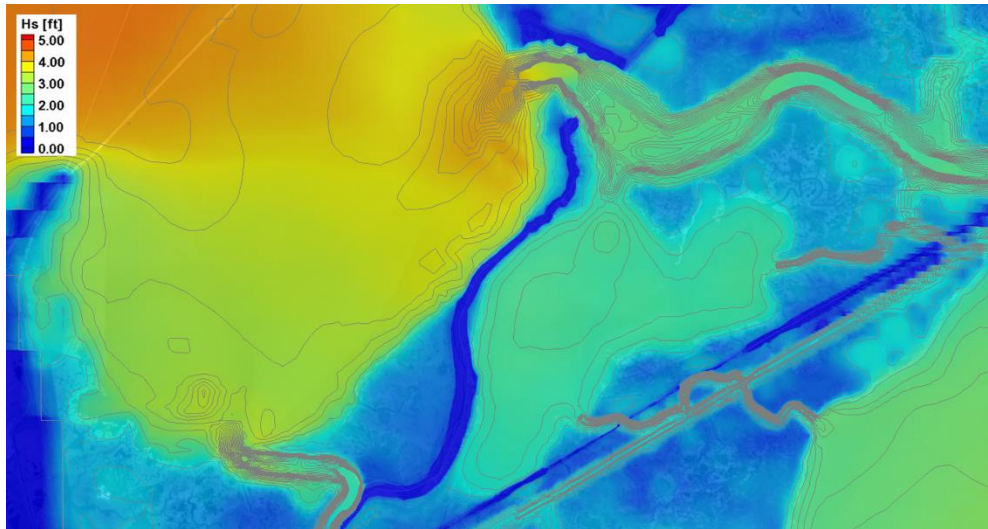


Figure 12 Maximum significant wave height for 2-yr conditions at project site using WSE data from the Rigolets gage. Bathymetry shown on grey 2-ft contour lines.

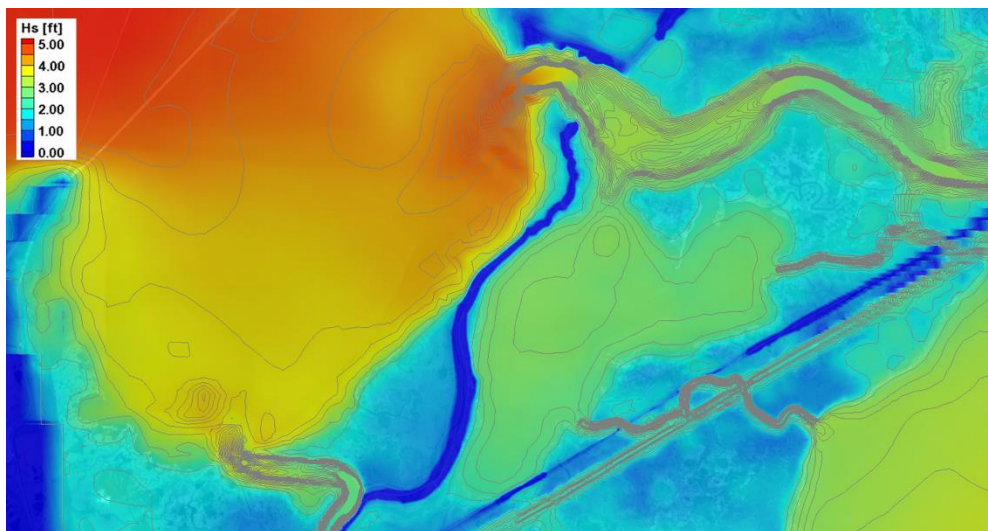


Figure 13 Maximum significant wave height for 5-yr conditions at project site using WSE data from the Rigolets gage. Bathymetry shown on grey 2-ft contour lines.

Maximum significant wave heights, shown on Table 9, were extracted at each Project Area, (see Figure 14). Extraction points were chosen at the point seaward of the majority of wave breaking, with depths of 3.0 ft MSL and 6.6 ft MSL for Lake Catherine and Lake Pontchartrain, respectively. Overall, higher wave heights are observed on Lake Pontchartrain Project Area 1 compare to Lake Catherine Project Areas 2, 3, and 4. Higher wave heights are associated with Lake Pontchartrain long fetch. Maximum wave heights are observed to be fairly uniform throughout Lake Catherine.

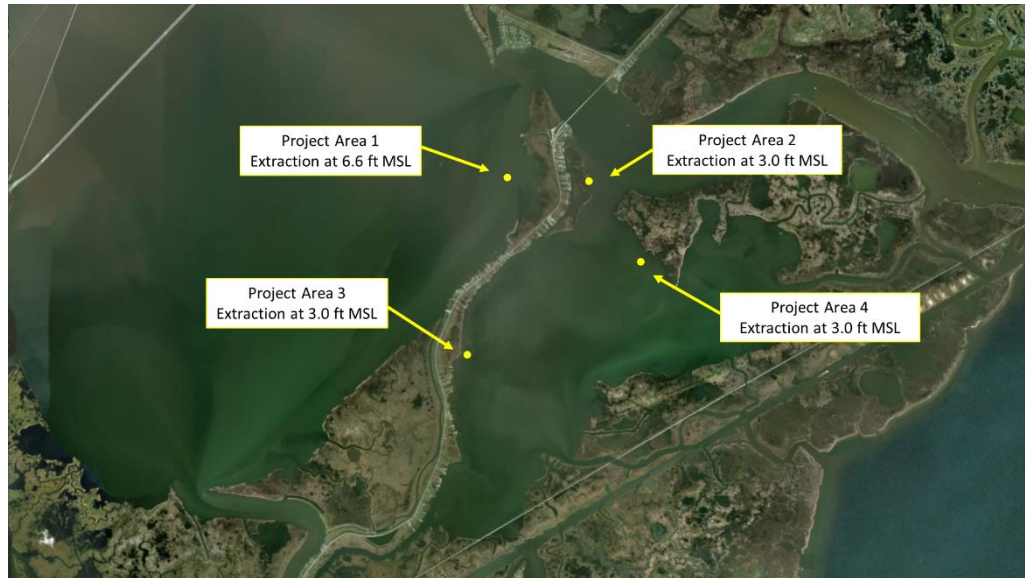


Figure 14 Extraction points at each Project Area.

Table 9 Maximum significant wave height at each Project Area.

	Project Area 1 Max Hs [ft]	Project Area 2 Max Hs [ft]	Project Area 3 Max Hs [ft]	Project Area 4 Max Hs [ft]
1yr	3.5	1.8	1.8	1.7
2yr	3.9	2.1	2.1	2.0
5yr	4.4	2.6	2.5	2.5

Significant wave heights and peak periods at each Project Area for all 16 wind directions for 1-, 2-, and 5-yr wind speeds are shown on Table 10, Table 11, and Table 12. For a given wind speed, peak wave periods vary slightly when looking at the Lake Catherine project areas; peak wave periods on Lake Pontchartrain have a wider range. The largest variation in wave height for a given wind speed was observed on Project Area 1; different wind directions are associated with different fetches leading to different wave heights. Lake Pontchartrain provides a 41 mi long fetch compared to 4.4 mi long fetch at Lake Catherine; hence more variation in wave heights and periods is observed on Lake Pontchartrain.

Table 10 Significant wave height and peak period at each Project Area for 1-yr wind speed and all 16 directions where the wind comes from. Maximum Hs underlined in bold.

1-yr	Project Area 1		Project Area 2		Project Area 3		Project Area 4	
Wind Dir. [from TN]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]
0°	2.2	3.3	1.4	2.6	1.3	2.9	1.5	2.6
22.5°	1.7	2.6	1.6	2.6	1.5	3.3	1.5	2.4
45°	1.4	2.4	1.7	2.6	1.6	3.3	1.4	2.1
67.5°	1.3	1.9	<u>1.8</u>	2.9	1.7	2.9	1.4	2.4
90°	1.2	1.8	<u>1.8</u>	2.9	<u>1.8</u>	2.9	1.4	2.4
112.5°	1.1	1.8	<u>1.8</u>	2.9	1.8	2.6	1.5	2.6
135°	1.1	1.9	1.7	2.9	1.6	2.6	1.5	2.6
157.5°	1.3	1.9	1.6	2.6	1.5	2.6	1.6	2.6
180°	1.6	2.9	1.4	2.4	1.3	2.4	<u>1.7</u>	2.6
202.5°	2.0	3.6	1.3	2.6	1.1	2.4	<u>1.7</u>	2.6
225°	2.6	4.0	1.1	2.4	1.0	2.1	<u>1.7</u>	2.6
247.5°	3.1	4.0	1.0	1.9	0.8	1.5	1.6	2.9
270°	<u>3.5</u>	4.0	0.9	1.5	0.7	1.4	1.6	2.6
292.5°	3.4	4.5	0.9	1.7	0.7	1.5	1.5	2.4
315°	3.1	4.5	1.0	1.9	0.8	1.5	1.4	2.1
337.5°	2.7	4.0	1.2	2.1	1.1	2.3	1.5	2.6

Table 11 Significant wave height and peak period at each Project Area for 2-yr wind speed and all 16 directions where the wind comes from. Maximum Hs underlined in bold.

2-yr	Project Area 1		Project Area 2		Project Area 3		Project Area 4	
Wind Dir. [from TN]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]
0°	2.5	3.3	1.6	2.6	1.5	2.9	1.7	2.6
22.5°	2.0	2.9	1.8	2.9	1.7	3.3	1.7	2.6
45°	1.7	2.6	1.9	2.9	1.8	3.3	1.6	2.4
67.5°	1.5	2.4	2.0	3.3	2.0	3.3	1.5	2.4
90°	1.4	1.9	2.1	3.3	<u>2.1</u>	2.9	1.6	2.6
112.5°	1.3	1.9	<u>2.1</u>	2.9	2.0	2.9	1.6	2.6
135°	1.3	1.9	2.0	2.9	1.9	2.9	1.8	2.6
157.5°	1.6	2.1	1.8	2.6	1.7	2.6	1.9	2.9
180°	1.9	3.3	1.6	2.4	1.5	2.6	1.9	2.9
202.5°	2.3	3.6	1.5	2.6	1.3	2.4	<u>2.0</u>	2.9
225°	3.0	4.0	1.3	2.4	1.1	1.7	2.0	2.6
247.5°	3.6	4.5	1.2	2.1	1.0	1.5	1.9	2.9
270°	3.9	4.0	1.1	1.7	0.9	1.5	1.8	2.6
292.5°	<u>3.9</u>	4.5	1.1	1.7	0.9	1.5	1.7	2.4
315°	3.6	4.5	1.2	1.9	1.0	1.7	1.6	2.4
337.5°	3.1	4.5	1.4	2.4	1.2	1.9	1.7	2.6

Table 12 Significant wave height and peak period at each Project Area for 5-yr wind speed and all 16 directions where the wind comes from. Maximum Hs underlined in bold.

5-yr	Project Area 1		Project Area 2		Project Area 3		Project Area 4	
Wind Dir. [from TN]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]	Hs [ft]	Tp [sec]
0°	3.1	3.6	2.0	2.9	1.8	3.3	2.2	2.9
22.5°	2.4	3.3	2.2	3.3	2.0	3.6	2.2	2.9
45°	2.1	2.9	2.4	2.9	2.3	3.6	2.0	2.6
67.5°	1.9	2.6	2.5	3.6	<u>2.5</u>	3.3	1.9	2.6
90°	1.7	2.1	<u>2.6</u>	3.6	<u>2.5</u>	3.3	2.0	2.9
112.5°	1.6	2.1	2.6	3.3	<u>2.5</u>	3.3	2.1	2.9
135°	1.6	2.1	2.5	3.3	2.3	3.3	2.2	2.9
157.5°	1.9	2.4	2.3	2.9	2.1	2.9	2.3	3.3
180°	2.3	3.6	2.0	2.9	1.9	2.9	2.4	3.3
202.5°	2.9	4.0	1.8	3.3	1.7	2.8	<u>2.5</u>	3.3
225°	3.6	4.5	1.6	2.9	1.4	2.4	2.5	3.2
247.5°	4.2	5.0	1.5	2.1	1.2	1.7	2.3	3.3
270°	<u>4.4</u>	4.5	1.4	1.7	1.1	1.7	2.2	2.9
292.5°	<u>4.4</u>	4.5	1.3	1.9	1.1	1.7	2.0	2.6
315°	4.2	4.5	1.4	2.1	1.2	1.9	2.0	2.6
337.5°	3.8	4.5	1.7	2.6	1.5	2.1	2.2	2.9

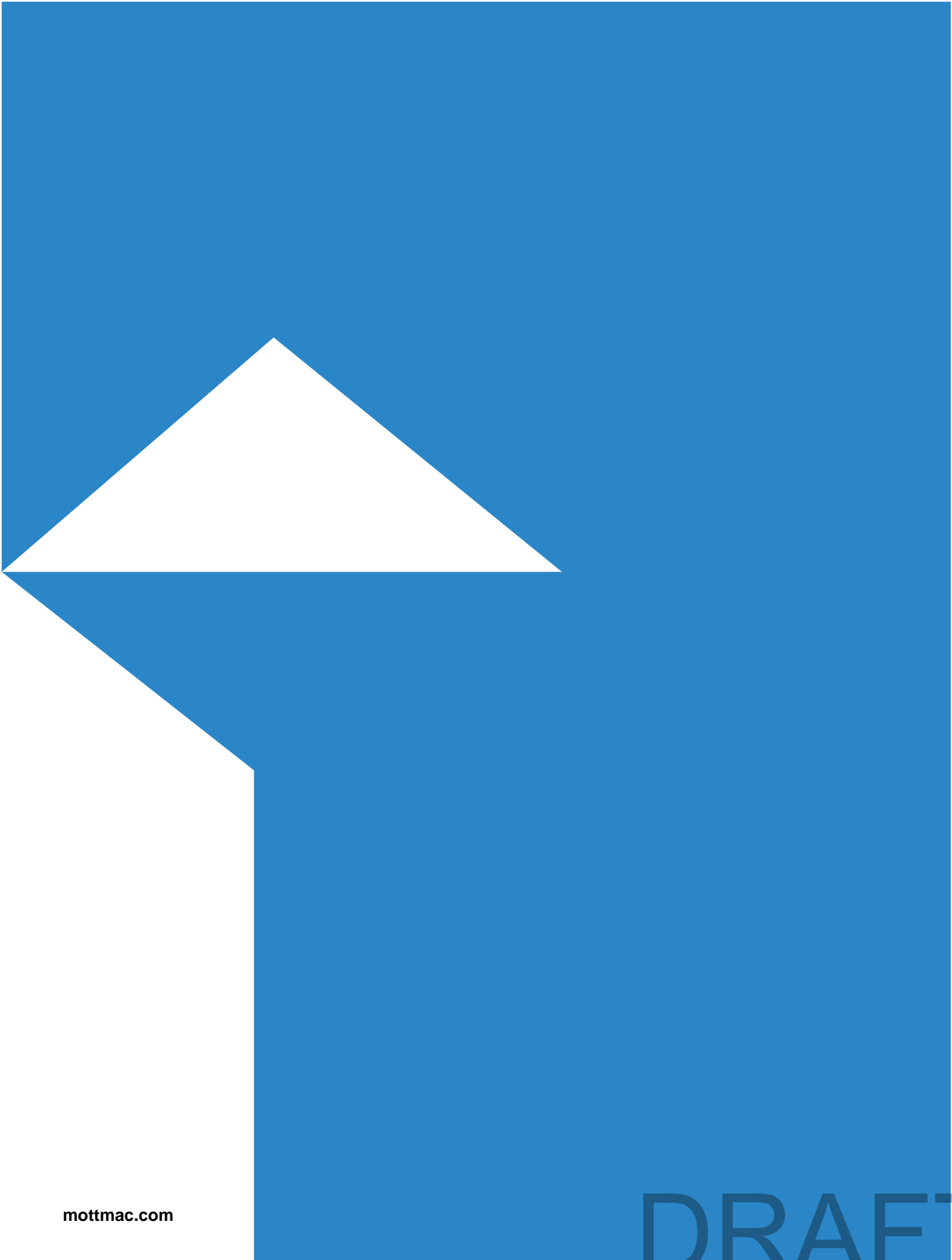
5 Conclusions and Recommendations

The work undertaken has concluded the following:

- Due to the proximity to the project and similar conditions, the wind data associated with NOAA New Canal gaging station was used as basis of design. NOAA New Canal gage WSE was applied to Project Area 1 while USGS Rigolets WSE was applied to Project Areas 2, 3, and 4.
- The most conservative available bathymetric data set, Arcadis CPRA master plan mesh bathymetry, was used in the analysis. For more accurate results, an updated and more extensive bathymetric survey data collection is recommended.
- At Project Area 1, a 5-year return period storm tide corresponding to 4.4 ft would produce greenwater overtopping over the proposed +3.5 ft top of dike elevation.
- When considering the contribution of a 5-year event at Lake Catherine including the 5-year wave height and 5-year storm tide at Project Area 2 equal to 2.6 ft and 3.8 ft, respectively, the proposed dike elevation of +3.5 ft is expected to be overtopped with unbroken waves.
- Because different wave heights are observed at different Project Areas, particularly between Lake Pontchartrain and Lake Catherine, a single containment dike design for all sites may not be the optimum solution. It is recommended to tailor the containment dike design using the pertinent wave height and wave period for the given Project Area.

6 References

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Appendix VI – Perimeter Dike Proposed Construction Sequence

DRAFT

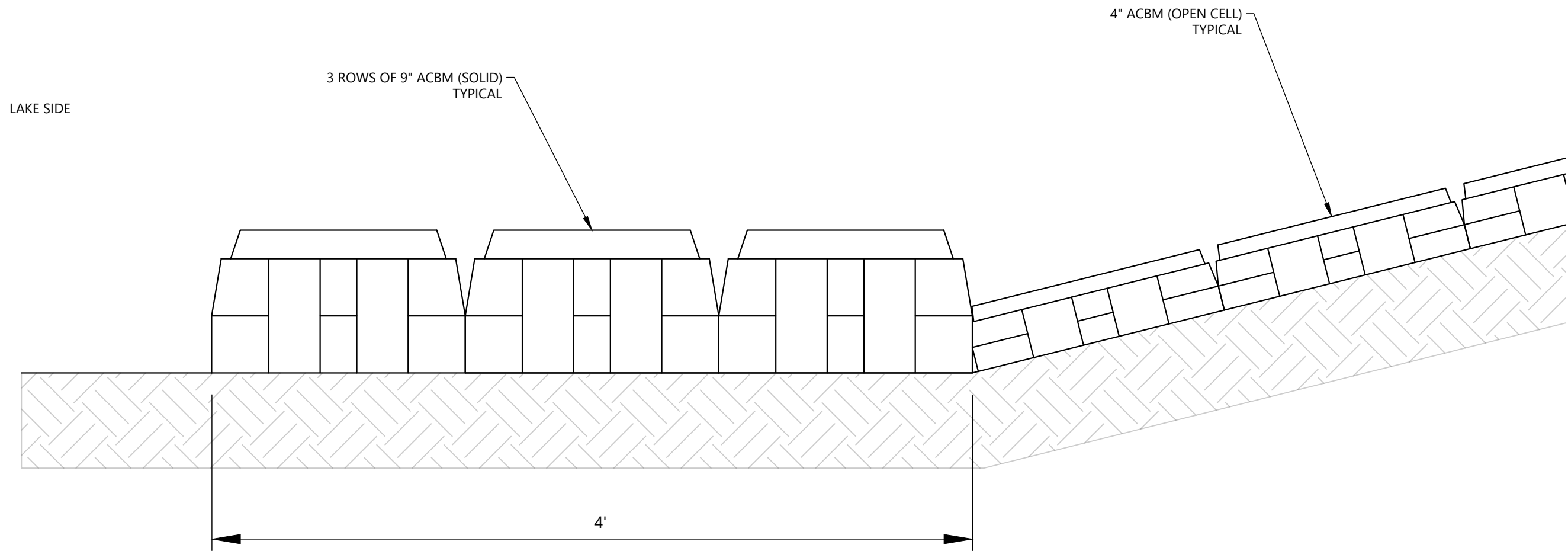


NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

VI-1A

VI-1A

Drawing path: C:\Users\ywilliamson\Desktop\Perimeter Dike Proposed Construction.dwg



DETAIL SECTION A

NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION AND MARSH CREATION (PO-169)

ORLEANS PARISH, LOUISIANA

SCALE:

NTS

DATE:

05/03/2018

PROJECT NUMBER

4585-17-006

FIGURE NO.

VI-1B

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