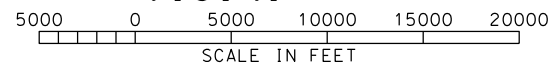
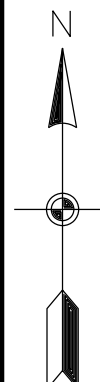


VICINITY MAP



MAPS COPYRIGHT "THE ROADS OF LOUISIANA". SHEARER PUBLISHING

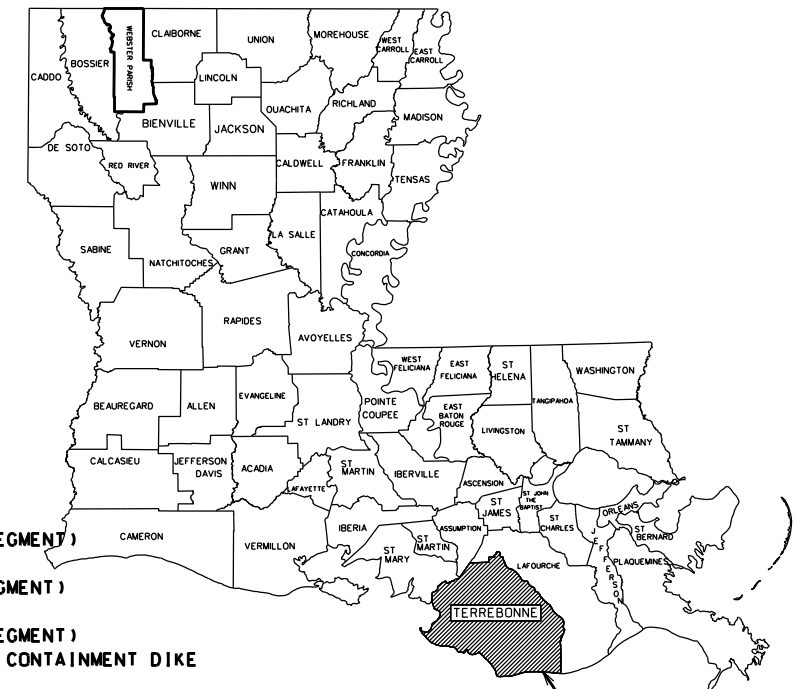
WEST LAKE BOUDREAUX
SHORELINE PROTECTION AND MARSH CREATION
PROJECT TE-46
BUILT UNDER
COASTAL WETLANDS, PLANNING, PROTECTION AND RESTORATION ACT
PUBLIC LAW 101-646
BY THE
UNITED STATES FISH AND WILDLIFE SERVICE
OF THE
UNITED STATES DEPARTMENT OF INTERIOR
WITH THE ASSISTANCE OF
NATURAL RESOURCES CONSERVATION SERVICE
OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE



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"AS-BUILT"



LOCATION IN LOUISIANA
TERREBONNE PARISH

"AS-BUILT PLANS"

SUBMITTED BY: WARREN J BLANCHARD 10/11/2011
GOVERNMENT REPRESENTATIVE DATE

APPROVED BY: ASSISTANT STATE CONSERVATION ENGINEER DATE
MARI GILFORD 07/27/2012
STATE CONSERVATION ENGINEER DATE

CONTRACT NO. AG-7217-G-07-0110 DATE
CONTRACTOR INLAND DREDGING COMPANY LLC
INSPECTOR _____
DATE OF COMPLETION _____

REVISIONS		
NO.	DATE	TITLE

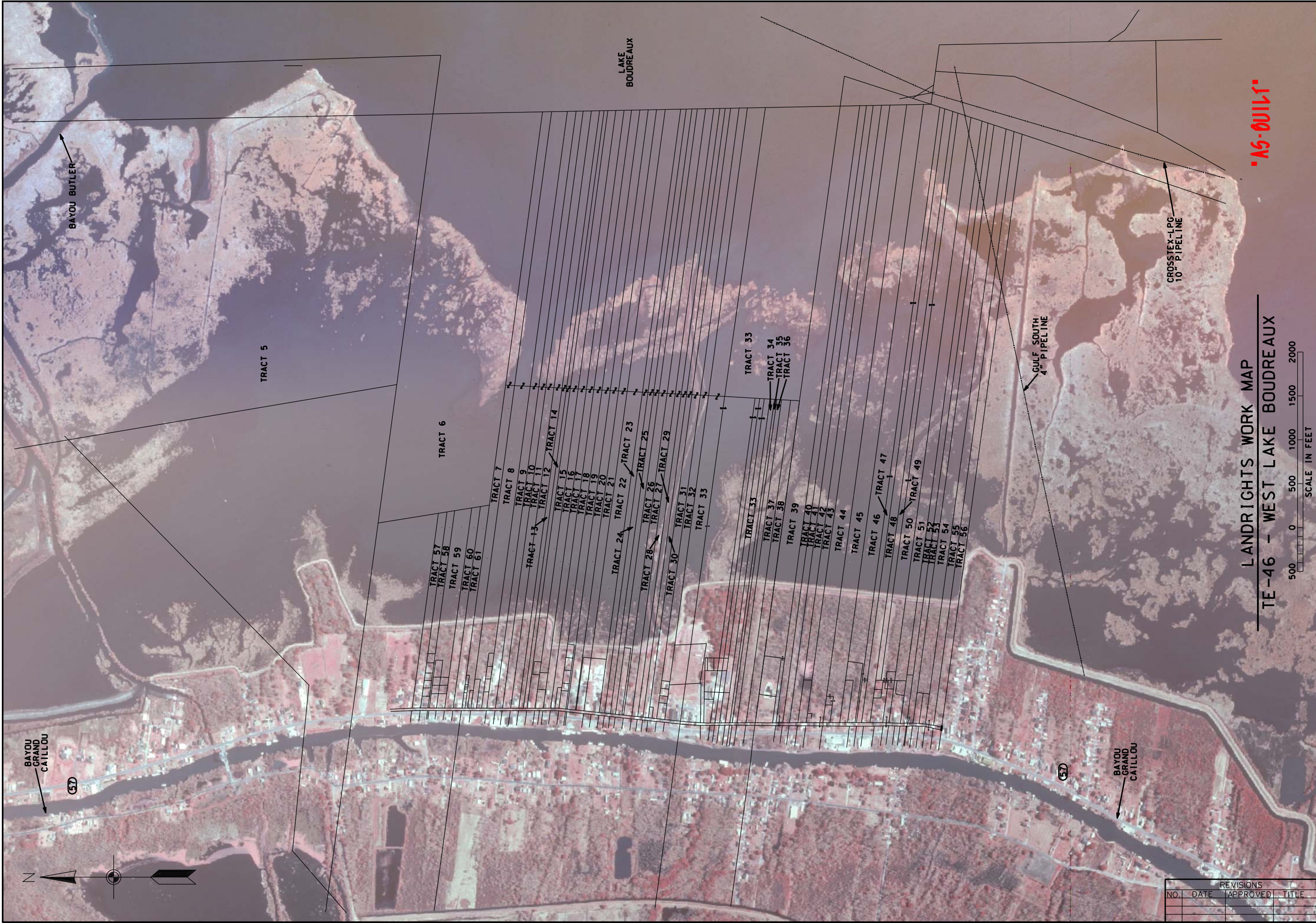
DESIGNED	DRAWN	CHECKED	APPROVED	DATE
R. FAULKNER <td>A.-J. GREMILLION <td>B.-A. STICKER <td>E.-J. GIERING III <td>01/05</td> </td></td></td>	A.-J. GREMILLION <td>B.-A. STICKER <td>E.-J. GIERING III <td>01/05</td> </td></td>	B.-A. STICKER <td>E.-J. GIERING III <td>01/05</td> </td>	E.-J. GIERING III <td>01/05</td>	01/05
				01/05
				06/06
				12/06

COVER SHEET
 TE-46 - WEST LAKE BOUDREAUX
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



FILE NAME
LA-346

DRAWING NAME
LA346001.dgn

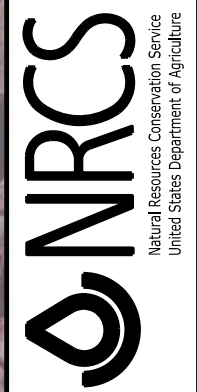


LANDRIGHTS WORK MAP
 TE-46 - WEST LAKE BOUDREAUX



DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. CREMILLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GIERING III		12/06

LANDRIGHTS MAP
 TE-46 - WEST LAKE BOUDREAUX
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



FILE NAME
 LA-346
 DRAWING NAME
 LA346002.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

TRACT #5	XXX
TRACT #6	XXX
TRACT #7	CLAUDE P. PRICE
TRACT #8	XXX
TRACT #9	Laura PORCHE AUTHEMENT
TRACT #10	LARRY AUTHEMENT
TRACT #11	PEGGY DUPLANTIS,ET AL
TRACT #12	CALVIN J. AUTHEMENT
TRACT #13	CALVIN J. AUTHEMENT
TRACT #14	KIM A. DOMANGUE
TRACT #15	DEBORAH CARNEY HEBERT
TRACT #16	REINALDO R. BEAL
TRACT #17	ERIC J. CARLOS
TRACT #18	KENNIE DWIGHT MARYLAND
TRACT #19	WILSON DUPLANTIS
TRACT #20	THE CONGREGATION OF THE H
TRACT #21	ROBERT J. BOUDREAU, ET A
TRACT #22	ROBERT J. BOUDREAU, ET A
TRACT #23	CLEUS C. BERGERON SR.
TRACT #24	MRS. BERTHA A. BOUDREAU
TRACT #25	DUPLANTIS EXPLORATION, INC.
TRACT #26	EUNICE BLANCHARD VOISIN
TRACT #27	JAMES J. COLLINS, JR.,ET
TRACT #28	BRYAN W. VOISIN
TRACT #29	WESLEY JOHN FITCH
TRACT #30	YVONNE CHAUVIN AUTHEMENT
TRACT #31	SIDNEY HEBERT
TRACT #32	LAWRENCE LUKE
TRACT #33	LL&E/ BURLINGTON RESOURC
TRACT #34	ANTOINE H. BOURG
TRACT #35	JAMES J. CARLOS
TRACT #36	ESTATE OF JAMES J. CARLOS
TRACT #37	XXX
TRACT #38	XXX
TRACT #39	XXX
TRACT #40	ESTHER C. GUIDRY ET AL
TRACT #41	MOAH P. ORDOYNE
TRACT #42	PATRICIA CHARLES
TRACT #43	TRAVIS J. LUKE ET AL
TRACT #44	XXX
TRACT #45	XXX
TRACT #46	XXX
TRACT #47	XXX
TRACT #48	ROBERT J. BOUDREAU, SR.
TRACT #49	XXX
TRACT #50	XXX
TRACT #51	RYAN PROPERTIES INC., ET
TRACT #52	RYAN PROPERTIES INC., ET
TRACT #53	JEROME JOSEPH FANGUY
TRACT #54	ABEL J. BOUDREAU, ET AL
TRACT #55	CAMILLE J. COLLINS
TRACT #56	EDDIE VOISIN, JR.
TRACT #57	GLYNN J. DUPLANTIS
TRACT #58	PERCY PETER DUPLANTIS
TRACT #59	XXX
TRACT #60	JESSIE C. SCOTT, ET AL
TRACT #61	WILBERT JOS. MARONGE

AS-BUILT

REVISIONS			
NO.	DATE	APPROVED	TITLE

FILE NAME
LA-346

DRAWING NAME
LA346003.dgn

SHEET 03 of 65



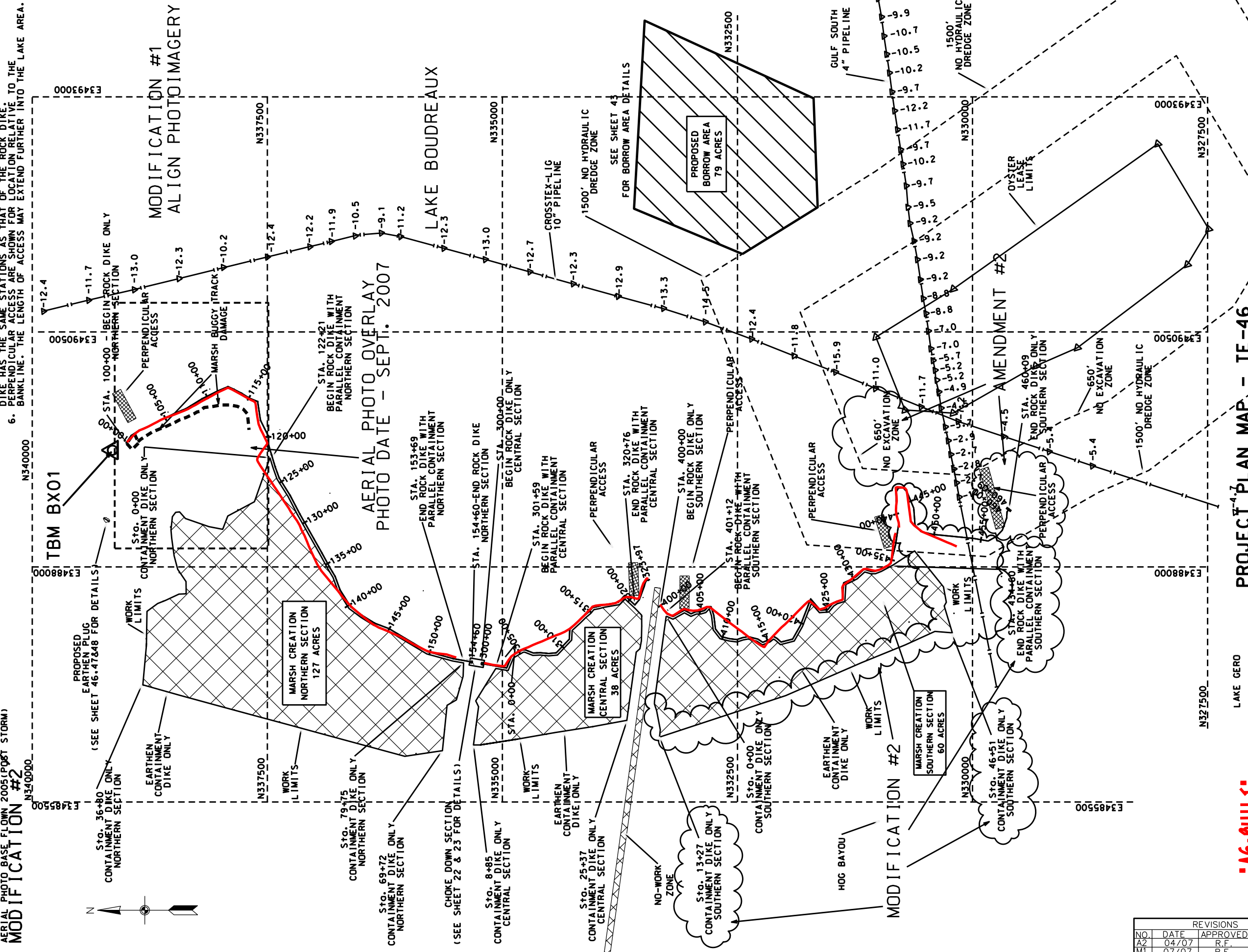
LANDOWNER LISTINGS
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. CREMLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GIERING III		12/06

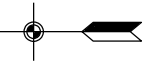
MODIFICATION #2

TBM	NORTHING	EASTING	ELEV.	DESCRIPTION
TBM BX01	339142.82	3489241.45	3.12	2" DIA. CROSS-TIE POST
TBM BX02	333444.62	3487037.07	3.02	2" DIA. CROSS-TIE POST

NOTES:
 1. SEE SHEETS 24-31, AND 35 FOR DETAILED MARSH CREATION PLANS.
 2. SEE SHEETS 5 THRU 19 FOR DETAILS OF ROCK DIKE WITH PARALLEL EARTHEN CONTAINMENT.
 3. THE NUMERICAL VALUE SHOWN NEXT TO THE PIPELINES ARE THE TOP OF PIPE ELEVATION.
 4. NO EXCAVATION WILL BE ALLOWED WITHIN 550' OF THE OYSTER LEASE LIMITS.
 5. THE EARTHEN CONTAINMENT DIKES ARE SHOWN WITH TWO STATIONINGS. THE EARTHEN CONTAINMENT DIKE ONLY STATIONS BEGIN AND END AT THE INTERSECTION OF THE ROCK DIKE. THE PARALLEL EARTHEN CONTAINMENT DIKE HAS THE SAME STATIONS AS THAT OF THE ROCK DIKE.
 6. PERPENDICULAR ACCESS ARE SHOWN FOR LOCATION RELATIVE TO THE BANKLINE. THE LENGTH OF ACCESS MAY EXTEND FURTHER INTO THE LAKE AREA.



HORIZONTAL DATUM: NAD83, LOUISIANA STATE COORDINATE SYSTEM SOUTH ZONE
 VERTICAL DATUM: NAVD83
 AERIAL PHOTO BASE FLOWN 2005 (POST STORM)
MODIFICATION #2



REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M1	07/07	R.F.	D.E.
M2	07/07	R.F.	D.E.

AS-BUILT

SCALE IN FEET
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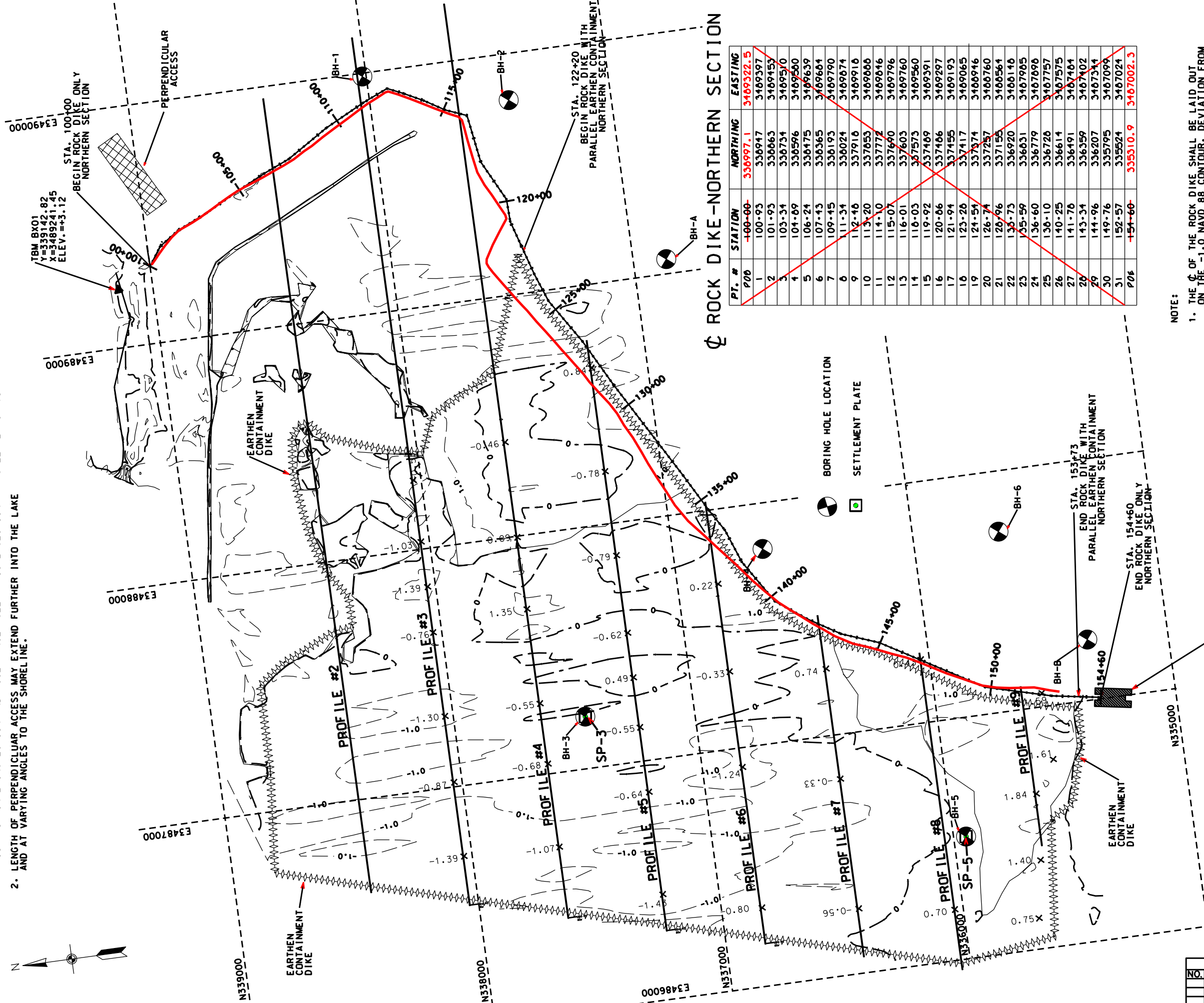
DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMILLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GIERING III		12/06

PROJECT PLAN MAP
 TE-46 - WEST LAKE BOUDREUX
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA

FILE NAME: LA-346
 DRAWING NAME: LA346004M2.dgn
 SHEET 04M2 of 65

NOTE:

1. MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL ON THE NORTHERN SECTION, FROM STA. 100+00 - STA. 122+20 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO FINAL INSPECTION AND ACCEPTANCE. SEE TYPICAL SECTION #4, SHEET 21 OF 65.
2. LENGTH OF PERPENDICULAR ACCESS MAY EXTEND FURTHER INTO THE LAKE AND AT VARYING ANGLES TO THE SHORELINE.



Ø ROCK DIKE - NORTHERN SECTION

PT. #	STATION	NORTHING	EASTING
P00	+100-00	336997.1	3469322.5
1	100-93	336947	3469397
2	101-93	336063	3469453
3	103-34	336734	3469570
4	104-09	336596	3469560
5	106-24	336475	3469639
6	107-43	336365	3469664
7	109-15	336193	3469790
8	111-34	336024	3469874
9	112-16	337916	3469916
10	113-20	337653	3469868
11	114-00	337772	3469816
12	115-07	337690	3469796
13	116-01	337603	3469760
14	116-03	337573	3469560
15	119-92	337469	3469391
16	120-06	337406	3469297
17	121-94	337455	3469193
18	123-20	337417	3469065
19	124-54	337374	3468946
20	126-74	337257	3468760
21	128-96	337156	3468564
22	130-73	336920	3468116
23	135-59	336031	3467985
24	136-60	336779	3467898
25	138-10	336726	3467757
26	140-25	336614	3467575
27	141-76	336491	3467484
28	143-34	336359	3467402
29	144-96	336207	3467344
30	149-76	335795	3467099
31	152-57	335524	3467024
P06	+154-60	335310.9	3467002.3

NOTE:

1. THE Ø OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.
3. THE TOPO SHOWN IS FROM PRE-HURRICANE SURVEYS. THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.
4. PT. NO. 1 THRU NO. 31 HAVE CHANGED DUE TO -1.0' CONTOUR. ALSO THE STATIONING HAS CHANGED ON THE ROCK DIKE.

WEST LAKE BOUDREAUX - ROCK DIKE
NORTHERN SECTION - PLAN VIEW



CHOKEDOWN SECTION (SEE SHEET 22 & 23 FOR DETAILS)

REVISIONS			
NO.	DATE	APPROVED	TITLE

AS-BUILT

PLAN VIEW-NORTHERN ROCK DIKE
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

File Name
LA-346

Drawing Name
LA346005.dgn

Sheet 05 of 65

Natural Resources Conservation Service
United States Department of Agriculture

Designed
R. FAULKNER

Drawn
A.J.J. GREMILLION

Checked
B.A. STICKER

Approved
E.J.J. GIERING III

Date
01/05

01/05

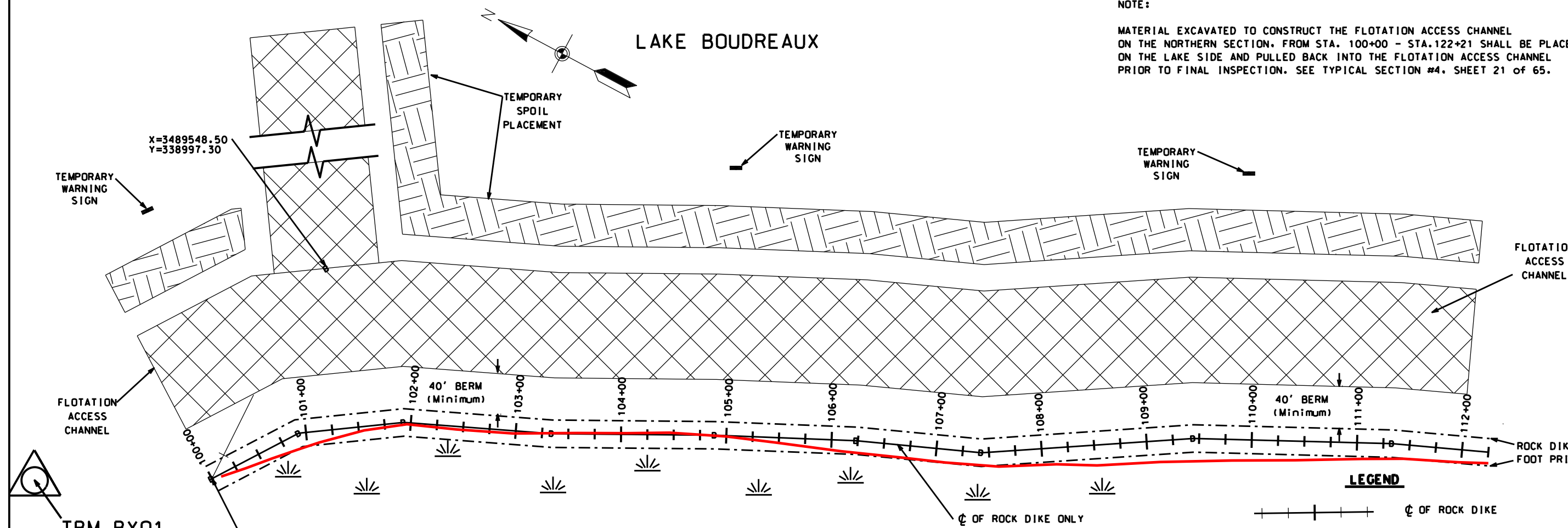
06/06

12/06

LAKE BOUDREAUX

NOTE:

MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL ON THE NORTHERN SECTION, FROM STA. 100+00 - STA. 122+21 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO FINAL INSPECTION. SEE TYPICAL SECTION #4, SHEET 21 of 65.



X=3489548.50
Y=338997.30

TEMPORARY WARNING SIGN

TEMPORARY SPOIL PLACEMENT

TEMPORARY WARNING SIGN

TEMPORARY WARNING SIGN

FLOTATION ACCESS CHANNEL

FLOTATION ACCESS CHANNEL

ROCK DIKE FOOT PRINT

STA. 100+00 - POB (BEGIN ROCK DIKE-NORTHERN SECTION)
N=338997.07, E=3489322.46
THIS POINT MAY BE ADJUSTED IN THE FIELD BY THE COTR.

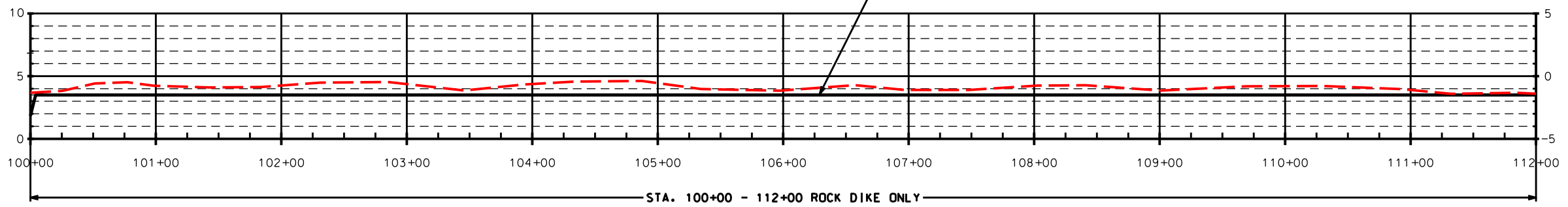
PLAN NORTHERN SECTION
STATION 100+00 - 112+00



LEGEND

- ϕ OF ROCK DIKE
- BORING HOLE LOCATION
- TOE OF ROCK DIKE
- SETTLEMENT PLATE
- FLOTATION ACCESS CHANNEL

FINISH TOP OF ROCK DIKE
ELEV. = +3.5



PROFILE - NORTHERN SECTION
STATION 100+00 - 112+00

NOTE:

1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

"AS-BUILT"

NOTE: STATIONING OF THE ROCK DIKE HAS CHANGED.

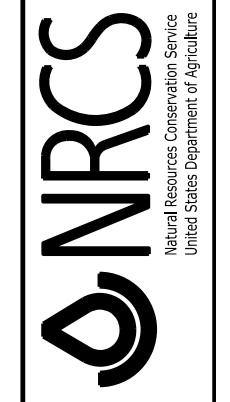
NOTE: TEMPORARY WARNING SIGNS SHALL BE PLACED IN THE FIELD AS CONCURRED IN BY THE COTR. SPACING SHALL NOT EXCEED 500'. SEE SHEET 45 of 65 FOR WARNING SIGN DETAILS.

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

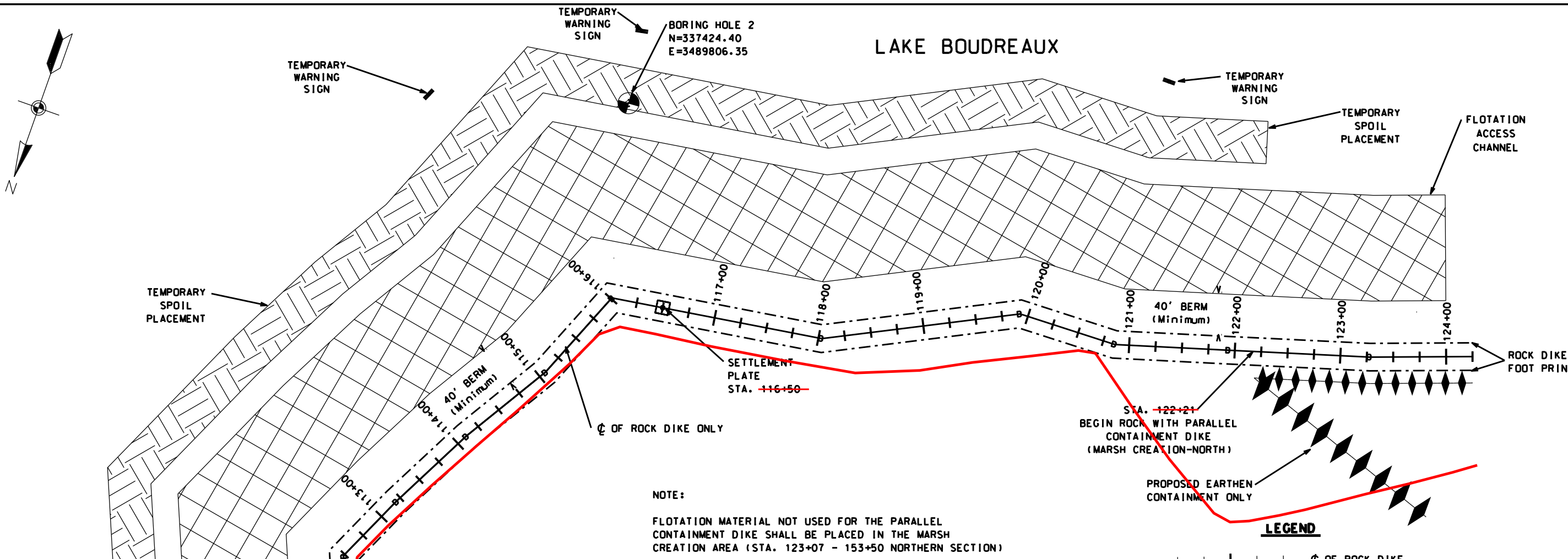
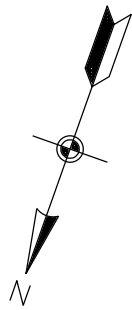
REVISIONS			
NO.	DATE	APPROVED	TITLE

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLION	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

PLAN & PROFILE-ROCK DIKE - NORTHERN SEC.
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346006.dgn
Sheet	06 of 65



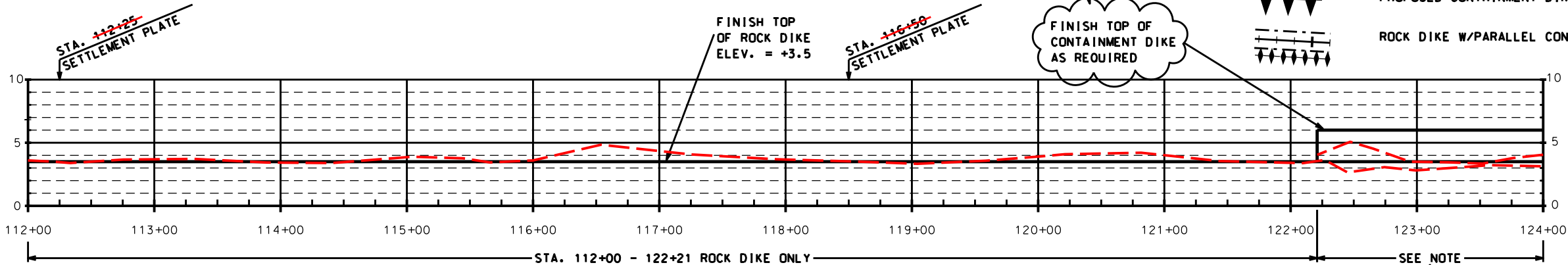
NOTE:
 FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA (STA. 123+07 - 153+50 NORTHERN SECTION)

**PLAN NORTHERN SECTION
 STATION 112+00 - 124+00**



AMENDMENT #2

FINISH TOP OF CONTAINMENT DIKE AS REQUIRED



- NOTE:
1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
 3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

**PROFILE - NORTHERN SECTION
 STATION 112+00 - 124+00**

NOTE: STATIONING OF THE ROCK DIKE HAS CHANGED.

NOTE:
 TEMPORARY WARNING SIGNS SHALL BE PLACED IN THE FIELD AS CONCURRED IN BY THE COTR. SPACING SHALL NOT EXCEED 500'. SEE SHEET 45 of 65 FOR WARNING SIGN DETAILS.

"AS-BUILT"

DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

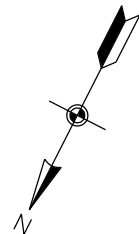
Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLION	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

PLAN & PROFILE - ROCK DIKE - NORTHERN SEC.
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



File Name
 LA-346

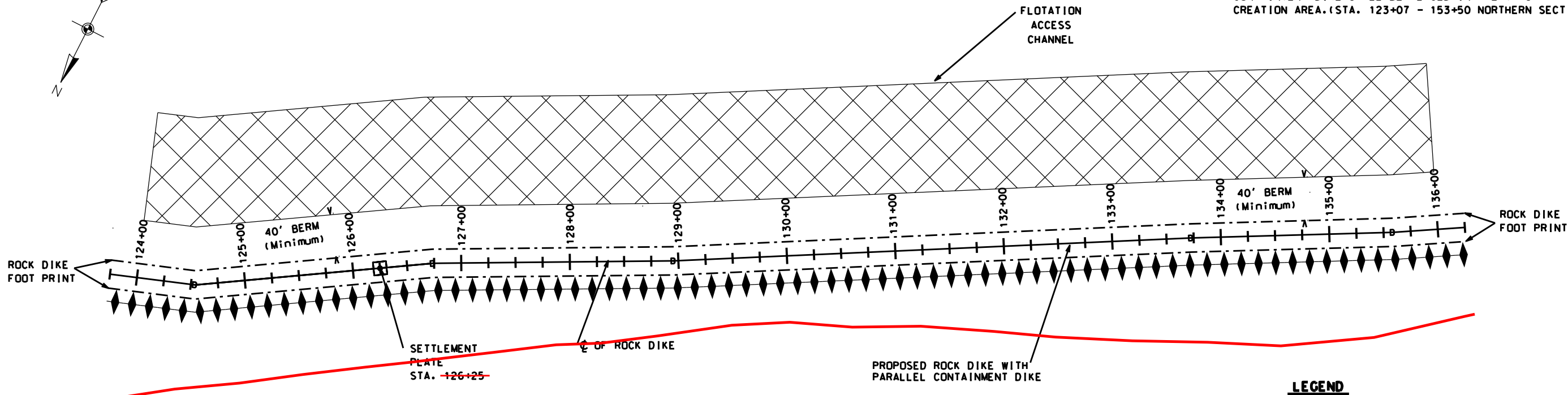
Drawing Name
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LAKE BOUDREUX

NOTE:

FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 123+07 - 153+50 NORTHERN SECTION)



PLAN NORTHERN SECTION
STATION 124+00 - 136+00



NOTE:

1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

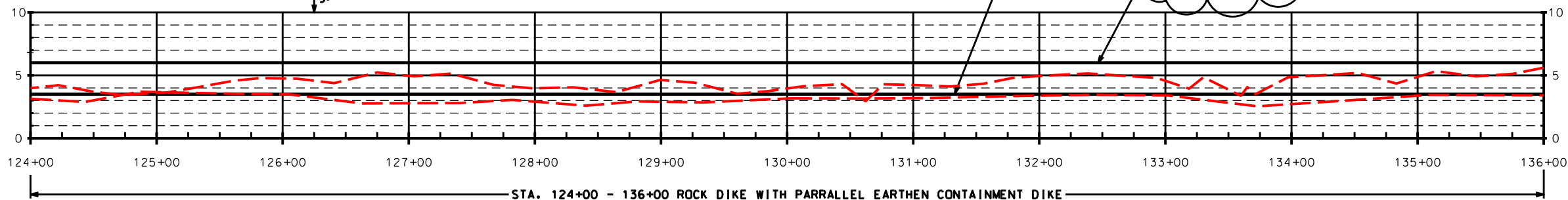
LEGEND

- ϕ OF ROCK DIKE
- BORING HOLE LOCATION
- TOE OF DIKE
- SETTLEMENT PLATE
- FLOTATION ACCESS CHANNEL
- PROPOSED CONTAINMENT DIKE ONLY
- ROCK DIKE W/PARALLEL CONTAINMENT DIKE

AMENDMENT #2

FINISH TOP OF ROCK DIKE ELEV. = +3.5

FINISH TOP OF CONTAINMENT DIKE AS REQUIRED



PROFILE - NORTHERN SECTION
STATION 124+00 - 136+00

"AS-BUILT"

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLION	A.J. GREMILLION	A.J. GREMILLION

PLAN & PROFILE-ROCK DIKE - NORTHERN SEC.
TE-46 - WEST LAKE BOUDREUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346

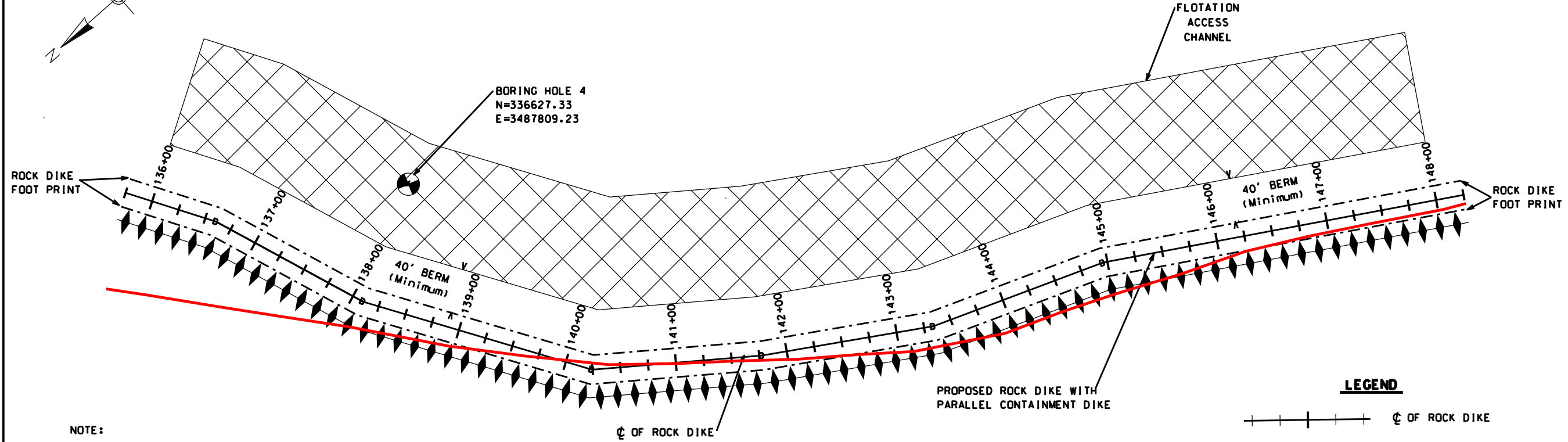
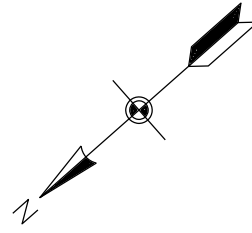
Drawing Name
LA346008A2.dgn

LAKE BOUDREAUX

NOTE:

FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 122+21 - 153+69 NORTHERN SECTION)

Date	01/05
Designed	R. FAULKNER
Drawn	A.J. GREMILLON
Checked	B.A. STICKER
Approved	E.J. GIERING III



- NOTE:
1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
 3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

PLAN NORTHERN SECTION STATION 136+00 - 148+00

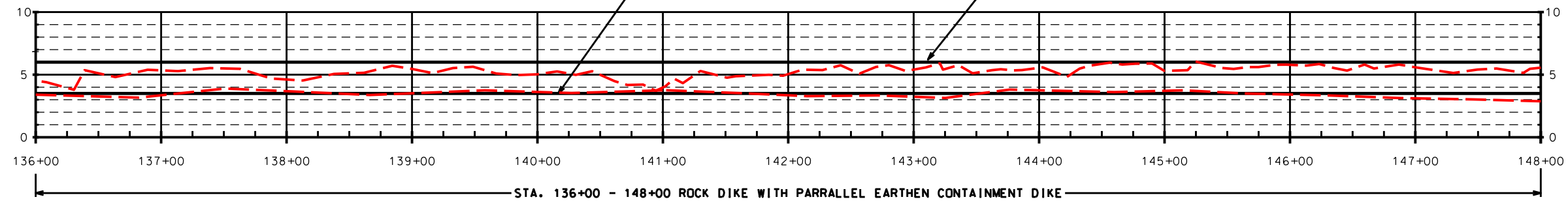


AMENDMENT #2

FINISH TOP OF CONTAINMENT DIKE AS REQUIRED

LEGEND

- ϕ OF ROCK DIKE
- BORING HOLE LOCATION
- TOE OF DIKE
- SETTLEMENT PLATE
- FLOTATION ACCESS CHANNEL
- PROPOSED CONTAINMENT DIKE ONLY
- ROCK DIKE W/PARALLEL CONTAINMENT DIKE



PROFILE - NORTHERN SECTION STATION 136+00 - 148+00

"AS-BUILT"

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

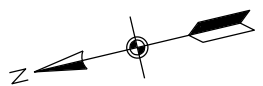
PLAN & PROFILE-ROCK DIKE - NORTHERN SEC.
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346

Drawing Name
LA346009A2.dgn

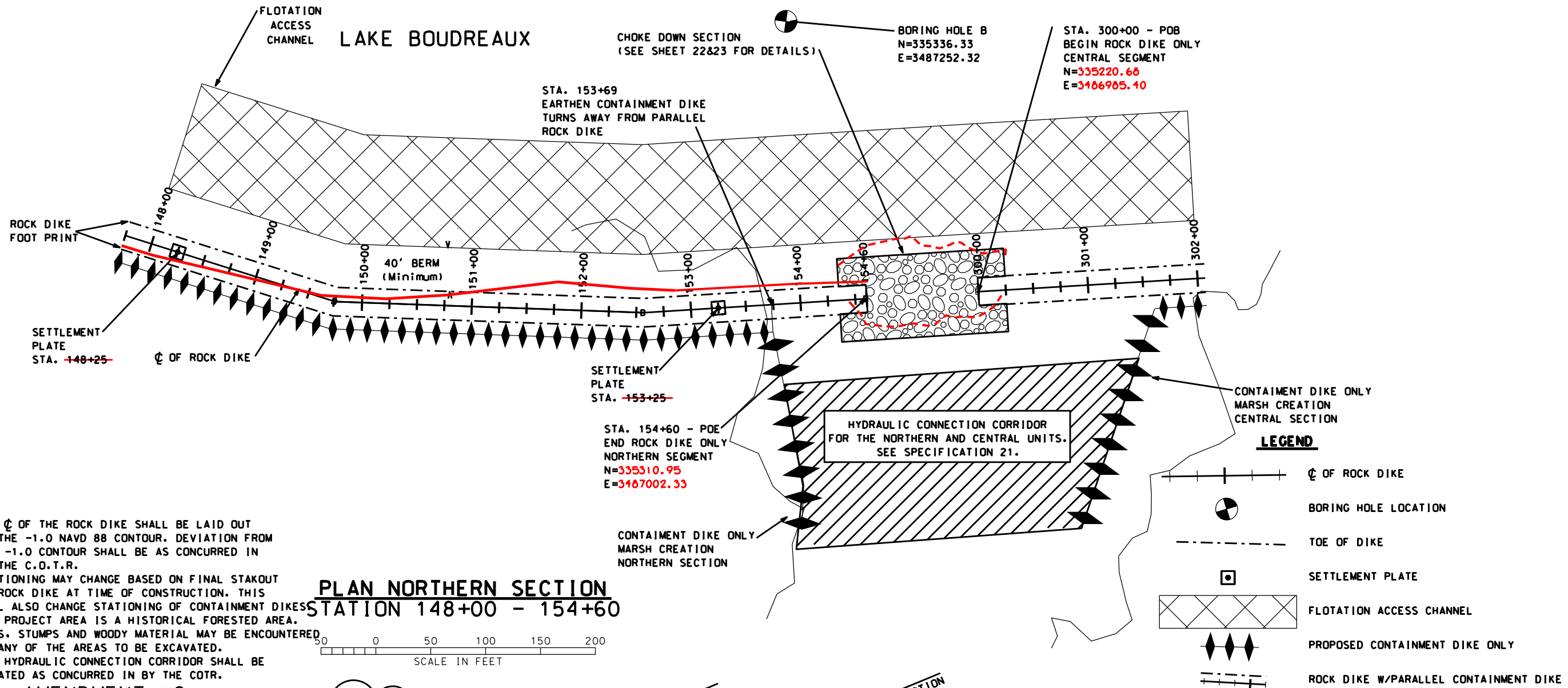
REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.



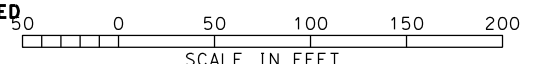
NOTE:

FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 122+21 - 153+69 NORTHERN SECTION)

TEMPORARY WARNING SIGN



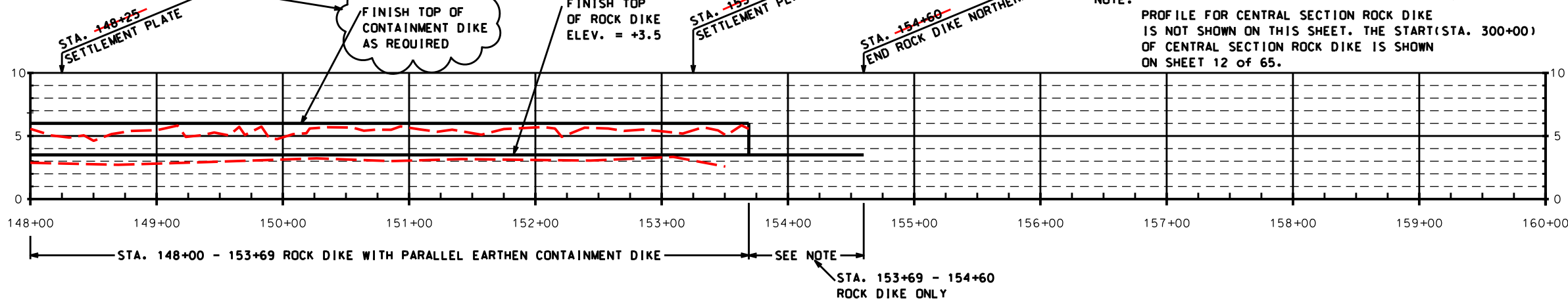
**PLAN NORTHERN SECTION
STATION 148+00 - 154+60**



NOTE:

1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.
4. THE HYDRAULIC CONNECTION CORRIDOR SHALL BE LOCATED AS CONCURRED IN BY THE COTR.

AMENDMENT #2



NOTE:

PROFILE FOR CENTRAL SECTION ROCK DIKE IS NOT SHOWN ON THIS SHEET. THE START (STA. 300+00) OF CENTRAL SECTION ROCK DIKE IS SHOWN ON SHEET 12 OF 65.

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

**PROFILE - NORTHERN SECTION
STATION 148+00 - 154+60**

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

NOTE: TEMPORARY WARNING SIGNS SHALL BE PLACED IN THE FIELD AS CONCURRED IN BY THE COTR. SPACING SHALL NOT EXCEED 500'. SEE SHEET 45 OF 65 FOR WARNING SIGN DETAILS.

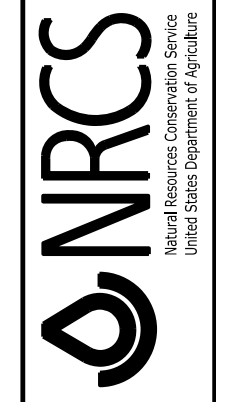
LEGEND

- ϕ OF ROCK DIKE
- BORING HOLE LOCATION
- TOE OF DIKE
- SETTLEMENT PLATE
- FLOTATION ACCESS CHANNEL
- PROPOSED CONTAINMENT DIKE ONLY
- ROCK DIKE W/PARALLEL CONTAINMENT DIKE

"AS-BUILT"

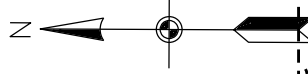
Date	01/05
Designed	R. FAULKNER
Drawn	A.J.J. GREMILLON
Checked	B.A. STICKER
Approved	E.J.J. GIERING III

PLAN & PROFILE - ROCK DIKE - NORTHERN SEG.
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



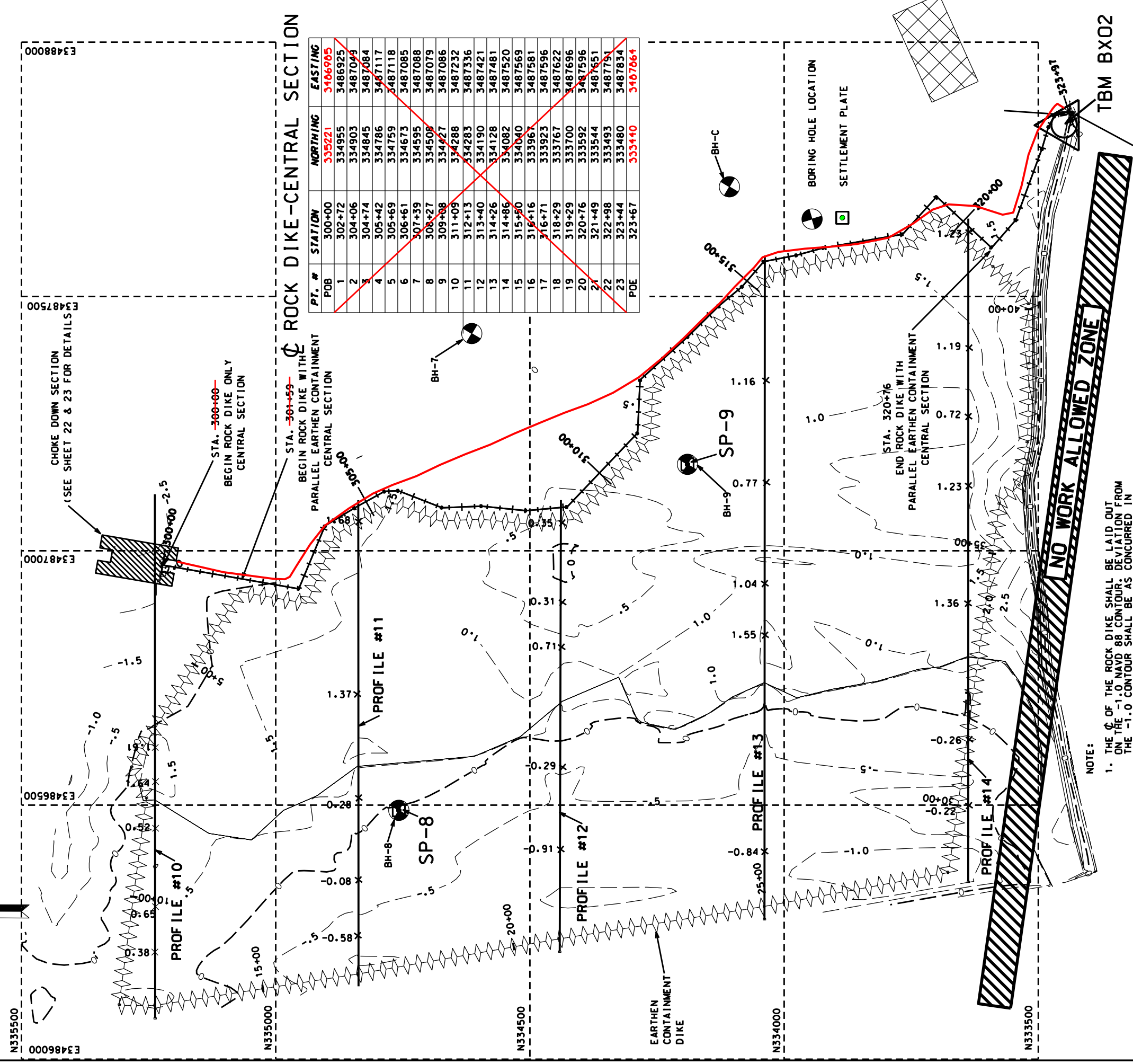
File Name	LA-346
Drawing Name	LA346010A2.dgn
Sheet	10A2 of 65

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.



NOTE:
 MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL ON THE CENTRAL SECTION, FROM STA. 300+00 - STA. 301+59 AND FROM STA. 320+76 - STA. 323+97 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO INSPECTION. (SEE TYPICAL SECTION #4, SHEET 21 OF 65.)

NOTE:
 FLOTATION MATERIAL NOT USED FOR THE CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 301+59 - 320+76 CENTRAL SECTION)



PT. #	STATION	NORTHING	EASTING
P0B	300+00	335221	3406905
1	302+72	334955	3486925
2	304+06	334903	3487049
3	304+74	334845	3487084
4	305+42	334786	3487117
5	305+69	334759	3487118
6	306+61	334673	3487085
7	307+39	334595	3487088
8	308+27	334508	3487079
9	309+08	334427	3487086
10	311+09	334288	3487232
11	312+13	334283	3487336
12	313+40	334190	3487421
13	314+26	334128	3487481
14	314+86	334082	3487520
15	315+50	334040	3487569
16	316+16	333967	3487581
17	316+71	333923	3487596
18	318+29	333767	3487622
19	319+29	333700	3487696
20	320+76	333592	3487596
21	321+49	333544	3487651
22	322+98	333493	3487751
23	323+44	333480	3487834
P0E	323+67	333440	3407064

- NOTE:
1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
 3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS, AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.
 4. THE TOPO SHOWN IS FROM PRE-HURRICANE SURVEYS. THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

WEST LAKE BOUDREAU - ROCK DIKE
CENTRAL SECTION - PLAN VIEW



AS-BUILT

REVISIONS			
NO.	DATE	APPROVED	TITLE

NRCS
 Natural Resources Conservation Service
 United States Department of Agriculture

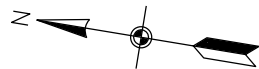
File Name
LA-346

Drawing Name
LA346011.dgn

Sheet 11 of 65

PLAN VIEW-CENTRAL ROCK DIKE
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA

Designed	R. FAULKNER	Date	01/05
Drawn	A.J.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J.J. GIERING III		12/06



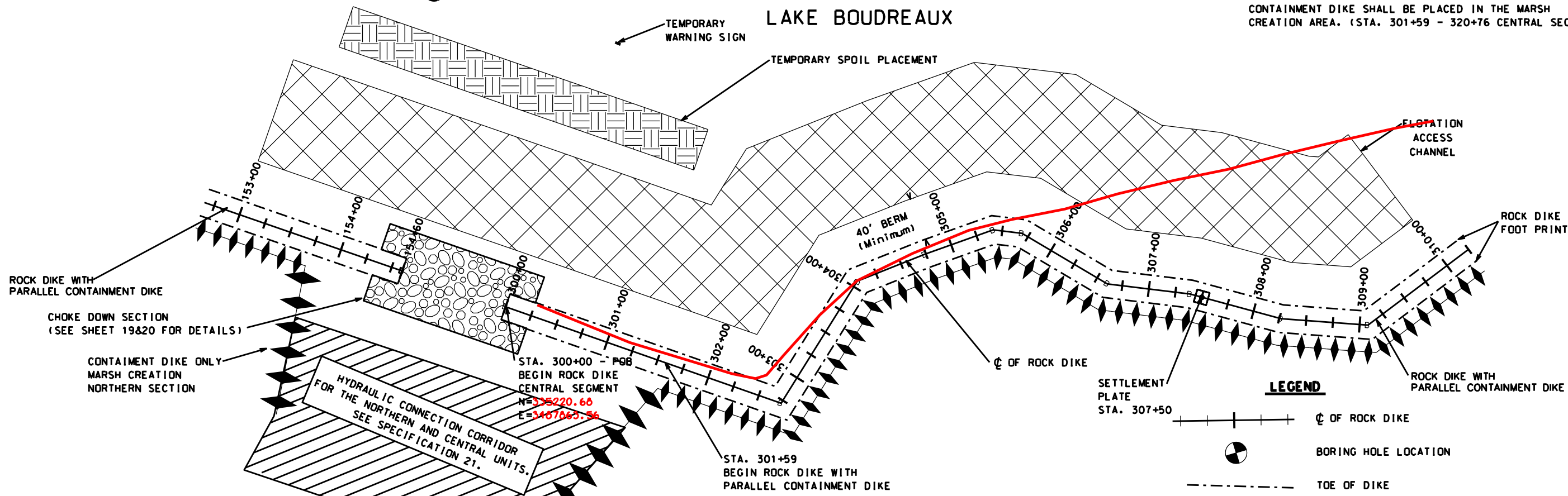
BORING HOLE B
N=335336.33
E=3487252.32

NOTE:
MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL FROM STA. 153+60 - STA.301+59 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO INSPECTION. SEE TYPICAL SECTION #4, ON SHEET 21 OF 65.

BORING HOLE 7
N=334614.32
E=3487427.19

NOTE:

FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 301+59 - 320+76 CENTRAL SECTION)



PLAN - CENTRAL SEGMENT
STATION 0+00 - 10+00



AMENDMENT #2

NOTE:

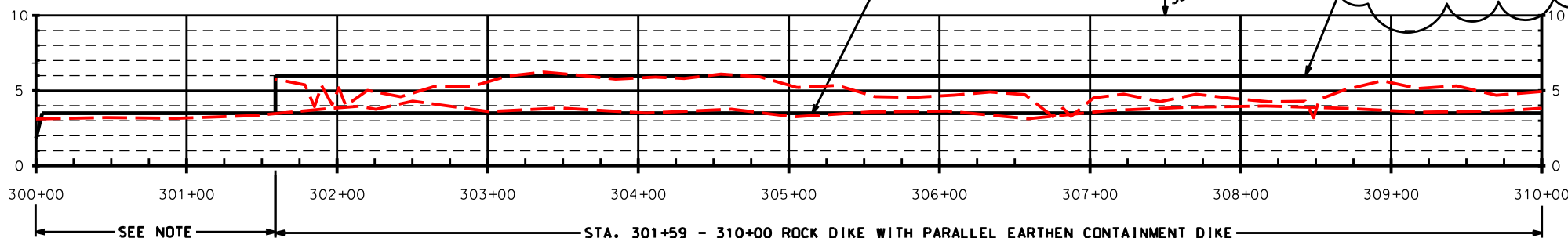
1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

CONTAINMENT DIKE ONLY
MARSH CREATION
CENTRAL SECTION

FINISH TOP
OF ROCK DIKE
ELEV. = +3.5

STA. 307+50
SETTLEMENT PLATE

FINISH TOP OF
EARTHEN CONTAINMENT DIKE
AS REQUIRED



PROFILE - CENTRAL SECTION
STATION 300+00 - 310+00

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

PLAN & PROFILE-ROCK DIKE - CENTRAL SEC.
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



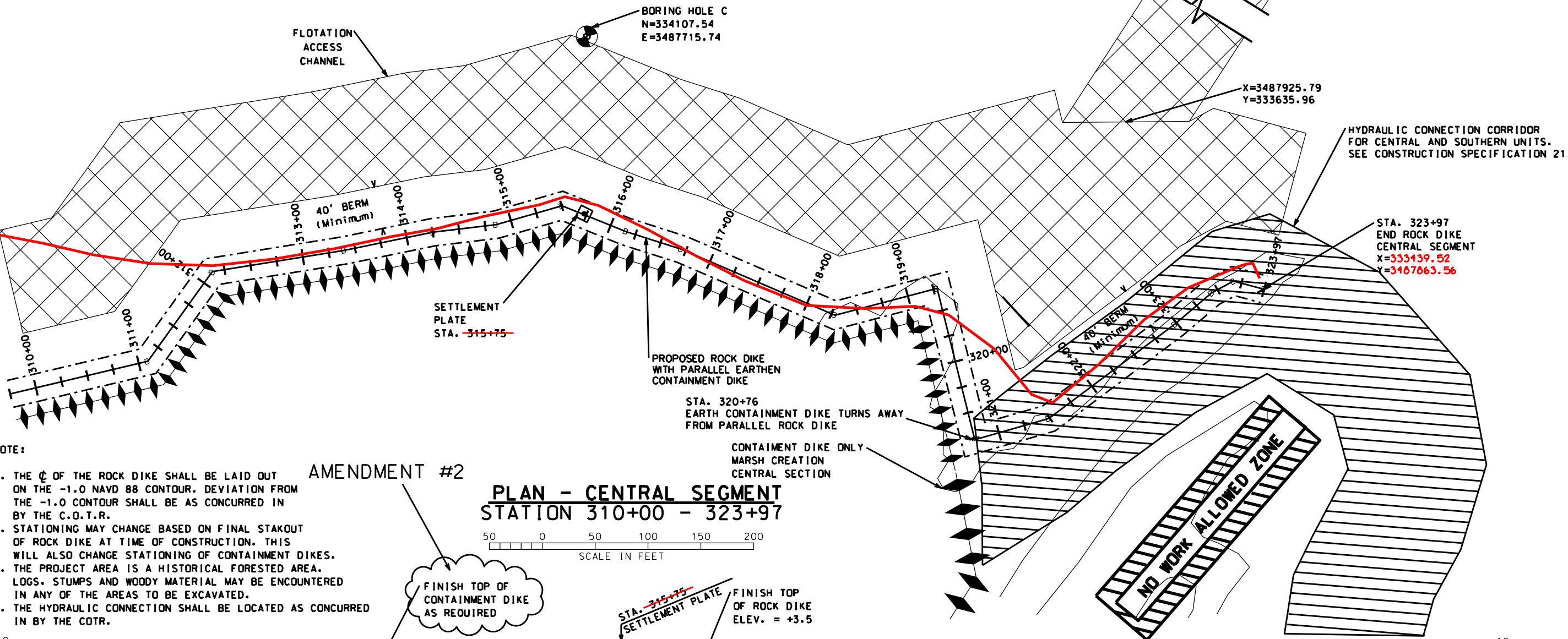
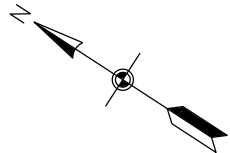
File Name
LA-346

Drawing Name
LA346012A2.dgn

NOTE:

FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 301+59 - 320+76 CENTRAL SECTION)

LAKE BOUDREAUX



NOTE:

1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.
4. THE HYDRAULIC CONNECTION SHALL BE LOCATED AS CONCURRED IN BY THE COTR.

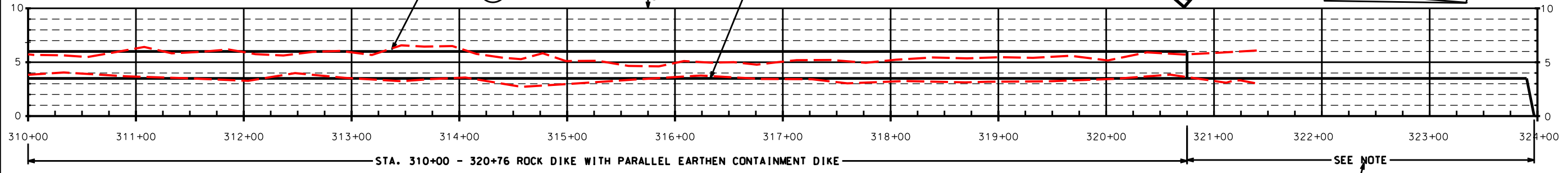
AMENDMENT #2

FINISH TOP OF CONTAINMENT DIKE AS REQUIRED

STA. 315+75 SETTLEMENT PLATE

FINISH TOP OF ROCK DIKE ELEV. = +3.5

PLAN - CENTRAL SEGMENT
STATION 310+00 - 323+97



PROFILE - CENTRAL SEGMENT
STATION 310+00 - 323+97

STA. 320+76 - 323+97 ROCK DIKE ONLY

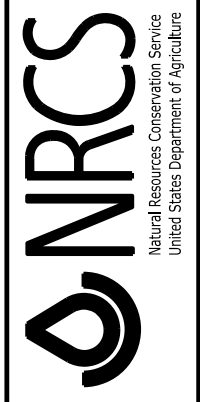
NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

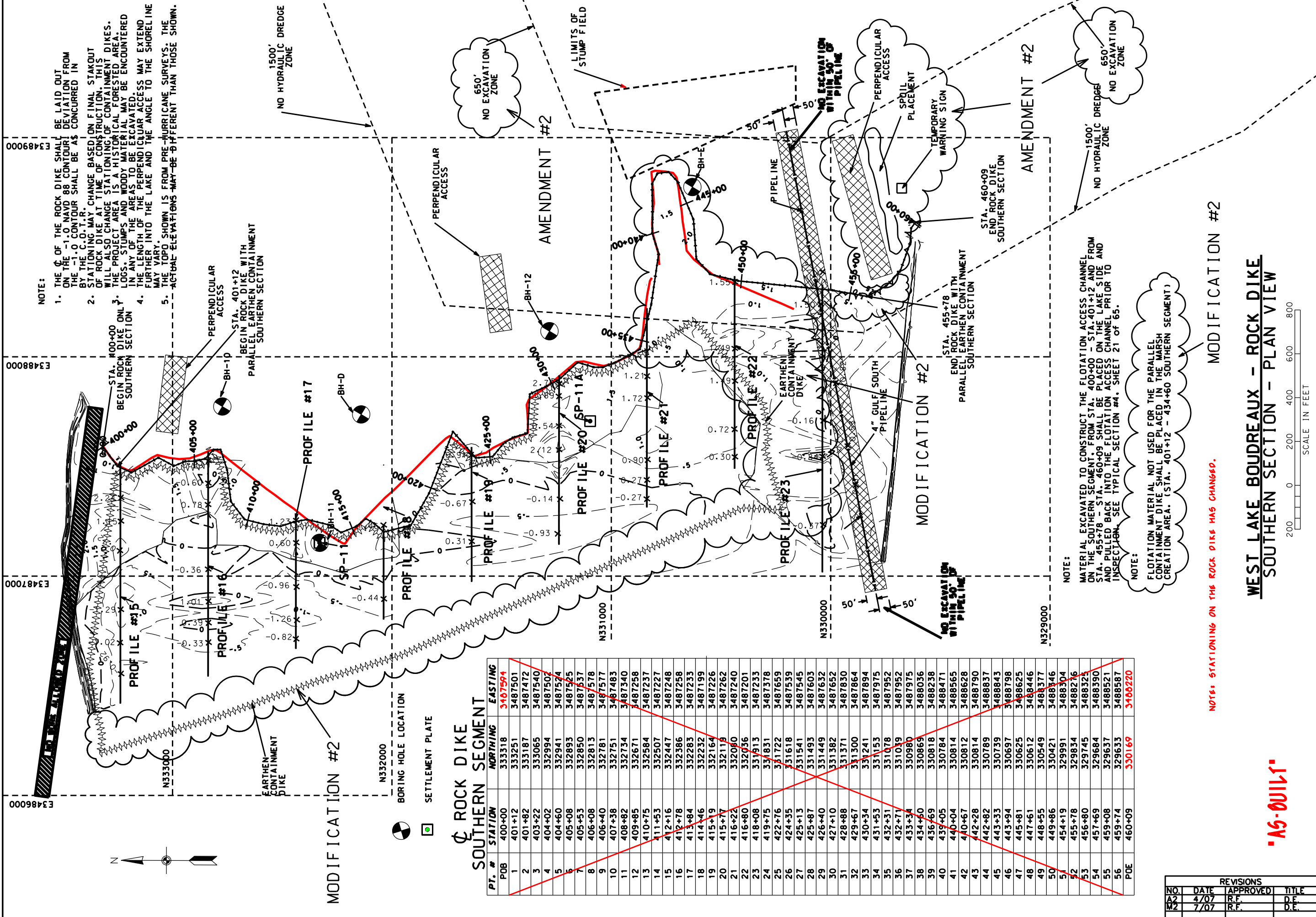
PLAN & PROFILE - ROCK DIKE - CENTRAL SEC.
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346

Drawing Name
LA346013A2.dgn

"AS-BUILT"



NOTE:
 1. THE CENTERLINE OF THE ROCK DIKE SHALL BE LAID OUT ON THE 1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.
 3. THE LENGTH OF THE PERPENDICULAR ACCESS MAY VARY. FURTHER INTO THE LAKE AND THE ANGLE TO THE SHORELINE MAY VARY.
 4. THE TOPO SHOWN IS FROM PRE-HURRICANE SURVEYS. THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

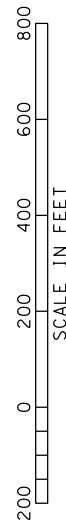
NOTE:
 MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL ON THE SOUTHERN SEGMENT, FROM STA. 400+00 - STA. 401+12 AND FROM STA. 455+78 - STA. 460+09 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO INSPECTION. SEE TYPICAL SECTION #4, SHEET 21 OF 65.

NOTE:
 FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 401+12 - 434+60 SOUTHERN SEGMENT)

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

MODIFICATION #2

WEST LAKE BOUDREAUX - ROCK DIKE
SOUTHERN SECTION - PLAN VIEW



ROCK DIKE
SOUTHERN SEGMENT

PT. #	STATION	NORTHING	EASTING
PDB	400+00	333318	3487594
1	401+12	333251	3487501
2	401+82	333187	3487472
3	403+22	333065	3487540
4	404+02	332994	3487507
5	404+60	332941	3487544
6	405+08	332893	3487525
7	405+53	332850	3487537
8	406+08	332813	3487578
9	406+40	332781	3487577
10	407+38	332751	3487483
11	408+82	332734	3487340
12	409+85	332671	3487258
13	410+75	332584	3487237
14	411+53	332507	3487227
15	412+16	332447	3487248
16	412+78	332386	3487258
17	413+84	332283	3487233
18	414+46	332232	3487199
19	415+19	332164	3487226
20	415+77	332119	3487262
21	416+22	332060	3487240
22	416+80	332036	3487201
23	418+08	331913	3487233
24	419+75	331831	3487378
25	422+76	331722	3487659
26	424+35	331618	3487539
27	425+13	331541	3487545
28	425+87	331493	3487603
29	426+40	331449	3487632
30	427+10	331382	3487652
31	428+88	331371	3487830
32	429+67	331300	3487864
33	430+34	331241	3487894
34	431+53	331153	3487975
35	432+31	331078	3487952
36	432+77	331019	3487952
37	433+34	330980	3487975
38	434+60	330869	3488036
39	436+69	330818	3488238
40	439+05	330784	3488471
41	440+04	330814	3488565
42	440+67	330812	3488628
43	442+28	330814	3488790
44	442+82	330789	3488837
45	443+33	330739	3488843
46	443+94	330697	3488798
47	445+81	330625	3488625
48	447+61	330612	3488446
49	448+55	330549	3488377
50	449+86	330421	3488446
51	454+19	329991	3488304
52	455+78	329834	3488226
53	456+80	329745	3488325
54	457+69	329684	3488390
55	459+08	329637	3488521
56	459+74	329633	3488587
PDE	460+09	330169	3488220

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	4/07	R.F.	D.E.
M2	7/07	R.F.	D.E.

File Name: LA-346

Drawing Name: LA346014M2.dgn

Sheet 14M2 of 65

Date: 01/05

Designed: R. FAULKNER

Drawn: A.J. GREMILLION

Checked: B.A. STICKER

Approved: E.J. GIERING, III

PLAN VIEW-SOUTHERN ROCK DIKE
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

Natural Resources Conservation Service
 United States Department of Agriculture

LAKE BOUDREUX

BORING HOLE 10
N=332773.09
E=3487773.60

NOTE:

MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL ON THE SOUTHERN SEGMENT, FROM STA. 400+00 - STA.401+12 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO INSPECTION. SEE TYPICAL SECTION #4, SHEET 21 of 65.

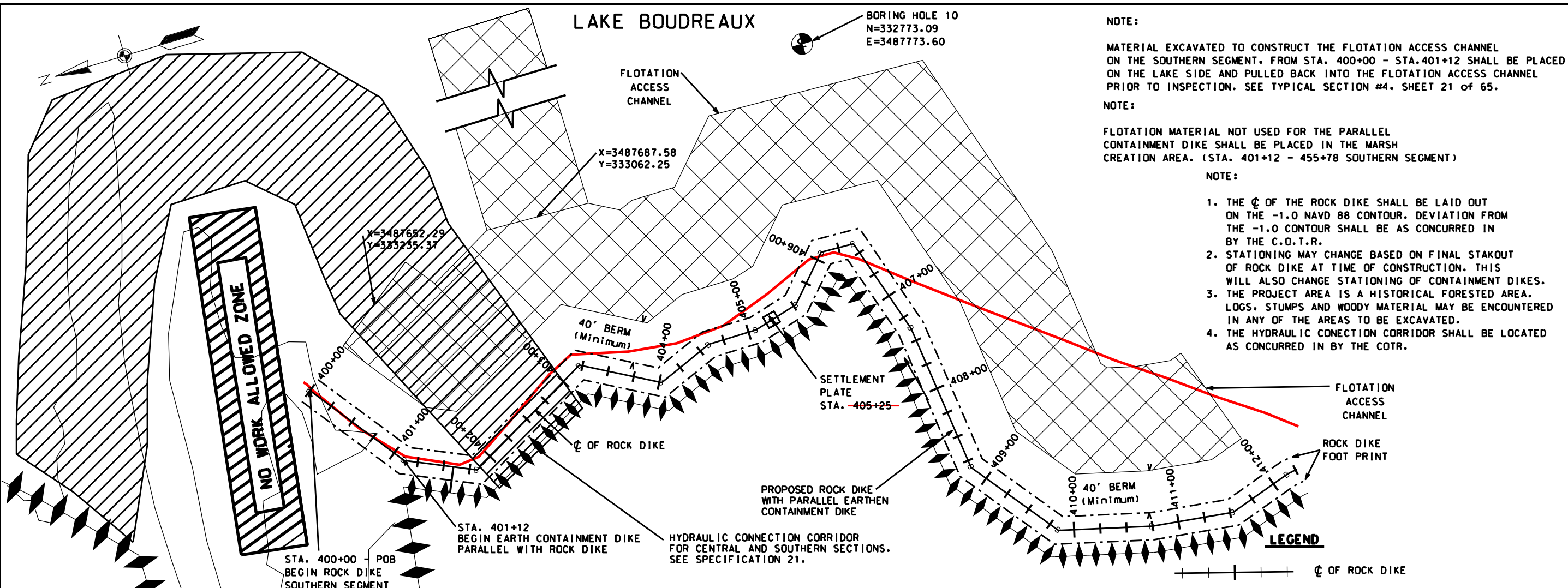
NOTE:

FLOTATION MATERIAL NOT USED FOR THE PARALLEL CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 401+12 - 455+78 SOUTHERN SEGMENT)

NOTE:

1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.
4. THE HYDRAULIC CONNECTION CORRIDOR SHALL BE LOCATED AS CONCURRED IN BY THE COTR.

Date	01/05
Designed	R. FAULKNER
Drawn	A.J. GREMILLION
Checked	B.A. STICKER
Approved	E.J. GIERING III



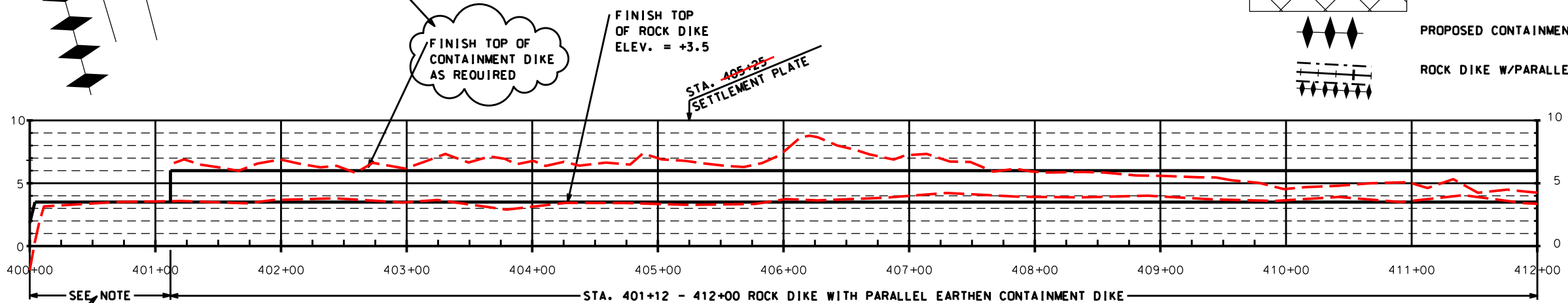
PLAN - SOUTHERN SECTION
STATION 400+00 - 412+00



LEGEND

	ϕ OF ROCK DIKE
	BORING HOLE LOCATION
	TOE OF DIKE
	SETTLEMENT PLATE
	FLOTATION ACCESS CHANNEL
	PROPOSED CONTAINMENT DIKE ONLY
	ROCK DIKE W/PARALLEL CONTAINMENT DIKE

AMENDMENT #2



PROFILE - SOUTHERN SECTION
STATION 400+00 - 412+00

"AS-BUILT"

STA. 400+00 - 401+12
ROCK DIKE ONLY

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

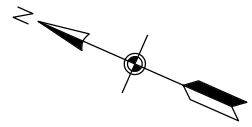
REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

PLAN & PROFILE-ROCK DIKE - SOUTHERN SEC.
TE-46 - WEST LAKE BOUDREUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346

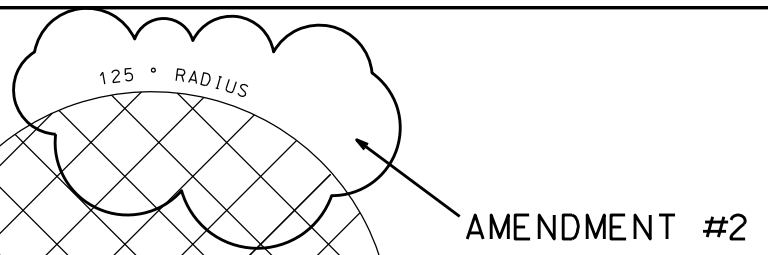
Drawing Name
LA346015A2.dgn



NOTE:
 FLOTATION MATERIAL NOT USED FOR THE PARALLEL
 CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH
 CREATION AREA. (STA. 401+12 - 455+78 SOUTHERN SEGMENT)

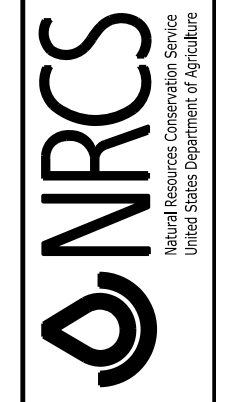
BORING HOLE D
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 E=3487737.46

LAKE BOUDREAU



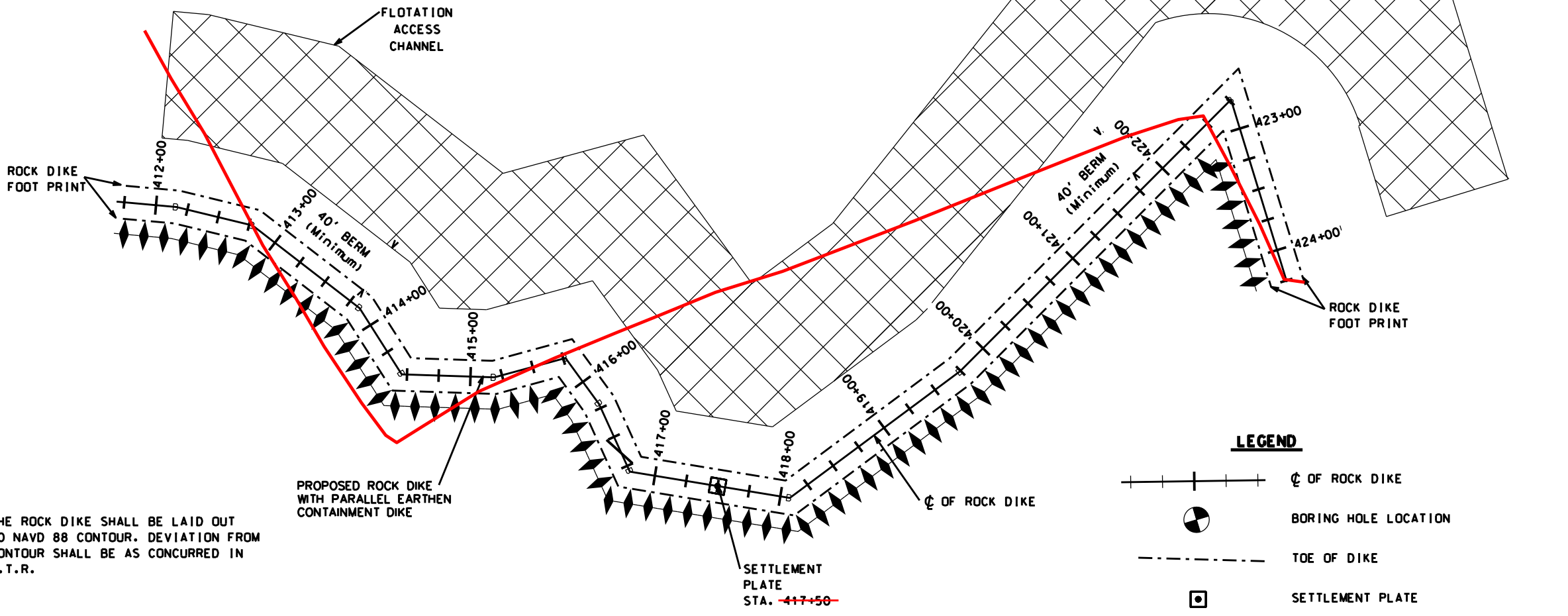
Date	01/05
Designed	R. FAULKNER
Drawn	A.J. GREMILLON
Checked	B.A. STICKER
Approved	E.J. GIERING III

PLAN & PROFILE - ROCK DIKE - SOUTHERN SEC.
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



File Name
 LA-346

Drawing Name
 LA346016A2.dgn

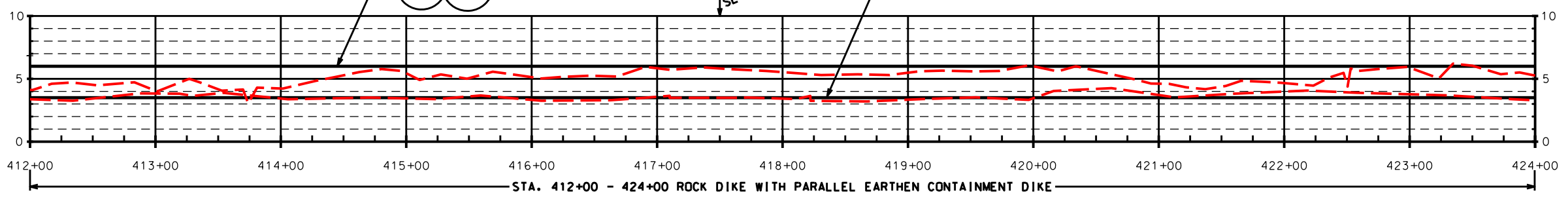
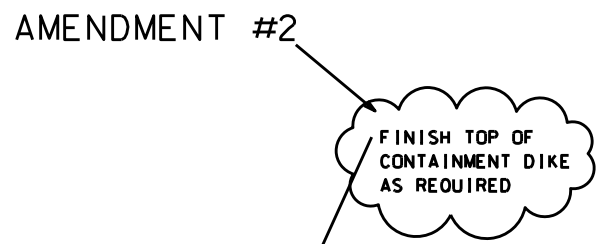


LEGEND

	CL OF ROCK DIKE
	BORING HOLE LOCATION
	TOE OF DIKE
	SETTLEMENT PLATE
	FLOTATION ACCESS CHANNEL
	PROPOSED CONTAINMENT DIKE ONLY
	ROCK DIKE W/PARALLEL CONTAINMENT DIKE

NOTE:
 THE CL OF THE ROCK DIKE SHALL BE LAID OUT
 ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM
 THE -1.0 CONTOUR SHALL BE AS CONCURRED IN
 BY THE C.O.T.R.

PLAN - SOUTHERN SECTION
 STATION 412+00 - 424+00



PROFILE - SOUTHERN SECTION
 STATION 412+00 - 424+00

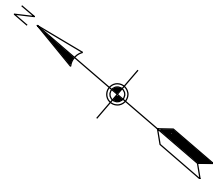
DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

REVISIONS

NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

"AS-BUILT"



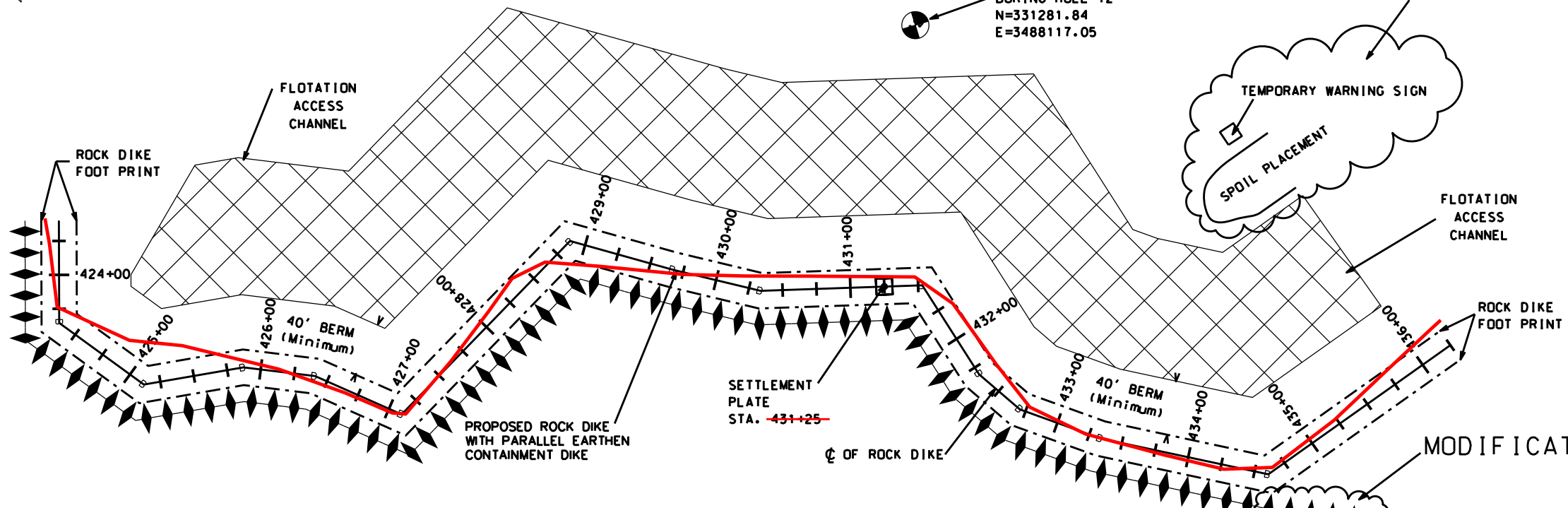
NOTE:
 FLOTATION MATERIAL NOT USED FOR THE PARALLEL
 CONTAINMENT DIKE SHALL BE PLACED IN THE MARSH
 CREATION AREA. (STA. 401+12 - 434+60 SOUTHERN SEGMENT)

MODIFICATION #2

BORING HOLE 12
 N=331281.84
 E=3488117.05

MODIFICATION #2

TEMPORARY WARNING SIGN
 SPOIL PLACEMENT



- NOTE:
1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
 3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

PLAN - SOUTHERN SECTION
STATION 424+00 - 436+00



LEGEND

- ϕ OF ROCK DIKE
- BORING HOLE LOCATION
- TOE OF DIKE
- SETTLEMENT PLATE
- FLOTATION ACCESS CHANNEL
- PROPOSED CONTAINMENT DIKE ONLY
- ROCK DIKE W/PARALLEL CONTAINMENT DIKE

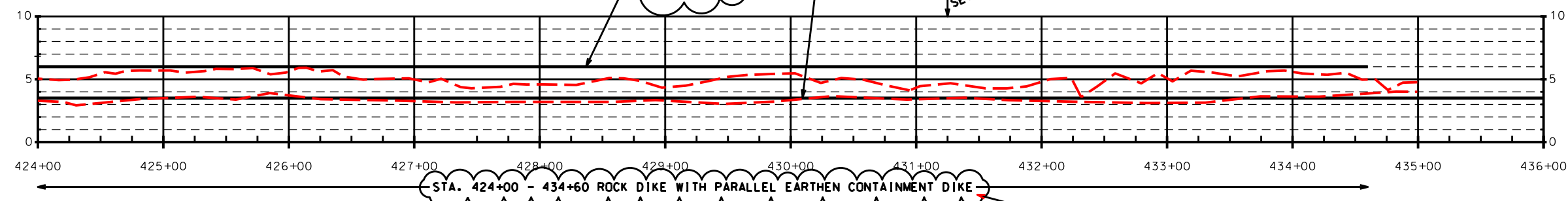
AMENDMENT #2

FINISH TOP OF
 CONTAINMENT DIKE
 AS REQUIRED

FINISH TOP
 OF ROCK DIKE
 ELEV. = +3.5

STA. ~~431+25~~
 SETTLEMENT PLATE

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.



PROFILE - SOUTHERN SECTION
STATION 424+00 - 436+00

DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M2	07/07	R.F.	D.E.

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

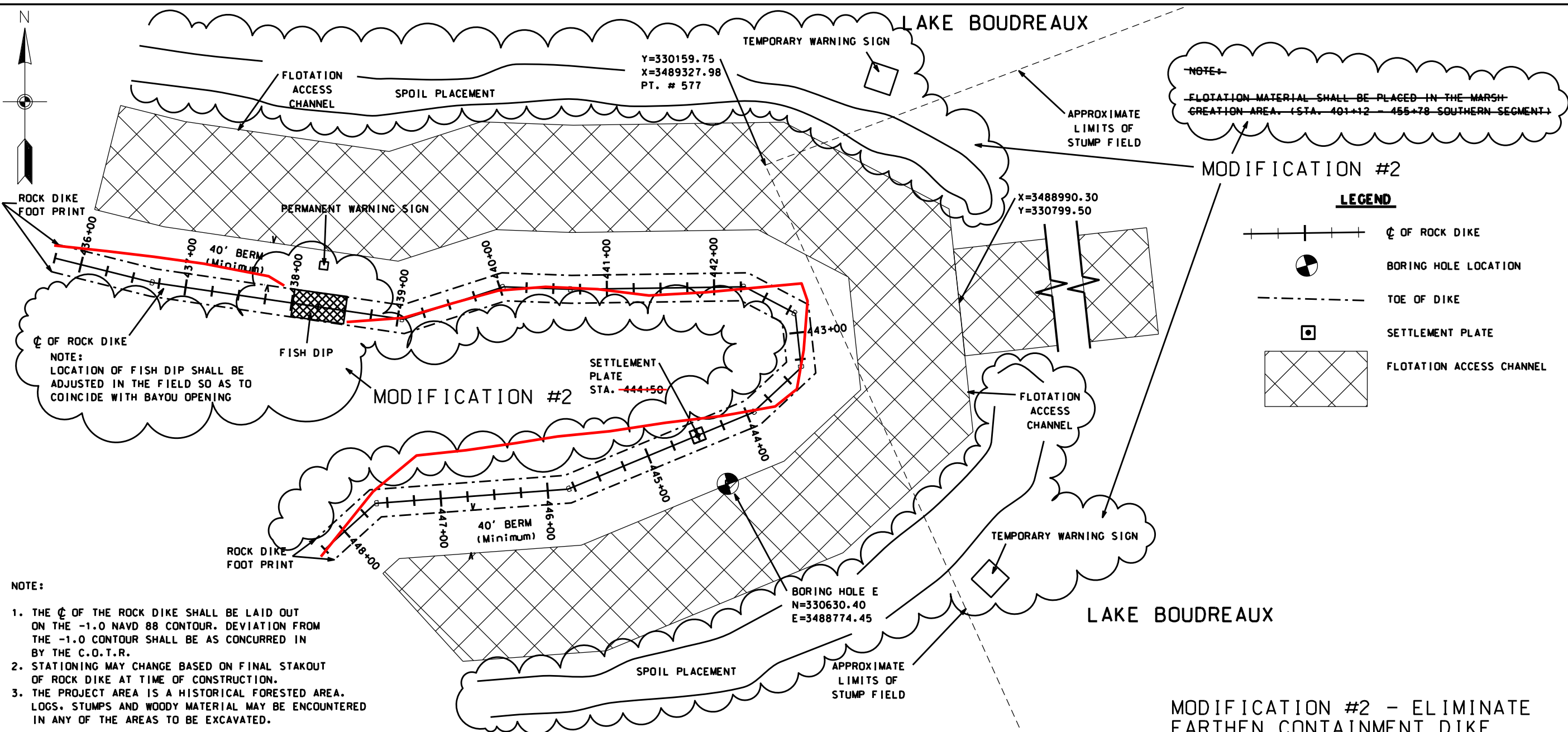
PLAN & PROFILE-ROCK DIKE - SOUTHERN SEG.
 TE-46 - WEST LAKE BOUDREAUX
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



File Name
 LA-346

Drawing Name
 LA346017M2.dgn

Sheet 17M2 of 65

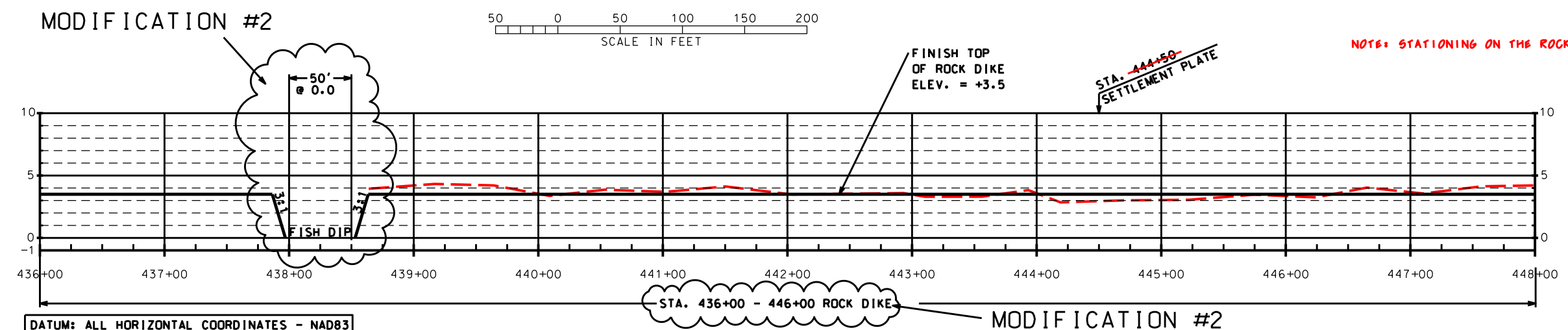


PLAN - SOUTHERN SECTION
STATION 436+00 - 448+00

- NOTE:
1. THE ϕ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION.
 3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

MODIFICATION #2 - ELIMINATE EARTHEN CONTAINMENT DIKE THIS SHEET

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.



PROFILE - SOUTHERN SECTION
STATION 436+00 - 448+00

DATUM: ALL HORIZONTAL COORDINATES - NAD83
ALL VERTICAL COORDINATES - NAVD88

NOTE:
FLOTATION MATERIAL SHALL BE PLACED IN THE MARSH CREATION AREA. (STA. 401+12 - 455+78 SOUTHERN SEGMENT)

LEGEND

- ϕ OF ROCK DIKE
- BORING HOLE LOCATION
- TOE OF DIKE
- SETTLEMENT PLATE
- FLOTATION ACCESS CHANNEL

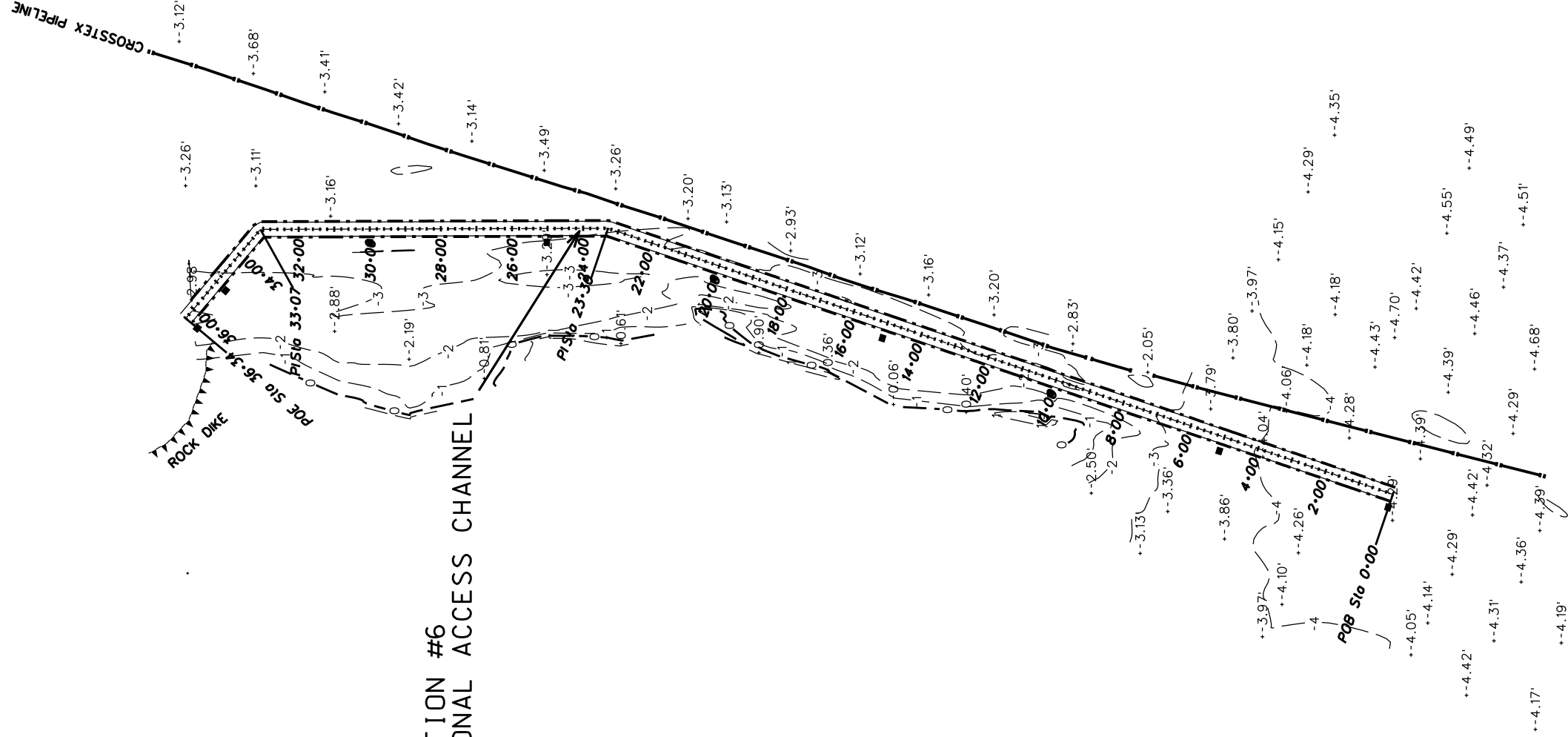
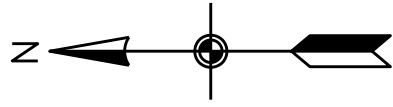
Date	01/05
Designed	R. FAULKNER
Drawn	A.J. GREMILLON
Checked	B.A. STICKER
Approved	E.J. GIERING III

PLAN & PROFILE - ROCK DIKE - SOUTHERN SEC.
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346018M2.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M2	07/07	R.F.	D.E.



MODIFICATION #6
 ADDITIONAL ACCESS CHANNEL

ACCESS CHANNEL COORDINATES	
STA.	NORTHING EASTING
0+00	326301.36 3488181.43
23+30	328508.09 3488928.94
33+07	329485.64 3488925.89
36+34	329695.45 3488675.81

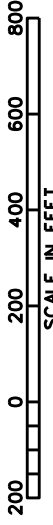
REVISIONS			
NO.	DATE	APPROVED	TITLE
M6	07/08	R.F.	D.F.

NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

AS-BUILT

LEGEND

- TEMPORARY WARNING SIGN
- PROPOSED ACCESS CHANNEL

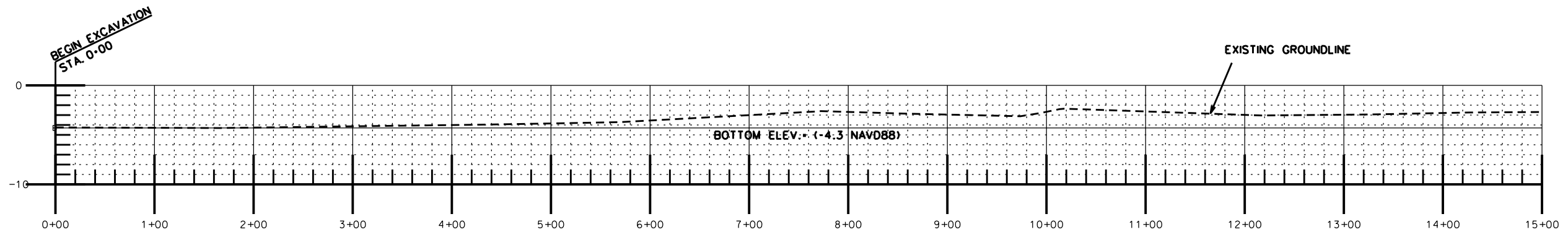


ACCESS CHANNEL - SOUTHERN SECTION
 MODIFICATION #6 - PLAN MAP
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA

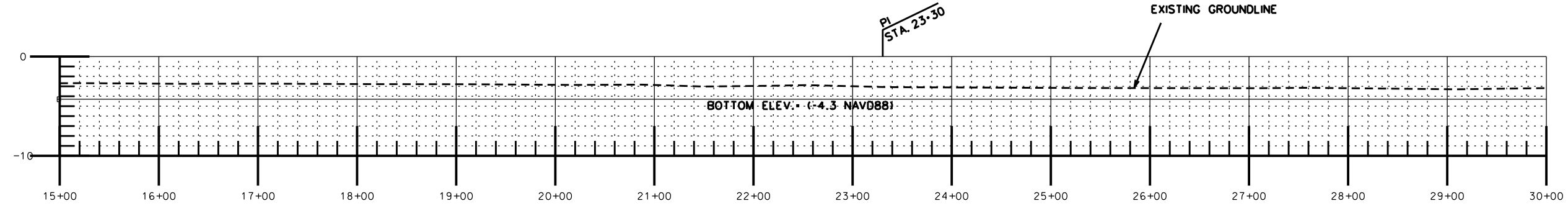
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DRAWING NAME	LA346019AM6.DGN
SHEET	19AM6 OF 65



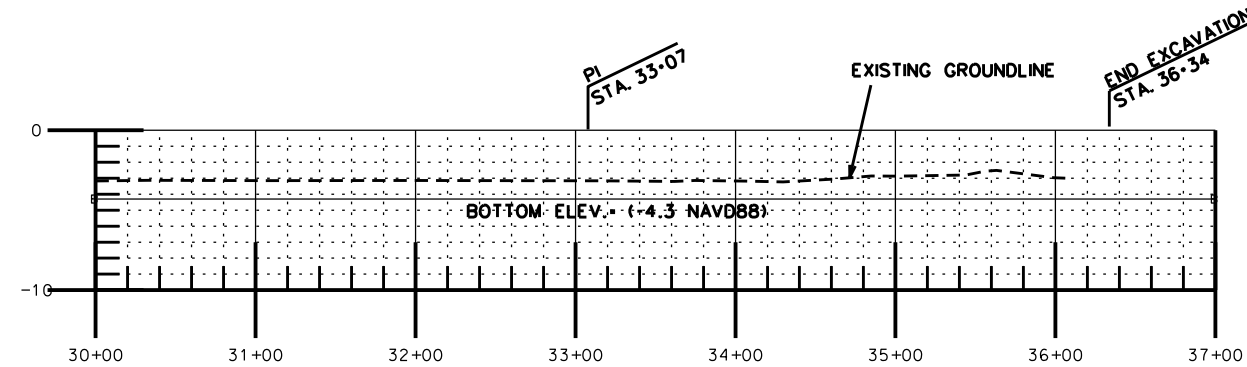
DESIGNED	R. FAULKNER	DATE	07/2008
DRAWN	D. WILMORE	CHECKED	07/2008
APPROVED	E.J. GIERING III		



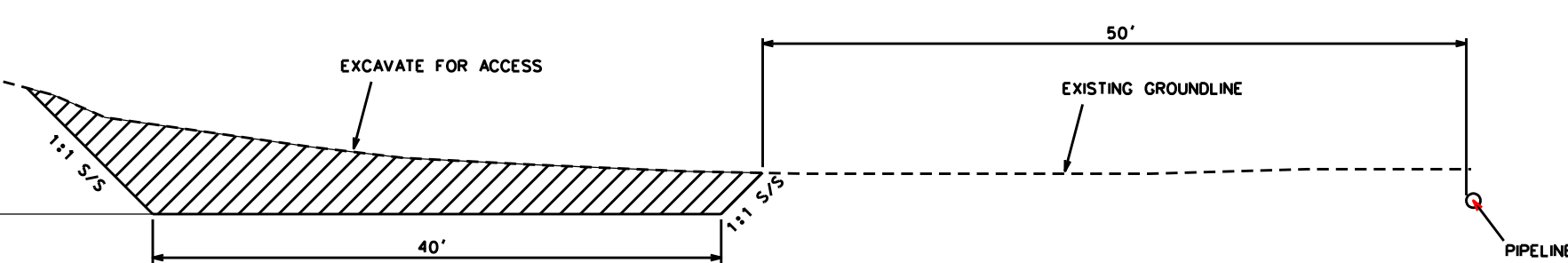
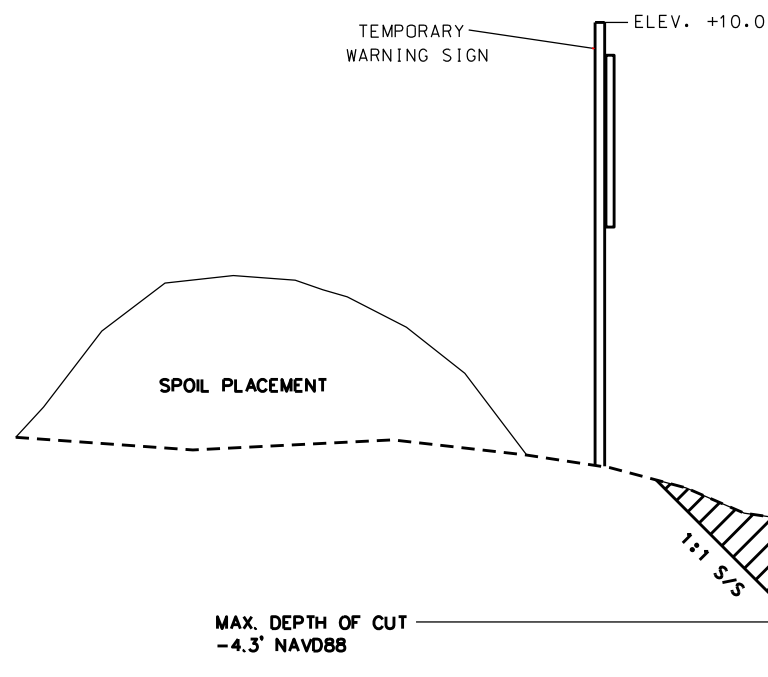
PROFILES- ACCESS DREDGE CHANNEL
STA. 0+00 - STA. 15+00



PROFILES- ACCESS DREDGE CHANNEL
STA. 15+00 - STA. 30+00



PROFILES- ACCESS DREDGE CHANNEL
STA. 30+00 - STA. 36+34



TYPICAL SECTION
ACCESS CHANNEL

MODIFICATION #6
ADDITIONAL ACCESS CHANNEL

"AS-BUILT"

DESIGNED	R. FAULKNER	DATE	07/2008
DRAWN	D. WILMORE	CHECKED	07/2008
		APPROVED	E.J. GIERING III

ACCESS DREDGE - SOUTHERN SECTION
MODIFICATION #6 - PROFILE & TYPICAL SECTION
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



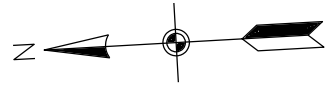
FILE NAME
LA346

DRAWING NAME
LA346019BM6.DGN

SHEET 198M6 OF 65

REVISIONS			
NO.	DATE	APPROVED	TITLE
M6	07/08	R.F.	D.E.

SPOIL PLACEMENT



LAKE BOUDREAU

GULF SOUTH 4" PIPELINE

PERPENDICULAR ACCESS

SPOIL PLACEMENT

FLOTATION ACCESS CHANNEL

FLOTATION ACCESS CHANNEL

PERMANENT WARNING SIGN
N=330163.17
E=3486325.47
ELEV.=9.95'

STA. 453+16
APPROXIMATE POT

STA. 453+51
APPROXIMATE POT

PERMANENT WARNING SIGN
N=329956.98
E=3486290.61
ELEV.=9.85'

40' BERM (Minimum)

APPROXIMATE POC

☉ OF ROCK DIKE

APPROXIMATE POC

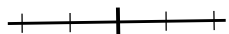
GULF SOUTH 4" PIPELINE

NO EXCAVATION LIMITS

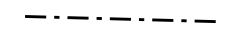
NO EXCAVATION LIMITS

NO EXCAVATION ALLOWED WITHIN 25' OF PIPELINE

LEGEND



☉ OF ROCK DIKE



TOE OF DIKE



FLOTATION ACCESS CHANNEL

NOTE:

THE EXACT REALIGNMENT OF THE ROCK DIKE SHALL BE AS CONCURRED IN BY THE COTR. THE ROCK SHALL BE TERMINATED AS CLOSE TO THE ORIGINAL ALIGNMENT AS POSSIBLE. THE 40' BERM REQUIREMENT IS DELETED FROM STA.452+00 TO STA.454+50. THE CONTRACTOR SHALL MAINTAIN AS MUCH BERM AS POSSIBLE. THE ROCK DIKE SHALL BE PLACED IN A MANNER THAT A 50' GAP IS FORMED FROM TOE TO TOE OF THE ROCK DIKE SEGMENTS.

PLAN - SOUTHERN SECTION @ PIPELINE CROSSING



NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE
M7	04/08	R.F.	D.E.

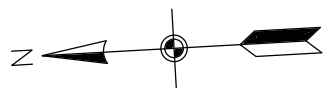
PLAN - GULF SOUTH PIPELINE CROSSING
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

Designed	R. FAULKNER	Date	04-08
Drawn	D. WILMORE		04-08
Checked	B.A. STICKER		
Approved	E.J. GIERING III		



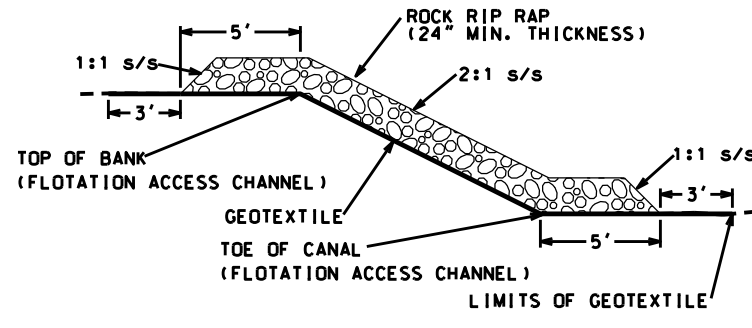
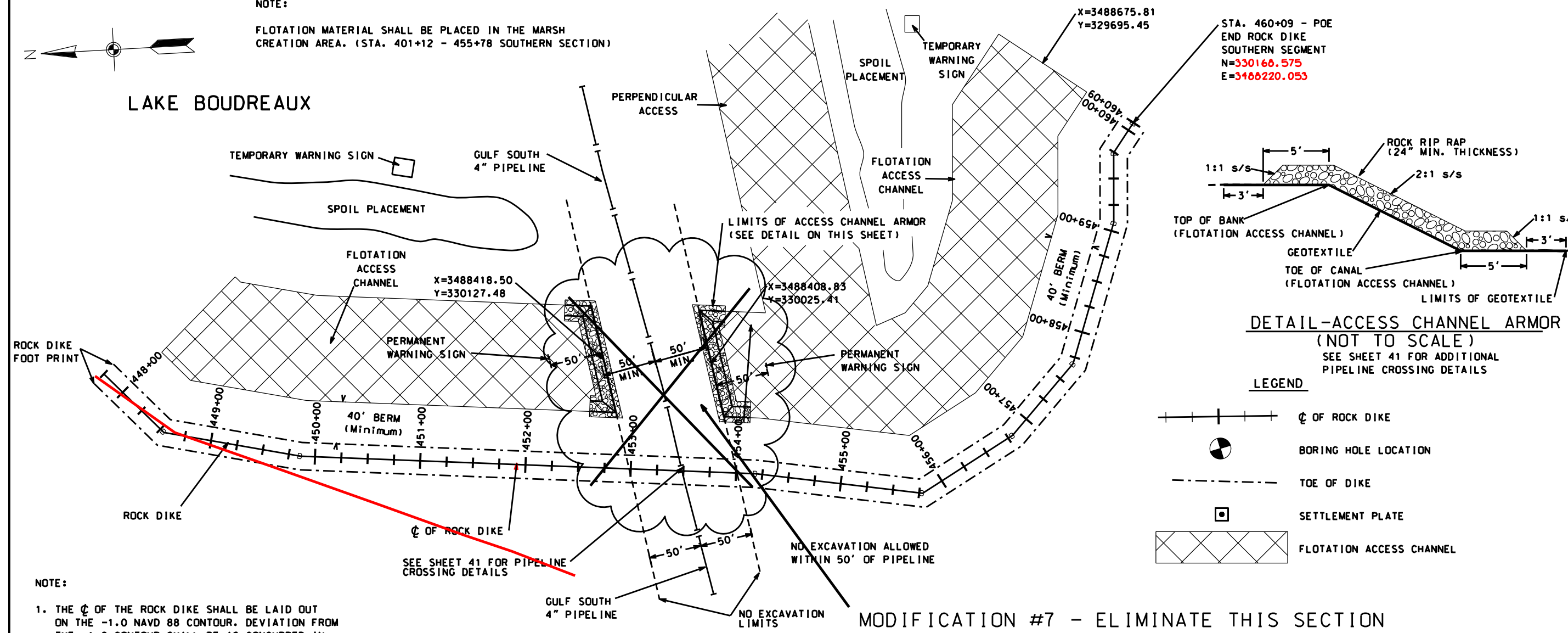
File Name
LA-346

Drawing Name
LA346019CM7.dgn



NOTE:
 FLOTATION MATERIAL SHALL BE PLACED IN THE MARSH
 CREATION AREA. (STA. 401+12 - 455+78 SOUTHERN SECTION)

LAKE BOUDREAUX

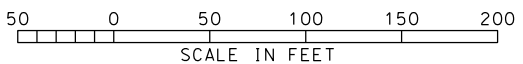


DETAIL-ACCESS CHANNEL ARMOR
 (NOT TO SCALE)
 SEE SHEET 41 FOR ADDITIONAL
 PIPELINE CROSSING DETAILS

- LEGEND
- ☉ OF ROCK DIKE
 - BORING HOLE LOCATION
 - TOE OF DIKE
 - SETTLEMENT PLATE
 - FLOTATION ACCESS CHANNEL

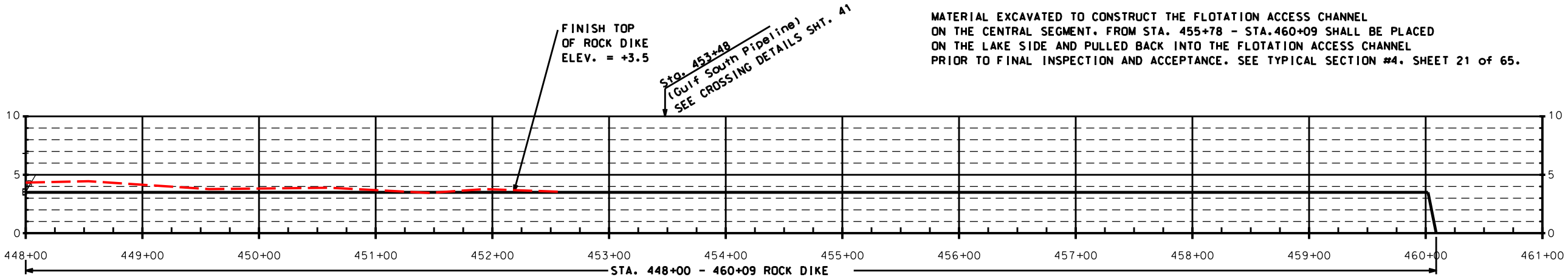
- NOTE:
1. THE ☉ OF THE ROCK DIKE SHALL BE LAID OUT ON THE -1.0 NAVD 88 CONTOUR. DEVIATION FROM THE -1.0 CONTOUR SHALL BE AS CONCURRED IN BY THE C.O.T.R.
 2. STATIONING MAY CHANGE BASED ON FINAL STAKOUT OF ROCK DIKE AT TIME OF CONSTRUCTION. THIS WILL ALSO CHANGE STATIONING OF CONTAINMENT DIKES.
 3. THE PROJECT AREA IS A HISTORICAL FORESTED AREA. LOGS, STUMPS AND WOODY MATERIAL MAY BE ENCOUNTERED IN ANY OF THE AREAS TO BE EXCAVATED.

PLAN - SOUTHERN SECTION
 STATION 448+00 - 460+09



MODIFICATION #7 - ELIMINATE THIS SECTION

NOTE:
 MATERIAL EXCAVATED TO CONSTRUCT THE FLOTATION ACCESS CHANNEL ON THE CENTRAL SEGMENT, FROM STA. 455+78 - STA.460+09 SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE FLOTATION ACCESS CHANNEL PRIOR TO FINAL INSPECTION AND ACCEPTANCE. SEE TYPICAL SECTION #4, SHEET 21 of 65.



PROFILE - SOUTHERN SECTION
 STATION 448+00 - 460+09

DATUM: ALL HORIZONTAL COORDINATES - NAD83
 ALL VERTICAL COORDINATES - NAVD88

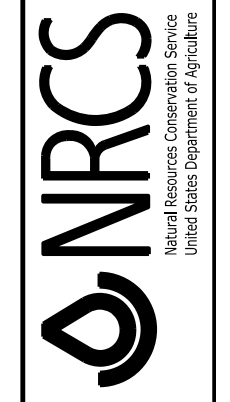
NOTE: STATIONING ON THE ROCK DIKE HAS CHANGED.

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M2	07/07	R.F.	D.E.
M7	04/08	R.F.	D.E.

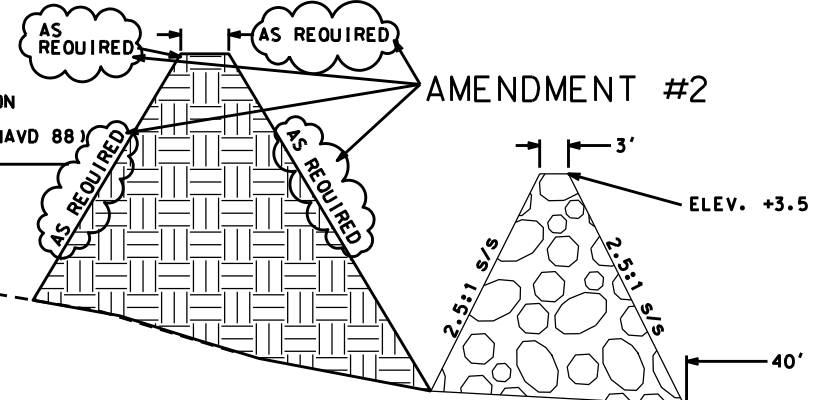
Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

PLAN & PROFILE-ROCK DIKE - SOUTHERN SEG.
 TE-46 - WEST LAKE BOUDREAUX
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346019M7.dgn
Sheet	19M7 of 65

MARSH SIDE



STATIONING - ROCK DIKE WITH PARALLEL EARTHEN CONTAINMENT DIKE (TYPICAL SECTION 1)

SEGMENT	REACH	NOTES
NORTHERN	122+21 - 153+69	ROCK DIKE WITH PARALLEL CONTAINMENT (TYP. SEC. 1)

LAKE SIDE

NOTE: MATERIAL EXCAVATED TO CREATE THE FLOTATION ACCESS CHANNEL SHALL BE USED TO CONSTRUCT THE EARTHEN CONTAINMENT DIKE. EXCESS MATERIAL NOT USED TO CONSTRUCT THE EARTHEN CONTAINMENT DIKE SHALL BE PLACED WITHIN THE MARSH CREATION AREA.

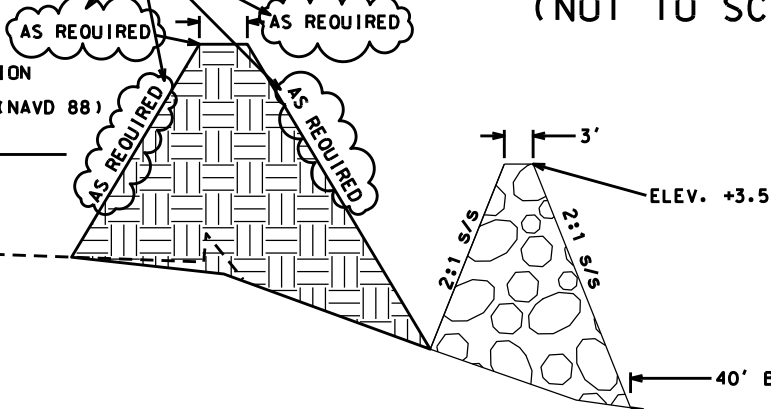
NOTE: THE ROCK DIKE FOR THE NORTHERN SEGMENT SHALL HAVE SIDE SLOPES OF 2.5 HORIZONTAL TO 1 VERTICAL.

MARSH SIDE

AMENDMENT #2

TYPICAL SECTION-1 (NORTHERN SEGMENT)
(NOT TO SCALE)

MARSH CREATION FILL HEIGHT ELEV. +3.7 (NAVD 88)



STATIONING - ROCK DIKE WITH PARALLEL EARTHEN CONTAINMENT DIKE (TYPICAL SECTION 2)

SEGMENT	REACH	NOTES
CENTRAL	301+59 - 320+76	ROCK DIKE WITH PARALLEL CONTAINMENT (TYP. SEC. 2)
SOUTHERN	401+12 - 434+60	ROCK DIKE WITH PARALLEL CONTAINMENT (TYP. SEC. 2)

LAKE SIDE

MODIFICATION #2

NOTE: MATERIAL EXCAVATED TO CREATE THE FLOTATION ACCESS CHANNEL SHALL BE USED TO CONSTRUCT THE EARTHEN CONTAINMENT DIKE. EXCESS MATERIAL NOT USED TO CONSTRUCT THE EARTHEN CONTAINMENT DIKE SHALL BE PLACED WITHIN THE MARSH CREATION AREA.

NOTE: THE ROCK DIKE FOR BOTH THE CENTRAL AND THE SOUTHERN SEGMENT SHALL HAVE SIDE SLOPES OF 2 HORIZONTAL TO 1 VERTICAL.

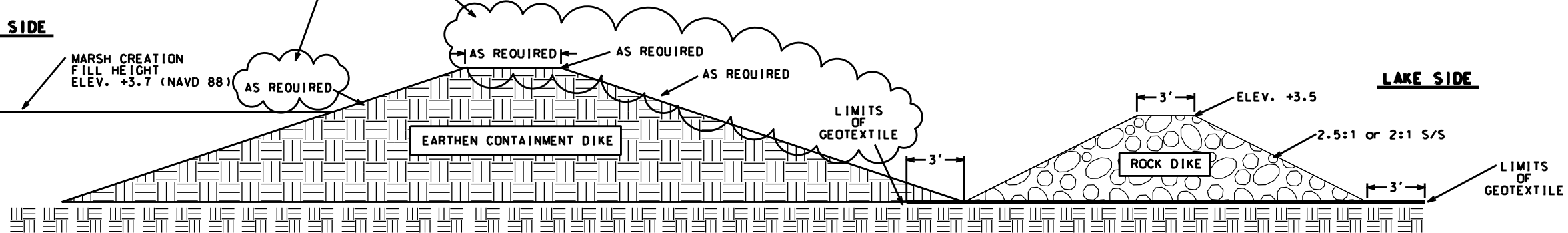
NOTE: THE CONSTRUCTED SIDE SLOPE FOR THE EARTHEN CONTAINMENT DIKE SHALL BE AS REQUIRED TO CONTAIN THE DREDGE FILL MATERIAL.

AMENDMENT #2

TYPICAL SECTION-2 (CENTRAL & SOUTHERN SEGMENT)
(NOT TO SCALE)

MARSH SIDE

MARSH CREATION FILL HEIGHT ELEV. +3.7 (NAVD 88)



LAKE SIDE

"AS-BUILT"

DETAILS-ROCK DIKE WITH PARALLEL EARTHEN CONTAINMENT DIKE
(NOT TO SCALE)

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M2	07/07	R.F.	D.E.

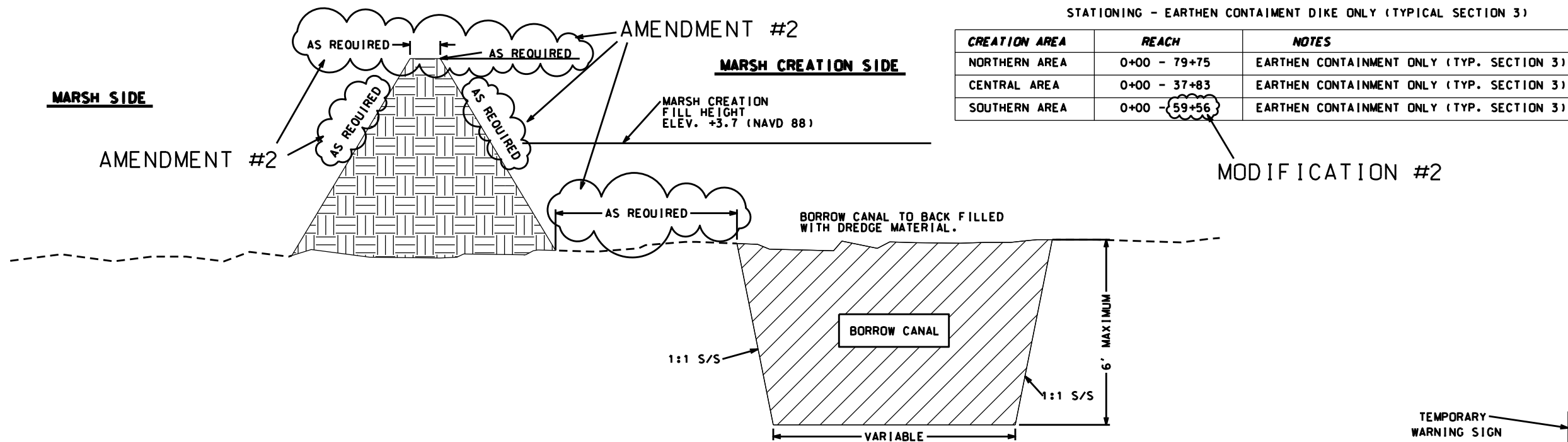
Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

TYPICAL SECTIONS
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346

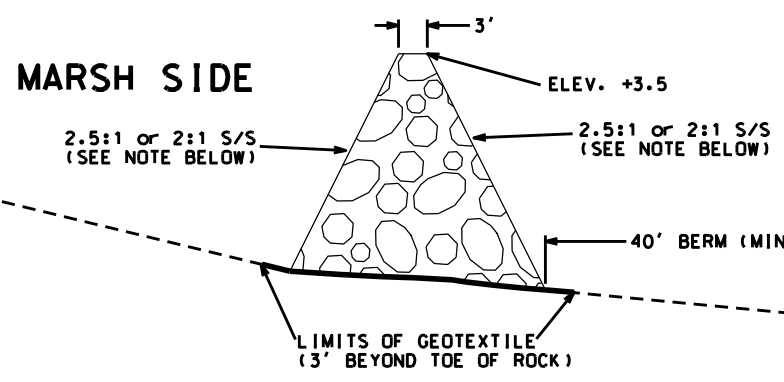
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LA346020M2.dgn



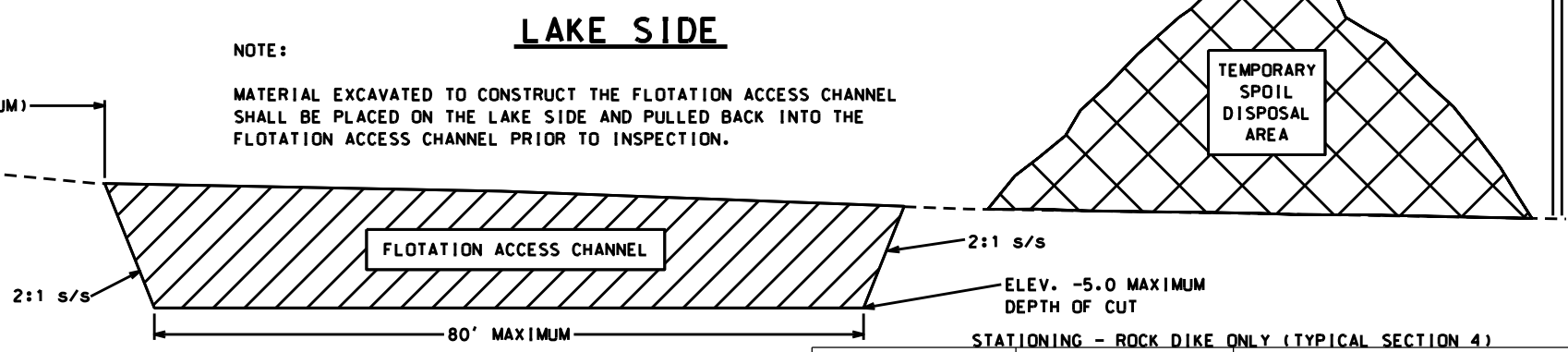
TYPICAL SECTION-3 (NORTHERN, CENTRAL & SOUTHERN AREAS) EARTHEN CONTAINMENT ONLY (NOT TO SCALE)

STATIONING - EARTHEN CONTAINMENT DIKE ONLY (TYPICAL SECTION 3)

CREATION AREA	REACH	NOTES
NORTHERN AREA	0+00 - 79+75	EARTHEN CONTAINMENT ONLY (TYP. SECTION 3)
CENTRAL AREA	0+00 - 37+83	EARTHEN CONTAINMENT ONLY (TYP. SECTION 3)
SOUTHERN AREA	0+00 - 59+56	EARTHEN CONTAINMENT ONLY (TYP. SECTION 3)



NOTE: THE ROCK DIKE FOR THE NORTHERN SEGMENT SHALL HAVE SIDE SLOPES OF 2.5 HORIZONTAL TO 1 VERTICAL. THE ROCK DIKE FOR THE CENTRAL AND THE SOUTHERN SEGMENT SHALL HAVE SIDE SLOPES OF 2 HORIZONTAL TO 1 VERTICAL.

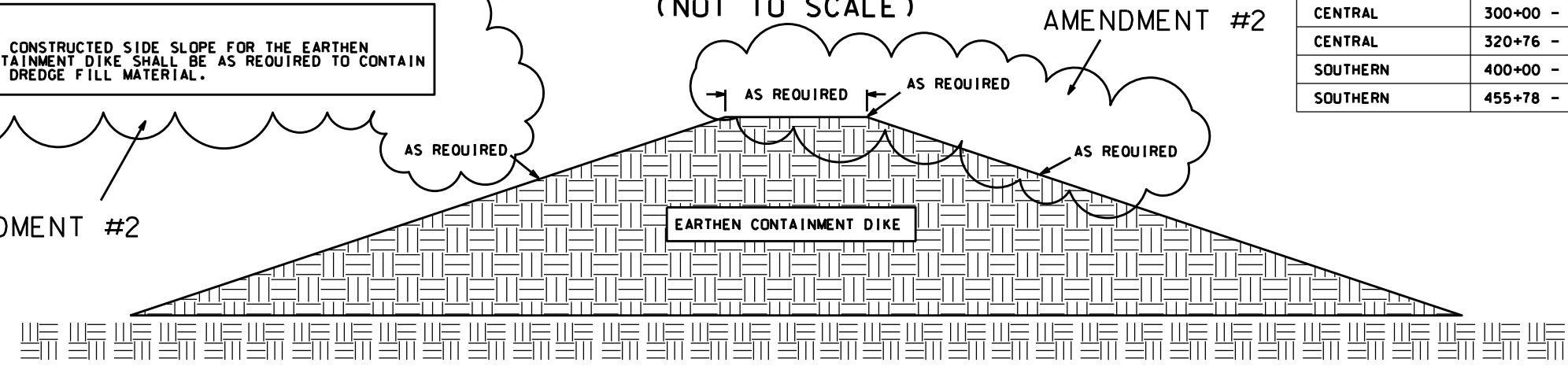


STATIONING - ROCK DIKE ONLY (TYPICAL SECTION 4)

SEGMENT	REACH	NOTES
NORTHERN	100+00 - 122+21	ROCK DIKE ONLY (TYPICAL SECTION 4)
NORTHERN	153+69 - 154+60	ROCK DIKE ONLY (TYPICAL SECTION 4)
CENTRAL	300+00 - 301+59	ROCK DIKE ONLY (TYPICAL SECTION 4)
CENTRAL	320+76 - 323+97	ROCK DIKE ONLY (TYPICAL SECTION 4)
SOUTHERN	400+00 - 401+12	ROCK DIKE ONLY (TYPICAL SECTION 4)
SOUTHERN	455+78 - 460+09	ROCK DIKE ONLY (TYPICAL SECTION 4)

TYPICAL SECTION-4 (ROCK ONLY) (NOT TO SCALE)

NOTE: THE CONSTRUCTED SIDE SLOPE FOR THE EARTHEN CONTAINMENT DIKE SHALL BE AS REQUIRED TO CONTAIN THE DREDGE FILL MATERIAL.



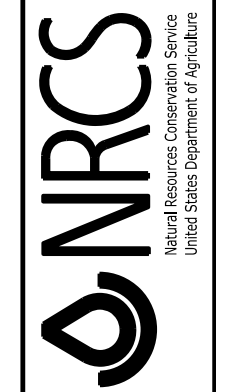
DETAILS-EARTHEN CONTAINMENT DIKE ONLY (NOT TO SCALE)

"AS-BUILT"

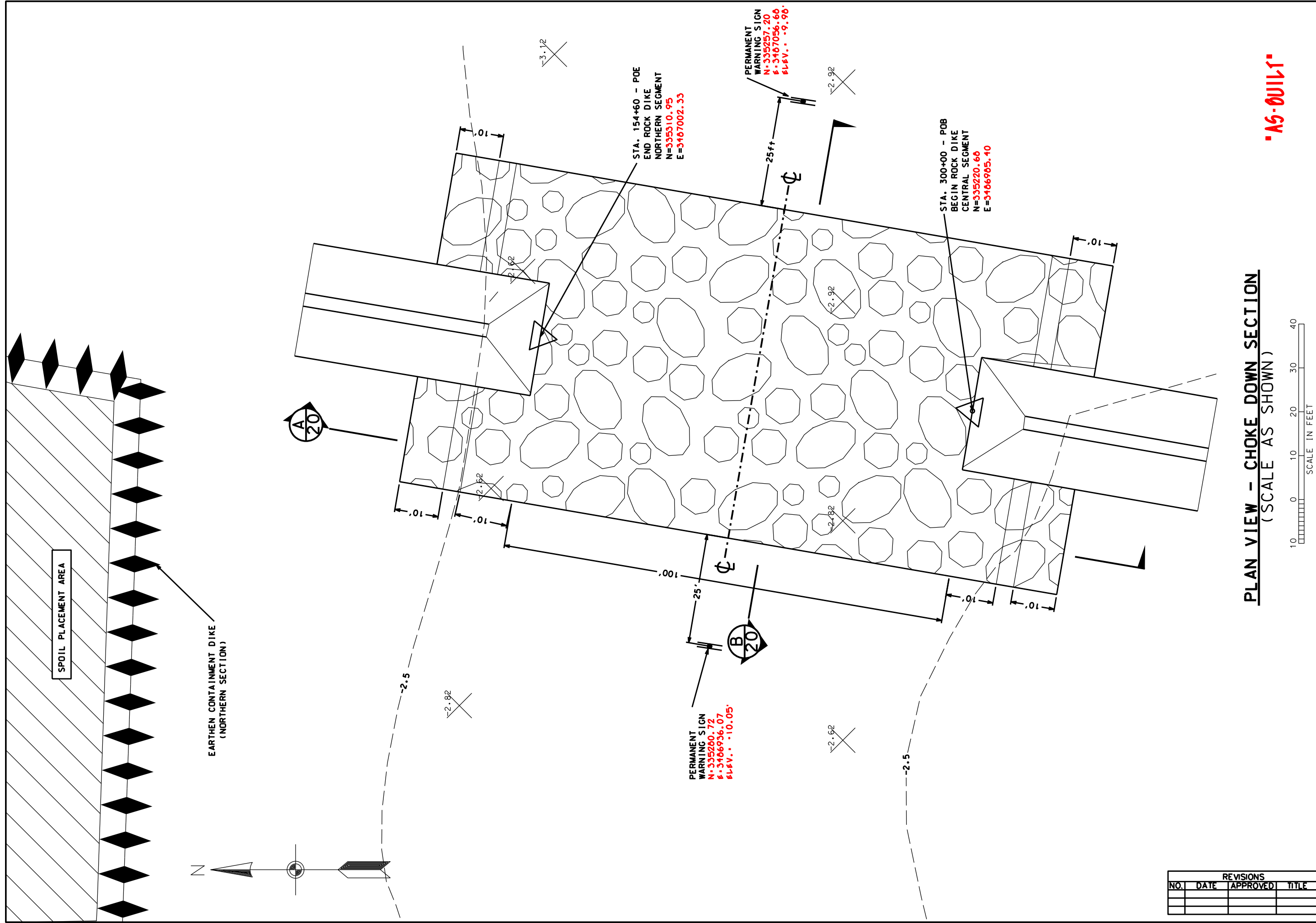
REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M2	07/07	R.F.	D.E.

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

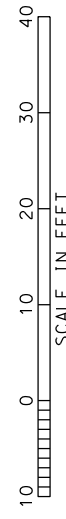
TYPICAL SECTIONS
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA




File Name	LA-346
Drawing Name	LA346021M2.dgn
Sheet	21M2 of 65



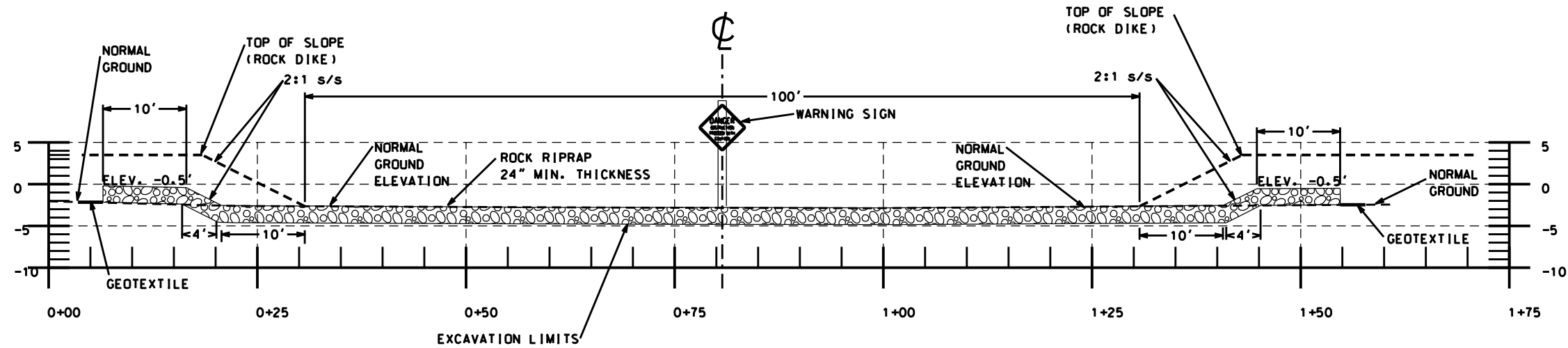
PLAN VIEW - CHOKEDOWN SECTION
(SCALE AS SHOWN)



REVISIONS			
NO.	DATE	APPROVED	TITLE

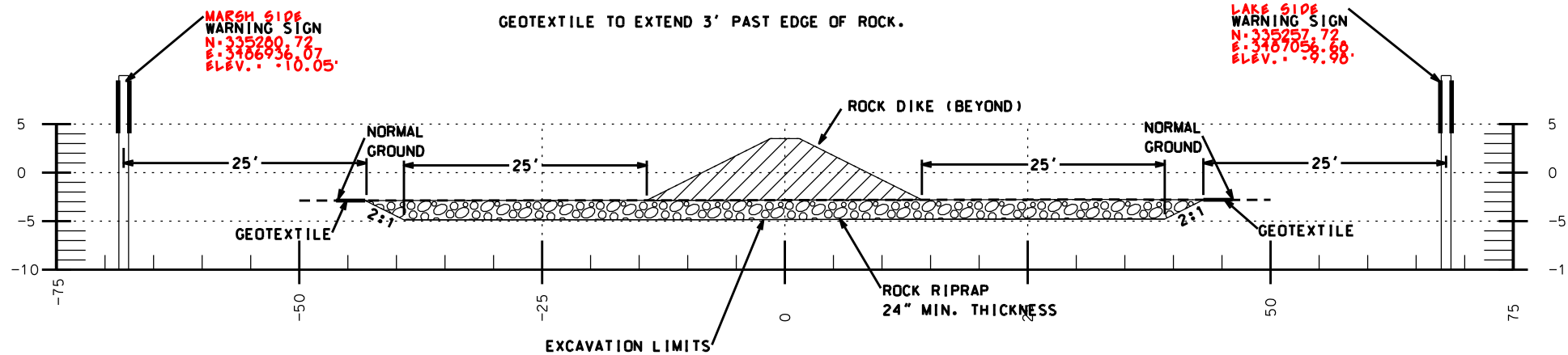
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	Drawing Name LA346022.dgn	Designed R. FAULKNER
CHOKEDOWN DETAILS TE-46 - WEST LAKE BOUDREAU CONSTRUCTION UNIT NO. 1 TERREBONNE PARISH, LOUISIANA	Checked B.A. STICKER	Date 06/06
	Approved E.J. GIERING III	Date 06/06

NOTE.
 THE ELEVATION OF THE TOP OF THE ROCK
 IN THE CHOKE DOWN SECTION SHALL BE
 NO HIGHER THAN EXISTING WATER BOTTOM
 GEOTEXTILE TO EXTEND 3' PAST EDGE OF ROCK.



CHOKE DOWN SECTION A
 (SCALE AS SHOWN) 19

NOTE.
 THE ELEVATION OF THE TOP OF THE ROCK
 IN THE CHOKE DOWN SECTION SHALL BE
 NO HIGHER THAN EXISTING WATER BOTTOM.
 GEOTEXTILE TO EXTEND 3' PAST EDGE OF ROCK.



CHOKE DOWN SECTION B
 (SCALE AS SHOWN) 19

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE

Designed	R. FAULKNER	Date	08/05
Drawn	A.J. GREMILLON		08/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

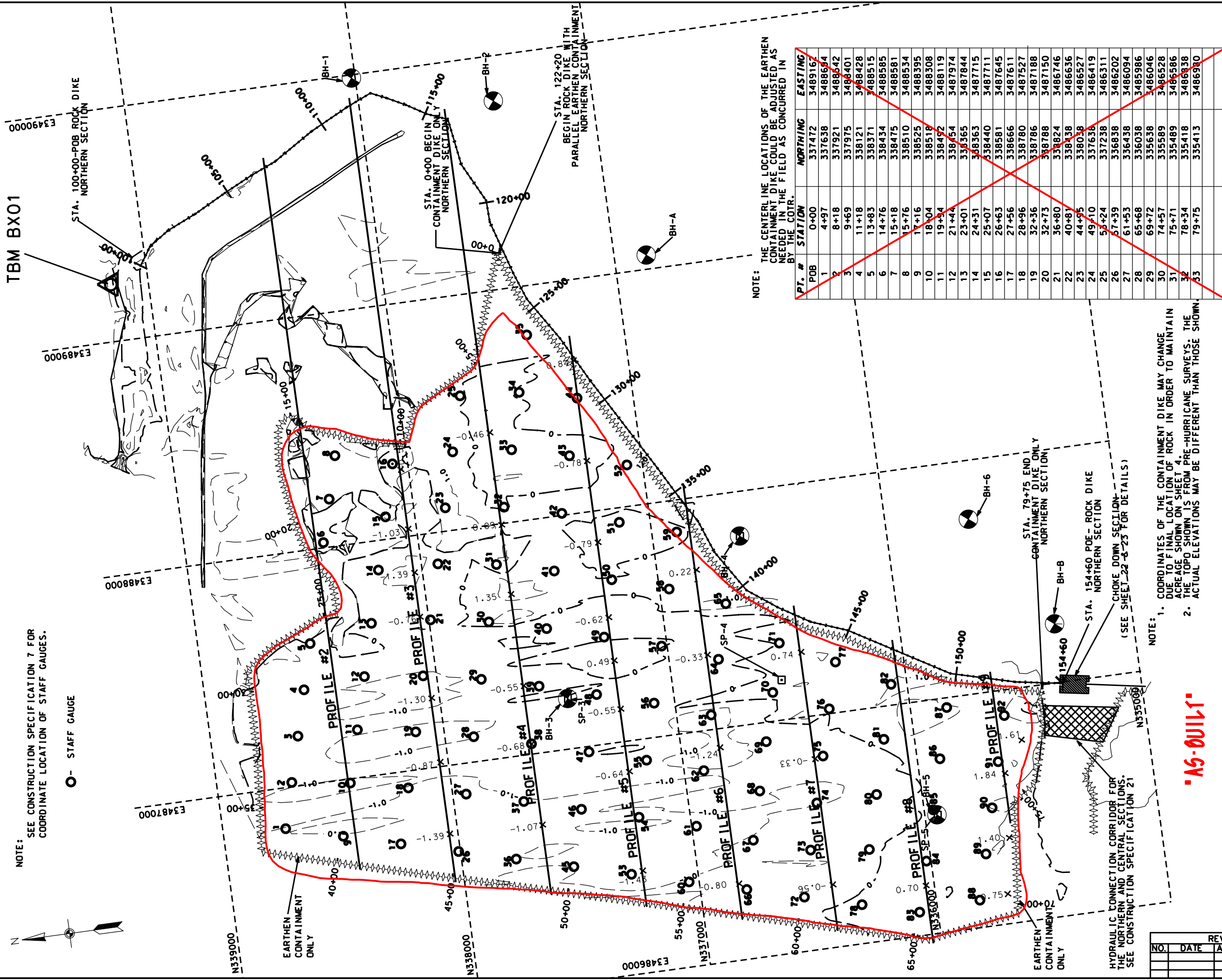
CHOKE DOWN DETAILS
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA



File Name
 LA-346

Drawing Name
 LA346023.dgn

MARSH CREATION AREA
NORTHERN SECTION = 127 ACRES



NOTE: SEE CONSTRUCTION SPECIFICATION 7 FOR COORDINATE LOCATION OF STAFF GAUGES.

○ - STAFF GAUGE

NOTE: THE CENTERLINE LOCATIONS OF THE EARTHEN CONTAINMENT DIKE COULD BE ADJUSTED AS NEEDED IN THE FIELD AS CONCURRED IN BY THE CONTR.

PT. #	STATION	NORTHING	EASTING
1	0+00	337472	348916
2	4+97	337638	348864
3	8+18	337921	348842
4	9+69	337975	348840
5	11+18	338121	3488428
6	13+83	338371	3488515
7	14+76	338434	3488585
8	15+18	338475	3488581
9	15+76	338510	3488534
10	17+16	338525	3488395
11	18+04	338518	3488308
12	19+54	338492	3488119
13	21+44	338754	3487974
14	23+01	338365	3487844
15	24+31	338363	3487715
16	25+07	338440	3487711
17	26+63	338581	3487645
18	27+56	338666	3487611
19	28+96	338780	3487527
20	32+36	338786	3487188
21	32+73	338788	3487150
22	36+80	338824	3486746
23	40+81	338838	3486636
24	44+95	338038	3486527
25	49+10	337638	3486419
26	55+24	337238	3486311
27	57+39	336838	3486202
28	61+53	336438	3486094
29	65+68	336038	3485986
30	69+72	335638	3486046
31	74+57	335589	3486528
32	75+71	335489	3486586
33	78+34	335418	3486338
34	79+75	335413	3486930

NOTE: 1. COORDINATES OF THE CONTAINMENT DIKE MAY CHANGE DUE TO FINAL LOCATION OF ROCK IN ORDER TO MAINTAIN ACREAGE SHOWN ON SHEET 4.
2. THE TOPO SHOWN IS FROM PRE-HURRICANE SURVEYS. THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

NOTE:

WEST LAKE BOUDREAU - MARSH CREATION
NORTHERN SECTION - PLAN VIEW



THESE ARE NO CENTERLINE LOCATIONS OF THE EARTHEN CONTAINMENT FROM STA. 79+75 TO STA. 111+28. THIS REACH OF THE CONTAINMENT DIKE PARALLELS THE ROCK DIKE. THE ALIGNMENT OF THE ROCK DIKE WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.

REVISIONS			
NO.	DATE	APPROVED	TITLE

FILE NAME
LA-346

DRAWING NAME
LA346024.dgn

Sheet 24 of 65

Natural Resources Conservation Service
United States Department of Agriculture

DESIGNED
R. FAULKNER

DRAWN
A.J.J. GREMILLION

CHECKED
B.A. STICKER

APPROVED
E.J.J. GIERING III

DATE

01/05

01/05

06/06

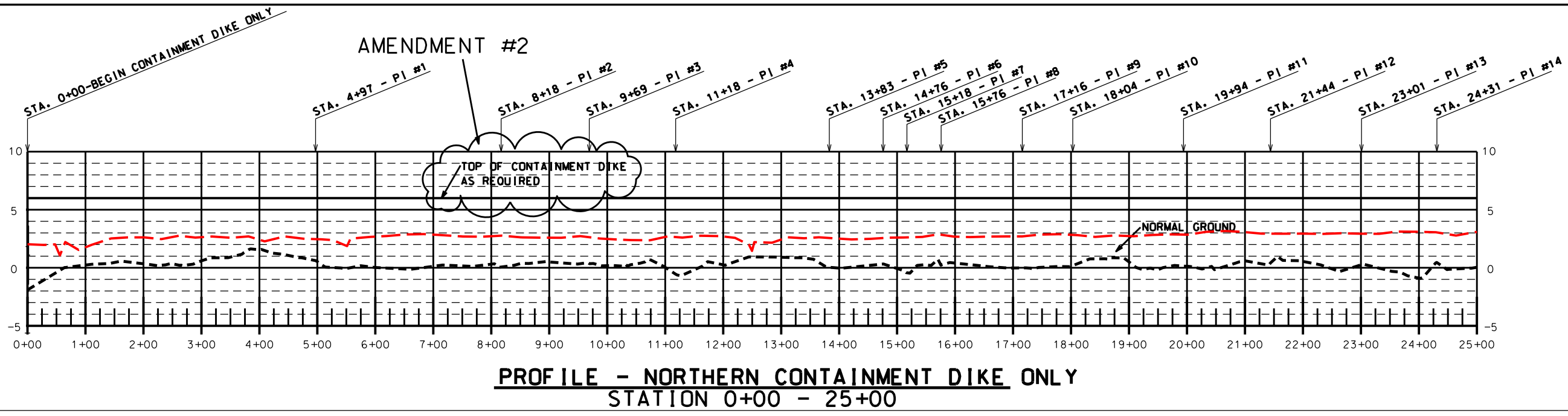
12/06

PLAN VIEW-NORTHERN MARSH CREATION AREA

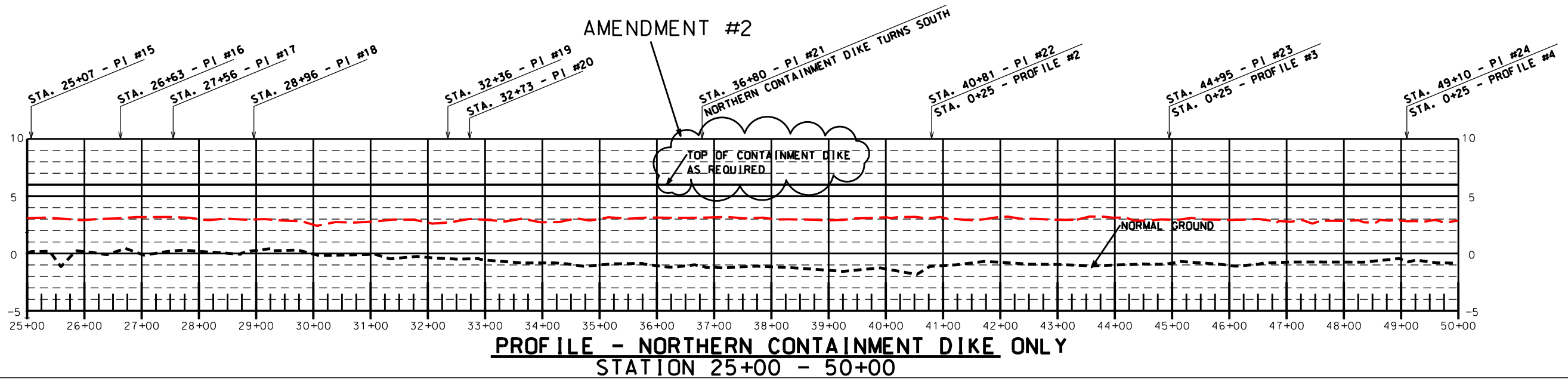
TE-46 - WEST LAKE BOUDREAU

CONSTRUCTION UNIT NO. 1

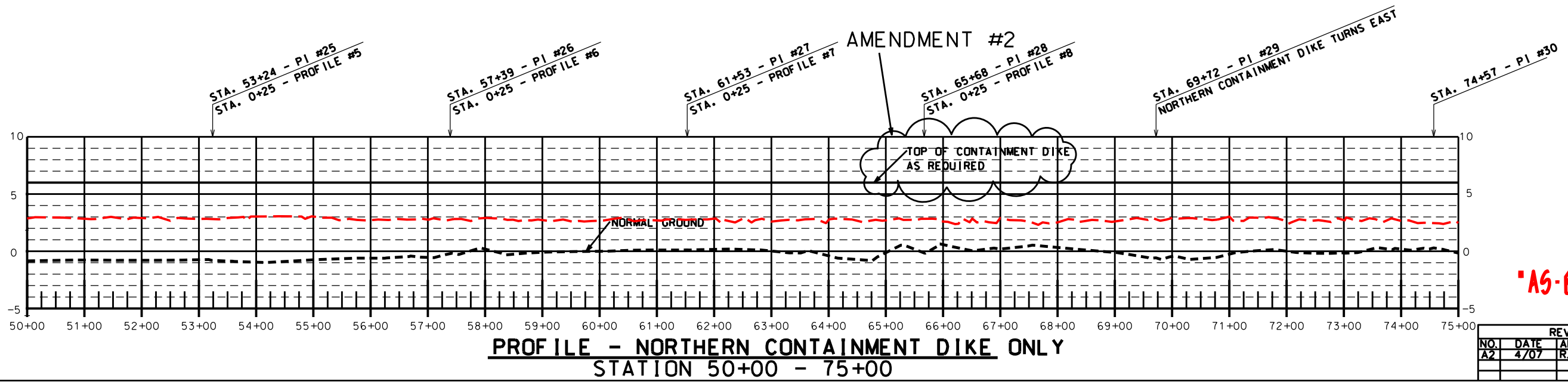
TERREBONNE PARISH, LOUISIANA



PROFILE - NORTHERN CONTAINMENT DIKE ONLY
STATION 0+00 - 25+00



PROFILE - NORTHERN CONTAINMENT DIKE ONLY
STATION 25+00 - 50+00



PROFILE - NORTHERN CONTAINMENT DIKE ONLY
STATION 50+00 - 75+00

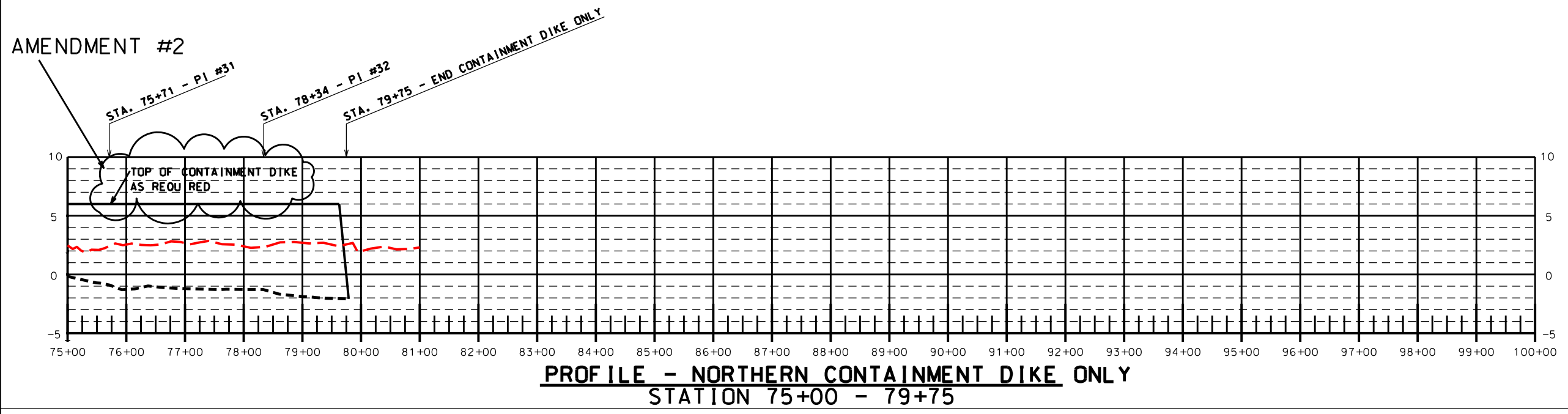
REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	4/07	R.F.	D.E.

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

PROFILE-NORTHERN CONTAINMENT DIKE
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346025A2.dgn

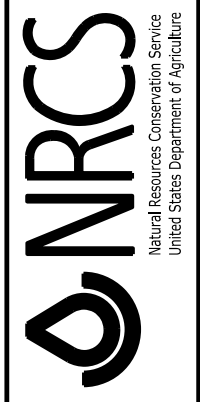


PROFILE - NORTHERN CONTAINMENT DIKE ONLY
STATION 75+00 - 79+75

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

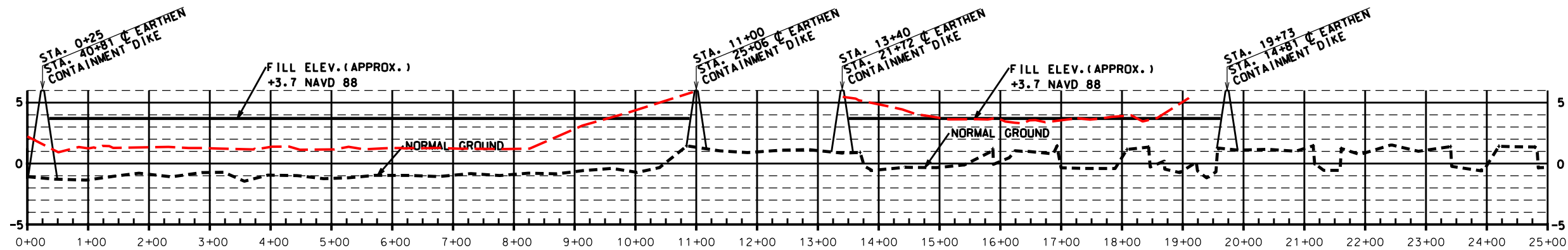
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TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



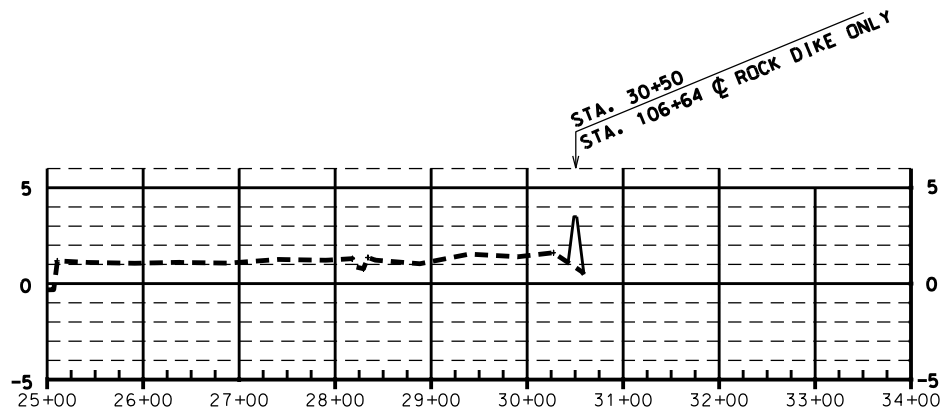
File Name
LA-346

Drawing Name
LA346026A2.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	4/07	R.F.	D.E.



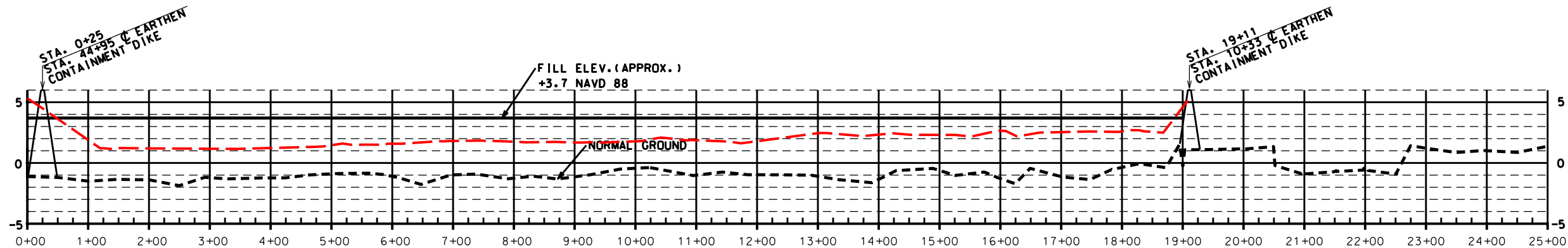
PROFILE #2 (WEST TO EAST)
STATION 0+00 - 25+00



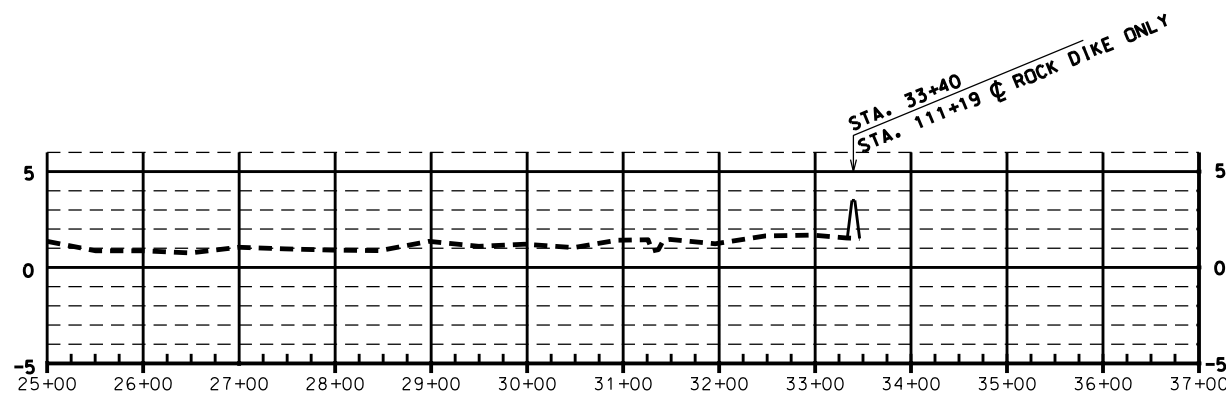
PROFILE #2 (WEST TO EAST)
STATION 25+00 - 33+39

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.



PROFILE #3 (WEST TO EAST)
STATION 0+00 - 25+00



PROFILE #3 (WEST TO EAST)
STATION 25+00 - 36+49

"AS-BUILT"

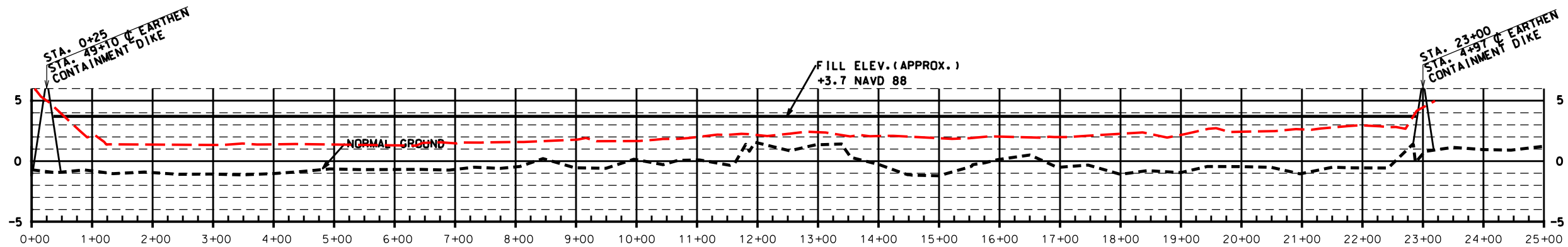
Date	01/05
Designed	R. FAULKNER
Drawn	A.-J. GREMILLON
Checked	B. A. STICKER
Approved	E.-J. GIERING III

PROFILE #2 & PROFILE #3
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

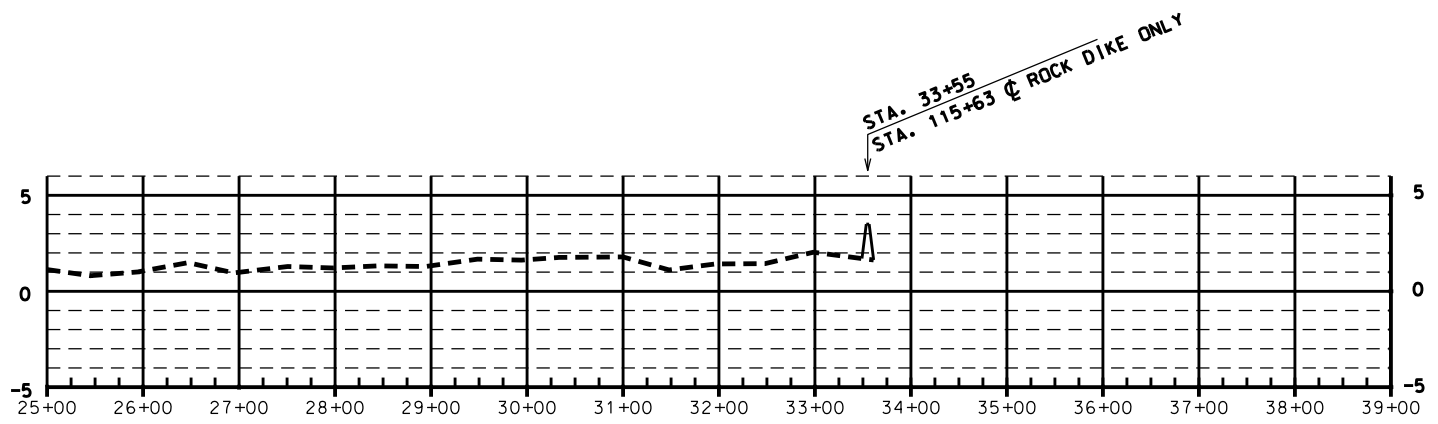


File Name	LA-346
Drawing Name	LA346027.dgn
Sheet	27 of 65

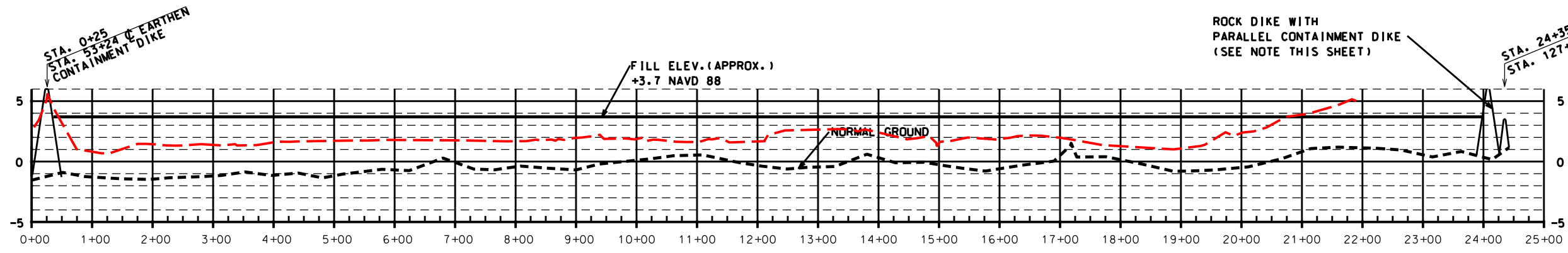
REVISIONS			
NO.	DATE	APPROVED	TITLE



PROFILE #4 (WEST TO EAST)
STATION 0+00 - 25+00



PROFILE #4 (WEST TO EAST)
STATION 25+00 - 38+45



PROFILE #5 (WEST TO EAST)
STATION 0+00 - 25+00

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

NOTE:

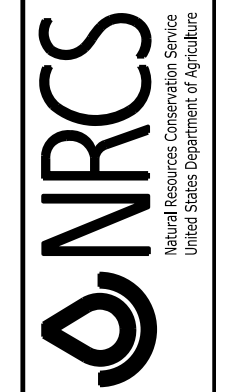
THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

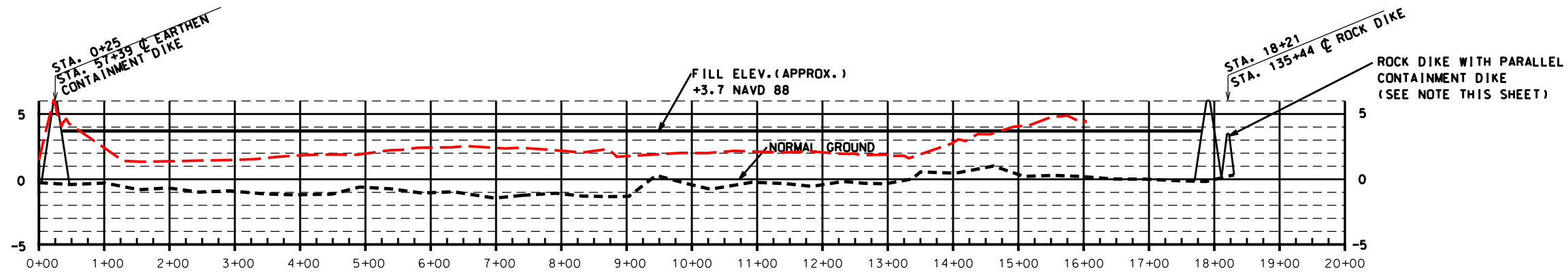
REVISIONS			
NO.	DATE	APPROVED	TITLE

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

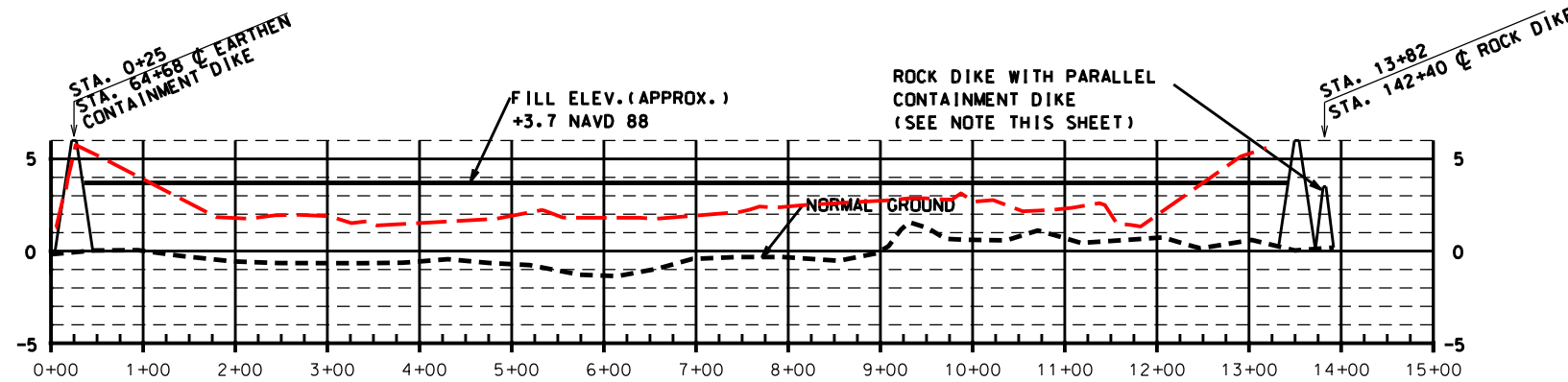
PROFILE #4 & PROFILE #5
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346028.dgn
Sheet	28 of 65



PROFILE #6 (WEST TO EAST)
STATION 0+00 - 25+00



PROFILE #7 (WEST TO EAST)
STATION 0+00 - 25+00

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

NOTE:

THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

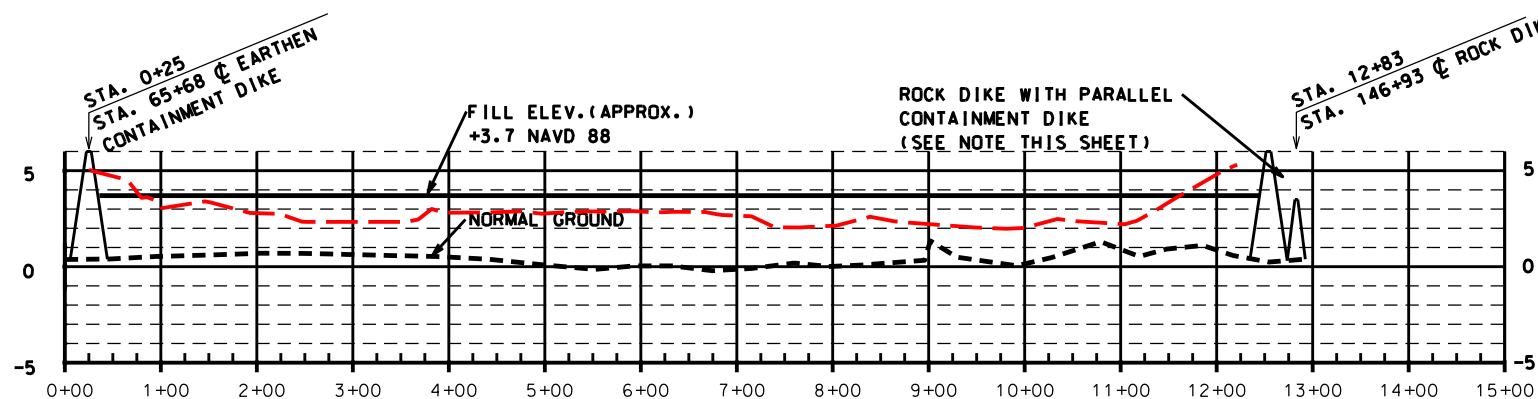
REVISIONS			
NO.	DATE	APPROVED	TITLE

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

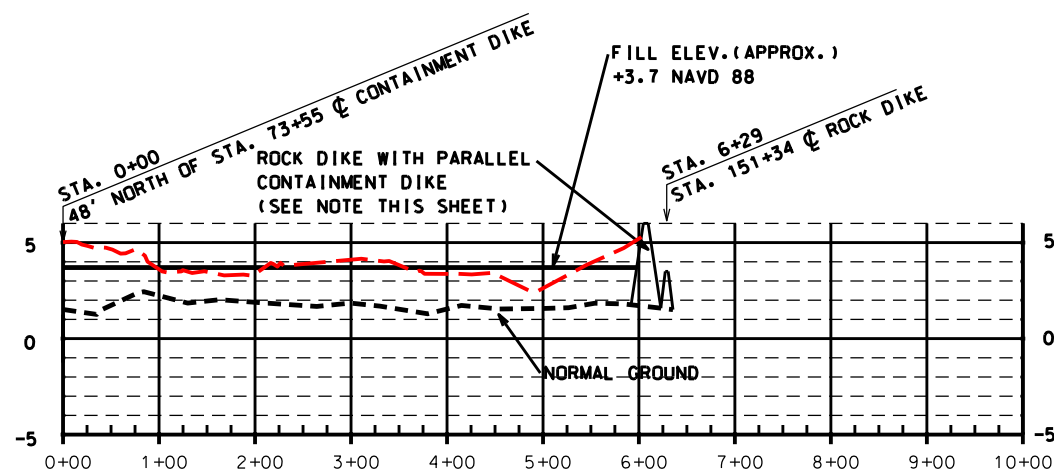
PROFILE #6 & PROFILE #7
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346029.dgn
Sheet	29 of 65



PROFILE #8 (WEST TO EAST)
STATION 0+00 - 24+72



PROFILE #9 (WEST TO EAST)
STATION 0+00 - 15+54

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

NOTE:

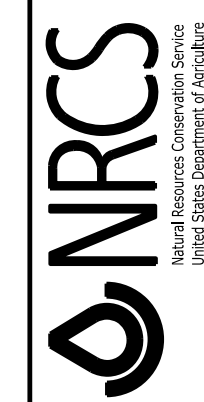
THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

PROFILE #8 & PROFILE #9
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



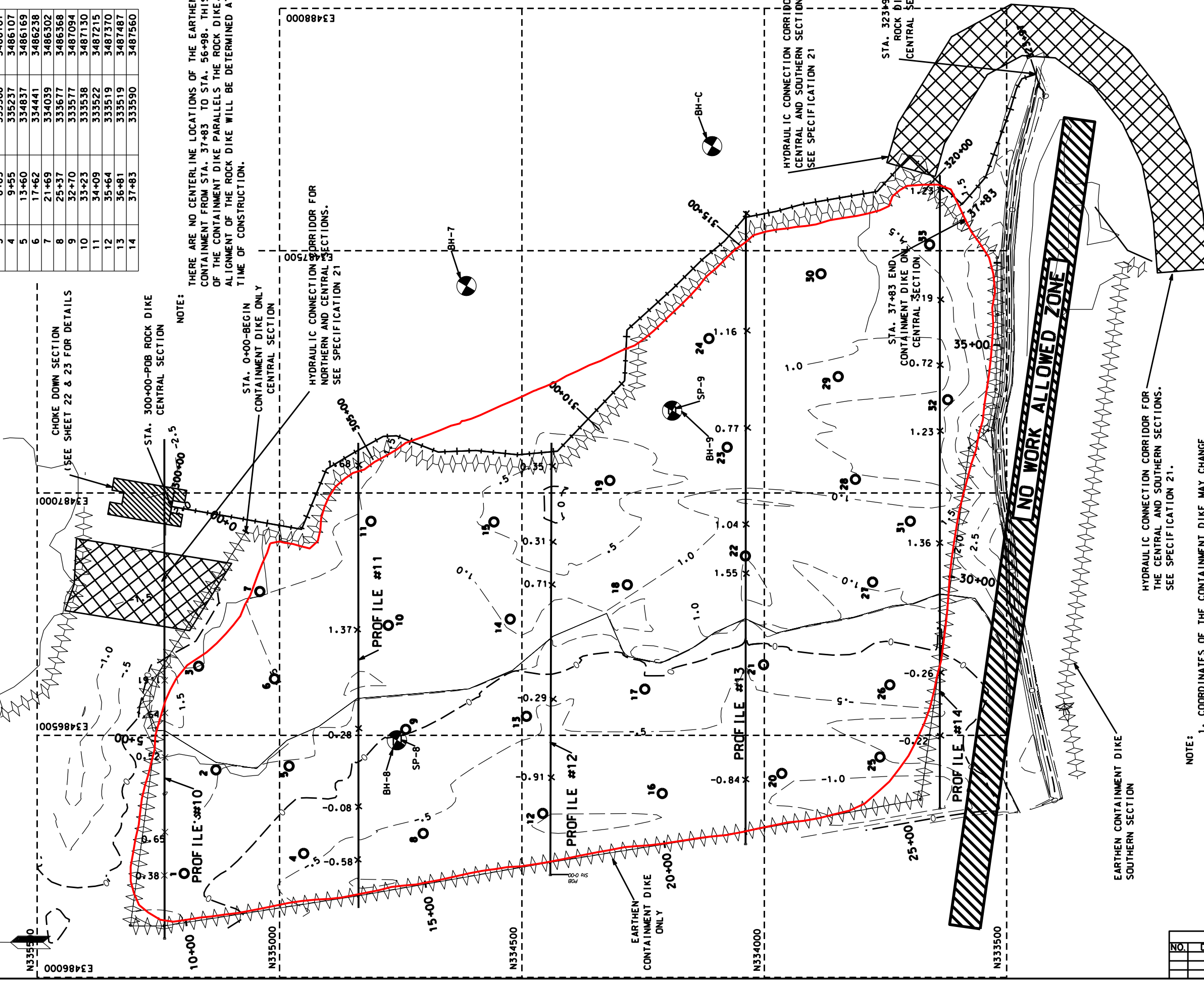
File Name	LA-346
Drawing Name	LA346030.dgn
Sheet	30 of 65

NOTE:
SEE CONSTRUCTION SPECIFICATION 7 FOR
COORDINATE LOCATION OF STAFF GAUGES.

MARSH CREATION AREA
CENTRAL SEGMENT = 38 ACRES

NOTE:
THE CENTERLINE LOCATIONS OF THE EARTHEN
CONTAINMENT DIKE COULD BE ADJUSTED AS
NEEDED IN THE FIELD AS CONCURRED IN
BY THE COIR.

PT. #	STATION	NORTHING	EASTING
POB	0+00	335070	3486920
1	4+06	335284	3486574
2	4+75	335253	3486513
3	8+85	335308	3486107
4	9+55	335237	3486107
5	13+60	334837	3486169
6	17+62	334441	3486238
7	21+69	334039	3486302
8	25+37	333677	3486368
9	32+70	333577	3487094
10	33+23	333538	3487130
11	34+09	333522	3487215
12	35+64	333519	3487370
13	36+81	333519	3487487
14	37+83	333590	3487560



NOTE:
THERE ARE NO CENTERLINE LOCATIONS OF THE EARTHEN
CONTAINMENT FROM STA. 37+83 TO STA. 56+98. THIS REACH
OF THE CONTAINMENT DIKE PARALLELS THE ROCK DIKE. THE
ALIGNMENT OF THE ROCK DIKE WILL BE DETERMINED AT THE
TIME OF CONSTRUCTION.

NOTE:
1. COORDINATES OF THE CONTAINMENT DIKE MAY CHANGE
DUE TO FINAL LOCATION OF ROCK IN ORDER TO MAINTAIN
ACREAGE SHOWN ON SHEET 4.
2. THE TOPO SHOWN IS FROM PRE-HURRICANE SURVEYS. THE
ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

WEST LAKE BOUDREAU - MARSH CREATION
CENTRAL SECTION - PLAN VIEW



REVISIONS			
NO.	DATE	APPROVED	TITLE

Natural Resources Conservation Service
United States Department of Agriculture

File Name
LA-346

Drawing Name
LA346031.dgn

Sheet 31 of 65

PLAN VIEW-CENTRAL MARSH CREATION AREA
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

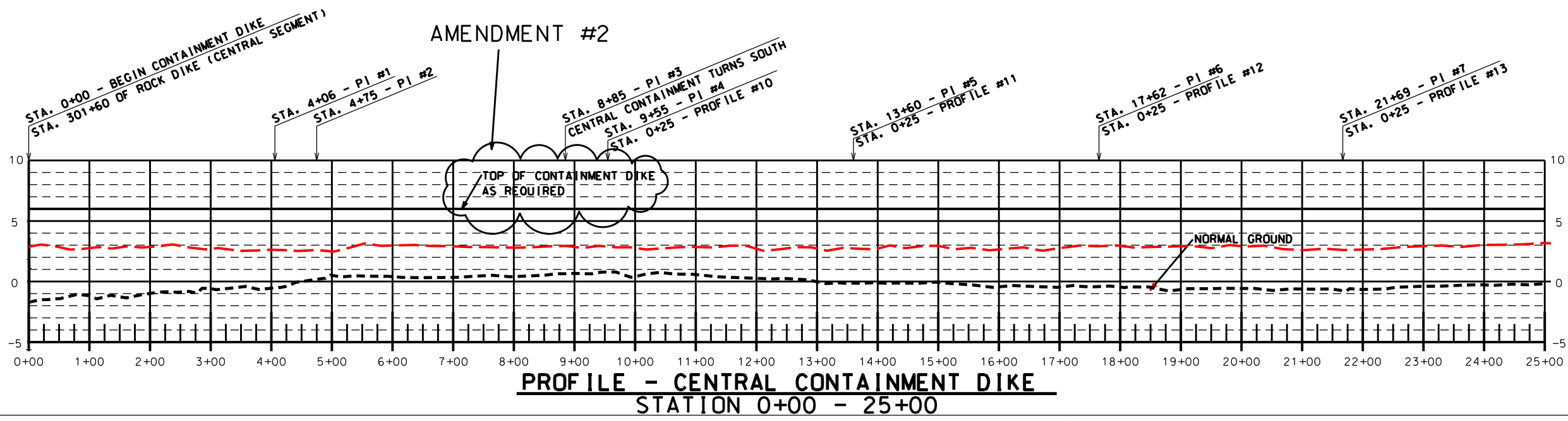
Designed R. FAULKNER Date 01/05

Drawn A.J. GREMILLON Date 01/05

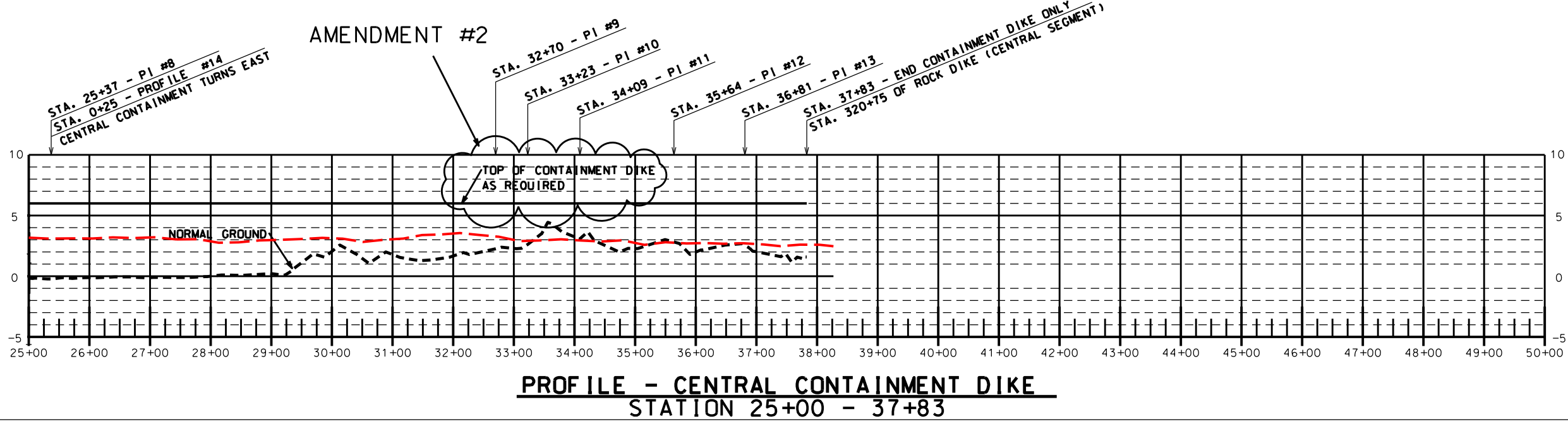
Checked B.A. STICKER Date 06/06

Approved E.J. GIERING III Date 12/06

"AS-BUILT"



PROFILE - CENTRAL CONTAINMENT DIKE
STATION 0+00 - 25+00

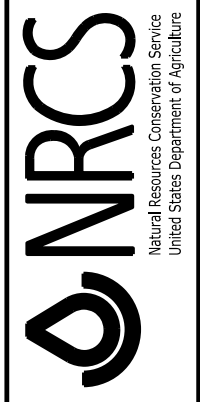


PROFILE - CENTRAL CONTAINMENT DIKE
STATION 25+00 - 37+83

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

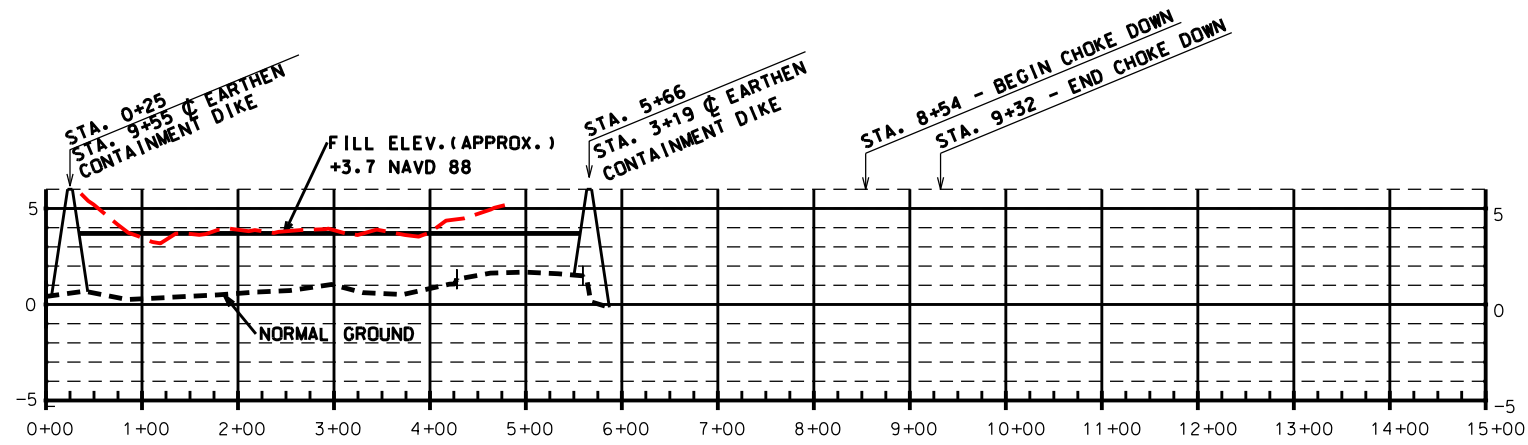
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TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



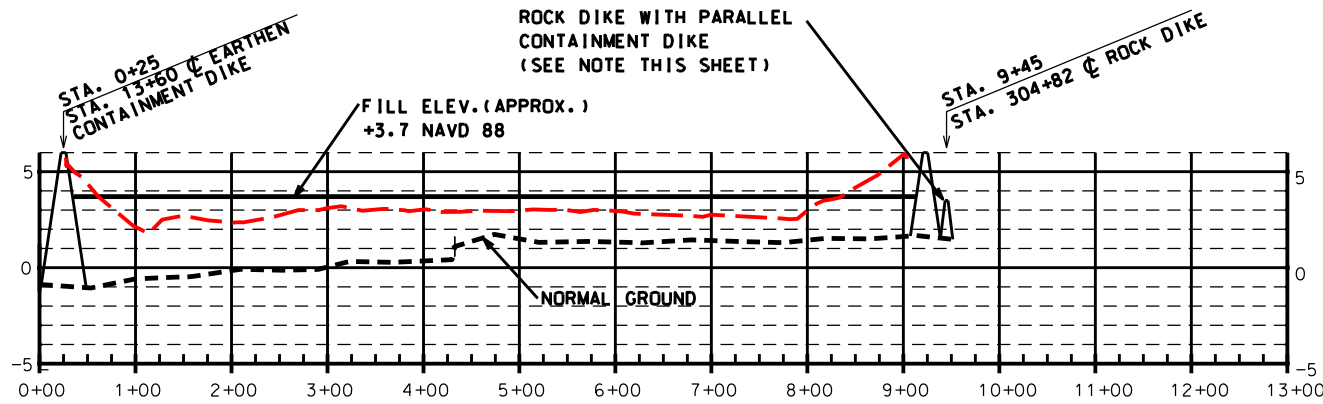
File Name
LA-346

Drawing Name
LA346032A2.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	4/07	R.F.	D.E.



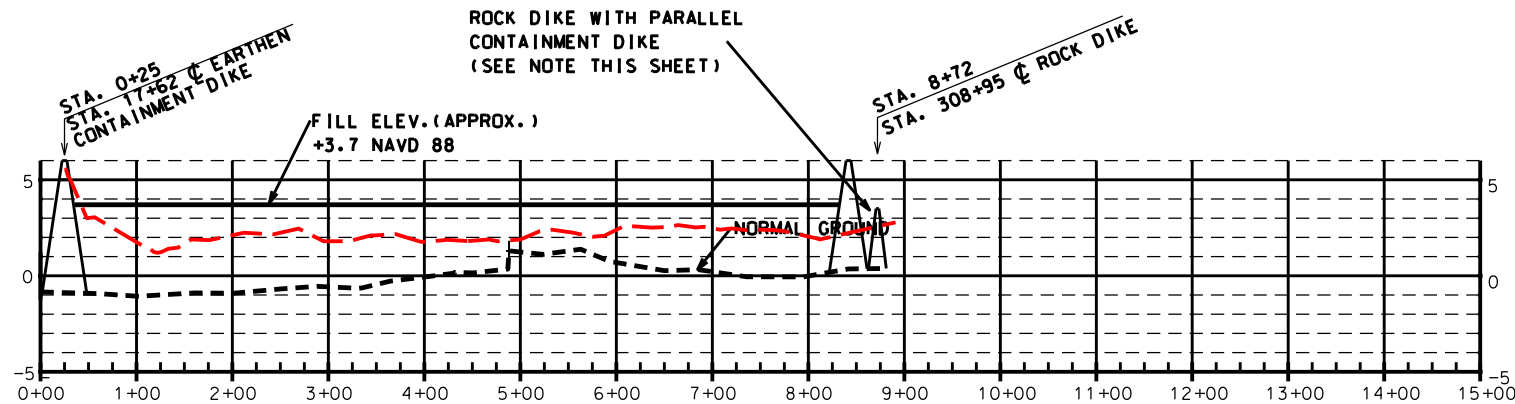
PROFILE #10 (WEST TO EAST)
STATION 0+00 - 14+19



PROFILE #11 (WEST TO EAST)
STATION 0+00 - 12+78

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.



PROFILE #12 (WEST TO EAST)
STATION 0+00 - 14+31

NOTE:

THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

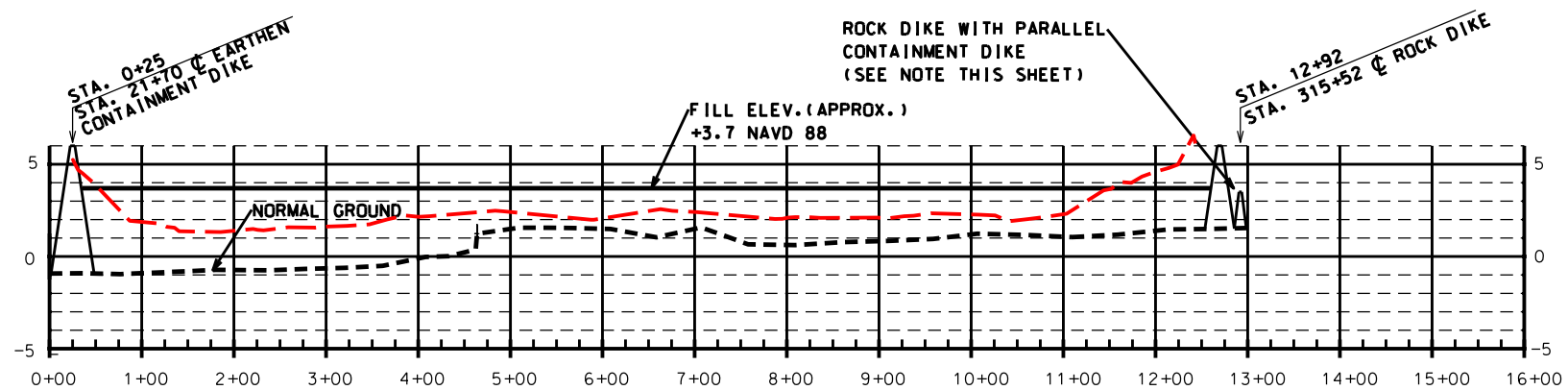
PROFILE #10, PROFILE #11 & PROFILE #12
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



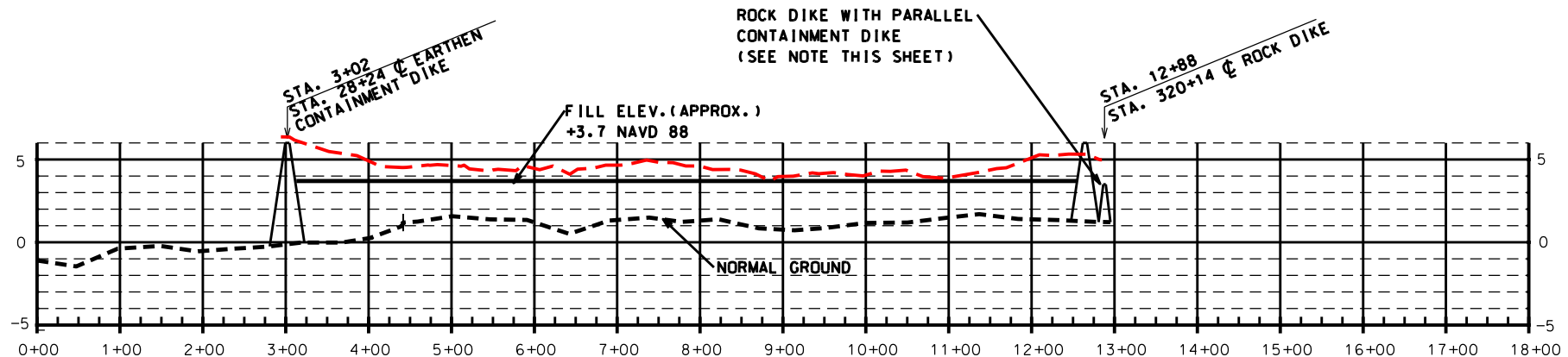
File Name
LA-346

Drawing Name
LA346033.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE



PROFILE #13 (WEST TO EAST)
STATION 0+00 - 15+90



PROFILE #14 (WEST TO EAST)
STATION 0+00 - 17+38

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

"AS-BUILT"

NOTE:

THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

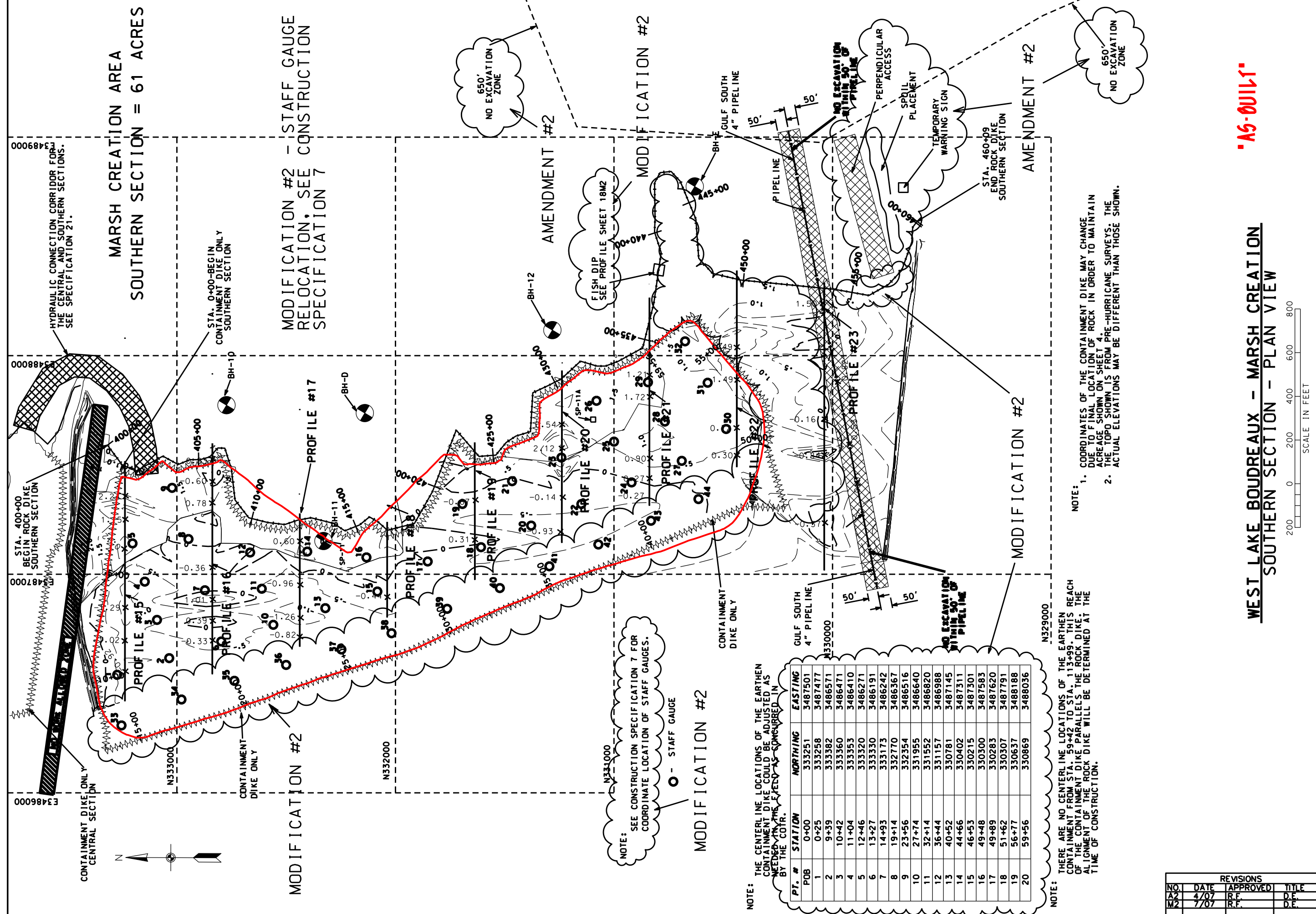
Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

PROFILE #13 & PROFILE #14
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346034.dgn
Sheet	34 of 65

REVISIONS			
NO.	DATE	APPROVED	TITLE



MARSH CREATION AREA
SOUTHERN SECTION = 61 ACRES

MODIFICATION #2 - STAFF GAUGE
RELOCATION, SEE CONSTRUCTION
SPECIFICATION 7

MODIFICATION #2

NOTE: SEE CONSTRUCTION SPECIFICATION 7 FOR
COORDINATE LOCATION OF STAFF GAUGES.

MODIFICATION #2

NOTE: THE CENTERLINE LOCATIONS OF THE EARTHEN
CONTAINMENT DIKE COULD BE ADJUSTED AS
NEEDED IN THE FIELD AS OCCURRED IN
BY THE CONTR.

PT. #	STATION	NORTHING	EASTING
POB	0+00	3487501	3487501
1	0+25	333258	3487477
2	9+39	333382	3486571
3	10+42	333360	3486471
4	11+04	333353	3486410
5	12+46	333320	3486271
6	13+27	333330	3486191
7	14+93	333173	3486242
8	19+14	332770	3486367
9	23+56	332354	3486516
10	27+74	331955	3486640
11	32+14	331552	3486820
12	36+44	331157	3486988
13	40+52	330781	3487145
14	44+66	330402	3487311
15	46+53	330215	3487301
16	49+48	330300	3487583
17	49+89	330283	3487620
18	51+62	330307	3487791
19	56+77	330637	3488188
20	59+56	330869	3488036

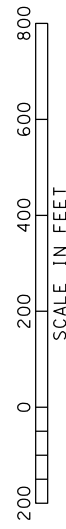
NOTE: THERE ARE NO CENTERLINE LOCATIONS OF THE EARTHEN
CONTAINMENT DIKE FROM STA. 59+42 TO STA. 113+99. THIS REACH
OF THE CONTAINMENT DIKE PARALLELS THE ROCK DIKE. THE
ALIGNMENT OF THE ROCK DIKE WILL BE DETERMINED AT THE
TIME OF CONSTRUCTION.

NOTE: 1. COORDINATES OF THE CONTAINMENT DIKE MAY CHANGE
DUE TO FINAL LOCATION OF ROCK IN ORDER TO MAINTAIN
ACREAGE SHOWN ON SHEET 4.
2. THE TOPO SHOWN IS FROM PRE-HURRICANE SURVEYS. THE
ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	4/07	R.F.	D.E.
M2	7/07	R.F.	D.E.

AS-BUILT

WEST LAKE BOUDREAU - MARSH CREATION
SOUTHERN SECTION - PLAN VIEW



FILE NAME
LA-346

DRAWING NAME
LA346035M2.dgn

SHEET 35M2 of 65

PLANNING
R. FAULKNER

DESIGNED
A.J.J. GREMILLION

DRAWN
B.A. STICKER

CHECKED
E.J.J. GIERING III

APPROVED

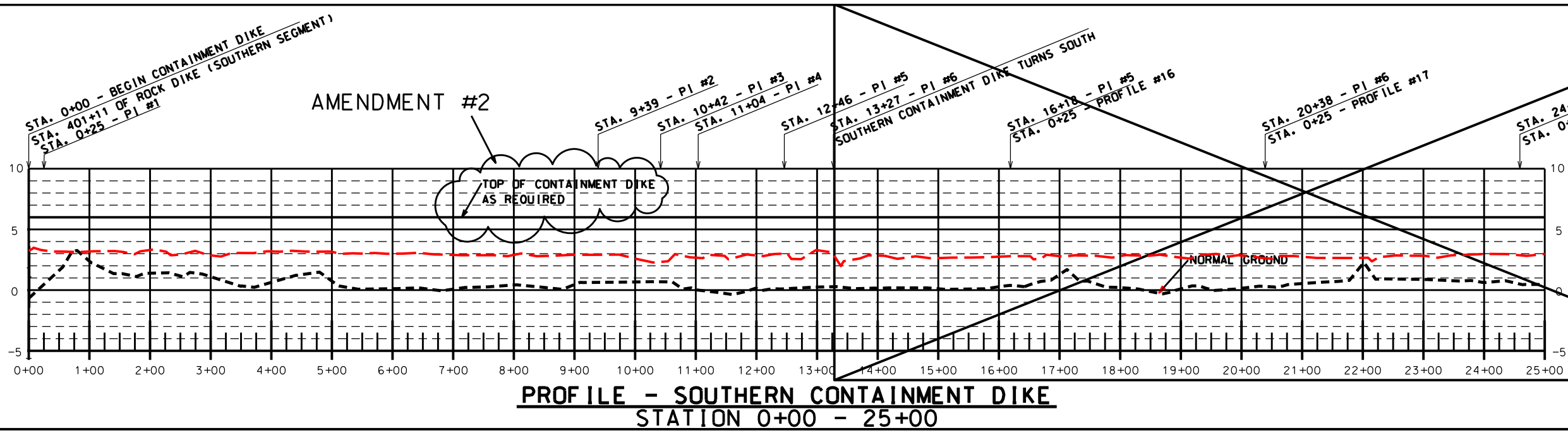
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01/05

DATE
01/05

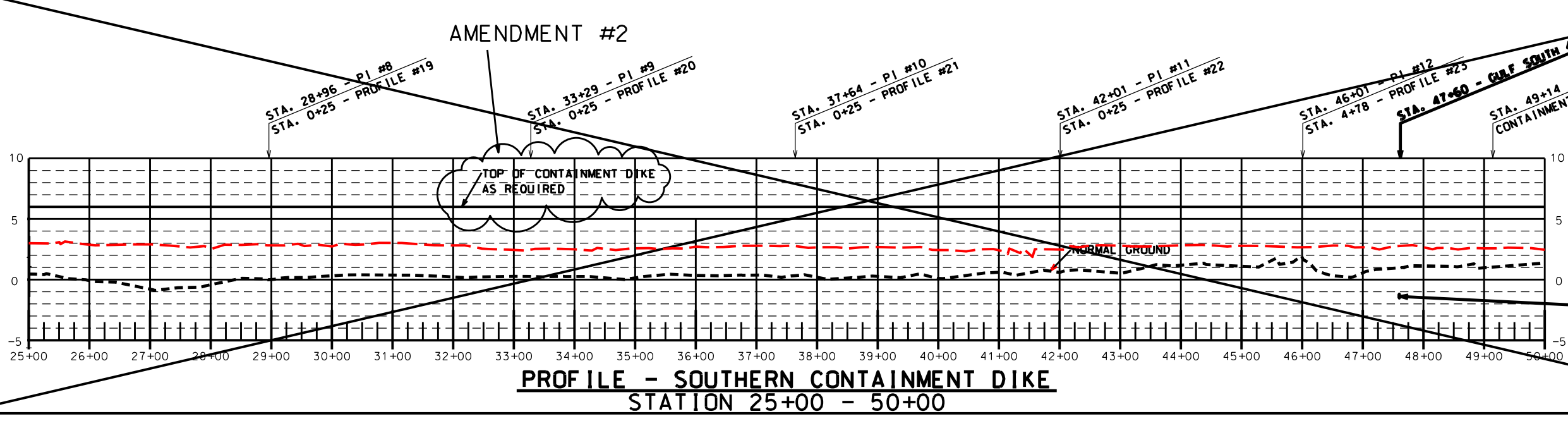
DATE
06/06

DATE
12/06

PLAN VIEW-SOUTHERN MARSH CREATION AREA
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



**PROFILE - SOUTHERN CONTAINMENT DIKE
STATION 0+00 - 25+00**



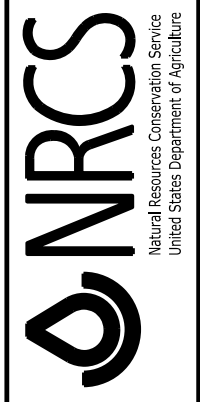
**PROFILE - SOUTHERN CONTAINMENT DIKE
STATION 25+00 - 50+00**

MODIFICATION #2 - PROFILE
OF RELOCATED CONTAINMENT DIKE
SHALL BE AS-BUILT

"AS-BUILT"

Date	01/05
Designed	R. FAULKNER
Drawn	A.J. GREMILLON
Checked	B.A. STICKER
Approved	E.J. GIERING III

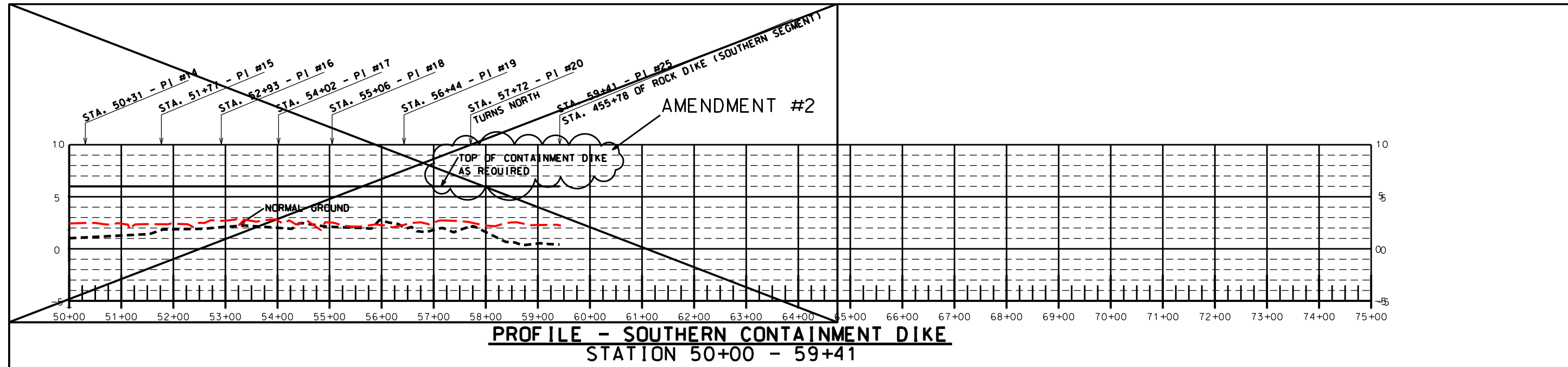
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TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346

Drawing Name
LA346036M2.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	4/07	R.F.	D.E.
M2	7/07	R.F.	D.E.



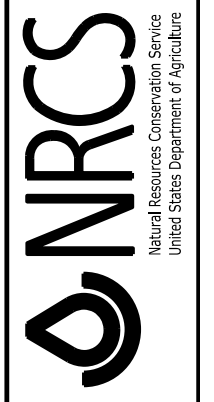
PROFILE - SOUTHERN CONTAINMENT DIKE
STATION 50+00 - 59+41

MODIFICATION #2 - PROFILE
OF RELOCATED CONTAINMENT DIKE
SHALL BE AS-BUILT

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

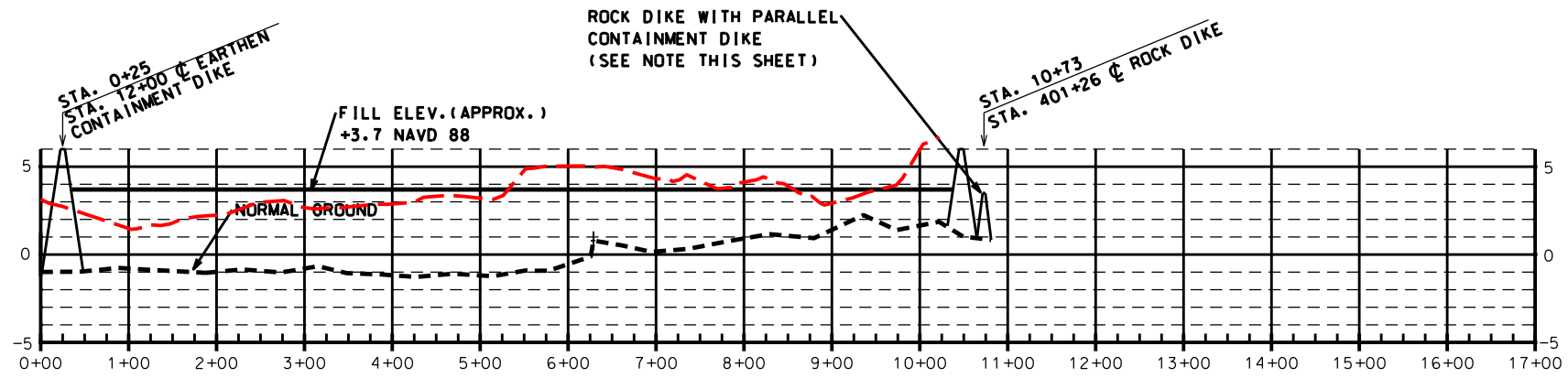
PROFILE - SOUTHERN CONTAINMENT DIKE
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



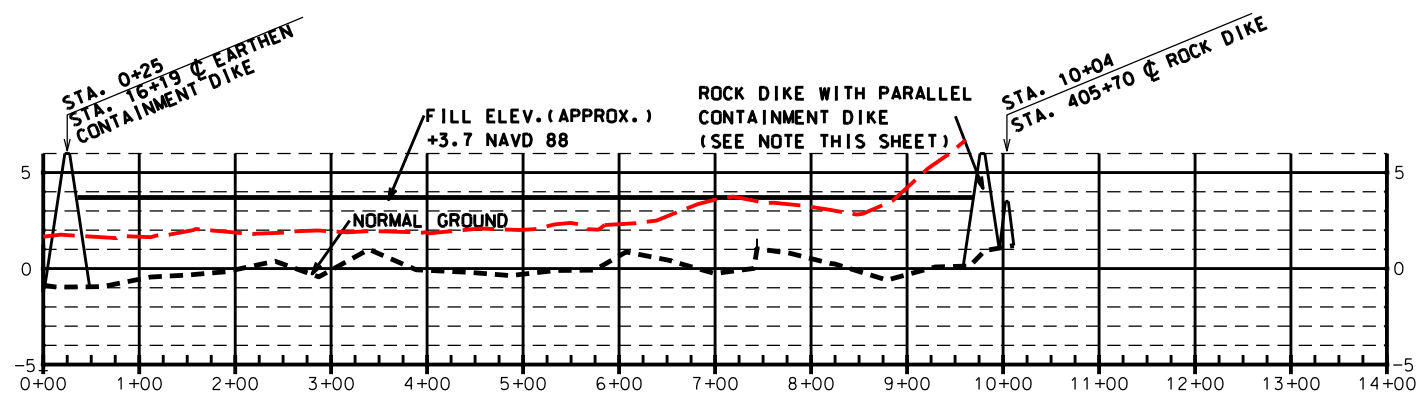
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Drawing Name
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M2	7/07	R.F.	D.E.



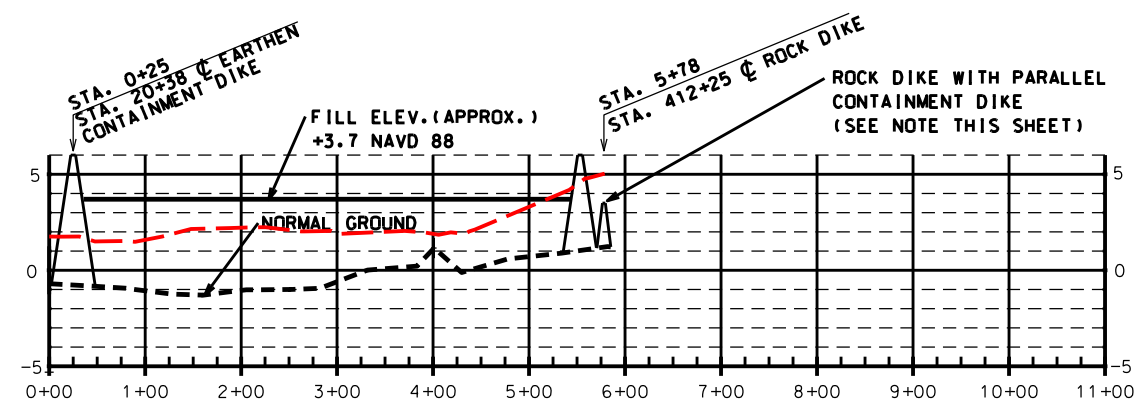
PROFILE #15 (WEST TO EAST)
STATION 0+00 - 16+59



PROFILE #16 (WEST TO EAST)
STATION 0+00 - 13+72

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERENT THAN THOSE SHOWN.



PROFILE #17 (WEST TO EAST)
STATION 0+00 - 10+83

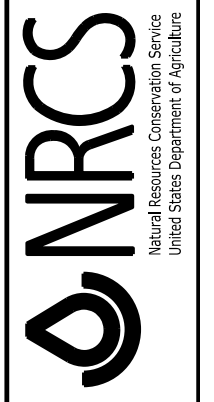
NOTE:

THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

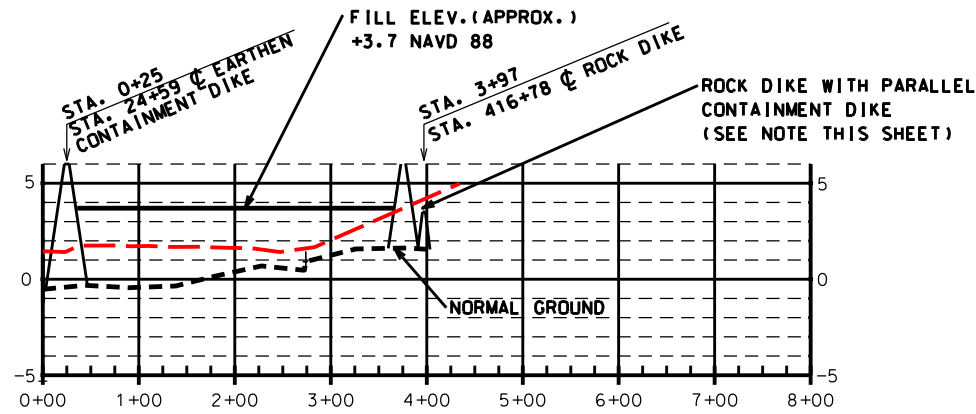
PROFILE #15, PROFILE #16 & PROFILE #17
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



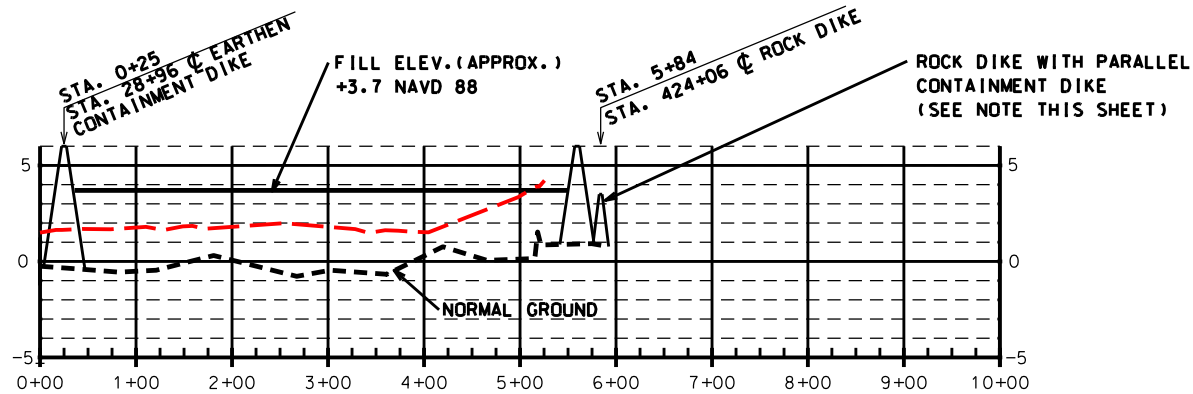
File Name
LA-346

Drawing Name
LA346038.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE



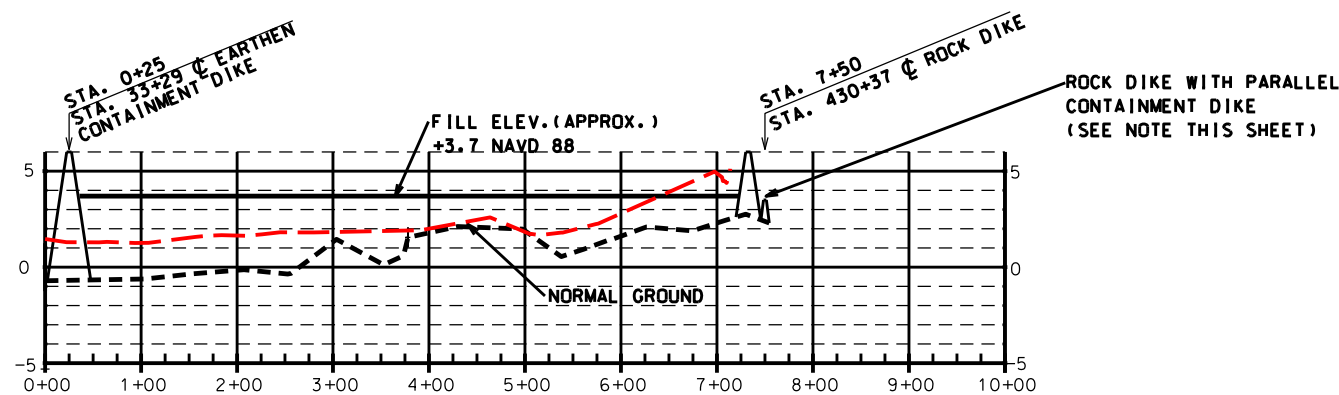
PROFILE #18 (WEST TO EAST)
STATION 0+00 - 12+01



PROFILE #19 (WEST TO EAST)
STATION 0+00 - 13+15

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERNT THAN THOSE SHOWN.



PROFILE #20 (WEST TO EAST)
STATION 0+00 - 13+21

NOTE:

THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

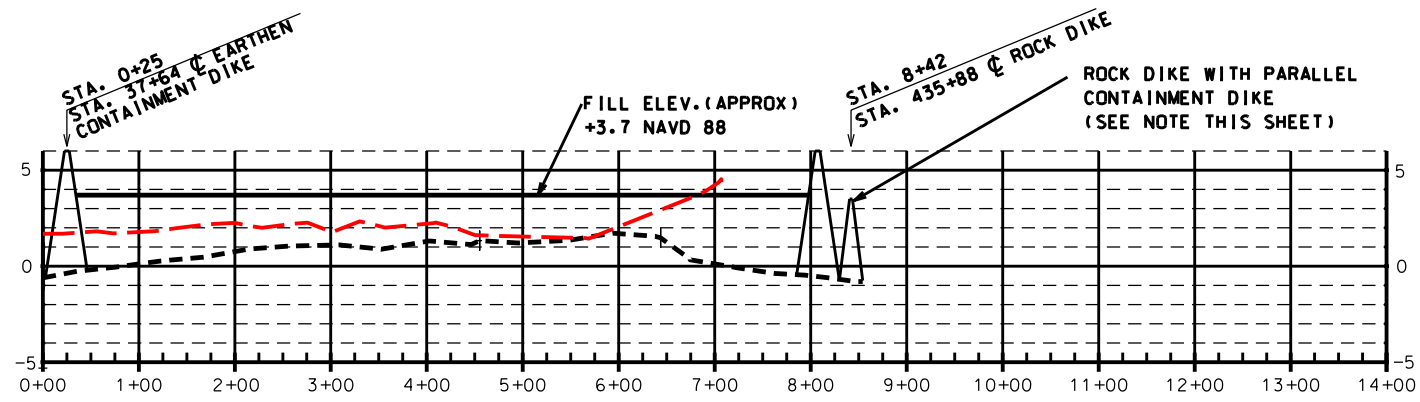
PROFILE #18, PROFILE #19 & PROFILE #20
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



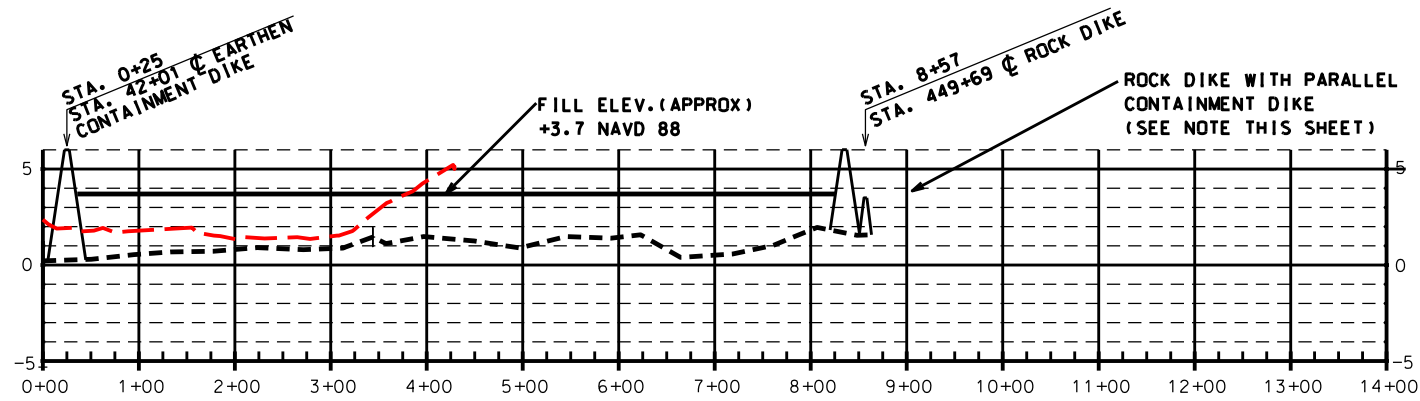
File Name
LA-346

Drawing Name
LA346039.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE



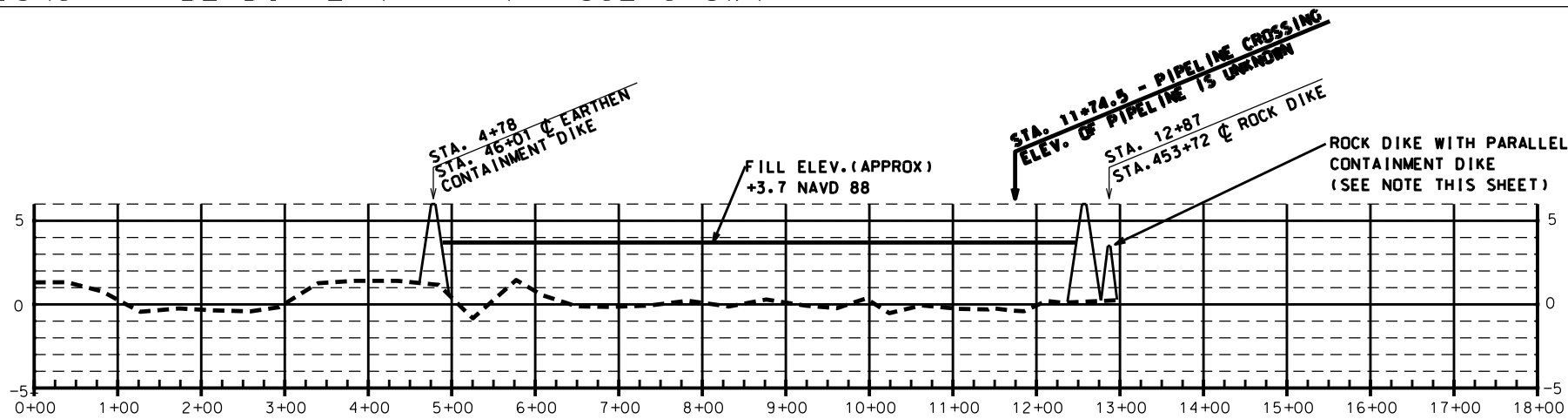
PROFILE #21 (WEST TO EAST)
STATION 0+00 - 18+29



PROFILE #22 (WEST TO EAST)
STATION 0+00 - 13+98

NOTE:

THE ELEVATIONS SHOWN ARE FROM PRE-HURRICANE SURVEYS.
THE ACTUAL ELEVATIONS MAY BE DIFFERNT THAN THOSE SHOWN.



PROFILE #23 (WEST TO EAST)
STATION 0+00 - 17+81

NOTE:

THE LOCATION OF THE ROCK DIKE WITH THE PARALLEL CONTAINMENT DIKE IS APPROXIMATE. THE ROCK DIKE SHALL BE CONSTRUCTED FIRST AND THE ALIGNMENT OF THE ROCK DIKE SHALL BE DETERMINED IN THE FIELD BY THE C.O.T.R.

"AS-BUILT"

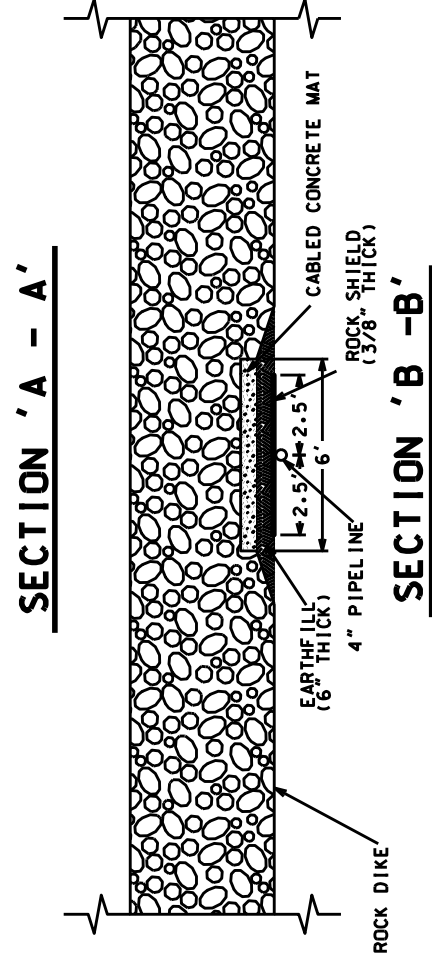
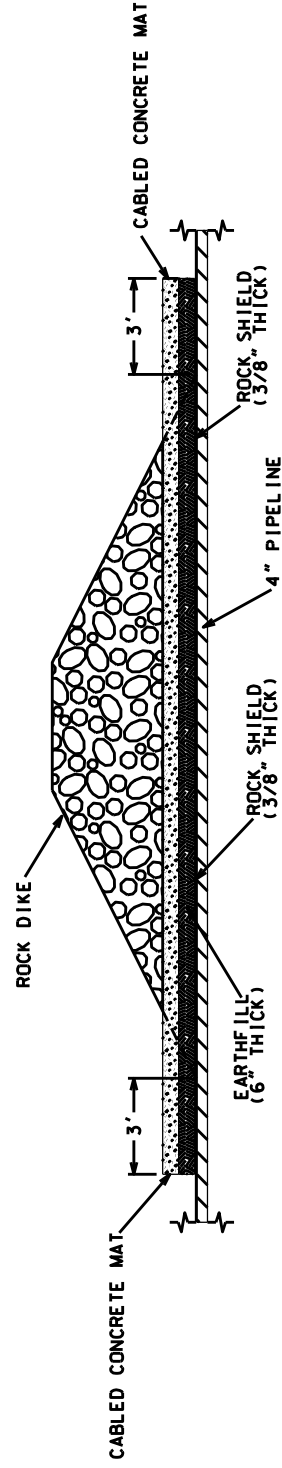
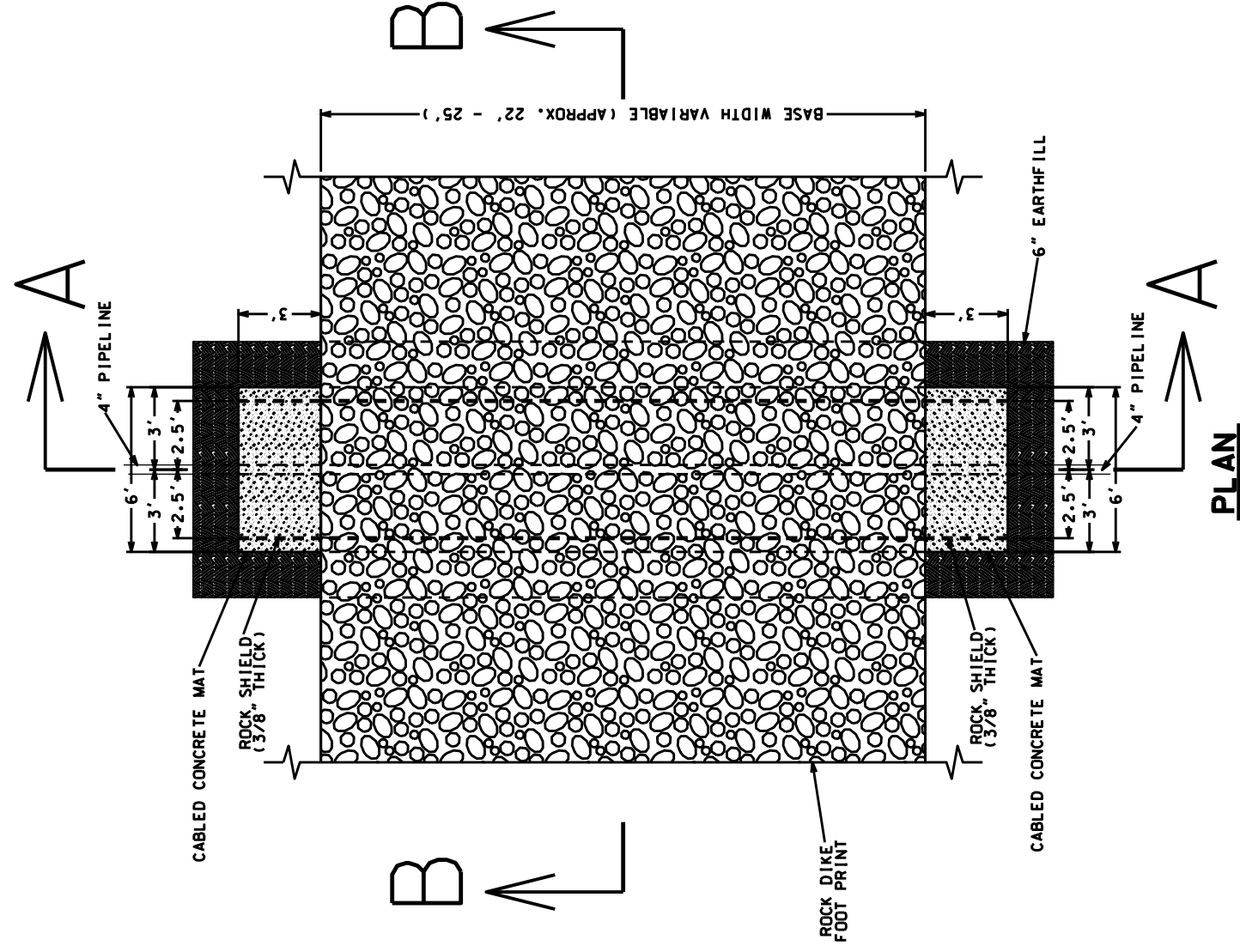
REVISIONS			
NO.	DATE	APPROVED	TITLE

Date	Designed	Drawn	Checked	Approved
01/05	R. FAULKNER	A.J. GREMILLON	B.A. STICKER	E.J. GIERING III
01/05				
06/06				
12/06				

PROFILE #21, PROFILE #22 & PROFILE #23
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346040.dgn
Sheet	40 of 65



"AS-BUILT"

DETAILS-ROCK DIKE @ 4" PIPELINE
(NOT TO SCALE)

REVISIONS			
NO.	DATE	APPROVED	TITLE

NOTE:
SEE CONSTRUCTION SPECIFICATIONS, SPECIAL PROVISIONS
FOR PIPELINE COMPANY CONTACT REQUIREMENTS

File Name
LA-346

Drawing Name
LA346041.dgn

GULF SOUTH 4" PIPELINE DETAILS
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



Date	
Designed	R. FAULKNER 01/05
Drawn	A.J. GREMILLON 01/05
Checked	B.A. STICKER 06/06
Approved	E.J. GIERING III 12/06

AMENDMENT #2

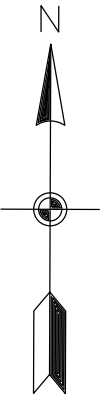
EARTHEN CONTAINMENT DIKE (SOUTHERN SECTION)
TOP ELEVATION - AS REQUIRED
TOP WIDTH - AS REQUIRED
SIDE SLOPES - AS REQUIRED

AMENDMENT #2

AS REQUIRED

AS REQUIRED

EARTHEN CONTAINMENT DIKE



45+00

AS REQUIRED

BORROW CHANNEL

BORROW CHANNEL (SOUTHERN SECTION)
DEPTH OF CUT: 6.0' MAX.
BOTTOM WIDTH: VARIABLE
SIDE SLOPES: 1 HORZ. / 1 VERT.

4" GULF SOUTH PIPELINE

ELEVATION OF 4" GULF SOUTH PIPELINE IS UNCERTAIN.

EARTHEN CONTAINMENT DIKE @ PIPELINE
(NOT TO SCALE)

PI#12
Sta. 46+01

46+00

47+00

THE ELEVATION OF THE 4" GULF SOUTH PIPELINE AT THE EARTHEN CONTAINMENT DIKE (STA. 47+60) IS UNCERTAIN.

Sta. 47+60
C of GULF SOUTH 4" PIPELINE

48+00

NOTE:
NO EXCAVATION ALLOWED WITHIN 50' OF PIPELINE.

MODIFICATION #2 - DELETE THIS SHEET

BORROW CHANNEL (SOUTHERN SECTION)
DEPTH OF CUT: 6.0' MAX.
BOTTOM WIDTH: VARIABLE
SIDE SLOPES: 1 HORZ. / 1 VERT.

BORROW CHANNEL

PI#13
Sta. 49+14

49+00

30' Berm

PI#14
Sta. 50+31

51+00

PI#15
Sta. 51+77

52+00

PI#16
Sta. 52+93

53+00

54+00

PLAN-EARTHEN CONTAINMENT DIKE ONLY @ PIPELINE
(SCALE AS SHOWN)



"AS-BUILT"

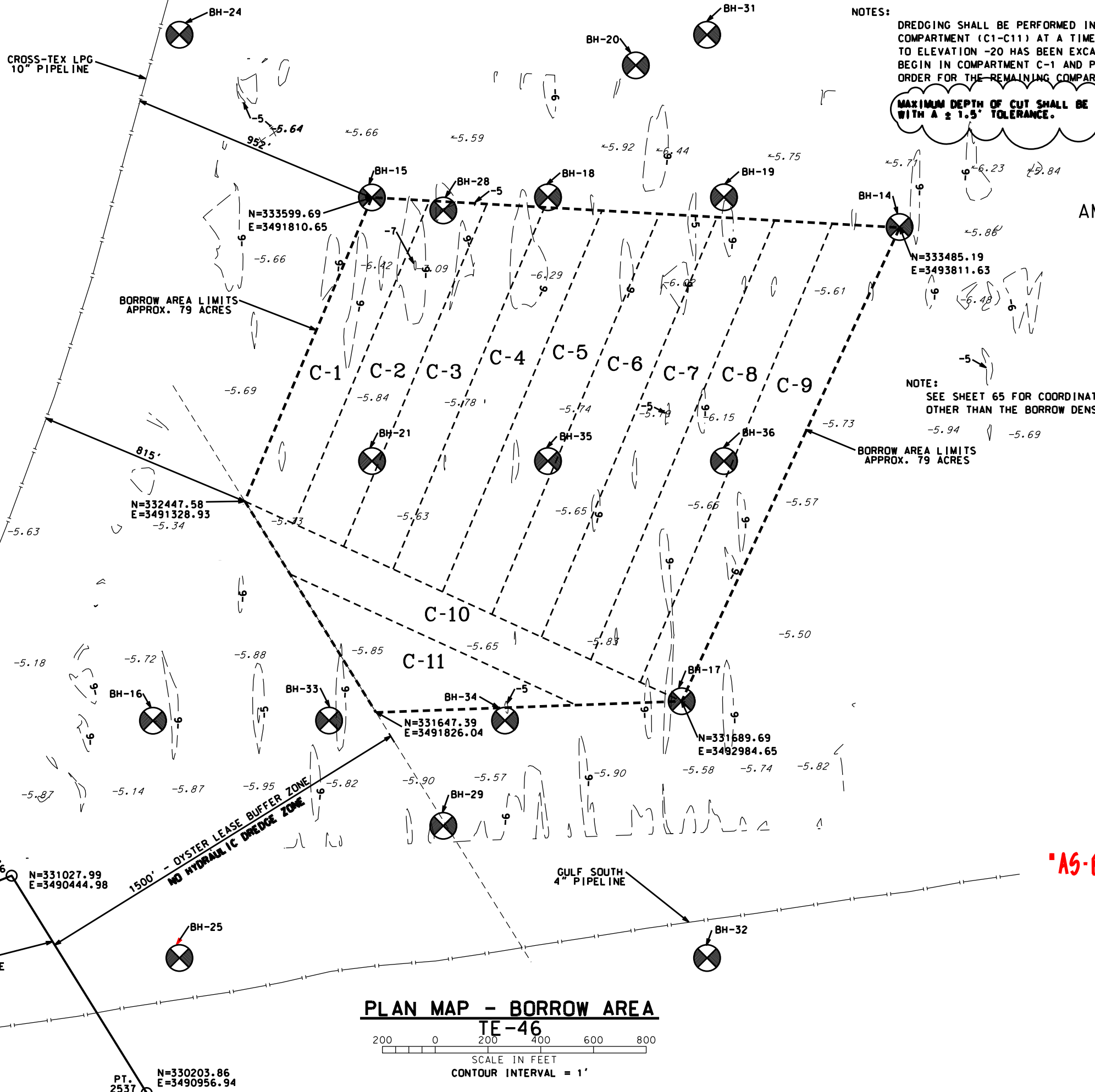
Date	01/05
Designed	R. FAULKNER
Drawn	A.-J. GREMILLION
Checked	B.A. STICKER
Approved	E.-J. GIERING

DETAILS- CONTAINMENT DIKE @ PIPELINE
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name	LA-346
Drawing Name	LA346042M2.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.
M2	04/07	R.F.	D.E.



NOTES:
 DREDGING SHALL BE PERFORMED IN ONE DREDGING COMPARTMENT (C1-C11) AT A TIME UNTIL ALL BORROW MATERIAL TO ELEVATION -20 HAS BEEN EXCAVATED. DREDGING SHALL BEGIN IN COMPARTMENT C-1 AND PROCEED IN ASCENDING ORDER FOR THE REMAINING COMPARTMENTS.

MAXIMUM DEPTH OF CUT SHALL BE ELEVATION -20.00 WITH A ± 1.5' TOLERANCE.

AMENDMENT #2

NOTE:
 SEE SHEET 65 FOR COORDINATES AND DEPTH OF BORING HOLES OTHER THAN THE BORROW DENSITY SHOWN ON THIS SHEET.

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMILLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GIERING III		12/06

PLAN MAP - BORROW AREA
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERRBONE PARISH, LOUISIANA

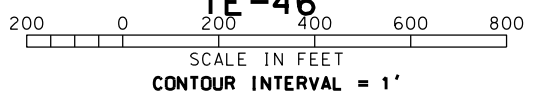


FILE NAME
 LA-346

DRAWING NAME
 LA346043A2.dgn

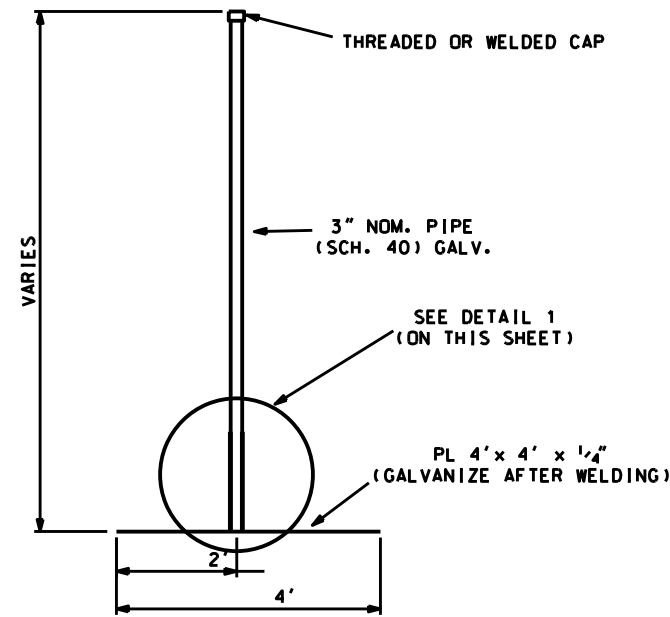
SHEET 43A2 of 65

PLAN MAP - BORROW AREA
 TE-46

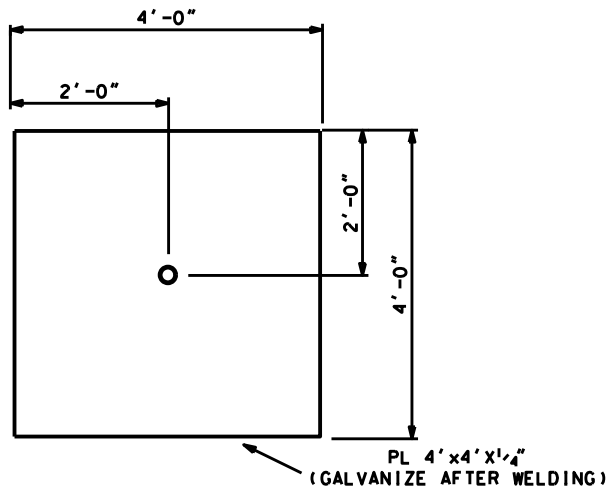


REVISIONS			
NO.	DATE	APPROVED	TITLE
A2	04/07	R.F.	D.E.

NOTE:
IF THREADED CAP IS USED, COLD GALVINIZE
THREADS AFTER INSTALLATION.



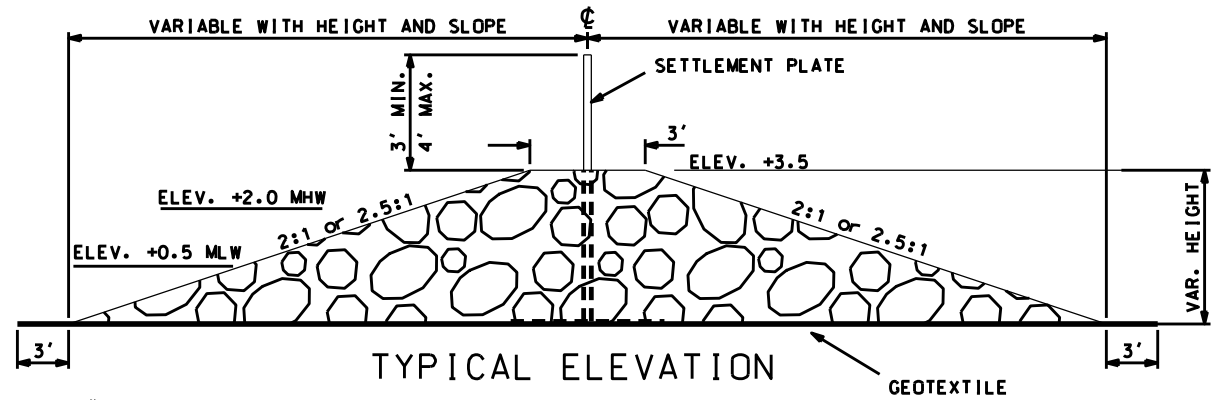
ELEVATION VIEW



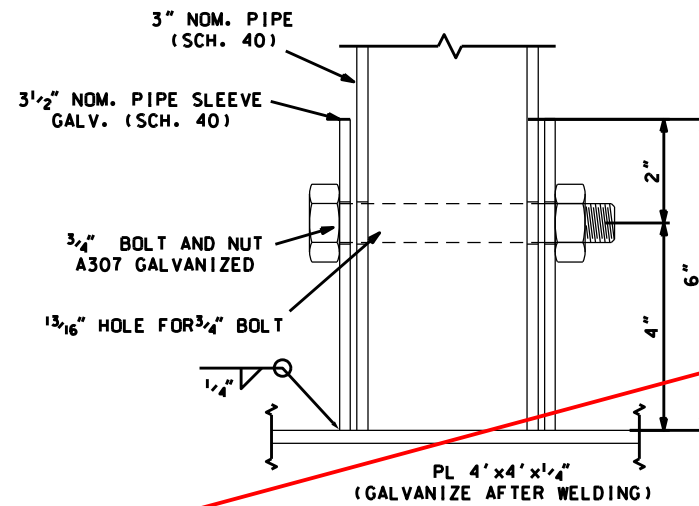
PLAN VIEW

NOTE:
THE SETTLEMENT PLATE ELEVATION SHALL BE DETERMINED
BEFORE PLACING ROCK AND AT END OF CONSTRUCTION.

SETTLEMENT PLATE DETAILS
(NOT TO SCALE)



TYPICAL ELEVATION



DETAIL 1 - 6" PIPE SLEEVE
(NOT TO SCALE)

ROCK DIKE
SETTLEMENT PLATES

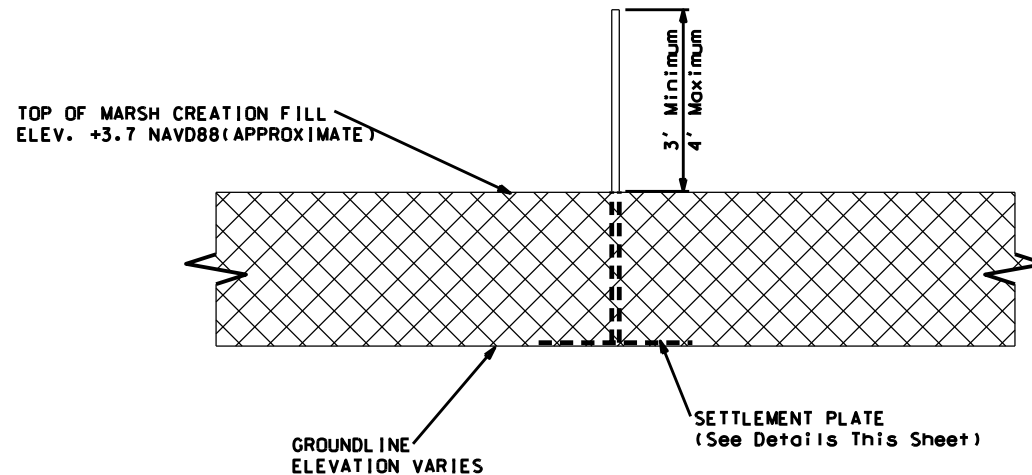
SECTION	STATION
NORTHERN	STA. 112+25
NORTHERN	STA. 116+50
NORTHERN	STA. 126+25
NORTHERN	STA. 148+25
NORTHERN	STA. 153+25
CENTRAL	STA. 307+50
CENTRAL	STA. 315+75
SOUTHERN	STA. 405+25
SOUTHERN	STA. 417+50
SOUTHERN	STA. 431+25
SOUTHERN	STA. 444+50

NOTE:
THE SETTLEMENT PLATE ELEVATION SHALL BE DETERMINED
BEFORE PLACING DREDGE FILL AND AT END OF CONSTRUCTION.

APPLIES TO SETTLEMENT PLATES 3,4,5,8,9,11 & 11A

ROCK DIKE SETTLEMENT PLATES

N337929.36	33409901.00	61.5.62
N337616.04	33409666.66	61.7.62
N337396.11	33408612.15	61.4.33
N335997.22	33407207.54	61.5.30
N335527.11	33407017.97	61.6.56
N334592.66	33407204.20	61.7.91
N333696.46	33407599.24	61.7.76
N332695.49	33407546.05	61.7.64
N331941.06	33407440.61	61.9.70
N330966.63	33407972.77	61.9.46
N330667.27	33406576.12	61.9.22



SETTLEMENT PLATE DETAILS WITHIN MARSH CREATION
(NOT TO SCALE)

CREATION AREA SETTLEMENT PLATES

AREA	SP-#	NORTHING	EASTING
NORTHERN	SP-3	337454	3487216
NORTHERN	SP-4	336519	3487167
NORTHERN	SP-5	335948	3486507
CENTRAL	SP-8	334758	3486490
CENTRAL	SP-9	334190	3487170
SOUTHERN	SP-11	332329	3487152
SOUTHERN	SP-11A	331095	3487719

MODIFICATION #2

"AS-BUILT"

SETTLEMENT PLATE DETAILS
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

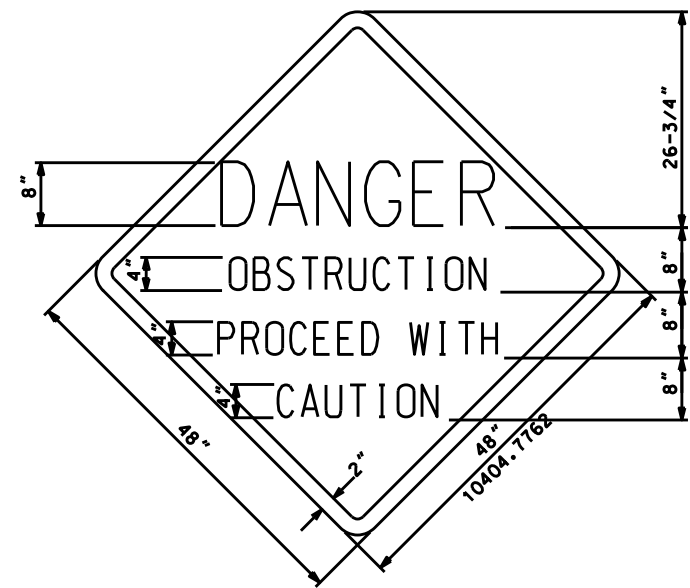
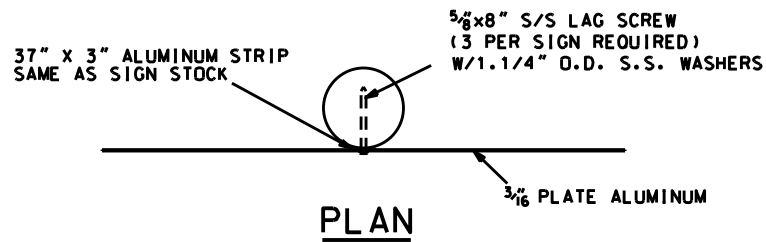
DATE	DESIGNED	DRAWN	CHECKED	APPROVED
01/05	R. FAULKNER	A.J. GREMILLION	B.A. STICKER	E.J. GERING III
01/05				
06/06				
12/06				



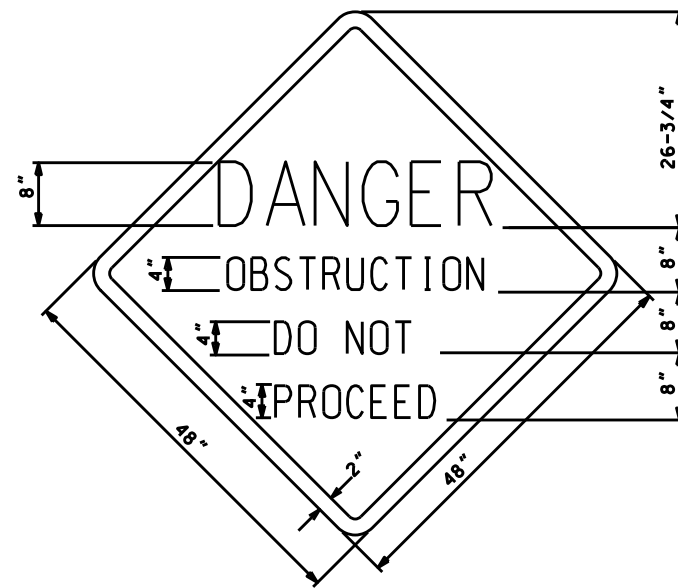
FILE NAME
LA-346

DRAWING NAME
LA346044M2.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE
M2	07/07	R.F.	D.E.



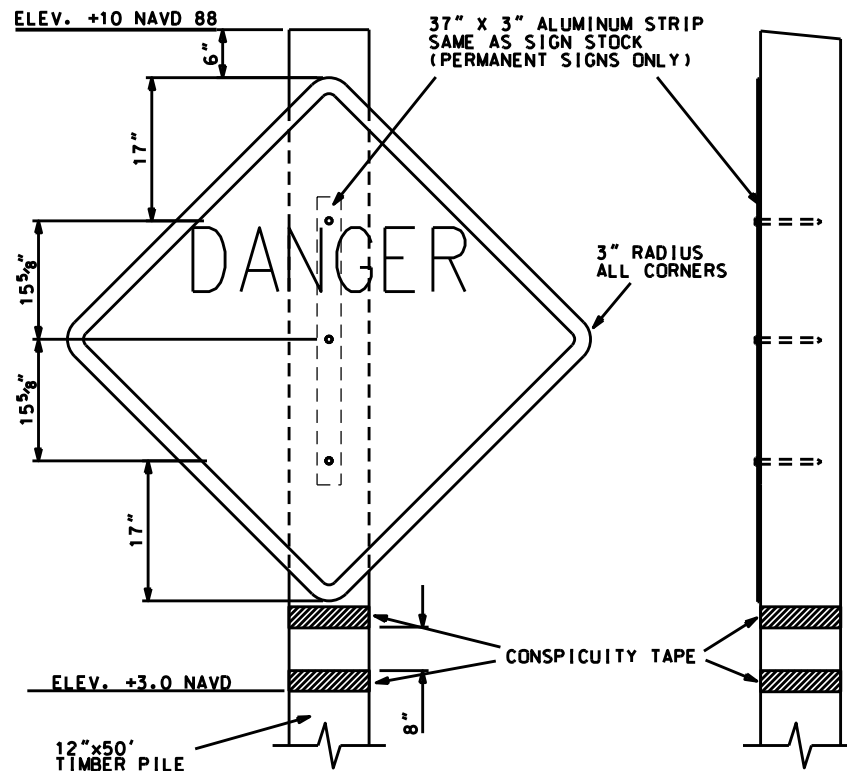
PERMANENT SIGN



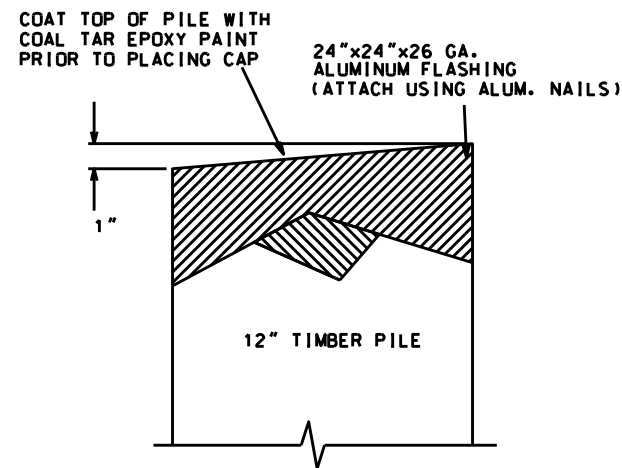
TEMPORARY SIGN

NOTE:

1. ALL SIGNS WITH EXCEPTION OF THE SIGNS LOCATED AT THE CHOKE DOWN SECTION AND THE PIPELINE CROSSING SHALL BE TEMPORARY SIGNS WITH THE WORDING "DANGER-OBSTRUCTION-DO NOT PROCEED."
2. THE 2" BORDER ON THE WARNING SIGN SHALL BE A REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD SHALL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGNS SHALL BE BLACK. WARNING SIGNS SHALL BE PLACED ON TWO SIDES WITH THE SIGN FACING PERPENDICULAR TO THE SHORELINE AS CONCURRED IN BY THE COTR.
3. TEMPORARY WARNING SIGNS SHALL BE PLACED AS SHOWN IN PLAN. MAXIMUM DISTANCE 500' APART.



PERMANENT WARNING SIGN DETAILS



**TYPICAL TIMBER PILE CAP
(NOT TO SCALE)**

"AS-BUILT"

WARNING SIGN DETAILS
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LA.

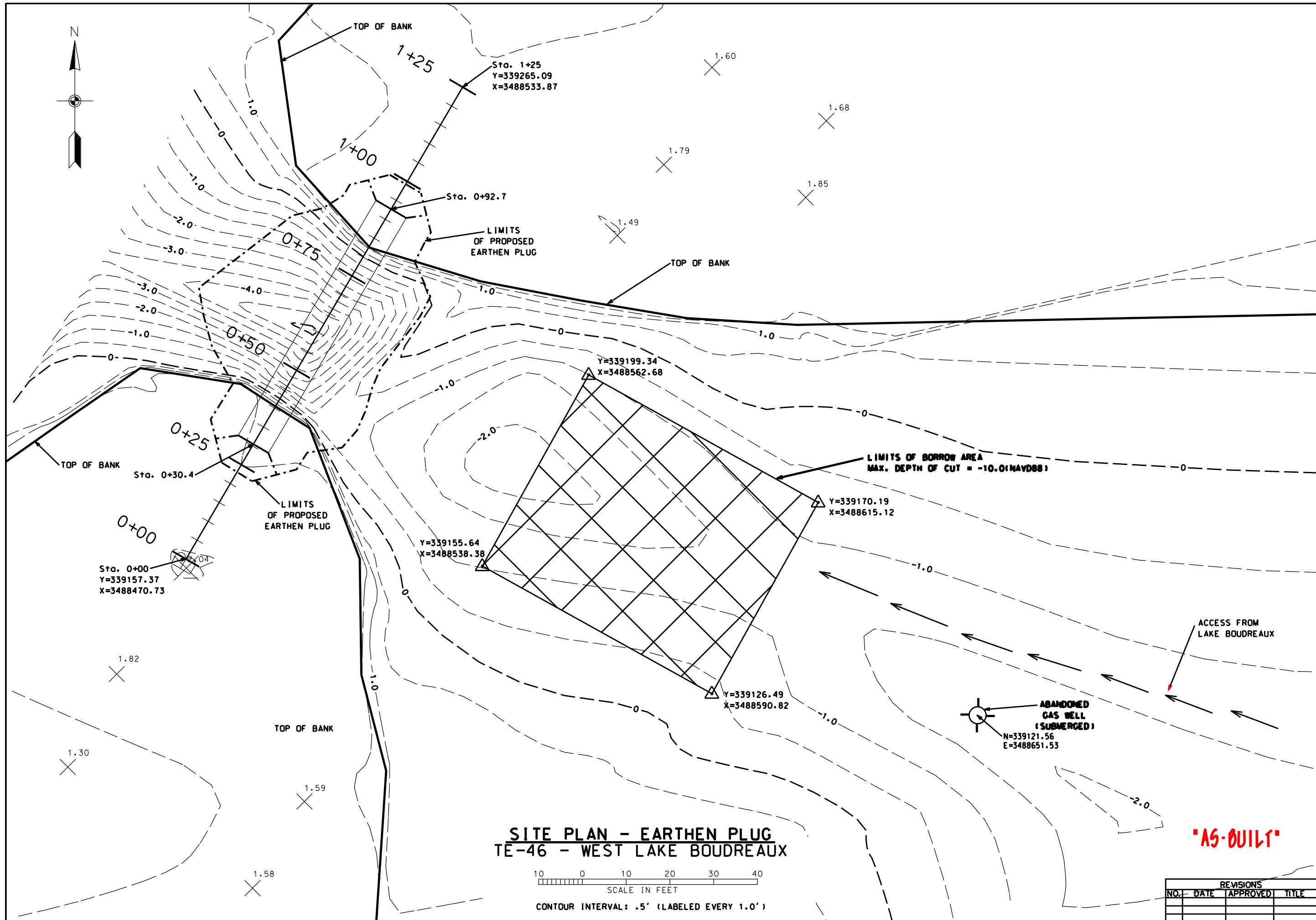
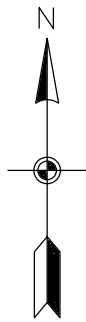
Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLION		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GERBER III		12/06



File Name
LA346

Drawing Name
LA346045

REVISIONS		
DATE	APPROVED	TITLE



**SITE PLAN - EARTHEN PLUG
TE-46 - WEST LAKE BOUDREAUX**



CONTOUR INTERVAL: .5' (LABELED EVERY 1.0')

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

**SITE PLAN - EARTHEN PLUG
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA**

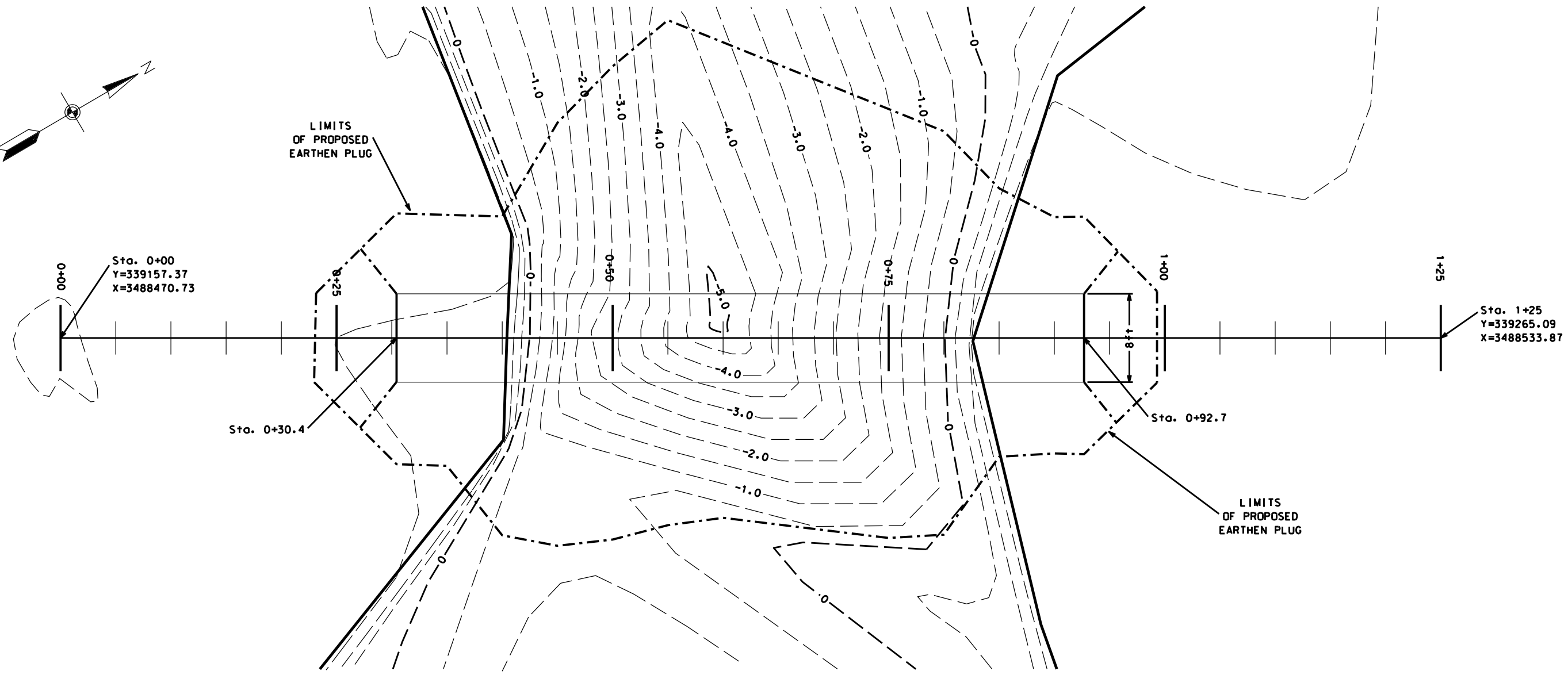
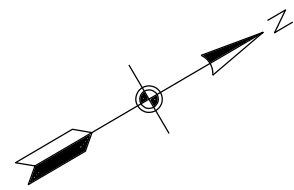


File Name
LA-346

Drawing Name
LA346046.dgn

Sheet 46 of 65

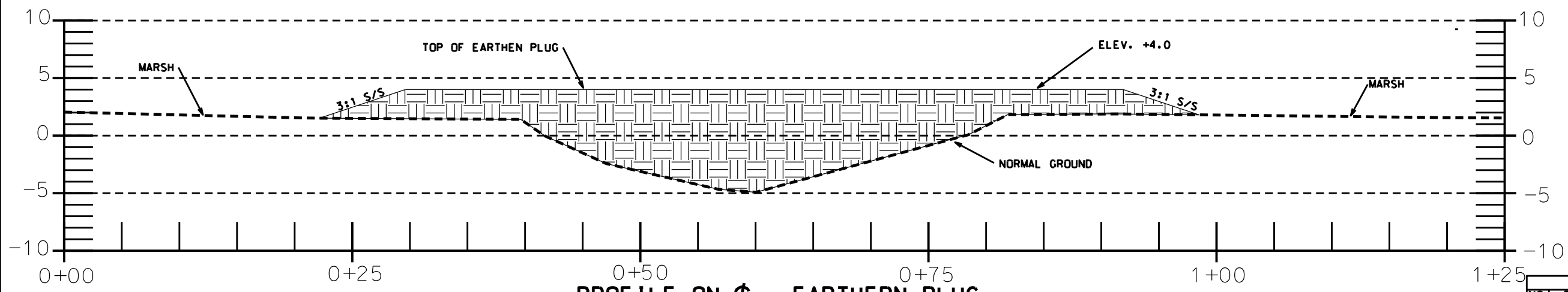
REVISIONS			
NO.	DATE	APPROVED	TITLE



PLAN - EARTHEN PLUG
TE-46 - WEST LAKE BOUDREAU



"AS-BUILT"

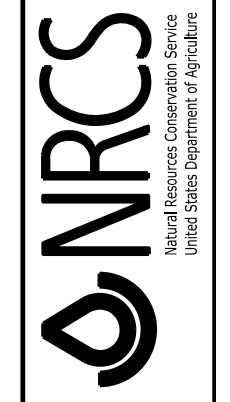


PROFILE ON C - EARTHEN PLUG
TE-46 - WEST LAKE BOUDREAU

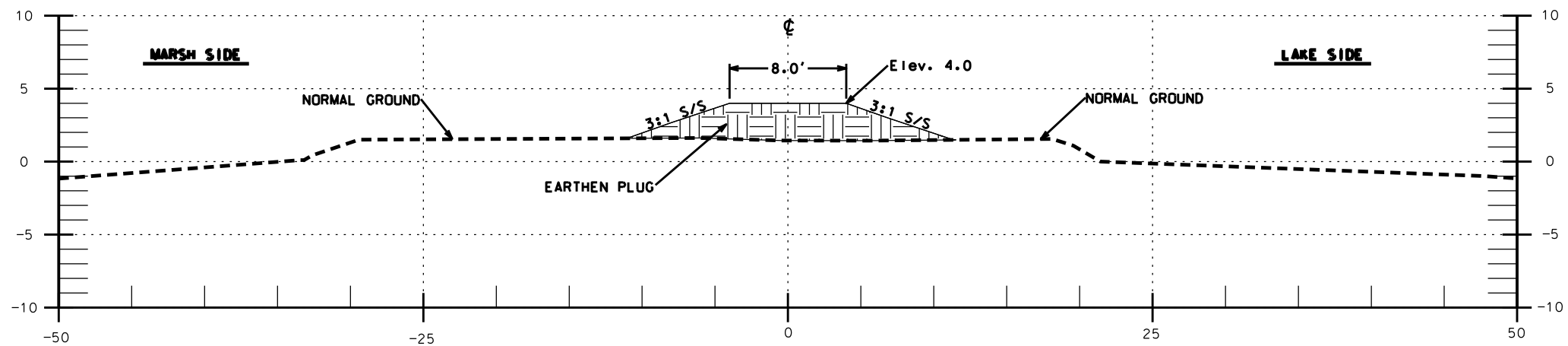
REVISIONS			
NO.	DATE	APPROVED	TITLE

Date	
Designed	R. FAULKNER 01/05
Drawn	A.J. GREMILLON 01/05
Checked	B.A. STICKER 06/06
Approved	E.J. GIERING III 12/06

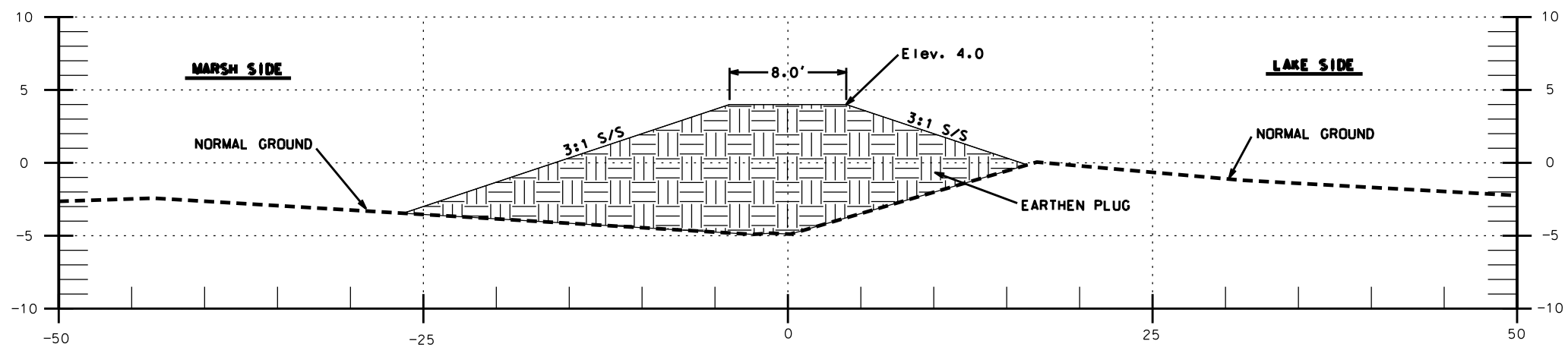
PLAN & PROFILE - EARTHEN PLUG.
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



File Name
LA-346
Drawing Name
LA346047.dgn
Sheet 47 of 65



**TYPICAL SECTION - OUTSIDE OF CHANNEL
EARTHEN PLUG**



**TYPICAL SECTION - WITHIN CHANNEL
EARTHEN PLUG**

"AS-BUILT"

Designed	R. FAULKNER	Date	01/05
Drawn	A.J. GREMILLON		01/05
Checked	B.A. STICKER		06/06
Approved	E.J. GIERING III		12/06

**CROSS SECTIONS-EARTHEN PLUG.
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA**



File Name
LA-346

Drawing Name
LA346048.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

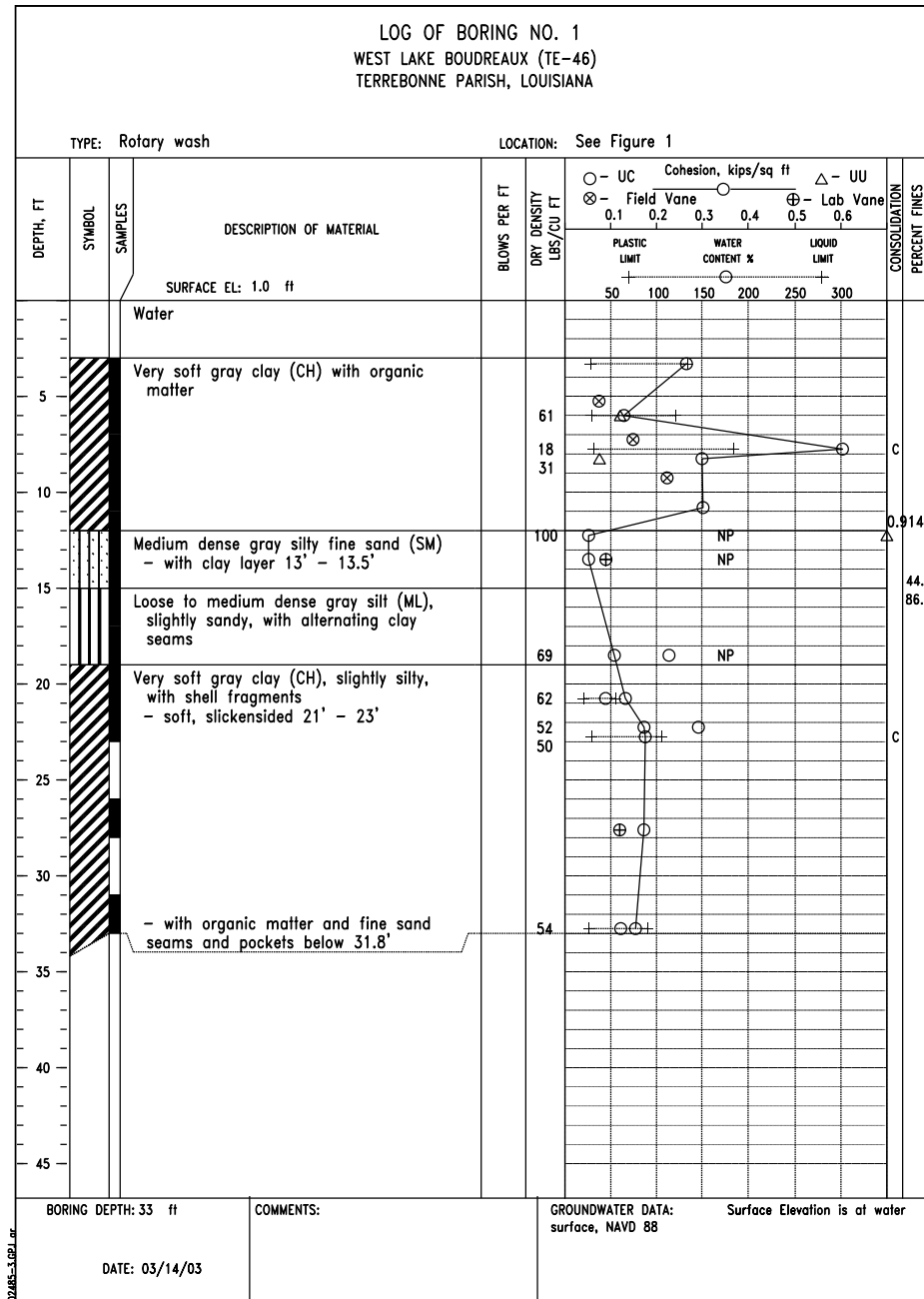


FIGURE A-1

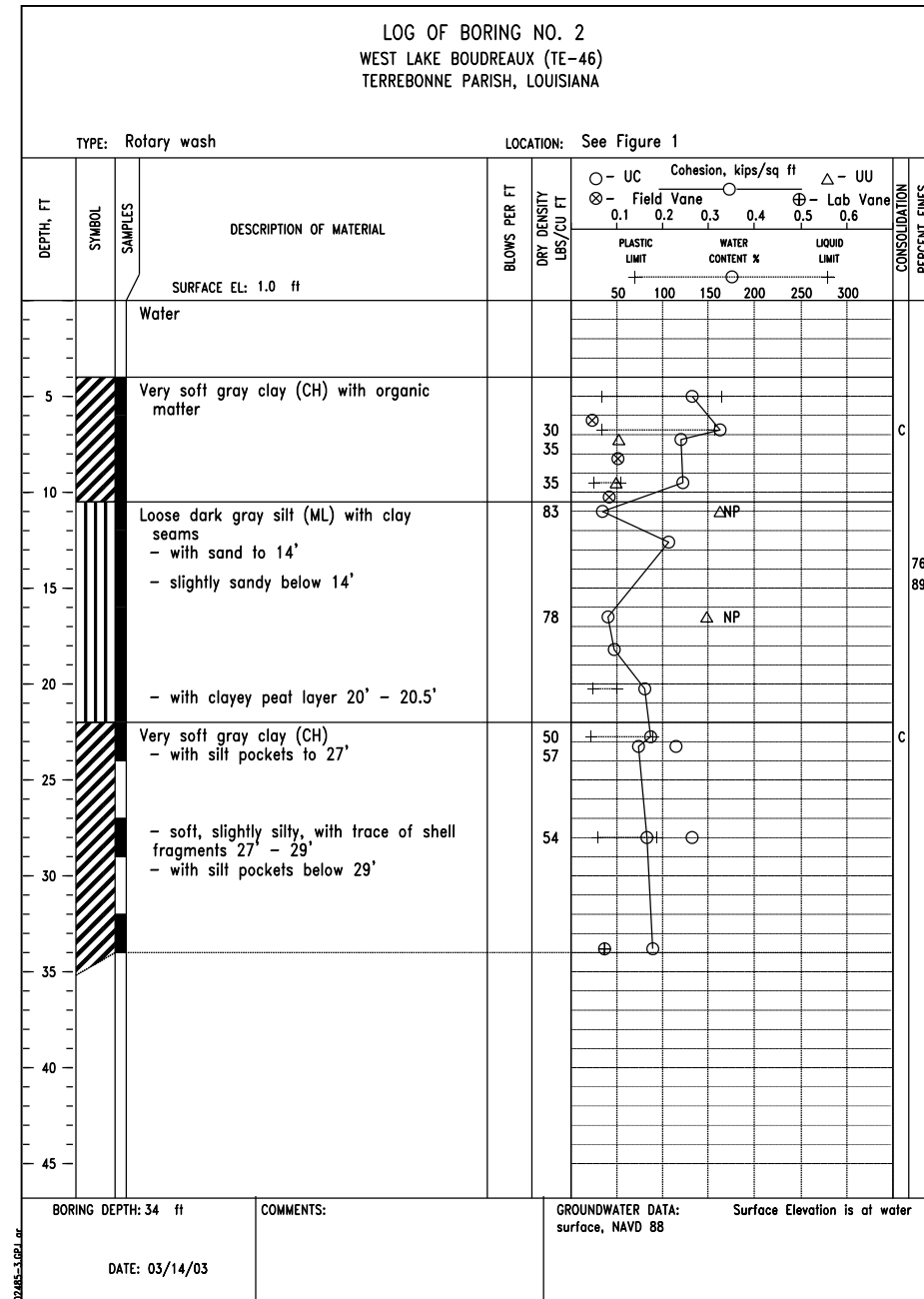


FIGURE A-2

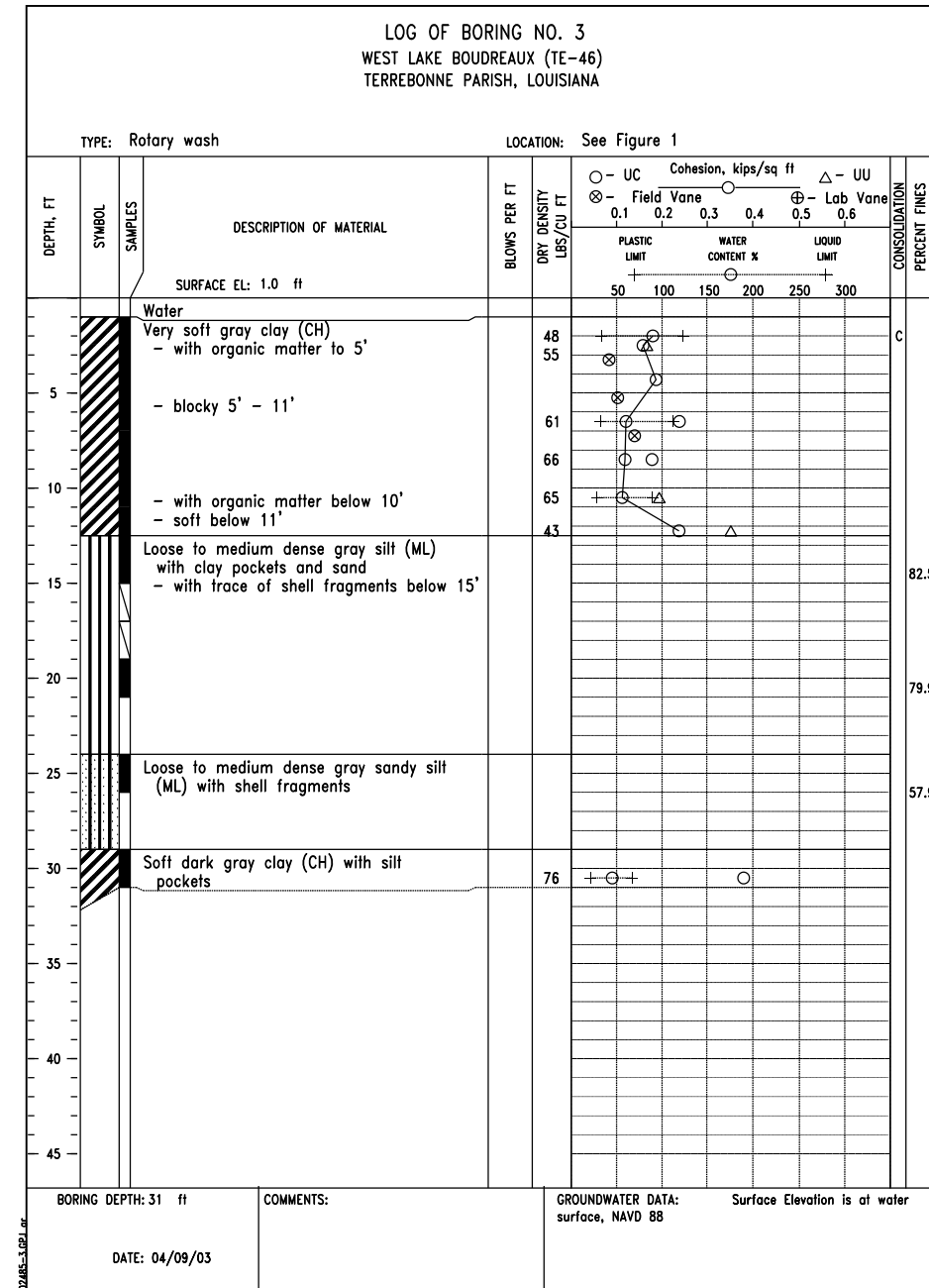


FIGURE A-3

DATE: 01/05
DESIGNED: R. FAULKNER
DRAWN: A.J. GREMLION
CHECKED: B.A. STICKER
APPROVED: E.J. GIERING III

SOIL BORING LOGS: 1, 2 & 3
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



"AS-BUILT"

FILE NAME: LA-346
DRAWING NAME: LA346049.dgn
SHEET 49 of 65

REVISIONS			
NO.	DATE	APPROVED	TITLE

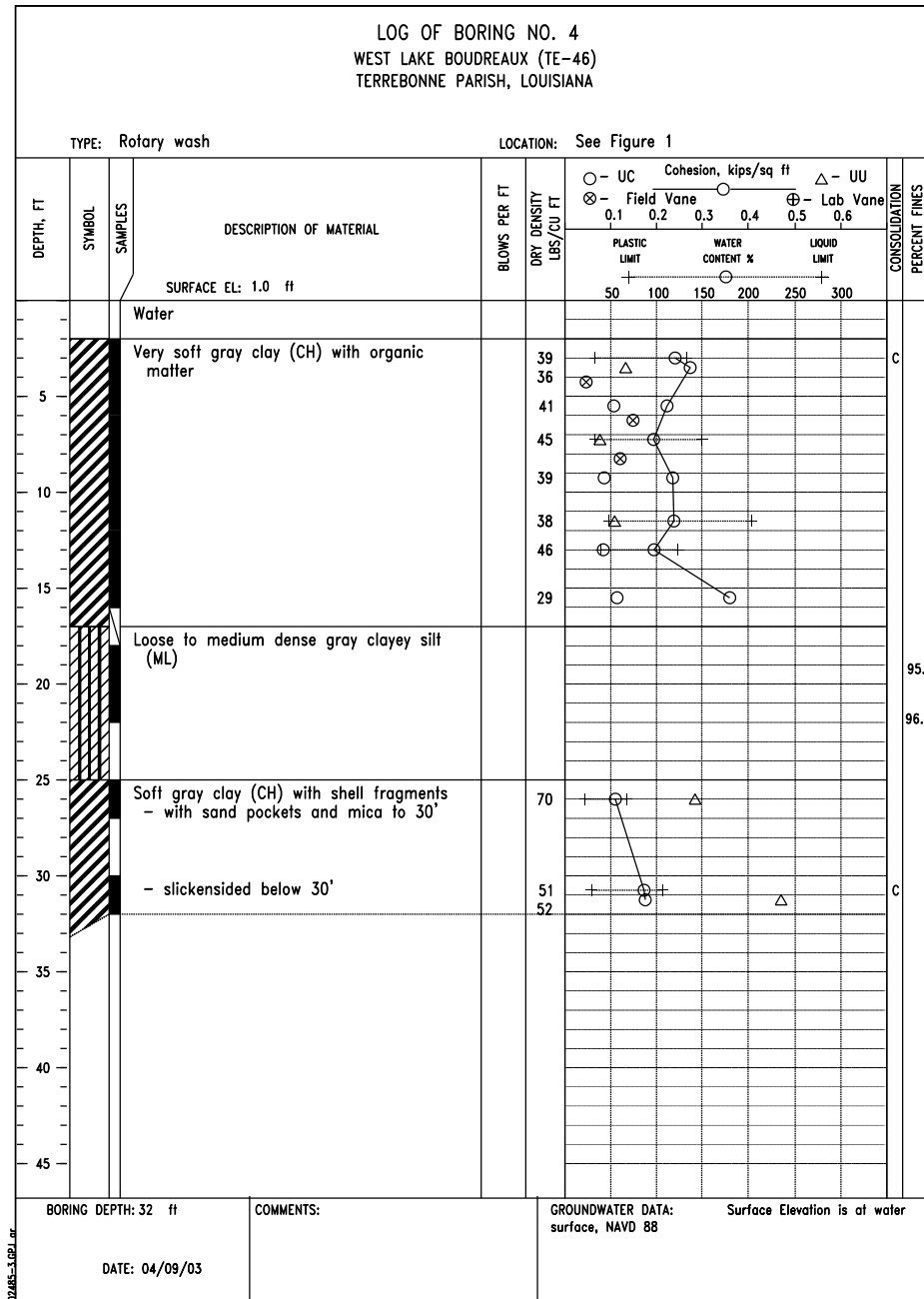


FIGURE A-4

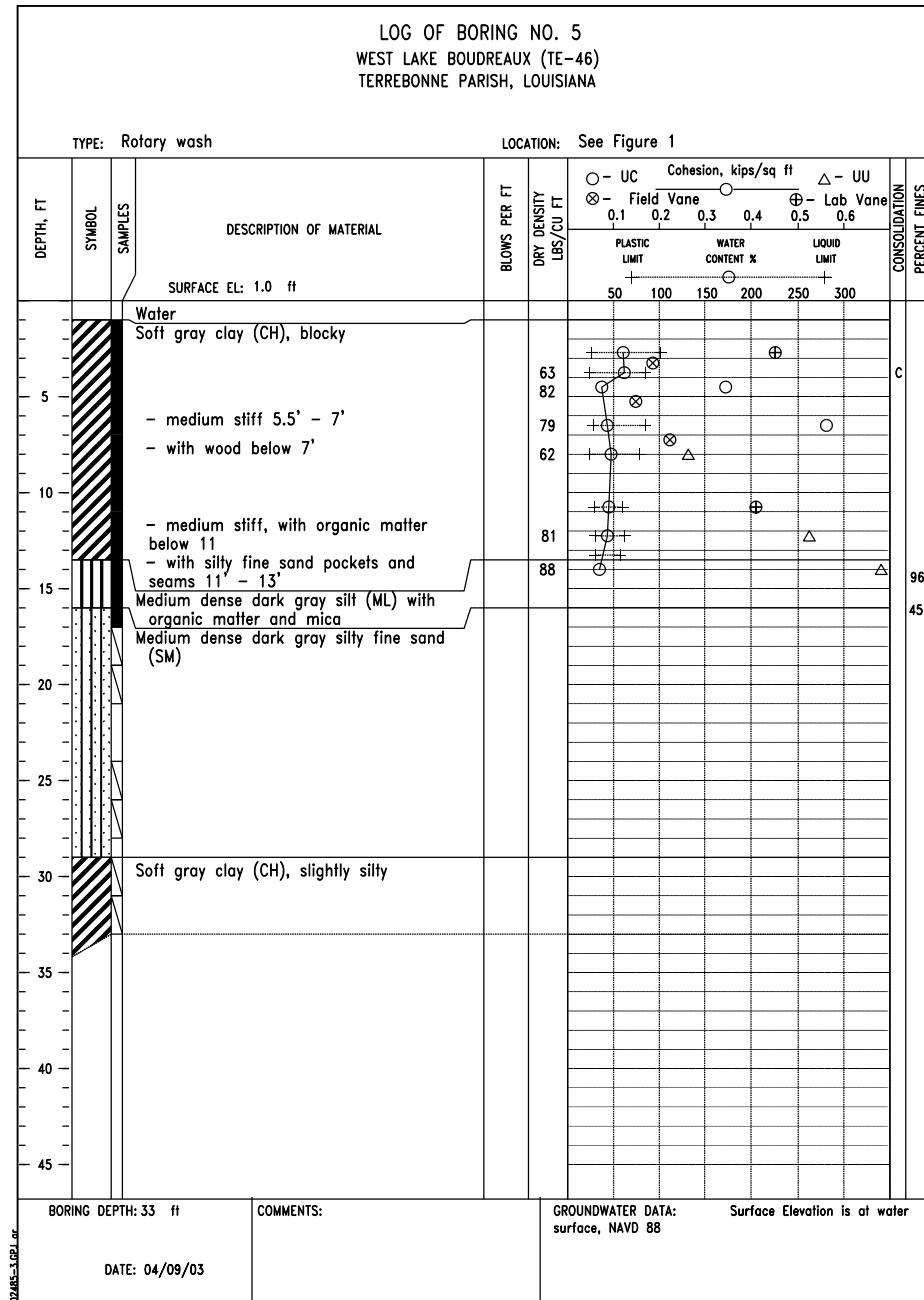


FIGURE A-5

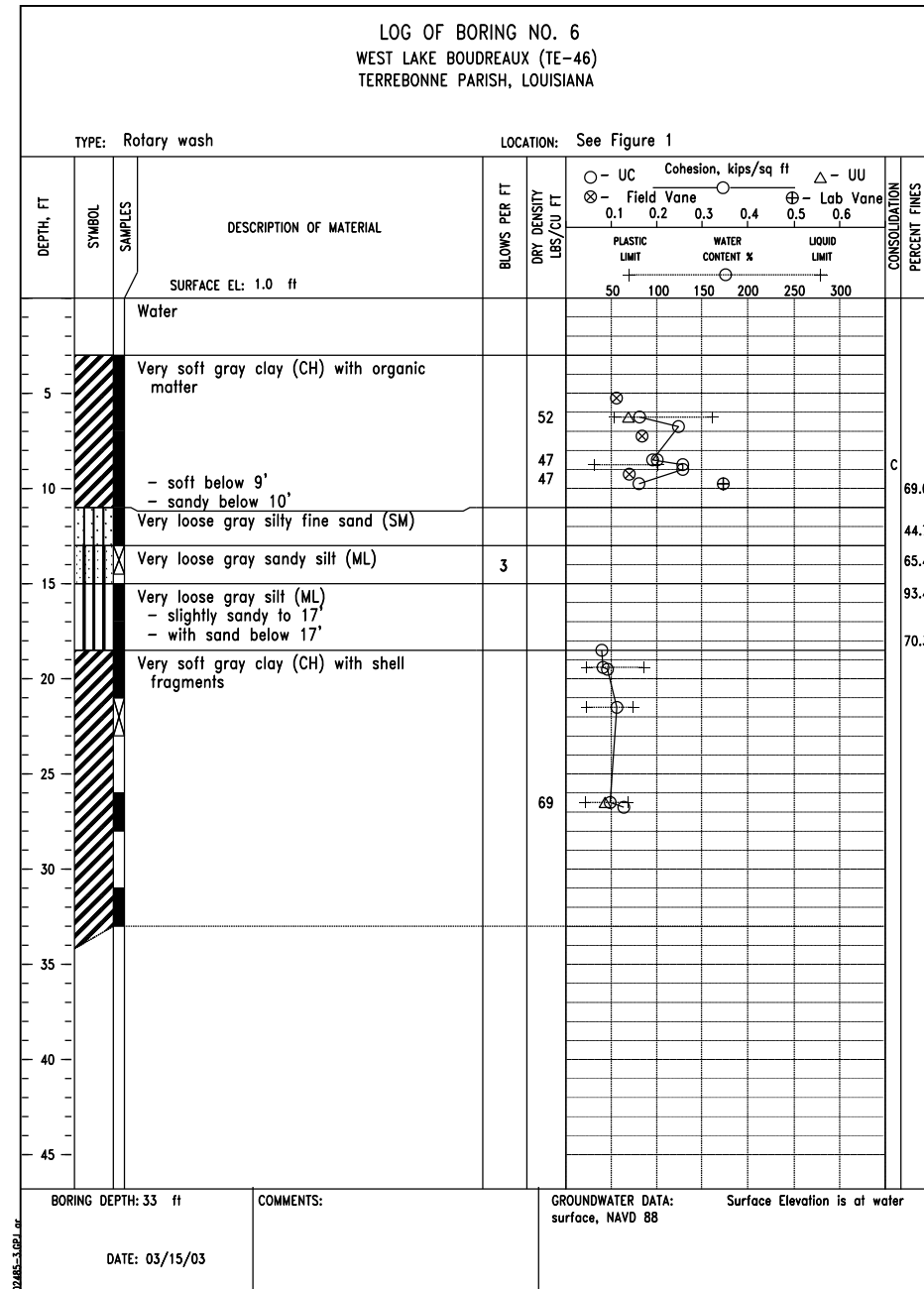


FIGURE A-6

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOGS: 4, 5 & 6
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



"AS-BUILT"

FILE NAME	LA-346		
DRAWING NAME	LA346050.dgn		
REVISIONS			
NO.	DATE	APPROVED	TITLE

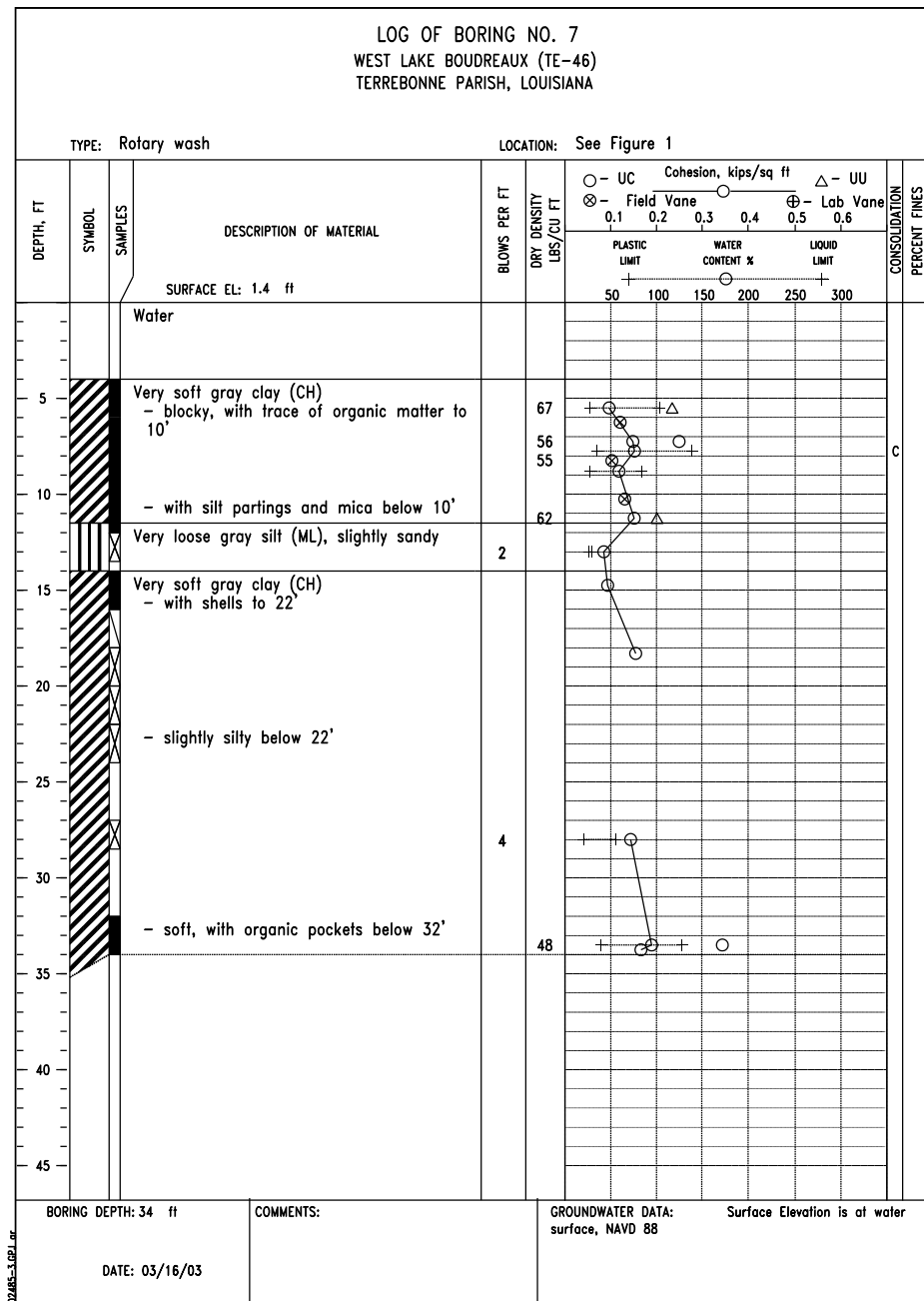


FIGURE A-7

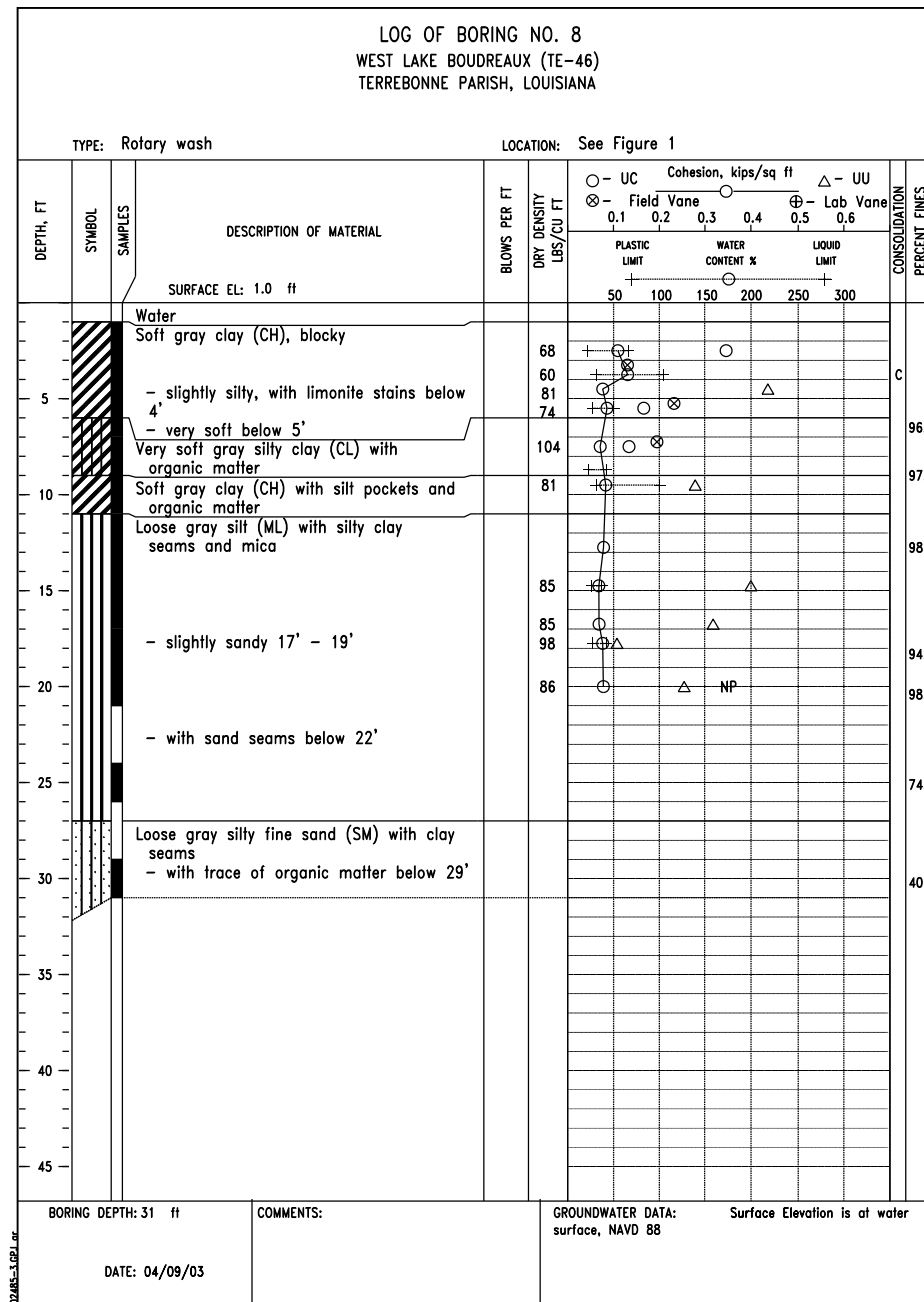


FIGURE A-8

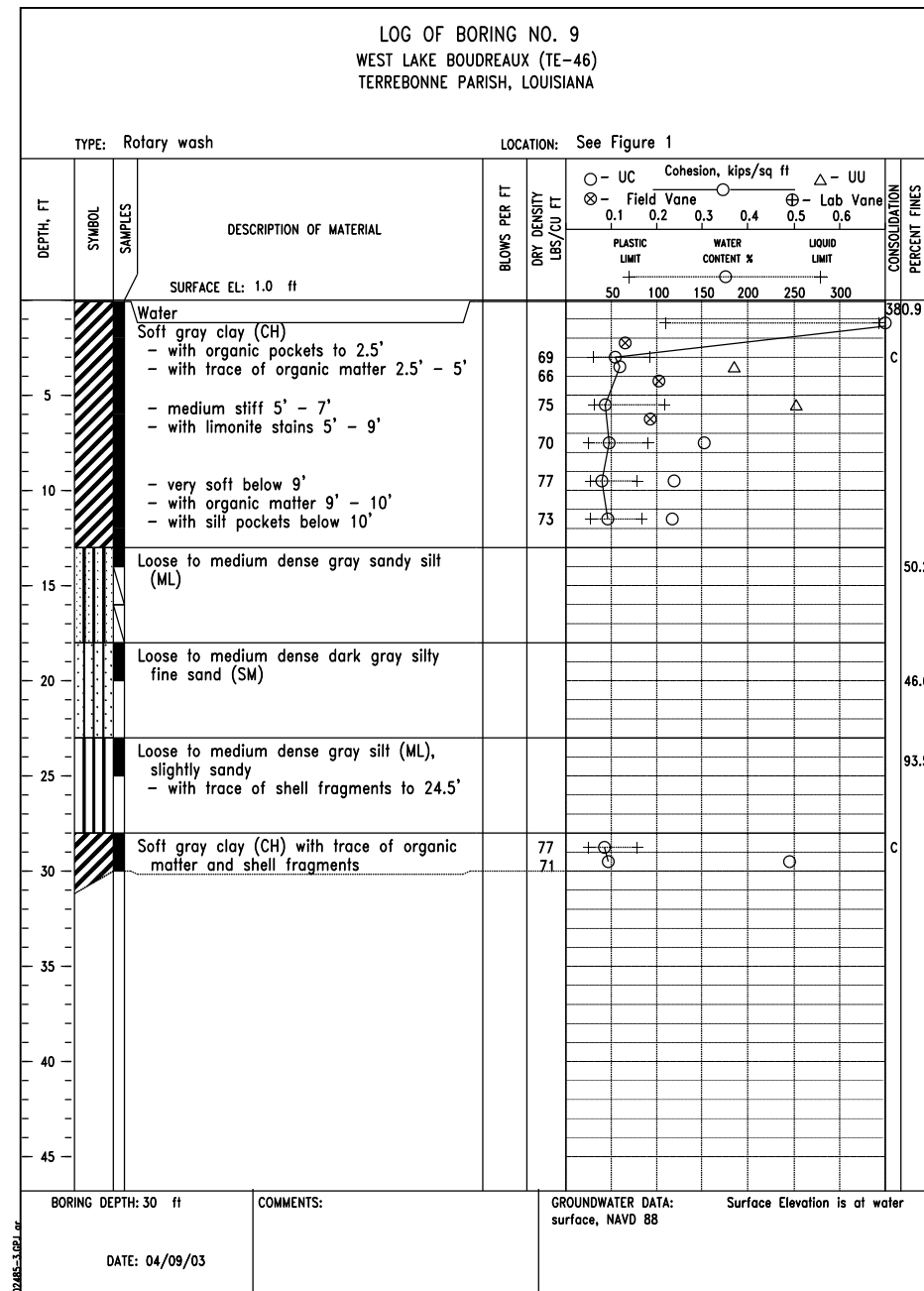
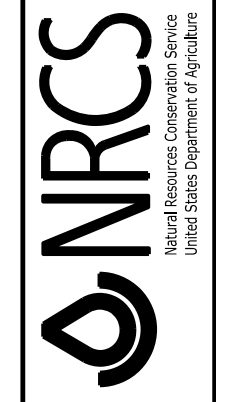


FIGURE A-9

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMILLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOGS: 7, 8 & 9
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME	LA-346
DRAWING NAME	LA346051.dgn
SHEET	51 of 65

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE

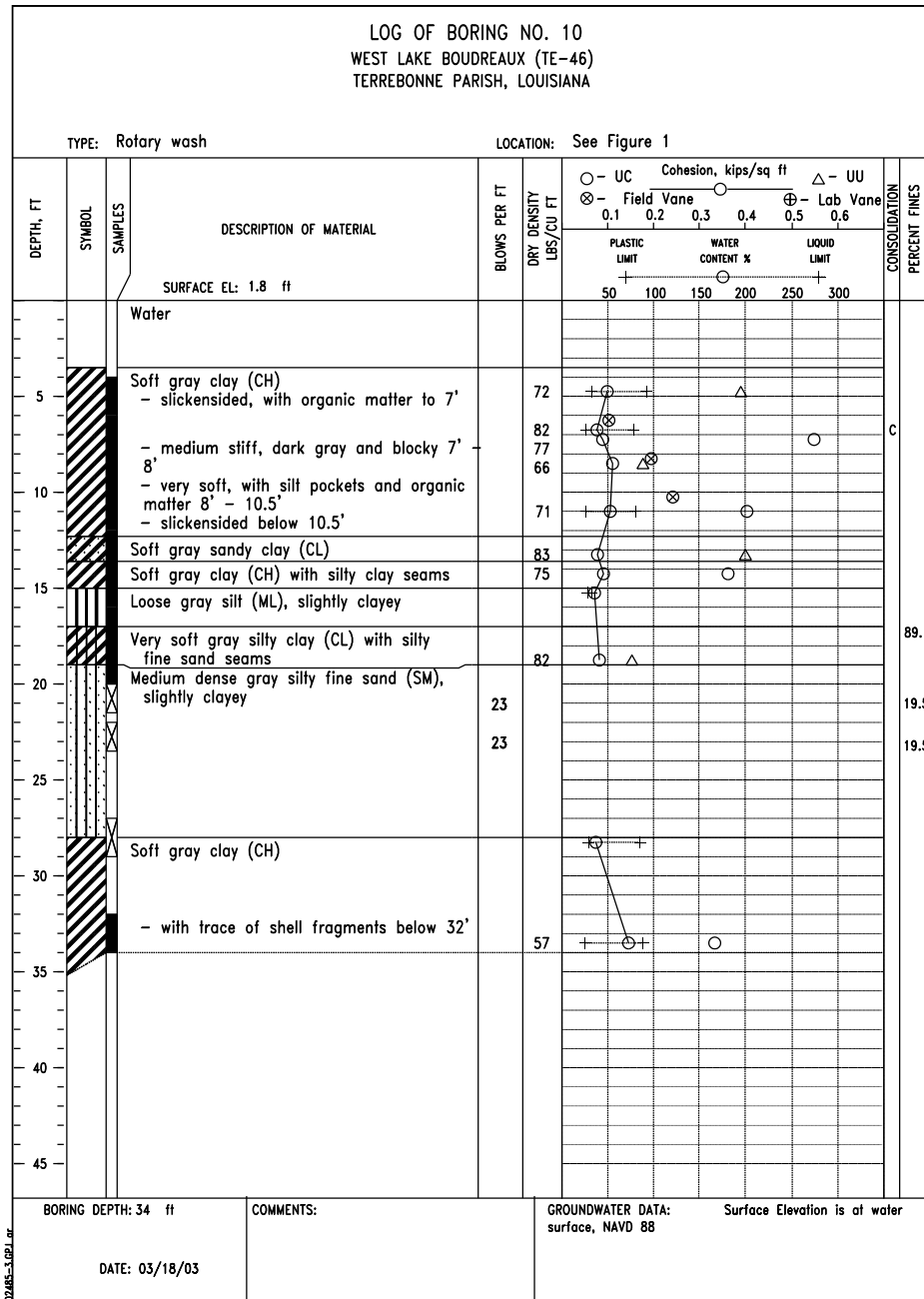


FIGURE A-10

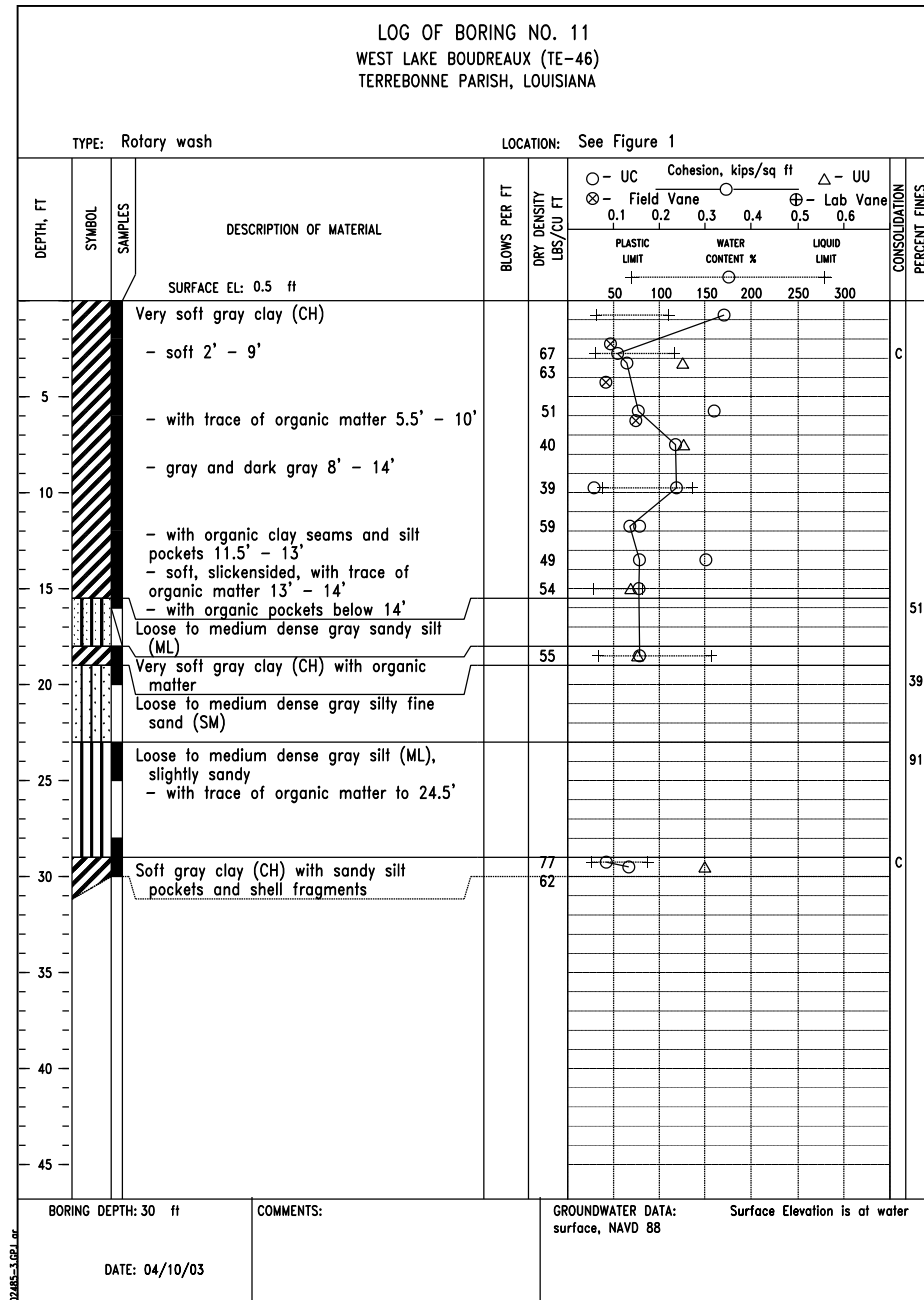


FIGURE A-11

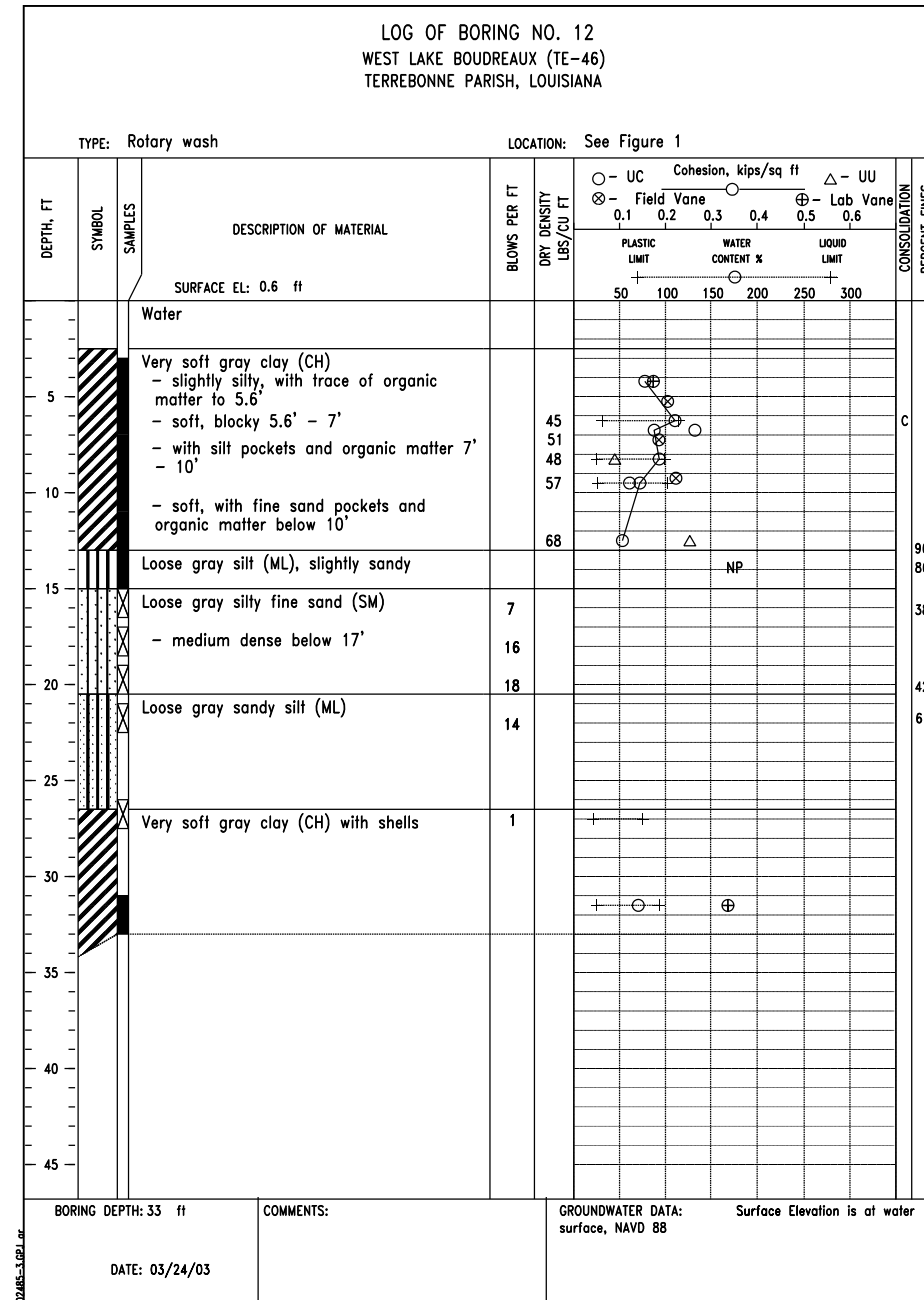


FIGURE A-12

DATE 01/05
DESIGNED R. FAULKNER
DRAWN A.J. GREMLION
CHECKED B.A. STICKER
APPROVED E.J. GERING III

SOIL BORING LOGS: 10, 11 & 12
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME LA-346
DRAWING NAME LA346052.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

"AS-BUILT"

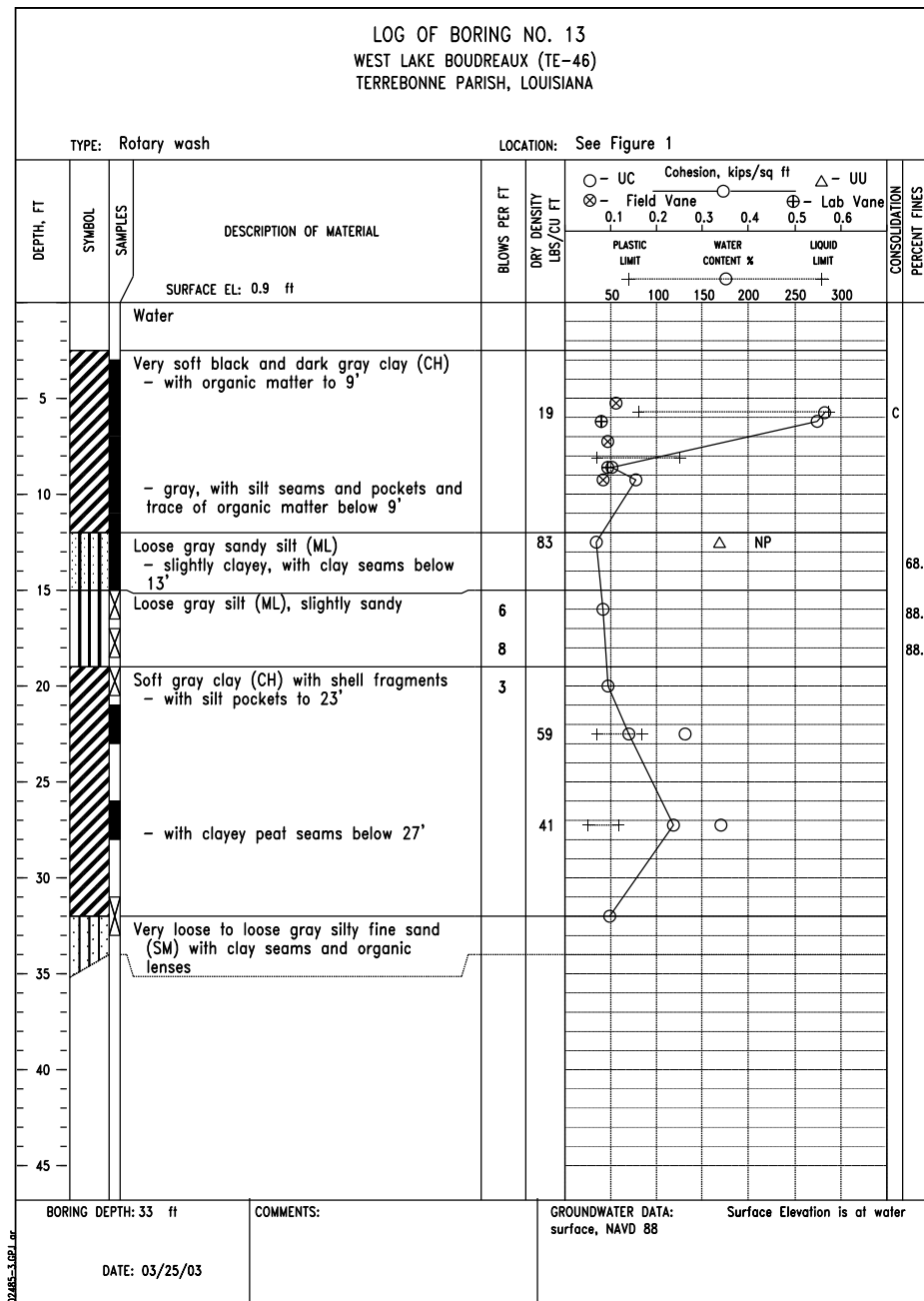


FIGURE A-13

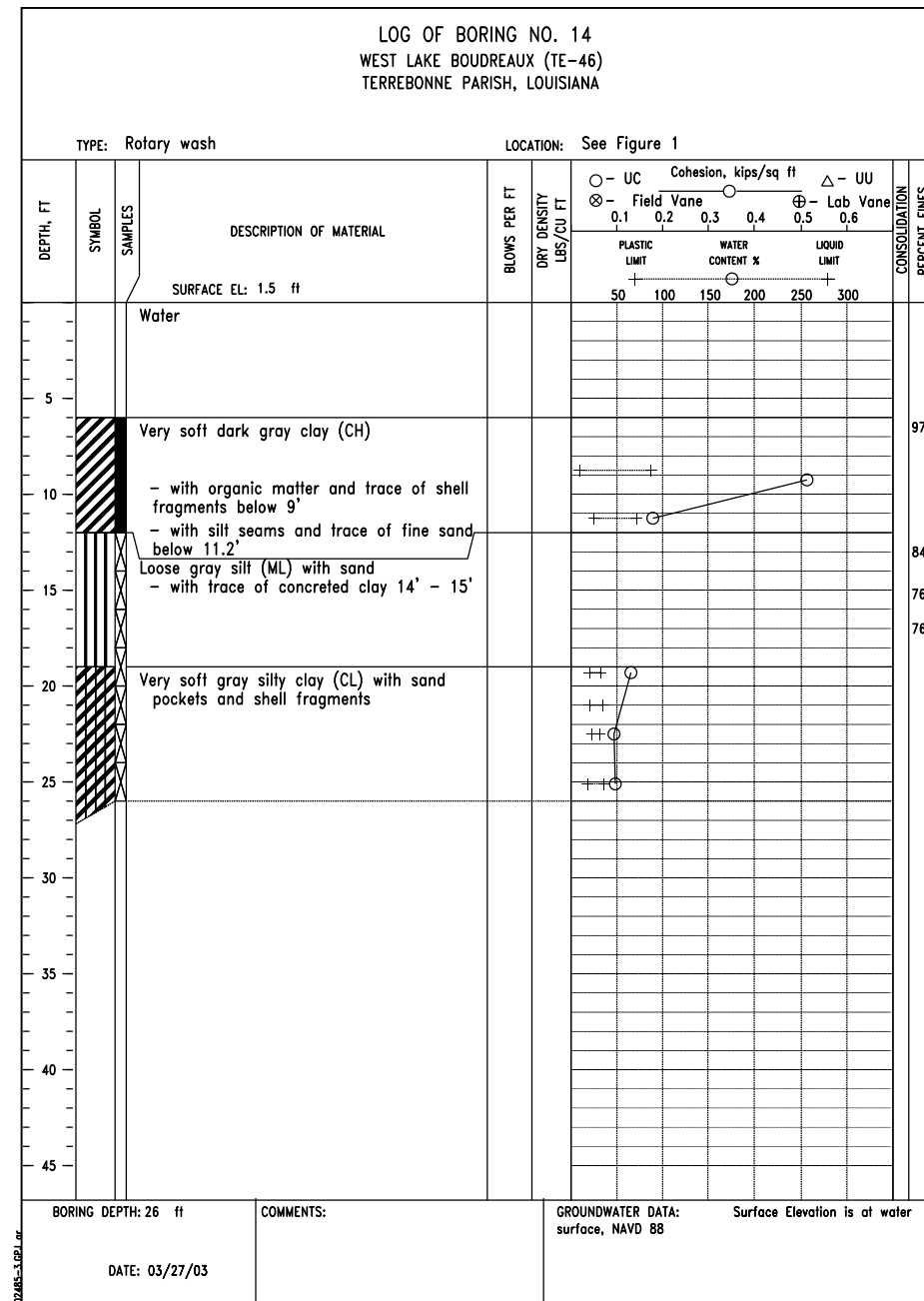


FIGURE A-14

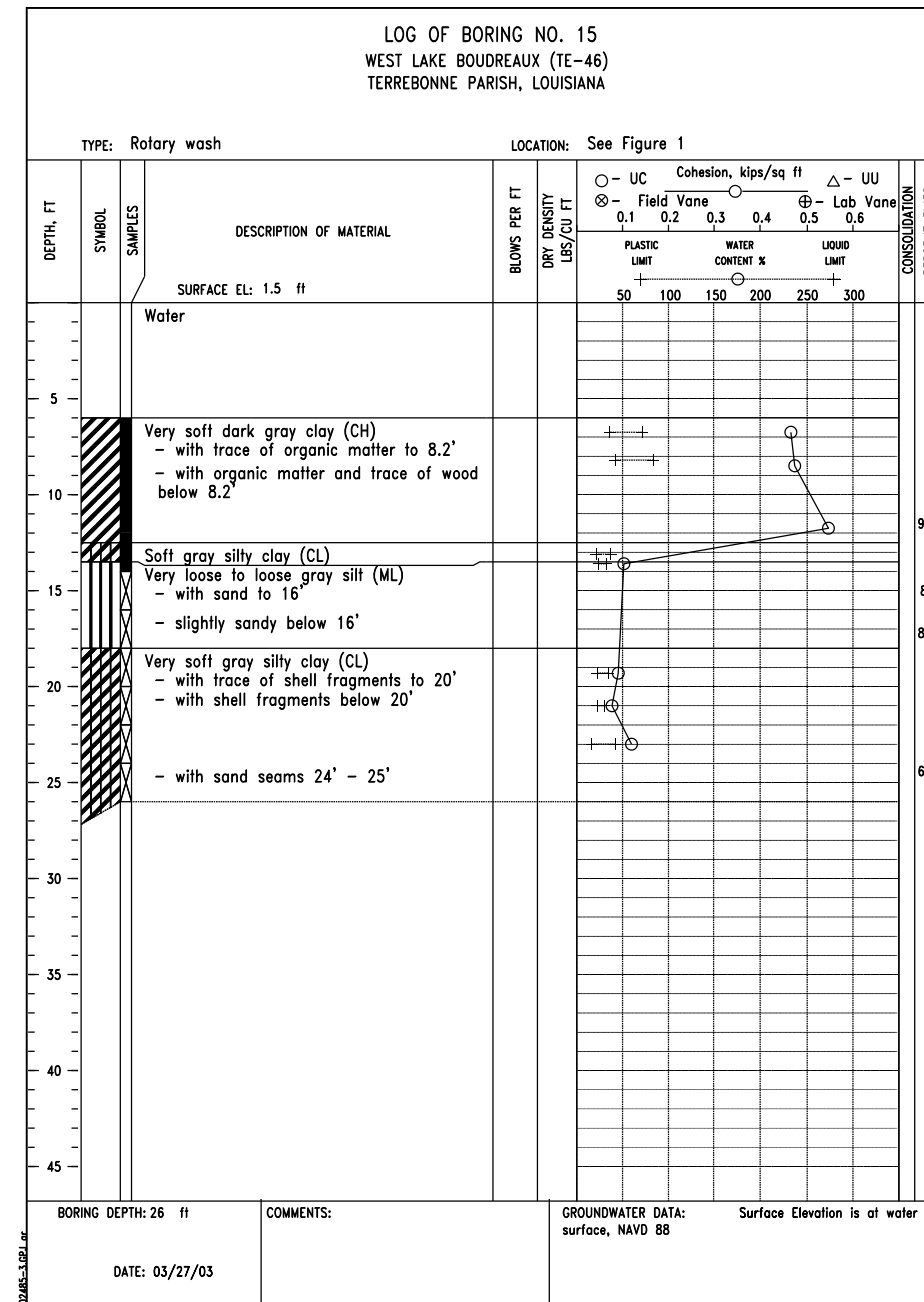


FIGURE A-15

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOGS: 13, 14 & 15
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME
LA-346

DRAWING NAME
LA346053.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

"AS-BUILT"

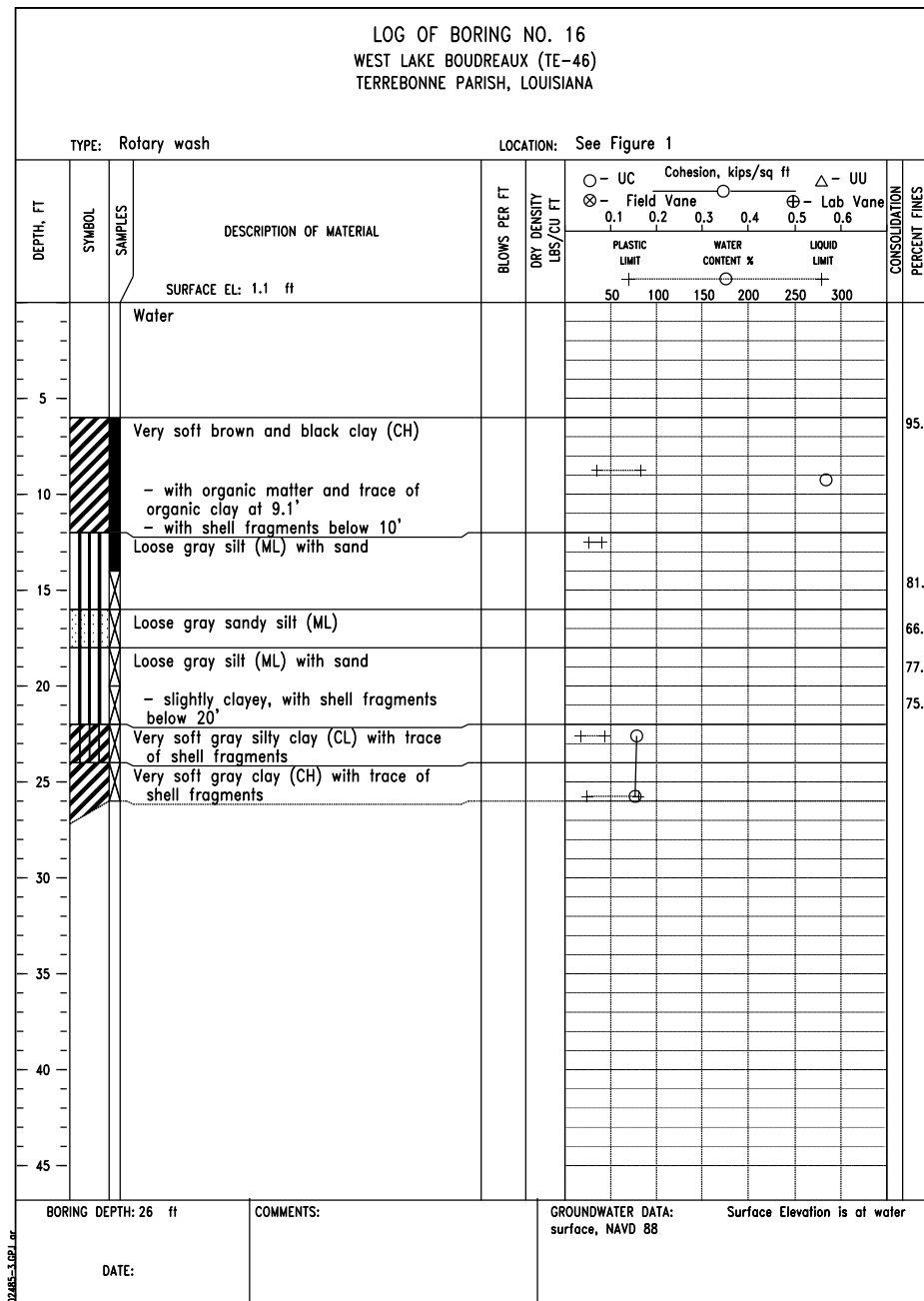


FIGURE A-16

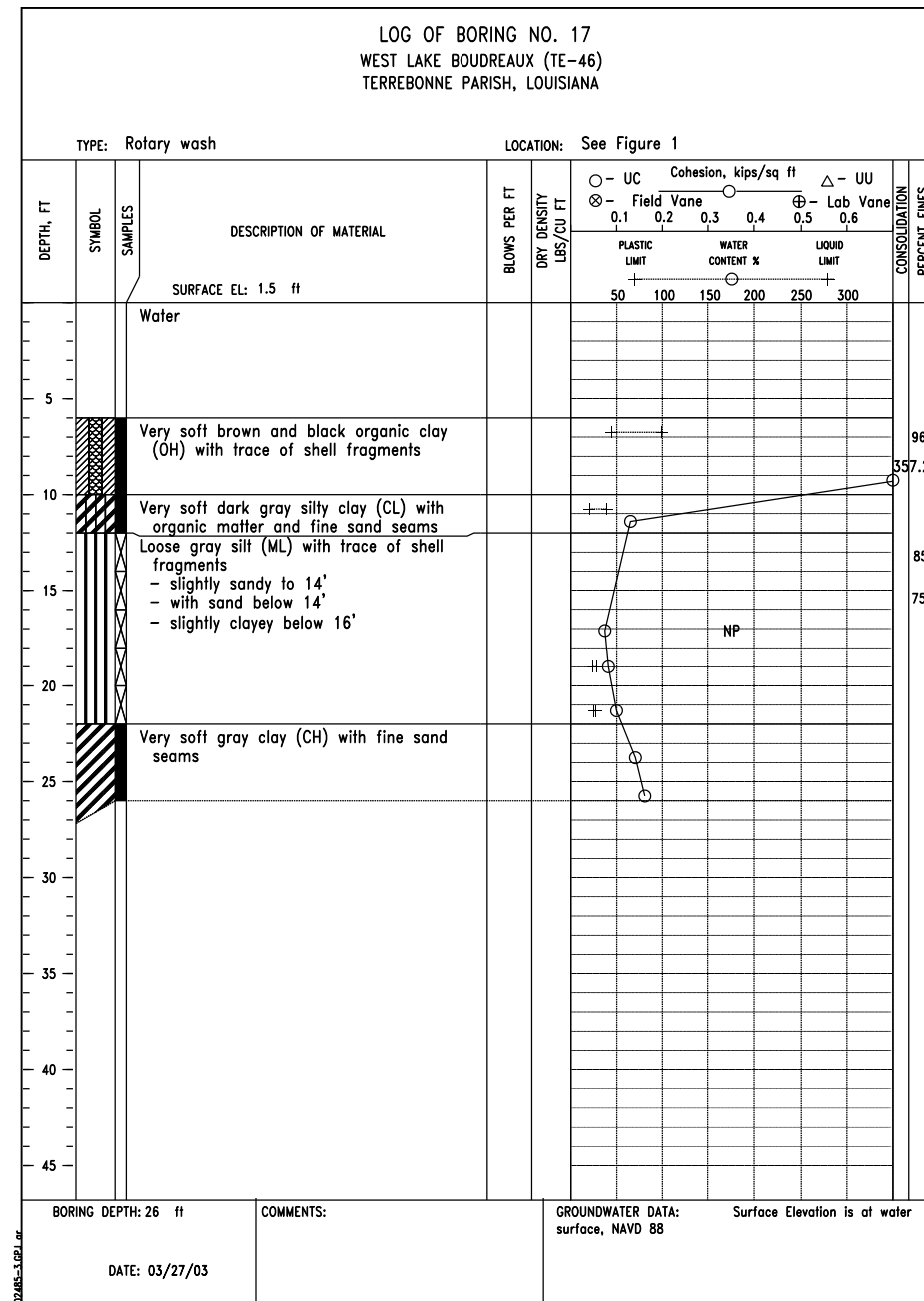


FIGURE A-17

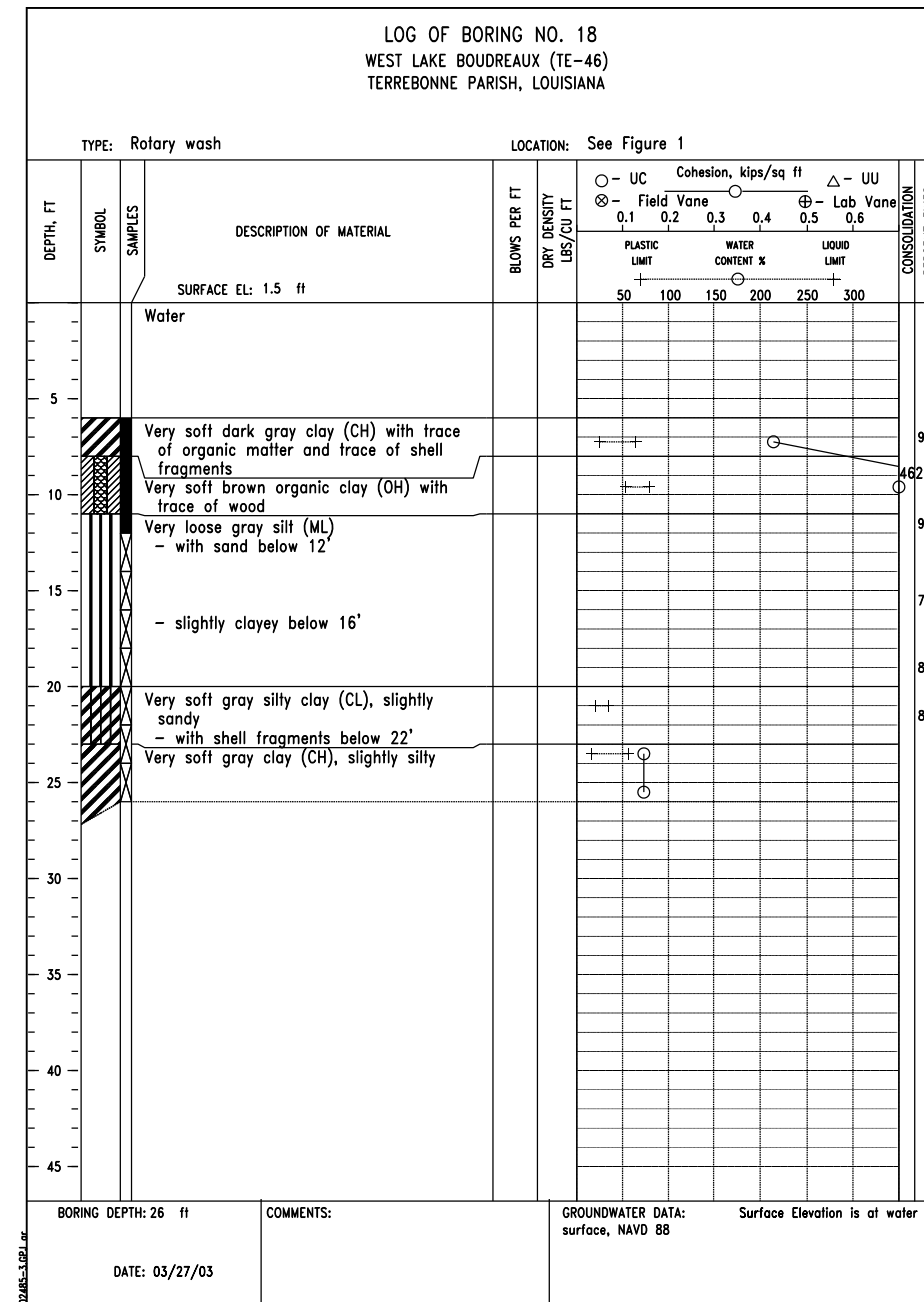


FIGURE A-18

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOGS: 16, 17 & 18
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME	LA-346
DRAWING NAME	LA346054.dgn
SHEET	54 of 65

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE

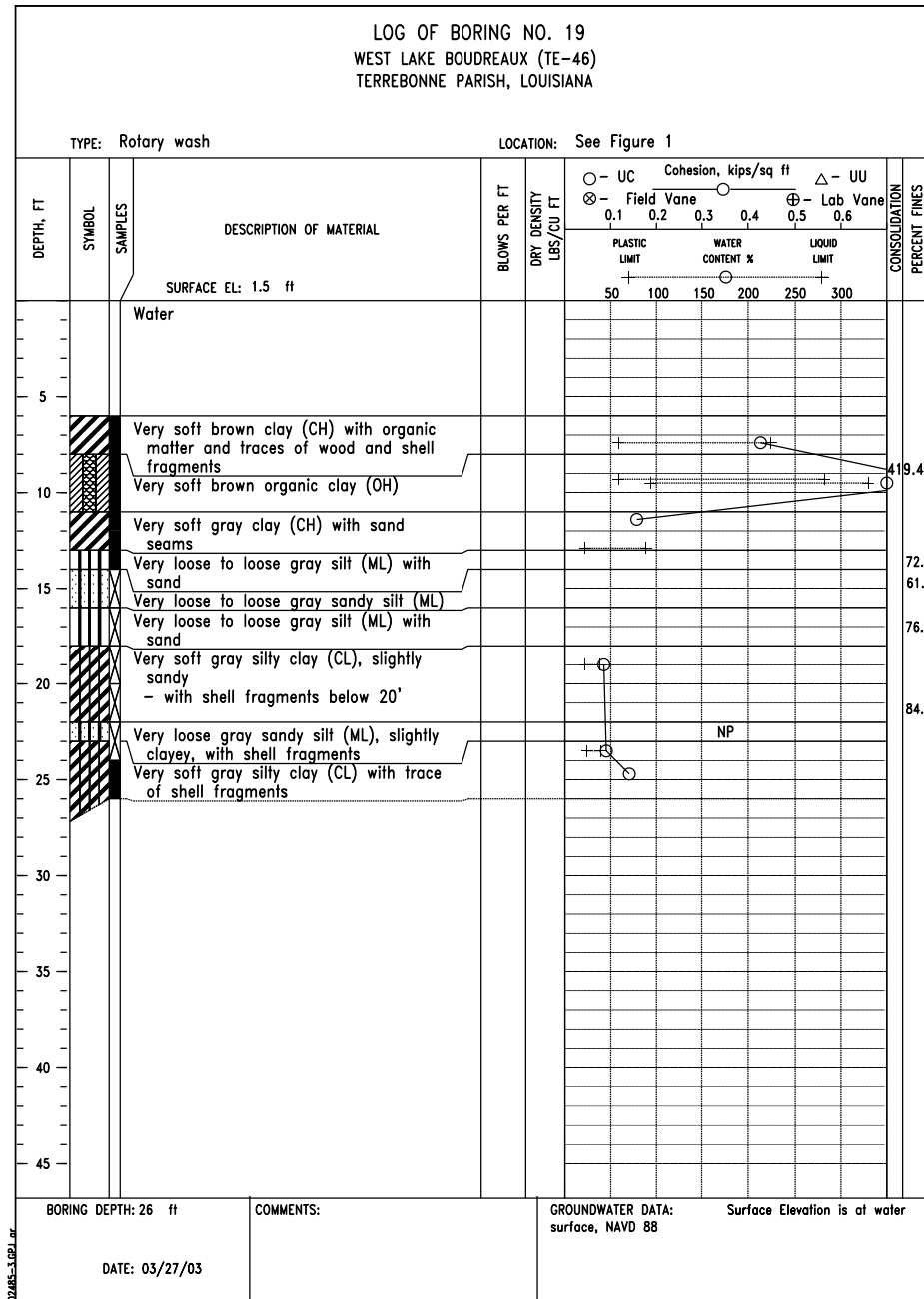


FIGURE A-19

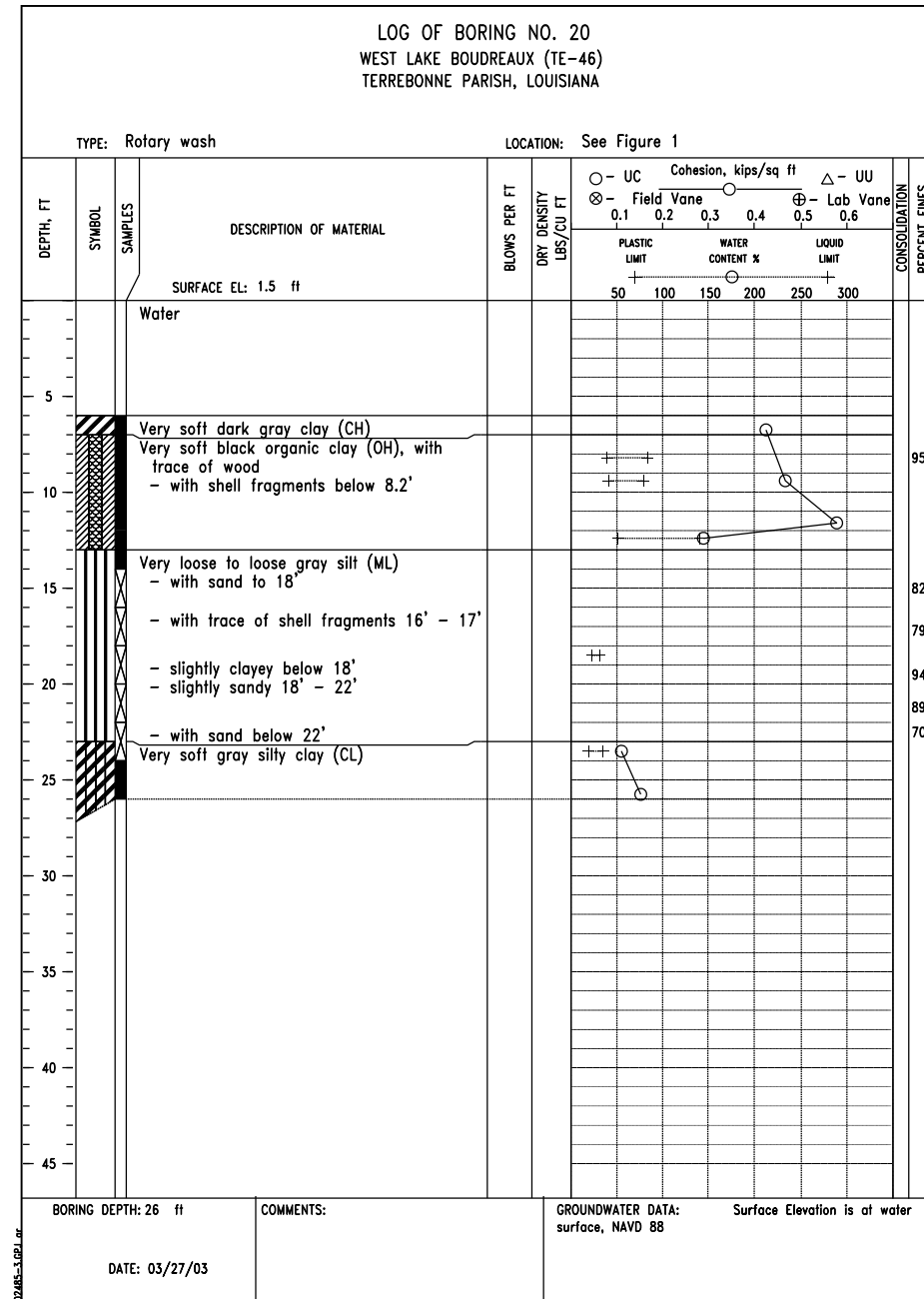


FIGURE A-20

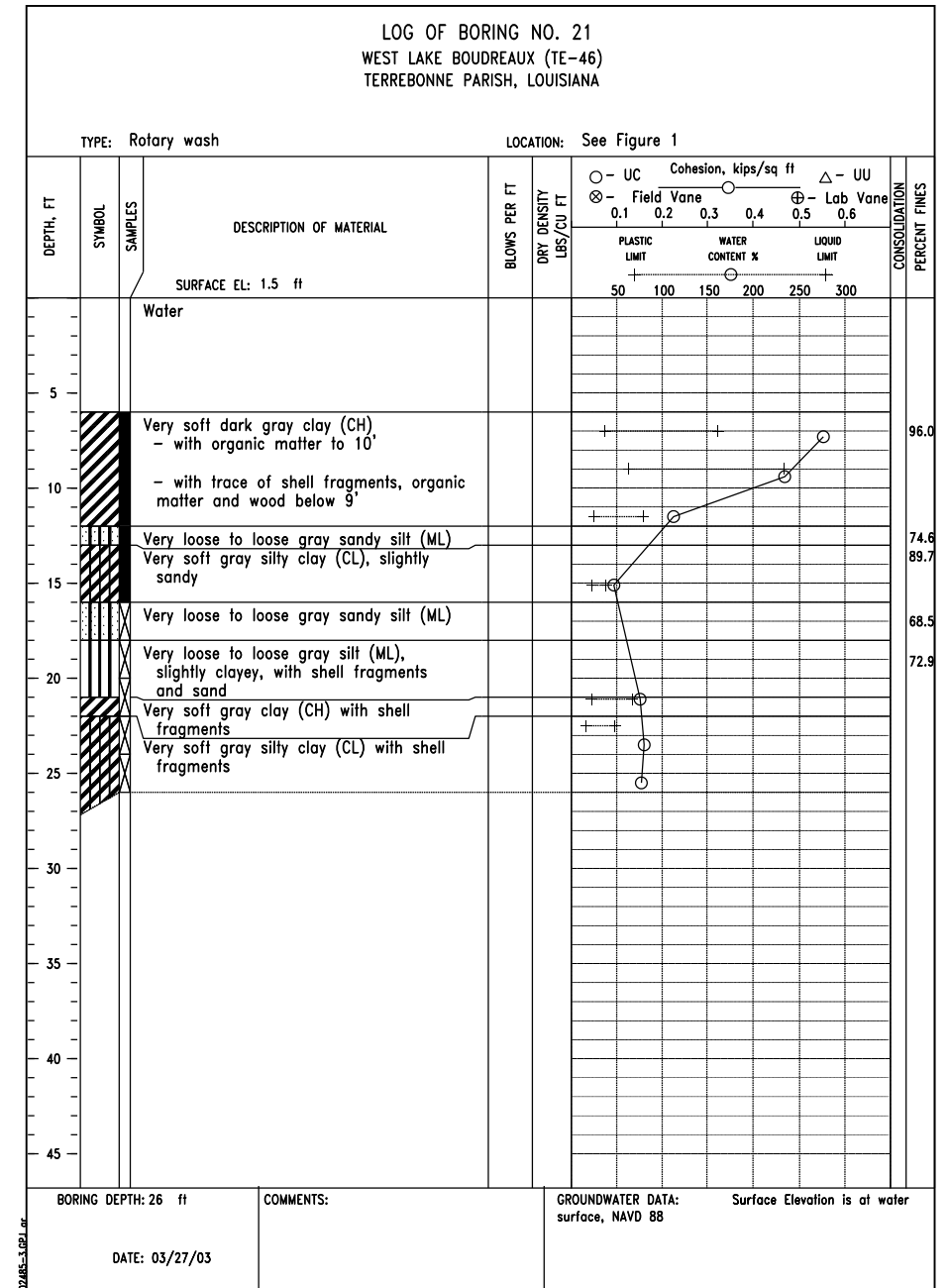


FIGURE A-21

SOIL BORING LOGS: 19, 20 & 21
 TE-46 - WEST LAKE BOUDREAU
 CONSTRUCTION UNIT NO. 1
 TERREBONNE PARISH, LOUISIANA

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06



FILE NAME
LA-346

DRAWING NAME
LA346055.dgn

SHEET 55 of 65

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE

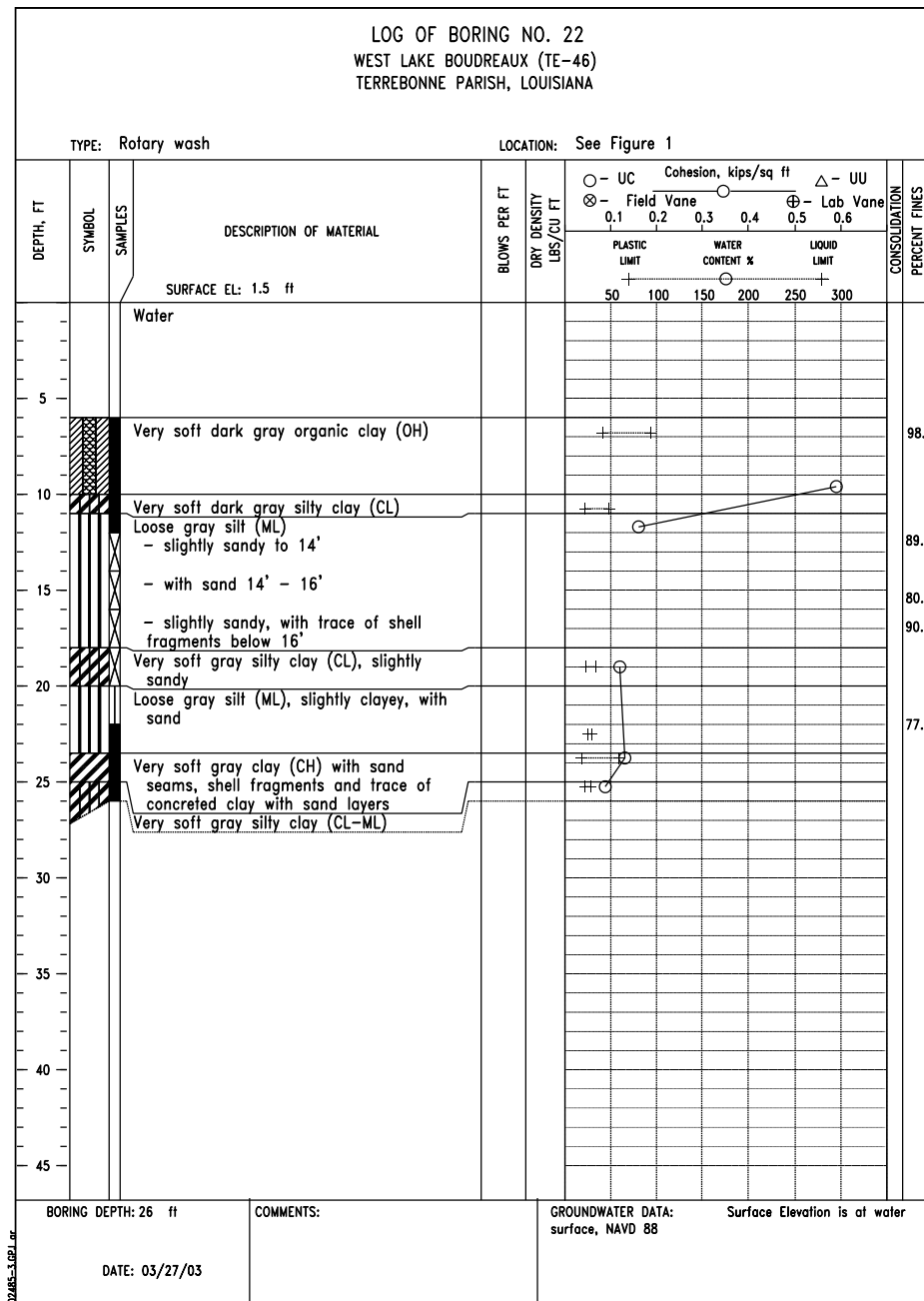


FIGURE A-22

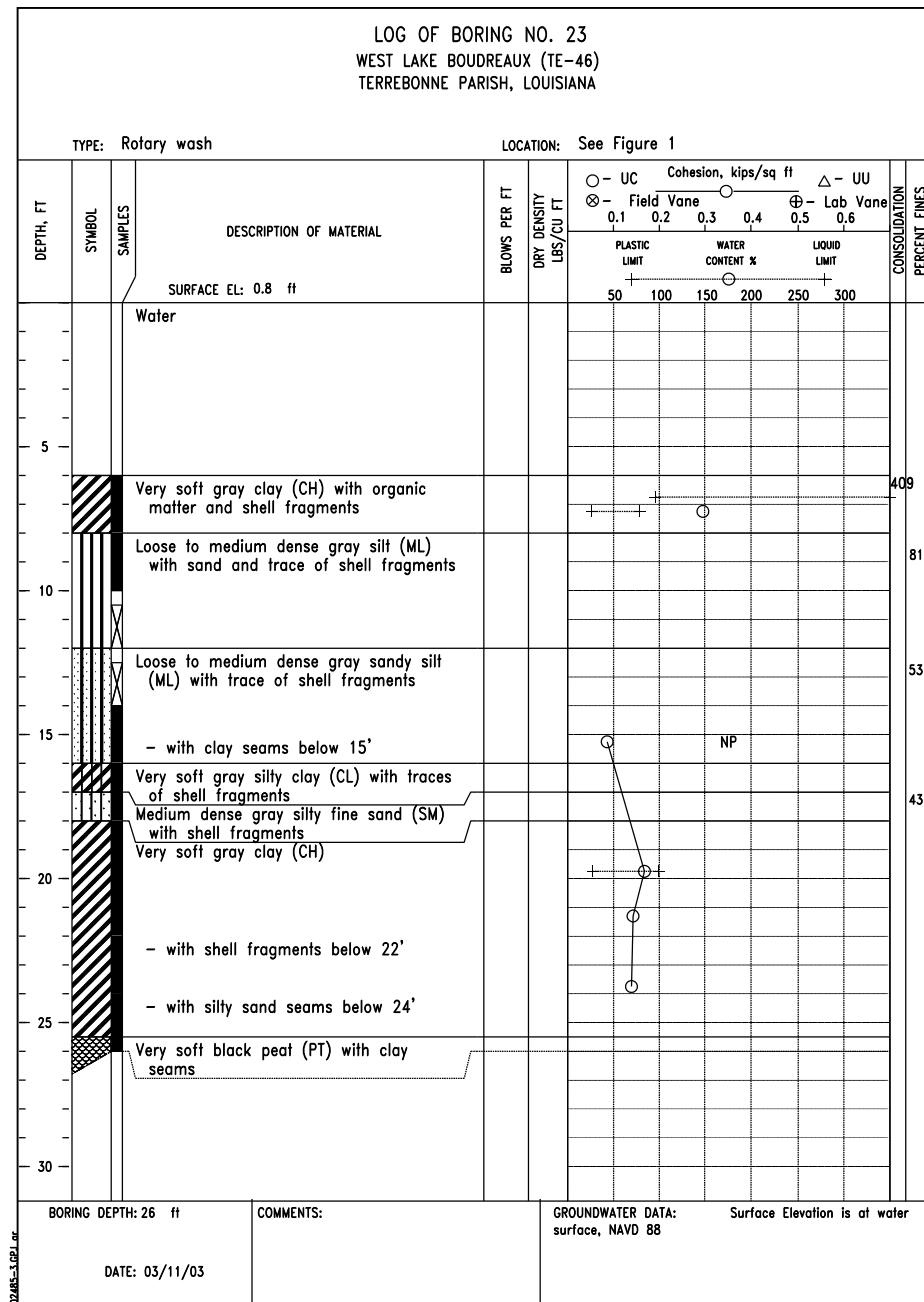


FIGURE A-23

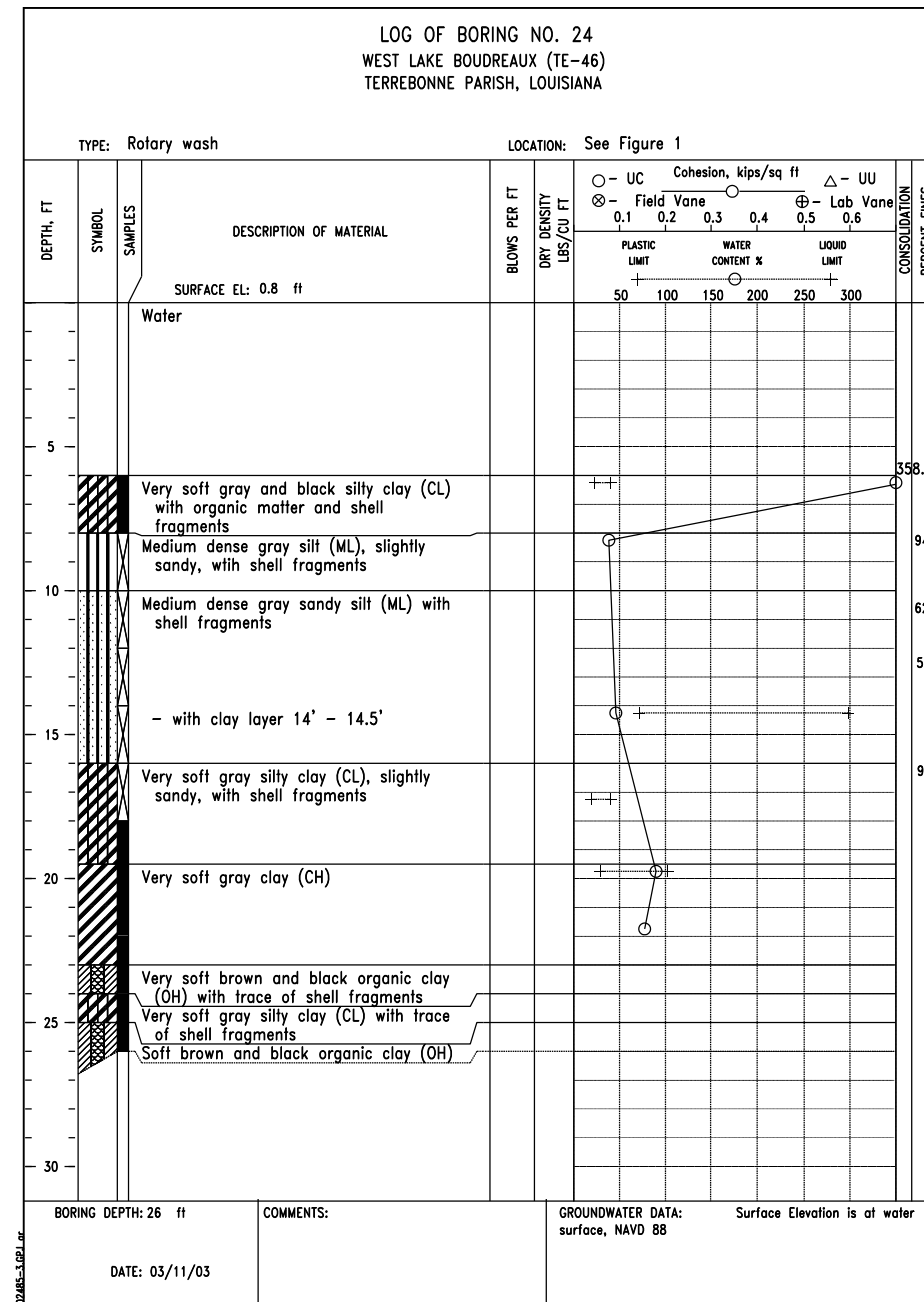


FIGURE A-24

DATE 01/05
DESIGNED R. FAULKNER
DRAWN A.J. GREMLION
CHECKED B.A. STICKER
APPROVED E.-J. GERING III

SOIL BORING LOGS: 22, 23 & 24
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



"AS-BUILT"

FILE NAME
LA-346

DRAWING NAME
LA346056.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

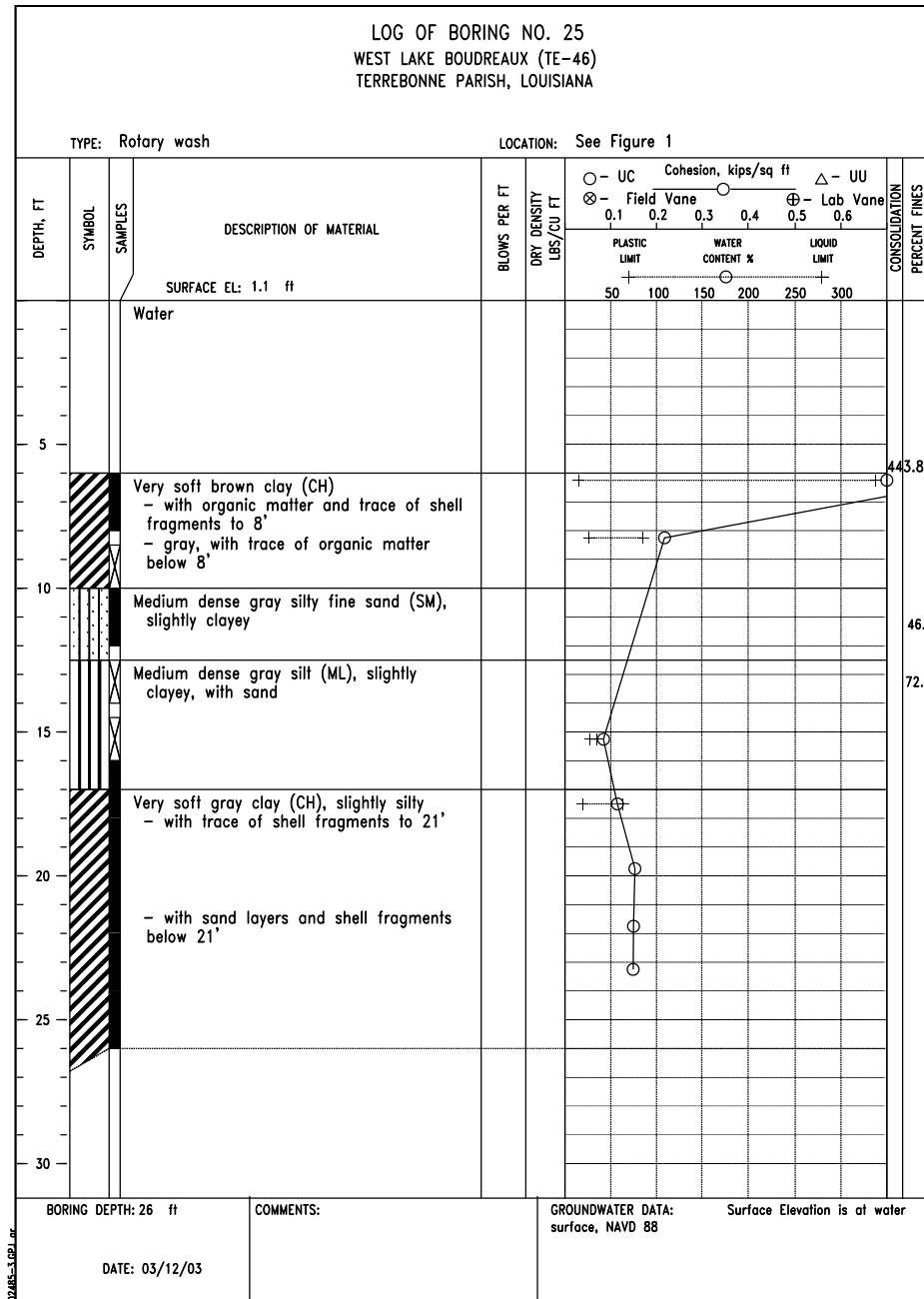


FIGURE A-25

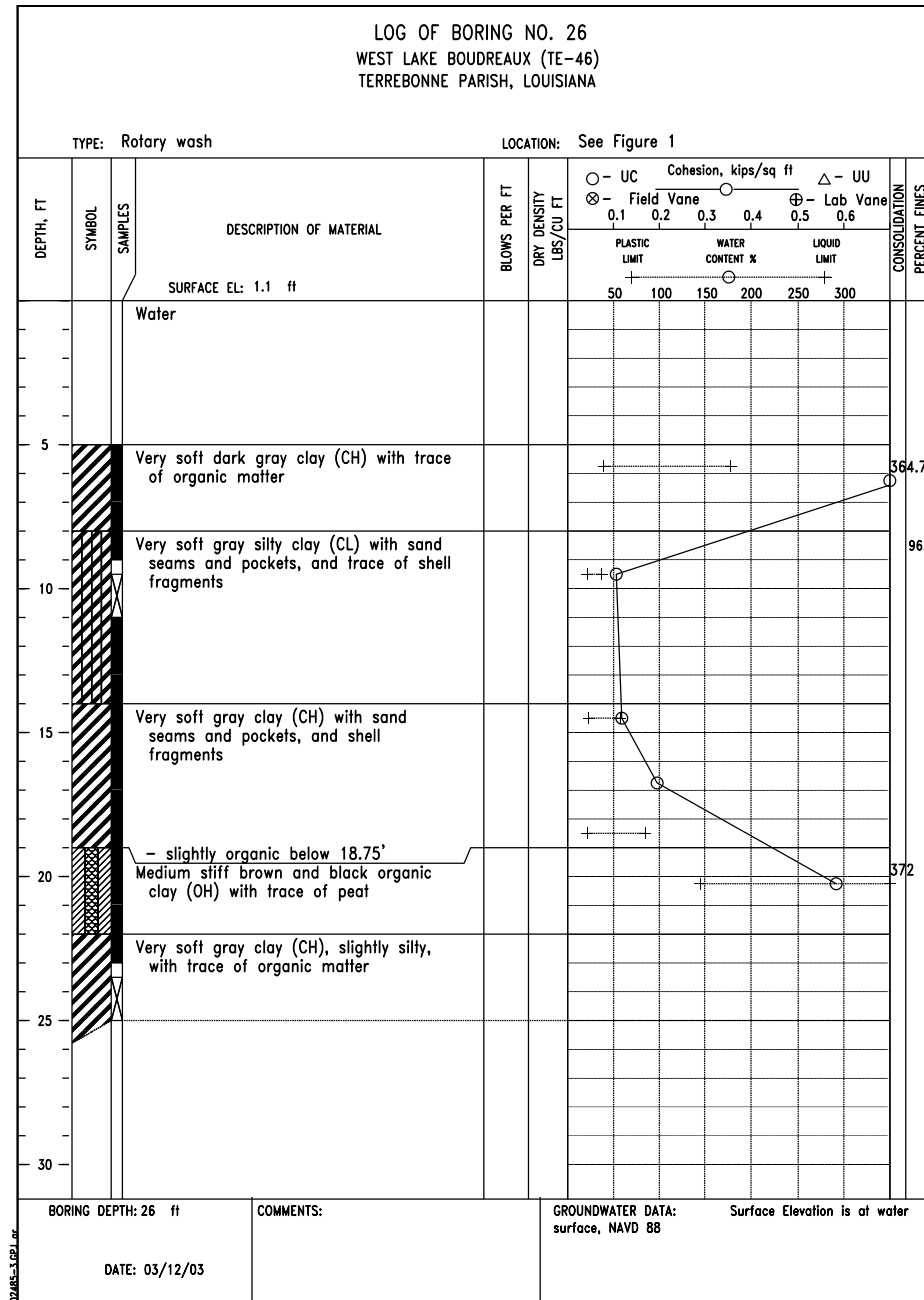


FIGURE A-26

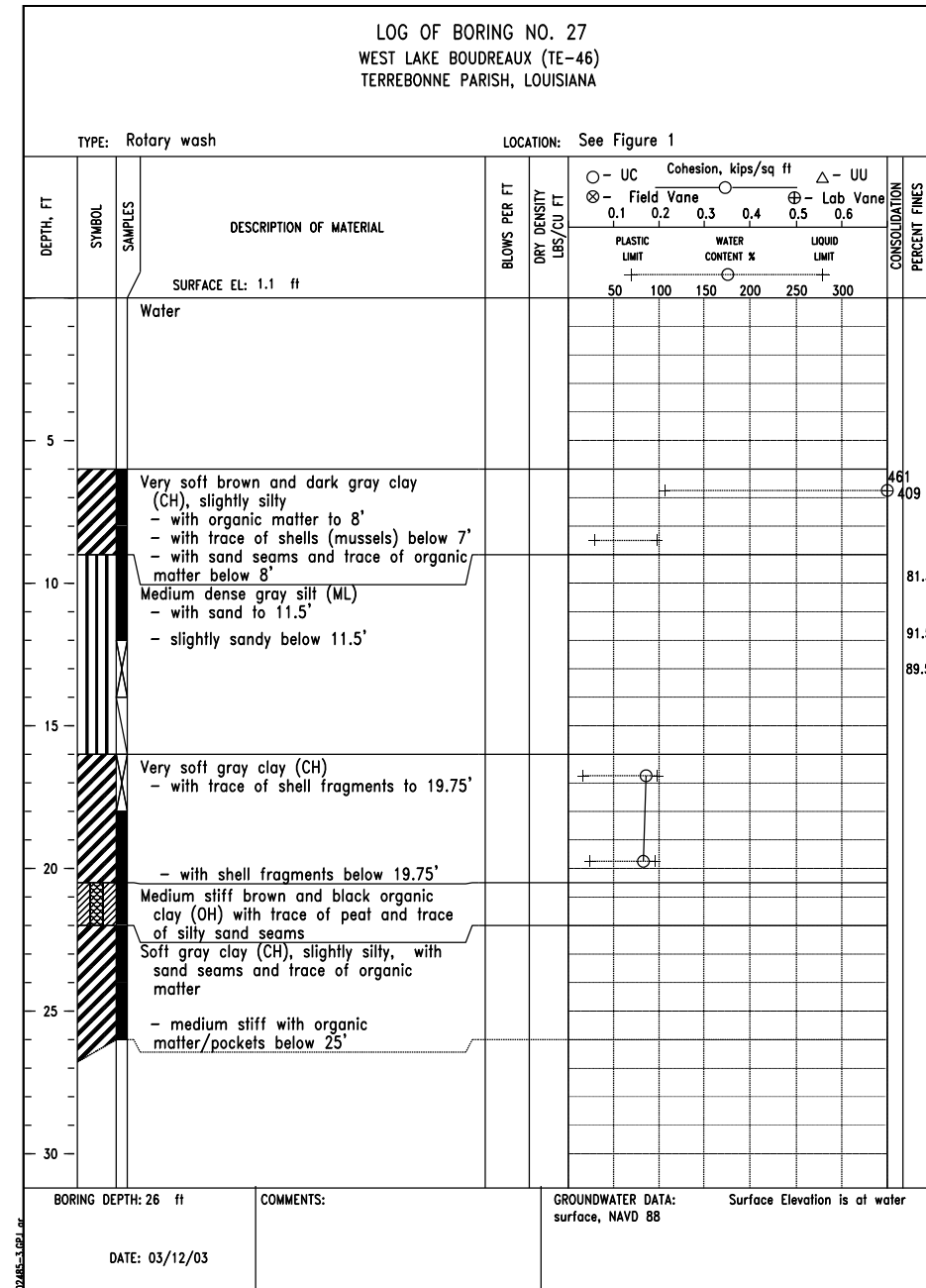


FIGURE A-27

SOIL BORING LOGS: 25, 26 & 27
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

DESIGNED: R. FAULKNER DATE: 01/05
DRAWN: A.J. GREMLION DATE: 01/05
CHECKED: B.A. STICKER DATE: 06/06
APPROVED: E.J. GIERING III DATE: 12/06



"AS-BUILT"

FILE NAME: LA-346
DRAWING NAME: LA346057.dgn
SHEET 57 of 65

REVISIONS			
NO.	DATE	APPROVED	TITLE

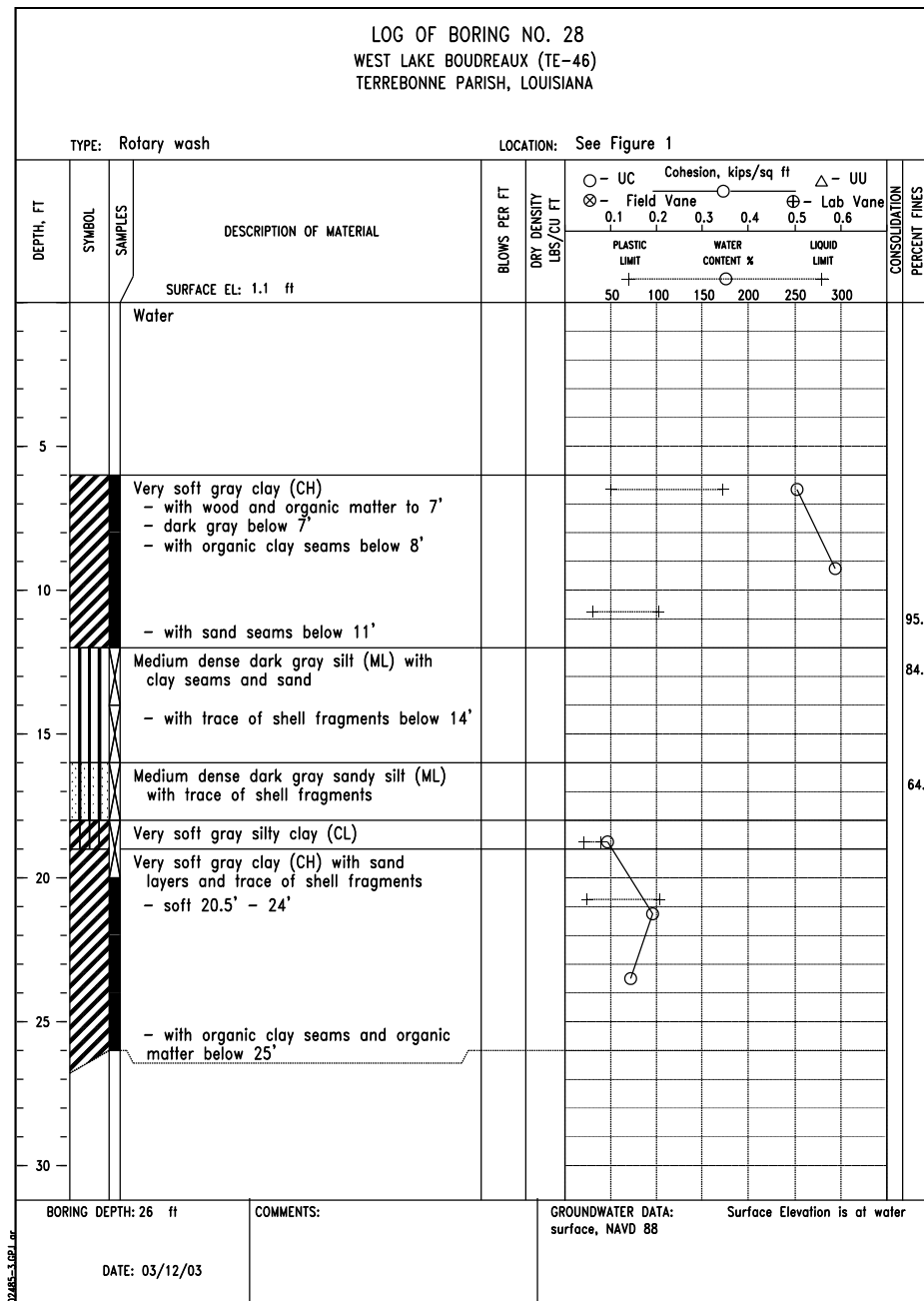


FIGURE A-28

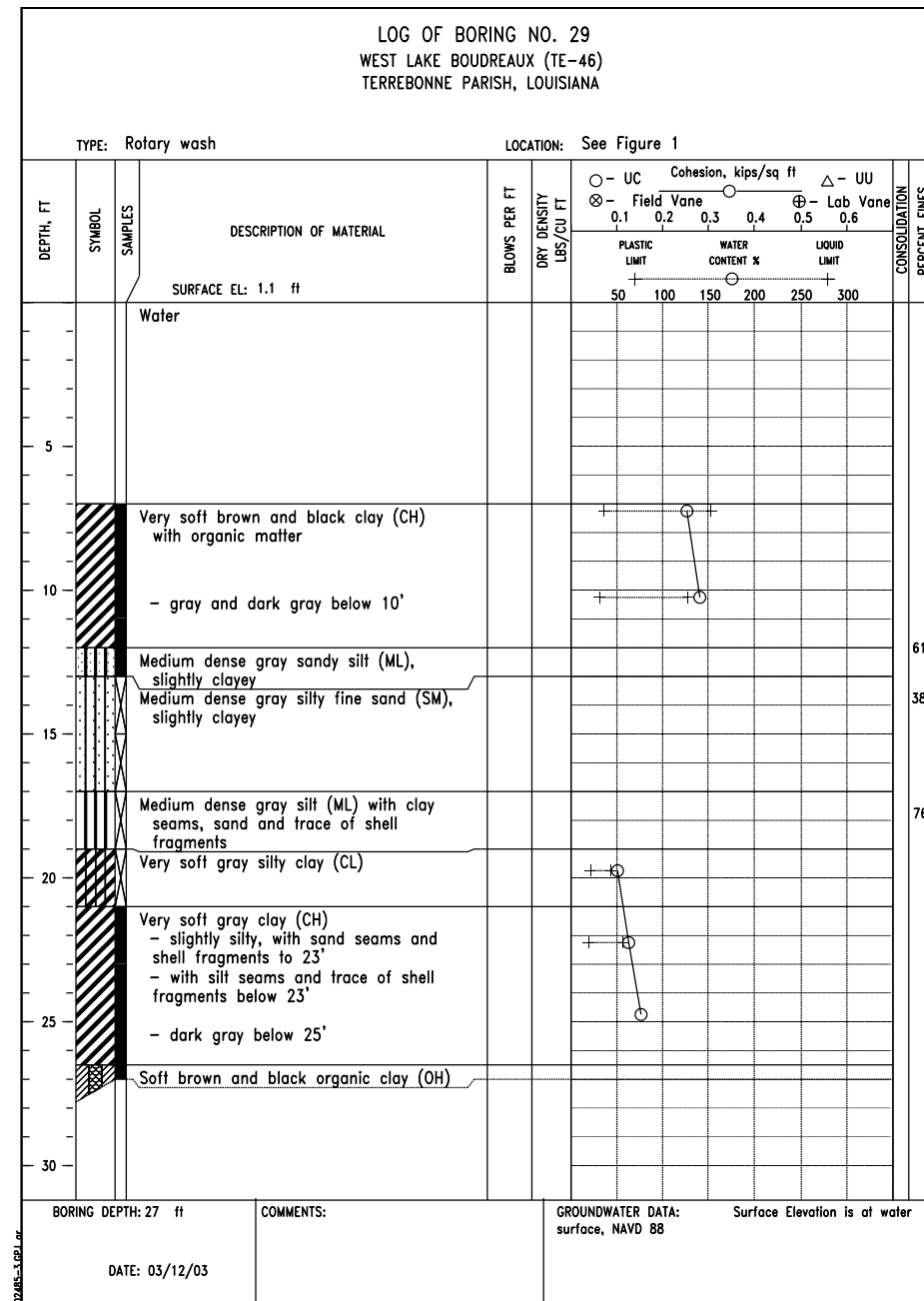


FIGURE A-29

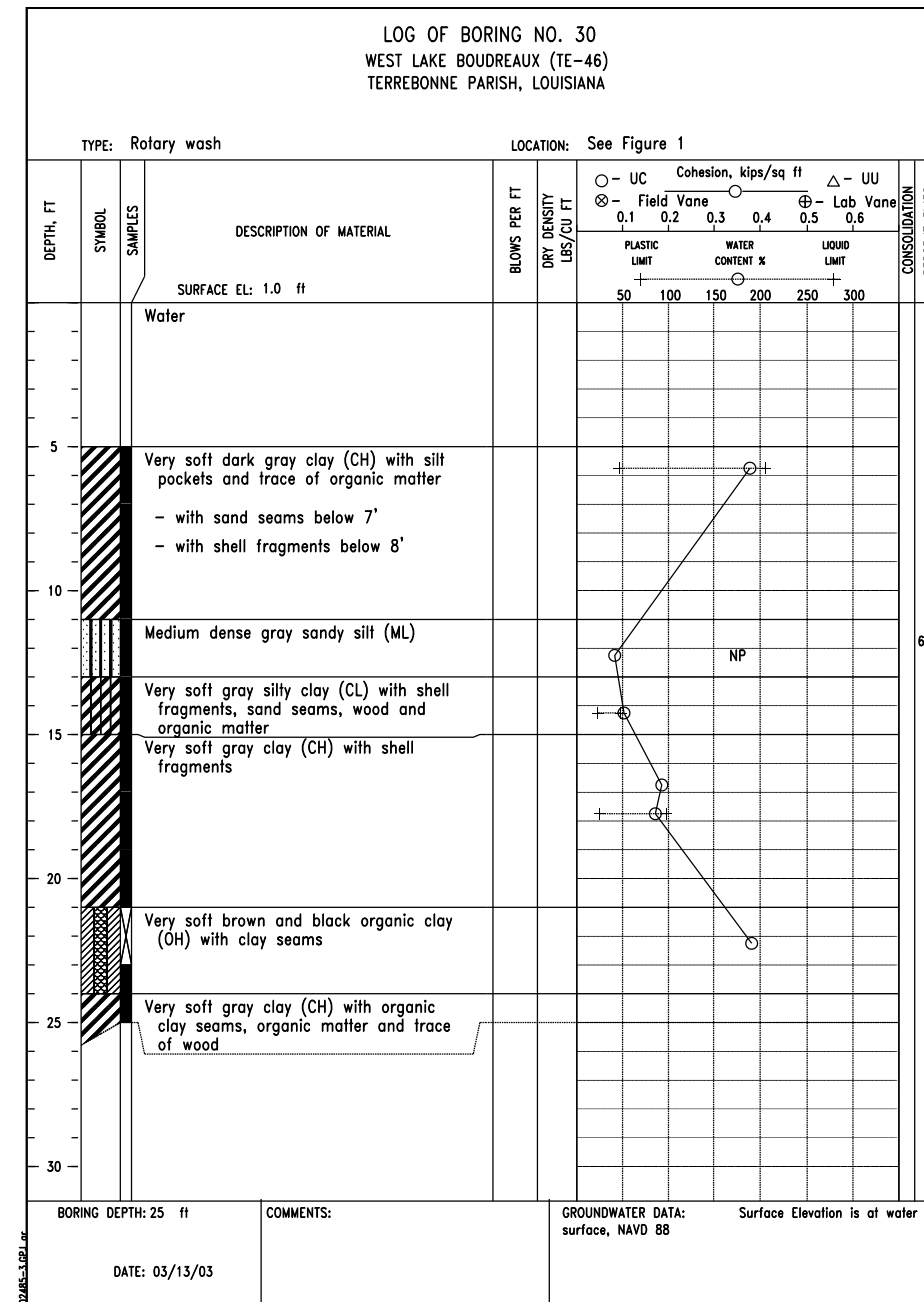


FIGURE A-30

DATE: 01/05
DESIGNED: R. FAULKNER
DRAWN: A.J. GREMLION
CHECKED: B.A. STICKER
APPROVED: E.J. GERING III

SOIL BORING LOGS: 28, 29 & 30
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME: LA-346
DRAWING NAME: LA346058.dgn
SHEET 58 of 65

"AS-BUILT"

REVISIONS			
NO.	DATE	APPROVED	TITLE

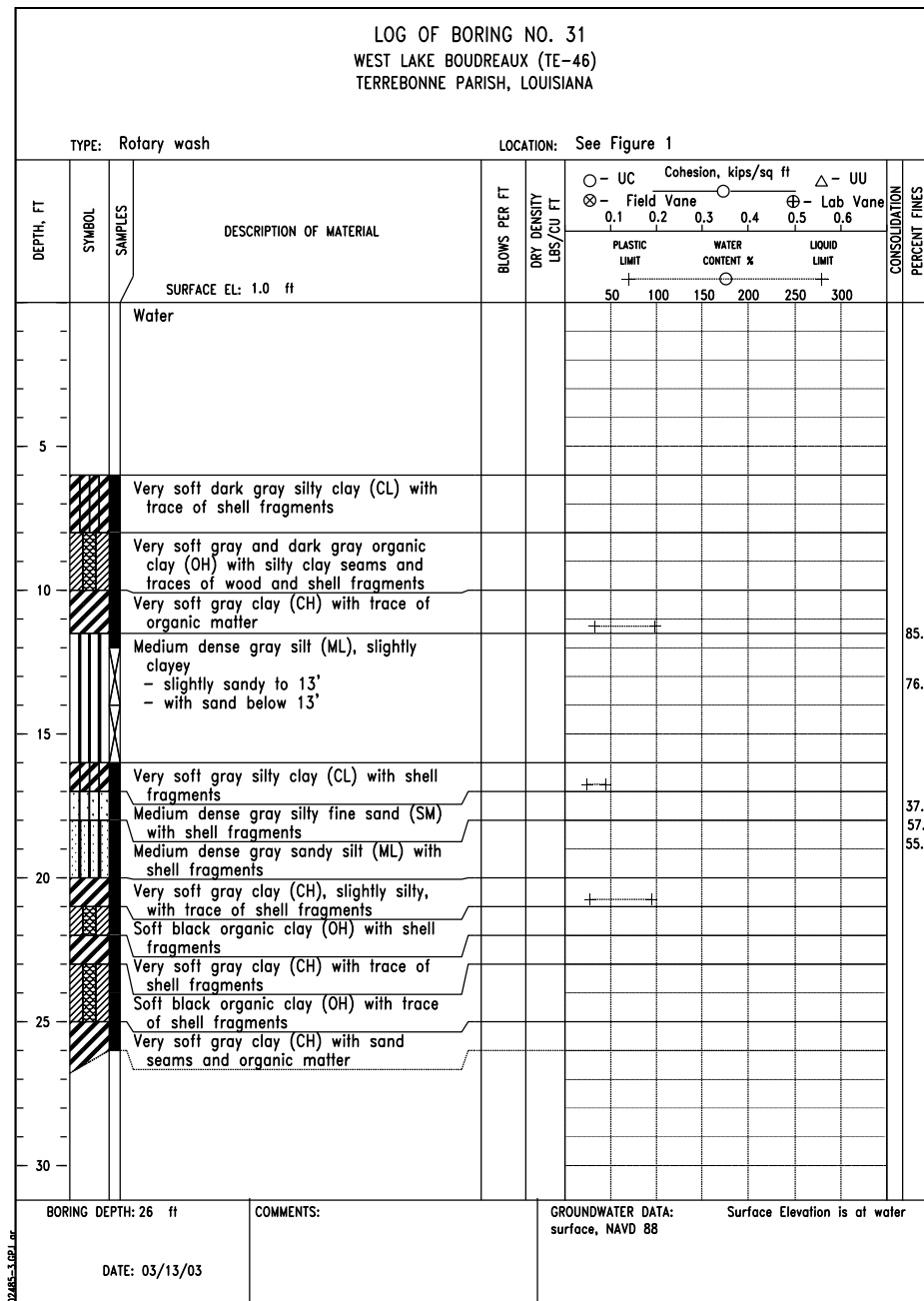


FIGURE A-31

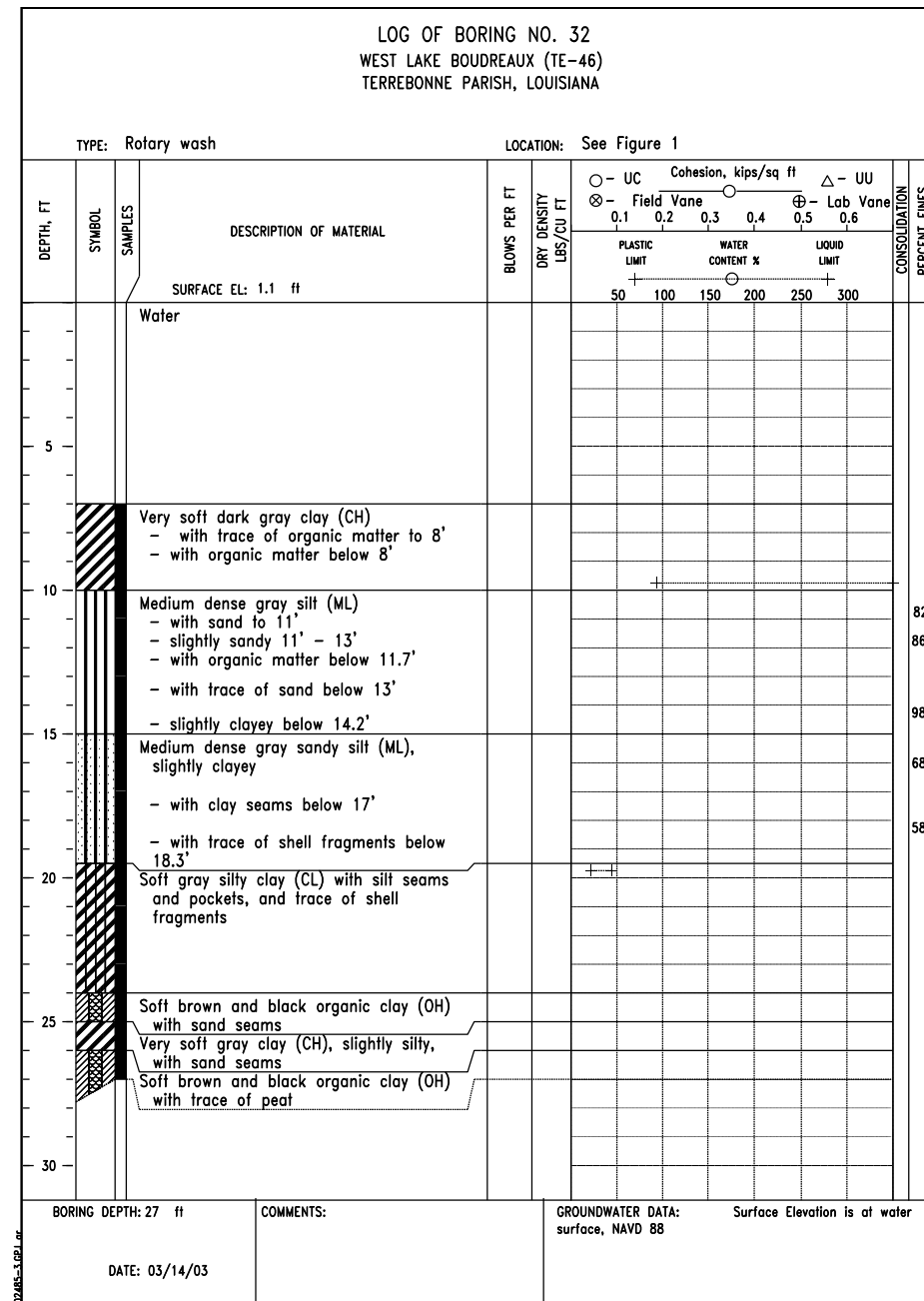


FIGURE A-32

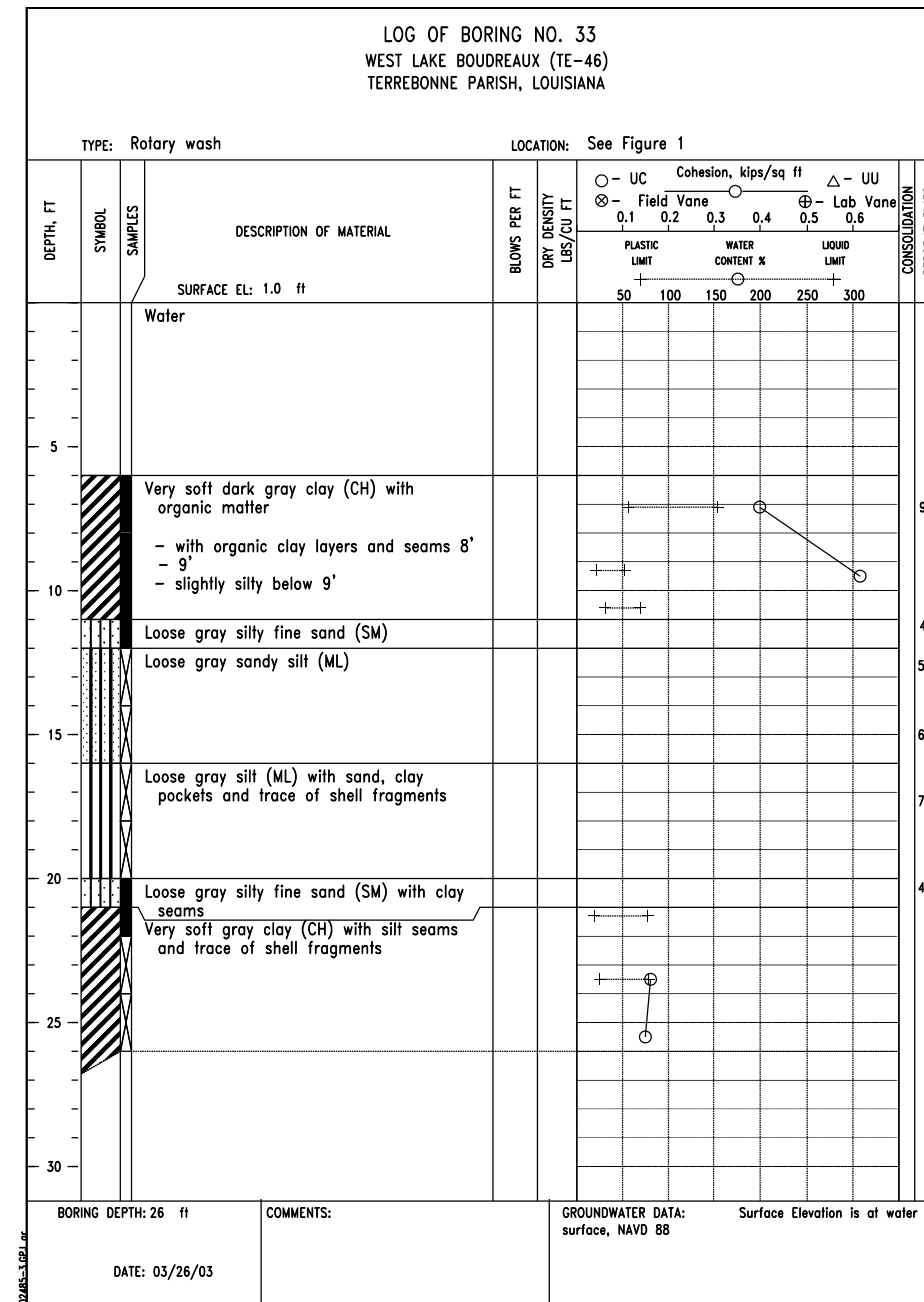


FIGURE A-33

DESIGNED: R. FAULKNER
DRAWN: A.J. GREMLION
CHECKED: B.A. STICKER
APPROVED: E.J. GIERING

DATE: 01/05
01/05
06/06
12/06

SOIL BORING LOGS: 31, 33 & 33
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME: LA-346
DRAWING NAME: LA346059.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

"AS-BUILT"

LOG OF BORING NO. 34
WEST LAKE BOUDREAU (TE-46)
TERREBONNE PARISH, LOUISIANA

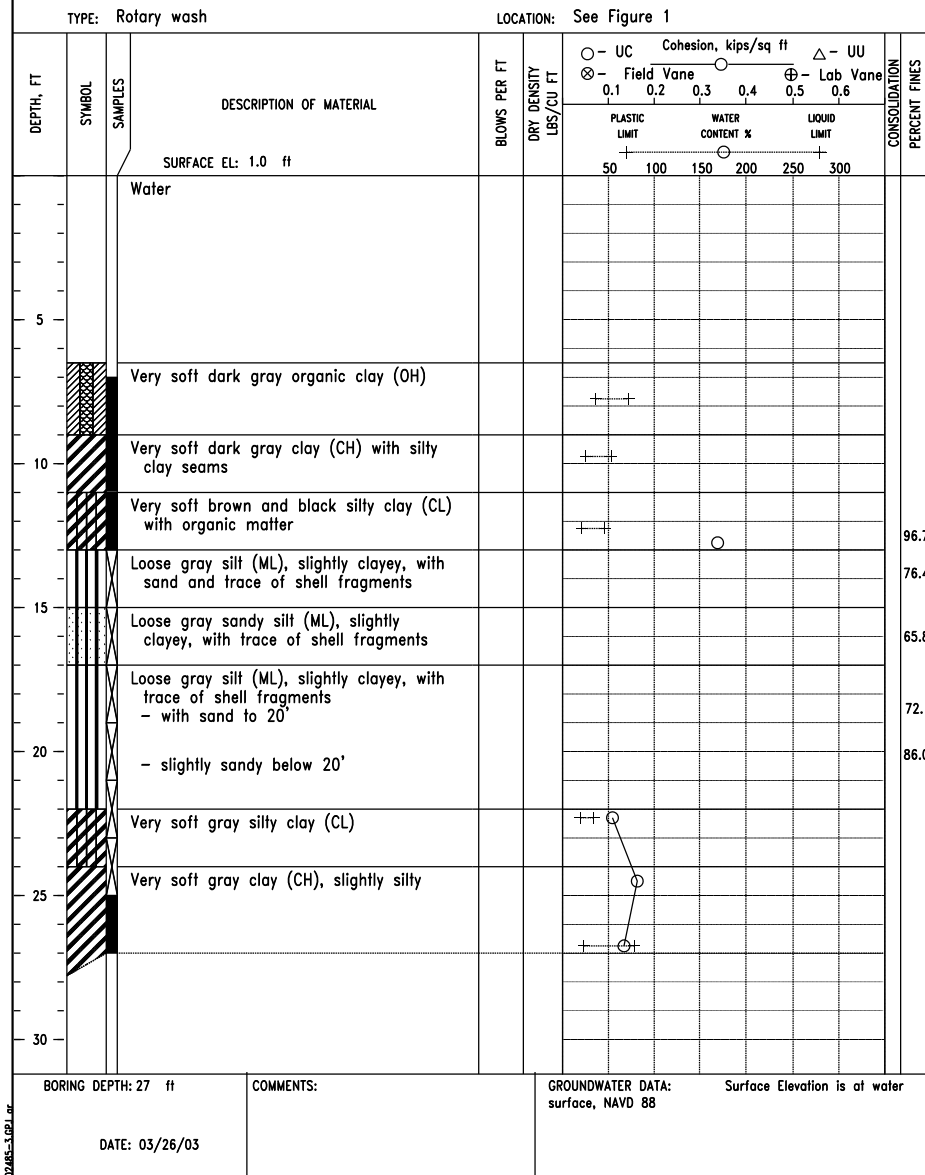


FIGURE A-34

LOG OF BORING NO. 35
WEST LAKE BOUDREAU (TE-46)
TERREBONNE PARISH, LOUISIANA

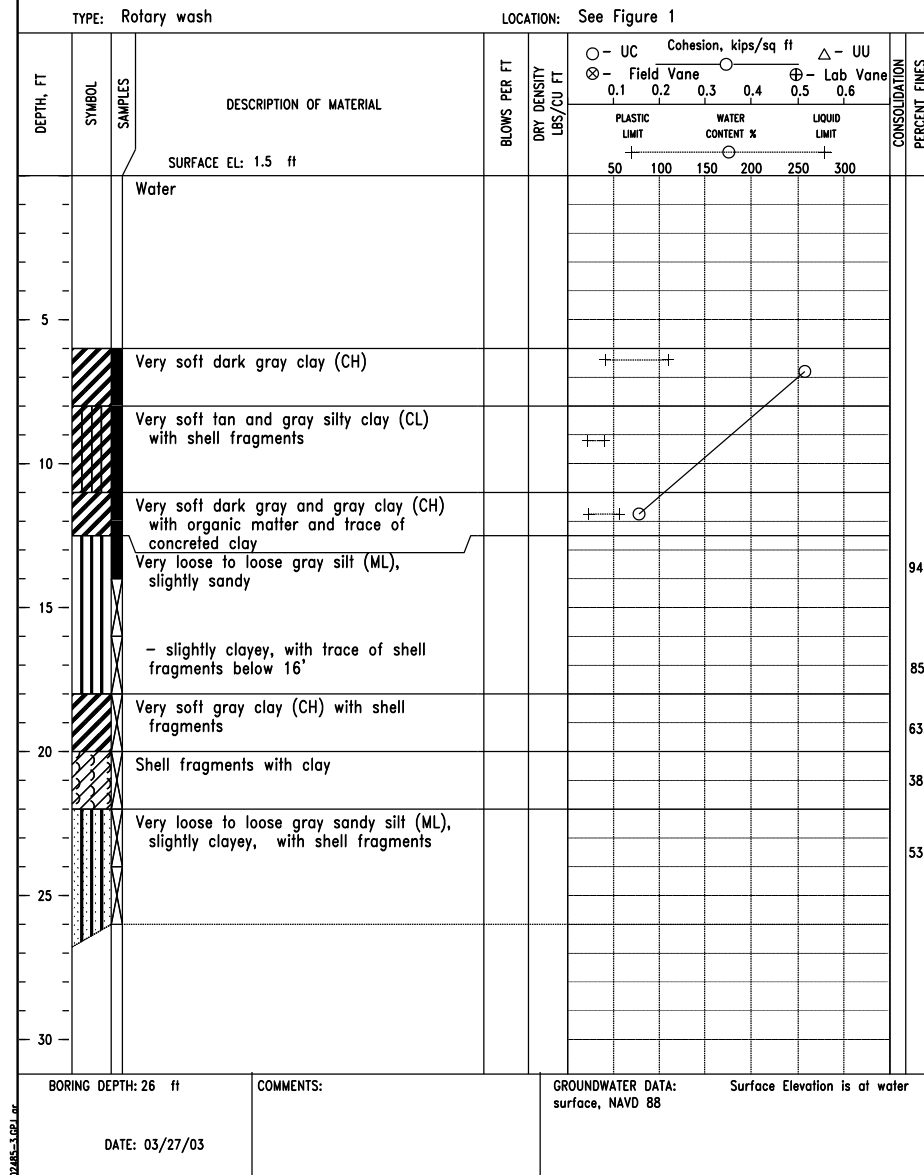


FIGURE A-35

LOG OF BORING NO. 36
WEST LAKE BOUDREAU (TE-46)
TERREBONNE PARISH, LOUISIANA

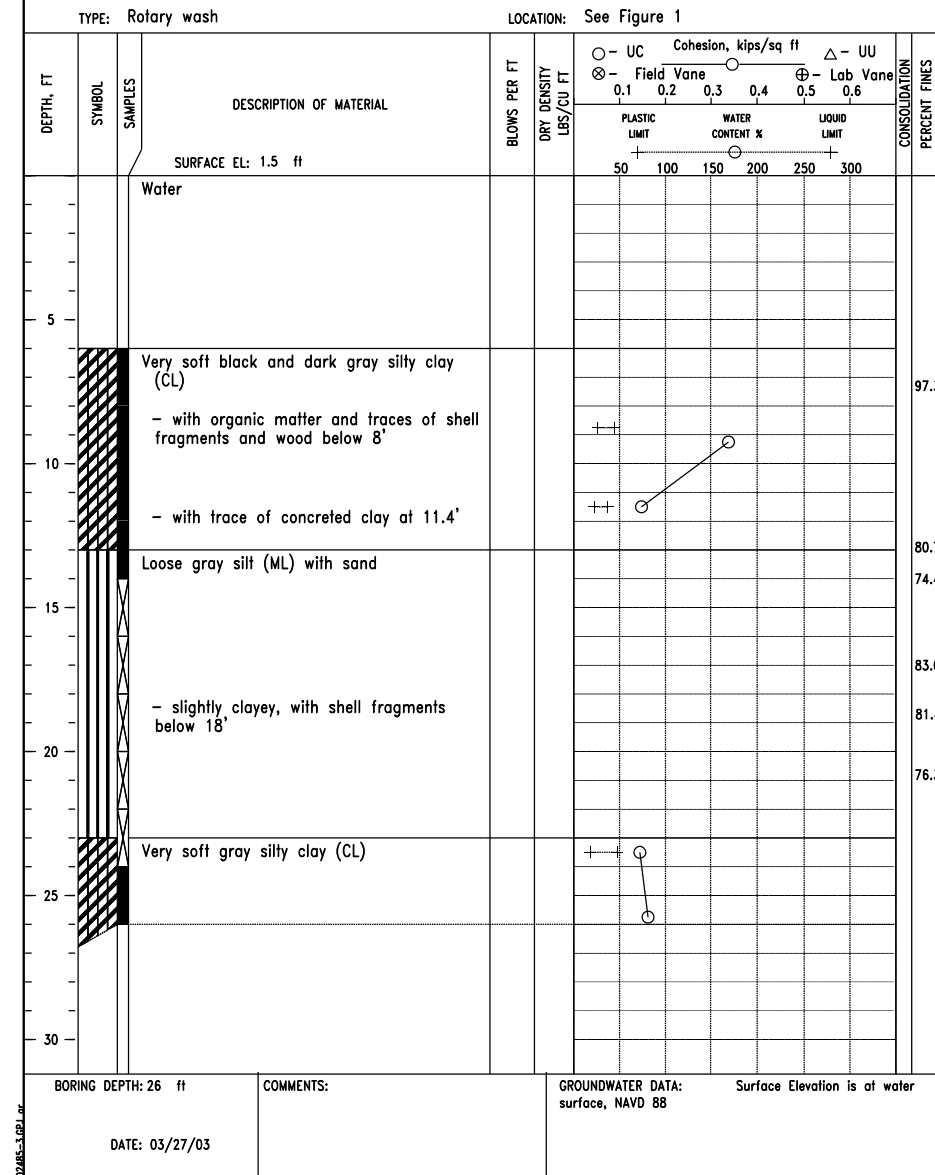


FIGURE A-36

DESIGNED: R. FAULKNER
DRAWN: A.J. GREMLION
CHECKED: B.A. STICKER
APPROVED: E.J. GERING III

DATE: 01/05
01/05
06/06
12/06

SOIL BORING LOGS: 34, 35 & 36
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



"AS-BUILT"

FILE NAME: LA-346
DRAWING NAME: LA346060.dgn
SHEET 60 of 65

REVISIONS			
NO.	DATE	APPROVED	TITLE

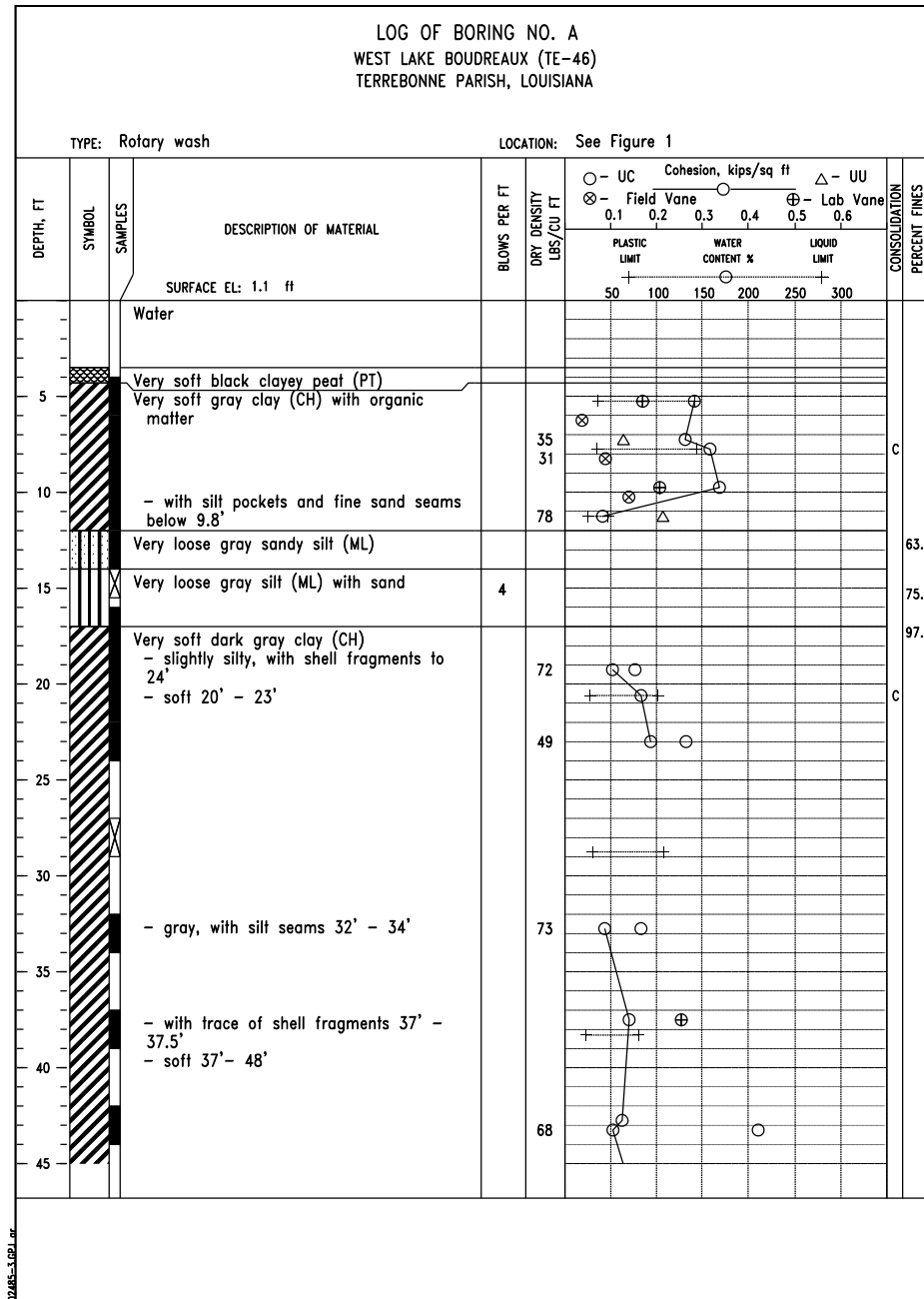


FIGURE A-37

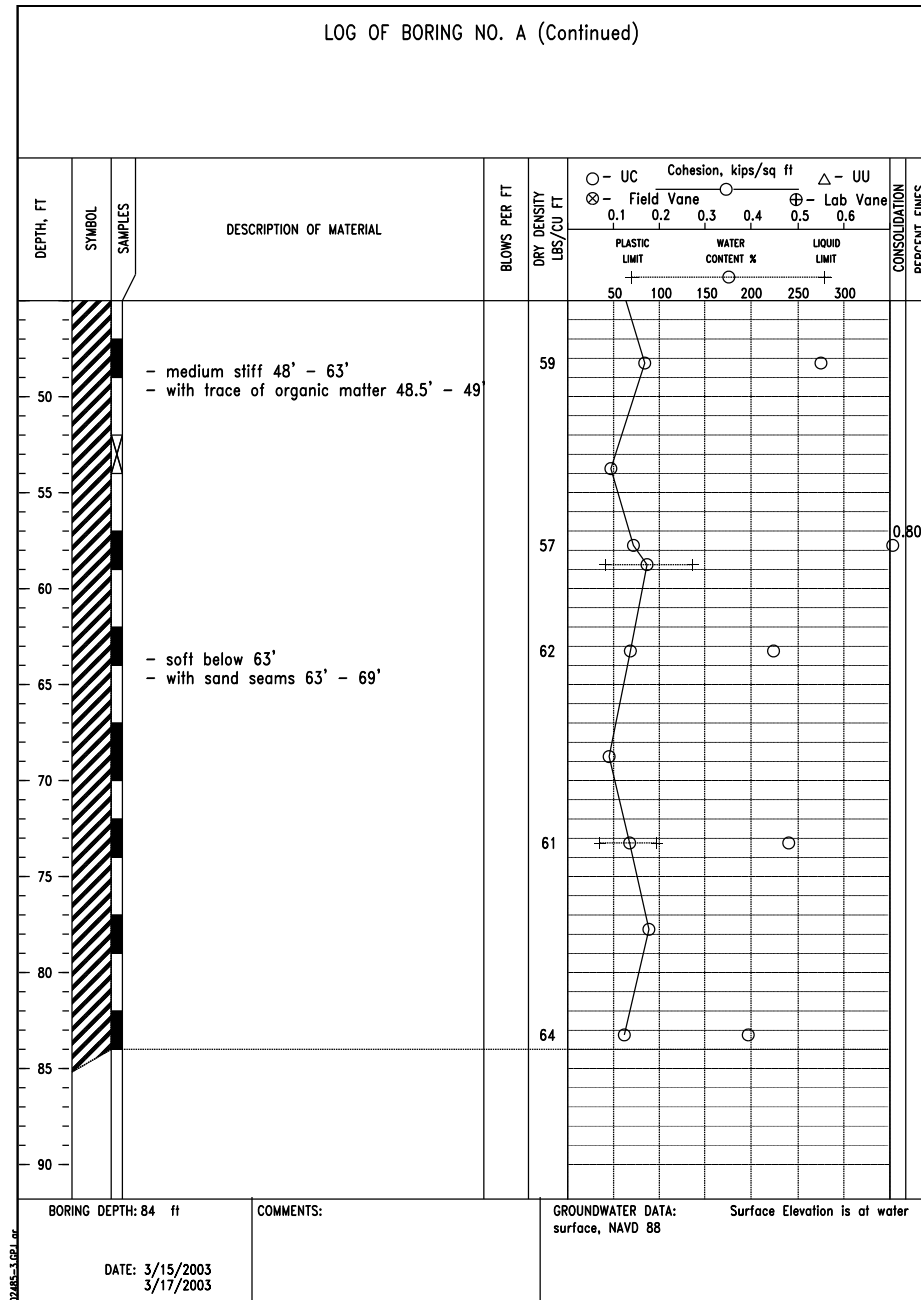


FIGURE A-38

"AS-BUILT"

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMILLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOG: A
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME
LA-346

DRAWING NAME
LA346061.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

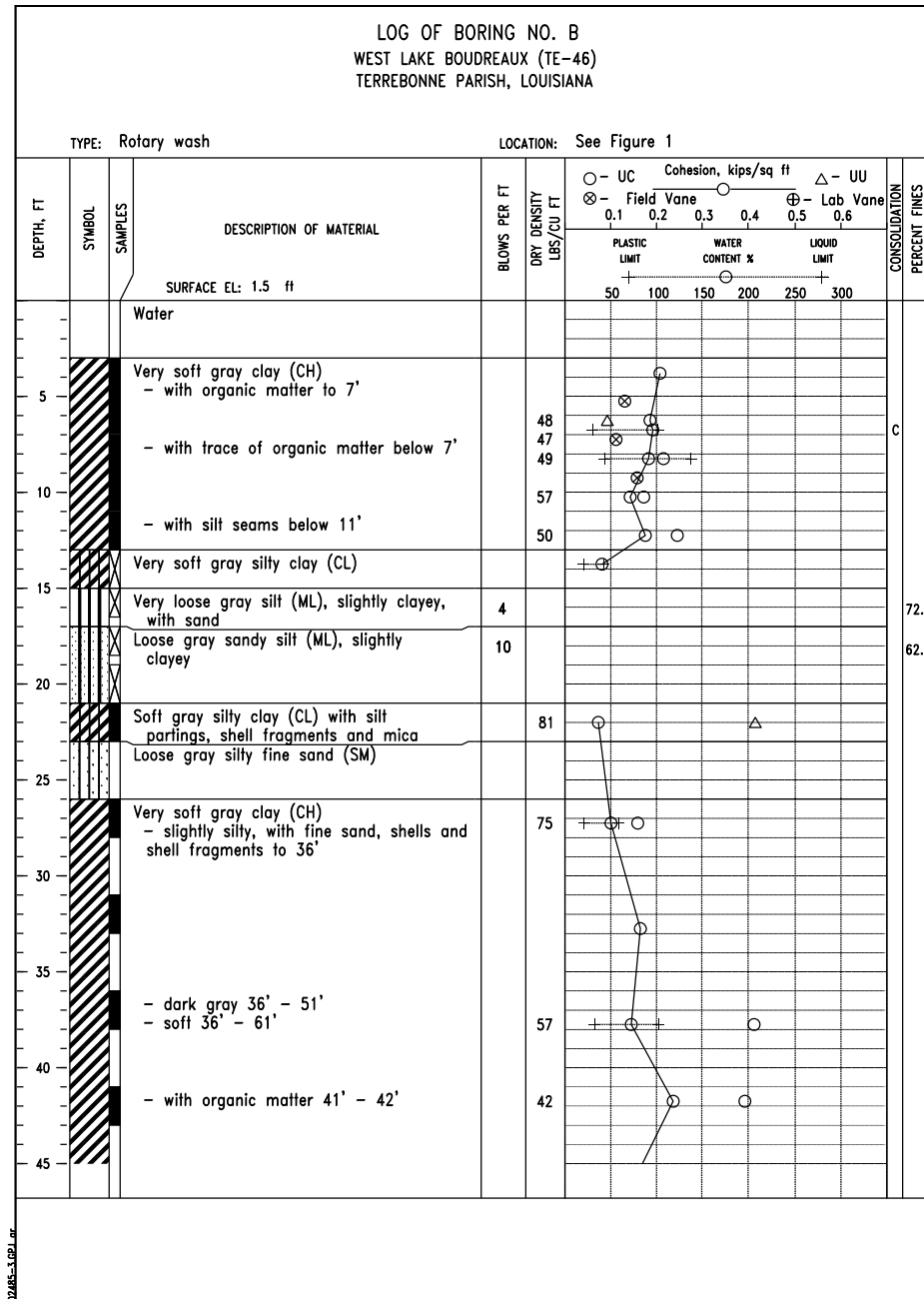


FIGURE A-39

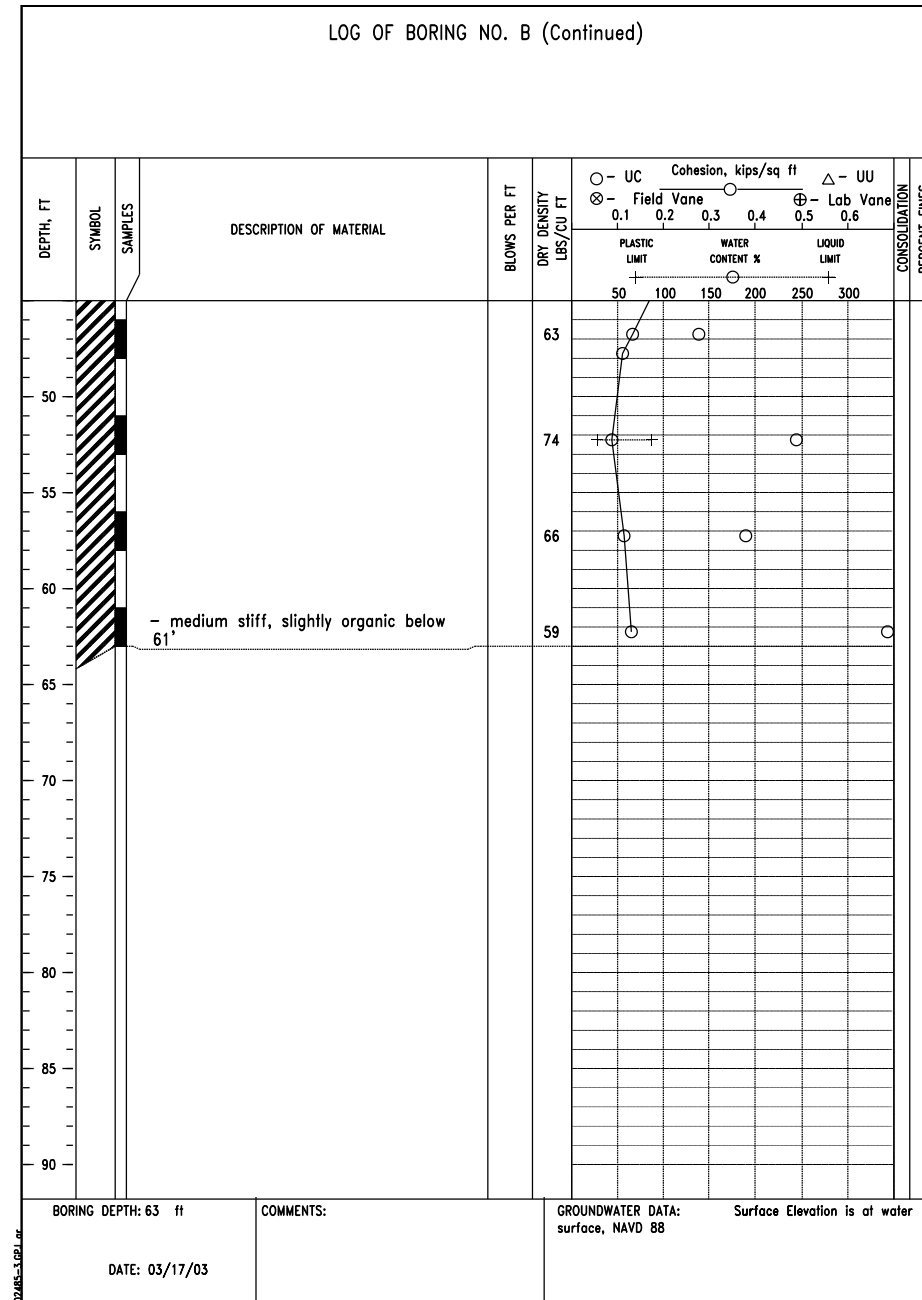


FIGURE A-40

SOIL BORING LOG: B
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA

DESIGNED: R. FAULKNER DATE: 01/05
DRAWN: A.J. GREMILLION DATE: 01/05
CHECKED: B.A. STICKER DATE: 06/06
APPROVED: E.J. GERING III DATE: 12/06



"AS-BUILT"

FILE NAME
LA-346

DRAWING NAME
LA346062.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

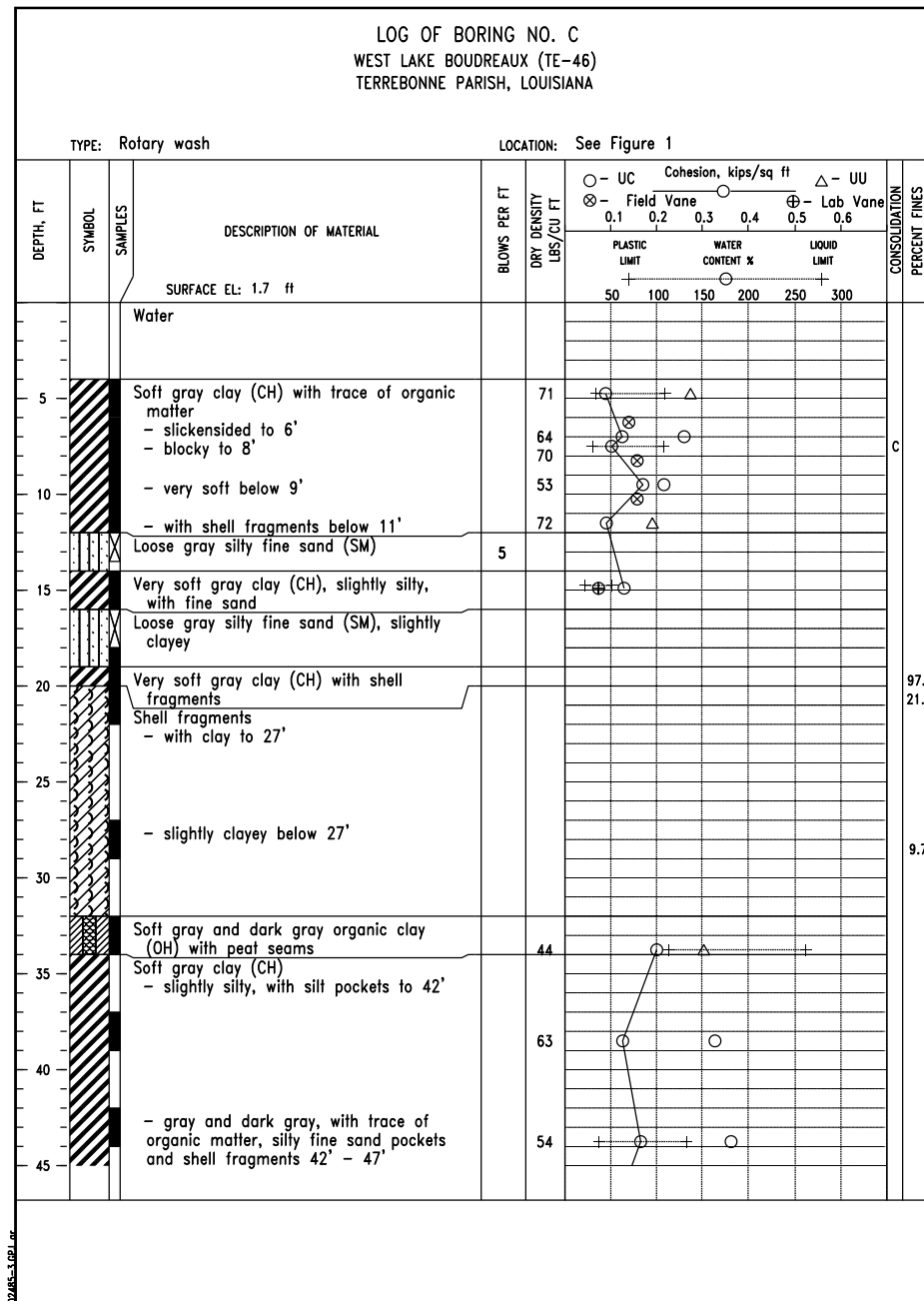


FIGURE A-41

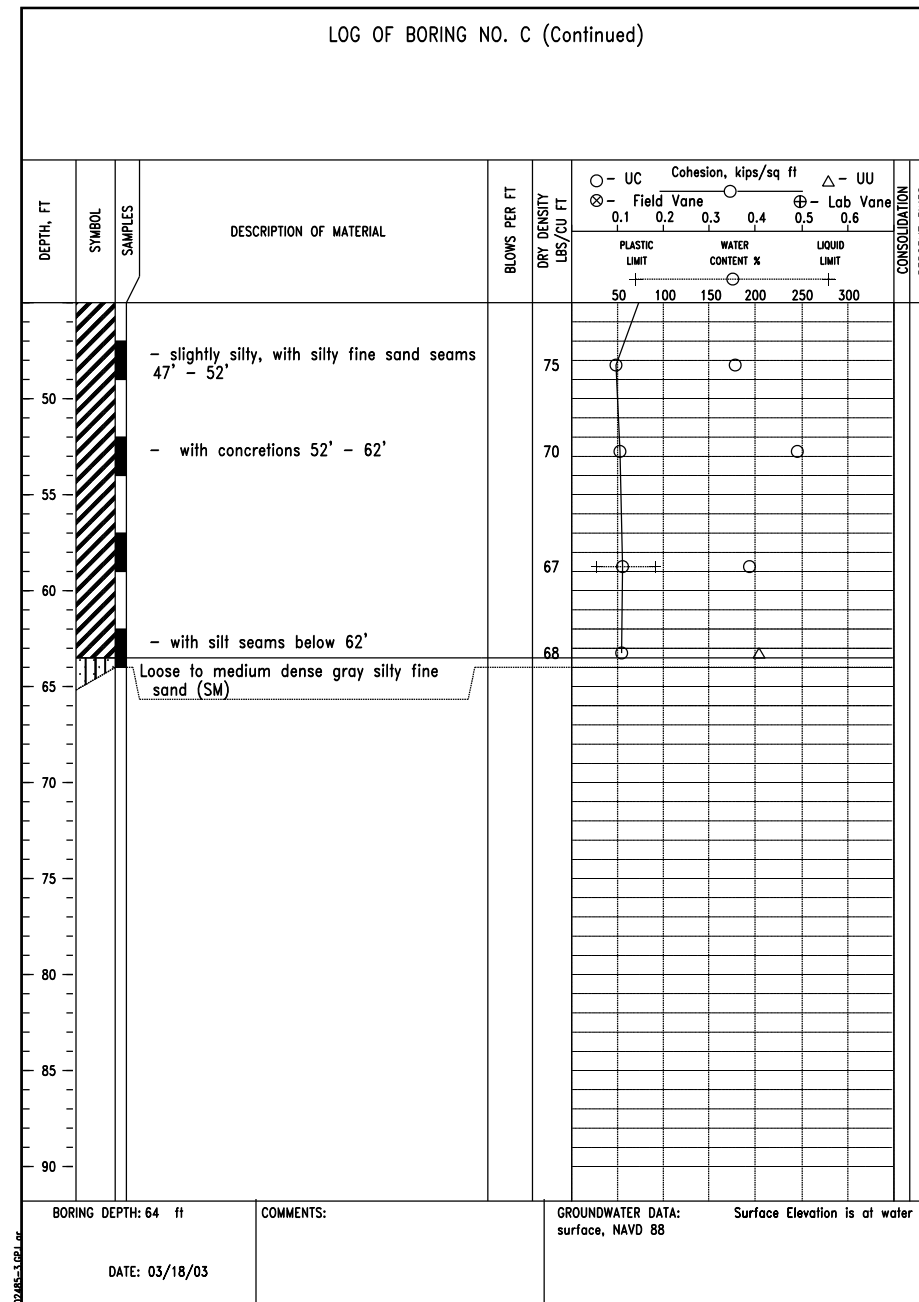


FIGURE A-42

DESIGNED: R. FAULKNER DATE: 01/05
DRAWN: A.J. GREMILLION DATE: 01/05
CHECKED: B.A. STICKER DATE: 06/06
APPROVED: E.J. GERING III DATE: 12/06

SOIL BORING LOG: C
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



"AS-BUILT"

FILE NAME: LA-346

DRAWING NAME: LA346063.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

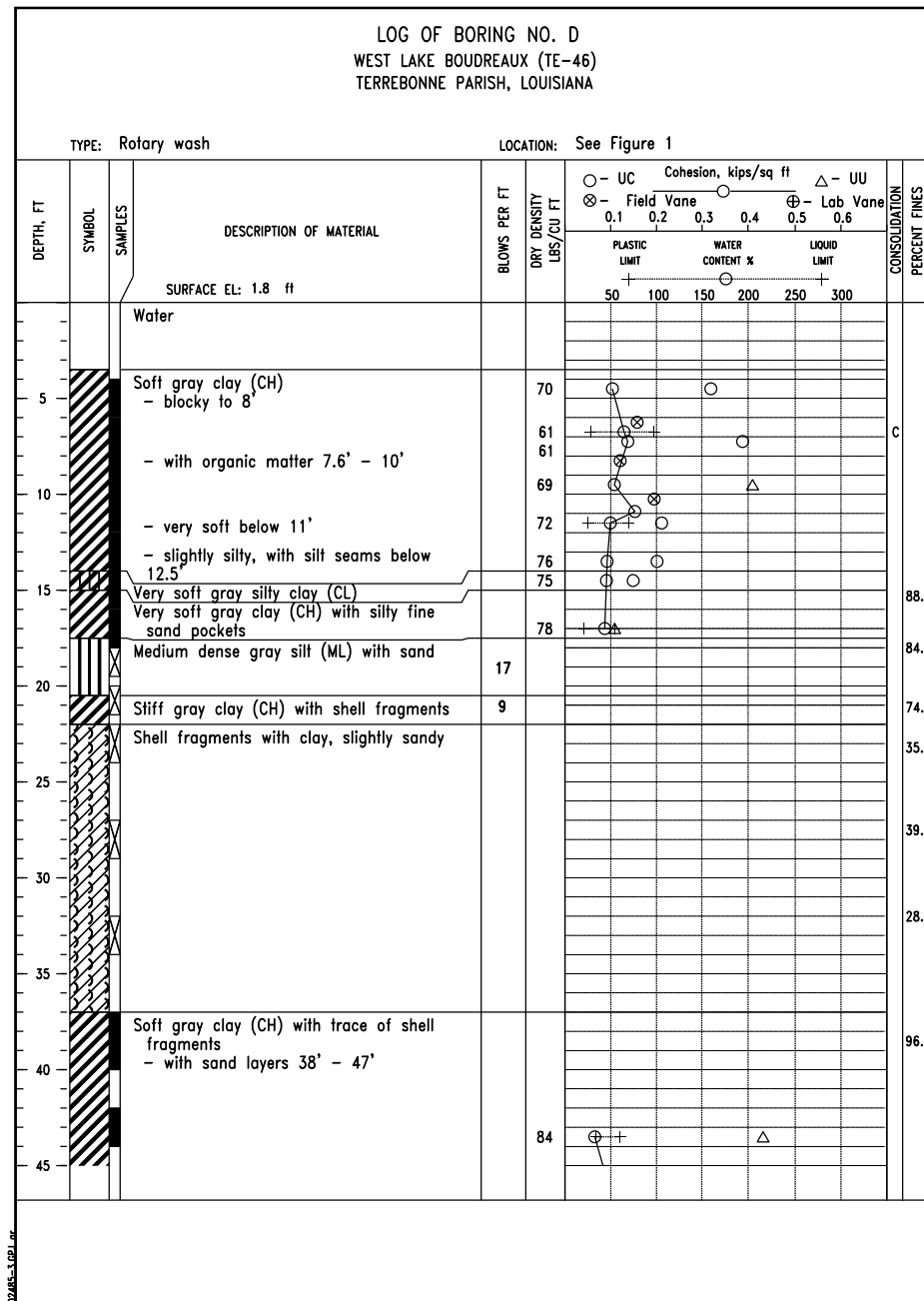


FIGURE A-43

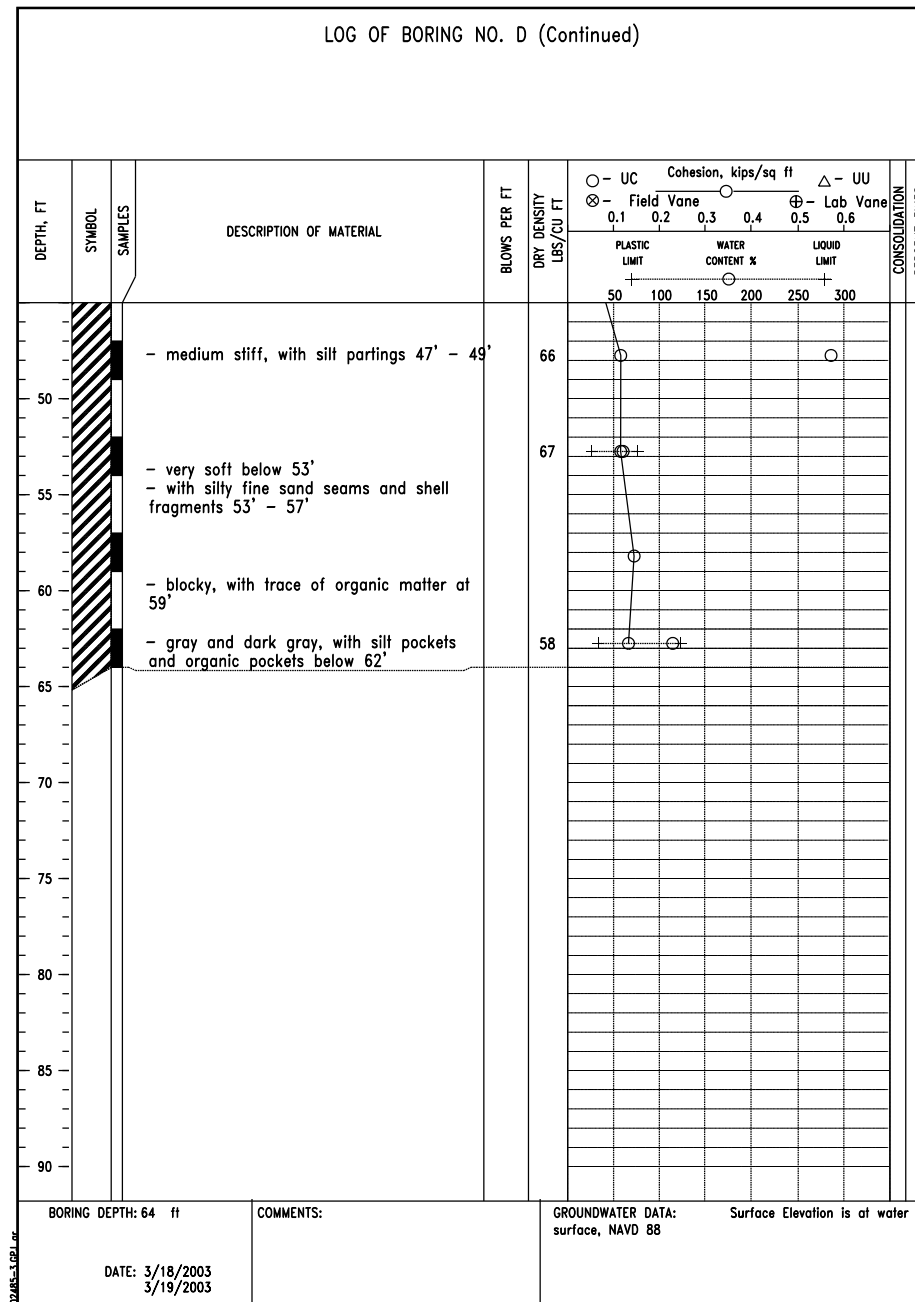


FIGURE A-44

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMILLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOG: D
TE-46 - WEST LAKE BOUDREAUX
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



"AS-BUILT"

FILE NAME
LA-346

DRAWING NAME
LA346064.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE

LOG OF BORING NO. E
WEST LAKE BOUDREAU (TE-46)
TERREBONNE PARISH, LOUISIANA

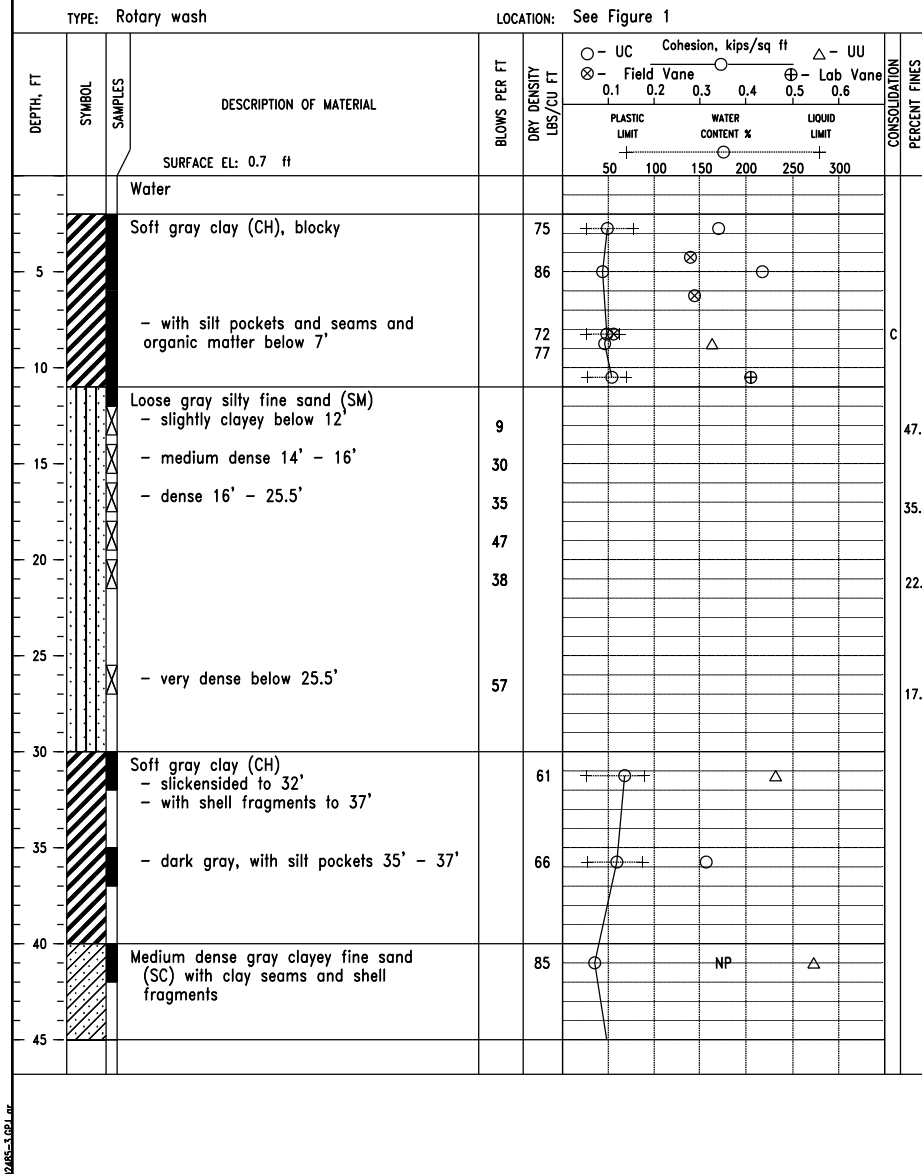


FIGURE A-45

LOG OF BORING NO. E (Continued)

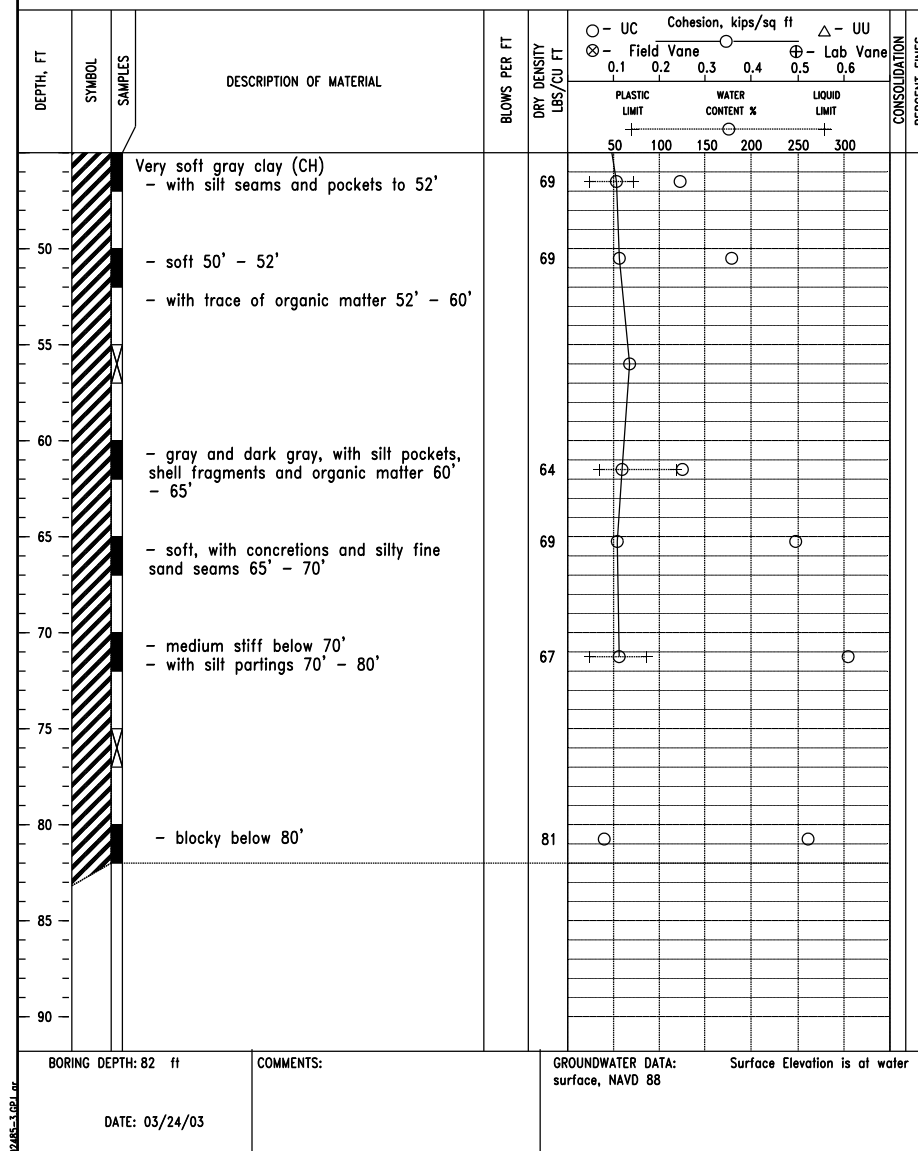


FIGURE A-46

LEGEND

	SM	SILTY SAND, SAND-SILT MIXTURE
	SC	CLAYEY SAND, SAND-CLAY MIXTURE
	ML	SILT WITH LITTLE OR NO PLASTICITY
	ML	CLAYEY SILT, SILT WITH SLIGHT TO MEDIUM PLASTICITY
	ML	SANDY SILT
	CL	SILTY CLAY, LOW TO MEDIUM PLASTICITY
	CL	SANDY CLAY, LOW TO MEDIUM PLASTICITY (30% TO 50% SAND)
	CH	CLAY, HIGH PLASTICITY
	OH	ORGANIC CLAY OF MEDIUM TO HIGH PLASTICITY
	PT	PEAT, HUMUS, SWAMP SOIL
		SHELL FRAGMENTS WITH CLAY

BH #	NORTHING	EASTING	BH DEPTH	MODEL PT.
1	338015.85	3489986.30	33	2974
2	337424.40	3489806.35	34	2975
A	336862.42	3489060.91	84	2987
6	335642.93	3487748.10	33	2979
B	335336.33	3487252.32	63	2988
7	334614.32	3487427.19	34	2980
C	334107.54	3487715.74	64	2989
10	332773.09	3487773.60	34	2983
D	332140.16	3487737.46	64	2990
12	331281.84	3488117.05	33	2985
E	330630.40	3488774.45	82	2991
13	329104.89	3488925.73	33	2986
3	337454.26	3487216.37	31	2976
4	336627.33	3487809.23	32	2977

BH #	NORTHING	EASTING	BH DEPTH	MODEL PT.
5	335948.19	3486506.67	33	2978
8	334757.83	3486489.77	31	2981
9	334190.08	3487170.02	30	2982
11	332329.45	3487151.98	30	2984
14	333487.19	3493811.12	26	3422
15	333600.19	3491811.12	26	3423
16	331616.19	3490981.12	26	3424
17	331690.19	3492985.12	26	3425
18	333600.19	3492478.12	26	3426
19	333600.19	3493145.12	26	3427
20	334100.19	3492811.12	26	3429
21	332600.19	3491811.12	26	3430
22	332487.19	3493811.12	26	3431
23	337716.19	3491081.12	26	1675

BH #	NORTHING	EASTING	BH DEPTH	MODEL PT.
24	334216.19	3491081.12	26	1682
25	330716.19	3491081.12	26	1683
26	338216.19	3492081.12	26	1678
27	335883.19	3492081.12	26	1679
28	333550.19	3492081.12	26	1680
29	331217.19	3492081.12	27	1681
30	337716.19	3493081.12	25	1677
31	334216.19	3493081.12	26	1684
32	330716.19	3493081.12	27	1685
33	331616.19	3491648.12	26	3432
34	331616.19	3492315.12	27	3433
35	332600.19	3492478.12	26	3434
36	332600.19	3493145.12	26	3435

"AS-BUILT"

DESIGNED	R. FAULKNER	DATE	01/05
DRAWN	A.J. GREMLION		01/05
CHECKED	B.A. STICKER		06/06
APPROVED	E.J. GERING III		12/06

SOIL BORING LOG: E
TE-46 - WEST LAKE BOUDREAU
CONSTRUCTION UNIT NO. 1
TERREBONNE PARISH, LOUISIANA



FILE NAME: LA-346
DRAWING NAME: LA346065.dgn

REVISIONS			
NO.	DATE	APPROVED	TITLE