

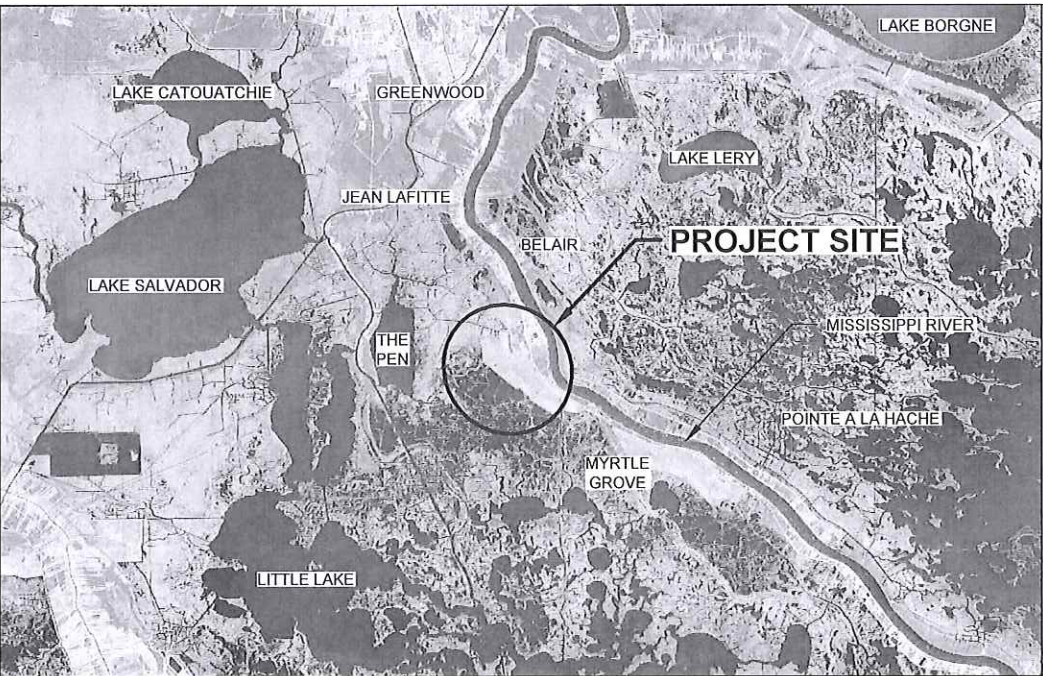
STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY
BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3
BA-164 EARTHEN TERRACES

FINAL BID SET

PLAQUEMINES PARISH, LOUISIANA



STATE OF LOUISIANA INSET MAP



CHIEF - ENGINEERING DIVISION

ENGINEER MANAGER

PROJECT ENGINEER

INDEX OF SHEETS

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LICENSURE CLASSIFICATION REQUIREMENTS
HEAVY CONSTRUCTION OR SPECIALTY: DREDGING

REV.	DATE	DESCRIPTION	BY



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND
RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY

DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES

STATE PROJECT NUMBER: BA-164

APPROVED BY: JONATHAN HIRD, PE

TITLE SHEET

DATE: June 2016

SHEET 1 OF 17

GENERAL NOTES:

1.

ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID 03) U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET).
2.

BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS ARE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER OF 2010.
3.

TERRACE AREA SURVEY DATA SHOWN ON THE PLANS IS BASED ON FIELD SURVEYS PERFORMED FROM FEBRUARY THROUGH MAY 2014 BY T. BAKER SMITH. ANY QUANTITIES SHOWN ARE FOR BIDDING PURPOSES ONLY AND ARE BASED ON THESE SURVEYS. QUANTITIES WERE CALCULATED USING AUTOCAD DIGITAL TERRAIN MODELS.
4.

TWO CPRA SECONDARY BENCHMARKS WERE USED AS HORIZONTAL AND VERTICAL SURVEY CONTROL FOR ALL TERRACE AREA SURVEYS: BA41-SM-01 & BA03C-SM-02. ONE OR MORE OF THESE BENCHMARKS WERE USED FOR DAY-TO-DAY CONTROL BASED ON THEIR PROXIMITY TO THE SURVEY.
- | SECONDARY MONUMENT | ELEVATION | NORTHING | EASTING |
|--------------------|-----------|------------|--------------|
| BA03C-SM-02 | -1.43' | 423,541.04 | 3,701,364.95 |
| BA41-SM-01 | +4.22' | 417,912.61 | 3,673,985.63 |
5.

THE EARTHEN TERRACES MAY BE REVISED BY THE ENGINEER AT THE TIME OF CONSTRUCTION TO REFLECT CHANGES IN FIELD CONDITIONS.
6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING ALONG THE ACCESS CORRIDOR TO THE PROJECT AREA. DREDGING IS NOT ALLOWED FOR ACCESS. THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE SHALL MONITOR THE EQUIPMENT LOCATION DURING CONSTRUCTION.
7.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS 72 HOURS IN ADVANCE OF THE WORK. THE FOLLOWING IS A LIST OF PIPELINE OPERATORS KNOWN TO HAVE PIPELINES IN THE VICINITY. CALL LOUISIANA ONE CALL AT 1-800-272-3020 5 DAYS PRIOR TO EXCAVATION TO LOCATE ANY OTHER PIPELINES OR UTILITY.
8.

THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL EXTENTS OF THE 20" SHELL PIPELINE IN THE VICINITY OF THE PROJECT WORK LIMITS. NO EXCAVATION SHALL OCCUR WITHIN 150' OF ANY PIPELINE.A SHELL REPRESENTATIVE SHALL BE PRESENT WHEN EQUIPMENT IS TO CROSS THE 20" SHELL PIPELINE. THE ONLY CORRIDOR TO BE USED TO CROSS THE SHELL PIPELINE SHALL BE THE SHELL ACCESS ROAD UNLESS OTHERWISE DIRECTED BY THE SHELL REPRESENTATIVE.

SUMMARY OF ESTIMATED QUANTITIES:

BASE PROJECT			
ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ¹
1	MOBILIZATION AND DEMOBILIZATION ²	LUMP SUM	1
2	TERRACING / MECHANICAL DREDGING	LINEAR FEET	9,679
3	CONSTRUCTION SURVEYS	LUMP SUM	1

1.

WHERE THE QUANTITY OF WORK WITH RESPECT TO ANY ITEM IS COVERED BY A UNIT PRICE, SUCH QUANTITIES ARE ESTIMATED QUANTITIES TO BE USED WHEN COMPARING BIDS AND THE RIGHT IS RESERVED BY THE OWNER TO INCREASE/DECREASE SUCH QUANTITIES AS MAY BE NECESSARY TO COMPLETE THE WORK AND/OR REMAIN WITHIN THE FUNDING LIMITS. IN THE EVENT OF MATERIAL UNDERRUNS/OVERRUNS, THE BID UNIT COSTS WILL BE USED TO DETERMINE PAYMENT TO THE CONTRACTOR.
2.

MOBILIZATION AND DEMOBILIZATION SHALL INCLUDE ALL APPROPRIATE COSTS ASSOCIATED WITH CONSTRUCTING ALL FEATURES LISTED IN THE SPECIFICATIONS AND/OR SHOWN IN THE PLANS.
3.

THE LINEAR FEET OF THE EARTHEN TERRACES WAS ESTIMATED FOR CONSTRUCTION USING AERIAL PHOTOGRAPHY, FIELD SURVEYS, AND AUTOCAD. THE OWNER RESERVES THE RIGHT TO REQUEST ADDITIONAL EARTHEN TERRACES BE BUILT FOR CONSTRUCTION AT THE CONTRACTOR'S BID PRICE PER LINEAR FOOT.
4.

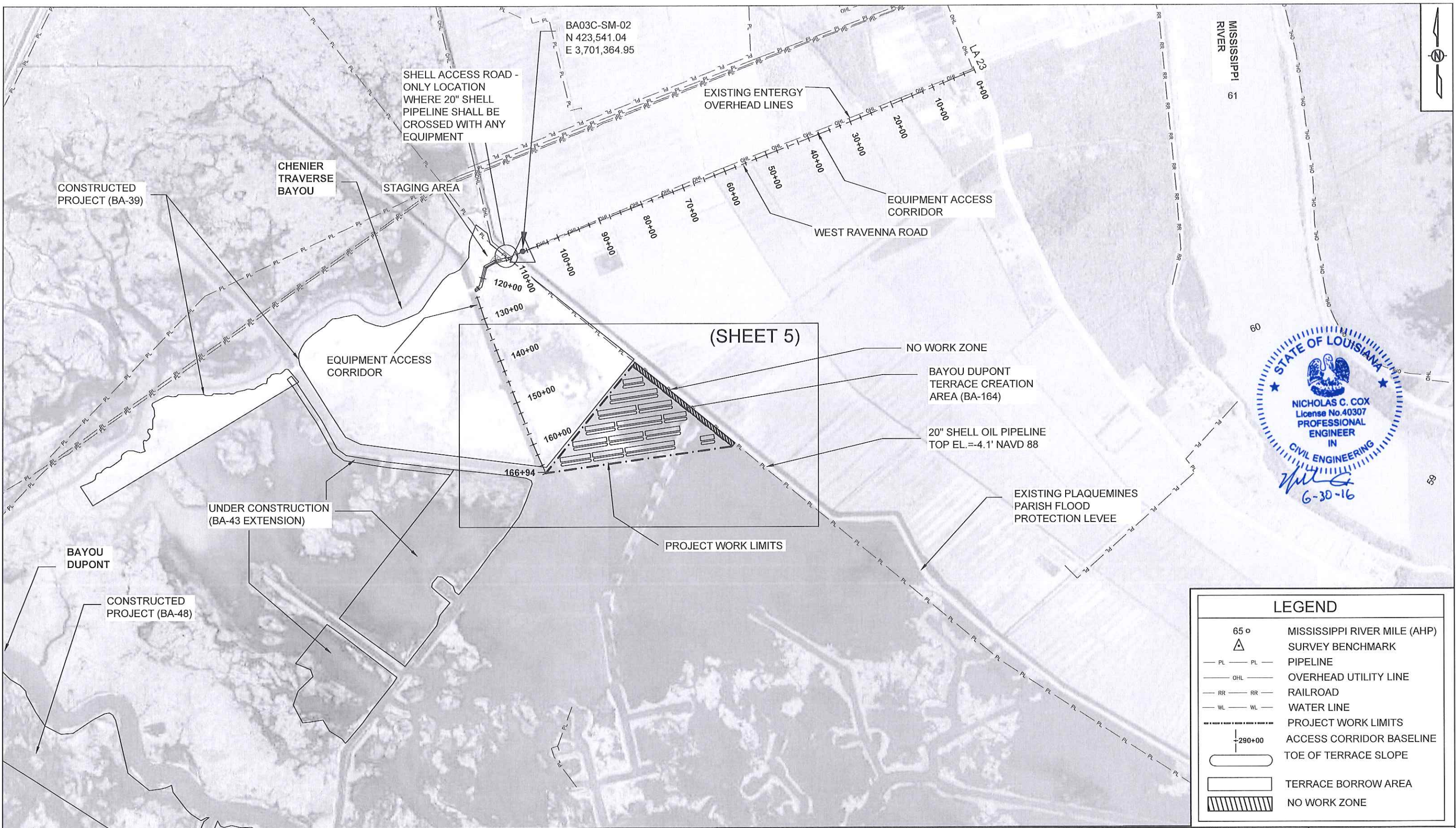
THE CONTRACTOR SHALL OBTAIN PRE-CONSTRUCTION SURVEYS ALONG THE SURVEY TRANSECTS DISPLAYED ON SHEET 7. CONTRACTOR SHALL SUBMIT SURVEY PLAN TO PROJECT ENGINEER FOR APPROVAL PRIOR TO SURVEY.

SHELL OIL PIPELINE COMPANY LP
KEVIN ARCENEAX
PHONE: (985) 790-2868

ENTERGY OVERHEAD TRANSMISSION LINE
CONTACT: JOSEPH GIAMMALVA
PHONE: (504) 219-4207



				MOFFATT & NICHOL ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-336-2075	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES		GENERAL NOTES AND ESTIMATED QUANTITIES
							STATE PROJECT NUMBER: BA-164		
							DATE: June 2016		
REV.	DATE	DESCRIPTION	BY		DRAWN BY: SHAYNA EASLEY	DESIGNED BY: NICHOLAS COX, PE	APPROVED BY: JONATHAN HIRD, PE	SHEET 2 OF 17	



LEGEND	
65 o	MISSISSIPPI RIVER MILE (AHP)
	SURVEY BENCHMARK
— PL — PL —	PIPELINE
— OHL —	OVERHEAD UTILITY LINE
— RR — RR —	RAILROAD
— WL — WL —	WATER LINE
-----	PROJECT WORK LIMITS
	ACCESS CORRIDOR BASELINE
	TOE OF TERRACE SLOPE
	TERRACE BORROW AREA
	NO WORK ZONE

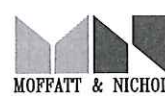
					 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-336-2075	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES		PROJECT LAYOUT
	STATE PROJECT NUMBER: BA-164									
	REV.	DATE	DESCRIPTION	BY		DRAWN BY: SHAYNA EASLEY	DESIGNED BY: NICHOLAS COX, PE	APPROVED BY: JONATHAN HIRD, PE	DATE: June 2016	
									SHEET 3 OF 17	



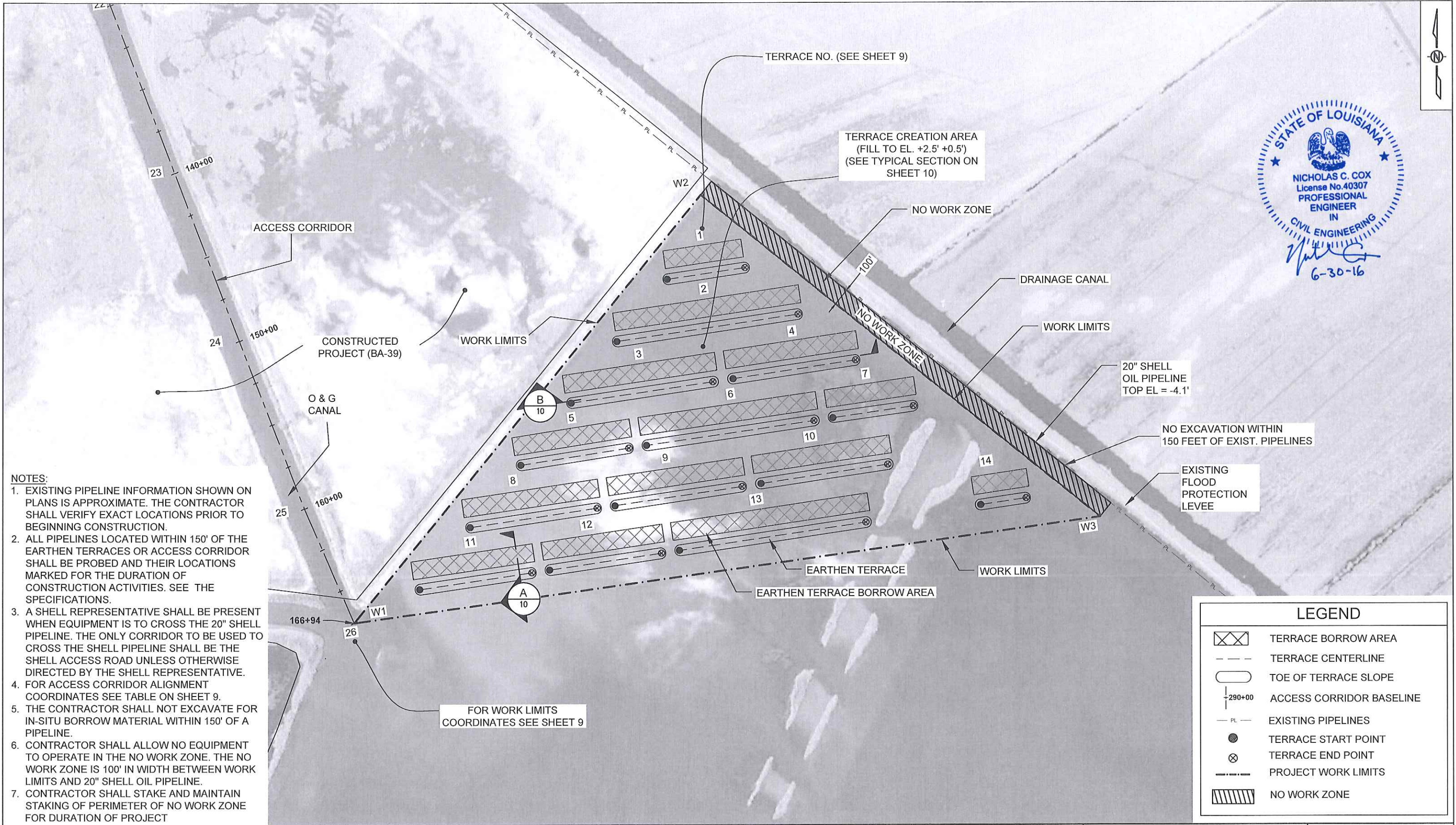
- NOTES:**
1. EXISTING PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY PIPELINE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - AS PER SPECIFICATIONS.
 2. ALL EXISTING PIPELINES LOCATED WITHIN 150' OF THE EARTHEN TERRACES, ACCESS CORRIDOR, OR WORK LIMITS SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR AT NO TIME SHALL EXCAVATE WITHIN 150' OF ANY PIPELINE.
 3. THE CONTRACTOR'S ACCESS CORRIDOR AND CONSTRUCTION LIMITS SHALL BE SUBMITTED IN THE WORK PLAN AS PER THE SPECIFICATIONS.
 4. CONTRACTOR SHALL NOT IMPEDE DRAINAGE THROUGHOUT CONSTRUCTION. ALL DRAINAGE CANALS SHALL BE KEPT CLEAR OF ANY OBSTRUCTION.
 5. CONTRACTOR SHALL STAY ON RAVENNA ROAD FROM STA 0+00 TO STA 112+00. CONTRACTOR SHALL STAY WITHIN LIMITS OF EXISTING BA-39 ACCESS CORRIDOR (60' WIDTH) FROM STA 112+00 TO STA 123+40. CONTRACTOR SHALL STAY BETWEEN THE BANKS OF THE O&G CANAL FROM STA 123+40 TO STA 166+93. CONTRACTOR SHALL AT NO TIME HAVE EQUIPMENT ON THE MARSH OUTSIDE OF THESE LIMITS OR THE PROJECT WORK LIMITS.



REV.	DATE	DESCRIPTION	BY

 **MOFFATT & NICHOL**
ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES	ACCESS CORRIDOR
		STATE PROJECT NUMBER: BA-164	
DRAWN BY: SHAYNA EASLEY	DESIGNED BY: NICHOLAS COX, PE	APPROVED BY: JONATHAN HIRD, PE	SHEET 4 OF 17



- NOTES:
1. EXISTING PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
 2. ALL PIPELINES LOCATED WITHIN 150' OF THE EARTHEN TERRACES OR ACCESS CORRIDOR SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. SEE THE SPECIFICATIONS.
 3. A SHELL REPRESENTATIVE SHALL BE PRESENT WHEN EQUIPMENT IS TO CROSS THE 20" SHELL PIPELINE. THE ONLY CORRIDOR TO BE USED TO CROSS THE SHELL PIPELINE SHALL BE THE SHELL ACCESS ROAD UNLESS OTHERWISE DIRECTED BY THE SHELL REPRESENTATIVE.
 4. FOR ACCESS CORRIDOR ALIGNMENT COORDINATES SEE TABLE ON SHEET 9.
 5. THE CONTRACTOR SHALL NOT EXCAVATE FOR IN-SITU BORROW MATERIAL WITHIN 150' OF A PIPELINE.
 6. CONTRACTOR SHALL ALLOW NO EQUIPMENT TO OPERATE IN THE NO WORK ZONE. THE NO WORK ZONE IS 100' IN WIDTH BETWEEN WORK LIMITS AND 20" SHELL OIL PIPELINE.
 7. CONTRACTOR SHALL STAKE AND MAINTAIN STAKING OF PERIMETER OF NO WORK ZONE FOR DURATION OF PROJECT

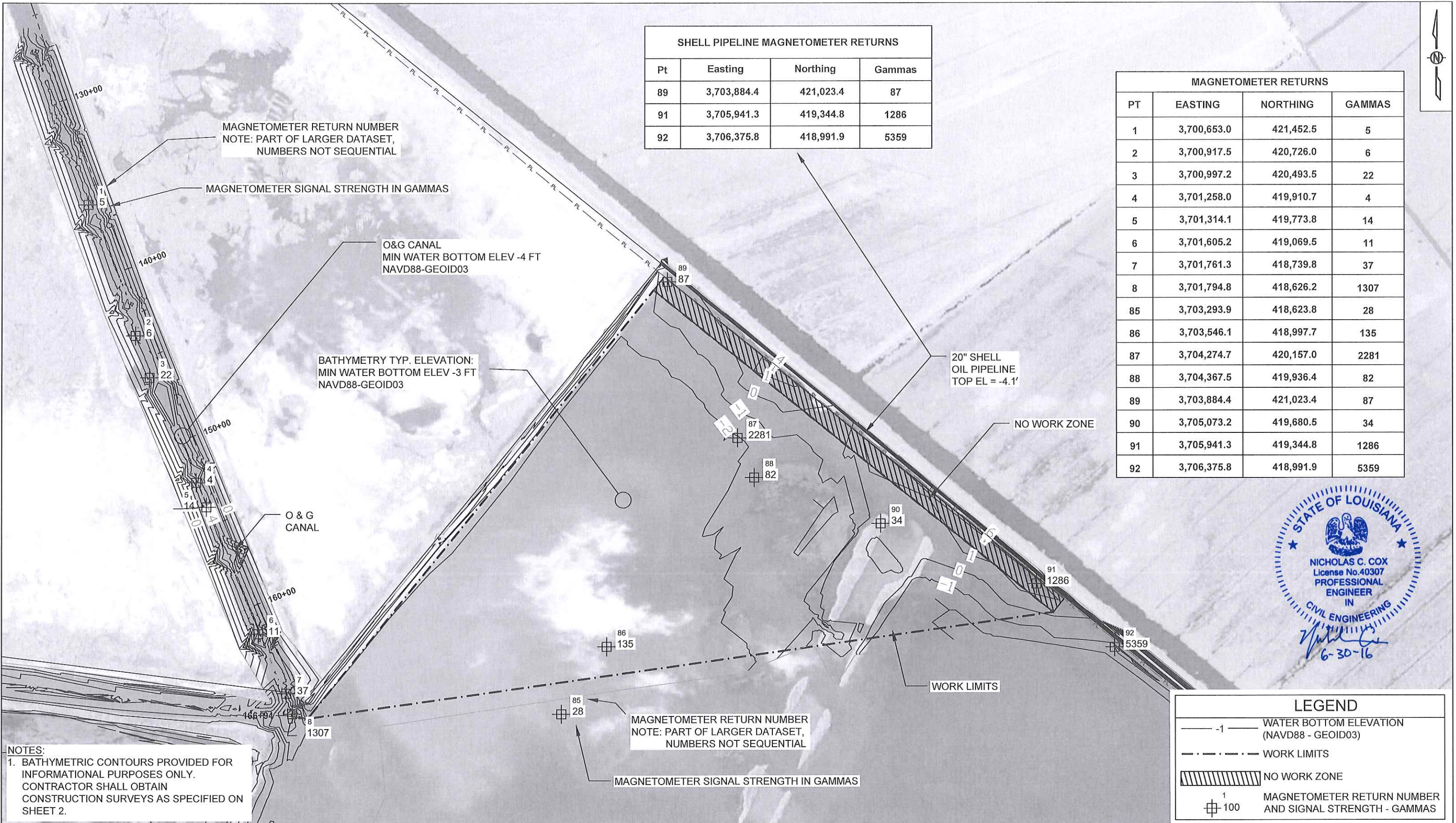
LEGEND	
	TERRACE BORROW AREA
	TERRACE CENTERLINE
	TOE OF TERRACE SLOPE
	ACCESS CORRIDOR BASELINE
	EXISTING PIPELINES
	TERRACE START POINT
	TERRACE END POINT
	PROJECT WORK LIMITS
	NO WORK ZONE



REV.	DATE	DESCRIPTION	BY

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES		TERRACE CREATION AREA LAYOUT
		STATE PROJECT NUMBER: BA-164		
				DATE: June 2016
DRAWN BY: SHAYNA EASLEY	DESIGNED BY: NICHOLAS COX, PE	APPROVED BY: JONATHAN HIRD, PE		SHEET 5 OF 17



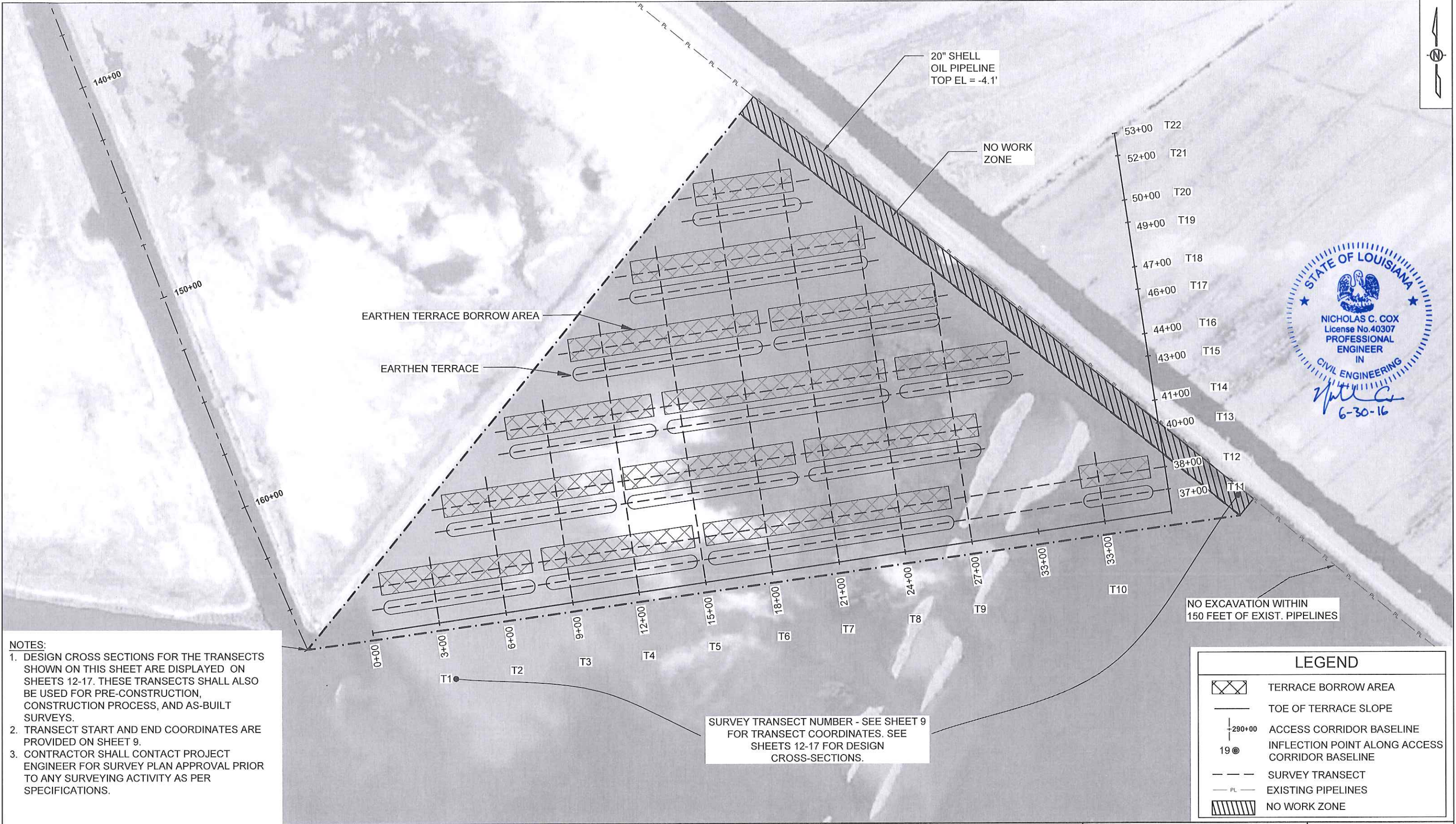
SHELL PIPELINE MAGNETOMETER RETURNS			
Pt	Easting	Northing	Gammas
89	3,703,884.4	421,023.4	87
91	3,705,941.3	419,344.8	1286
92	3,706,375.8	418,991.9	5359

MAGNETOMETER RETURNS			
PT	EASTING	NORTHING	GAMMAS
1	3,700,653.0	421,452.5	5
2	3,700,917.5	420,726.0	6
3	3,700,997.2	420,493.5	22
4	3,701,258.0	419,910.7	4
5	3,701,314.1	419,773.8	14
6	3,701,605.2	419,069.5	11
7	3,701,761.3	418,739.8	37
8	3,701,794.8	418,626.2	1307
85	3,703,293.9	418,623.8	28
86	3,703,546.1	418,997.7	135
87	3,704,274.7	420,157.0	2281
88	3,704,367.5	419,936.4	82
89	3,703,884.4	421,023.4	87
90	3,705,073.2	419,680.5	34
91	3,705,941.3	419,344.8	1286
92	3,706,375.8	418,991.9	5359



NOTES:
1. BATHYMETRIC CONTOURS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL OBTAIN CONSTRUCTION SURVEYS AS SPECIFIED ON SHEET 2.

LEGEND	
	WATER BOTTOM ELEVATION (NAVD88 - GEOID03)
	WORK LIMITS
	NO WORK ZONE
	MAGNETOMETER RETURN NUMBER AND SIGNAL STRENGTH - GAMMAS



STATE OF LOUISIANA
NICHOLAS C. COX
License No. 40307
PROFESSIONAL
ENGINEER
IN
CIVIL ENGINEERING
6-30-16

- NOTES:
1. DESIGN CROSS SECTIONS FOR THE TRANSECTS SHOWN ON THIS SHEET ARE DISPLAYED ON SHEETS 12-17. THESE TRANSECTS SHALL ALSO BE USED FOR PRE-CONSTRUCTION, CONSTRUCTION PROCESS, AND AS-BUILT SURVEYS.
 2. TRANSECT START AND END COORDINATES ARE PROVIDED ON SHEET 9.
 3. CONTRACTOR SHALL CONTACT PROJECT ENGINEER FOR SURVEY PLAN APPROVAL PRIOR TO ANY SURVEYING ACTIVITY AS PER SPECIFICATIONS.

SURVEY TRANSECT NUMBER - SEE SHEET 9 FOR TRANSECT COORDINATES. SEE SHEETS 12-17 FOR DESIGN CROSS-SECTIONS.

LEGEND	
	TERRACE BORROW AREA
	TOE OF TERRACE SLOPE
	ACCESS CORRIDOR BASELINE
	INFLECTION POINT ALONG ACCESS CORRIDOR BASELINE
	SURVEY TRANSECT
	EXISTING PIPELINES
	NO WORK ZONE

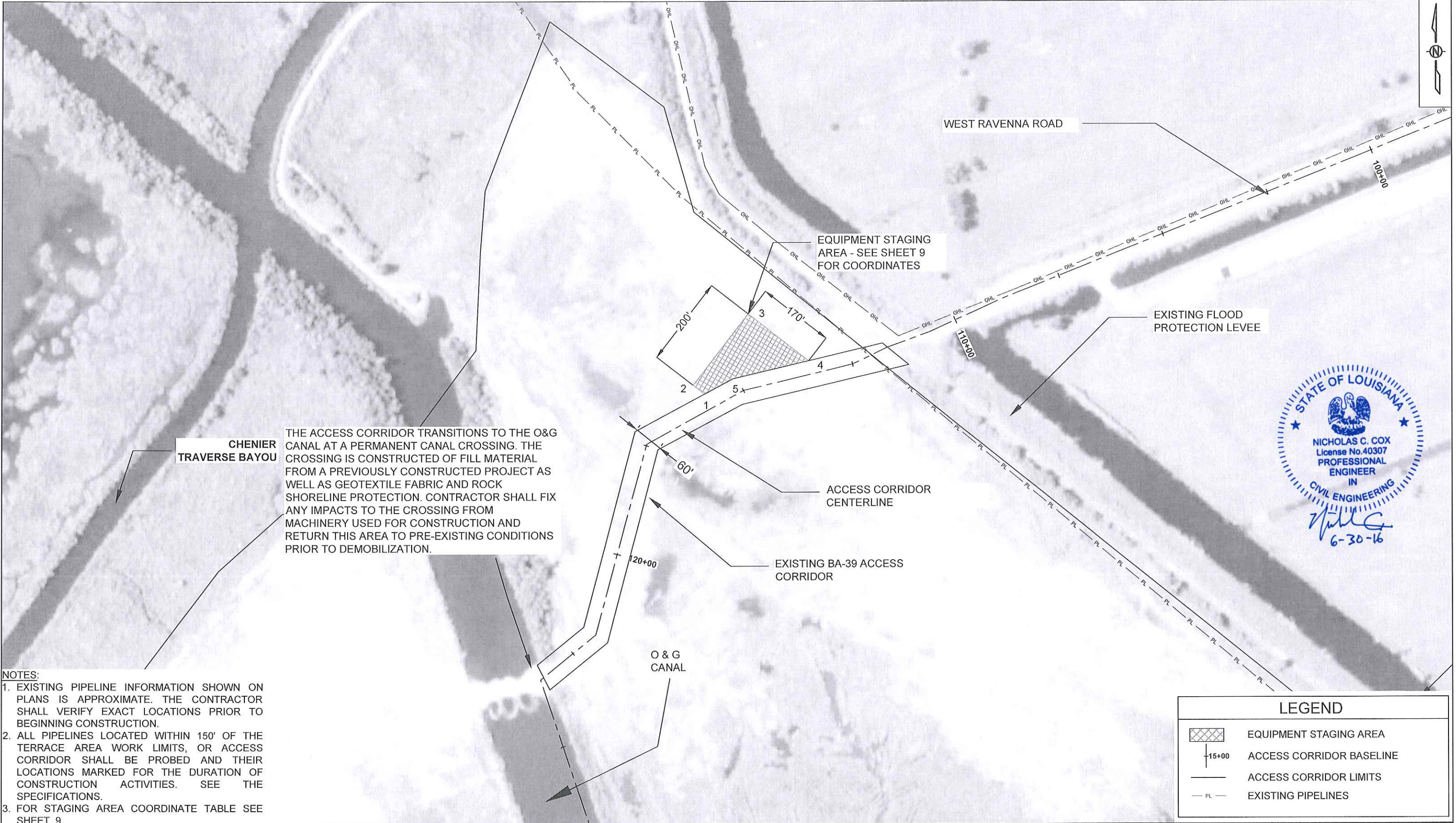


REV.	DATE	DESCRIPTION	BY

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

MOFFATT & NICHOL

COASTAL PROTECTION AND RESTORATION AUTHORITY		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES		CONSTRUCTION SURVEY TRANSECTS	
450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		STATE PROJECT NUMBER: BA-164		DATE: June 2016	
DRAWN BY: SHAYNA EASLEY		DESIGNED BY: NICHOLAS COX, PE		APPROVED BY: JONATHAN HIRD, PE	
				SHEET 7 OF 17	



- NOTES:
1. EXISTING PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
 2. ALL PIPELINES LOCATED WITHIN 150' OF THE TERRACE AREA WORK LIMITS, OR ACCESS CORRIDOR SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. SEE THE SPECIFICATIONS.
 3. FOR STAGING AREA COORDINATE TABLE SEE SHEET 9.

REV.	DATE	DESCRIPTION	BY



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND
RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY

DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES

STATE PROJECT NUMBER: BA-164

APPROVED BY: JONATHAN HIIRD, PE

STAGING AREA

DATE: June 2016

SHEET 8 OF 17

ACCESS CORRIDOR		
PT	EASTING	NORTHING
1	3,711,445.6	427,523.7
2	3,710,521.3	427,141.9
3	3,709,597.1	426,760.2
4	3,708,672.5	426,379.3
5	3,707,740.9	426,015.7
6	3,706,809.1	425,652.0
7	3,705,877.8	425,288.5
8	3,704,946.2	424,925.1
9	3,704,014.5	424,561.7
10	3,703,083.6	424,196.4
11	3,702,154.5	423,826.6
12	3,701,334.7	423,500.7
13	3,701,227.6	423,452.1
14	3,701,170.4	423,426.0
15	3,701,074.9	423,391.6
16	3,700,997.8	423,354.5
17	3,700,754.9	423,296.6
18	3,700,538.4	423,177.0
19	3,700,472.8	422,933.0
20	3,700,424.6	422,753.9
21	3,700,302.1	422,654.1
22	3,700,512.1	422,031.4
23	3,700,874.8	421,099.5
24	3,701,237.4	420,167.6
25	3,701,600.0	419,235.6
26	3,701,879.4	418,600.4

TERRACE CENTERLINES				
TERRACE NO.	START		END	
	EASTING	NORTHING	EASTING	NORTHING
1	3,703,621.9	420,509.0	3,704,054.8	420,573.6
2	3,703,341.3	420,164.0	3,704,351.0	420,314.6
3	3,703,085.6	419,822.8	3,703,876.4	419,940.4
4	3,703,988.5	419,957.2	3,704,672.0	420,059.1
5	3,702,804.7	419,477.5	3,703,407.8	419,572.1
6	3,703,506.2	419,587.0	3,704,440.1	419,723.0
7	3,704,545.1	419,738.5	3,704,992.7	419,803.8
8	3,702,523.0	419,132.1	3,703,230.9	419,238.2
9	3,703,329.9	419,252.3	3,704,037.8	419,357.4
10	3,704,142.6	419,373.5	3,704,851.0	419,479.2
11	3,702,242.3	418,786.7	3,702,866.5	418,879.7
12	3,702,965.7	418,894.5	3,703,590.1	418,987.7
13	3,703,689.0	419,002.6	3,704,729.1	419,157.7
14	3,705,363.6	419,252.3	3,705,621.9	419,290.9

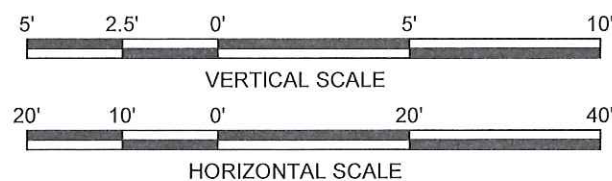
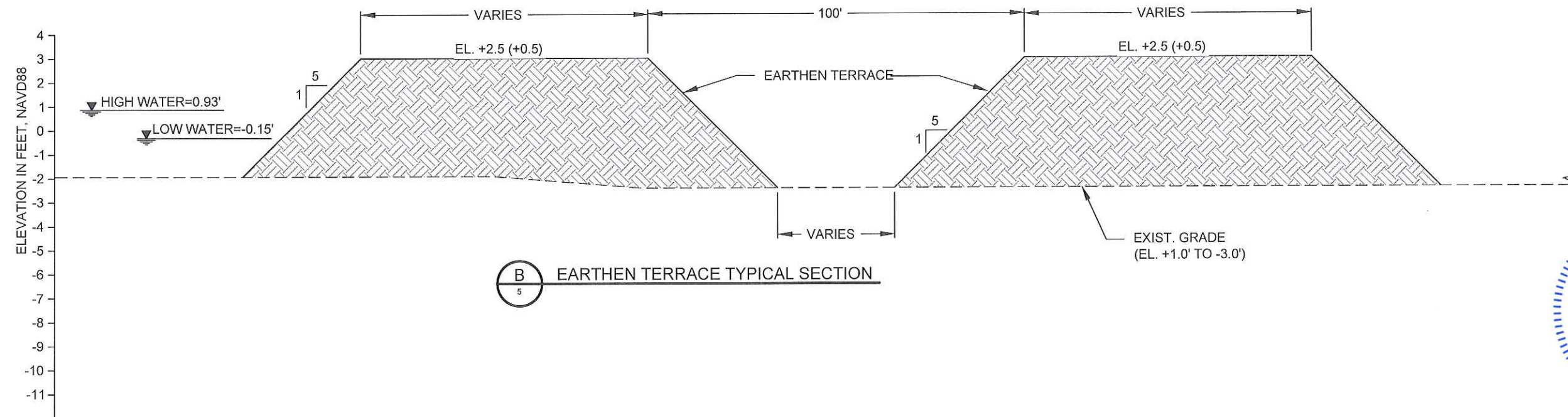
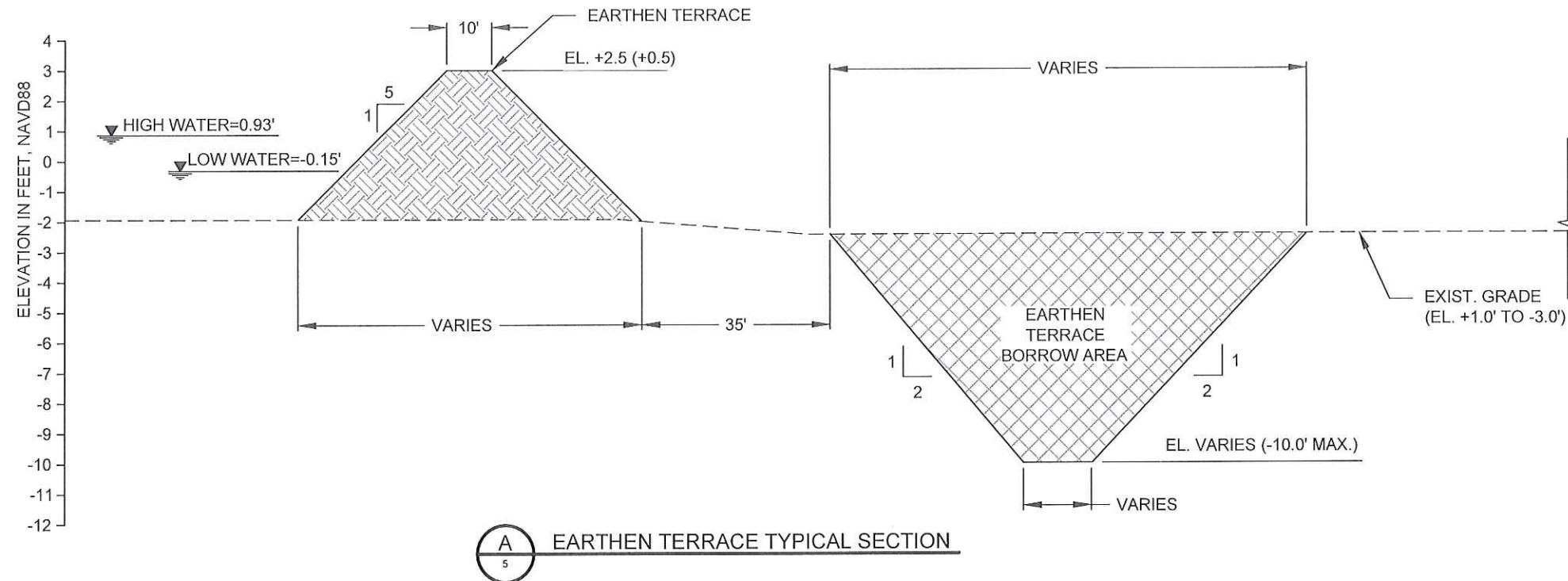
STAGING AREA		
PT	EASTING	NORTHING
1	3,700,899.6	423,362.1
2	3,700,731.0	423,322.4
3	3,700,667.6	423,288.5
4	3,700,642.4	423,308.0
5	3,700,764.6	423,466.3

WORK LIMITS		
PT	EASTING	NORTHING
W1	3,701,879.4	418,600.4
W2	3,703,808.2	420,977.7
W3	3,706,034.2	419,186.7

SURVEY TRANSECT COORDINATES				
	START		END	
	EASTING	NORTHING	EASTING	NORTHING
T1	3,702,462.6	418,738.5	3,702,422.0	419,011.0
T2	3,702,759.3	418,782.9	3,702,672.3	419,366.4
T3	3,703,056.0	418,827.2	3,702,924.6	419,708.1
T4	3,703,352.8	418,871.5	3,703,177.2	420,048.5
T5	3,703,649.5	418,915.7	3,703,429.6	420,389.5
T6	3,703,946.2	418,960.0	3,703,682.1	420,730.2
T7	3,704,242.9	419,004.3	3,703,978.8	420,774.7
T8	3,704,539.6	419,048.5	3,704,319.8	420,522.2
T9	3,704,836.3	419,092.8	3,704,660.8	420,269.8
T10	3,705,429.8	419,181.3	3,705,387.0	419,468.2
T11	3,702,168.2	418,775.4	3,705,696.1	419,302.2
T12	3,702,169.8	418,876.7	3,705,687.8	419,402.0
T13	3,702,448.9	419,120.8	3,704,895.7	419,486.0
T14	3,702,434.1	419,219.7	3,704,880.9	419,584.9
T15	3,702,730.6	419,466.2	3,705,067.1	419,815.1
T16	3,702,715.8	419,565.1	3,705,052.4	419,914.0
T17	3,703,012.4	419,811.5	3,704,746.6	420,070.5
T18	3,702,997.6	419,910.4	3,704,731.9	420,169.4
T19	3,703,267.1	420,152.9	3,704,425.2	420,325.9
T20	3,703,252.3	420,251.8	3,704,410.4	420,424.8
T21	3,703,548.7	420,498.0	3,704,129.0	420,585.0
T22	3,703,533.9	420,596.9	3,704,114.2	420,683.9



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REV.	DATE	DESCRIPTION	BY



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY

DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES

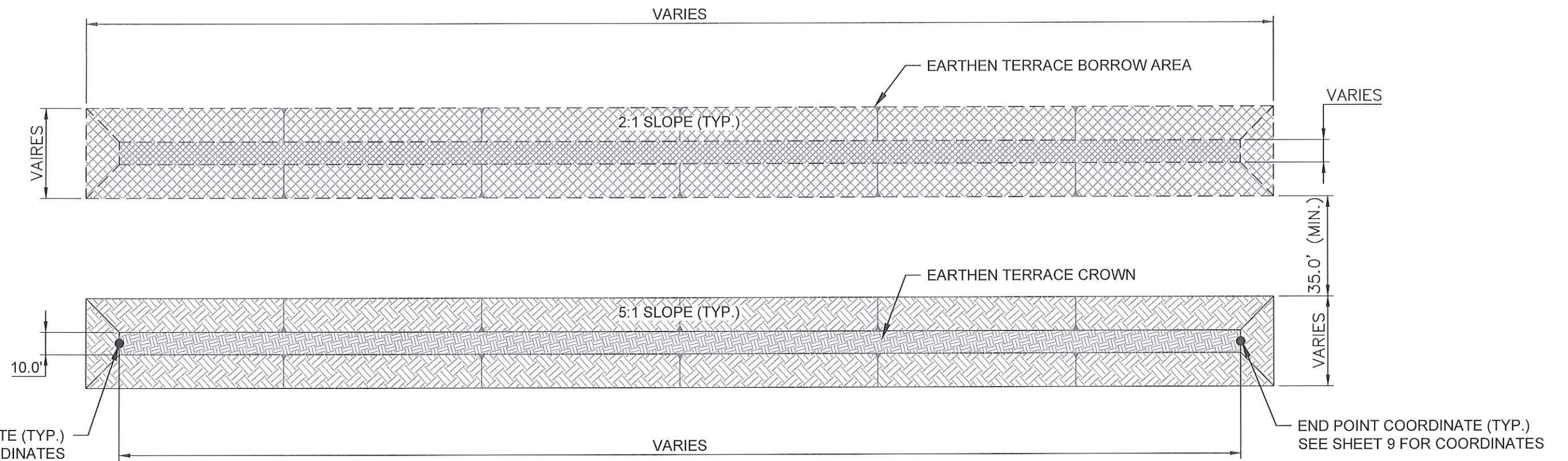
STATE PROJECT NUMBER: BA-164

APPROVED BY: JONATHAN HIRD, PE

EARTHEN TERRACE
TYPICAL SECTIONS

DATE: June 2016

SHEET 10 OF 17



B TYPICAL EARTHEN TERRACE DETAIL
PLAN VIEW



REV.	DATE	DESCRIPTION	BY



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

**COASTAL PROTECTION AND
RESTORATION AUTHORITY**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY

DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES

STATE PROJECT NUMBER: BA-164

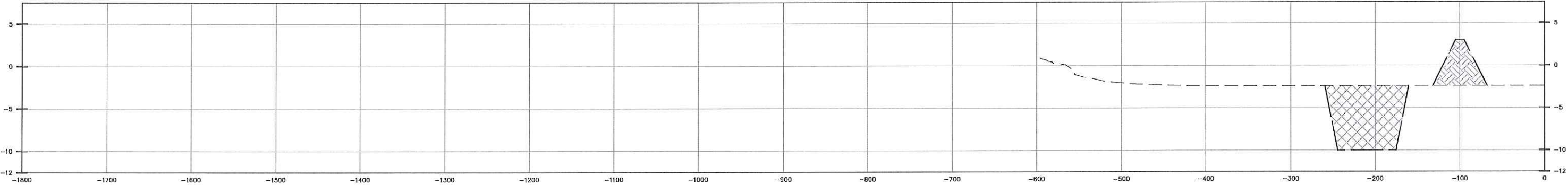
APPROVED BY: JONATHAN HIRD, PE

EARTHEN TERRACE
TYPICAL DETAIL

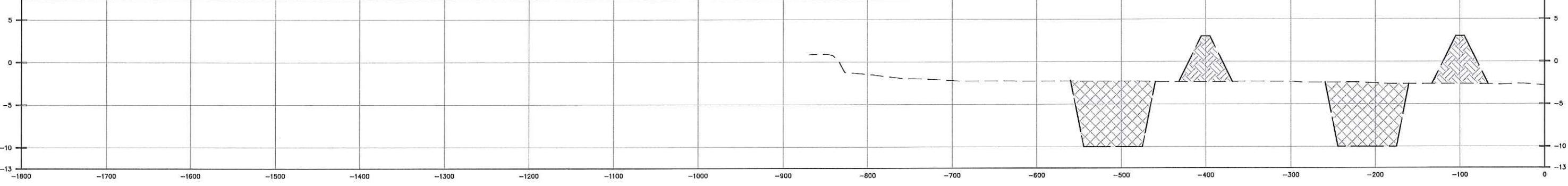
DATE: June 2016

SHEET 11 OF 17

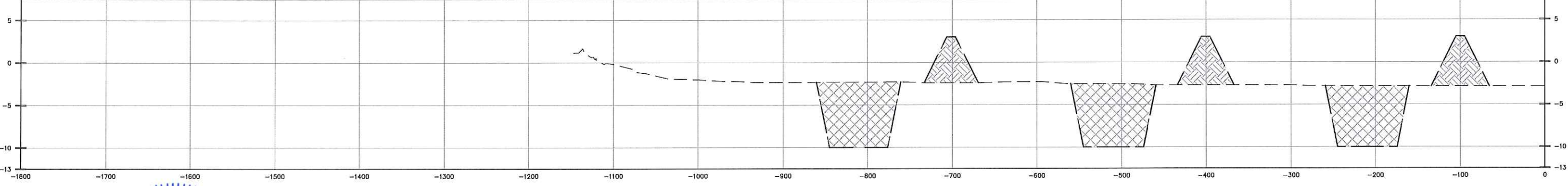
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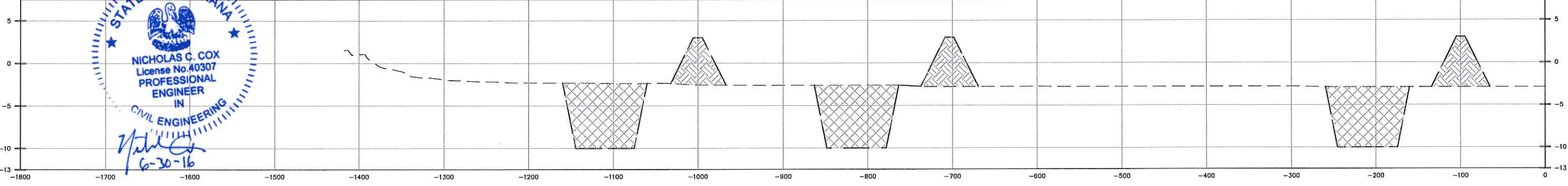
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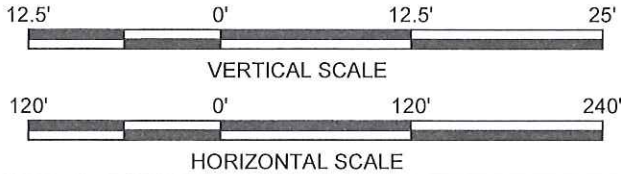
TRANSECT T3: 9+00



TRANSECT T4: 12+00



STATE OF LOUISIANA
NICHOLAS C. COX
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ENGINEER
IN
CIVIL ENGINEERING
6-30-16



REV.	DATE	DESCRIPTION	BY

MOFFATT & NICHOL
ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND
RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES
STATE PROJECT NUMBER: BA-164

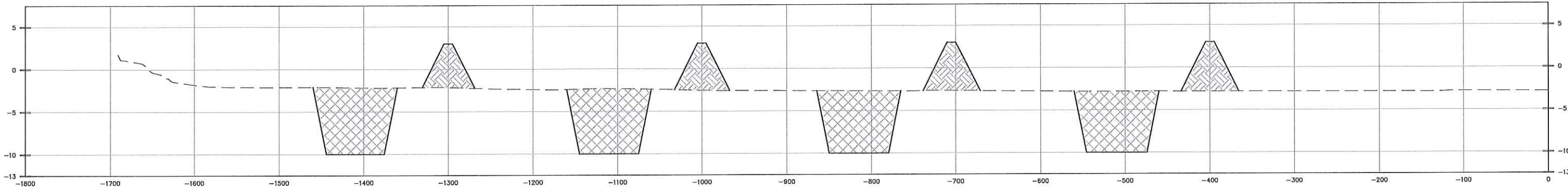
APPROVED BY: JONATHAN HIRD, PE

EARTHEN TERRACE
- CROSS SECTIONS
SHEET 1 OF 6

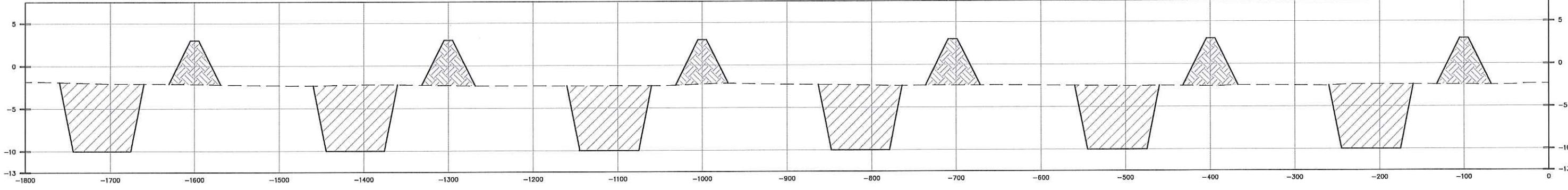
DATE: June 2016

SHEET 12 OF 17

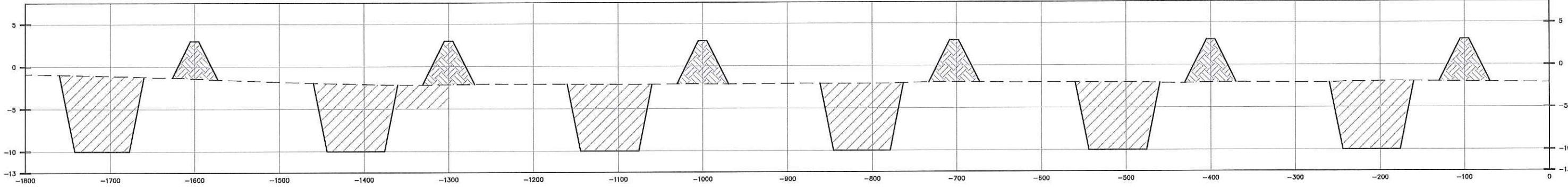
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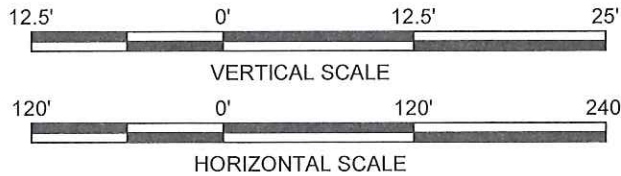
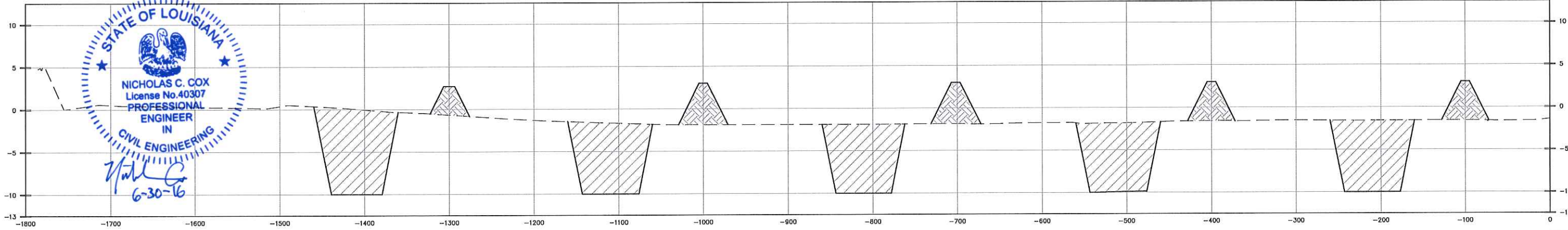
TRANSECT T6: 18+00



TRANSECT T7: 21+00



TRANSECT T8: 24+00



REV.	DATE	DESCRIPTION	BY



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

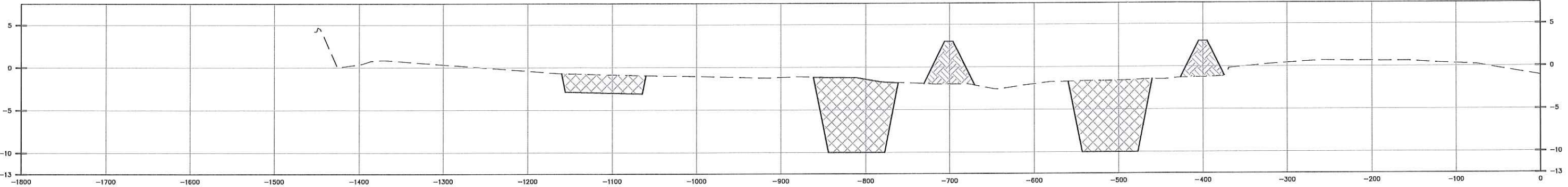
COASTAL PROTECTION AND
RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY DESIGNED BY: NICHOLAS COX, PE

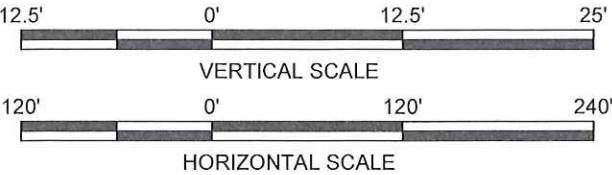
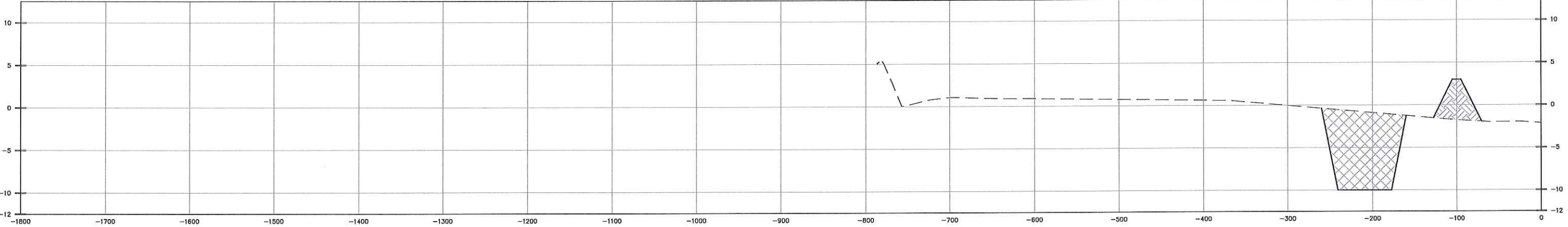
BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES
STATE PROJECT NUMBER: BA-164
APPROVED BY: JONATHAN HIRD, PE

EARTHEN TERRACE
- CROSS SECTIONS
SHEET 2 OF 6
DATE: June 2016
SHEET 13 OF 17

TRANSECT T9: 27+00



TRANSECT T10: 33+00



REV.	DATE	DESCRIPTION	BY

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ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
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COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES
STATE PROJECT NUMBER: BA-164

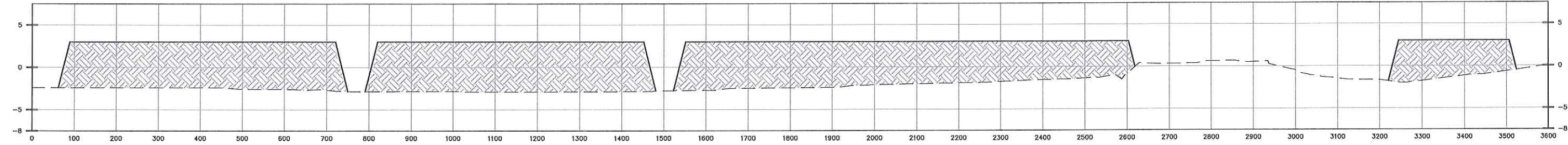
APPROVED BY: JONATHAN HIRD, PE

EARTHEN TERRACE
- CROSS SECTIONS
SHEET 3 OF 6

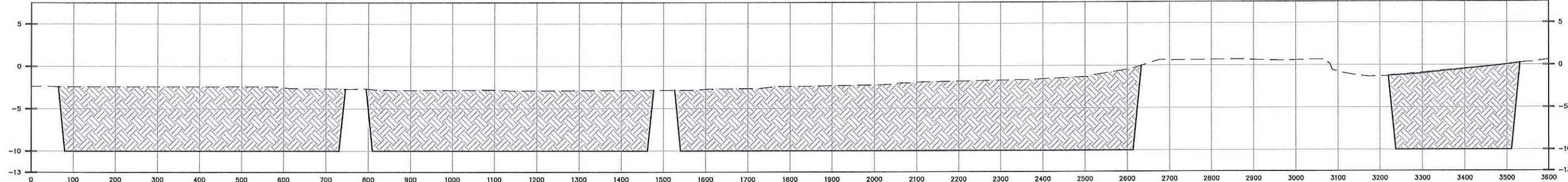
DATE: June 2016

SHEET 14 OF 17

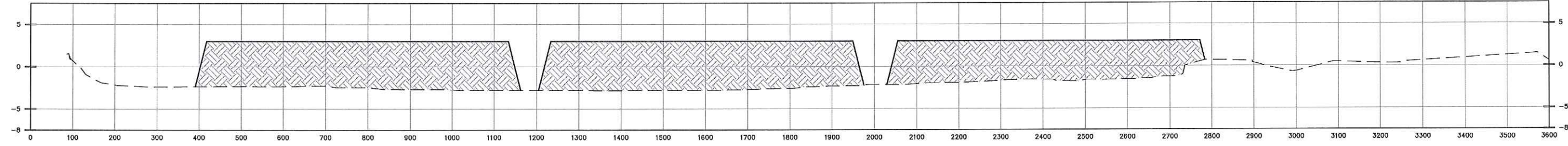
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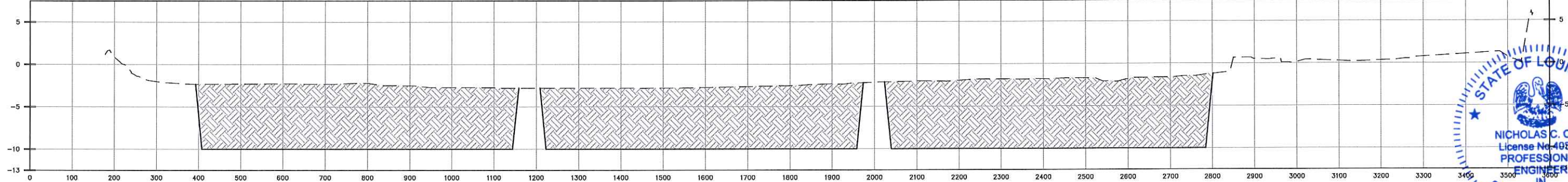
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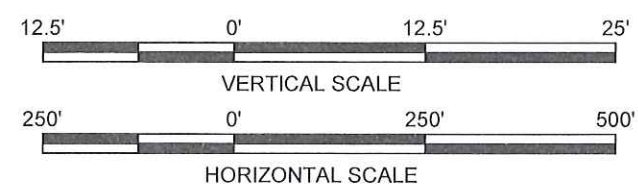
TRANSECT T13: 40+00



TRANSECT T14: 41+00



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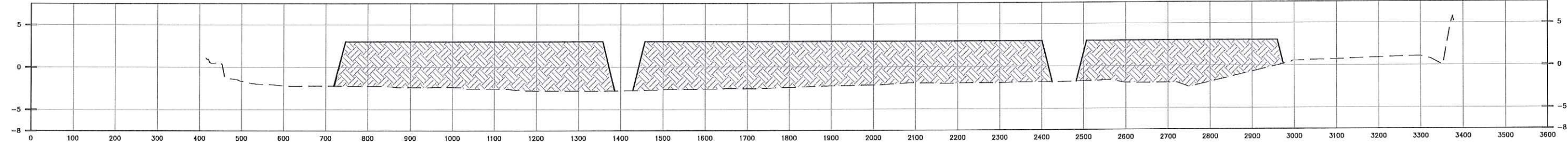
REV.	DATE	DESCRIPTION	BY

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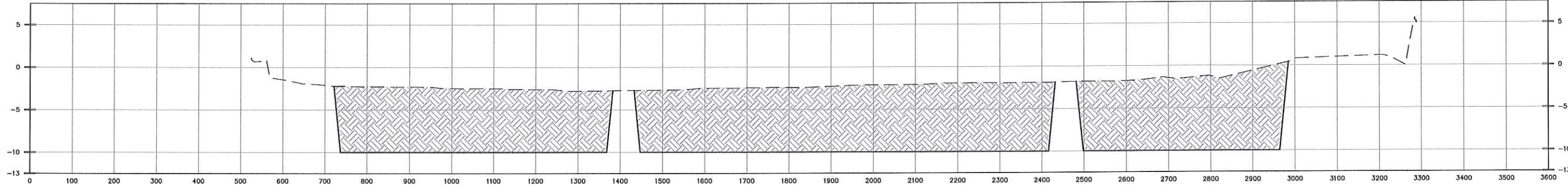
ONE AMERICAN PLACE
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BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES		EARTHEN TERRACE - CROSS SECTIONS SHEET 4 OF 6
		STATE PROJECT NUMBER: BA-164		
				DATE: June 2016
DRAWN BY: SHAYNA EASLEY	DESIGNED BY: NICHOLAS COX, PE	APPROVED BY: JONATHAN HIRD, PE		SHEET 15 OF 17

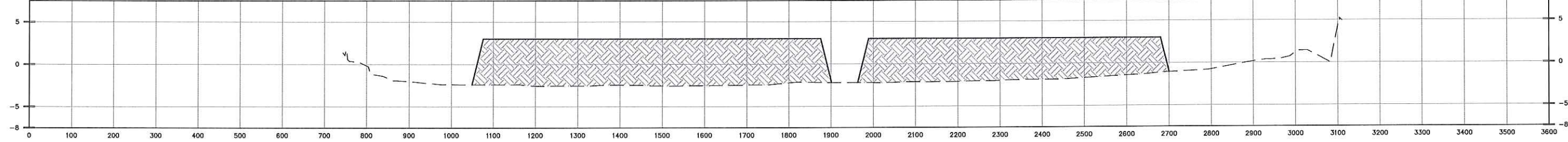
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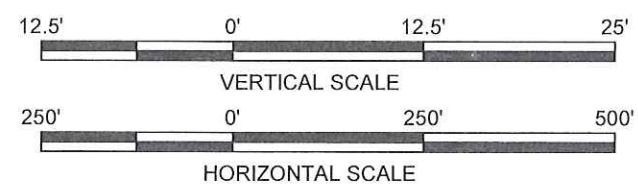
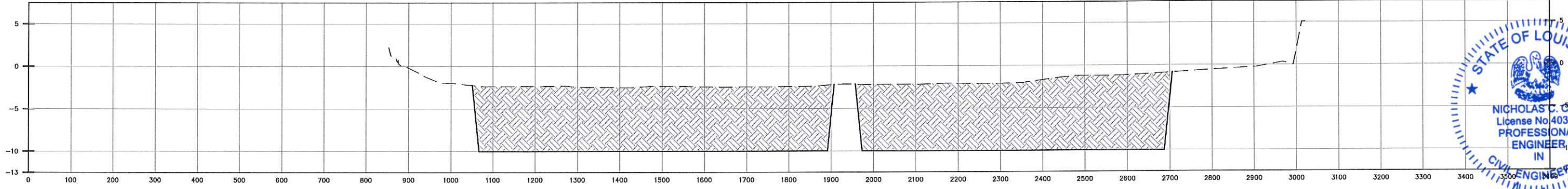
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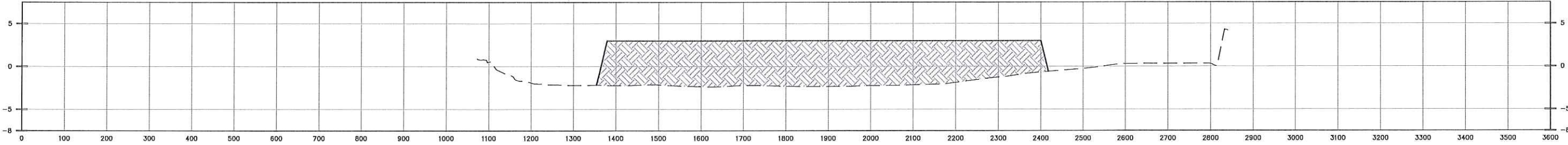


REV.	DATE	DESCRIPTION	BY

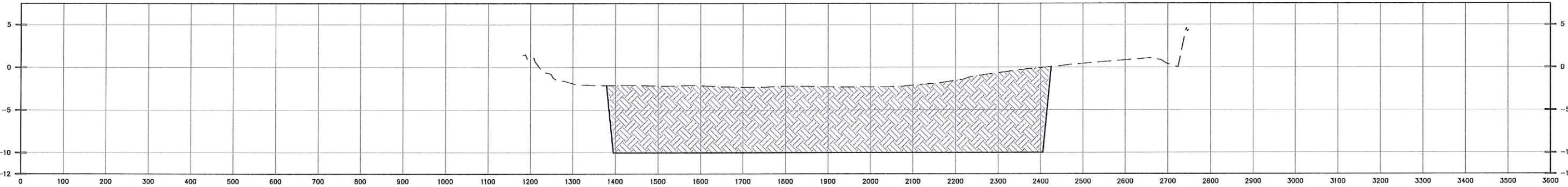
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301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		BAYOU DUPONT SEDIMENT DELIVERY MARSH CREATION #3 - EARTHEN TERRACES	EARTHEN TERRACE - CROSS SECTIONS SHEET 5 OF 6
DRAWN BY: SHAYNA EASLEY		DESIGNED BY: NICHOLAS COX, PE	DATE: June 2016
APPROVED BY: JONATHAN HIRD, PE		STATE PROJECT NUMBER: BA-164	SHEET 16 OF 17

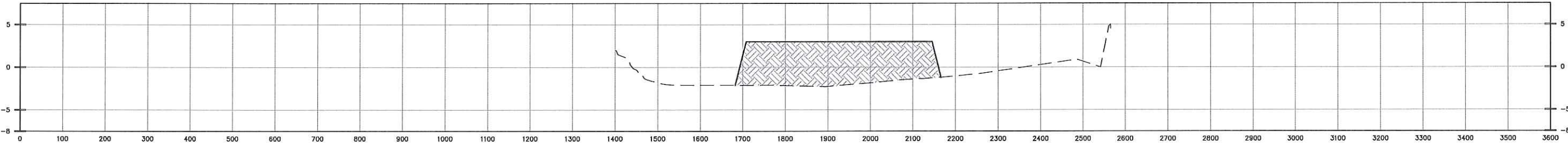
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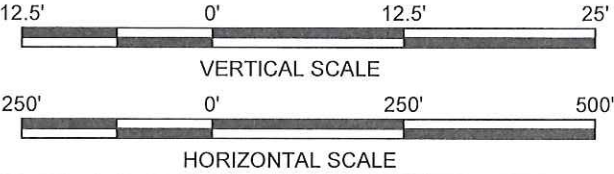
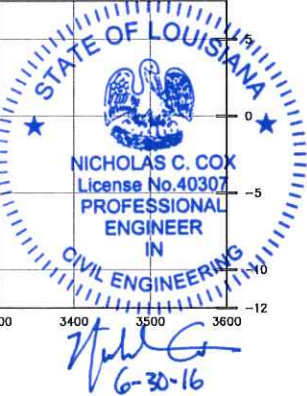
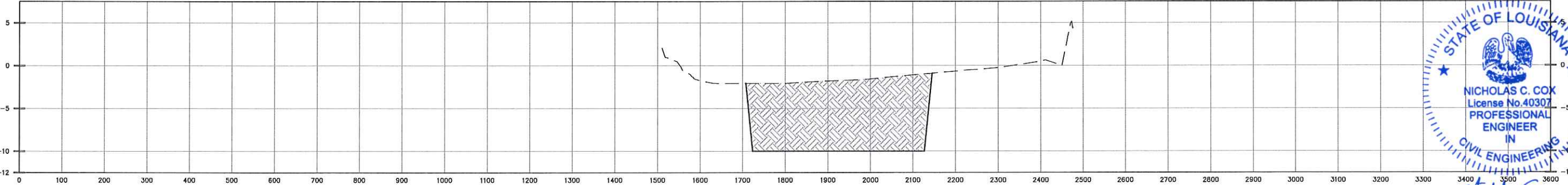
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TRANSECT T21: 52+00



TRANSECT T22: 53+00



REV.	DATE	DESCRIPTION	BY



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-336-2075

COASTAL PROTECTION AND
RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAYNA EASLEY DESIGNED BY: NICHOLAS COX, PE

BAYOU DUPONT SEDIMENT DELIVERY
MARSH CREATION #3 - EARTHEN TERRACES
STATE PROJECT NUMBER: BA-164

APPROVED BY: JONATHAN HIRD, PE

EARTHEN TERRACE
- CROSS SECTIONS
SHEET 6 OF 6

DATE: June 2016

SHEET 17 OF 17