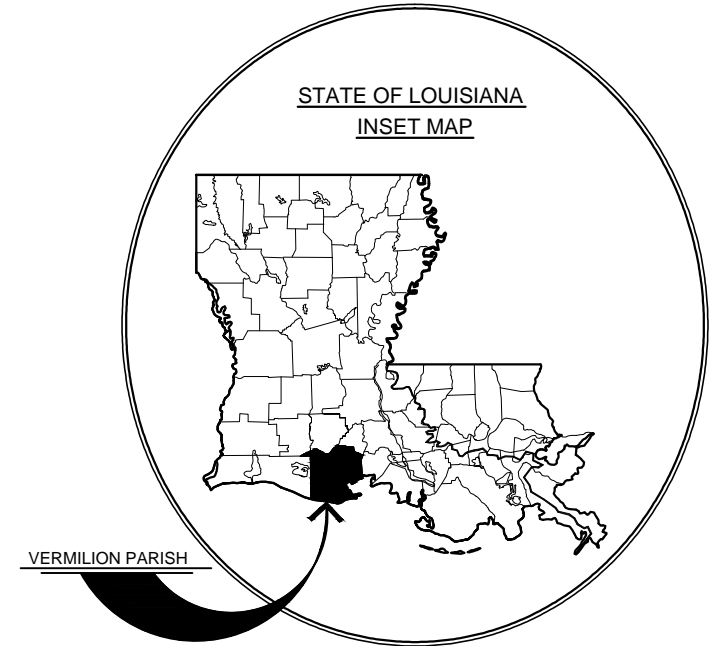
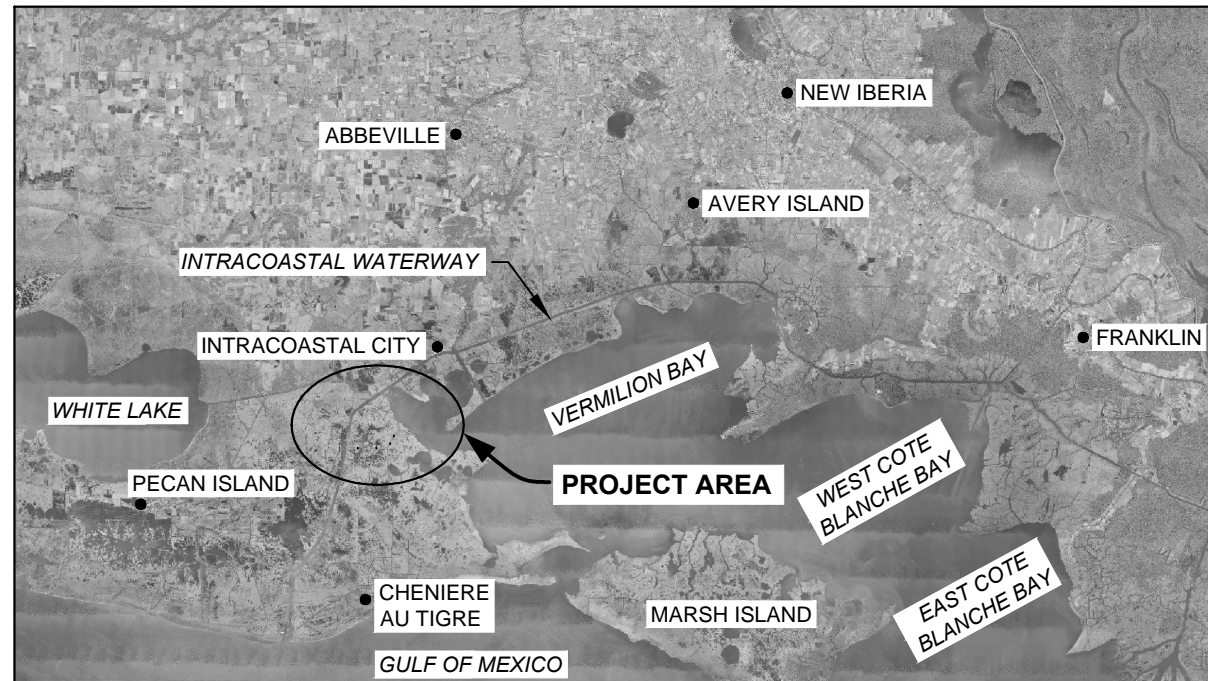
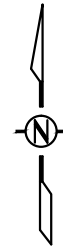


STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

COLE'S BAYOU
MARSH RESTORATION
TV-63
VERMILION PARISH

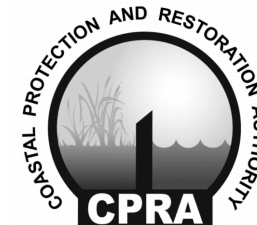
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5	MARSH CREATION AREAS 1 & 2 PLAN VIEW
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PRELIMINARY

DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.



CHIEF, ENGINEERING DIVISION

ENGINEER MANAGER

ENGINEER SUPERVISOR

PROJECT ENGINEER

LICENSURE CLASSIFICATION REQUIREMENTS

MAJOR CLASSIFICATION: HEAVY CONSTRUCTION
SUBCLASSIFICATION: DREDGING

				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		TITLE SHEET
						STATE PROJECT NUMBER: TV-63		
				DRAWN BY: K. CANTU		FEDERAL PROJECT NUMBER: TV-63		SHEET 1 OF 46
				DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.		
REV.	DATE	DESCRIPTION	BY					

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING MARSH OR VEGETATED WETLANDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE CONTRACTOR'S LOCATION DURING CONSTRUCTION.
3. PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS BINDING AS IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS, WILL BE ISSUED BY THE ENGINEER.
4. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
5. THE MARSH CREATION AREAS, BORROW AREAS, CONTAINMENT DIKES, AND WATER CONTROL STRUCTURES MAY BE REVISED BY THE ENGINEER THROUGHOUT THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS.
6. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE DREDGE PIPELINE ALIGNMENT, BORROW AREAS, WATER CONTROL STRUCTURES, ACCESS CHANNELS, AND MARSH CREATION AREAS PRIOR TO EXCAVATION. DRAWINGS SHOWING THE TRACK LINES, ANY MAGNETOMETER HITS, COORDINATES, AMPLITUDE, SIGNATURE TYPE, AND SIGNATURE WIDTH OF ALL MAGNETOMETER HITS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO EXCAVATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL HYDRAULICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE MARSH CREATION AREAS.
8. BACKGROUND IMAGERY WAS TAKEN IN 2012.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE WORK. PIPELINES LOCATED WITHIN 150' OF THE WORK SHALL BE MARKED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. CALL LOUISIANA ONE CALL AT 1-800-272-3020 5 DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.

ACADIAN PIPELINE COMPANY
 CONTACT: LEONARD THURMOND (ENTERPRISE PRODUCTS)
 PHONE: (281) 887-3322

2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS LISTED IN THE SPECIFICATIONS AT LEAST FIVE (5) WORKING DAYS PROIR TO PERFORMING THE WORK.

DESIGN NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) 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). ALL ELEVATIONS ARE BASED ON THE FOLLOWING:

<u>SECONDARY SURVEY MONUMENT</u>	<u>ELEVATION</u>	<u>NORTHING</u>	<u>EASTING</u>
TV12-SM-01	2.69'	456,955.08	3,005,295.33
CRMSTV-SM-06	1.85'	424,171.40	2,999,354.26

2. THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE SURVEYS PERFORMED FROM APRIL 2013 THROUGH JUNE 2013 AND OCTOBER 2014 THROUGH NOVEMBER 2014 BY THE HYDRO-TERRA GROUP FOR THE CPRA.
3. DATA FROM STATION CRMS2041 WAS USED TO CALCULATE THE MHW AND MLW. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET, GEOID 12A. MHW = +0.68' AND MLW = +0.48' WITHIN PROJECT AREA AND MHW = 1.86' AND MLW = 1.15' IN LITTLE VERMILION BAY AND MHW = 0.92' AND MLW = -0.12 IN OIL FIELD CANALS.
4. A GEOTECHNICAL INVESTIGATION WAS PERFORMED BY ARDAMAN & ASSOCIATES ON FEBRUARY 2013 TO APRIL 2013. THE BORING LOCATIONS ARE SHOWN ON THE PLANS. THE GEOTECHNICAL INVESTIGATION REPORT IS PROVIDED IN THE SPECIFICATIONS.

SUMMARY OF ESTIMATED QUANTITIES

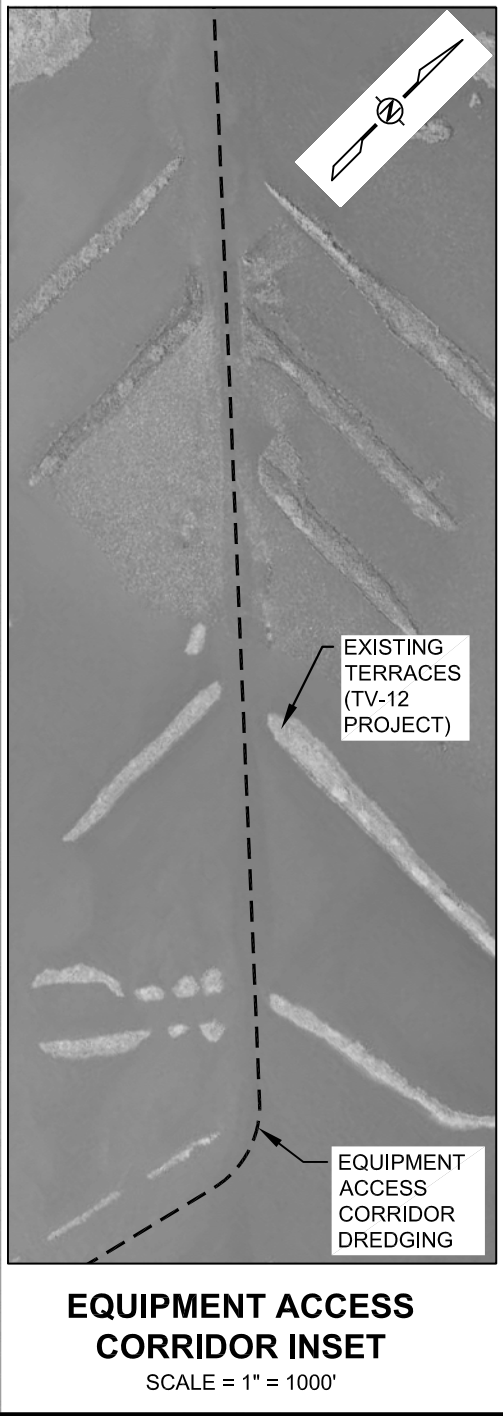
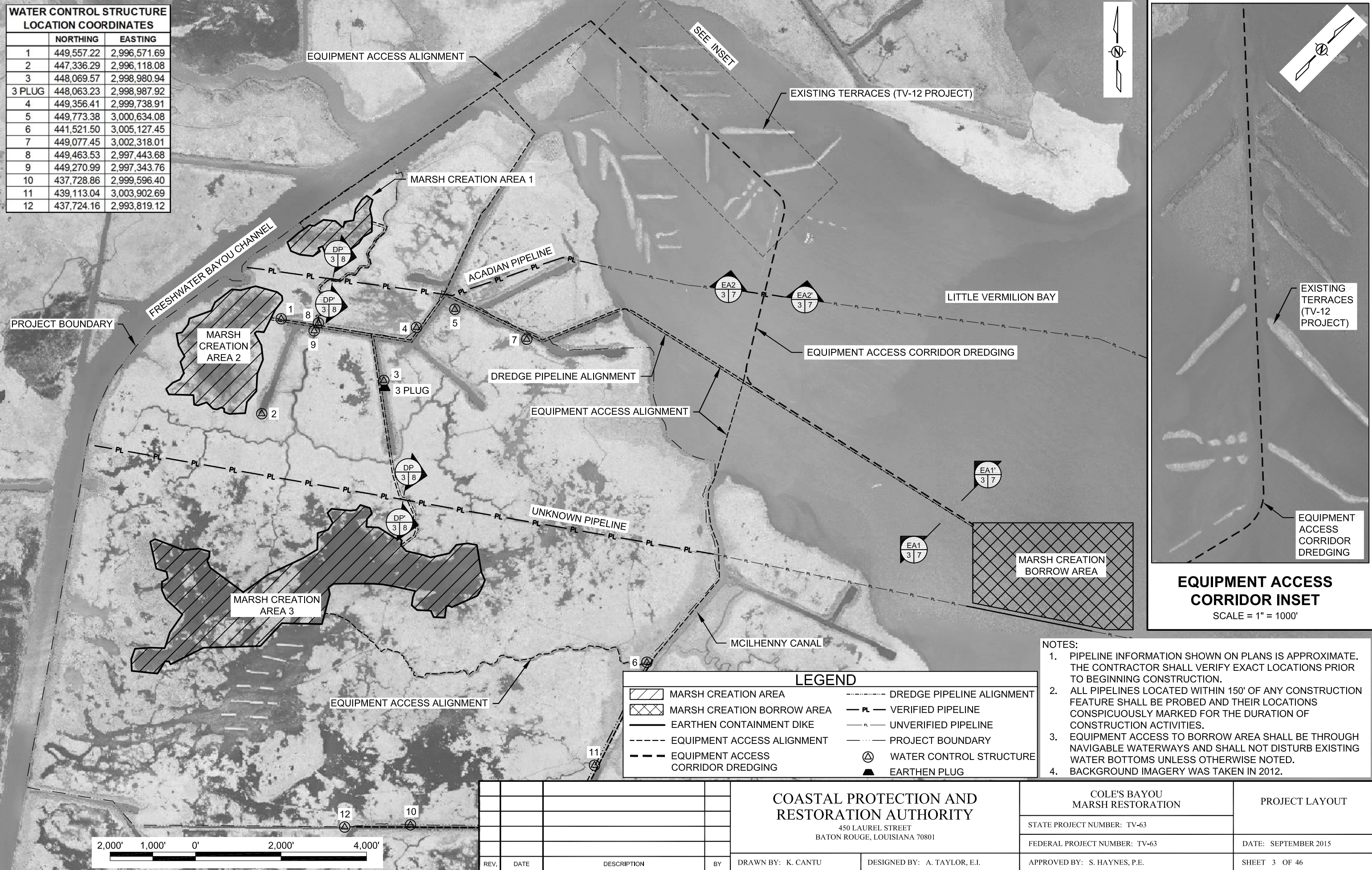
BASE BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ¹
100	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
210	SURVEYS	LUMP SUM	1
220	GRADE STAKES	EACH	100
250	SETTLEMENT PLATES	EACH	8
300	EARTHEN CONTAINMENT DIKES	LINEAR FOOT	43,108
310	EARTH WORK	LUMP SUM	1
330	ACCESS CHANNEL	LUMP SUM	1
400	HYDRAULIC DREDGING AND MARSH FILL	CUBIC YARD	1,828,080
510	CORRUGATED METAL PIPE	LINEAR FOOT	1,060
520	INLINE CHECK VALVE	EACH	23
530	ANTI-SEEP COLLAR	EACH	19
710	SAND FILL	CUBIC YARD	120
750	ARTICULATED CONCRETE BLOCK MAT	EACH	23
901	STEEL SHEET PILES	SQUARE FEET	4,430
980	PENETRATION SLEEVE	EACH	4

1. THE QUANTITIES SHOWN WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED FROM APRIL 2013 THROUGH JUNE 2013 AND OCTOBER 2014 THROUGH NOVEMBER 2014. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.
2. QUANTITY IS BASED ON THE BORROW AREA CUT VOLUMES. PAYMENT QUANTITY WILL BE BASED ON PROCESS SURVEYS.

				COASTAL PROTECTION AND RESTORATION AUTHORITY		COLE'S BAYOU MARSH RESTORATION		GENERAL NOTES	
				450 LAUREL STREET BATON ROUGE, LOUISIANA 70801					
						STATE PROJECT NUMBER: TV-63			
						FEDERAL PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.	APPROVED BY: S. HAYNES, P.E.		SHEET 2 OF 46	

WATER CONTROL STRUCTURE LOCATION COORDINATES		
	NORTHING	EASTING
1	449,557.22	2,996,571.69
2	447,336.29	2,996,118.08
3	448,069.57	2,998,980.94
3 PLUG	448,063.23	2,998,987.92
4	449,356.41	2,999,738.91
5	449,773.38	3,000,634.08
6	441,521.50	3,005,127.45
7	449,077.45	3,002,318.01
8	449,463.53	2,997,443.68
9	449,270.99	2,997,343.76
10	437,728.86	2,999,596.40
11	439,113.04	3,003,902.69
12	437,724.16	2,993,819.12



- NOTES:**
1. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
 2. ALL PIPELINES LOCATED WITHIN 150' OF ANY CONSTRUCTION FEATURE SHALL BE PROBED AND THEIR LOCATIONS CONSPICUOUSLY MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
 3. EQUIPMENT ACCESS TO BORROW AREA SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS UNLESS OTHERWISE NOTED.
 4. BACKGROUND IMAGERY WAS TAKEN IN 2012.

LEGEND	
	MARSH CREATION AREA
	MARSH CREATION BORROW AREA
	EARTHEN CONTAINMENT DIKE
	EQUIPMENT ACCESS ALIGNMENT
	EQUIPMENT ACCESS CORRIDOR DREDGING
	DREDGE PIPELINE ALIGNMENT
	VERIFIED PIPELINE
	UNVERIFIED PIPELINE
	PROJECT BOUNDARY
	WATER CONTROL STRUCTURE
	EARTHEN PLUG

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

COLE'S BAYOU
MARSH RESTORATION

STATE PROJECT NUMBER: TV-63

FEDERAL PROJECT NUMBER: TV-63

APPROVED BY: S. HAYNES, P.E.

PROJECT LAYOUT

DATE: SEPTEMBER 2015

SHEET 3 OF 46

REV.	DATE	DESCRIPTION	BY

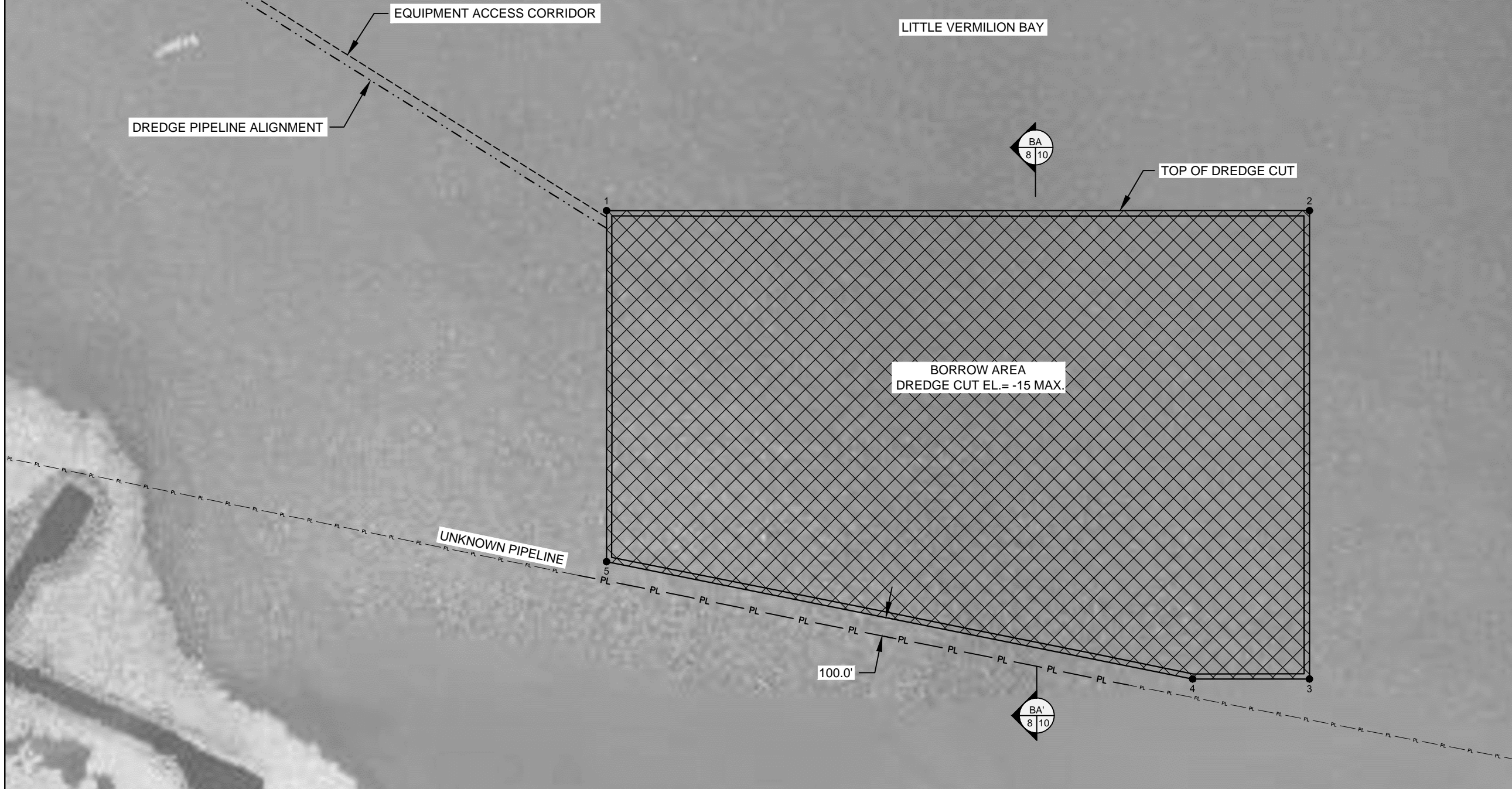
DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.





BORROW AREA		
1	444,785.64	3,012,750.85
2	444,785.63	3,016,500.85
3	442,286.50	3,016,500.85
4	442,286.50	3,015,877.18
5	442,912.75	3,012,750.85

ESTIMATED QUANTITIES		
SITE	VOLUME (CY)	AREA (ACRES)
BORROW AREA	2,855,221	193



NOTES:

1. 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 BORROW AREA SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES OF THE BORROW AREA.
3. A MAGNETOMETER SURVEY SHALL BE CONDUCTED ACCORDING TO THE SPECIFICATIONS PRIOR TO MOBILIZATION OF THE DREDGE.

LEGEND	
	BORROW AREA
	DREDGE PIPELINE ALIGNMENT
	EQUIPMENT ACCESS CORRIDOR
	VERIFIED PIPELINE
	UNVERIFIED PIPELINE

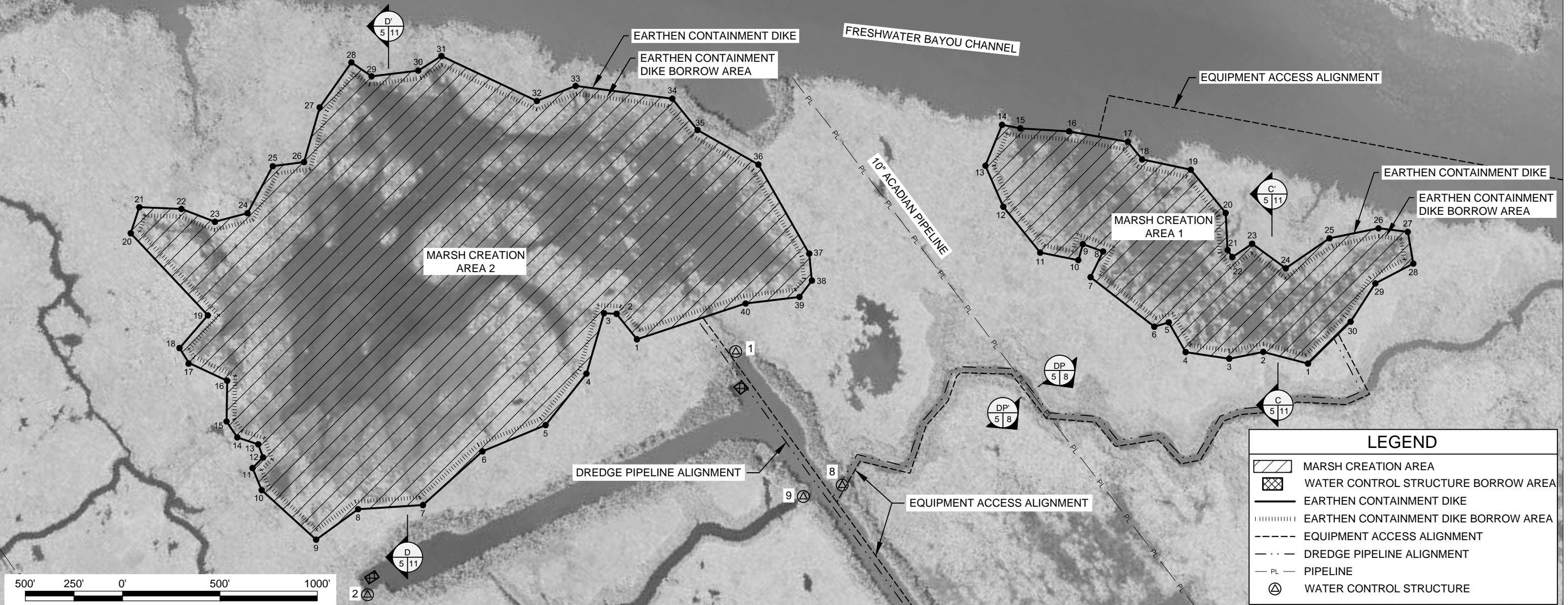
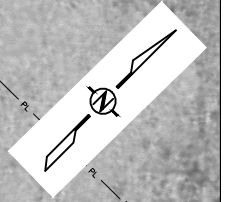


				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		BORROW AREA PLAN VIEW	
						STATE PROJECT NUMBER: TV-63		FEDERAL PROJECT NUMBER: TV-63	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 4 OF 46		

MARSH CREATION AREA 1 EARTHEN CONTAINMENT DIKE CENTERLINE					
	NORTHING	EASTING		NORTHING	EASTING
1	451,591.72	2,998,692.76	16	451,567.91	2,996,981.13
2	451,471.51	2,998,487.63	17	451,743.69	2,997,232.14
3	451,323.71	2,998,388.97	18	451,731.21	2,997,347.97
4	451,189.17	2,998,206.35	19	451,870.69	2,997,562.68
5	451,235.72	2,998,037.28	20	451,839.82	2,997,846.56
6	451,167.72	2,998,000.40	21	451,712.07	2,997,988.24
7	451,116.18	2,997,589.16	22	451,704.12	2,998,030.92
8	451,254.78	2,997,541.05	23	451,824.47	2,998,054.28
9	451,208.36	2,997,441.08	24	451,857.23	2,998,265.58
10	451,133.73	2,997,482.52	25	452,124.64	2,998,315.40
11	451,022.62	2,997,316.93	26	452,339.45	2,998,457.09
12	451,055.39	2,997,015.94	27	452,432.66	2,998,576.30
13	451,139.59	2,996,802.24	28	452,337.62	2,998,711.94
14	451,348.42	2,996,714.17	29	452,127.79	2,998,645.95
15	451,401.84	2,996,793.05	30	451,898.82	2,998,695.18

MARSH CREATION AREA 2 EARTHEN CONTAINMENT DIKE CENTERLINE					
	NORTHING	EASTING		NORTHING	EASTING
1	449,242.98	2,996,167.40	15	447,454.29	2,994,975.61
2	449,261.50	2,996,000.90	16	447,604.37	2,994,830.31
3	449,218.34	2,995,953.16	17	447,526.63	2,994,627.66
4	448,935.16	2,995,109.06	18	447,549.86	2,994,538.03
5	448,599.40	2,996,147.61	19	447,771.96	2,994,522.38
6	448,274.82	2,996,013.81	20	447,790.06	2,993,943.81
7	447,863.52	2,995,992.80	21	447,915.92	2,993,880.33
8	447,613.15	2,995,772.07	22	448,062.41	2,994,039.58
9	447,349.87	2,995,730.67	23	448,137.74	2,994,207.91
10	447,332.20	2,995,352.89	24	448,287.58	2,994,295.18
11	447,379.20	2,995,239.24	25	448,549.58	2,994,215.86
12	447,456.29	2,995,238.91	26	448,678.07	2,994,314.73
13	447,486.33	2,995,173.89	27	448,933.69	2,994,172.55
14	447,435.43	2,995,072.79	28	449,212.27	2,994,124.48

ESTIMATED QUANTITIES		
SITE	VOLUME (CY)	AREA (ACRES)
MARSH CREATION AREA 1	79,557	28
MARSH CREATION AREA 2	342,362	108



LEGEND	
	MARSH CREATION AREA
	WATER CONTROL STRUCTURE BORROW AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EQUIPMENT ACCESS ALIGNMENT
	DREDGE PIPELINE ALIGNMENT
	PIPELINE
	WATER CONTROL STRUCTURE

NOTES:

1. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL PIPELINES LOCATED WITHIN 150' OF ANY CONSTRUCTION FEATURE SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
3. A MAGNETOMETER SURVEY SHALL BE CONDUCTED ACCORDING TO THE SPECIFICATIONS PRIOR TO EXCAVATION.

REV.	DATE	DESCRIPTION	BY

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

DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

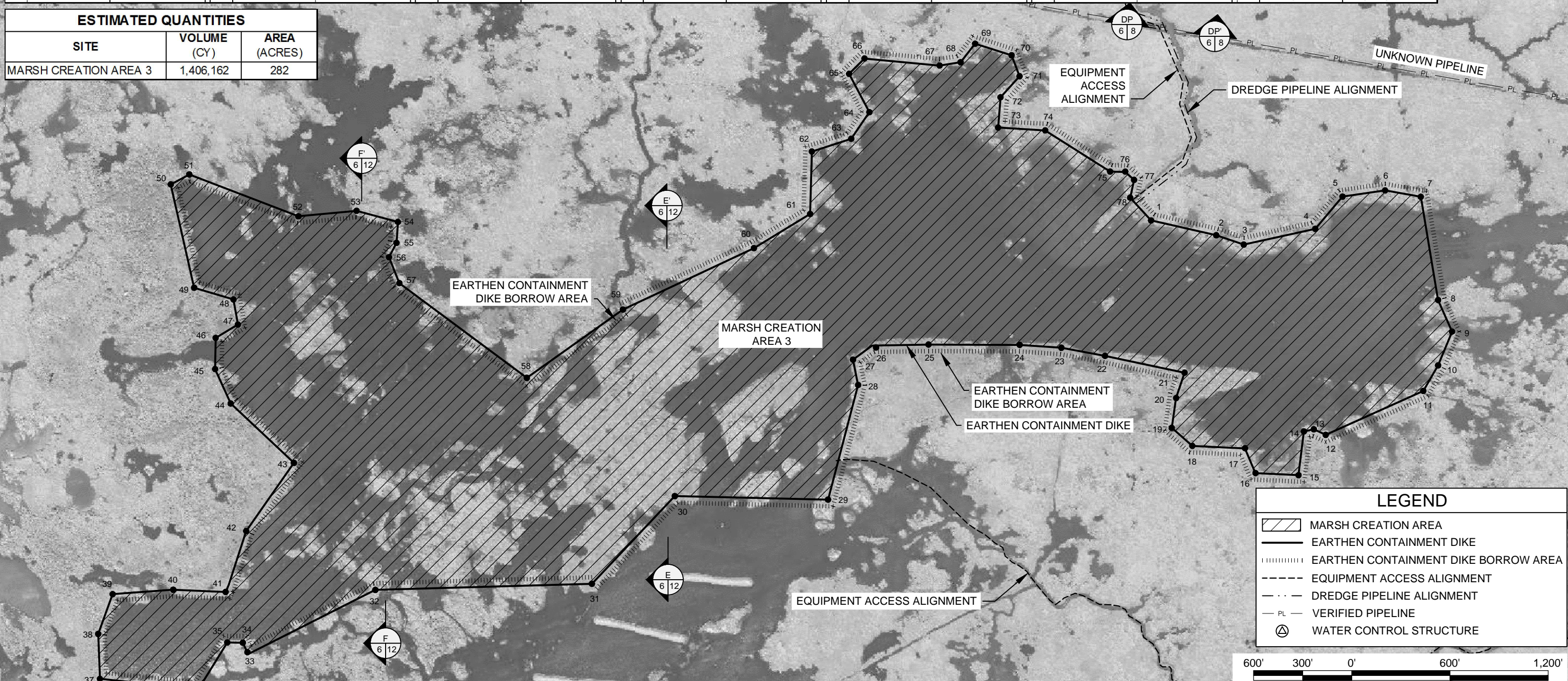
COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREAS 1 & 2 PLAN VIEW
STATE PROJECT NUMBER: TV-63	DATE: SEPTEMBER 2015	
FEDERAL PROJECT NUMBER: TV-63	APPROVED BY: S. HAYNES, P.E.	SHEET 5 OF 46

MARSH CREATION AREA 3 EARTHEN CONTAINMENT DIKE CENTERLINE

	NORTHING	EASTING		NORTHING	EASTING		NORTHING	EASTING		NORTHING	EASTING		NORTHING	EASTING		NORTHING	EASTING	
1	444,123.97	2,999,499.93	12	442,814.36	3,000,567.65	23	443,346.48	2,998,952.09	34	441,544.60	2,993,949.80	45	443,215.90	2,993,780.62	56	443,899.22	2,994,843.17	
2	444,033.57	2,999,898.82	13	442,848.19	3,000,494.85	24	443,363.68	2,998,697.43	35	441,546.35	2,993,855.08	46	443,406.40	2,993,784.03	57	443,740.88	2,994,907.00	
3	443,976.44	3,000,066.72	14	442,834.93	3,000,434.02	25	443,365.80	2,998,140.28	36	441,260.67	2,993,678.63	47	443,488.04	2,993,920.21	58	443,162.45	2,995,685.63	
4	444,072.36	3,000,503.86	15	442,568.26	3,000,401.32	26	443,347.58	2,997,819.81	37	441,324.01	2,993,077.02	48	443,641.11	2,993,892.97	59	443,579.57	2,996,272.93	
5	444,269.33	3,000,670.15	16	442,580.68	3,000,138.41	27	443,273.72	2,997,678.78	38	441,598.16	2,993,066.13	49	443,712.55	2,993,652.55	60	443,954.49	2,997,073.54	
6	444,307.01	3,000,930.72	17	442,732.70	3,000,074.62	28	443,118.69	2,997,710.22	39	441,841.30	2,993,154.68	50	444,343.86	2,993,509.73	61	444,163.05	2,997,416.72	
7	444,268.26	3,001,148.67	18	442,746.85	2,999,752.57	29	442,418.53	2,997,526.48	40	441,868.34	2,993,524.64	51	444,404.72	2,993,623.37	62	444,544.82	2,997,427.33	
8	443,637.77	3,001,254.25	19	442,857.29	2,999,626.60	30	442,440.32	2,996,589.80	41	441,854.89	2,993,845.17	52	444,149.22	2,994,289.51	63	444,622.59	2,997,667.91	
9	443,444.71	3,001,339.55	20	443,039.16	2,999,653.29	31	441,904.60	2,996,083.55	42	442,226.75	2,993,970.67	53	444,182.92	2,994,645.07	64	444,785.24	2,997,779.01	
10	443,238.38	3,001,254.25	21	443,193.67	2,999,705.19	32	441,867.16	2,994,759.63	43	442,643.09	2,994,262.45	54	444,114.74	2,994,898.20	65	445,019.11	2,997,654.99	
11	443,082.88	3,001,163.91	22	443,296.67	2,999,218.76	33	441,486.73	2,993,977.96	44	443,005.49	2,993,876.09	55	443,987.19	2,994,889.39	66	445,112.91	2,997,749.01	
																67	445,069.86	2,998,208.07
																68	445,090.13	2,998,336.57
																69	445,203.25	2,998,425.02
																70	445,132.55	2,998,647.91
																71	445,004.45	2,998,696.61
																72	444,876.25	2,998,580.40
																73	444,690.99	2,998,565.50
																74	444,673.92	2,998,853.10
																75	444,421.97	2,999,249.99
																76	444,421.97	2,999,342.79
																77	444,371.59	2,999,396.55
																78	444,262.64	2,999,372.47



ESTIMATED QUANTITIES		
SITE	VOLUME (CY)	AREA (ACRES)
MARSH CREATION AREA 3	1,406,162	282



LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EQUIPMENT ACCESS ALIGNMENT
	DREDGE PIPELINE ALIGNMENT
	VERIFIED PIPELINE
	WATER CONTROL STRUCTURE

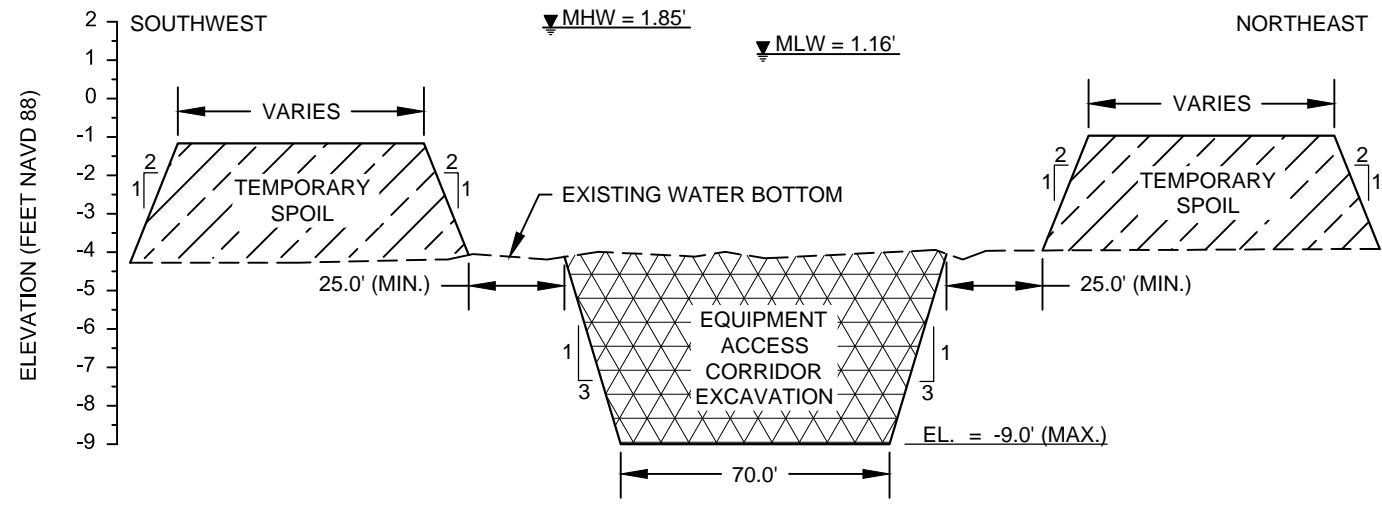
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 - A MAGNETOMETER SURVEY SHALL BE CONDUCTED ACCORDING TO THE SPECIFICATIONS PRIOR TO EXCAVATION.

REV.	DATE	DESCRIPTION	BY

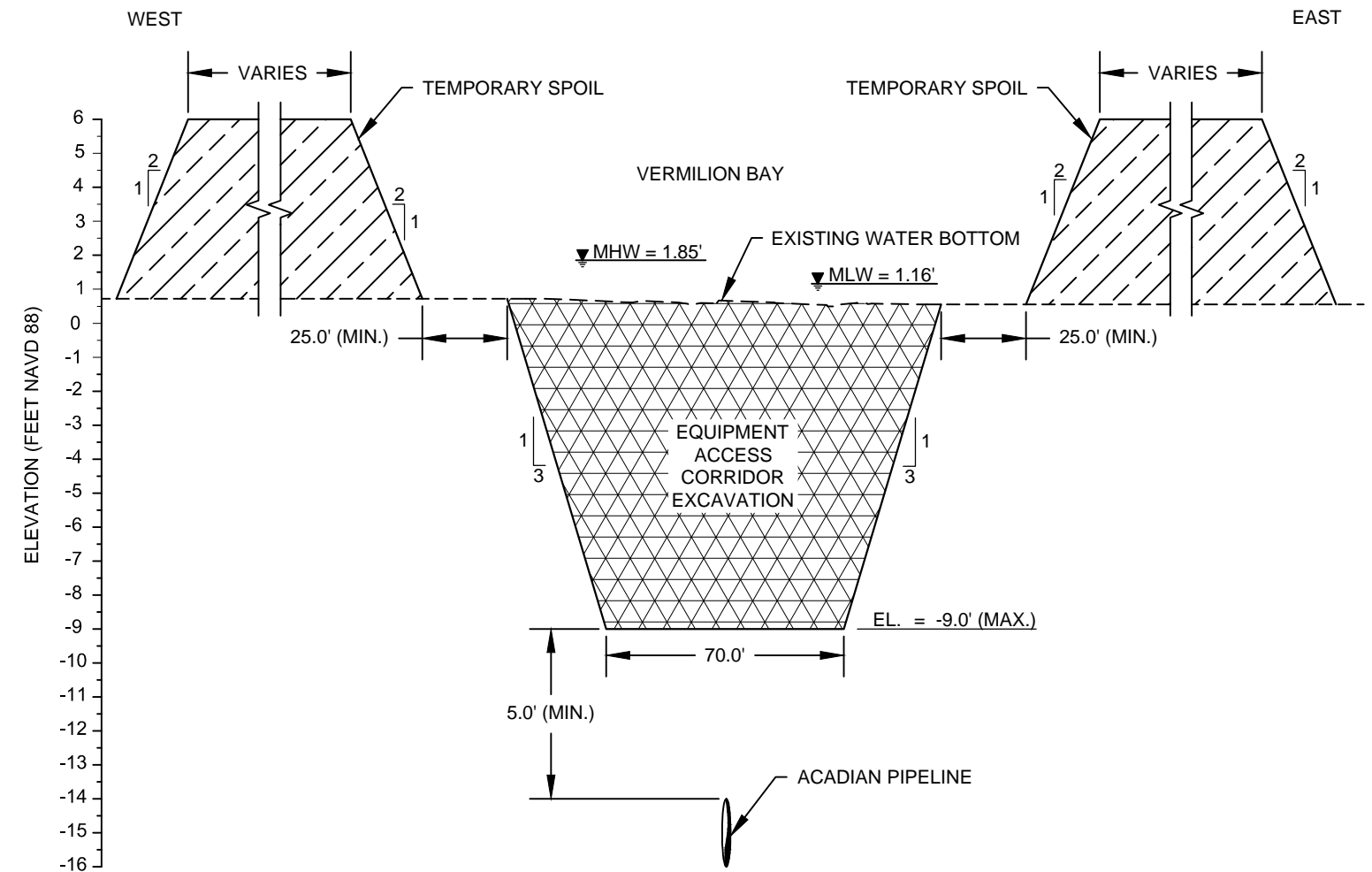
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREA 3 PLAN VIEW
STATE PROJECT NUMBER: TV-63	DATE: SEPTEMBER 2015	
FEDERAL PROJECT NUMBER: TV-63	APPROVED BY: S. HAYNES, P.E.	SHEET 6 OF 46

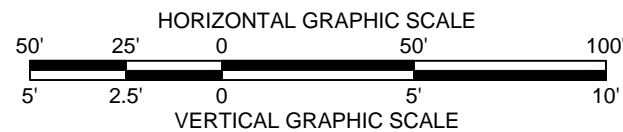


EA1-EA1
7 3
**EQUIPMENT ACCESS CORRIDOR
TYPICAL SECTION**

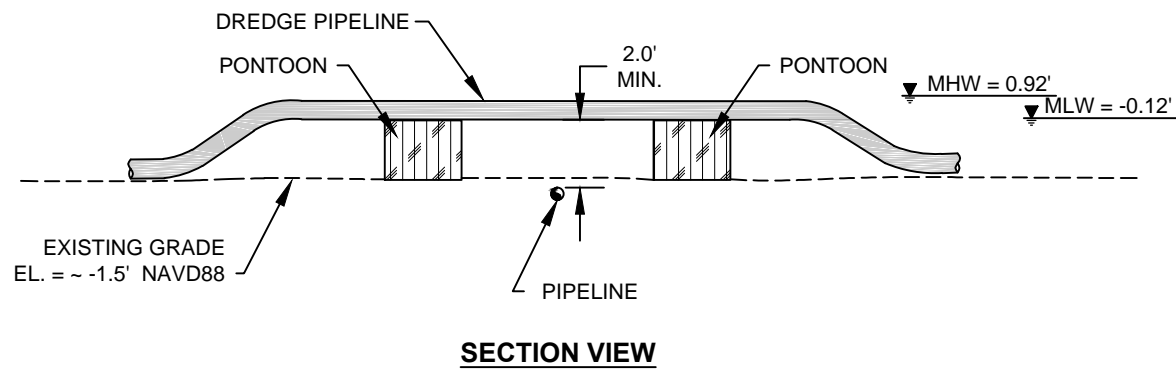
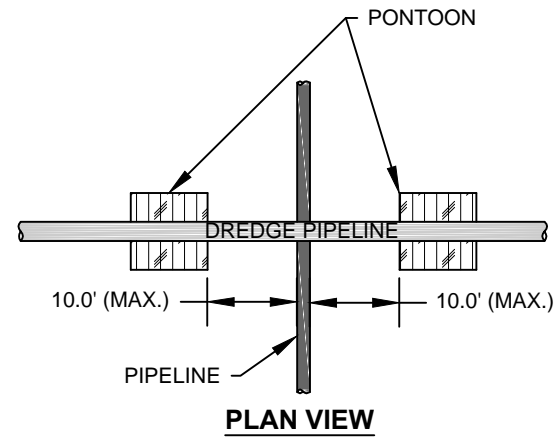


EA2-EA2
7 3
**EQUIPMENT ACCESS CORRIDOR PIPELINE CROSSING
TYPICAL SECTION**

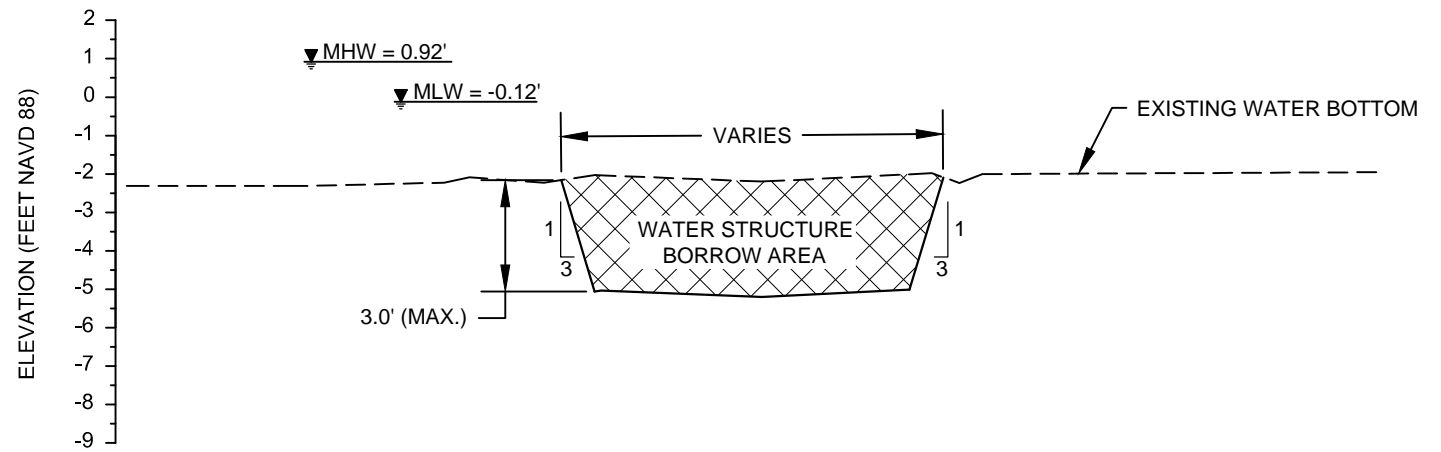
LEGEND	
	EQUIPMENT ACCESS CORRIDOR EXCAVATION
	TEMPORARY SPOIL
	EXISTING WATER BOTTOM



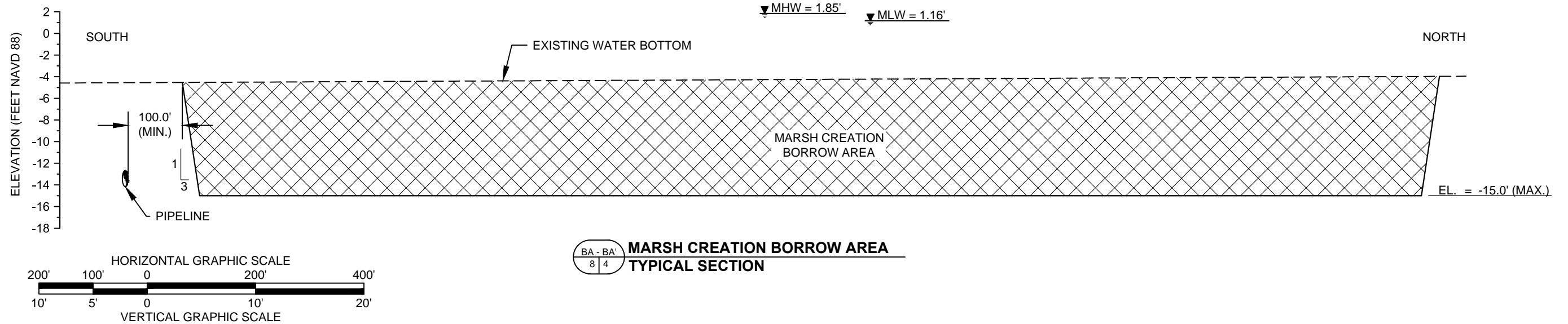
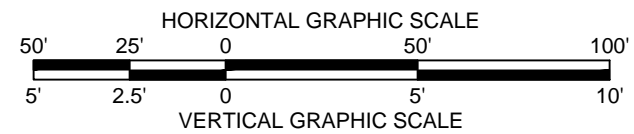
				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		TYPICAL EQUIPMENT ACCESS SECTIONS	
						STATE PROJECT NUMBER: TV-63			
						FEDERAL PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.	
								SHEET 7 OF 46	



DP - DP'
8 | 3, 5, 6
DREDGE PIPELINE PONTON CROSSING TYPICAL SECTION
N.T.S



BA - BA'
8 | 11-16, 18
WATER STRUCTURE BORROW AREA
TYPICAL SECTION



BA - BA'
8 | 4
MARSH CREATION BORROW AREA
TYPICAL SECTION

LEGEND	
	DREDGE PIPELINE
	EXISTING EARTHEN EMBANKMENT
	EXISTING RIP-RAP
	PONTON SUPPORT
	BORROW AREA
	EXISTING GROUND
	ARTICULATED CONCRETE MATS

REV.	DATE	DESCRIPTION	BY

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

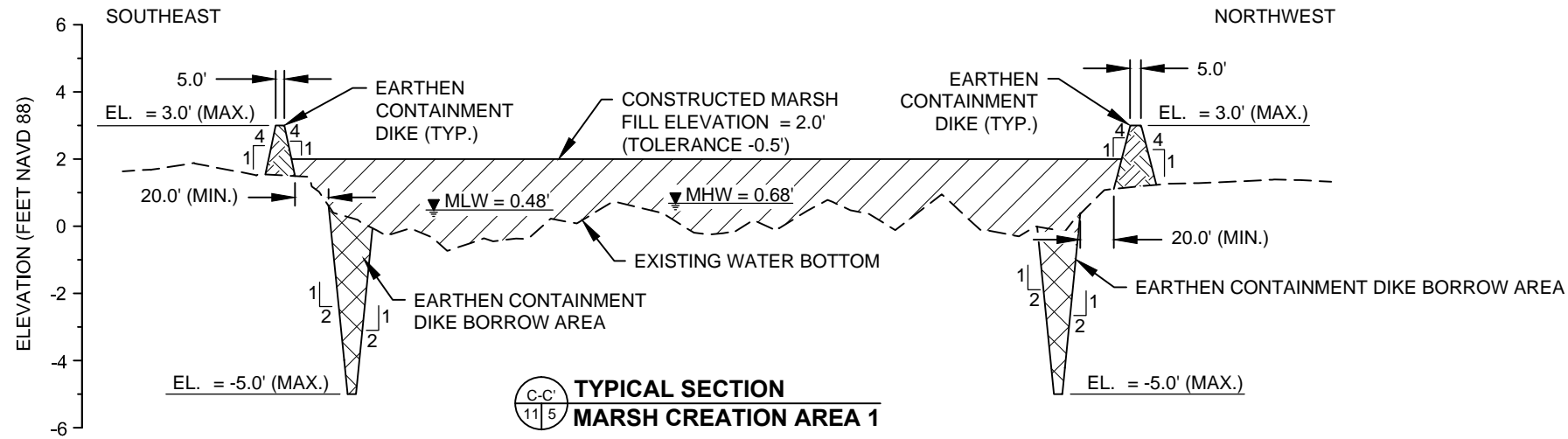
DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU
MARSH RESTORATION

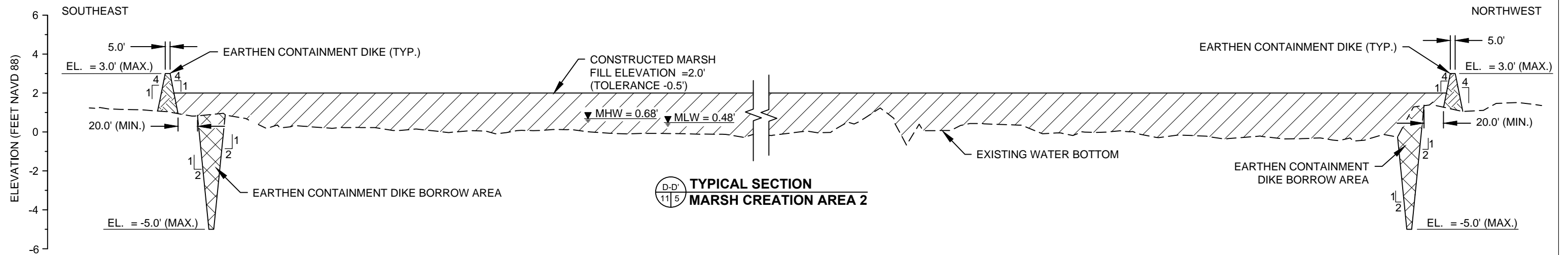
STATE PROJECT NUMBER: TV-63
FEDERAL PROJECT NUMBER: TV-63
APPROVED BY: S. HAYNES, P.E.

DREDGE PIPELINE
PONTON CROSSING &
BORROW AREA TYPICALS

DATE: SEPTEMBER 2015
SHEET 8 OF 46

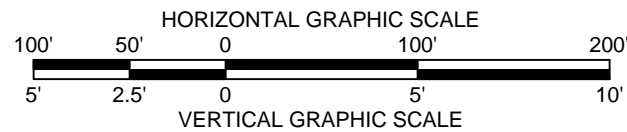


**TYPICAL SECTION
MARSH CREATION AREA 1**



**TYPICAL SECTION
MARSH CREATION AREA 2**

LEGEND	
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EARTHEN CONTAINMENT DIKE
	MARSH FILL
	EXISTING WATER BOTTOM



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: K. CANTU

DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION

STATE PROJECT NUMBER: TV-63

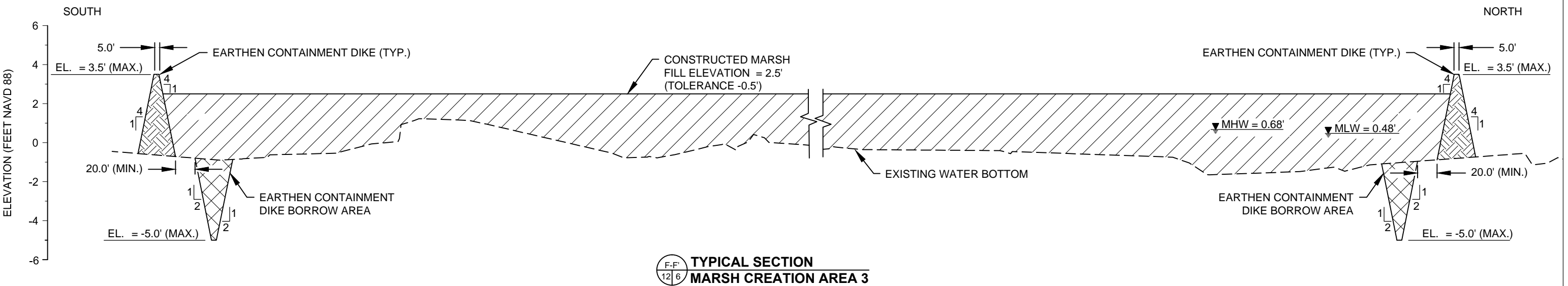
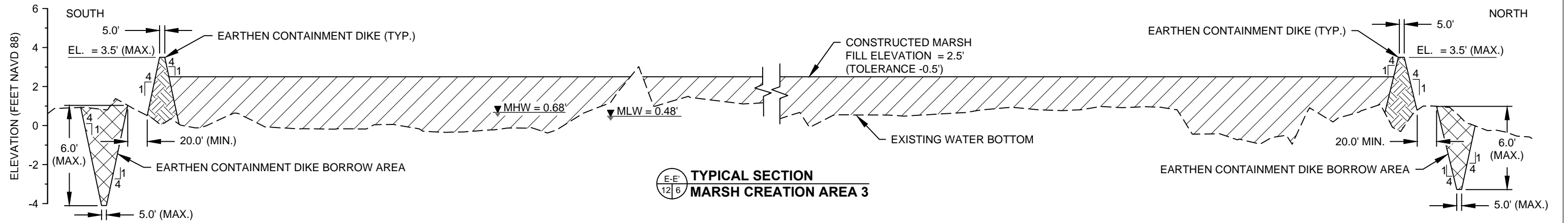
FEDERAL PROJECT NUMBER: TV-63

APPROVED BY: S. HAYNES, P.E.

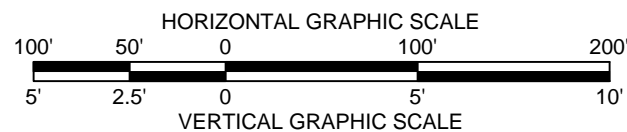
TYPICAL MARSH CREATION AREA SECTIONS

DATE: SEPTEMBER 2015

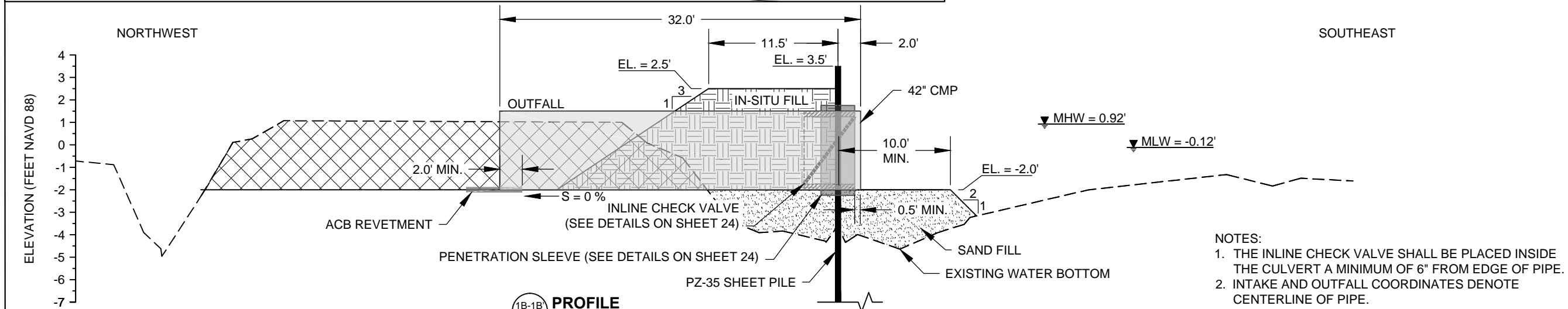
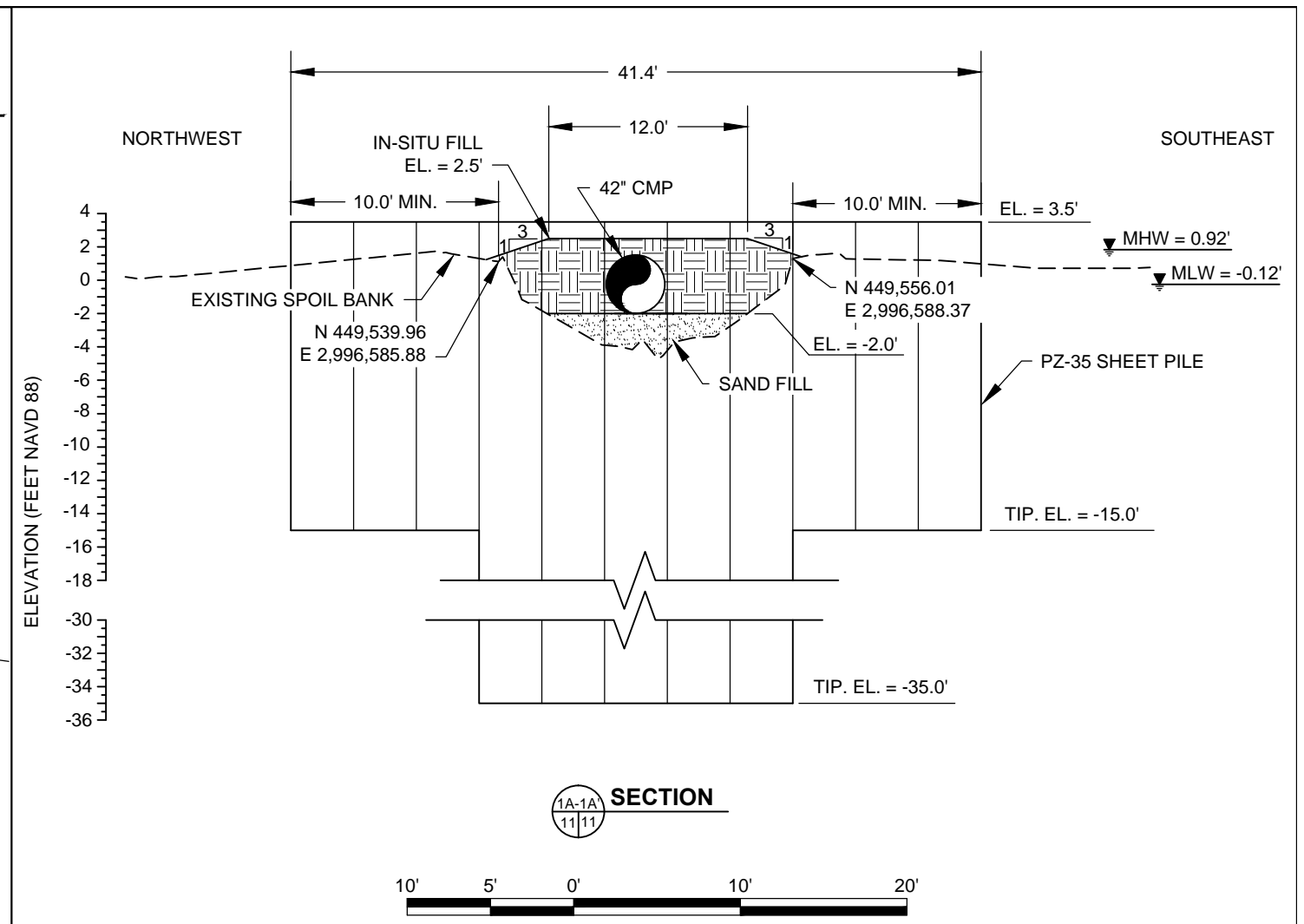
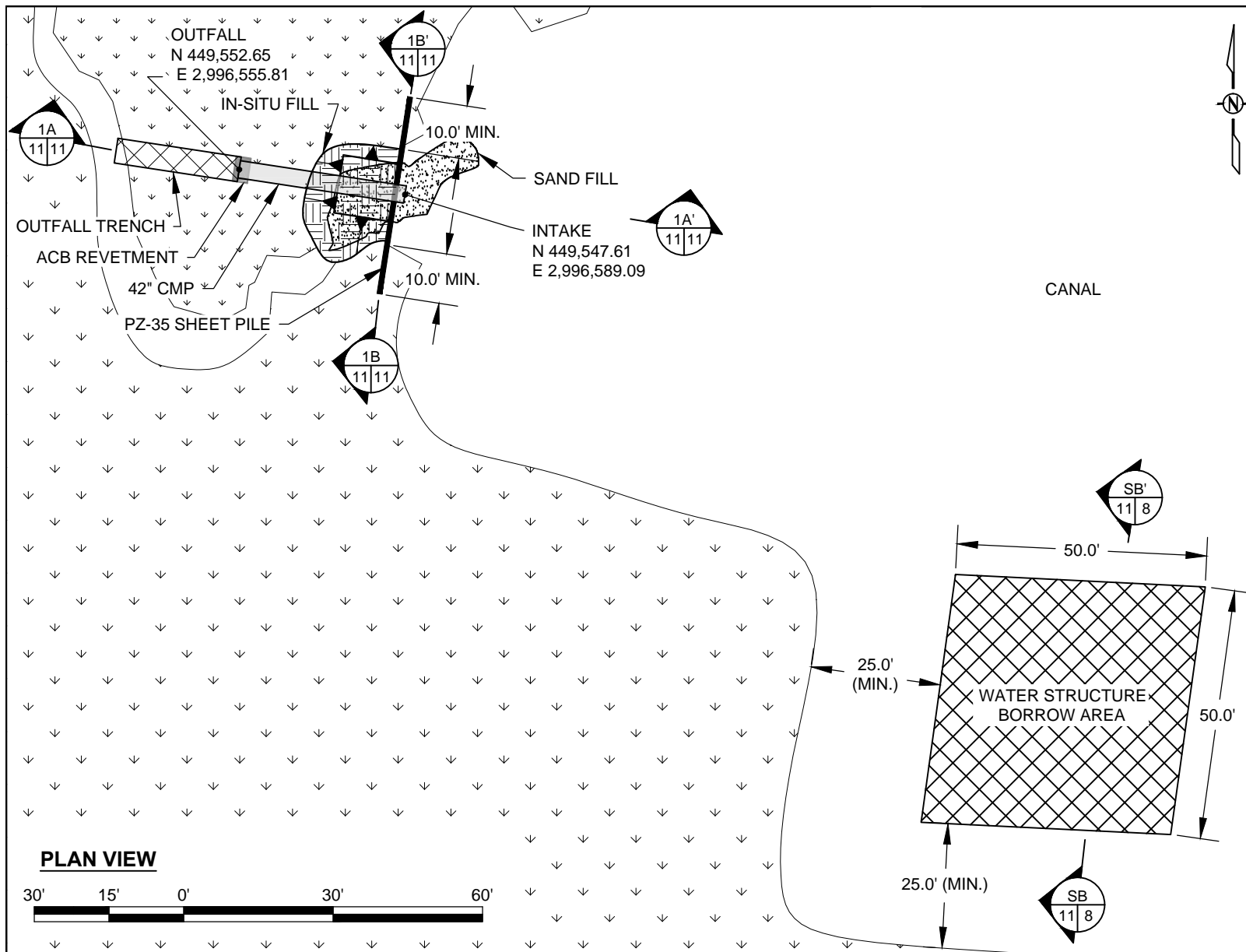
SHEET 9 OF 46



LEGEND	
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EARTHEN CONTAINMENT DIKE
	MARSH FILL
	EXISTING WATER BOTTOM



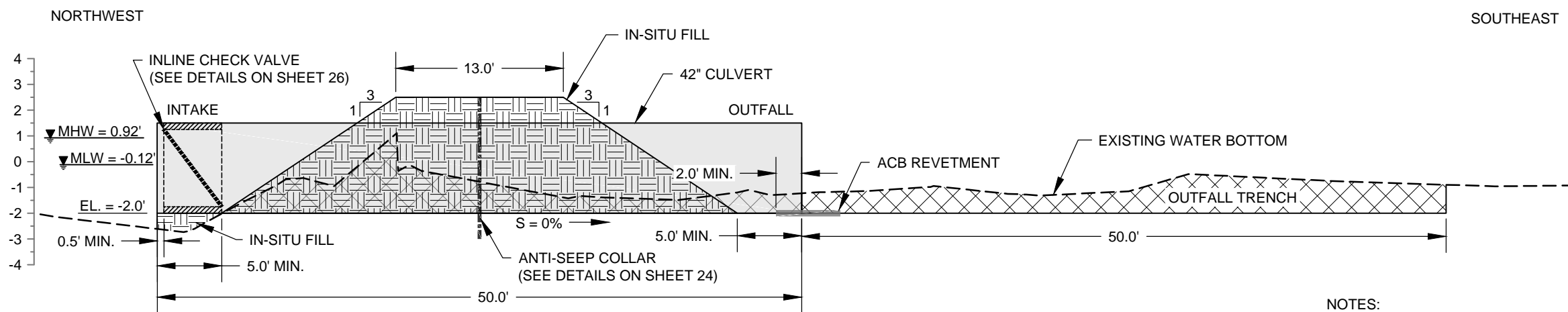
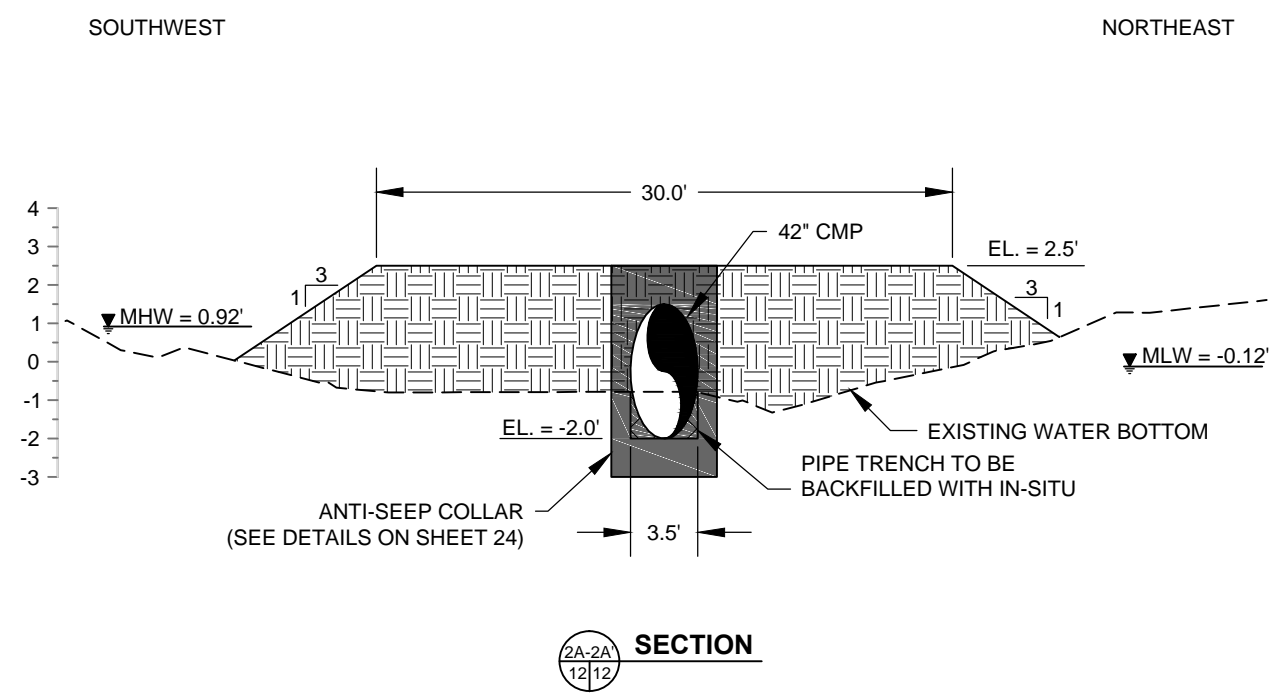
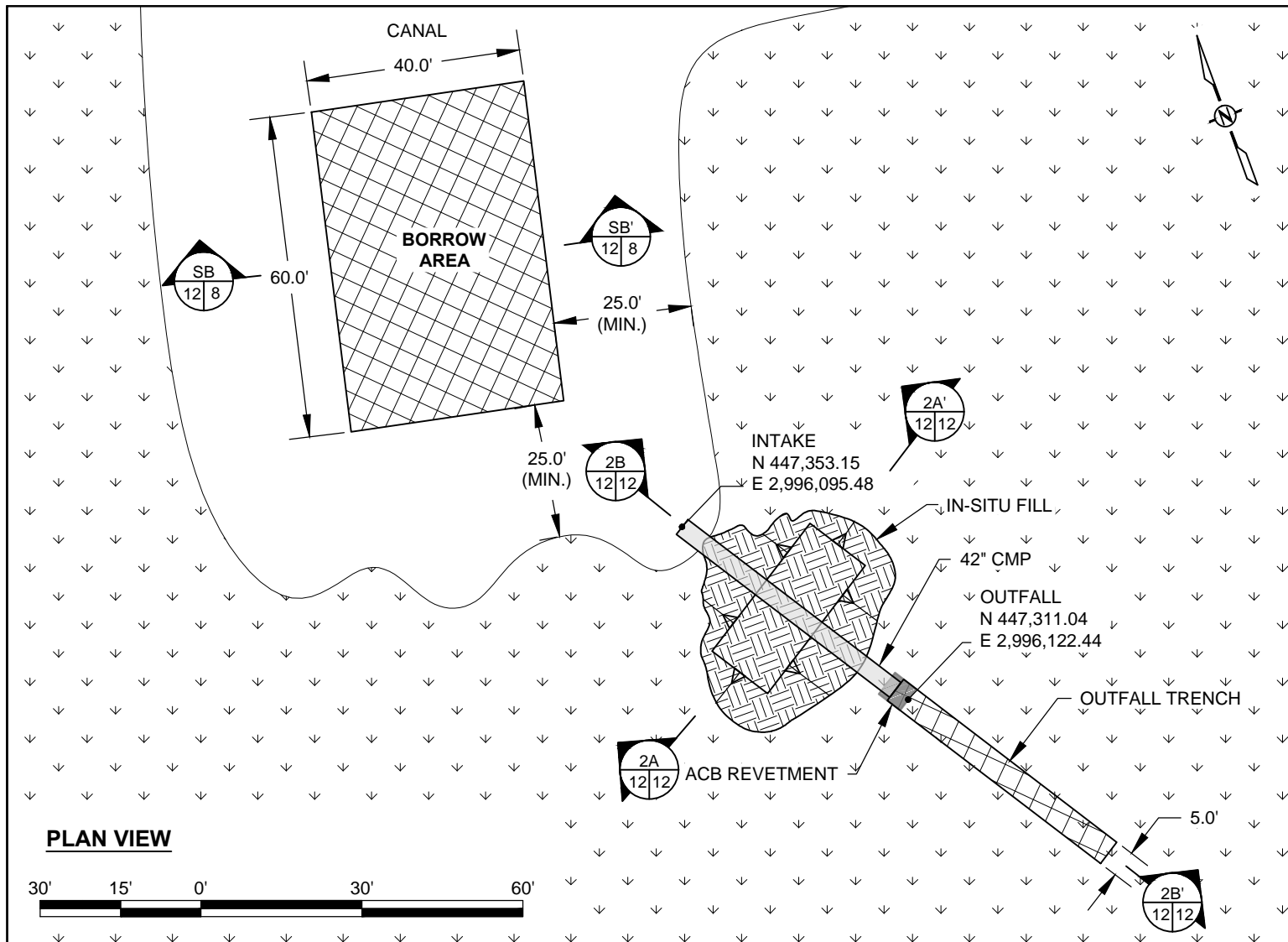
				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		TYPICAL MARSH CREATION AREA SECTIONS	
						STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
						FEDERAL PROJECT NUMBER: TV-63			
				DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.	
REV.	DATE	DESCRIPTION	BY					SHEET 10 OF 46	



LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	SAND FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

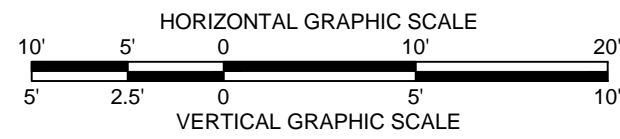
NOTES:
 1. THE IN-LINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801				COLE'S BAYOU MARSH RESTORATION		WATER STRUCTURE 1 PLAN, PROFILE, & SECTION	
				STATE PROJECT NUMBER: TV-63		FEDERAL PROJECT NUMBER: TV-63	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.		SHEET 11 OF 46	
REV.	DATE	DESCRIPTION	BY				

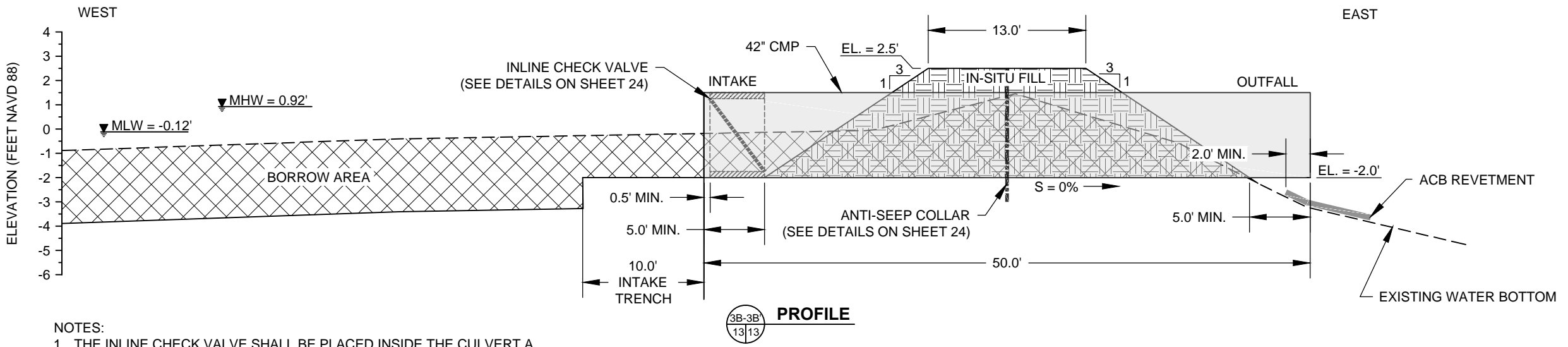
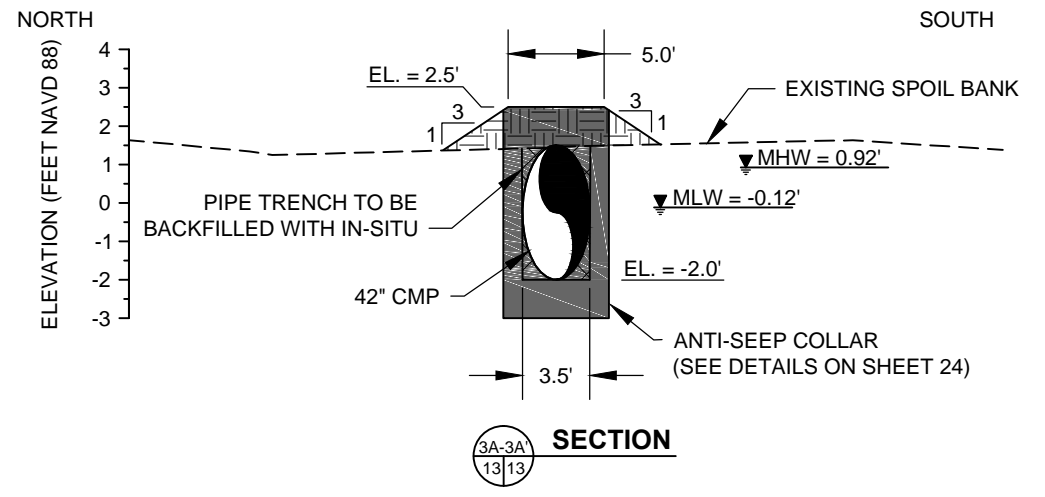
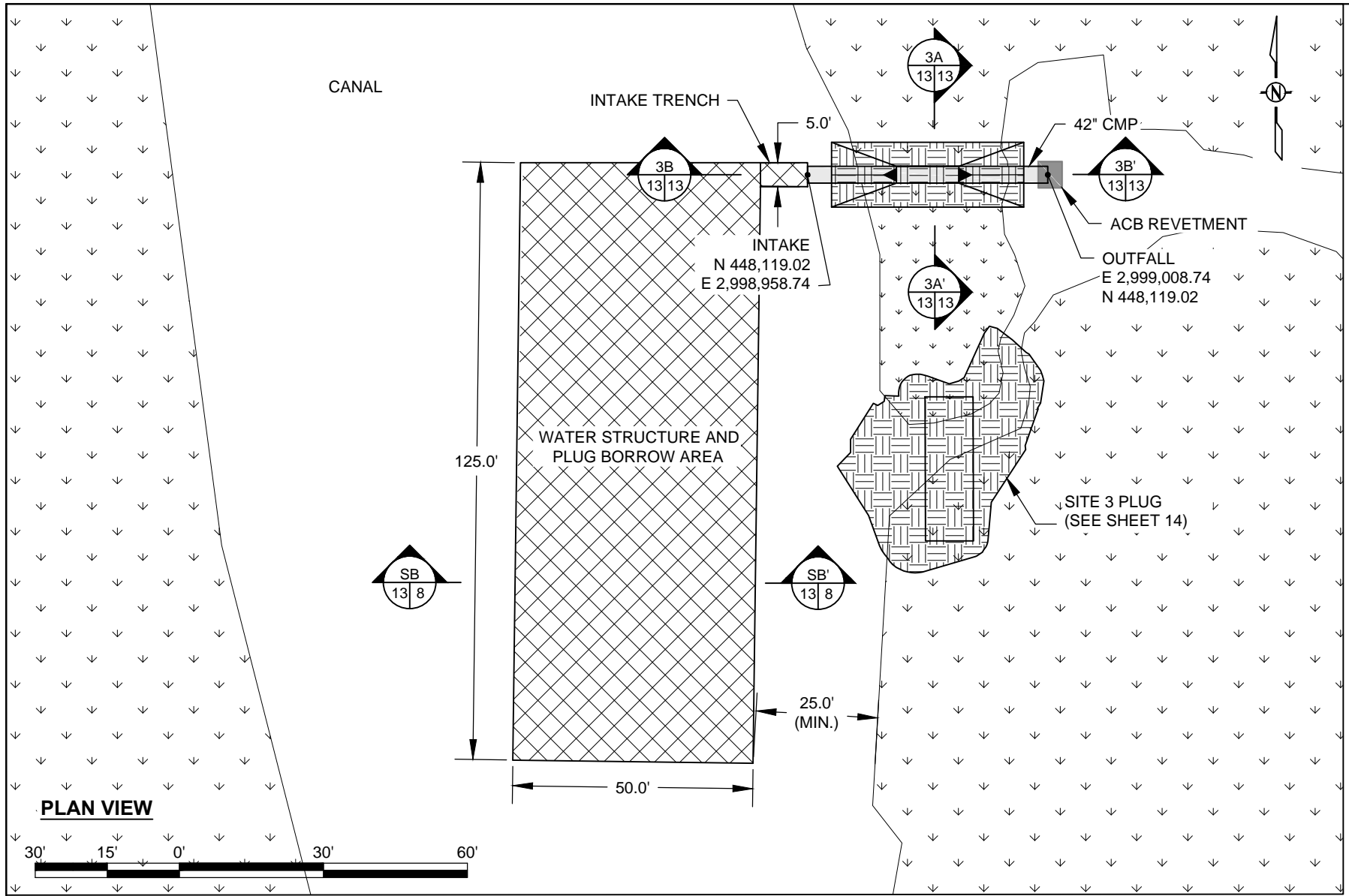


LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	SAND FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

- NOTES:
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

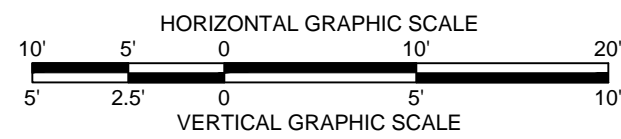


				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION		WATER STRUCTURE 2 PLAN, PROFILE, & SECTION	
						STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
REV.		DATE		DESCRIPTION		BY		DRAWN BY: K. CANTU	
								DESIGNED BY: A. TAYLOR, E.I.	
								APPROVED BY: S. HAYNES, P.E.	
								SHEET 12 OF 46	



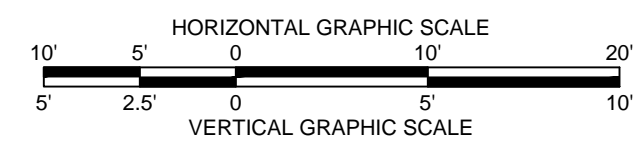
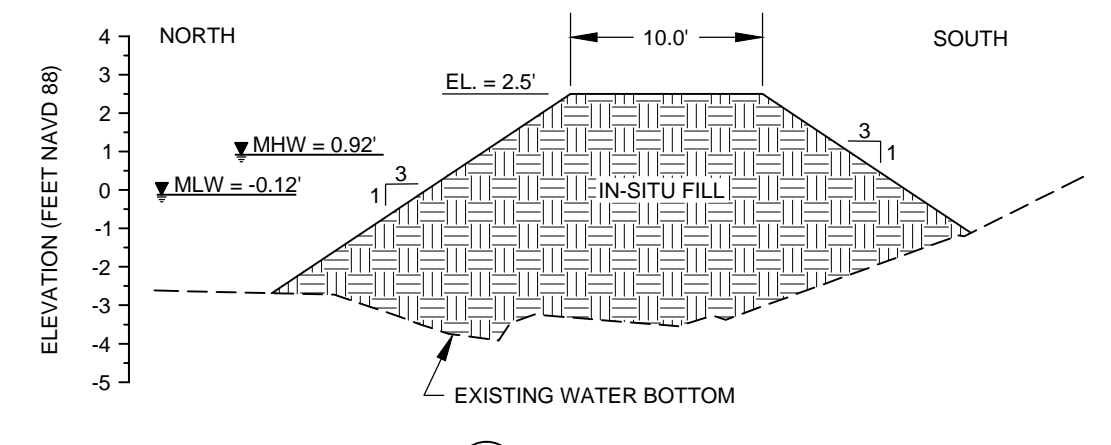
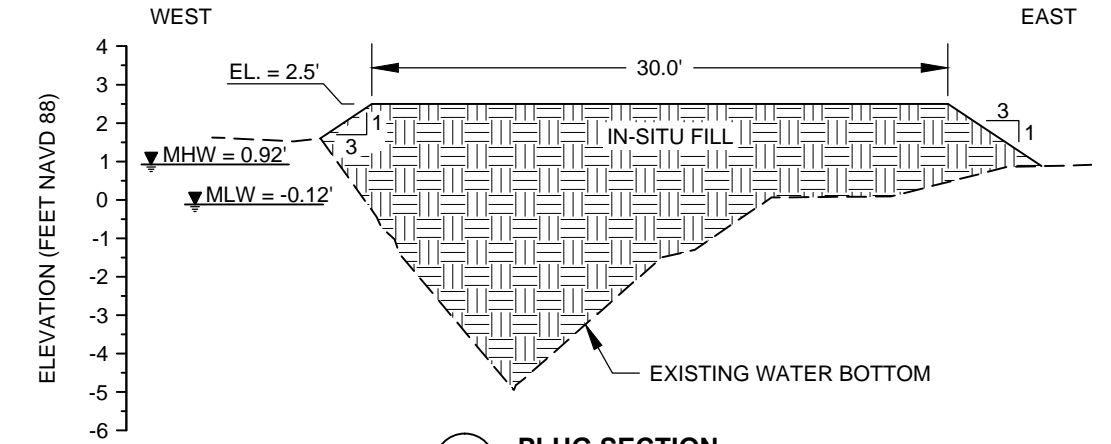
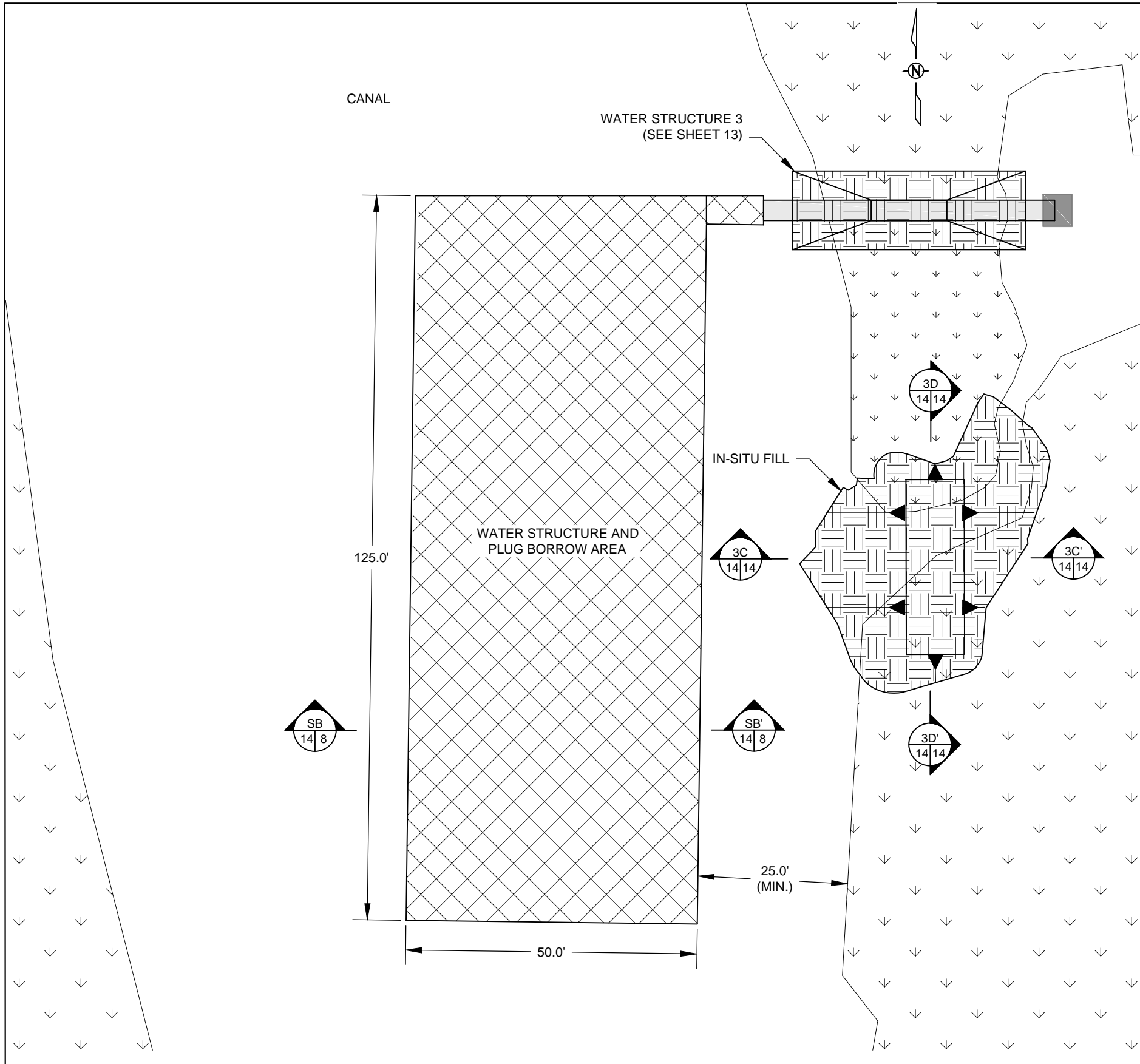
LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	SAND FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

- NOTES:
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

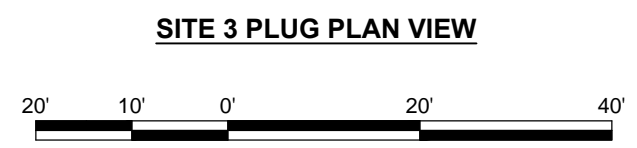


REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION	WATER STRUCTURE 3 PLAN, PROFILE, & SECTION
		STATE PROJECT NUMBER: TV-63	DATE: SEPTEMBER 2015
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.	FEDERAL PROJECT NUMBER: TV-63	APPROVED BY: S. HAYNES, P.E.
			SHEET 13 OF 46

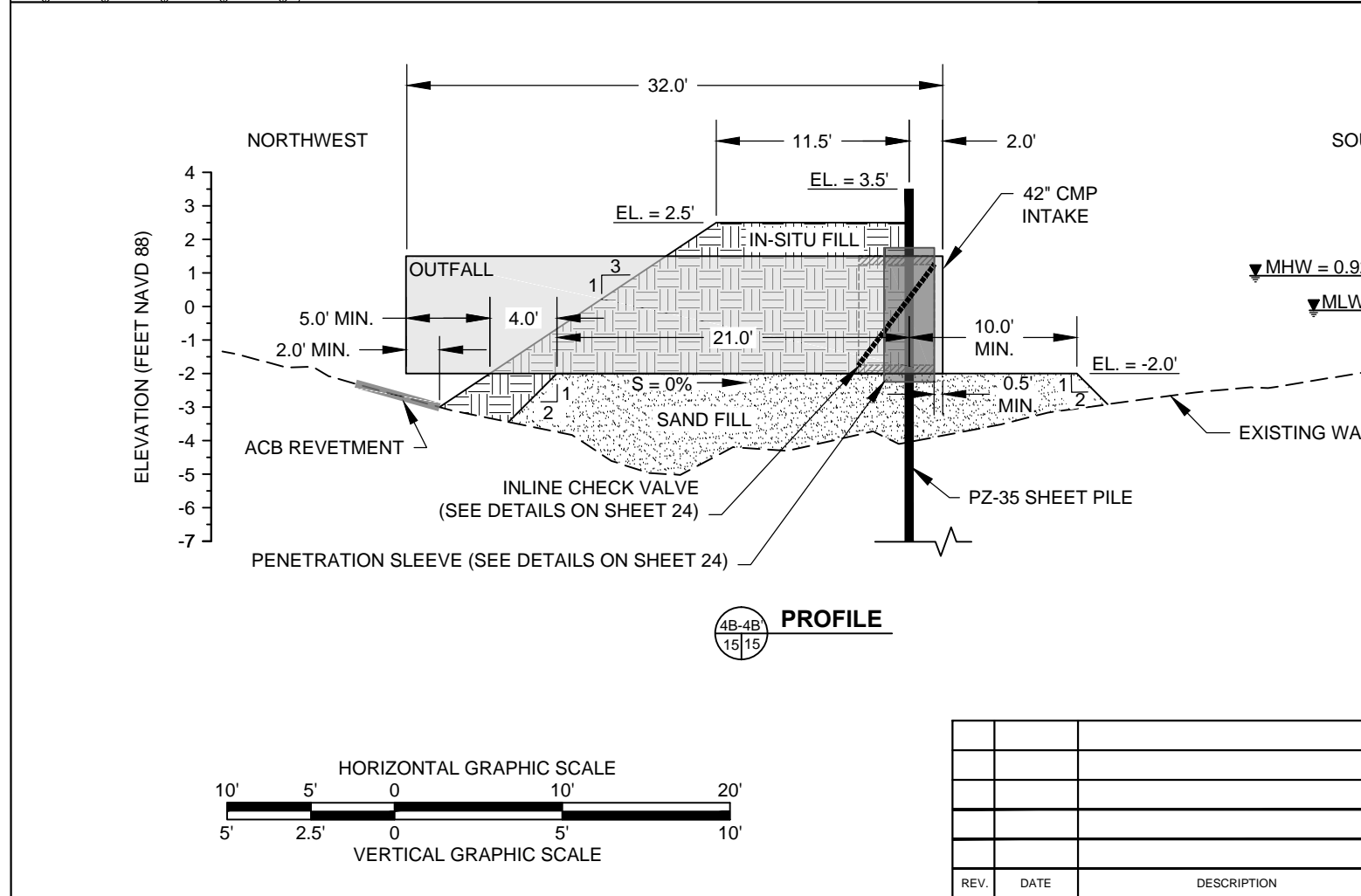
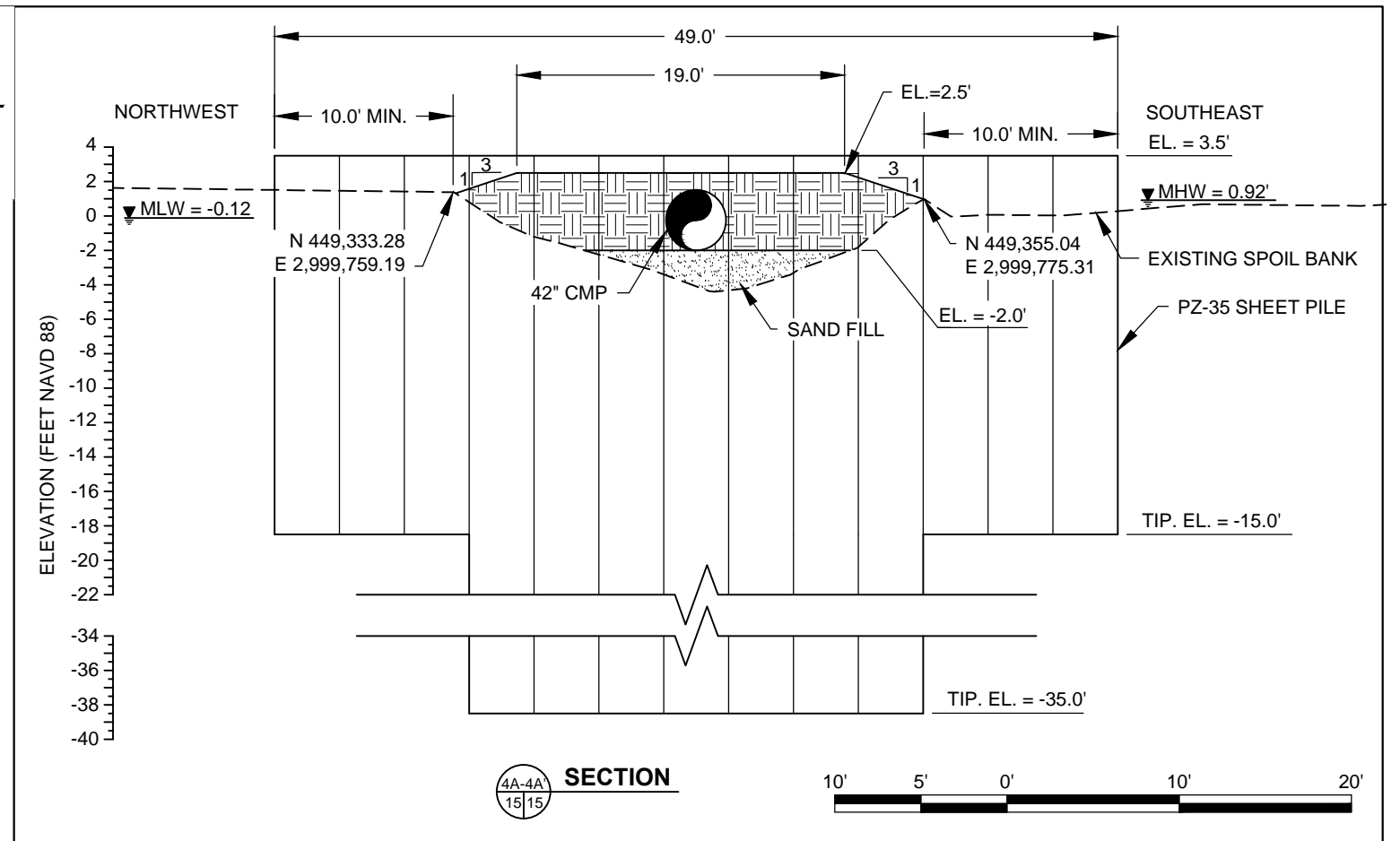
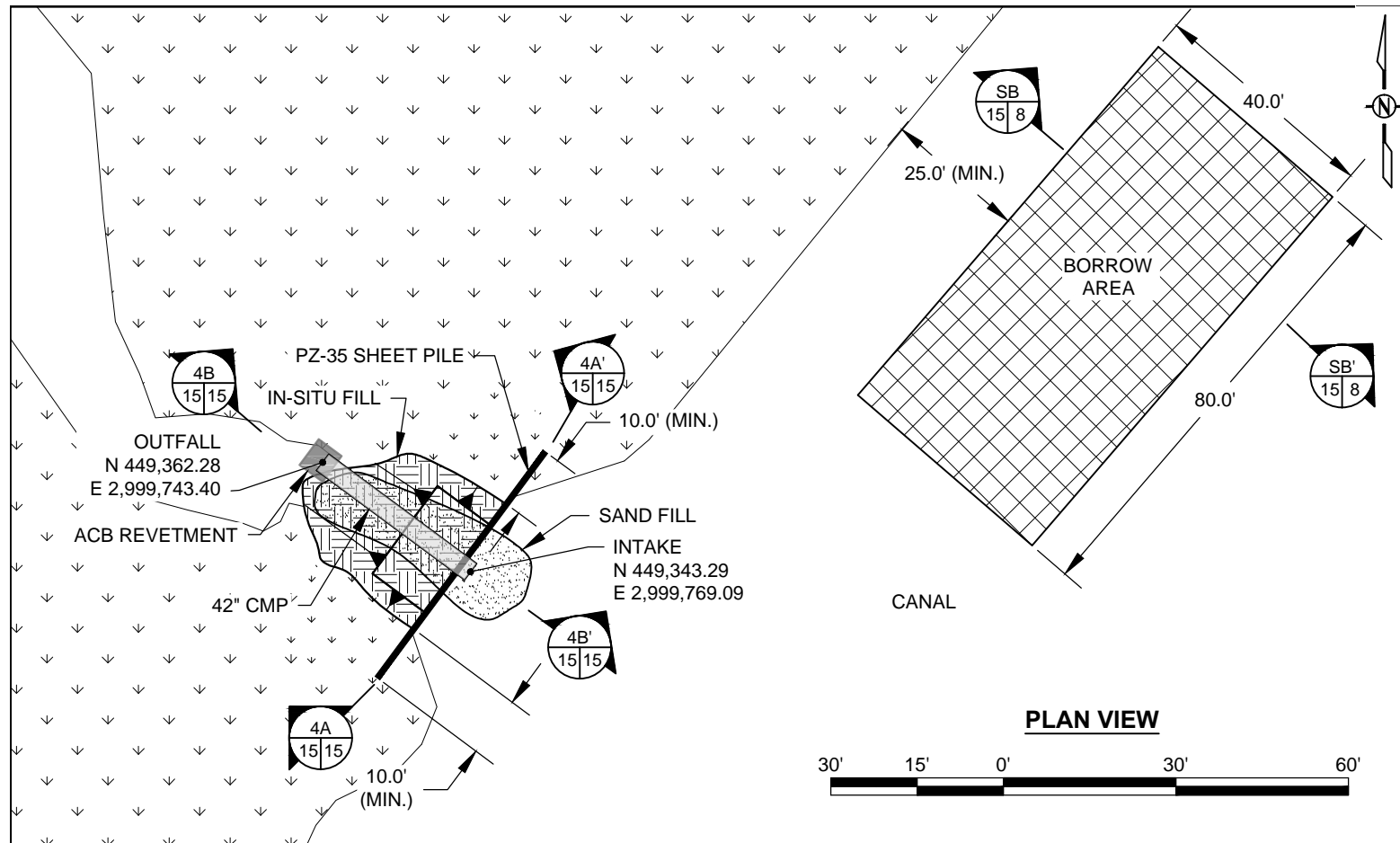


LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	BORROW AREA/DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION		WATER CONTROL STRUCTURE 3 PLUG PLAN, PROFILE, & SECTION	
		STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.	
FEDERAL PROJECT NUMBER: TV-63		SHEET 14 OF 46			



LEGEND

- EXISTING MARSH
- IN-SITU FILL
- SAND FILL
- DREDGE CUT
- CULVERT
- ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
- EXISTING GROUND
- CULVERT

NOTES:

1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

HORIZONTAL GRAPHIC SCALE

VERTICAL GRAPHIC SCALE

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

COLE'S BAYOU MARSH RESTORATION

STATE PROJECT NUMBER: TV-63

FEDERAL PROJECT NUMBER: TV-63

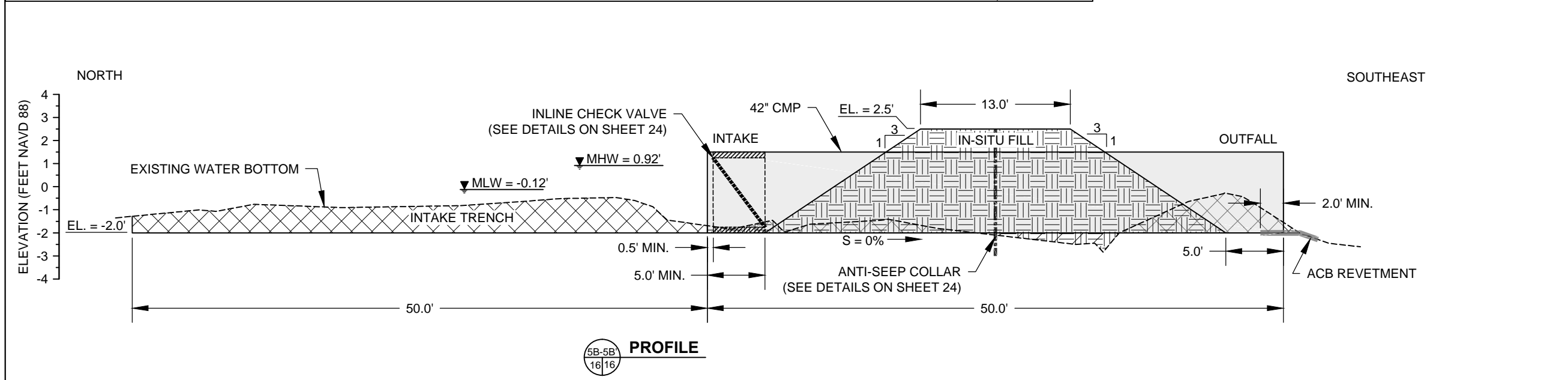
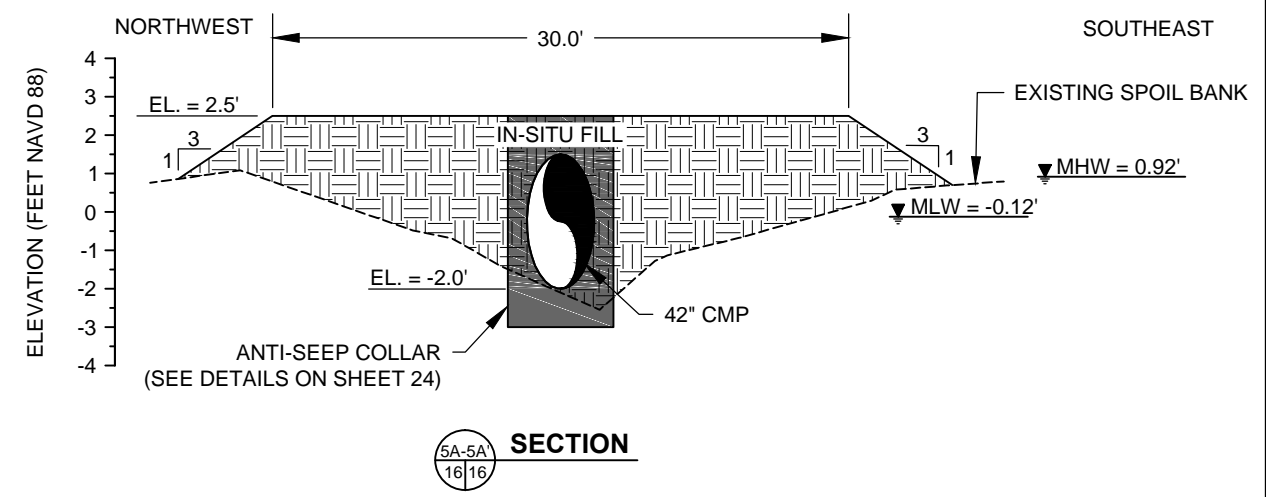
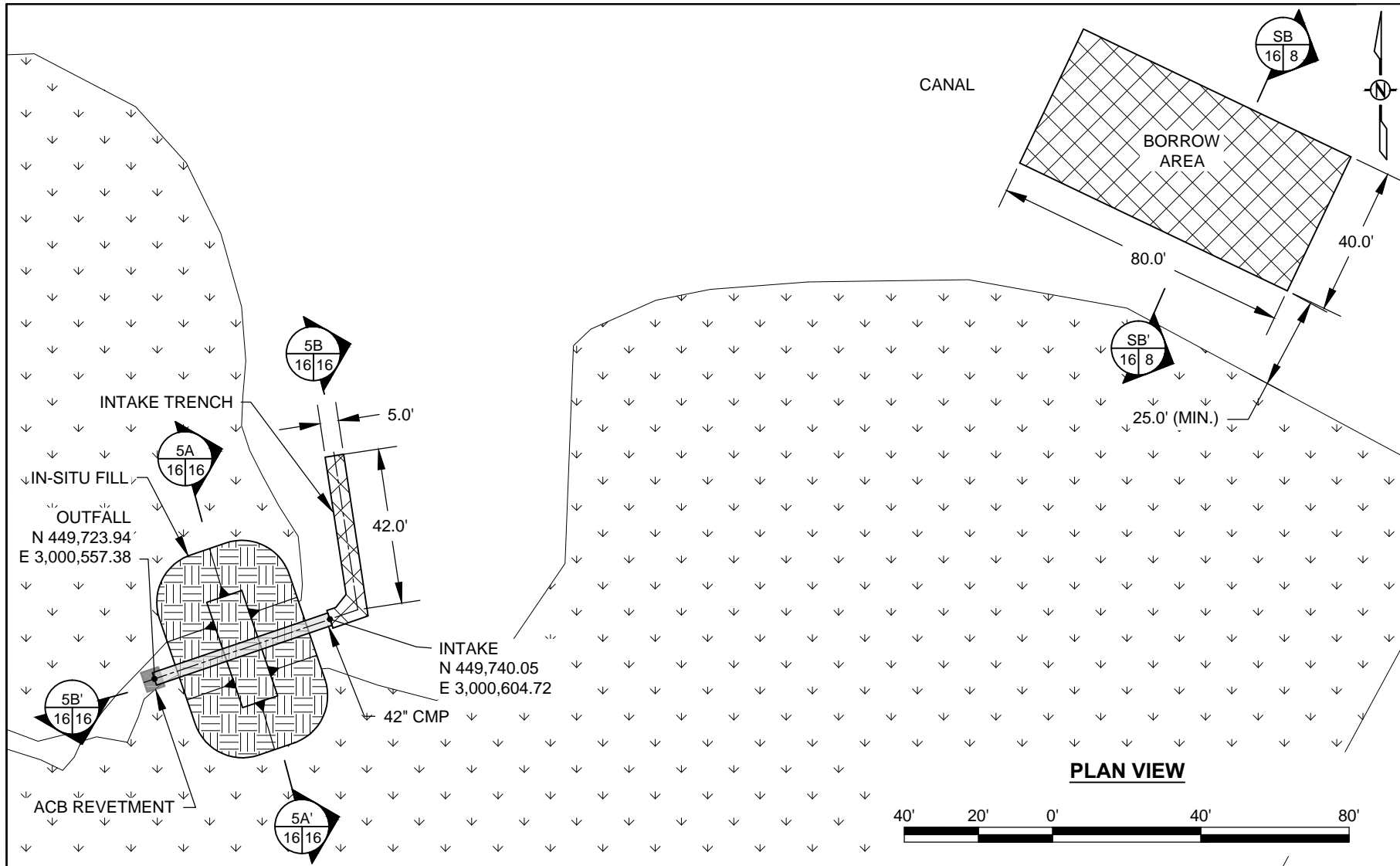
APPROVED BY: S. HAYNES, P.E.

WATER STRUCTURE 4
PLAN, PROFILE, & SECTION

DATE: SEPTEMBER 2015

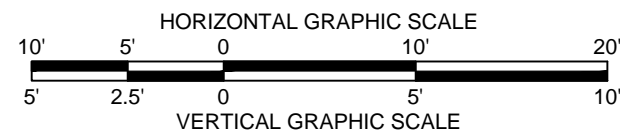
SHEET 15 OF 46

REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.



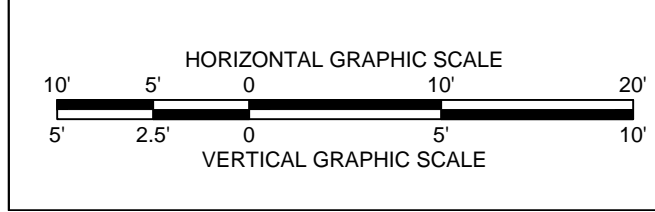
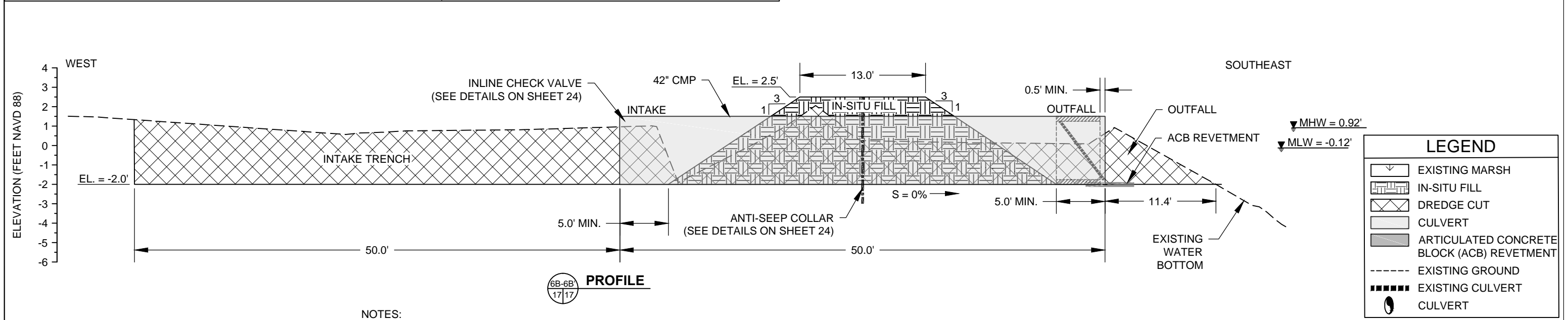
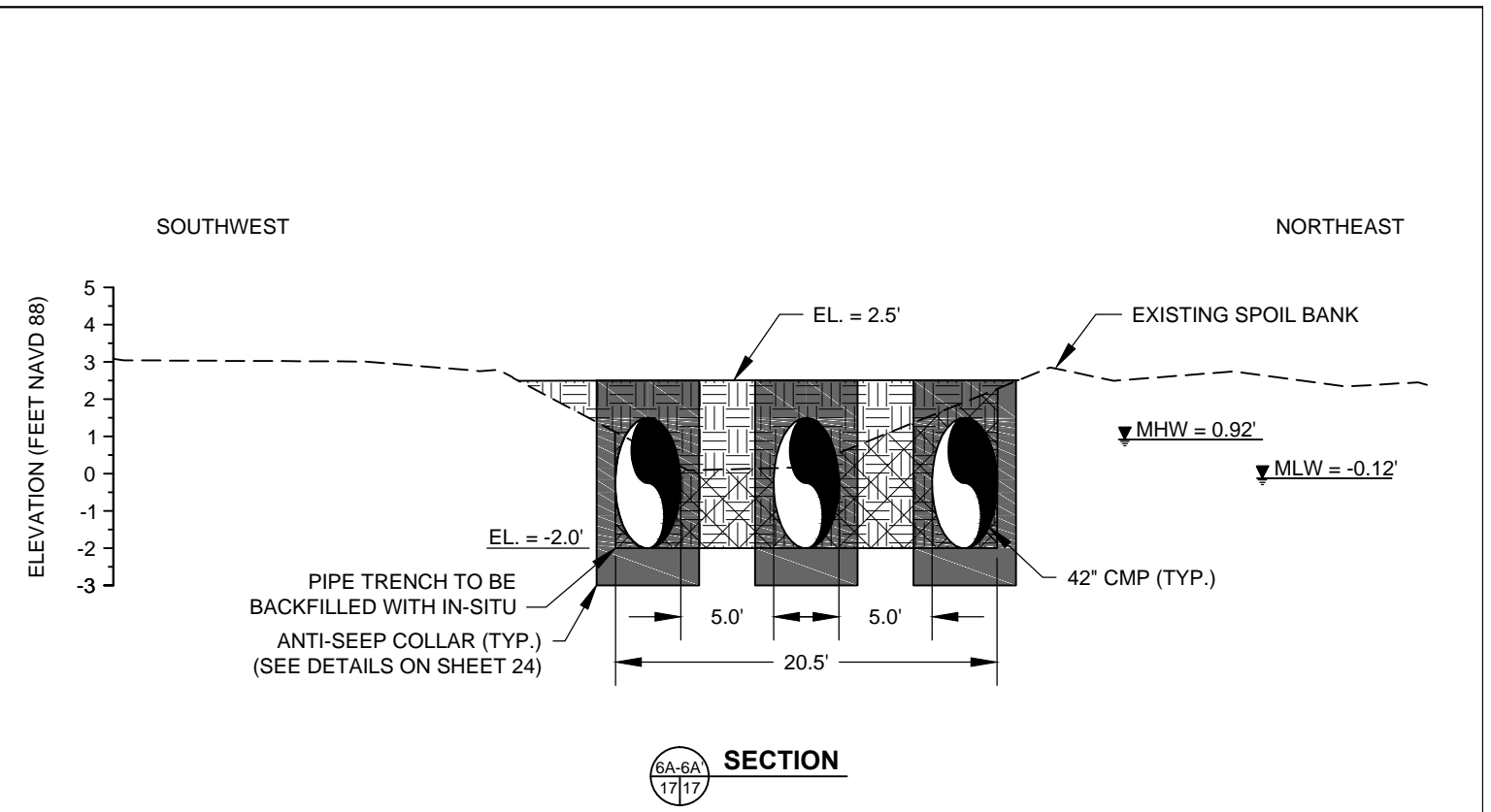
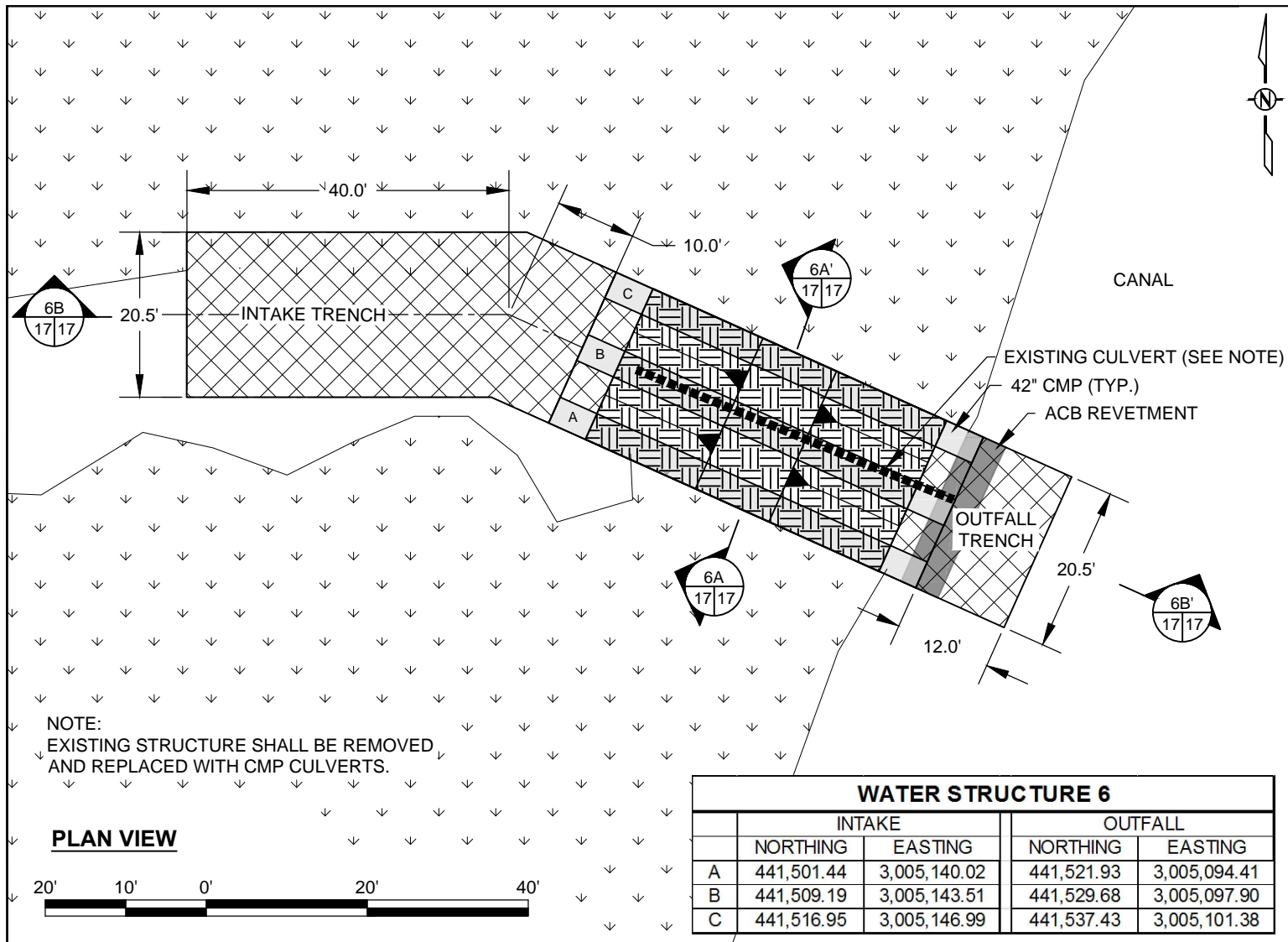
- NOTES:
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	SAND FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION	
		WATER STRUCTURE 5 PLAN, PROFILE, & SECTION	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	
		SHEET 16 OF 46	



- NOTES:**
- THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 - INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

REV.	DATE	DESCRIPTION	BY

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

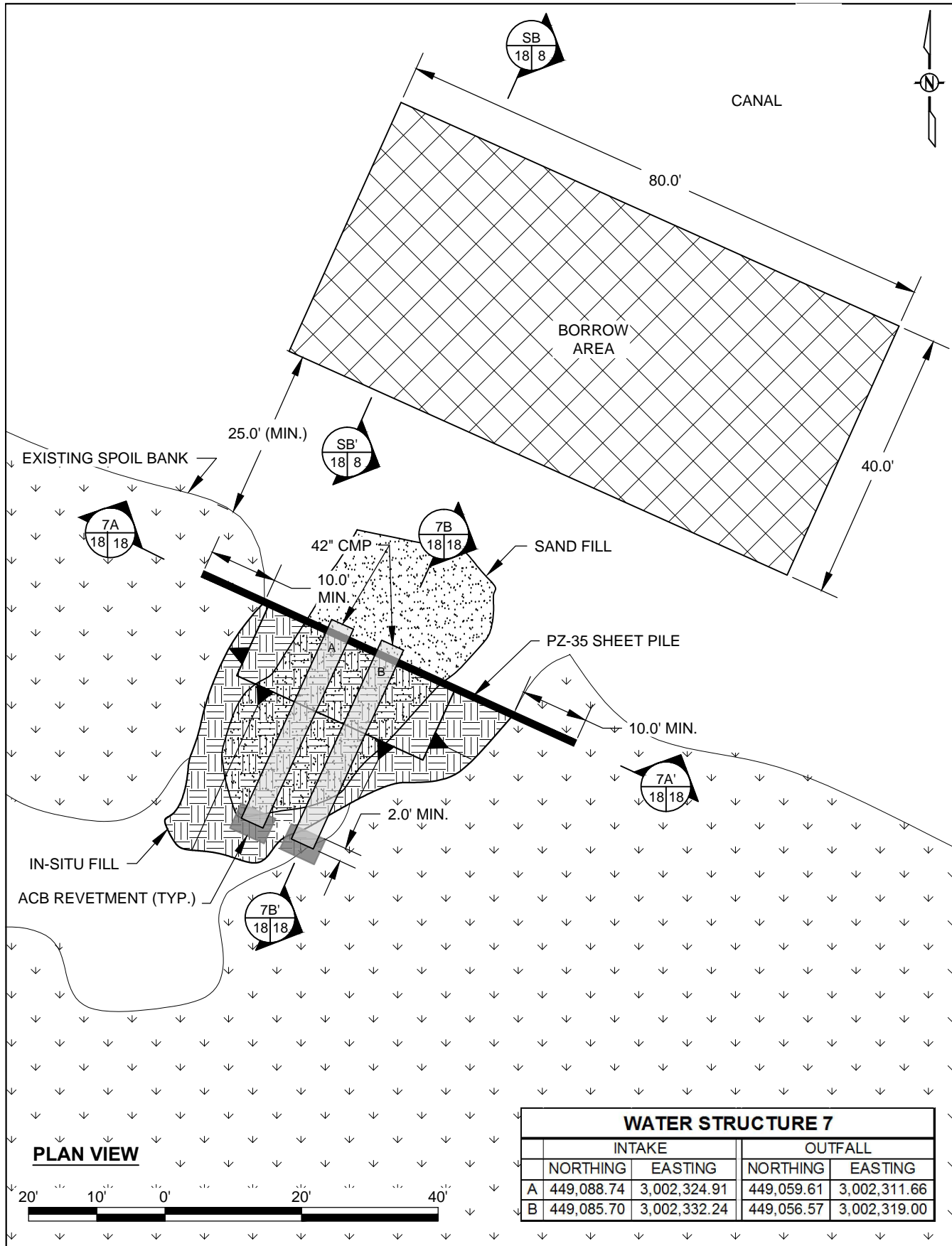
DRAWN BY: K. CANTU
DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION

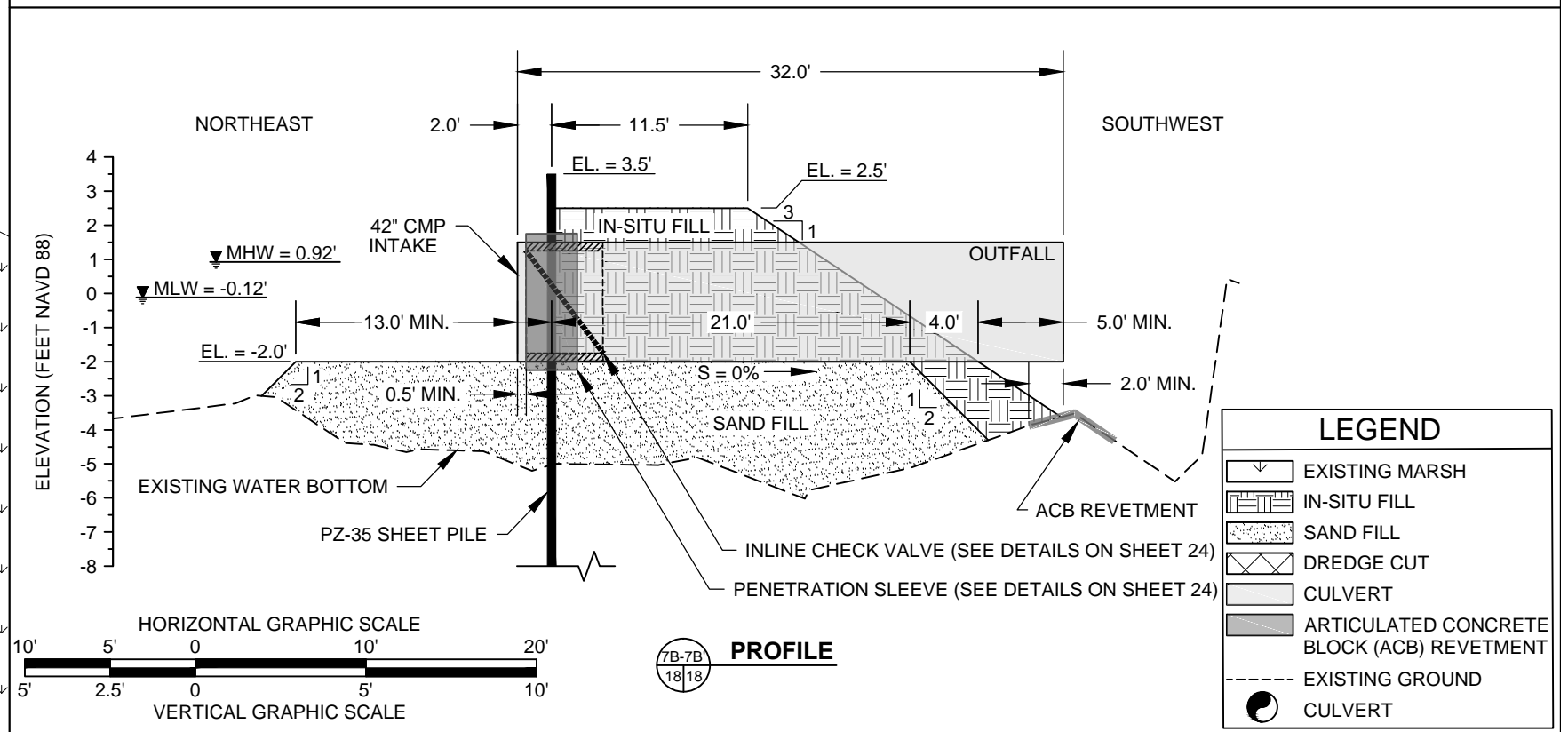
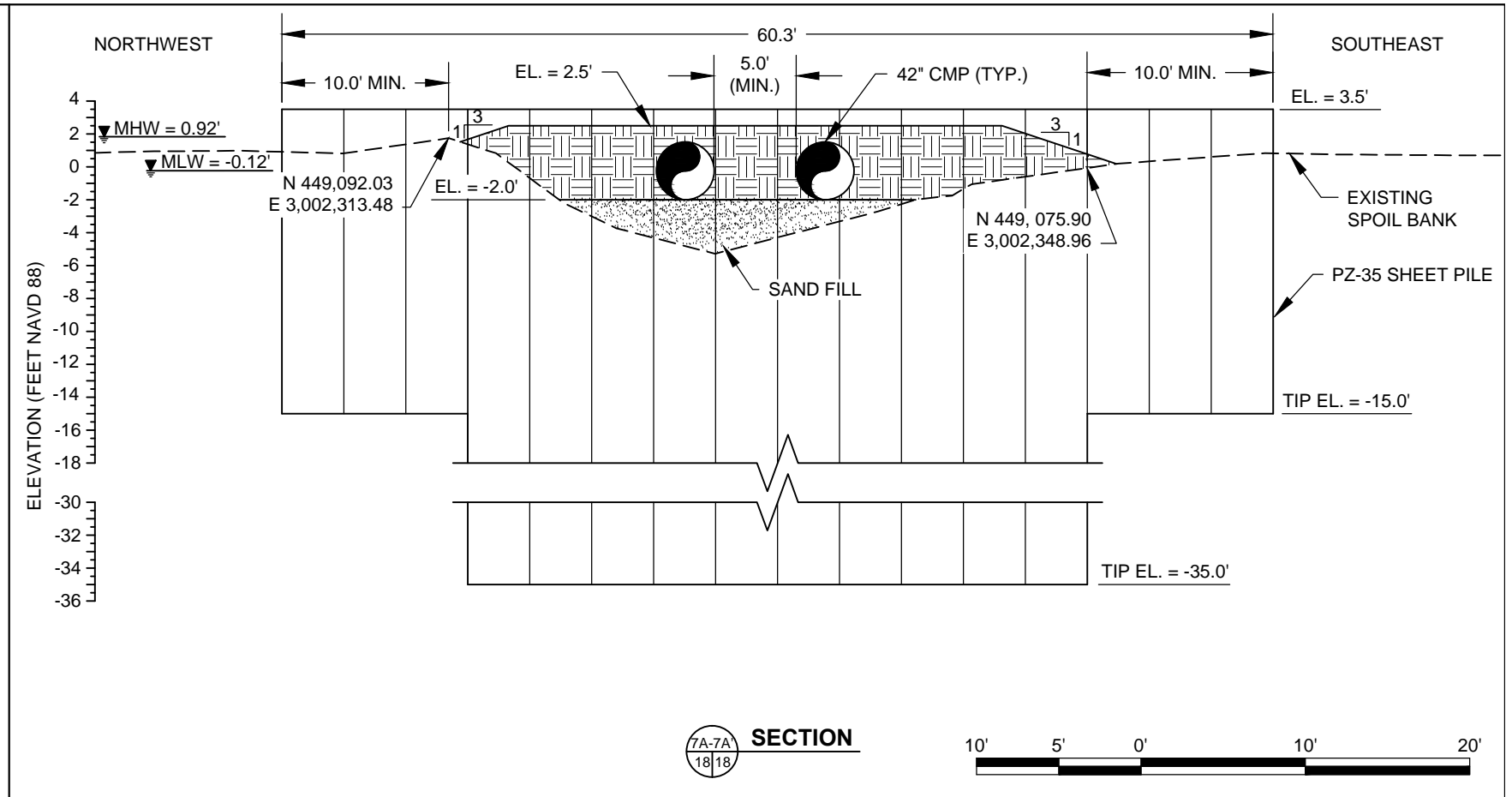
STATE PROJECT NUMBER: TV-63
FEDERAL PROJECT NUMBER: TV-63

APPROVED BY: S. HAYNES, P.E.

DATE: SEPTEMBER 2015
SHEET 17 OF 46



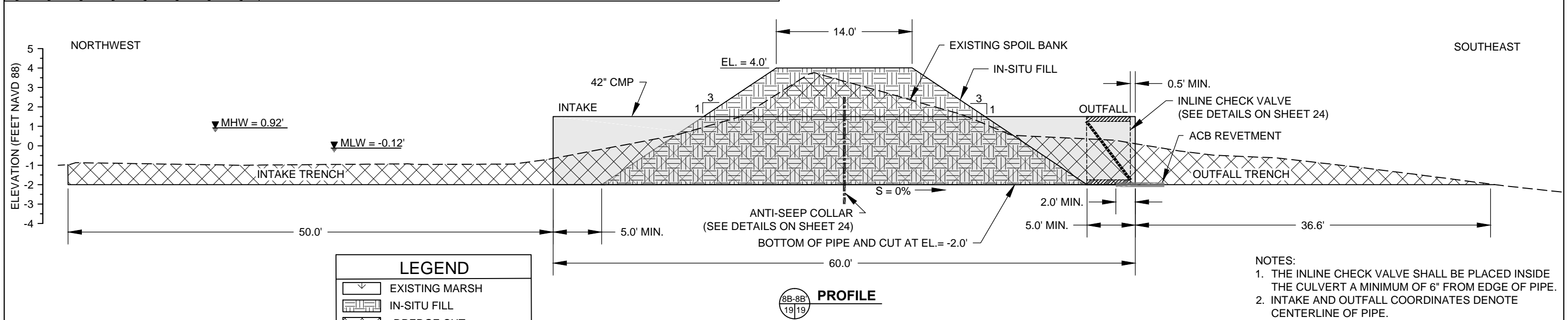
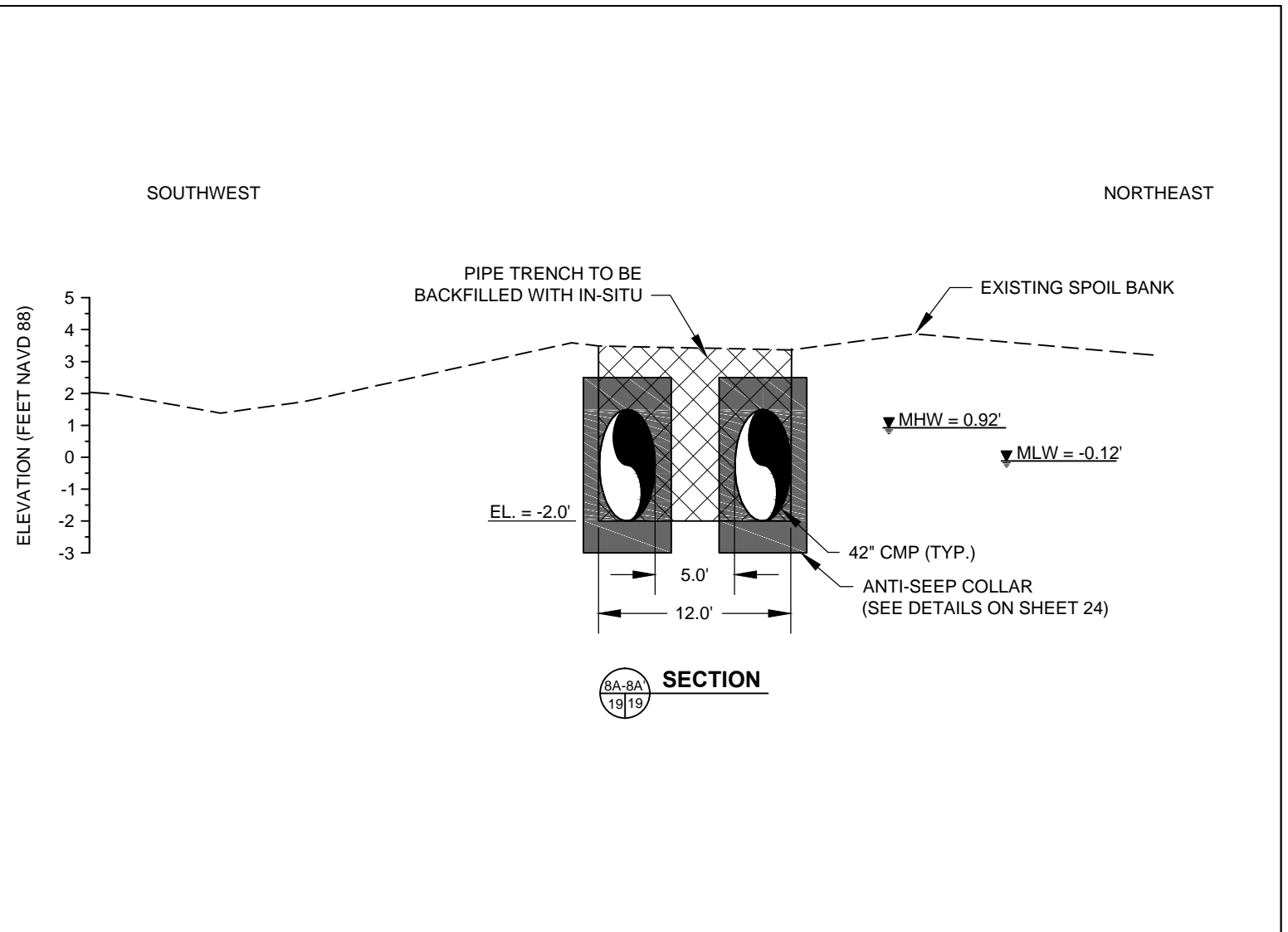
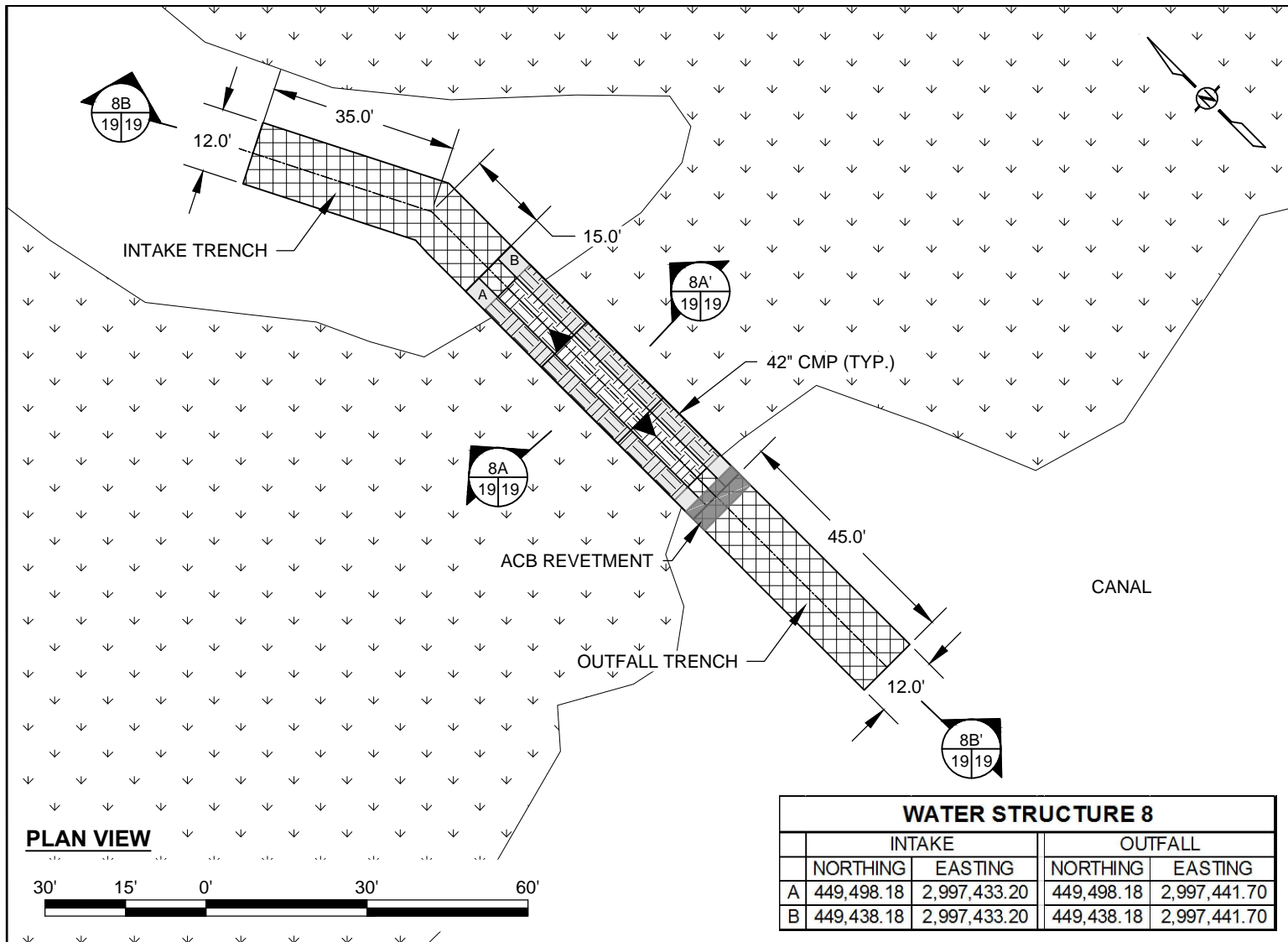
WATER STRUCTURE 7				
	INTAKE		OUTFALL	
	NORTHING	EASTING	NORTHING	EASTING
A	449,088.74	3,002,324.91	449,059.61	3,002,311.66
B	449,085.70	3,002,332.24	449,056.57	3,002,319.00



LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	SAND FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

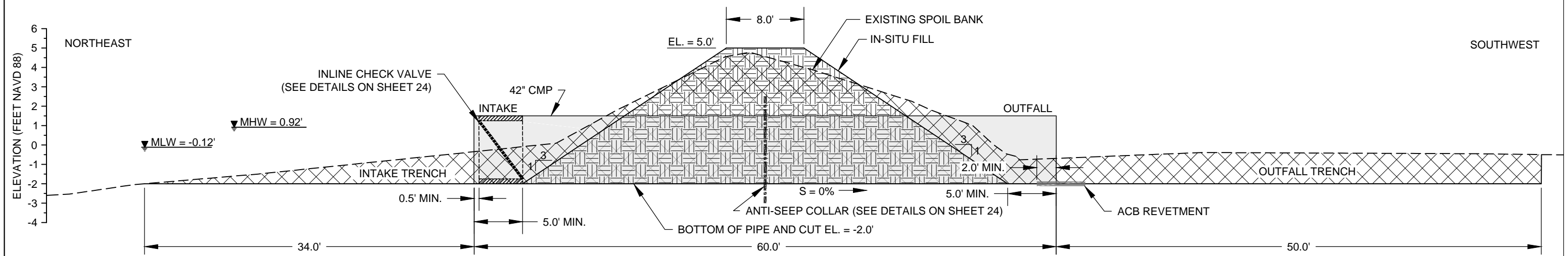
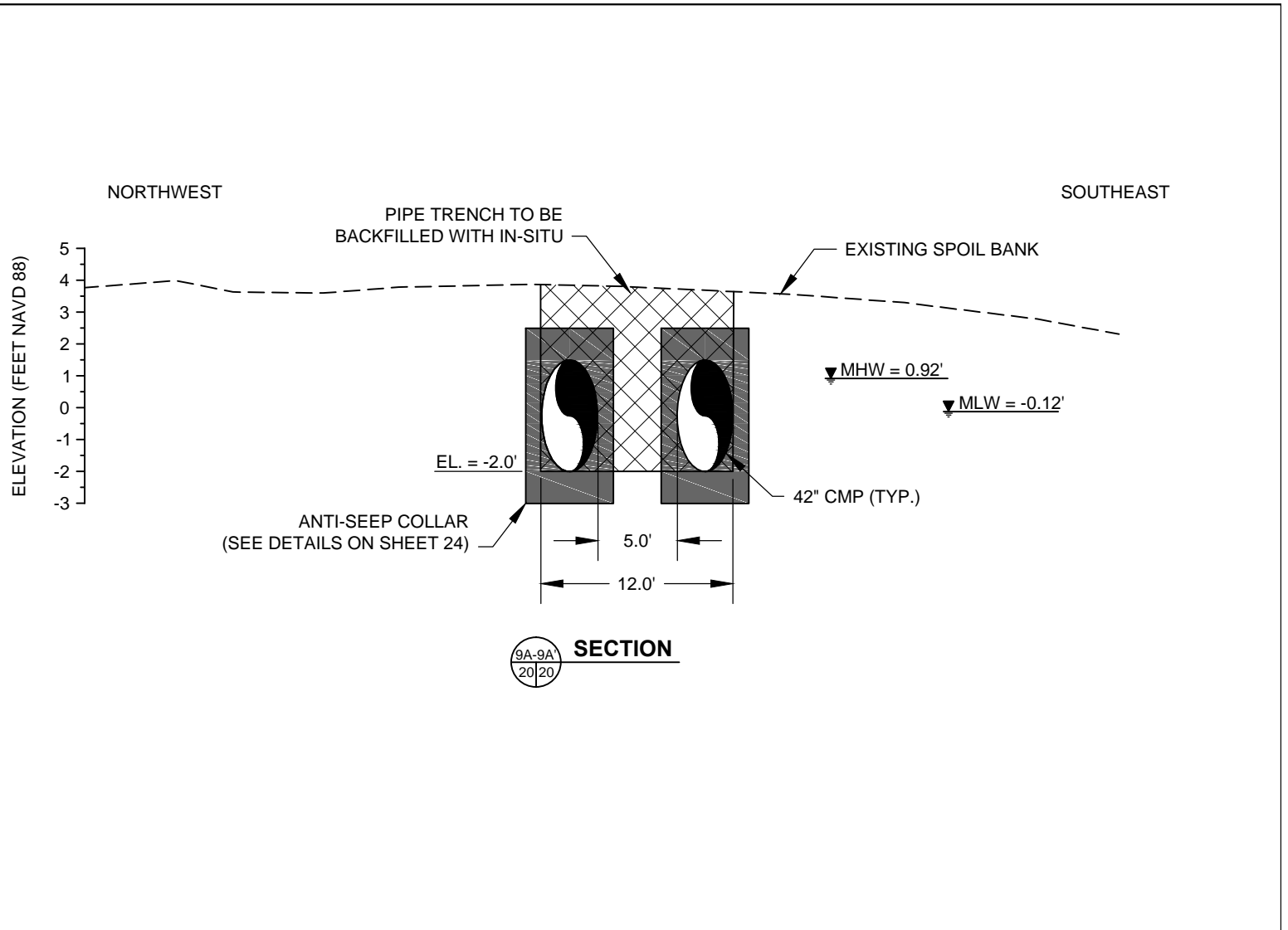
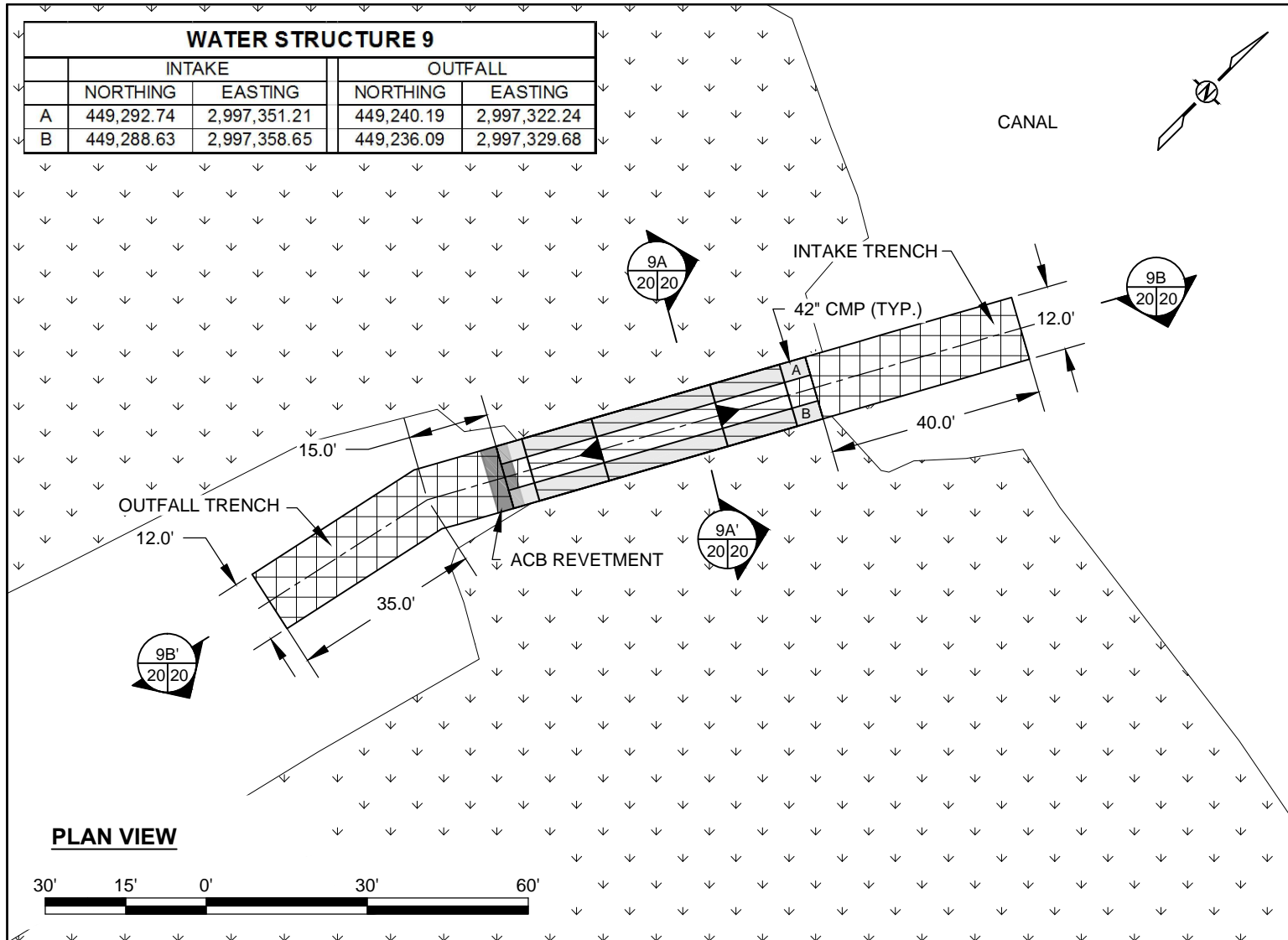
- NOTES:
- THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 - INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		WATER STRUCTURE 7 PLAN, PROFILE, & SECTION	
		STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
FEDERAL PROJECT NUMBER: TV-63		APPROVED BY: S. HAYNES, P.E.		SHEET 18 OF 46	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.

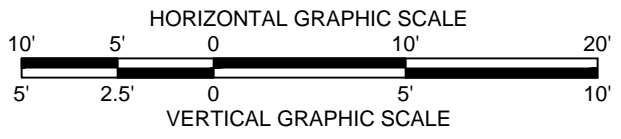


- NOTES:
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

<p>COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>				<p>COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION</p>		<p>WATER STRUCTURE 8 PLAN, PROFILE, & SECTION</p>	
				<p>STATE PROJECT NUMBER: TV-63</p>		<p>FEDERAL PROJECT NUMBER: TV-63</p>	
<p>REV. DATE DESCRIPTION BY</p>		<p>DRAWN BY: K. CANTU</p>		<p>DESIGNED BY: A. TAYLOR, E.I.</p>		<p>APPROVED BY: S. HAYNES, P.E.</p>	
<p>SHEET 19 OF 46</p>							



- NOTES:**
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.



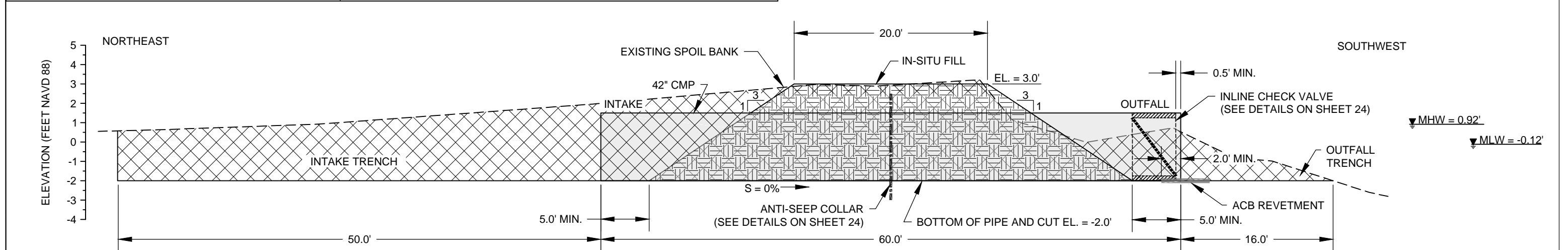
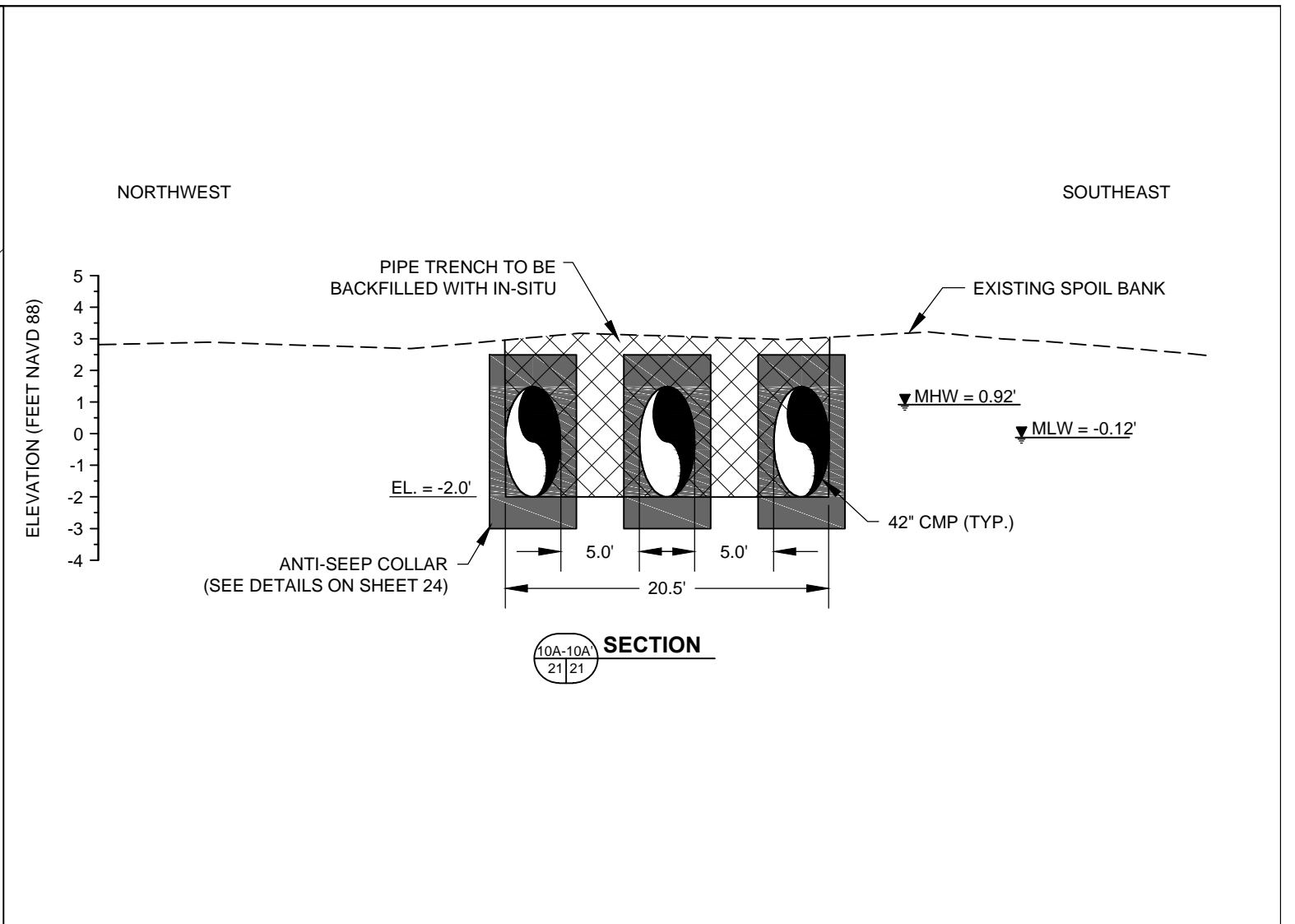
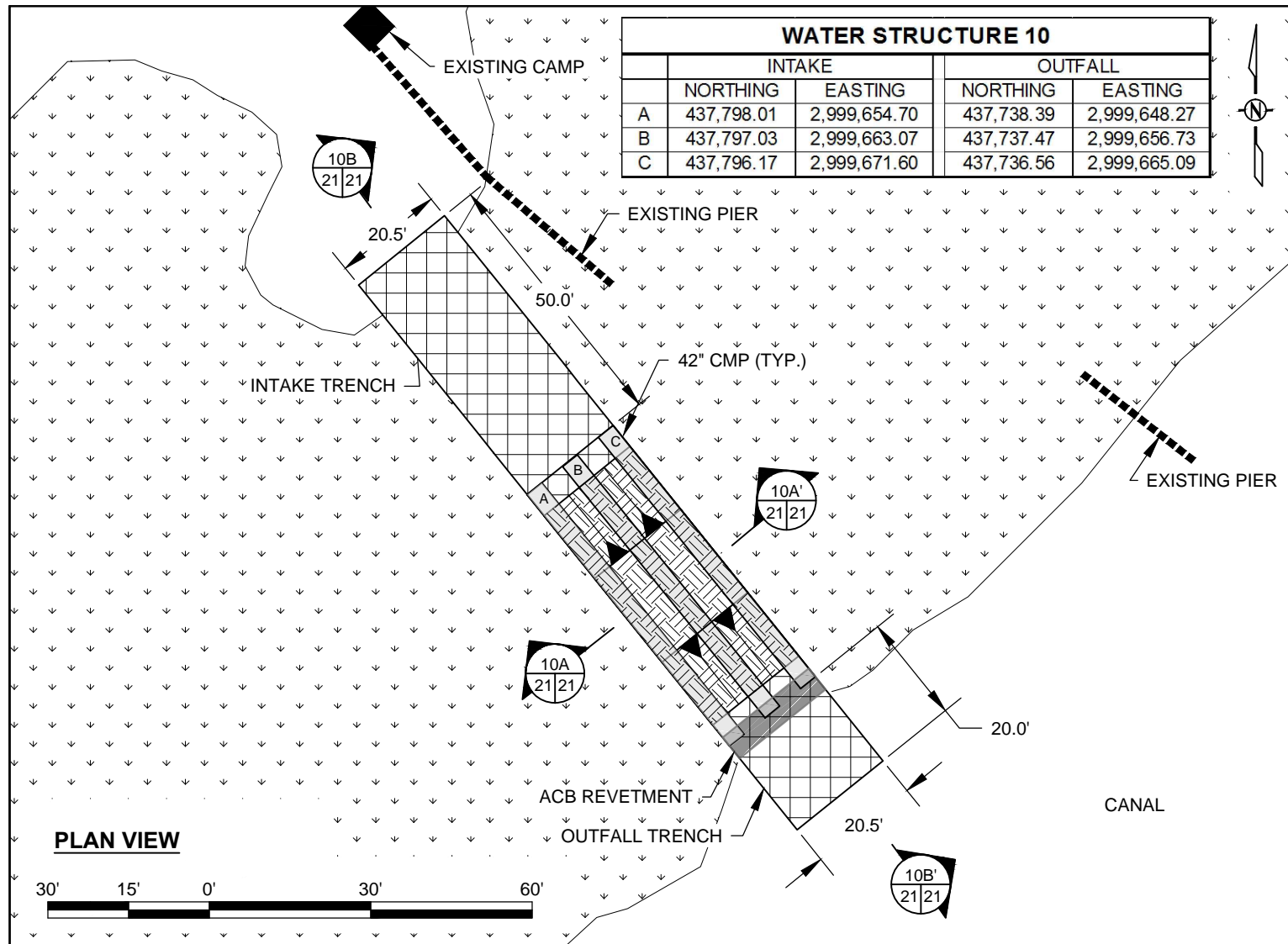
LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

REV.	DATE	DESCRIPTION	BY

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

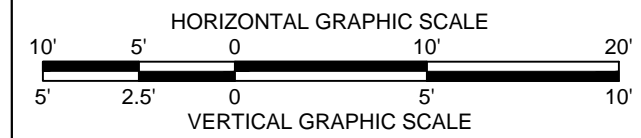
DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION		WATER STRUCTURE 9 PLAN, PROFILE, & SECTION	
STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
FEDERAL PROJECT NUMBER: TV-63		APPROVED BY: S. HAYNES, P.E.	
		SHEET 20 OF 46	



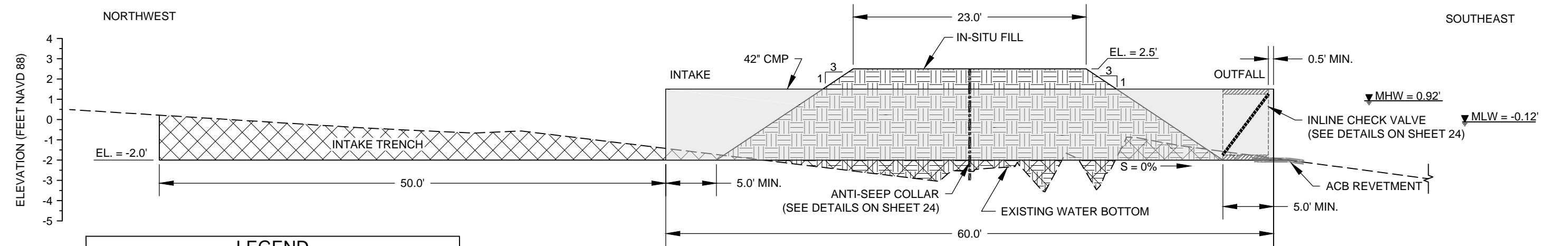
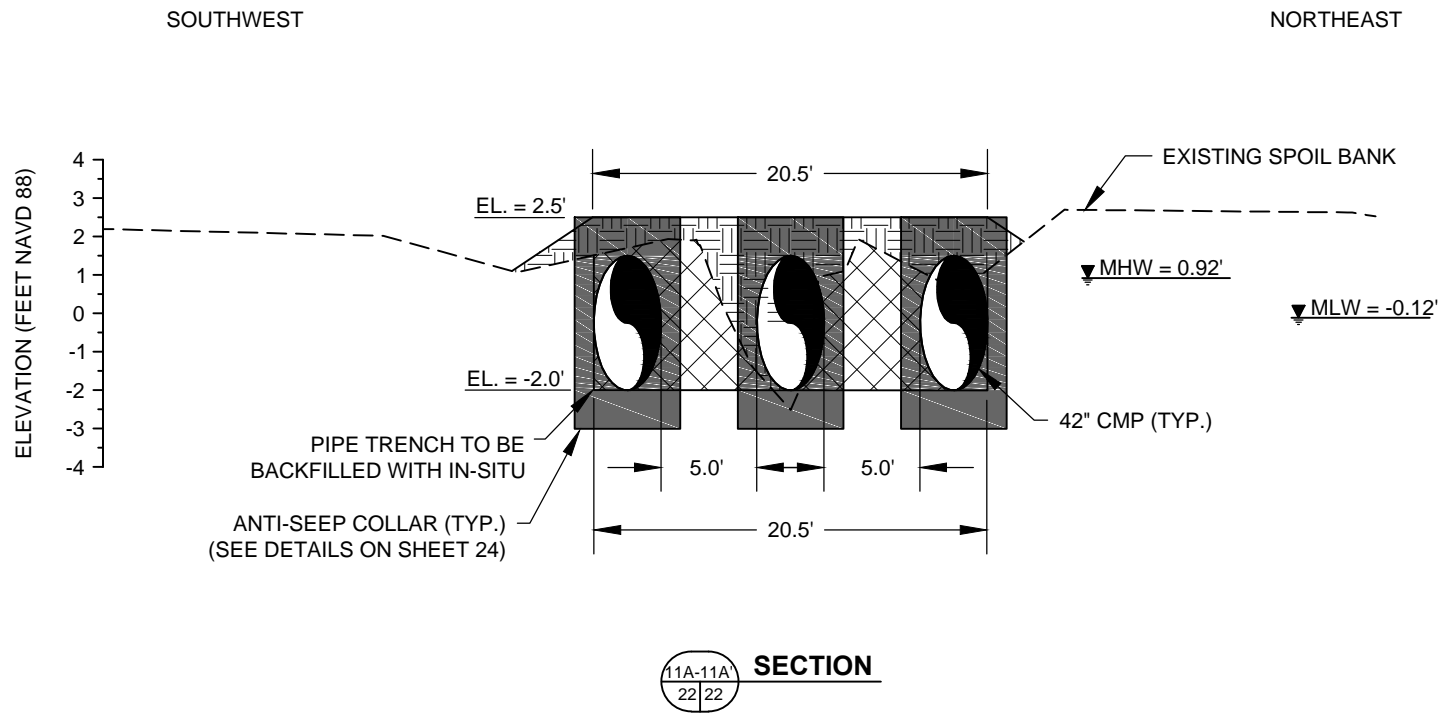
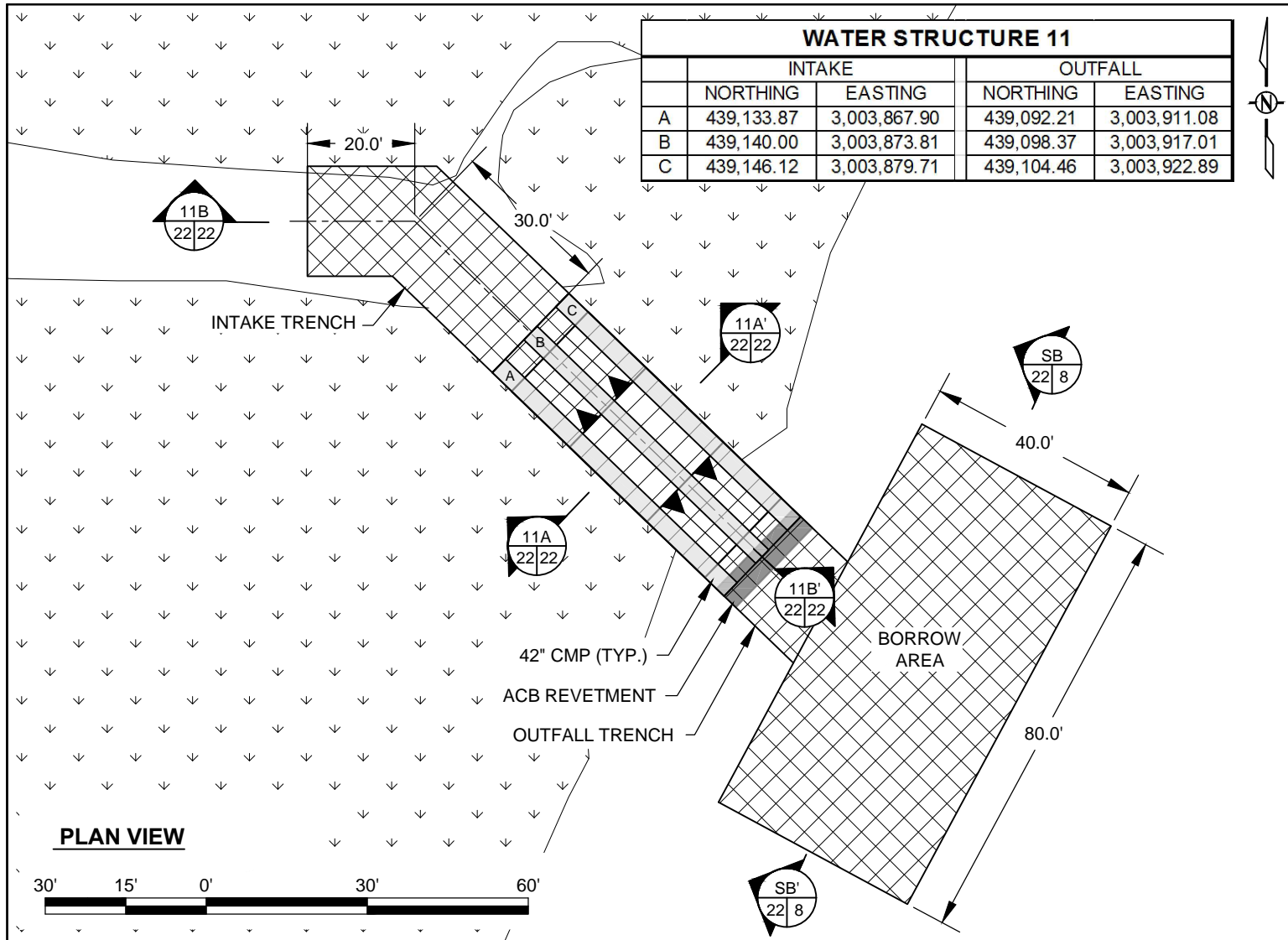
LEGEND

	EXISTING MARSH
	IN-SITU FILL
	DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

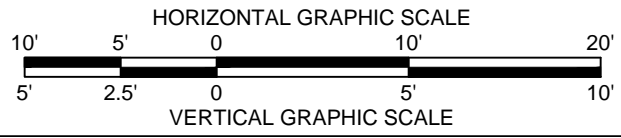


- NOTES:**
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801				COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION		WATER STRUCTURE 10 PLAN, PROFILE, & SECTION	
REV.				STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
DATE				FEDERAL PROJECT NUMBER: TV-63		APPROVED BY: S. HAYNES, P.E.	
DESCRIPTION				DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
BY				APPROVED BY: S. HAYNES, P.E.		SHEET 21 OF 46	

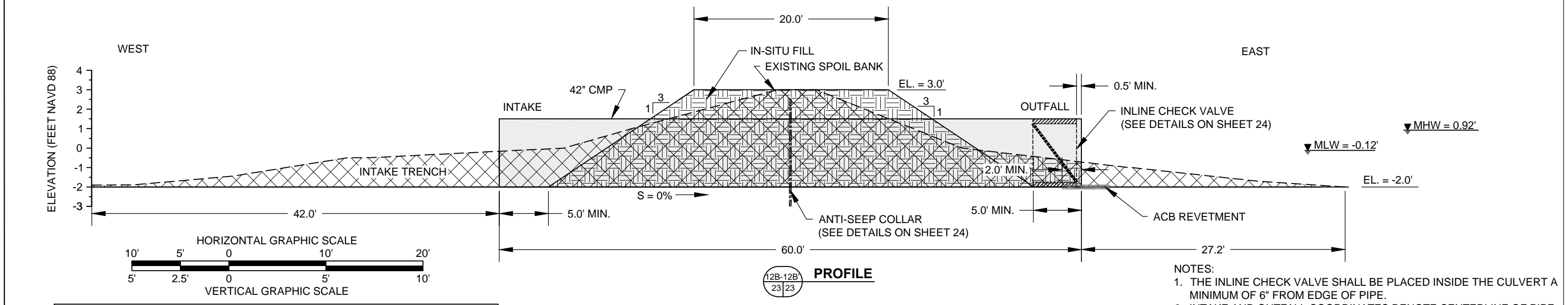
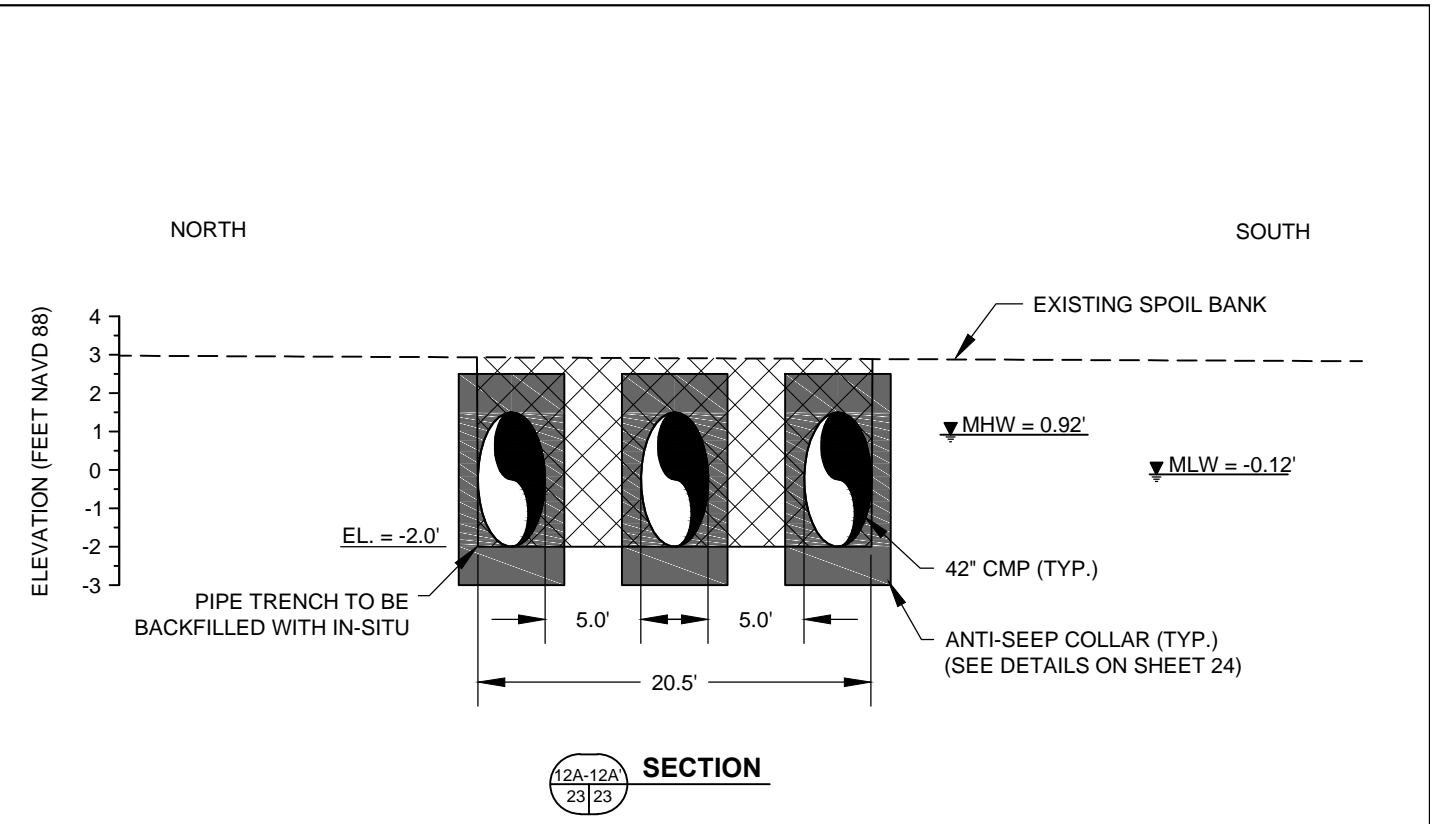
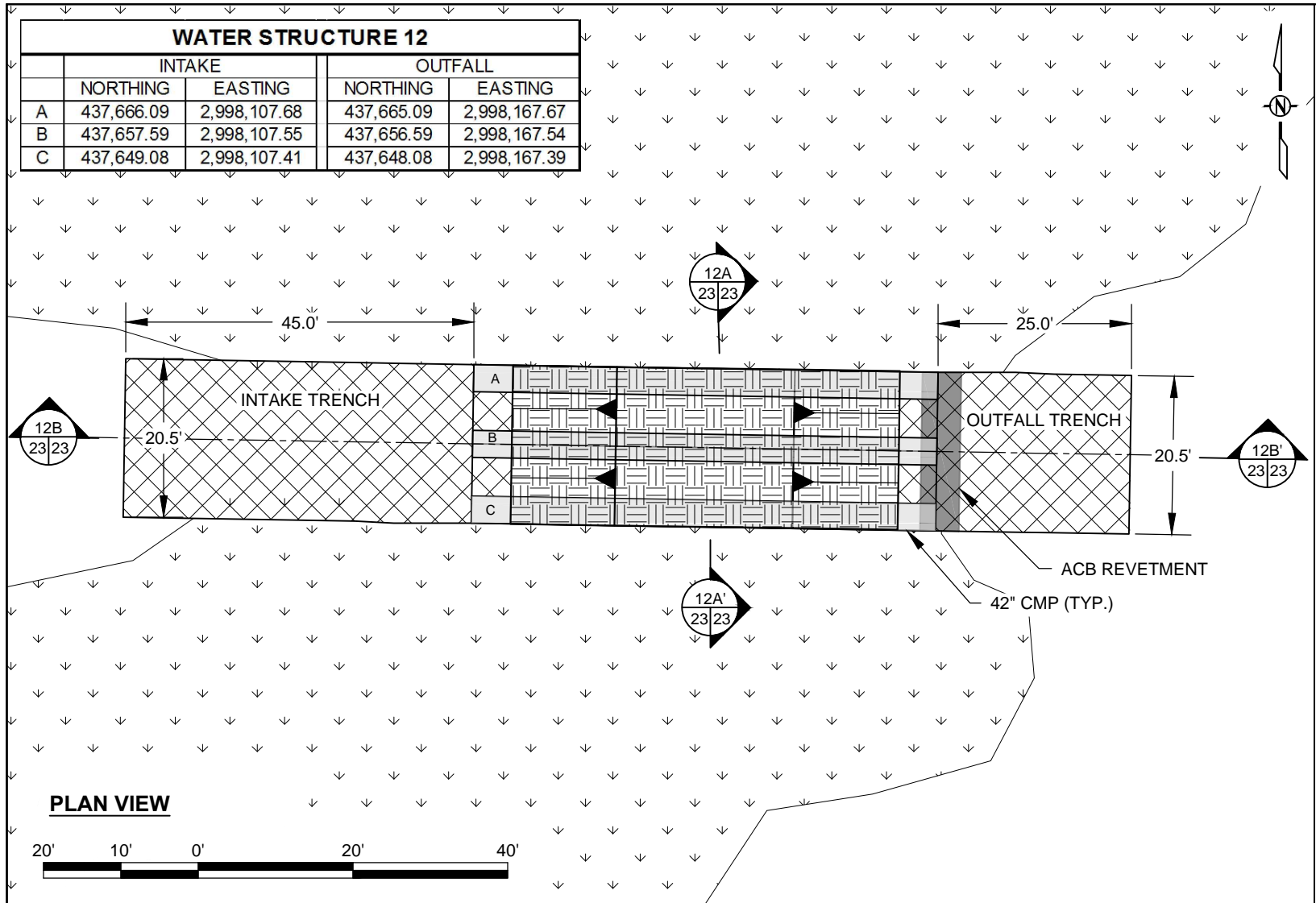


LEGEND			
	EXISTING MARSH		ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	IN-SITU FILL		EXISTING GROUND
	DREDGE CUT		CULVERT
	CULVERT		



- NOTES:
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

<p align="center">COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>				<p align="center">COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION</p>		<p align="center">WATER STRUCTURE 11 PLAN, PROFILE, & SECTION</p>	
				STATE PROJECT NUMBER: TV-63		FEDERAL PROJECT NUMBER: TV-63	
REV.	DATE	DESCRIPTION	BY	DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.	APPROVED BY: S. HAYNES, P.E.	SHEET 22 OF 46



- NOTES:**
1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
 2. INTAKE AND OUTFALL COORDINATES DENOTE CENTERLINE OF PIPE.

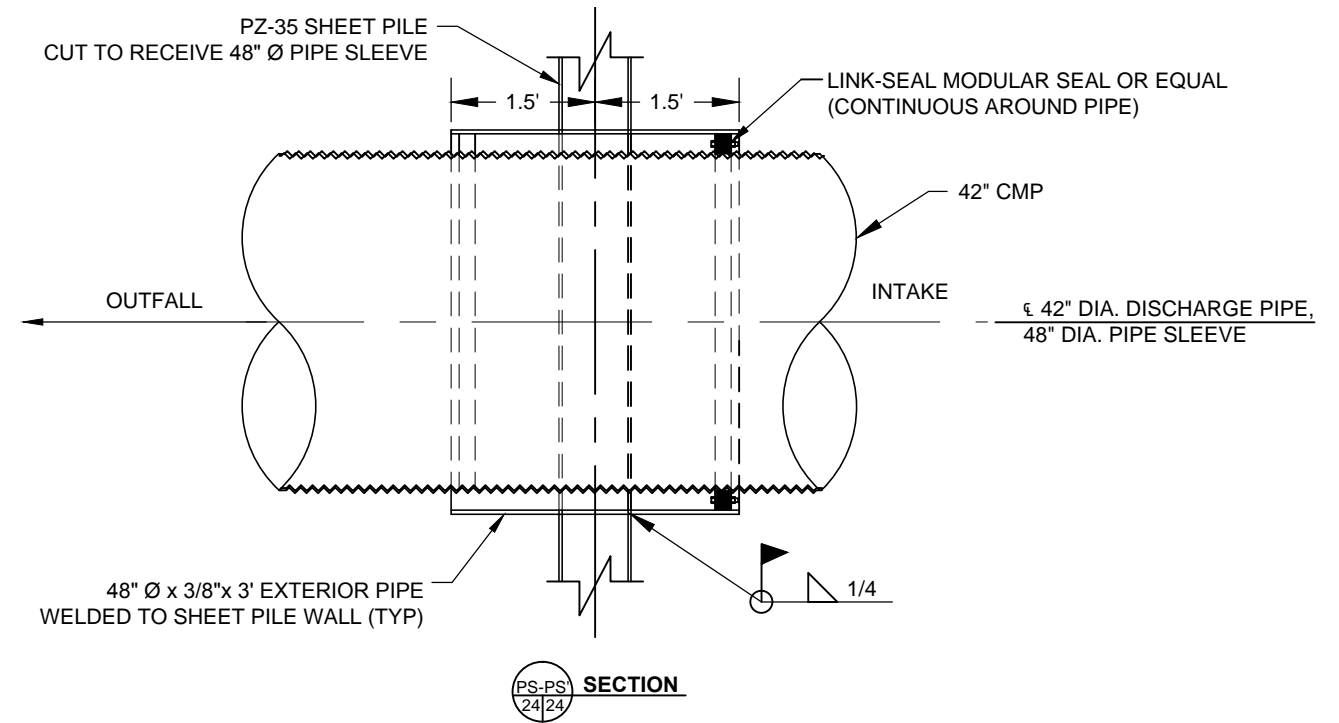
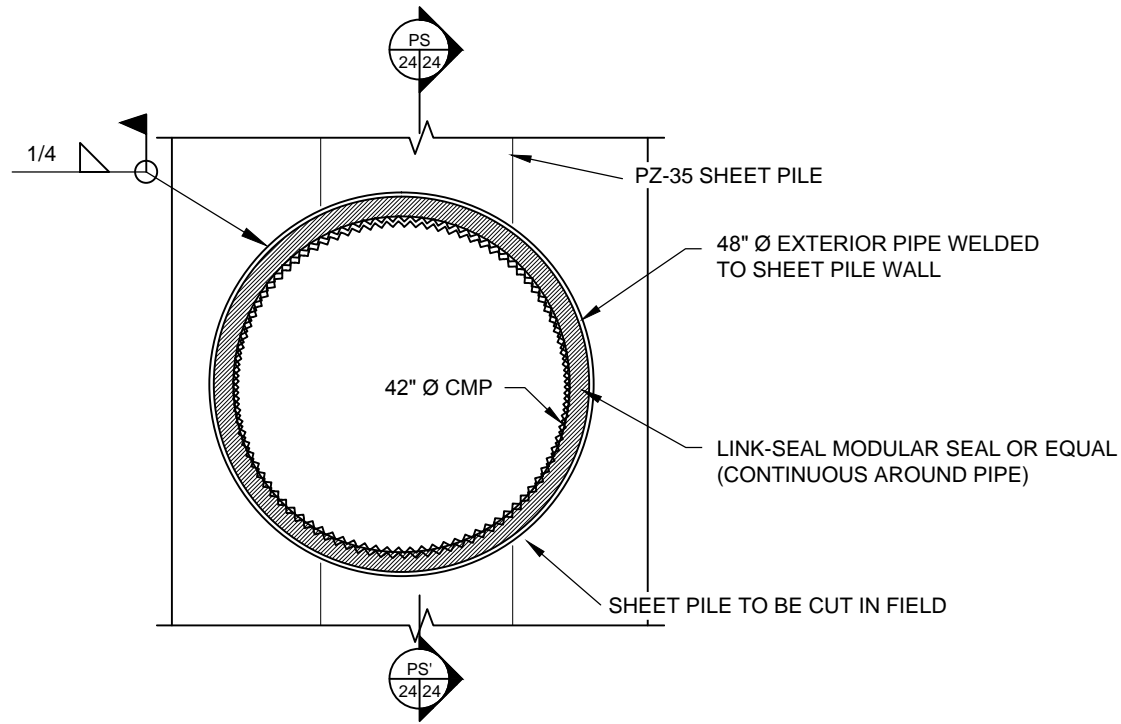
LEGEND	
	EXISTING MARSH
	IN-SITU FILL
	SAND FILL
	CULVERT/OUTFALL DREDGE CUT
	CULVERT
	ARTICULATED CONCRETE BLOCK (ACB) REVETMENT
	EXISTING GROUND
	CULVERT

REV.	DATE	DESCRIPTION	BY

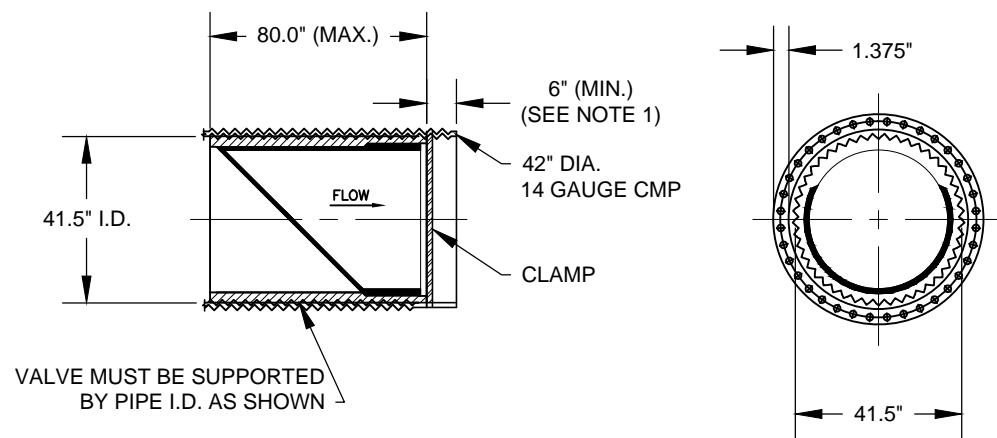
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

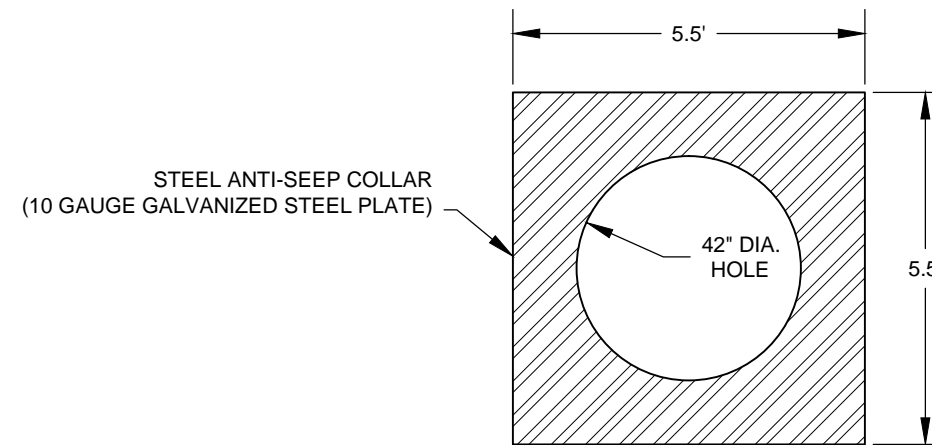
COLE'S BAYOU MARSH CREATION AND HYDROLOGICAL RESTORATION		WATER STRUCTURE 12 PLAN, PROFILE, & SECTION
STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015
FEDERAL PROJECT NUMBER: TV-63		APPROVED BY: S. HAYNES, P.E.
APPROVED BY: S. HAYNES, P.E.		SHEET 23 OF 46



PENETRATION SLEEVE
SCALE: 1/2" = 1'-0"



42" INLINE CHECK VALVE
N.T.S



ANTI-SEEP COLLAR

NOTES:

1. THE INLINE CHECK VALVE SHALL BE PLACED INSIDE THE CULVERT A MINIMUM OF 6" FROM EDGE OF PIPE.
2. TIDEFLEX CHECKMATE VALVE OR APPROVED EQUAL.

				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		DETAILS	
						STATE PROJECT NUMBER: TV-63			
						FEDERAL PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
				DRAWN BY: K. CANTU		APPROVED BY: S. HAYNES, P.E.		SHEET 24 OF 46	
REV.	DATE	DESCRIPTION	BY	DESIGNED BY: A. TAYLOR, E.I.					

SETTLEMENT PLATE COORDINATES		
	NORTHING	EASTING
SP-1	451,655.80	2,997,106.64
SP-2	452,160.14	2,998,519.67
SP-3	448,931.05	2,995,046.62
SP-4	448,128.78	2,996,010.04
SP-5	443,344.39	3,001,297.98
SP-6	443,618.28	2,999,804.81
SP-7	442,678.16	2,994,771.76
SP-8	444,342.97	2,993,784.37



LEGEND	
---	SURVEY TRANSECT
— PL —	VERIFIED PIPELINE
- - - - -	UNVERIFIED PIPELINE
●	SOIL BORING
△	SECONDARY MONUMENT
⊠	SETTLEMENT PLATE

NOTE:
A MAGNETOMETER SURVEY SHALL BE CONDUCTED ACCORDING TO THE SPECIFICATIONS PRIOR TO MOBILIZATION OF THE DREDGE.

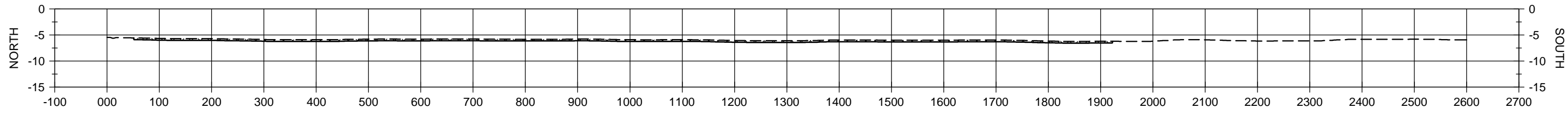


REV.	DATE	DESCRIPTION	BY

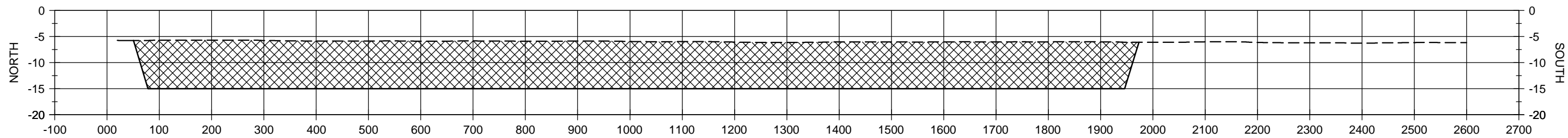
COASTAL PROTECTION AND RESTORATION AUTHORITY	
450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION	
STATE PROJECT NUMBER: TV-63	FEDERAL PROJECT NUMBER: TV-63
APPROVED BY: S. HAYNES, P.E.	

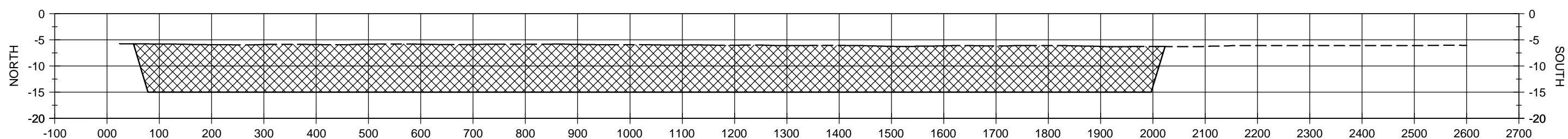
CONSTRUCTION SURVEY LAYOUT	
DATE: SEPTEMBER 2015	
SHEET 25 OF 46	



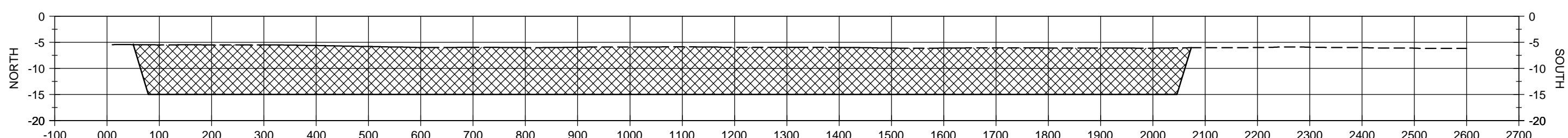
BA-1





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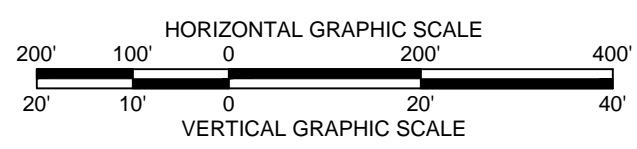


BA-3



BA-4

LEGEND	
	BORROW AREA
	EXISTING WATER BOTTOM



REV.	DATE	DESCRIPTION	BY

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

DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

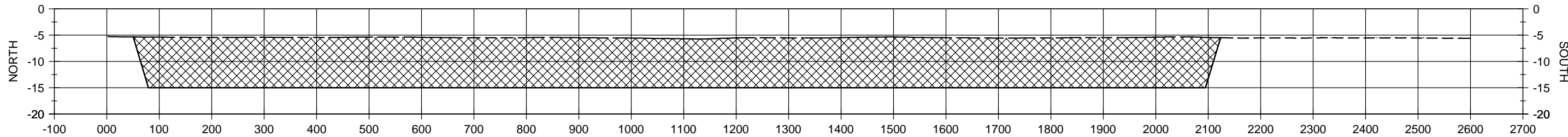
COLE'S BAYOU
MARSH RESTORATION

STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63

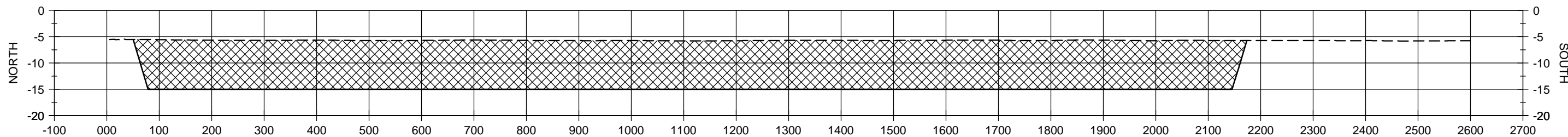
APPROVED BY: S. HAYNES, P.E.

BORROW AREA
SECTIONS

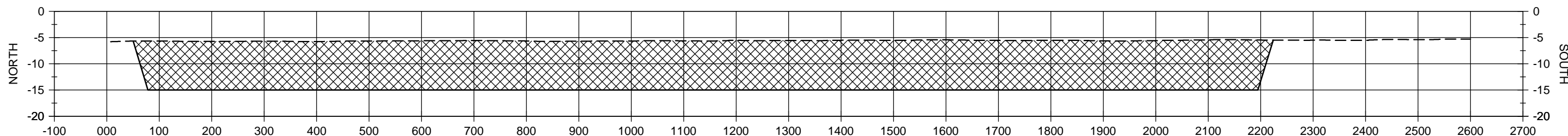
DATE: SEPTEMBER 2015
 SHEET 27 OF 46



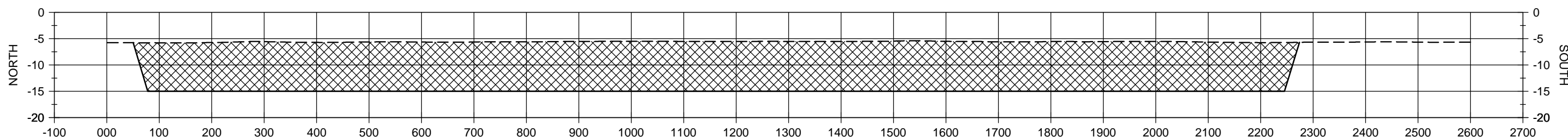
BA-5



BA-6

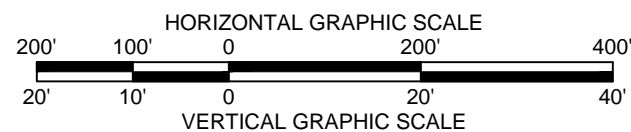


BA-7



BA-8

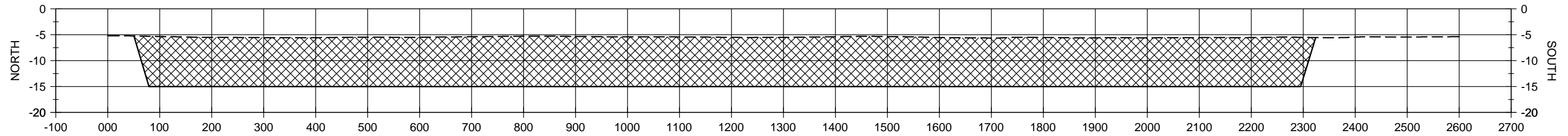
LEGEND	
	BORROW AREA
	EXISTING WATER BOTTOM



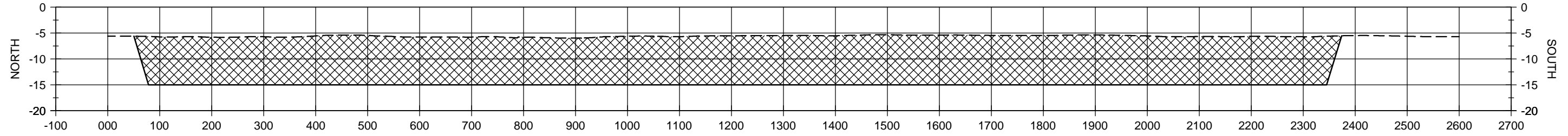
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION	
		STATE PROJECT NUMBER: TV-63	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	

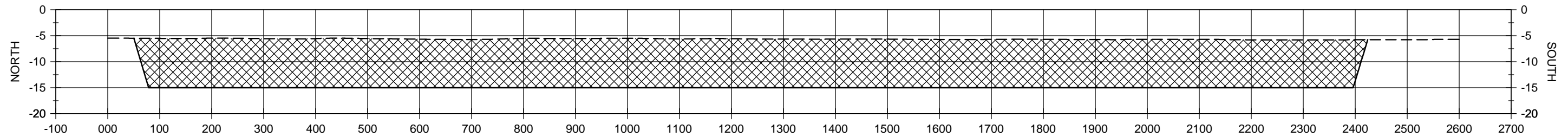
FEDERAL PROJECT NUMBER: TV-63		BORROW AREA SECTIONS
APPROVED BY: S. HAYNES, P.E.		
SHEET 28 OF 46		DATE: SEPTEMBER 2015



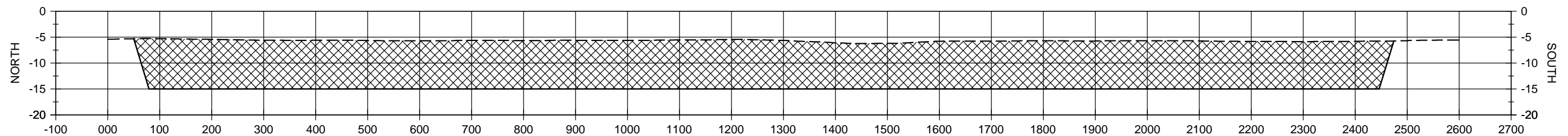
BA-9



BA-10

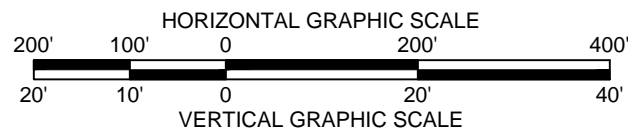


BA-11



BA-12

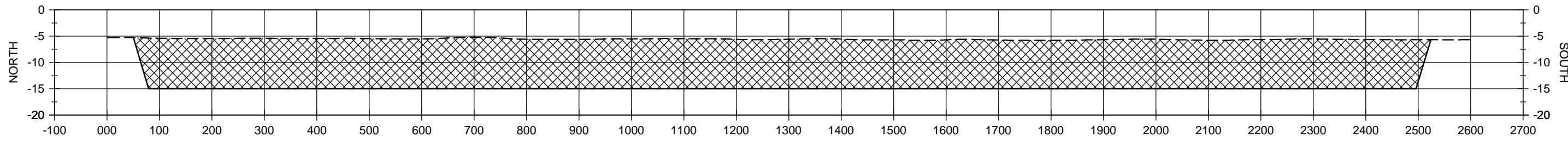
LEGEND	
	BORROW AREA
	EXISTING WATER BOTTOM



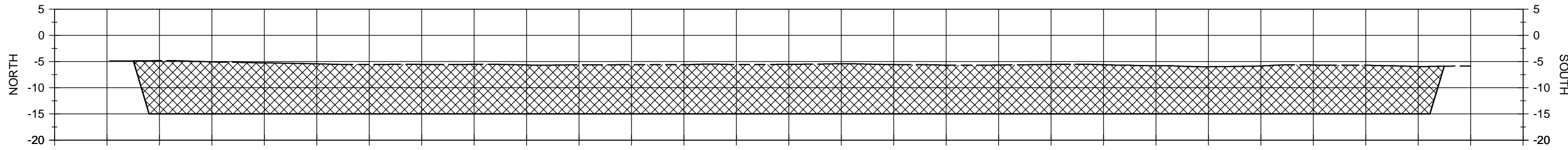
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION	
		STATE PROJECT NUMBER: TV-63	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	

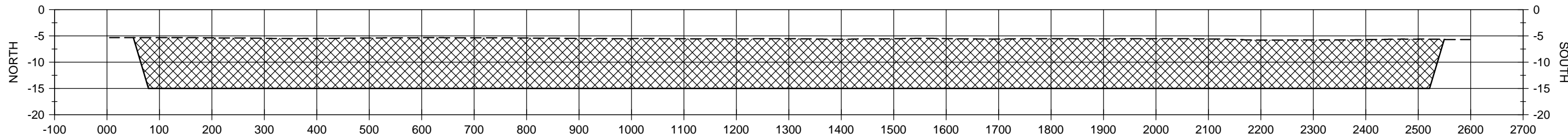
FEDERAL PROJECT NUMBER: TV-63		BORROW AREA SECTIONS
APPROVED BY: S. HAYNES, P.E.		
SHEET 29 OF 46		



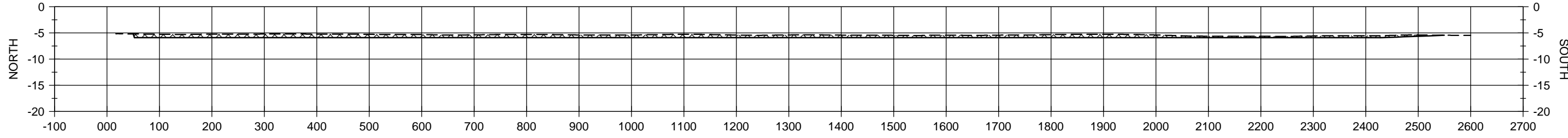
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
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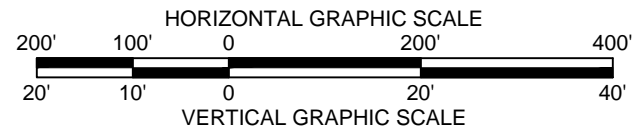


BA-15



BA-16

LEGEND	
	BORROW AREA
	EXISTING WATER BOTTOM



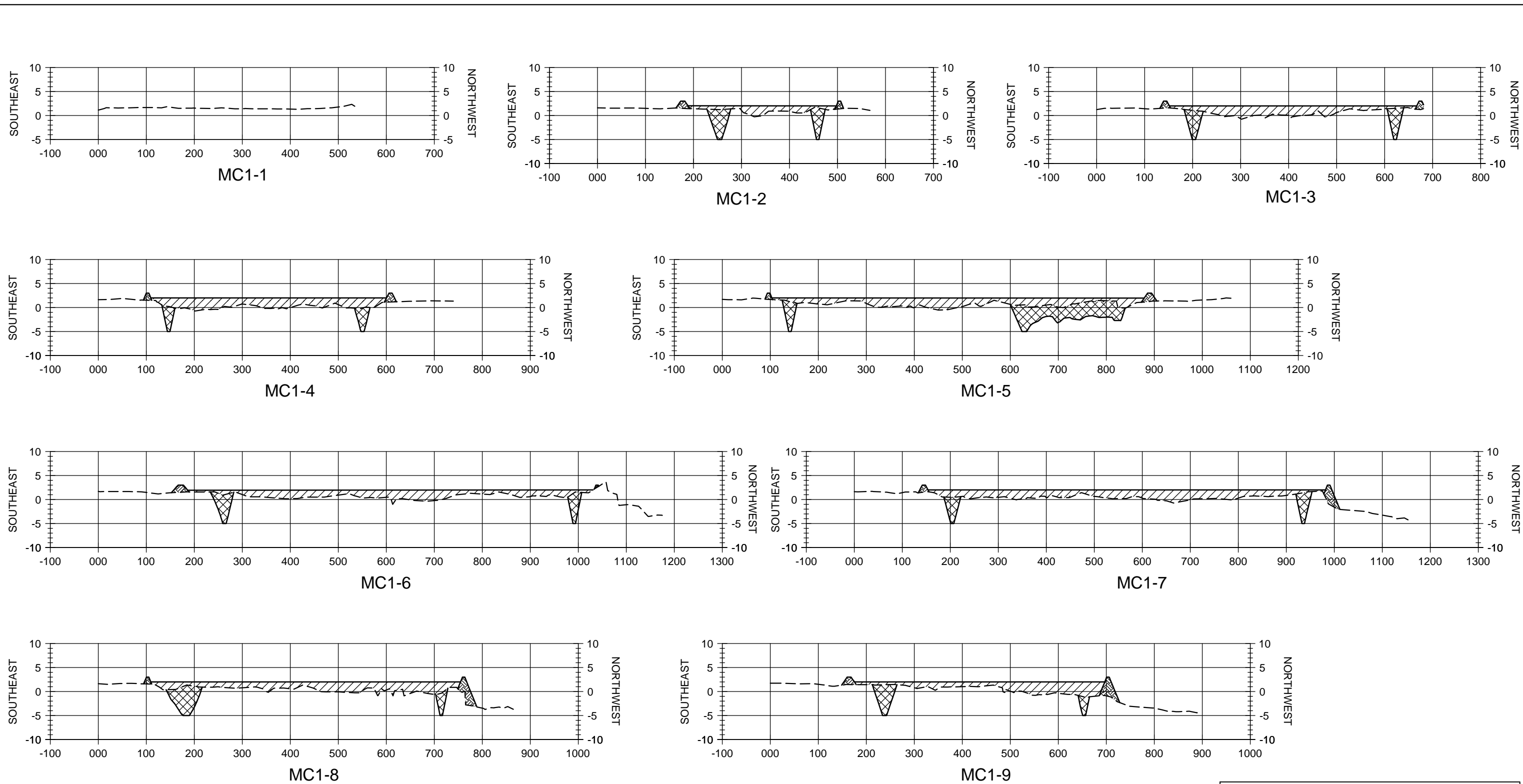
REV.	DATE	DESCRIPTION	BY

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

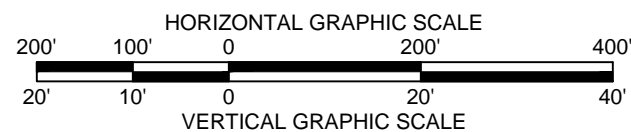
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.
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COLE'S BAYOU MARSH RESTORATION
 STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63
 APPROVED BY: S. HAYNES, P.E.

BORROW AREA SECTIONS
 DATE: SEPTEMBER 2015
 SHEET 30 OF 46



LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



REV.	DATE	DESCRIPTION	BY

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

DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

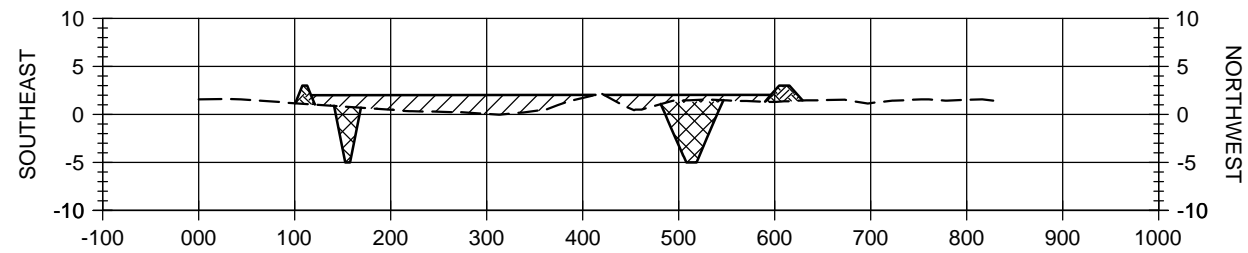
COLE'S BAYOU
 MARSH RESTORATION

STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63

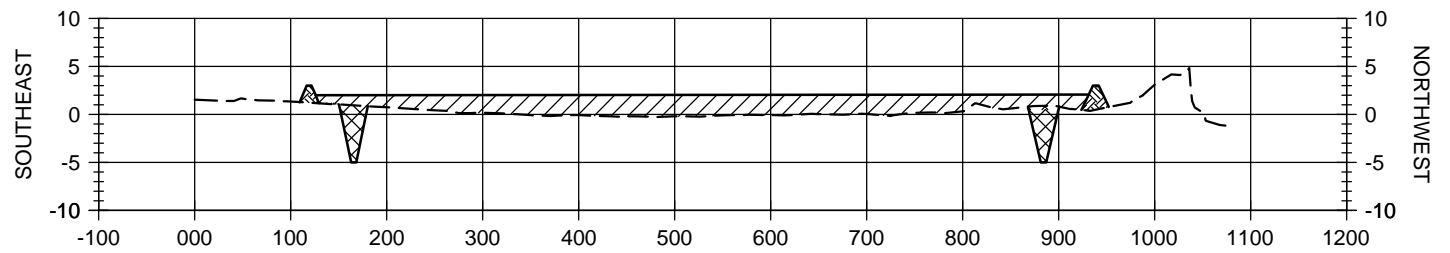
APPROVED BY: S. HAYNES, P.E.

MARSH CREATION
 AREA 1 SECTIONS

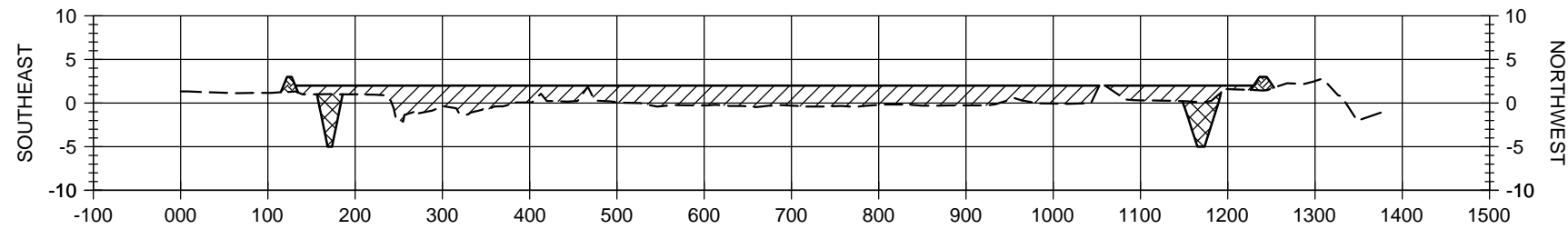
DATE: SEPTEMBER 2015
 SHEET 31 OF 46



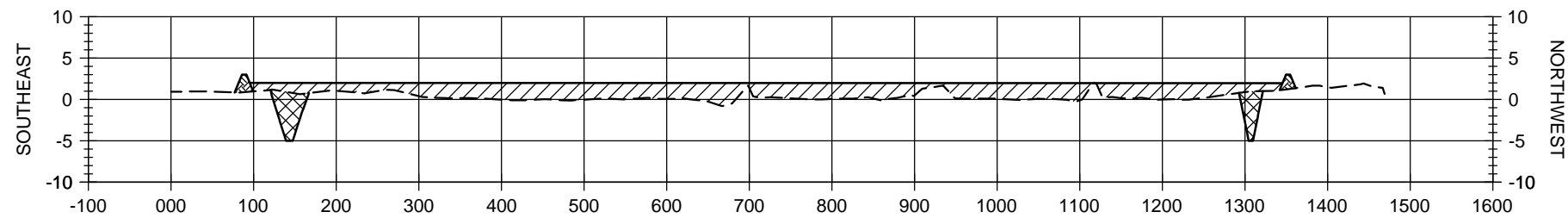
MC2-1



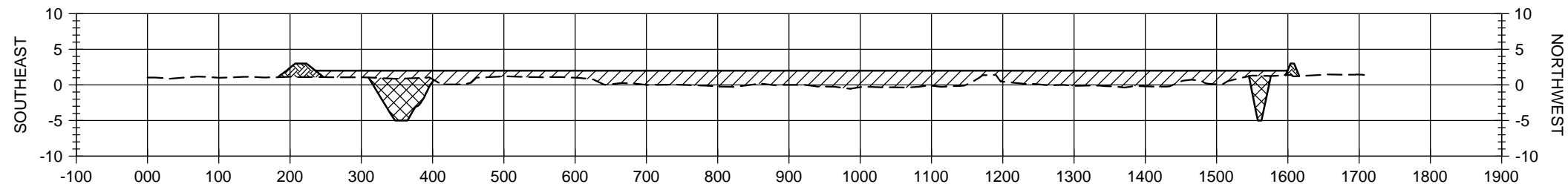
MC2-2



MC2-3

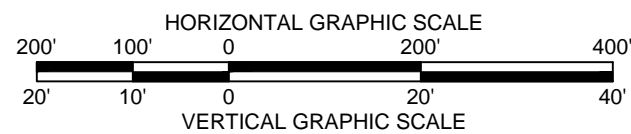


MC2-4



MC2-5

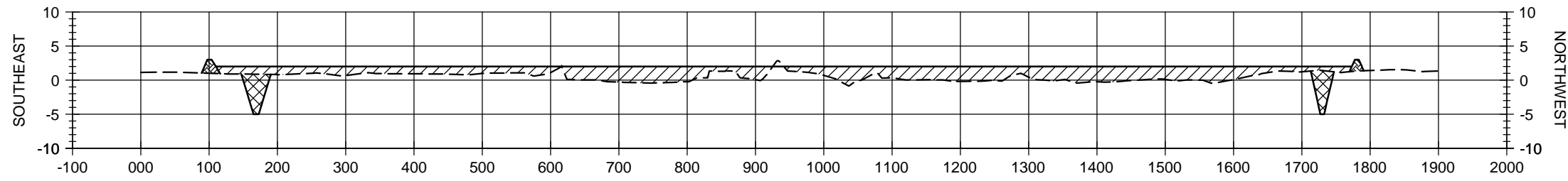
LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



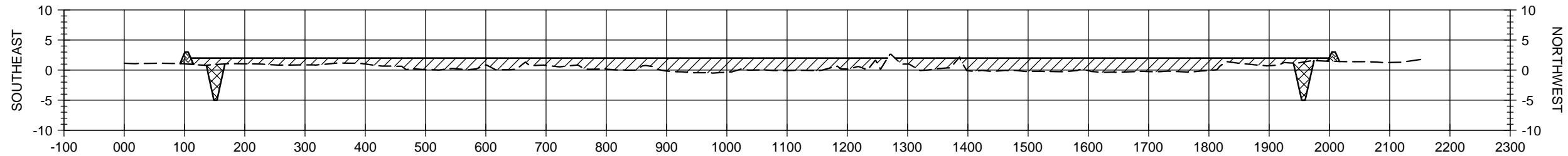
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.

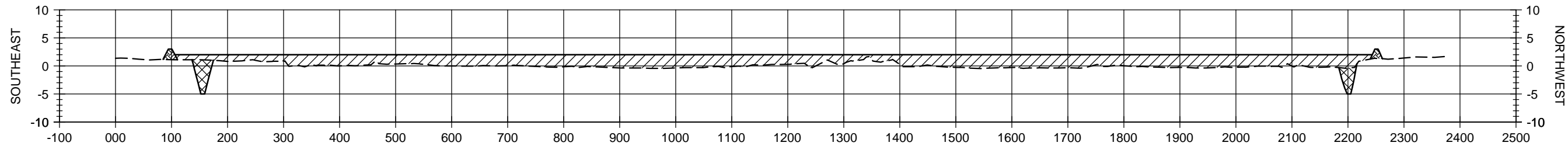
COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREA 2 SECTIONS
STATE PROJECT NUMBER: TV-63		
FEDERAL PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015
APPROVED BY: S. HAYNES, P.E.		SHEET 32 OF 46



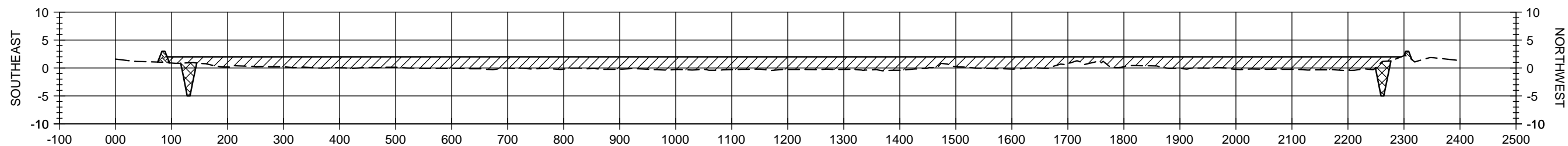
MC2-6



MC2-7

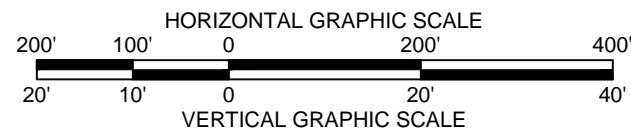


MC2-8



MC2-9

LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



REV.	DATE	DESCRIPTION	BY

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

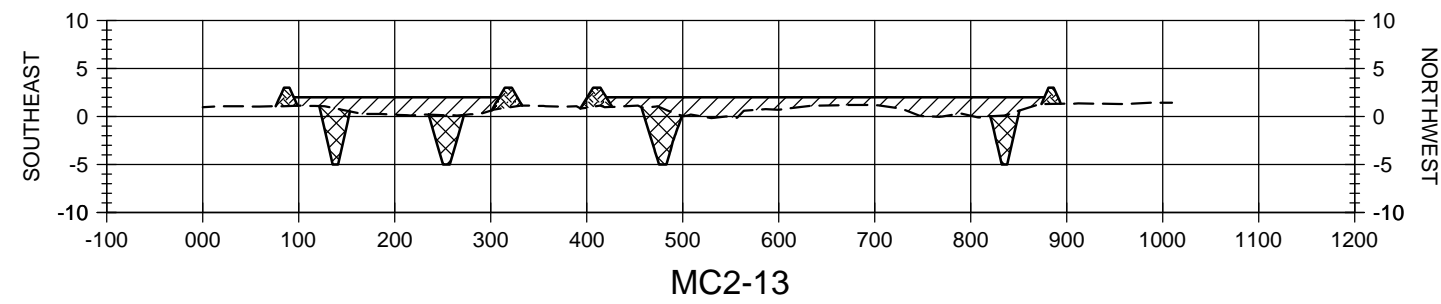
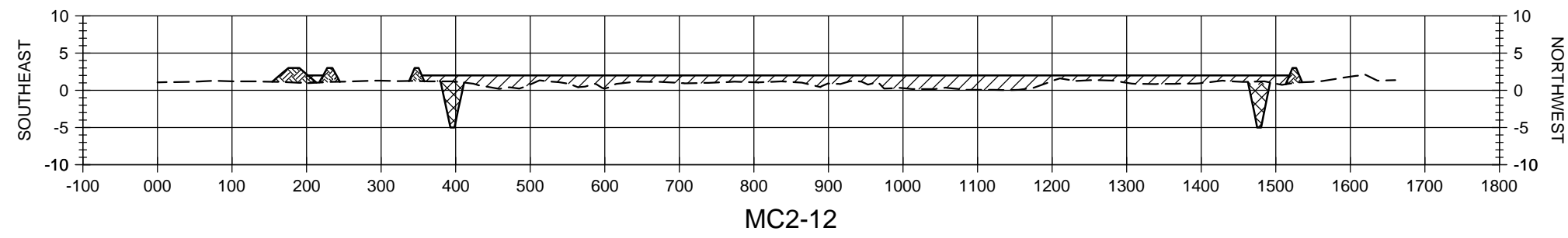
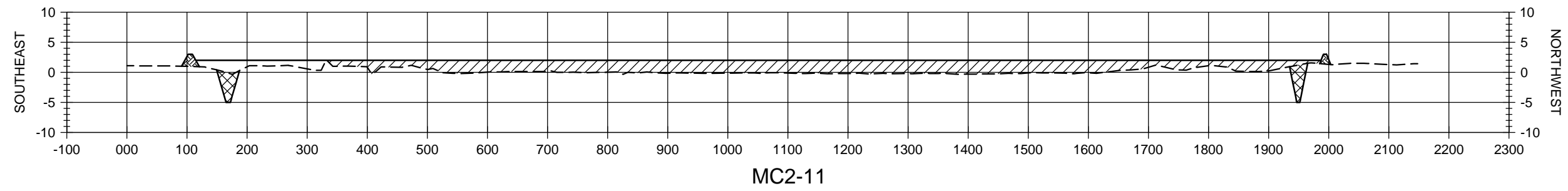
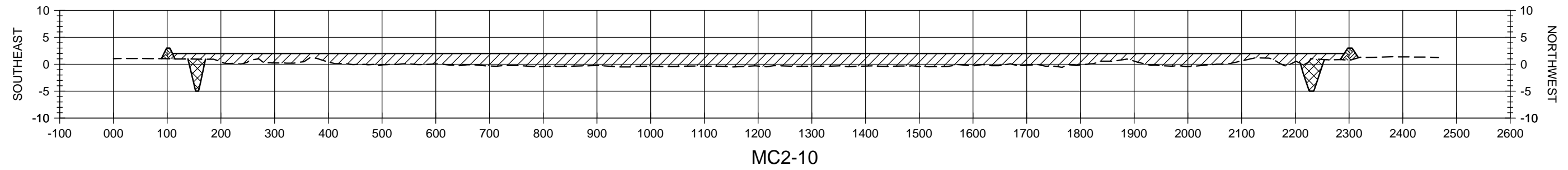
DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION

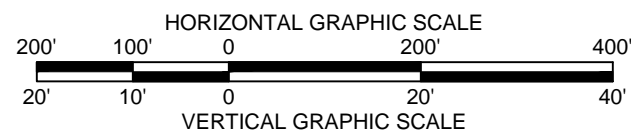
STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63
 APPROVED BY: S. HAYNES, P.E.

MARSH CREATION AREA 2 SECTIONS

DATE: SEPTEMBER 2015
 SHEET 33 OF 46



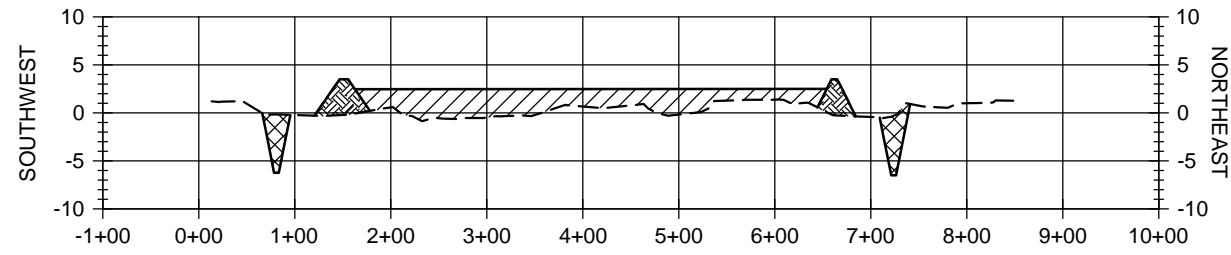
LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



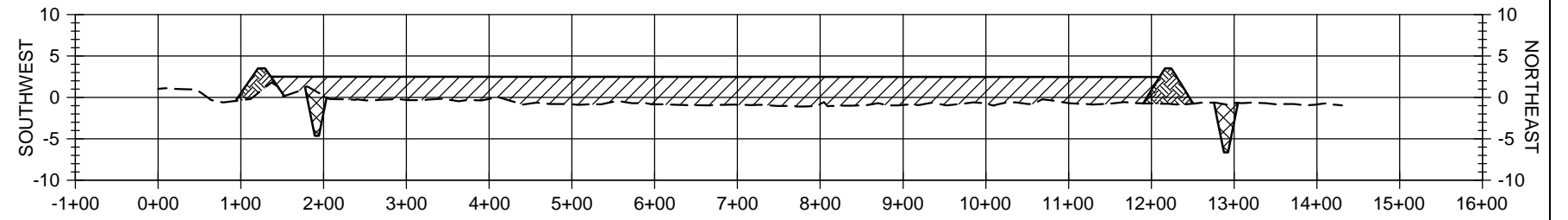
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
		APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	

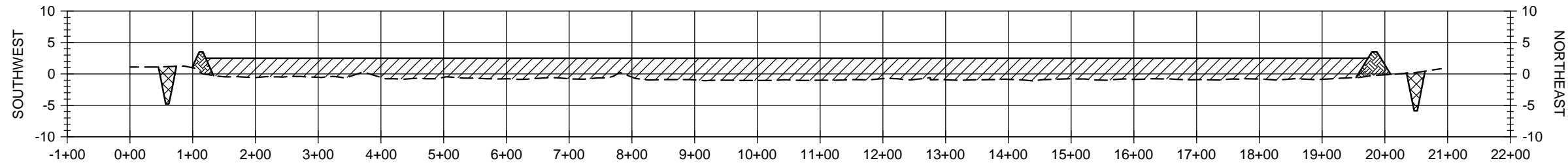
COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREA 2 SECTIONS	
STATE PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
FEDERAL PROJECT NUMBER: TV-63		SHEET 34 OF 46	



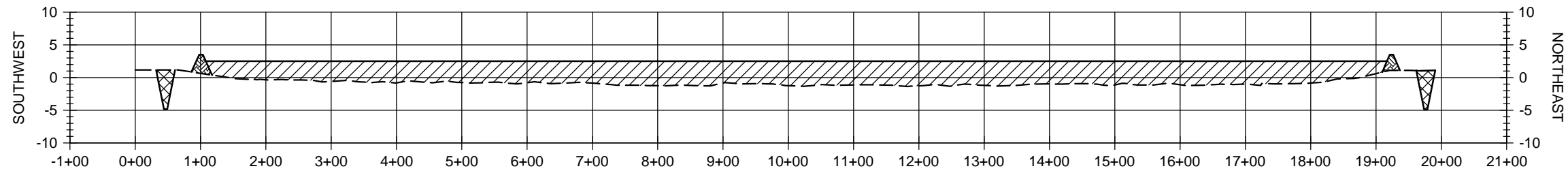
MC3-1



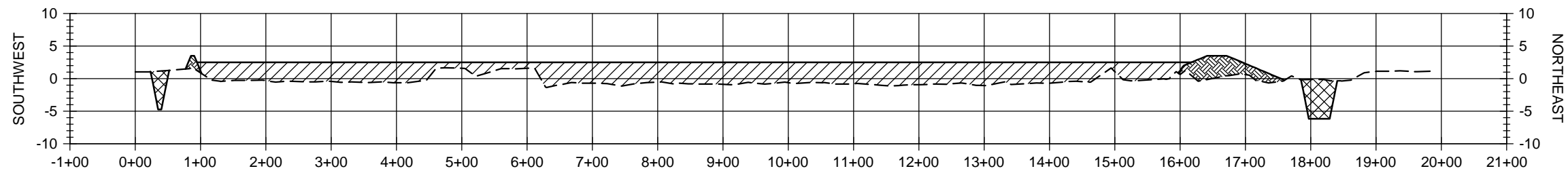
MC3-2



MC3-3

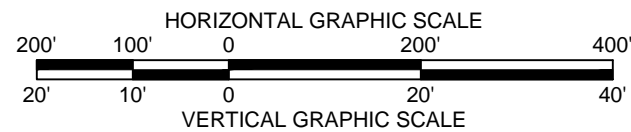


MC3-4



MC3-5

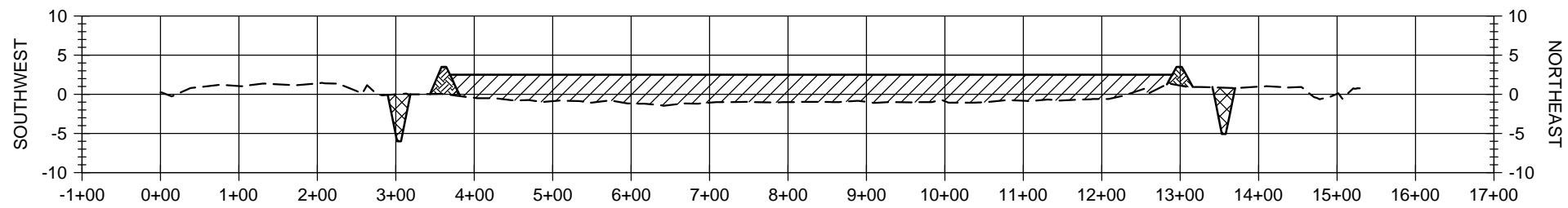
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	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



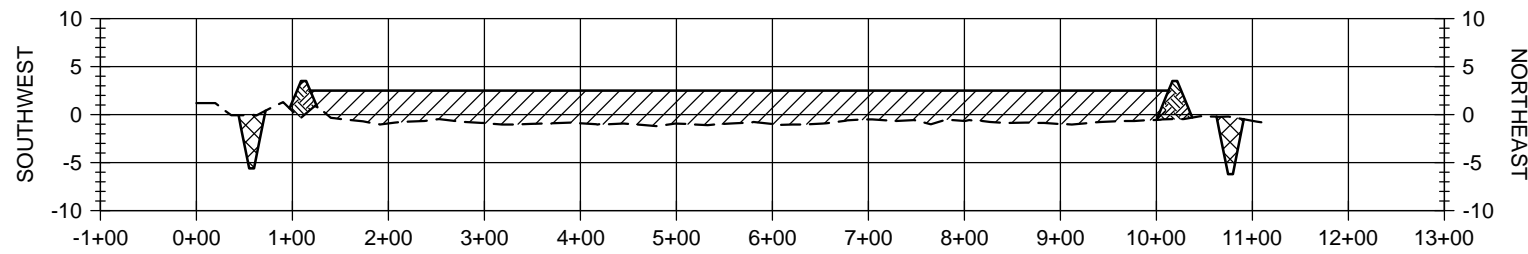
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.

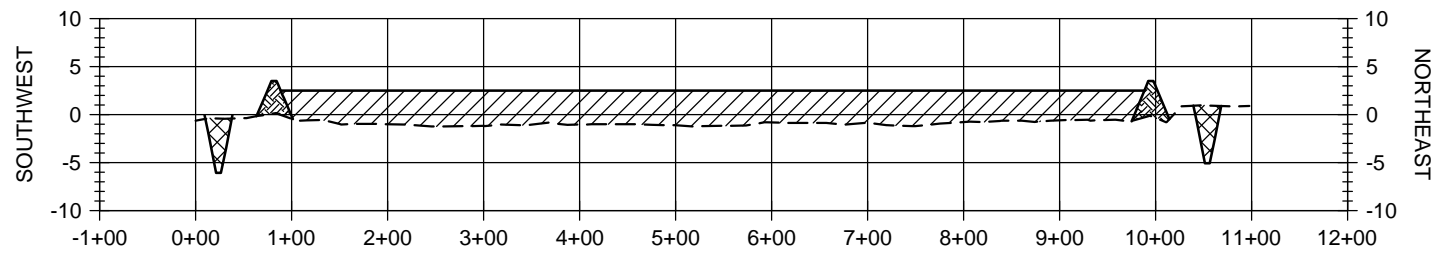
COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREA 3 SECTIONS
STATE PROJECT NUMBER: TV-63		
FEDERAL PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015
APPROVED BY: S. HAYNES, P.E.		SHEET 35 OF 46



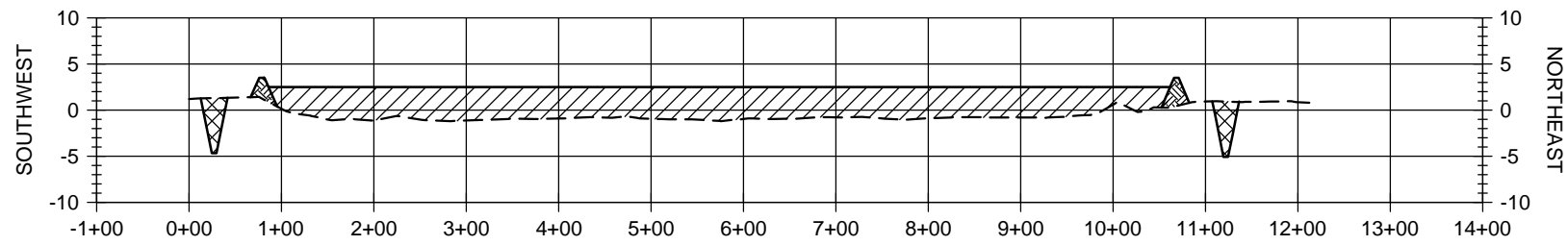
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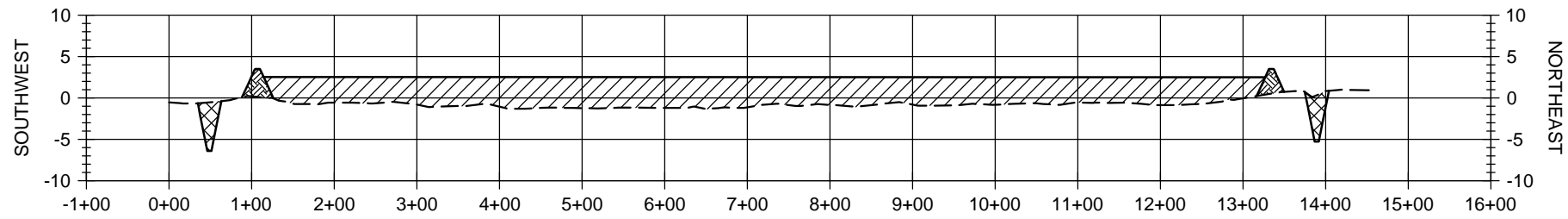
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MC3-8

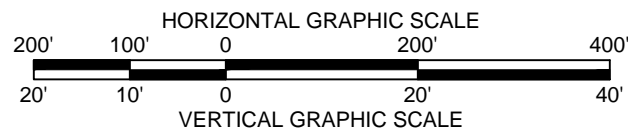


MC3-9



MC3-10

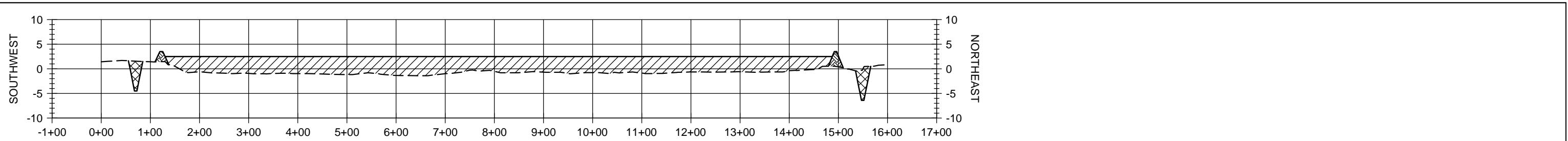
LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



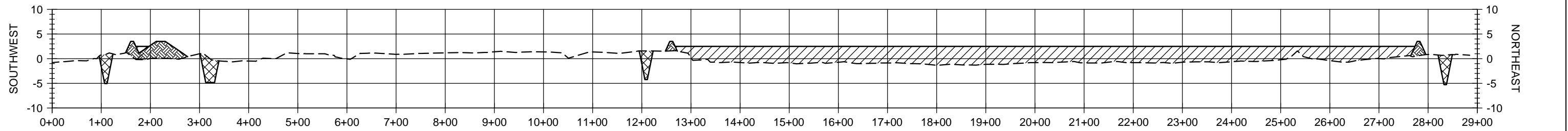
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION	
		STATE PROJECT NUMBER: TV-63 FEDERAL PROJECT NUMBER: TV-63	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	

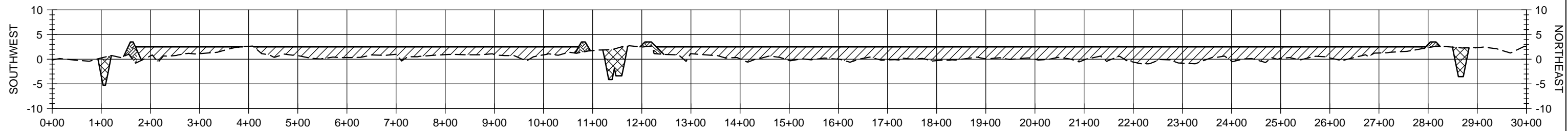
MARSH CREATION AREA 3 SECTIONS	
SHEET 36 OF 46	



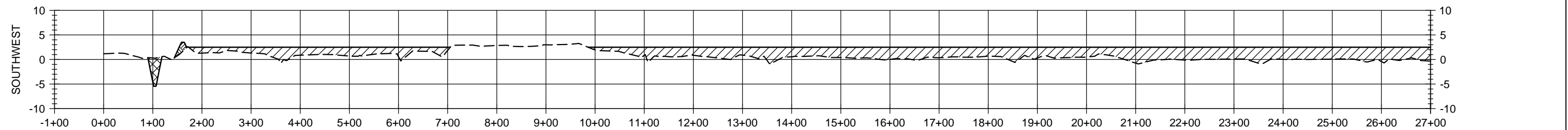
MC3-11



MC3-12



MC3-13

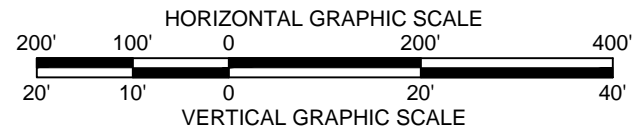


MC3-14



MC3-14 CONTINUED

LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND

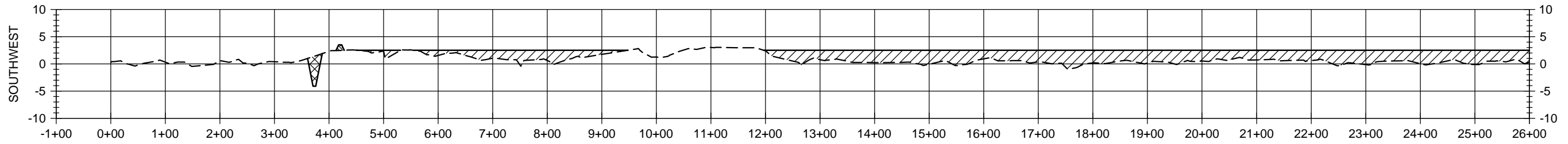


REV.	DATE	DESCRIPTION	BY

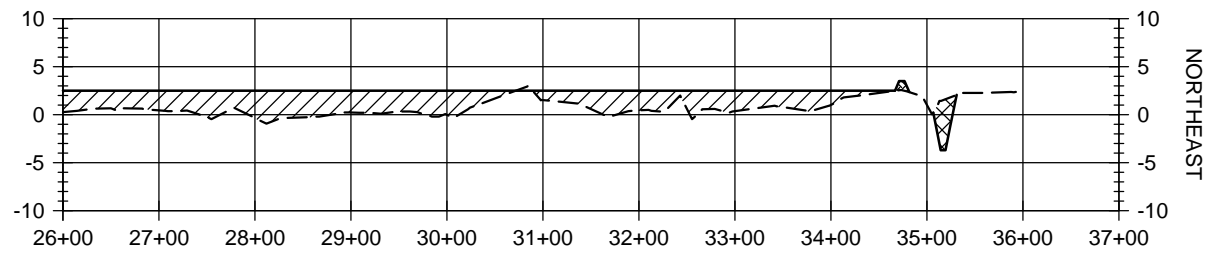
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION
 STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63
 APPROVED BY: S. HAYNES, P.E.

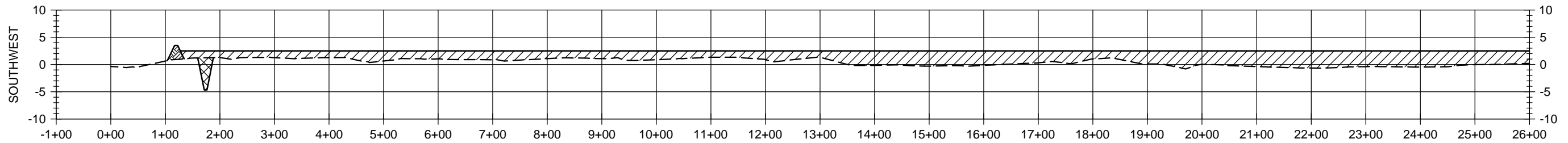
MARSH CREATION AREA 3 SECTIONS
 DATE: SEPTEMBER 2015
 SHEET 37 OF 46



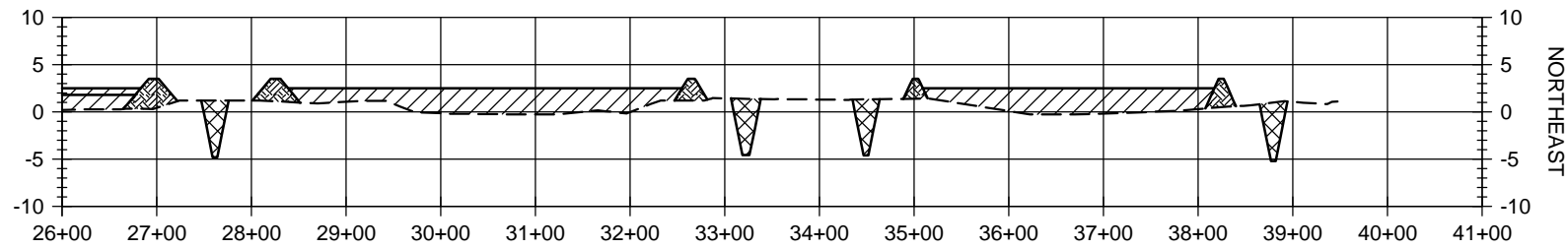
MC3-15



MC3-15 CONTINUED

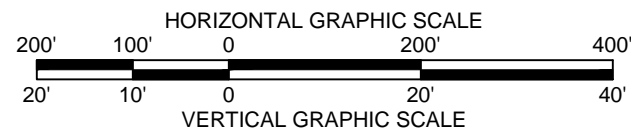


MC3-16



MC3-16 CONTINUED

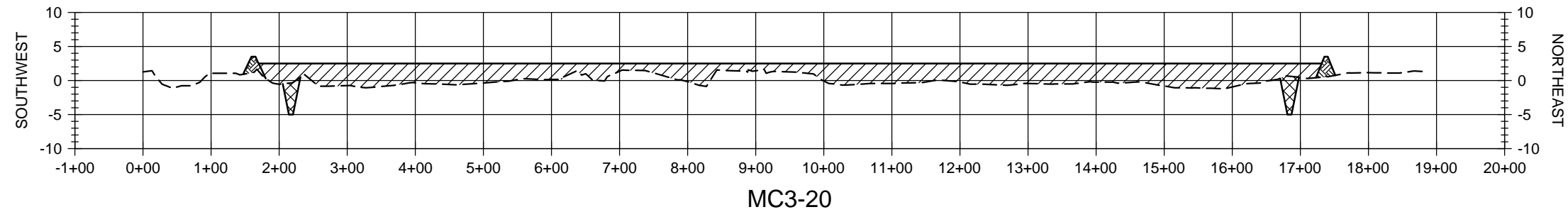
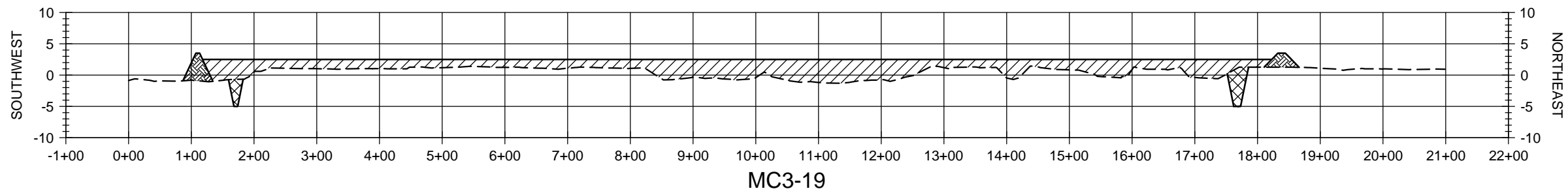
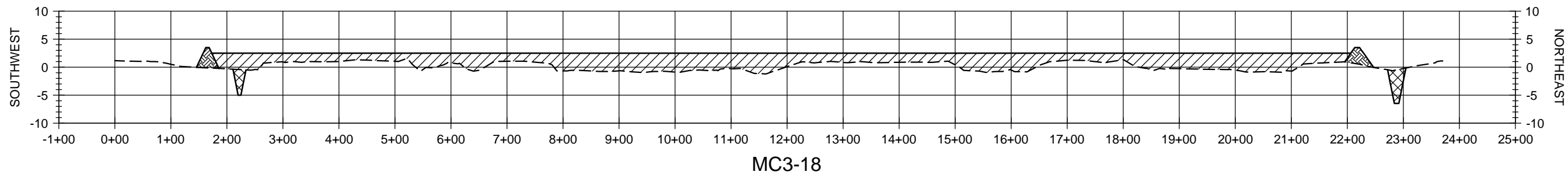
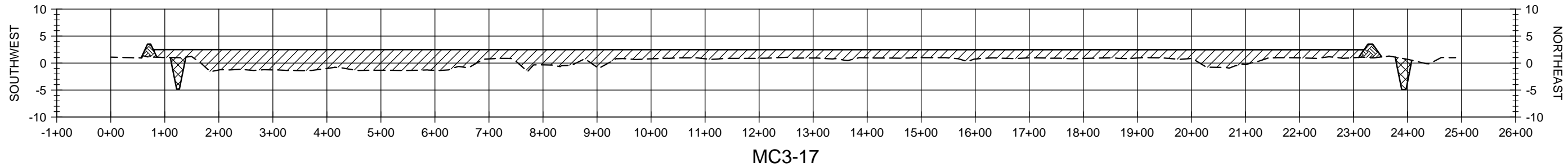
LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



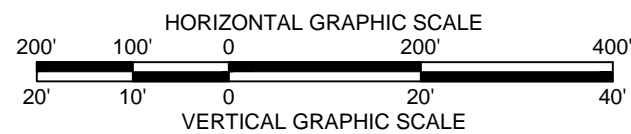
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
		APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	

COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREA 3 SECTIONS
STATE PROJECT NUMBER: TV-63 FEDERAL PROJECT NUMBER: TV-63		
APPROVED BY: S. HAYNES, P.E.		SHEET 38 OF 46



LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND

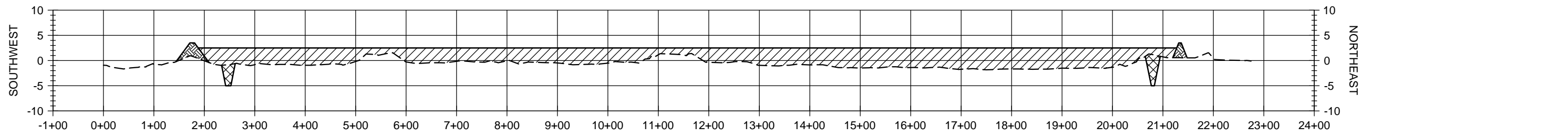


REV.	DATE	DESCRIPTION	BY

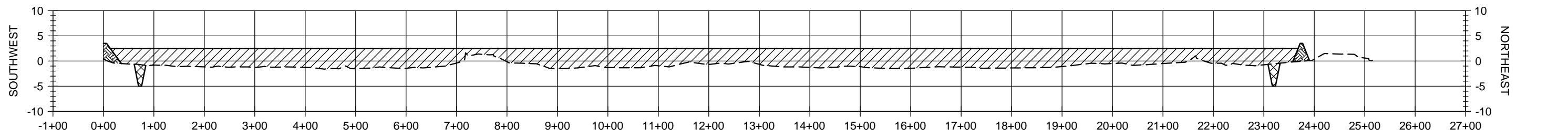
COASTAL PROTECTION AND RESTORATION AUTHORITY	
450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION	
STATE PROJECT NUMBER: TV-63	
FEDERAL PROJECT NUMBER: TV-63	
APPROVED BY: S. HAYNES, P.E.	

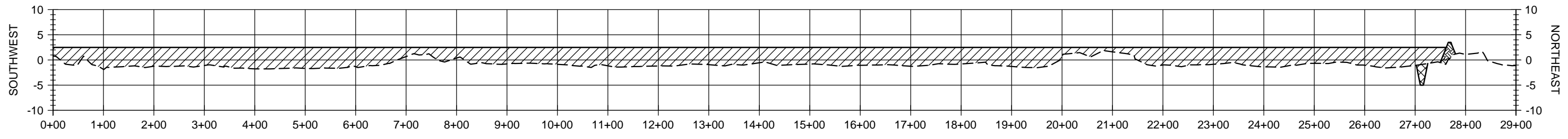
MARSH CREATION AREA 3 SECTIONS	
DATE: SEPTEMBER 2015	
SHEET 39 OF 46	



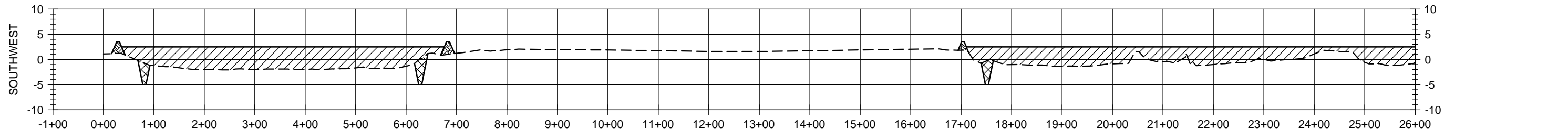
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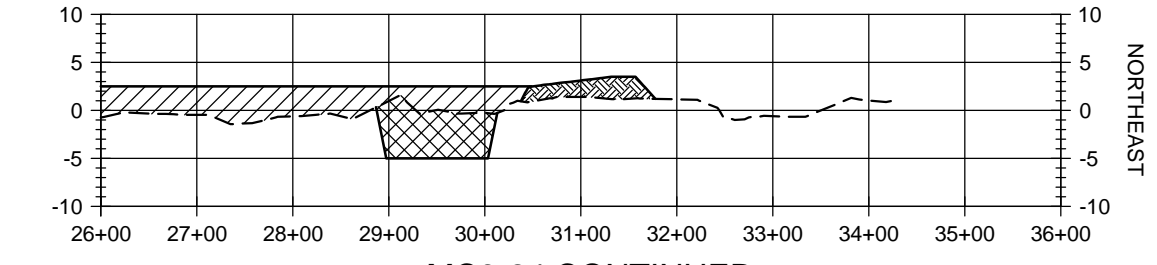
MC3-22



MC3-23

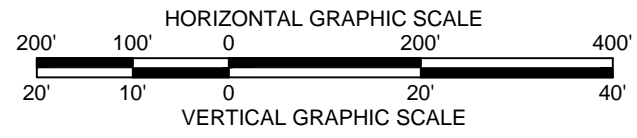


MC3-24

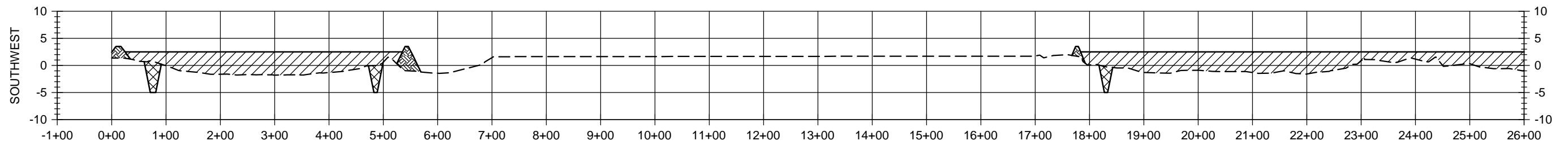


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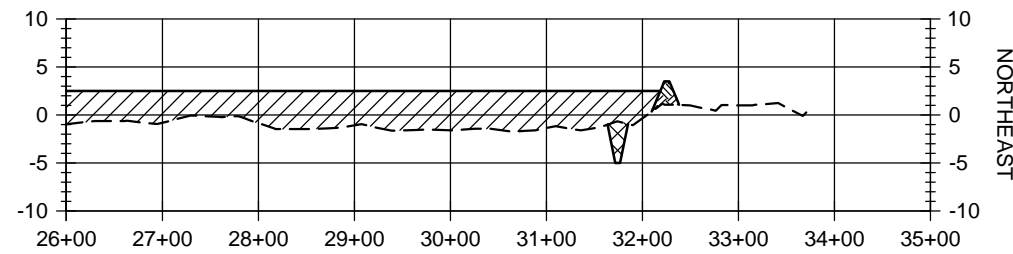
LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



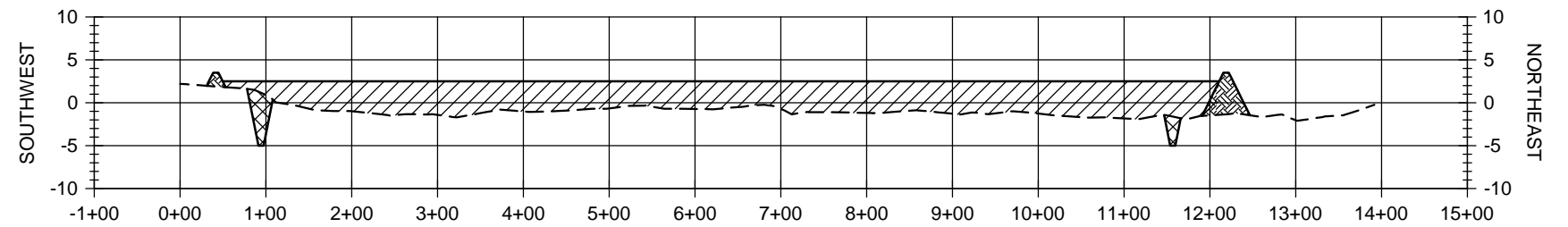
				COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION		MARSH CREATION AREA 3 SECTIONS	
						STATE PROJECT NUMBER: TV-63			
						FEDERAL PROJECT NUMBER: TV-63		DATE: SEPTEMBER 2015	
				DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.	
REV.	DATE	DESCRIPTION	BY					SHEET 40 OF 46	



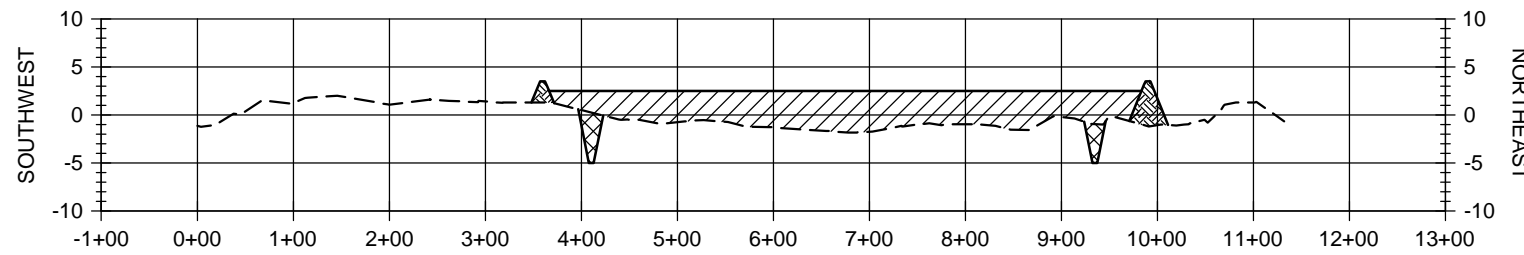
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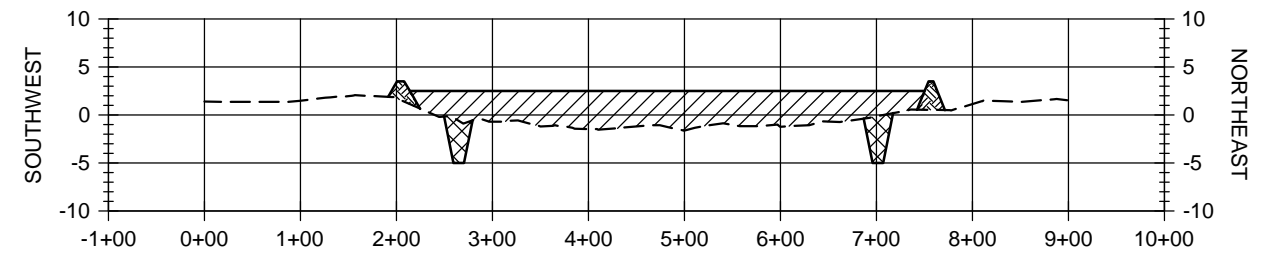
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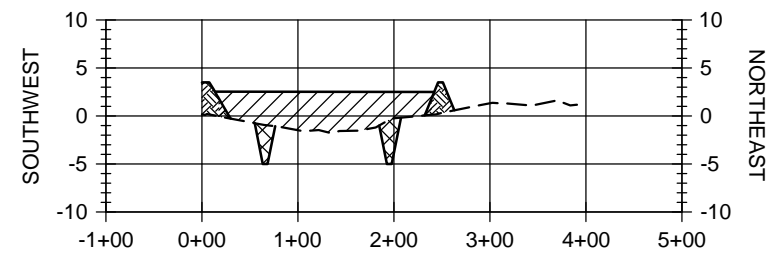
MC3-26



MC3-27

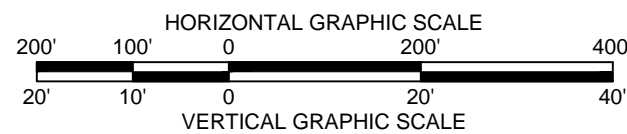


MC3-28



MC3-29

LEGEND	
	MARSH CREATION AREA
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EXISTING GROUND



REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: K. CANTU

DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION

STATE PROJECT NUMBER: TV-63

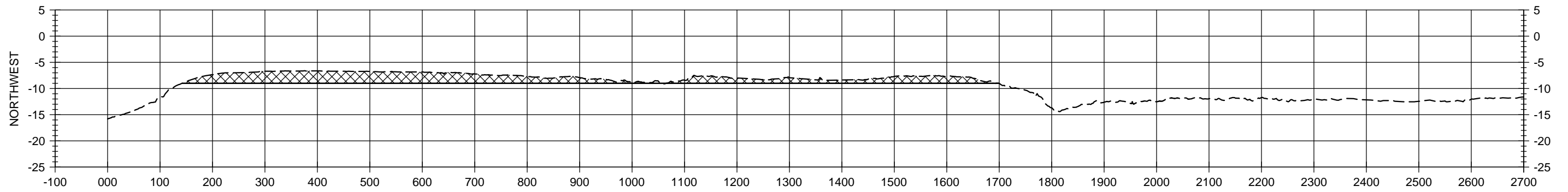
FEDERAL PROJECT NUMBER: TV-63

APPROVED BY: S. HAYNES, P.E.

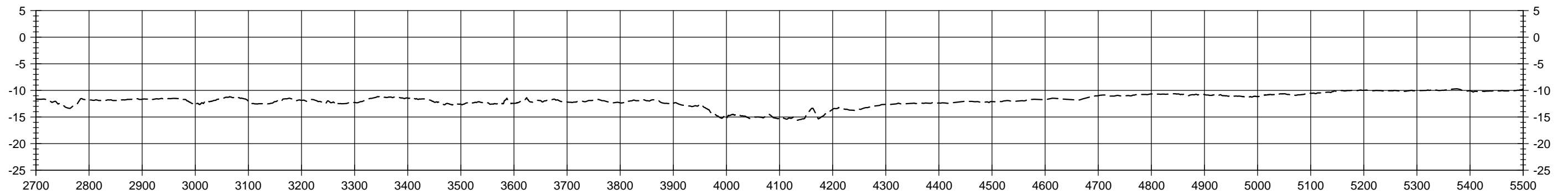
MARSH CREATION AREA 3 SECTIONS

DATE: SEPTEMBER 2015

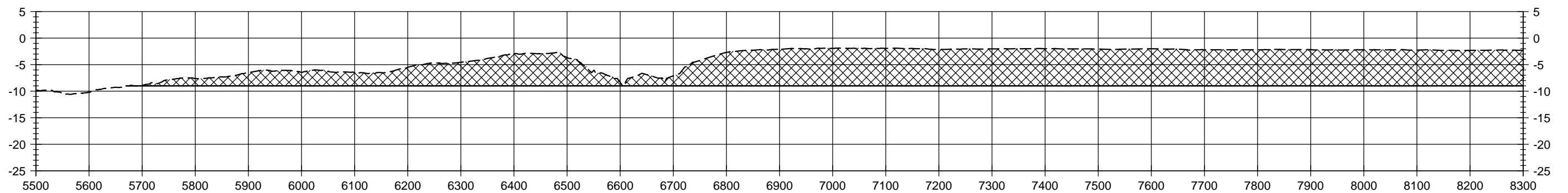
SHEET 41 OF 46



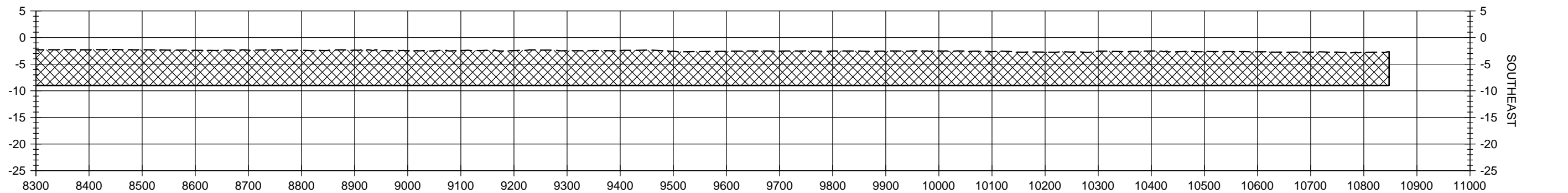
EA-1





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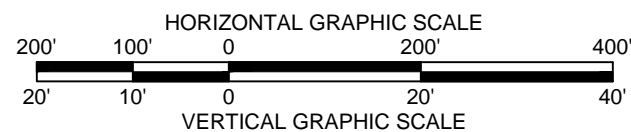


EA-1 CONTINUED



EA-1 CONTINUED

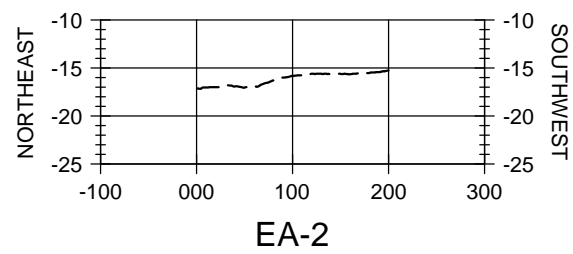
LEGEND	
	EQUIPMENT ACCESS CORRIDOR DREDGING
	EXISTING WATER BOTTOM



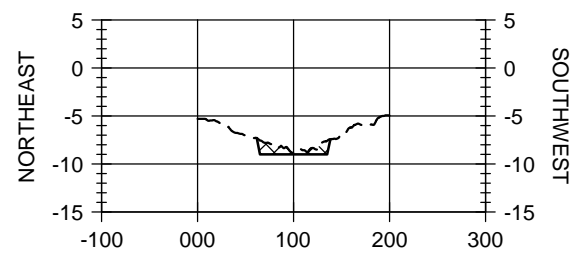
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION	
		STATE PROJECT NUMBER: TV-63	EQUIPMENT ACCESS SECTIONS
DRAWN BY: K. CANTU		FEDERAL PROJECT NUMBER: TV-63	DATE: SEPTEMBER 2015
DESIGNED BY: A. TAYLOR, E.I.		APPROVED BY: S. HAYNES, P.E.	SHEET 42 OF 46

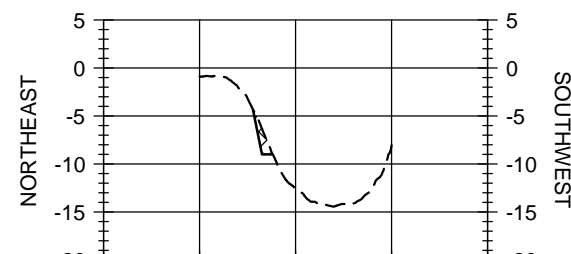
COLE'S BAYOU MARSH RESTORATION	
STATE PROJECT NUMBER: TV-63	EQUIPMENT ACCESS SECTIONS
FEDERAL PROJECT NUMBER: TV-63	DATE: SEPTEMBER 2015
APPROVED BY: S. HAYNES, P.E.	SHEET 42 OF 46



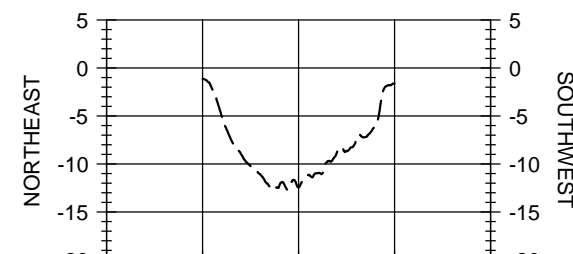
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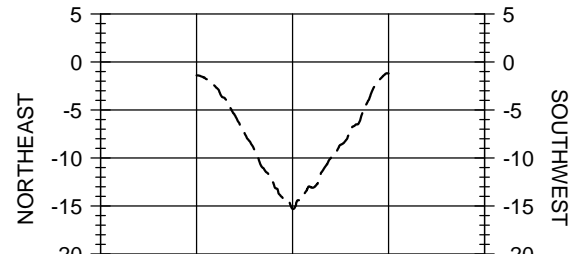
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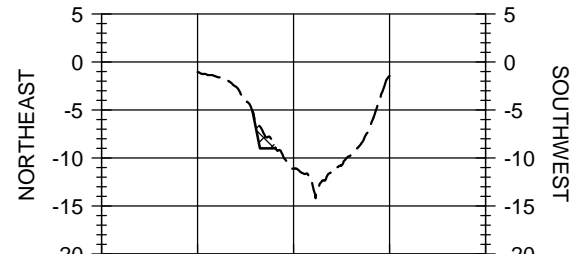
EA-4



EA-5



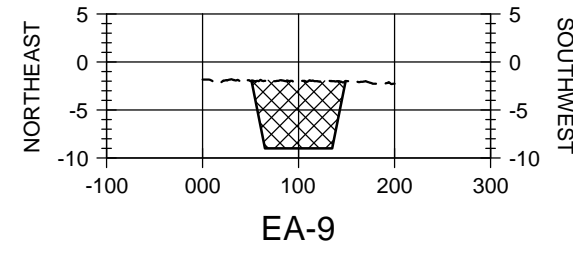
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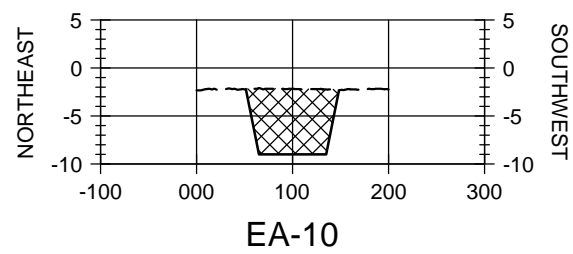
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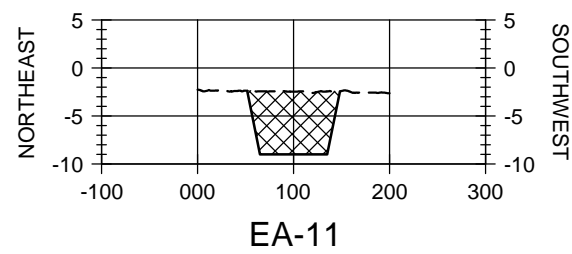
EA-8



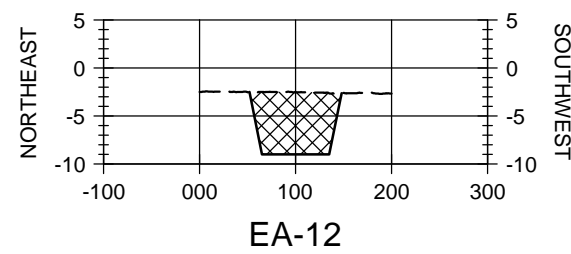
EA-9



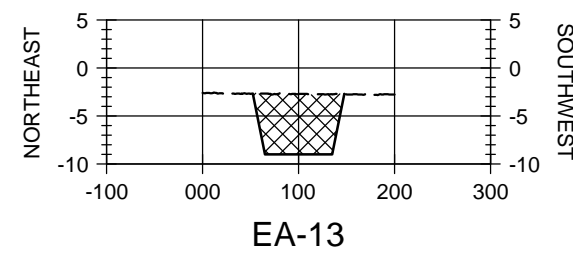
EA-10



EA-11

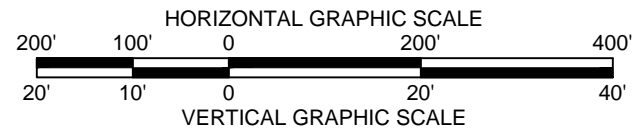


EA-12



EA-13

LEGEND	
	EQUIPMENT ACCESS CORRIDOR DREDGING
	EXISTING WATER BOTTOM

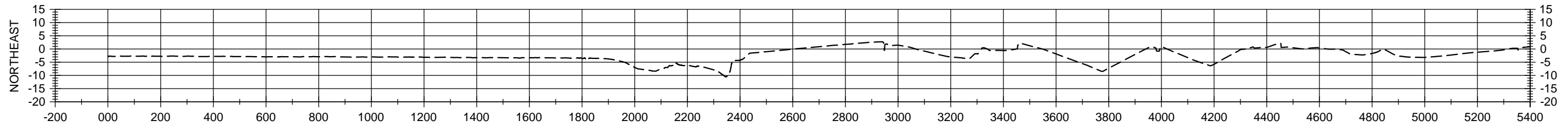


REV.	DATE	DESCRIPTION	BY

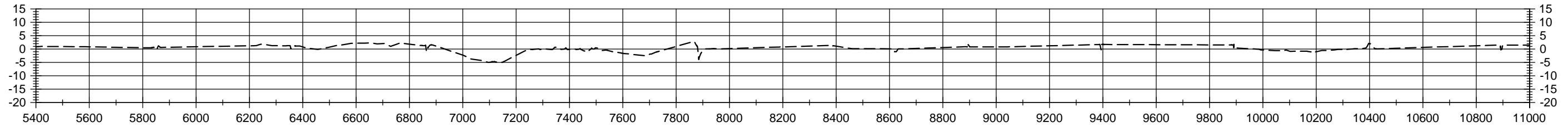
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION
 STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63
 APPROVED BY: S. HAYNES, P.E.

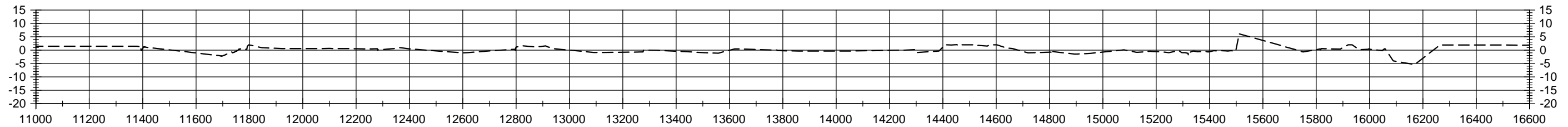
EQUIPMENT ACCESS SECTIONS
 DATE: SEPTEMBER 2015
 SHEET 43 OF 46



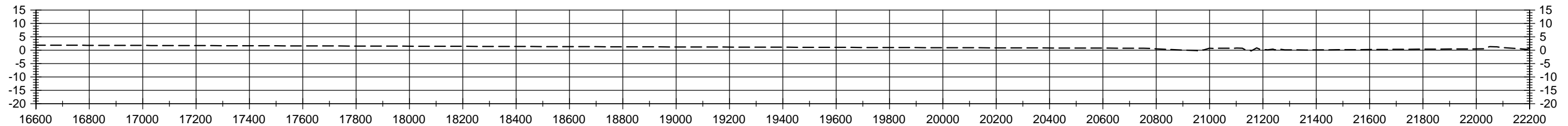
EA-14



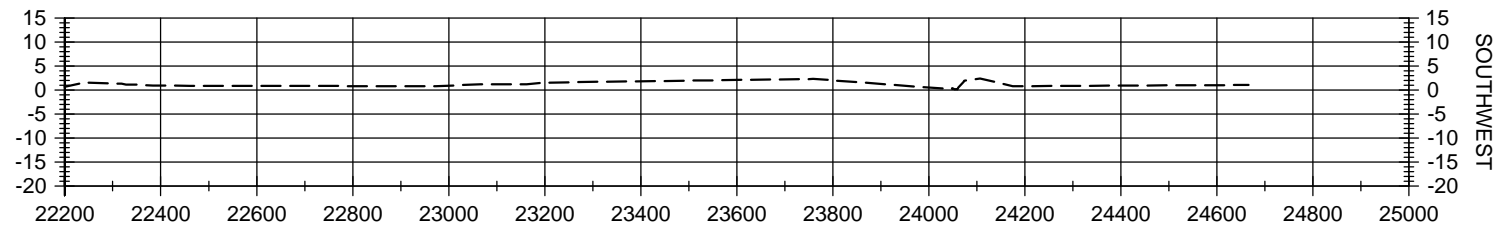
EA-14 CONTINUED



EA-14 CONTINUED

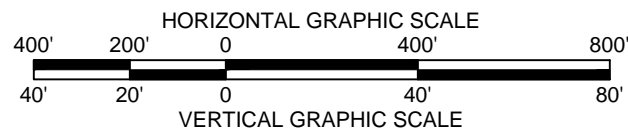


EA-14 CONTINUED



EA-14 CONTINUED

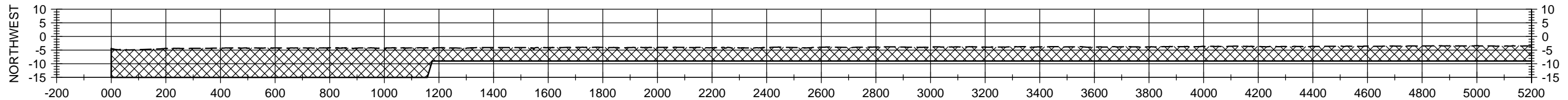
LEGEND	
---	EXISTING WATER BOTTOM



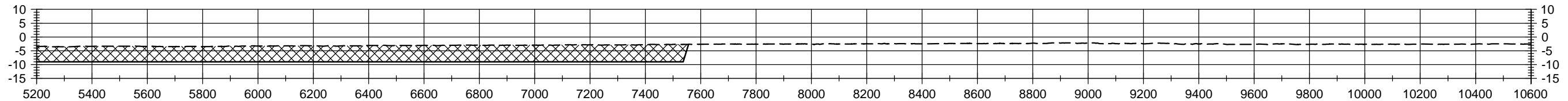
REV.	DATE	DESCRIPTION	BY

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		COLE'S BAYOU MARSH RESTORATION	
		STATE PROJECT NUMBER: TV-63	
DRAWN BY: K. CANTU		DESIGNED BY: A. TAYLOR, E.I.	
APPROVED BY: S. HAYNES, P.E.		DATE: SEPTEMBER 2015	
SHEET 44 OF 46		FEDERAL PROJECT NUMBER: TV-63	

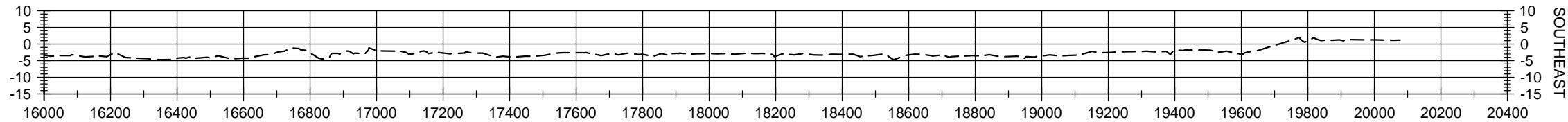
EQUIPMENT ACCESS SECTIONS	
DATE: SEPTEMBER 2015	
SHEET 44 OF 46	



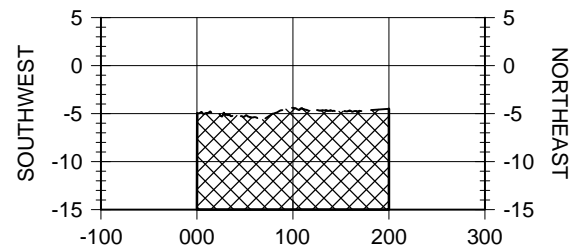
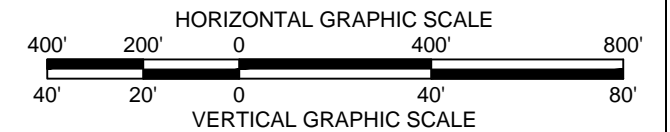
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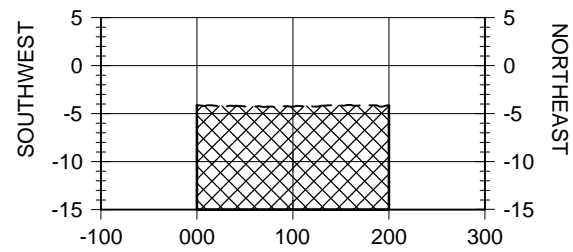
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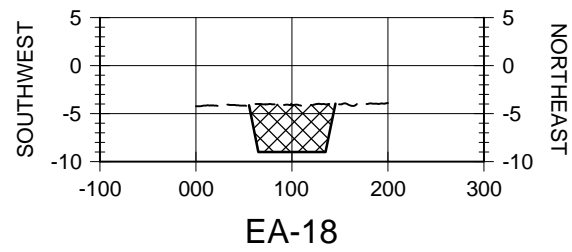
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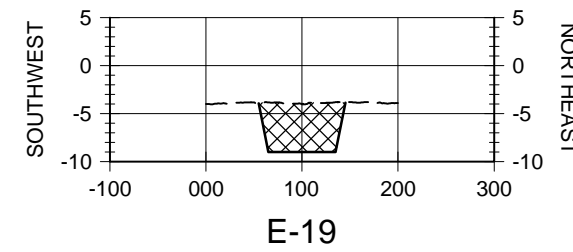
EA-16



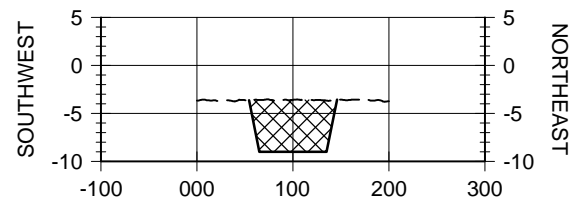
EA-17



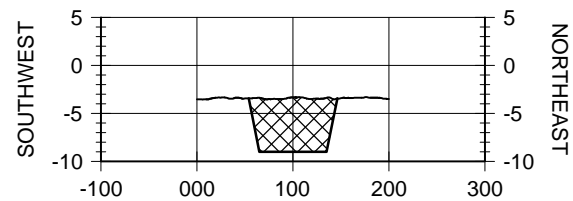
EA-18



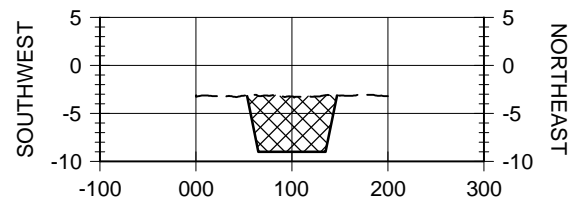
E-19



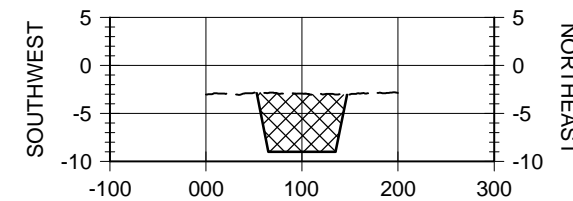
EA-20



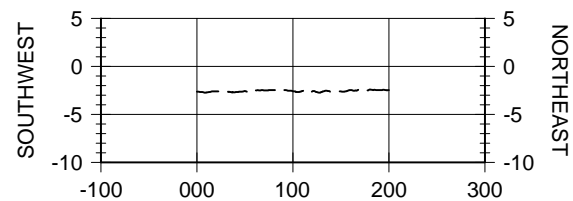
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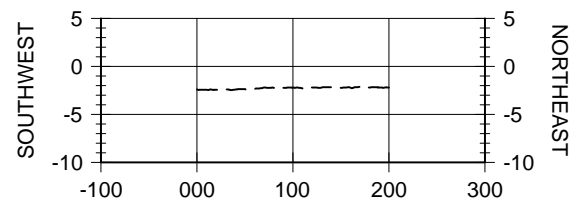
EA-22



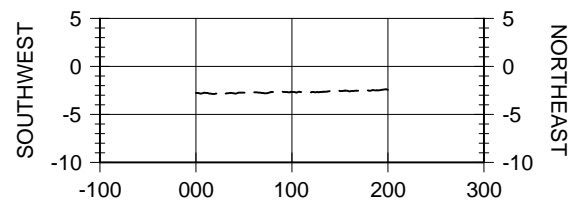
EA-23



EA-24

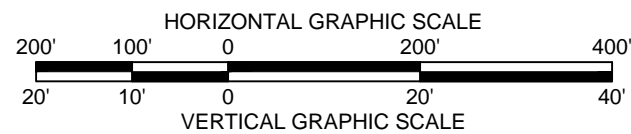


EA-25



EA-26

LEGEND	
	EQUIPMENT ACCESS CORRIDOR
	DREDGING/BORROW AREA
	EXISTING WATER BOTTOM

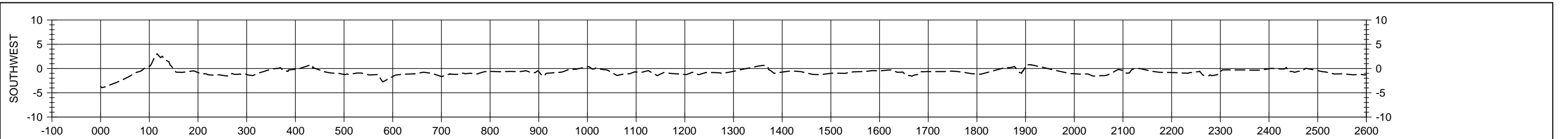


REV.	DATE	DESCRIPTION	BY

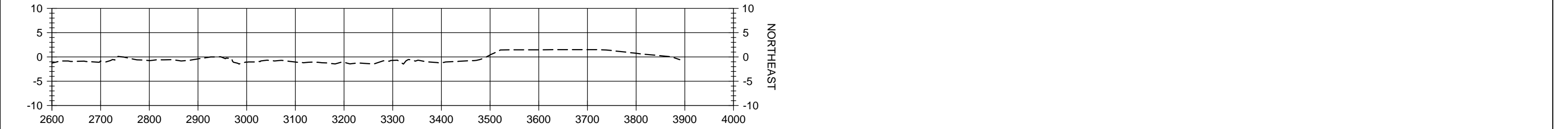
COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: K. CANTU	DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION	
STATE PROJECT NUMBER: TV-63	
FEDERAL PROJECT NUMBER: TV-63	
APPROVED BY: S. HAYNES, P.E.	

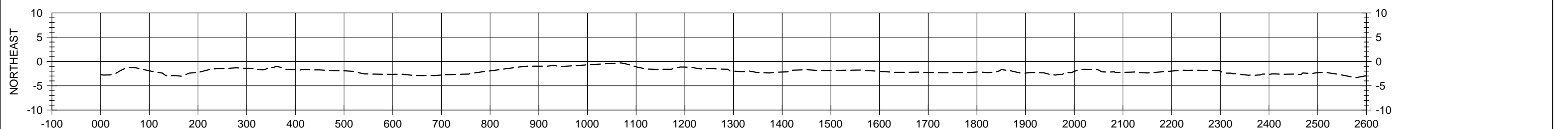
EQUIPMENT ACCESS SECTIONS	
DATE: SEPTEMBER 2015	
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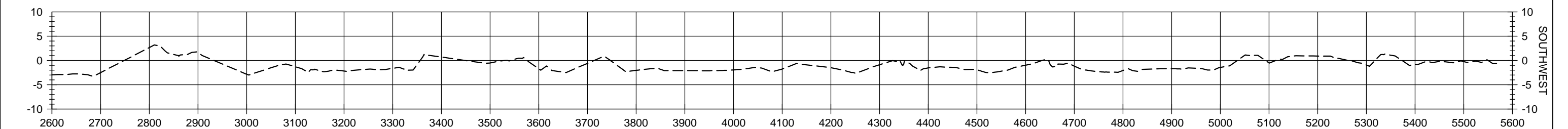
EA-27



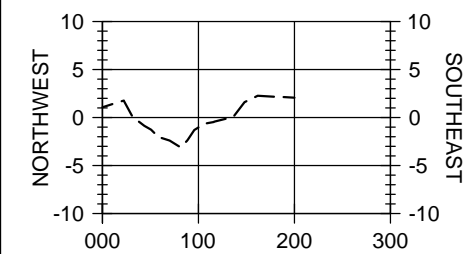
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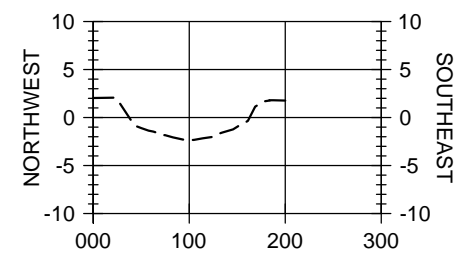
EA-28



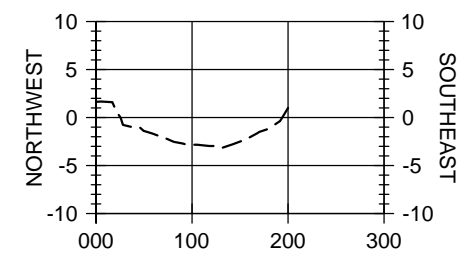
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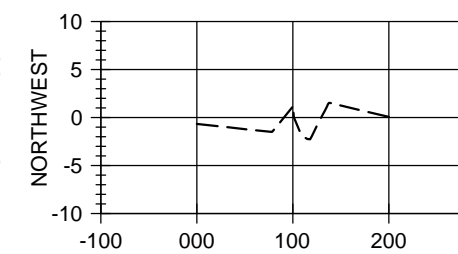
EA-29



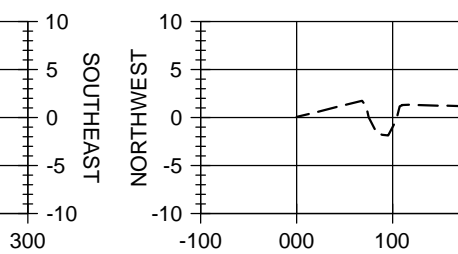
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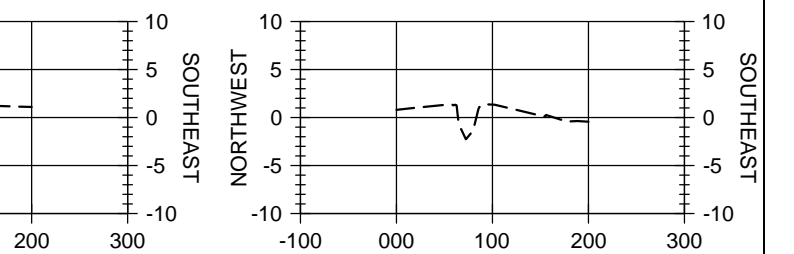
EA-31



EA-32

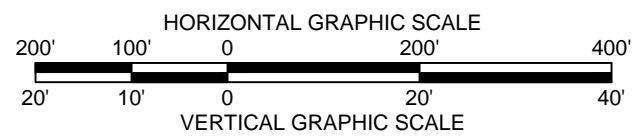


EA-33



EA-34

LEGEND
 - - - - EXISTING WATER BOTTOM



REV.	DATE	DESCRIPTION	BY

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

DRAWN BY: K. CANTU DESIGNED BY: A. TAYLOR, E.I.

COLE'S BAYOU MARSH RESTORATION

STATE PROJECT NUMBER: TV-63
 FEDERAL PROJECT NUMBER: TV-63

APPROVED BY: S. HAYNES, P.E.

EQUIPMENT ACCESS SECTIONS

DATE: SEPTEMBER 2015
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