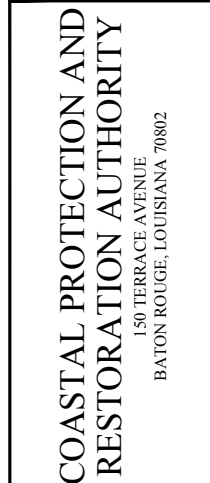
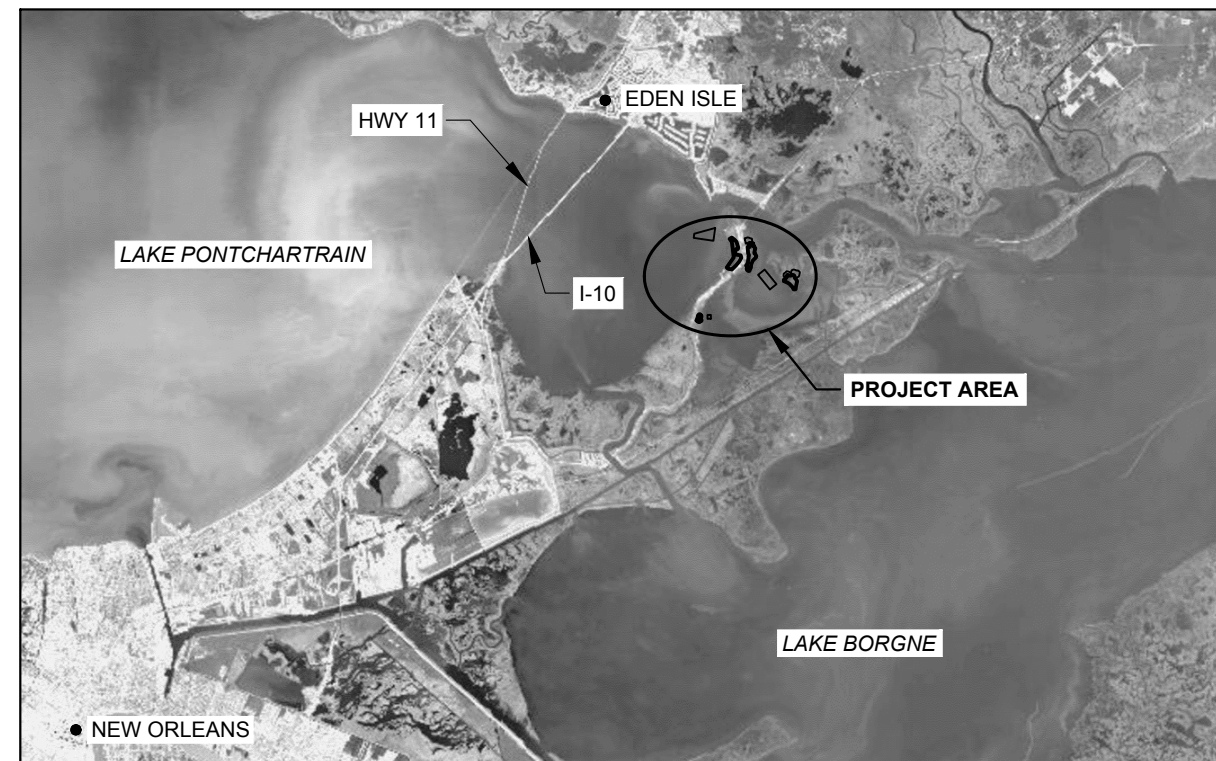


INDEX TO SHEETS

NEW ORLEANS LANDBRIDGE SHORELINE
STABILIZATION & MARSH CREATION PROJECT
PO-0169
ORLEANS PARISH



TITLE SHEET

DESIGNED BY: GREG MATTSON, P.E. - 0041999

APPROVED BY: SHANNON HAYNES, P.E. - 0030552

NEW ORLEANS LAND REFORM SHORELINE STABILIZATION & MARSH CREATION PROJECT

STATE PROJECT NUMBER: PO-0169

DRAWN BY: SHANE FAUST

DATE: JUNE 2018

SHEET 1 OF 10

LICENSURE CLASSIFICATION REQUIREMENTS
MAJOR CLASSIFICATION: HEAVY CONSTRUCTION
SUBCLASSIFICATION: DREDGING

PRELIMINARY

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

GENERAL NOTES:

1. THE EQUIPMENT ACCESS TO THE PROJECT SITE SHALL BE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT IMPACT EXISTING WATER BOTTOMS OR WETLANDS UNLESS OTHERWISE NOTED.
2. 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.
3. THE CONTRACTOR SHALL MAINTAIN AIDS TO NAVIGATION DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. ANY DAMAGE TO EXISTING AIDS TO NAVIGATION SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
4. THE MARSH CREATION AREAS, BORROW AREAS, CONTAINMENT DIKES, AND ROCK BREAKWATER MAY BE REVISED BY THE ENGINEER THROUGHOUT THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS.
5. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE DREDGE PIPELINE CORRIDOR, BORROW AREAS, ACCESS CHANNELS, AND MARSH CREATION AREAS PRIOR TO EXCAVATION OR DREDGING. DRAWINGS SHOWING THE TRACK LINES, COORDINATES, AMPLITUDE, SIGNATURE TYPE, AND DURATION OF ALL INFRASTRUCTURE AND ANOMALIES SHALL BE SUBMITTED TO THE ENGINEER IN THE PRECONSTRUCTION SURVEY.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING THE HYDRAULICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE MARSH CREATION AREAS.
7. THE BACKGROUND IMAGERY WAS TAKEN IN 20??.
8. THE PIPELINE AND UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND MARK ALL PIPELINES AND UTILITIES LOCATED WITHIN 250 FT. OF THE WORK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THESE MARKERS DURING CONSTRUCTION. VERIFIED PIPELINES REFERENCE THE PIPELINE LOCATION (X, Y, Z) DATA BASED IN THE DESIGN SURVEY(S).

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. CALL LOUISIANA ONE CALL AT 1-800-272-3020 5 DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.

PLACE HOLDER
CONTACT:
PHONE:

2. THE CONTRACTOR SHALL NOTIFY THE LANDOWNERS LISTED BELOW AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK.

PLACE HOLDER
CONTACT:
PHONE:

3. MODIFICATIONS TO THE DREDGE PIPELINE CORRIDOR AND EQUIPMENT ACCESS CORRIDOR SHALL REQUIRE APPROVAL BY THE ENGINEER.

DESIGN NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) U.S. SURVEY FEET, GEOID 12B. 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>
CRMS PO SM-25	6.34'	618,174.14	3,792,271.06

2. THE EXISTING ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE DESIGN SURVEYS PERFORMED FROM JULY 2016 THROUGH SEPTEMBER 2016 BY CHUSTZ SURVEYING, LLC. THE DESIGN SURVEY REPORT IS PROVIDED IN THE SPECIFICATIONS.

3. DATA FROM STATION CRMS3784 WAS USED TO CALCULATE THE MHW AND MLW. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET, GEOID 12A. MHW = +0.99' AND MLW = +0.05' WITHIN PROJECT AREA.

4. A GEOTECHNICAL INVESTIGATION WAS PERFORMED BY S&ME,INC. ON JUNE 2017 TO JULY 2017. THE BORING LOCATIONS ARE SHOWN ON THE PLANS. THE GEOTECHNICAL INVESTIGATION REPORT IS PROVIDED IN THE SPECIFICATIONS.

LEGEND - SECTION VIEWS


















	NON-WOVEN GEOTEXTILE FABRIC		EXISTING WATER BOTTOM
	CONSTRUCTED MARSH FILL		EQUIPMENT ACCESS CORRIDOR
	EARTHEN CONTAINMENT DIKE		MARSH NOURISHMENT AREA
	BORROW AREA		

SUMMARY OF ESTIMATED QUANTITIES

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY¹
1	GENERAL MOBILIZATION/DEMOBILIZATION (TS-100)	LS	1
2	SURVEYS (TS-210)	LS	1
3	EARTHEN CONTAINMENT DIKES (TS-300)	LF	31,000
4	ACCESS AND FLOATATION CHANNELS (TS-330)	CY	70,000
5	ARTICULATED CONCRETE MATS (TS-600)	SY	25,000
6	250-LB CLASS ROCK (TS-720)	CY	21,950
7	HYDRAULIC DREDGING AND MARSH FILL (TS-400)²	CY	1,140,118
8	GEOGRID (TS-620)	SY	17,000
9	NON-WOVEN GEOTEXTILE (TS-640)	SY	25,000
10	SETTLEMENT PLATES (TS-250)	EA	7

1. THE QUANTITIES SHOWN WERE CALCULATED FROM THE DESIGN SURVEY. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES 25% 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 OF THE MARSH CREATION BORROW AREA.

LEGEND - PLAN VIEWS

	DREDGE PIPELINE CORRIDOR
	EARTHEN CONTAINMENT DIKE
	EARTHEN CONTAINMENT DIKE BORROW AREA
	EARTHEN PLUG
	EQUIPMENT ACCESS CORRIDOR
	MARSH CREATION AREA
	MARSH CREATION BORROW AREA
	MARSH CREATION BORROW AREA ACCESS CORRIDOR
	MARSH NOURISHMENT AREA
SP-1 	SETTLEMENT PLATE
B-1 	SOIL BORING
	SURVEY MONUMENT
	SURVEY TRANSECT
	TEMPORARY SPOIL
	VERIFIED PIPELINE
	UNCONTAINED MCA BOUNDARY
	UNVERIFIED PIPELINE

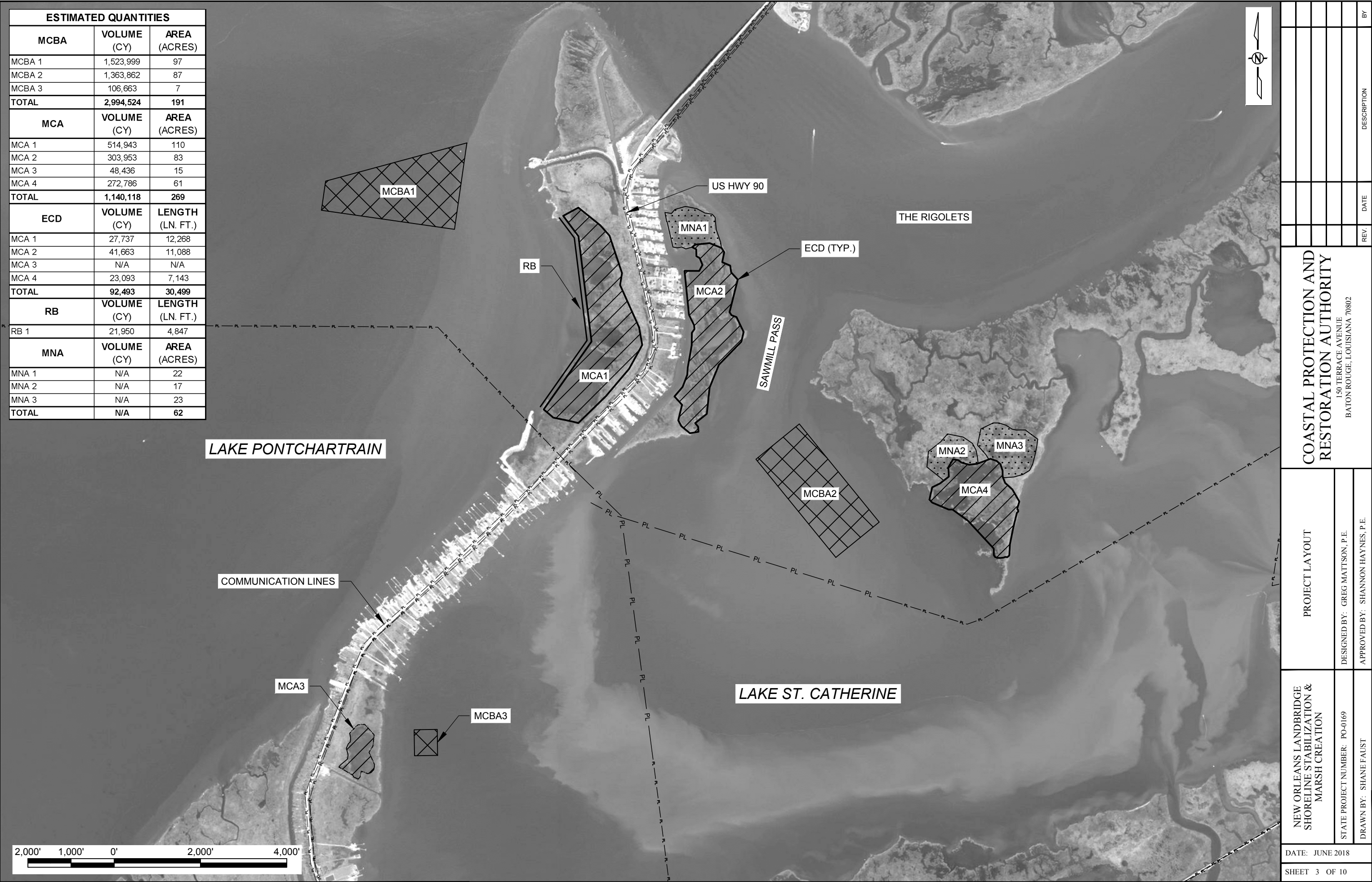
ABBREVIATIONS:

CMF	CONSTRUCTED MARSH FILL
CPT	CONE PENETRATION TEST
CY	CUBIC YARD
DP	DREDGE PIPELINE
DPC	DREDGE PIPE CORRIDOR
EAC	EQUIPMENT ACCESS CORRIDOR
ECD	EARTHEN CONTAINMENT DIKE
ECDBA	EARTHEN CONTAINMENT DIKE BORROW AREA
EB	EXISTING BOTTOM
EP	EARTHEN PLUG
EL	ELEVATION
FT	FOOT
GR	GEOTEXTILE REINFORCEMENT
LF	LINEAR FOOT
LS	LUMP SUM
MCA	MARSH CREATION AREA
MCBA	MARSH CREATION BORROW AREA
MNA	MARSH NOURISHMENT AREA
NTS	NOT TO SCALE
PL	PIPELINE
RB	ROCK BREAKWATER
SB	SOIL BORING
SF	SQUARE FOOT
SM	SURVEY MONUMENT
SP	SETTLEMENT PLATE
ST	SURVEY TRANSECT
SY	SQUARE YARD
TS	TEMPORARY SPOIL

COASTAL PROTECTION AND
RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

GENERAL NOTES	DESIGNED BY: GREG MATTISON, P.E. - 0041999	
	APPROVED BY: SHANNON HAYNES, P.E. - 0030552	
NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION & MARSH CREA TION PROJECT	STATE PROJECT NUMBER: PO-0169	
	DRAWN BY: SHANE FAUST	

DATE: JUNE 2018

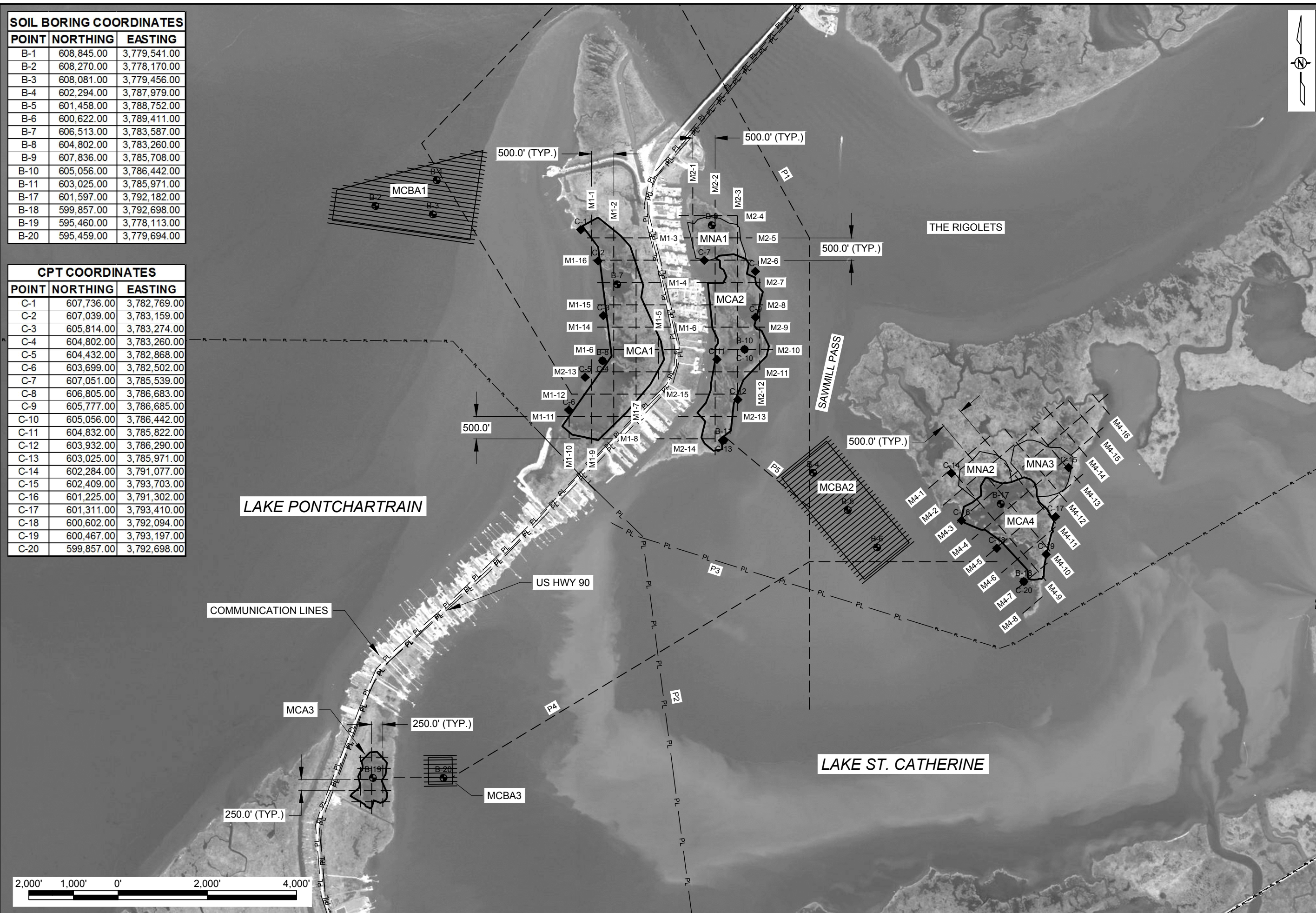


ESTIMATED QUANTITIES		
MCBA	VOLUME (CY)	AREA (ACRES)
MCBA 1	1,523,999	97
MCBA 2	1,363,862	87
MCBA 3	106,663	7
TOTAL	2,994,524	191
MCA	VOLUME (CY)	AREA (ACRES)
MCA 1	514,943	110
MCA 2	303,953	83
MCA 3	48,436	15
MCA 4	272,786	61
TOTAL	1,140,118	269
ECD	VOLUME (CY)	LENGTH (LN. FT.)
MCA 1	27,737	12,268
MCA 2	41,663	11,088
MCA 3	N/A	N/A
MCA 4	23,093	7,143
TOTAL	92,493	30,499
RB	VOLUME (CY)	LENGTH (LN. FT.)
RB 1	21,950	4,847
MNA	VOLUME (CY)	AREA (ACRES)
MNA 1	N/A	22
MNA 2	N/A	17
MNA 3	N/A	23
TOTAL	N/A	62

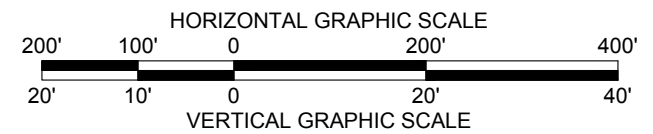
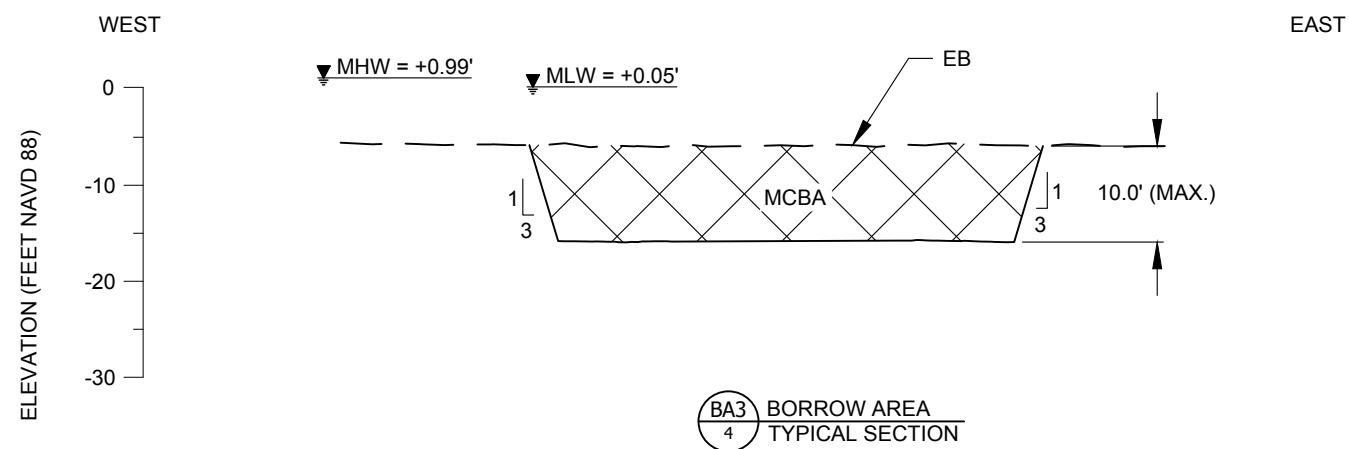
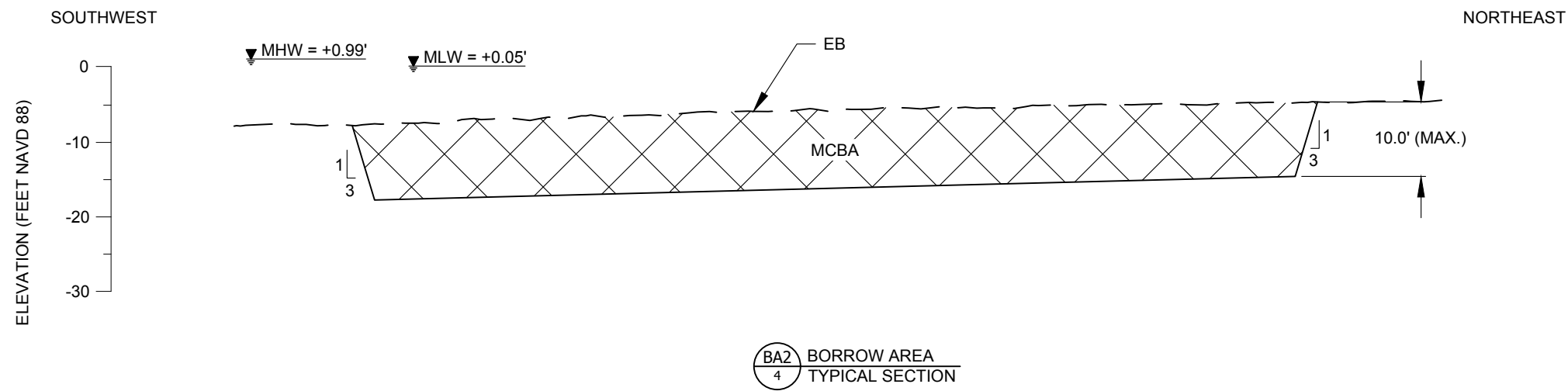
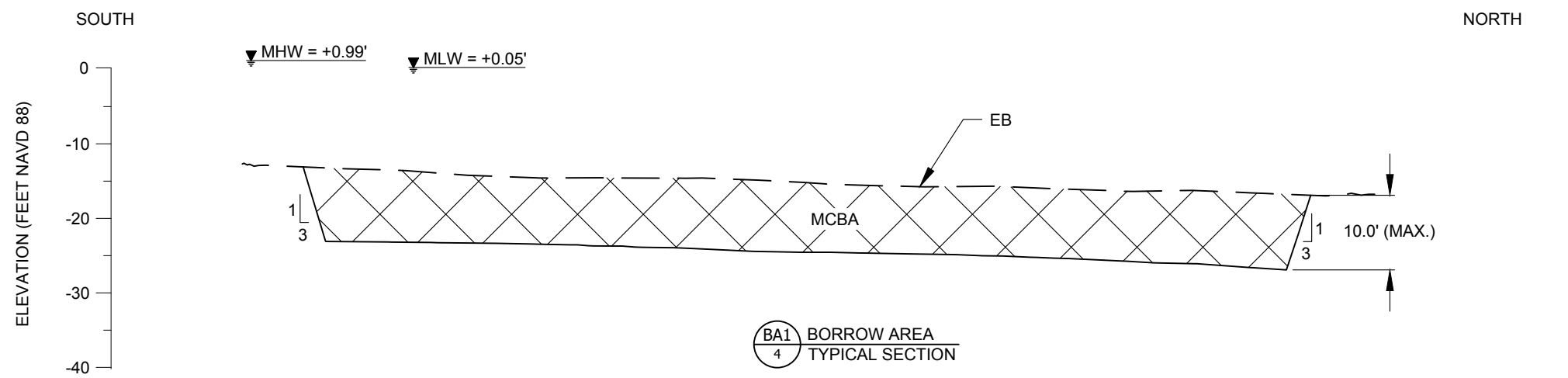
NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION & MARSH CREATION		PROJECT LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		REV.	DATE	DESCRIPTION	BY
STATE PROJECT NUMBER: PO-0169		DESIGNED BY: GREG MATTSO, P.E.							
DRAWN BY: SHANE FAUST		APPROVED BY: SHANNON HAYNES, P.E.							
DATE: JUNE 2018									
SHEET 3 OF 10									

POINT	NORTHING	EASTING
B-1	608,845.00	3,779,541.00
B-2	608,270.00	3,778,170.00
B-3	608,081.00	3,779,456.00
B-4	602,294.00	3,787,979.00
B-5	601,458.00	3,788,752.00
B-6	600,622.00	3,789,411.00
B-7	606,513.00	3,783,587.00
B-8	604,802.00	3,783,260.00
B-9	607,836.00	3,785,708.00
B-10	605,056.00	3,786,442.00
B-11	603,025.00	3,785,971.00
B-17	601,597.00	3,792,182.00
B-18	599,857.00	3,792,698.00
B-19	595,460.00	3,778,113.00
B-20	595,459.00	3,779,694.00

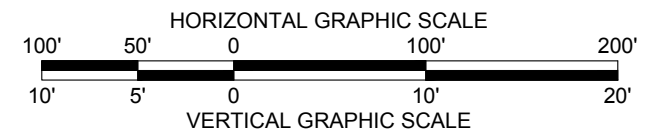
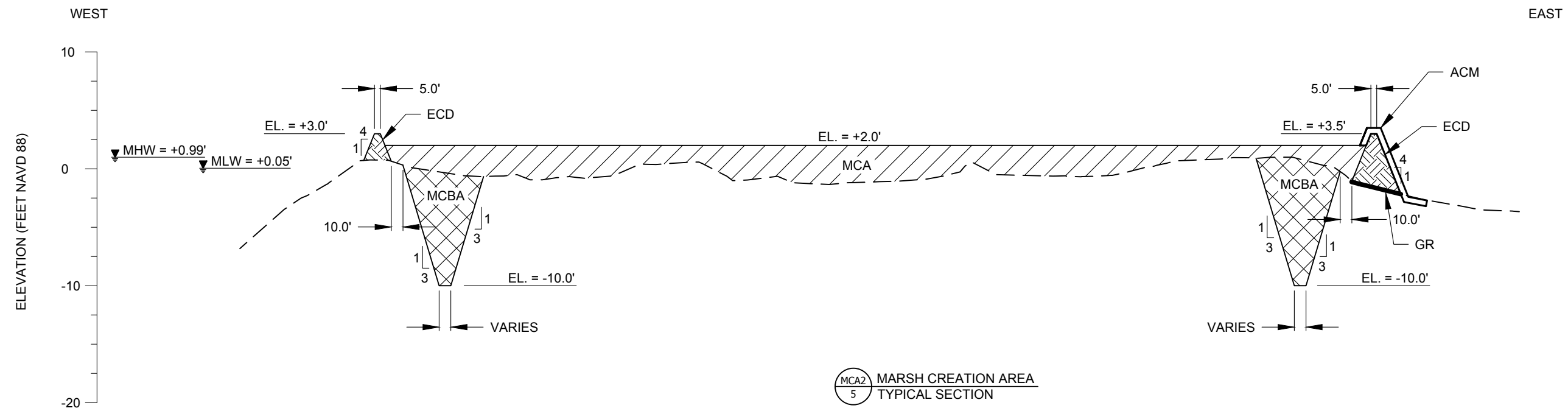
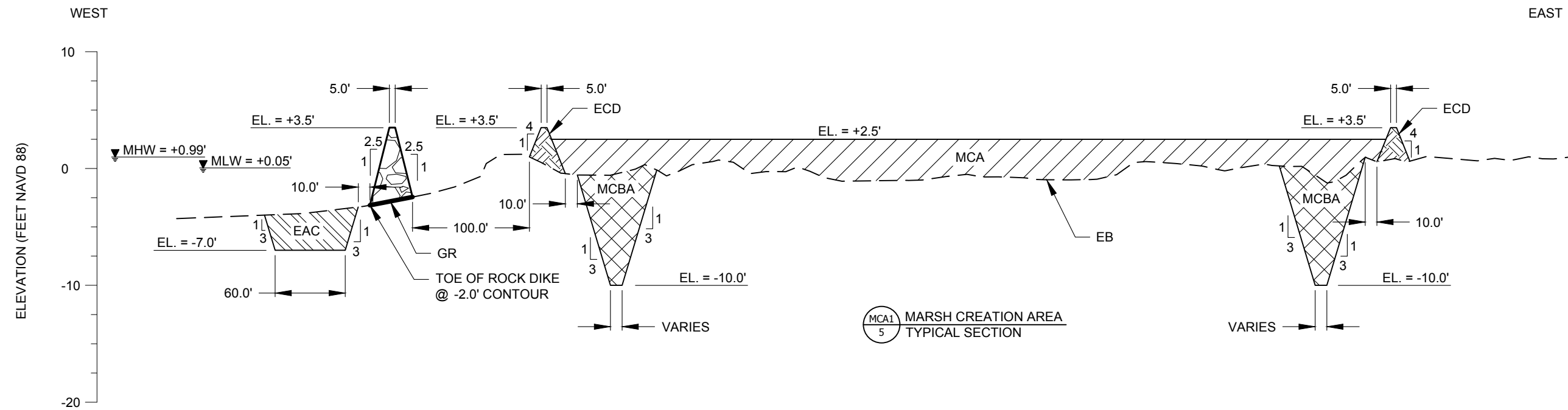
POINT	NORTHING	EASTING
C-1	607,736.00	3,782,769.00
C-2	607,039.00	3,783,159.00
C-3	605,814.00	3,783,274.00
C-4	604,802.00	3,783,260.00
C-5	604,432.00	3,782,868.00
C-6	603,699.00	3,782,502.00
C-7	607,051.00	3,785,539.00
C-8	606,805.00	3,786,683.00
C-9	605,777.00	3,786,685.00
C-10	605,056.00	3,786,442.00
C-11	604,832.00	3,785,822.00
C-12	603,932.00	3,786,290.00
C-13	603,025.00	3,785,971.00
C-14	602,284.00	3,791,077.00
C-15	602,409.00	3,793,703.00
C-16	601,225.00	3,791,302.00
C-17	601,311.00	3,793,410.00
C-18	600,602.00	3,792,094.00
C-19	600,467.00	3,793,197.00
C-20	599,857.00	3,792,698.00



NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION & MARSH CREATION		DESIGN SURVEY LAYOUT		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: PO-0169		DESIGNED BY: GREG MATTSON, P.E.					
DRAWN BY: SHANE FAUST		APPROVED BY: SHANNON HAYNES, P.E.			REV.	DATE	DESCRIPTION
							BY
DATE: JUNE 2018							
SHEET 7 OF 10							



NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION & MARSH CREATION PROJECT		BORROW AREA TYPICAL SECTIONS	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802			
STATE PROJECT NUMBER: PO-0169	DESIGNED BY: GREG MATSON, P.E.					
DRAWN BY: SHANE FAUST	APPROVED BY: SHANNON HAYNES, P.E.					
DATE: JUNE 2018		REV.		DATE	DESCRIPTION	
SHEET 8 OF 10					BY	



NEW ORLEANS LANDBRIDGE SHORELINE STABILIZATION & MARSH CREATION PROJECT		MARSH CREATION AREA TYPICAL SECTIONS	<div> COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802 </div>			
STATE PROJECT NUMBER: PO-0169	DESIGNED BY: GREG MATSON, P.E.					
DRAWN BY: SHANE FAUST	APPROVED BY: SHANNON HAYNES, P.E.					
DATE: JUNE 2018			REV.	DATE	DESCRIPTION	BY
SHEET 9 OF 10						

