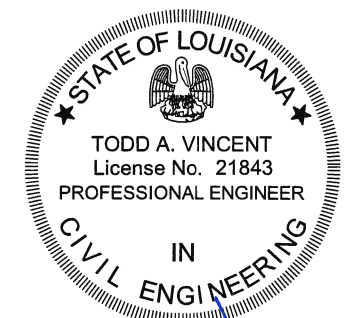
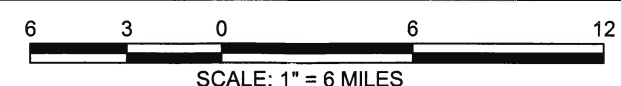
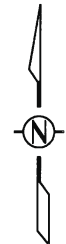
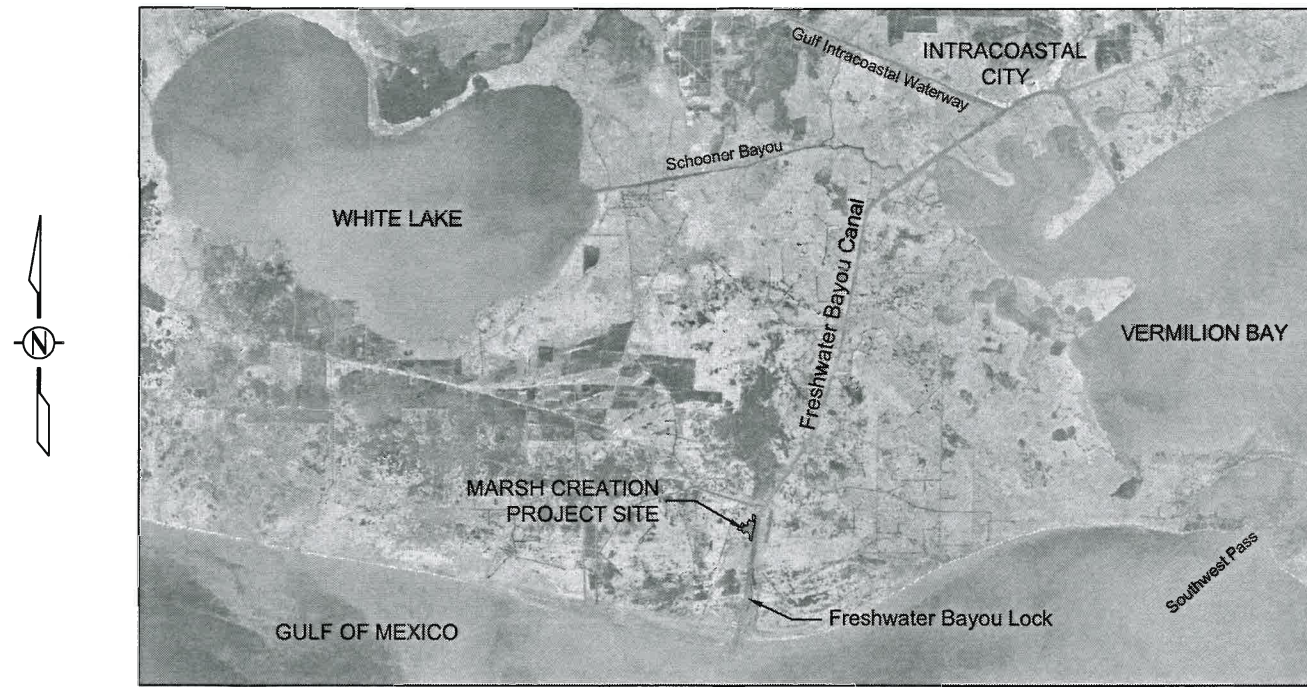
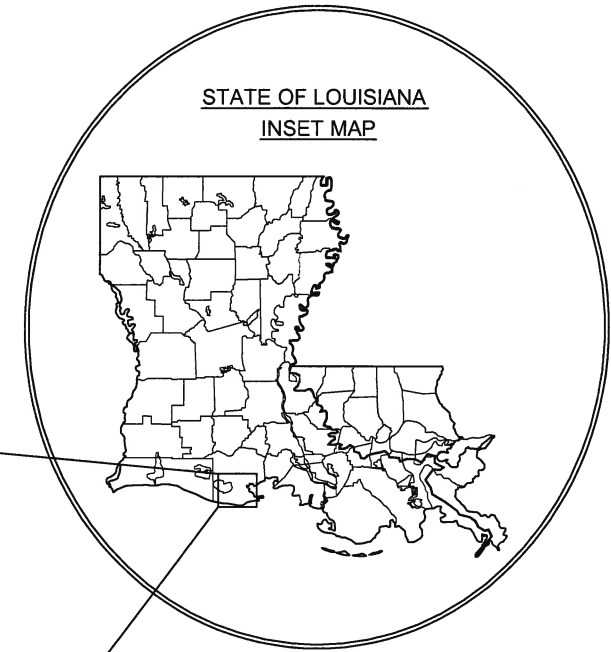


STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES & SUMMARY OF ESTIMATED QUANTITIES
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SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU
STATE PROJECT NO. ME-25SF
VERMILION PARISH



Todd A. Vincent 1/27/14
CONSULTANT PROJECT ENGINEER

Mark O. Chitt
CHIEF, CPRA ENGINEERING DIVISION

Russ J. Johnson
CPRA ENGINEER MANAGER

Kodi Collins
CPRA PROJECT ENGINEER

LICENSURE CLASSIFICATION REQUIREMENTS

MAJOR CLASSIFICATION: HEAVY CONSTRUCTION
OR
SPECIALTY CLASSIFICATION: DREDGING



STATE
PROJECT
SPONSOR

				 Sellers & Associates, Inc. <small>ENGINEERS SURVEYORS</small> <small>148-B Easy Street, Lafayette, LA 70506 (337) 282-0777</small>	COASTAL PROTECTION AND RESTORATION AUTHORITY <small>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</small>	SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU <hr/> STATE PROJECT NUMBER: ME-25SF <hr/> FEDERAL PROJECT NUMBER: ME-25SF <hr/> APPROVED BY: T. VINCENT	TITLE SHEET <hr/> DATE: JANUARY 2013 <hr/> SHEET 1 OF 38
REV.	DATE	DESCRIPTION	BY	DRAWN BY: L. CRAMER	DESIGNED BY: L. CRAMER		
	1	1/27/2014	ADD SPECIALTY CLASSIFICATION: DREDGING	NAS			

GENERAL NOTES

- ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88, 2006.81) (GEOID 03, 2004.65), U. S. SURVEY FEET (FEET). ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD83, LOUISIANA STATE PLANE, SOUTH ZONE, U. S. FEET). ELEVATIONS SHOWN ON PLANS ARE BASED ON SURVEYS COMPLETED ON 12/15/2008 BY JOHN CHANCE LAND SURVEYS, INC. IMAGERY REPRODUCED FROM 2008 DOQQ AERIAL PHOTOGRAPHY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING FROM A NAVIGABLE WATER BODY TO THE PROJECT AREA. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT PLAN AREA AND DREDGING ONLY WITHIN THE LIMITS OF THE BORROW AREA. CONTAINMENT DIKE CONSTRUCTION AND MAINTENANCE EQUIPMENT SHALL ACCESS THE MARSH CREATION AREA IN A MANNER WHICH MINIMIZES DAMAGE TO ADJACENT MARSH SUBJECT TO THE ENGINEER'S APPROVAL. THE ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE EQUIPMENT LOCATION DURING CONSTRUCTION.
- ALL EQUIPMENT SHALL BE FLOATING AT ALL TIMES DURING THE TRANSIT TO AND FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS FIVE (5) WORKING DAYS PRIOR TO MOBILIZATION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CLEARANCES FROM THE PIPELINES SET FORTH IN THE PLAN DRAWINGS OR IN THE BID DOCUMENTS. SEE SP-11 "LAND OWNER AND PIPELINE REQUIREMENTS". NO EXCAVATION IS ALLOWED WITHIN ANY AREA RESTRICTED BY PIPELINE COMPANIES AND SET FORTH ON THE PLANS. THE FOLLOWING IS A LIST OF UTILITIES AND PIPELINE OPERATORS KNOWN TO HAVE PIPELINES IN THE VICINITY. PIPELINE LOCATIONS SHOWN ARE APPROXIMATIONS. THE OWNER IS NOT LIABLE FOR EXACT LOCATIONS. THE CONTRACTOR MUST CALL LOUISIANA ONE CALL AT (800) 272-3020 AT LEAST 5 WORKING DAYS PRIOR TO MOBILIZATION.

<u>EL PASO / TENNESSEE GAS</u> CONTACT: JEFF FAWCETT PHONE: (337) 738-6124 E-MAIL: Jeff.fawcett@elpaso.com	<u>TRANSCO / WILLIAMS</u> CONTACT: KEVIN WILKERSON PHONE: (337) 457-3602	<u>UNOCAL / CHEVRON</u> CONTACT: DANNY TRAHAN PHONE: (337) 898-3038 MOBILE: (337) 523-4651 PIPE SIZES: 4" & 6"	<u>ACADIAN GAS / EPCO</u> CONTACT: BUDDY PIERCE PHONE: (337) 351-1439
---	--	--	---

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING ADJACENT LANDOWNERS/LESSEES AT LEAST FIVE (5) WORKING DAYS PRIOR TO MOBILIZATION.

<u>EXXON MOBIL CORPORATION</u> CONTACT: PEGGY CARR PHONE: (713) 431-1486	<u>VERMILION CORPORATION</u> PHONE: (337) 893-0268 E-MAIL: bayou@connections-lct.com
--	--

- PLANS AND BID DOCUMENTS ARE COMPLEMENTARY; WHAT IS REQUIRED IN ONE IS AS 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.
- MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) WERE CALCULATED USING GAGE READINGS FROM USACE GAUGE, SCHOONER BAYOU CONTROL STRUCTURE - EAST (76600) AND THE NOAA GAGE, FRESHWATER BAYOU CANAL LOCKS (8766072) DURING THE TIDAL EPOCH OF 1983-2001. SINCE THIS GAGE IS REFERENCED TO THE MEAN LOW GULF DATUM, A CORRELATION IN THE VERTICAL DATUMS WAS APPLIED TO REPORT GAGE READINGS FOR THE PROJECT VERTICAL REFERENCED DATUM OF NAVD 88, 2006.81, US FEET.
- THE MARSH CREATION AREA MAY BE REVISED BY THE ENGINEER AT THE TIME OF CONSTRUCTION TO REFLECT CHANGES IN FIELD CONDITIONS.
- 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.
- ESTIMATED DREDGE QUANTITIES SHOWN ARE FOR BIDDING PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED ENDING ON 12/15/2008. THE VOLUMES WERE AVERAGED TO DETERMINE THE BID QUANTITIES. ACTUAL QUANTITIES WILL BE BASED ON A SURVEY DONE AS PART OF THIS CONTRACT AS REQUIRED IN TS 210 "CONSTRUCTION SURVEYS" OF THE SPECIFICATIONS. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.

QUANTITIES SHOWN ARE FOR BID PURPOSES ONLY AND WERE CALCULATED ACCORDING TO CONDITIONS SURVEYED ENDING ON 12/15/2008. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.



REV.	DATE	DESCRIPTION	BY



- THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE BORROW AREA. 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 MOBILIZATION. MAGNETOMETER LINES SHALL BE RUN ALONG THE CENTERLINE ALIGNMENT OF ACCESS CHANNELS. MAGNETOMETER LINES IN THE BORROW AREA SHALL FORM A GRID PATTERN WITH A MAXIMUM OFFSET OF 500' APART AND SHALL BE ORIENTED NORTH/SOUTH AND EAST/WEST. THE DRAWING SHALL BE STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR OR PROFESSIONAL ENGINEER LICENSED IN THE STATE OF LOUISIANA. SEE SECTION TS-210.2.6 "MAGNETOMETER SURVEY" FOR ADDITIONAL REQUIREMENTS.
- IN ADDITION TO THE MARSH CREATION PROJECT, A BANK STABILIZATION PROJECT MAY BE UNDER CONSTRUCTION OR MAY HAVE BEEN CONSTRUCTED PRIOR TO THIS MARSH CREATION PROJECT. THE ROCK DIKES SHOWN ARE TO BE CONSTRUCTED UNDER THE "CIAP FRESHWATER BAYOU BANK STABILIZATION PROJECT, STATE PROJECT NO. TV-11b(EB)".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY MAINTAINING PUBLIC ACCESS WITHIN THE FRESHWATER BAYOU CHANNEL AND ALL NAVIGABLE LATERAL CHANNELS THAT THE SLURRY PIPELINE CROSSES INCLUDING HUMBLE CANAL AND UNION CANAL. THE CONTRACTOR SHALL PROVIDE A PROPOSED LAYOUT AND METHOD FOR CROSSING CHANNELS IN THE WORK PLAN FOR APPROVAL BY THE ENGINEER.

SUMMARY OF ESTIMATED QUANTITIES

BASE BID

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
101	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
210	MARSH CREATION SURVEYS	LUMP SUM	1
230	GRADE STAKES AND FLAGGING	EACH	16
330	HYDRAULIC DREDGING AND MARSH FILL (CUT VOLUME)	CUBIC YARDS	494,274
401	CONTAINMENT DIKES	LINEAR FEET	9,955
501	MARSH SETTLEMENT PLATES	EACH	2

ADDITIVE ALTERNATE NO. 1

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
101	ADDITIONAL MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
210	ADDITIONAL MARSH CREATION SURVEYS	LUMP SUM	1
230	ADDITIONAL GRADE STAKES AND FLAGGING	EACH	4
330	ADDITIONAL HYDRAULIC DREDGING AND MARSH FILL (CUT VOLUME)	CUBIC YARDS	161,226
401	ADDITIONAL CONTAINMENT DIKES	LINEAR FEET	329
501	ADDITIONAL MARSH SETTLEMENT PLATES	EACH	1

ADDITIVE ALTERNATE NO. 2

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
101	ADDITIONAL MOBILIZATION AND DEMOBILIZATION	LUMP SUM	1
210	ADDITIONAL MARSH CREATION SURVEYS	LUMP SUM	1
230	ADDITIONAL GRADE STAKES AND FLAGGING	EACH	5
330	ADDITIONAL HYDRAULIC DREDGING AND MARSH FILL (CUT VOLUME)	CUBIC YARDS	267,690
401	ADDITIONAL CONTAINMENT DIKES	LINEAR FEET	1,987

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

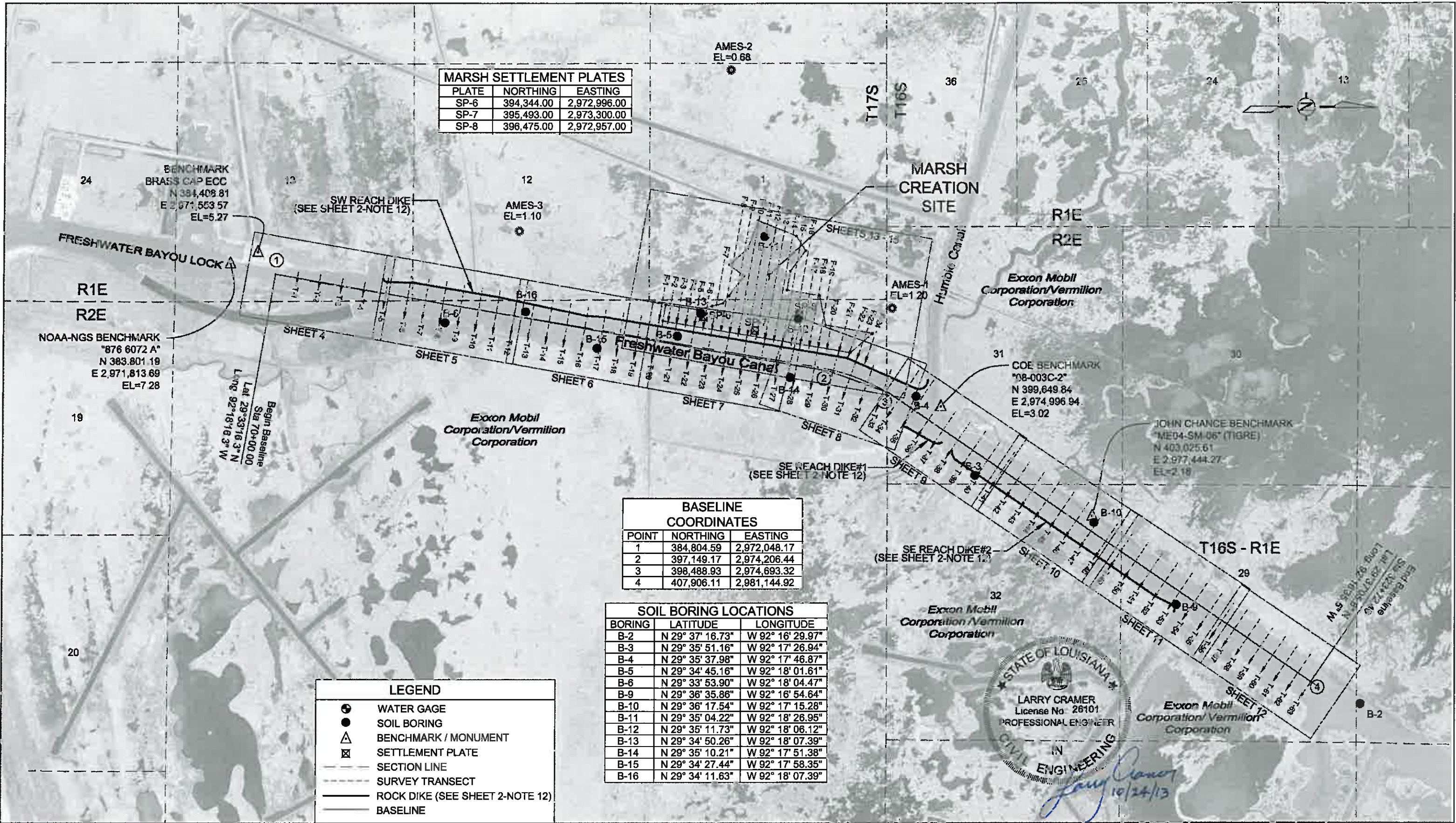
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

GENERAL NOTES &
SUMMARY OF
ESTIMATED QUANTITIES

DATE: JANUARY 2013

SHEET 2 OF 38



MARSH SETTLEMENT PLATES		
PLATE	NORTHING	EASTING
SP-6	394,344.00	2,972,996.00
SP-7	395,493.00	2,973,300.00
SP-8	396,475.00	2,972,957.00

BASELINE COORDINATES		
POINT	NORTHING	EASTING
1	384,804.59	2,972,048.17
2	397,149.17	2,974,206.44
3	398,488.93	2,974,693.32
4	407,906.11	2,981,144.92

SOIL BORING LOCATIONS		
BORING	LATITUDE	LONGITUDE
B-2	N 29° 37' 16.73"	W 92° 16' 29.97"
B-3	N 29° 35' 51.16"	W 92° 17' 26.94"
B-4	N 29° 35' 37.98"	W 92° 17' 46.87"
B-5	N 29° 34' 45.16"	W 92° 18' 01.61"
B-6	N 29° 33' 53.90"	W 92° 18' 04.47"
B-9	N 29° 36' 35.86"	W 92° 16' 54.64"
B-10	N 29° 36' 17.54"	W 92° 17' 15.28"
B-11	N 29° 35' 04.22"	W 92° 18' 26.95"
B-12	N 29° 35' 11.73"	W 92° 18' 06.12"
B-13	N 29° 34' 50.26"	W 92° 18' 07.39"
B-14	N 29° 35' 10.21"	W 92° 17' 51.38"
B-15	N 29° 34' 27.44"	W 92° 17' 58.35"
B-16	N 29° 34' 11.63"	W 92° 18' 07.39"

LEGEND		
	WATER GAGE	
	SOIL BORING	
	BENCHMARK / MONUMENT	
	SETTLEMENT PLATE	
	SECTION LINE	
	SURVEY TRANSECT	
	ROCK DIKE (SEE SHEET 2-NOTE 12)	
	BASELINE	

STATE OF LOUISIANA
 LARRY CRAMER
 License No. 26101
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
Larry Cramer
 10/24/13



REV.	DATE	DESCRIPTION	BY

Sellers & Associates, Inc.
 ENGINEERS SURVEYORS
 146-B Bay Street, Lafayette, LA 70506 (807) 238-0777

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER

DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

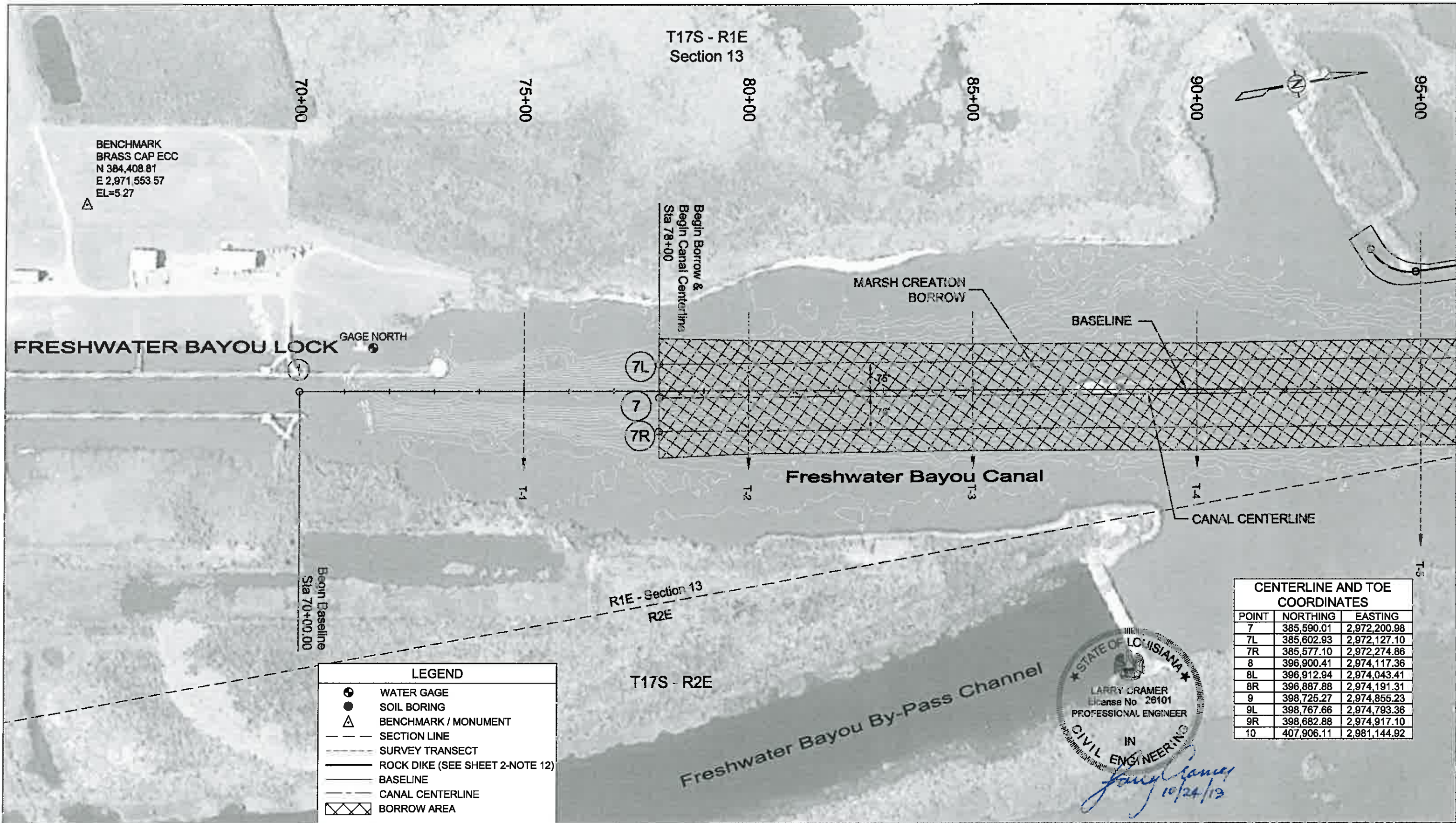
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

PLAN LAYOUT
 OVERALL AREA

DATE: JANUARY 2013

SHEET 3 OF 38



BENCHMARK
BRASS CAP ECC
N 384,408.81
E 2,971,553.57
EL=5.27

FRESHWATER BAYOU LOCK

GAGE NORTH

T17S - R1E
Section 13

Begin Borrow &
Begin Canal Centerline
Sta 78+00

MARSH CREATION
BORROW

BASELINE

Freshwater Bayou Canal

CANAL CENTERLINE

Begin Baseline
Sta 70+00.00

R1E - Section 13
R2E

T17S - R2E

Freshwater Bayou By-Pass Channel

CENTERLINE AND TOE COORDINATES		
POINT	NORTHING	EASTING
7	385,590.01	2,972,200.98
7L	385,602.93	2,972,127.10
7R	385,577.10	2,972,274.86
8	396,900.41	2,974,117.36
8L	396,912.94	2,974,043.41
8R	396,887.88	2,974,191.31
9	398,725.27	2,974,855.23
9L	398,767.66	2,974,793.36
9R	398,682.88	2,974,917.10
10	407,906.11	2,981,144.92

LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	SECTION LINE		
	SURVEY TRANSECT		
	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	BORROW AREA		

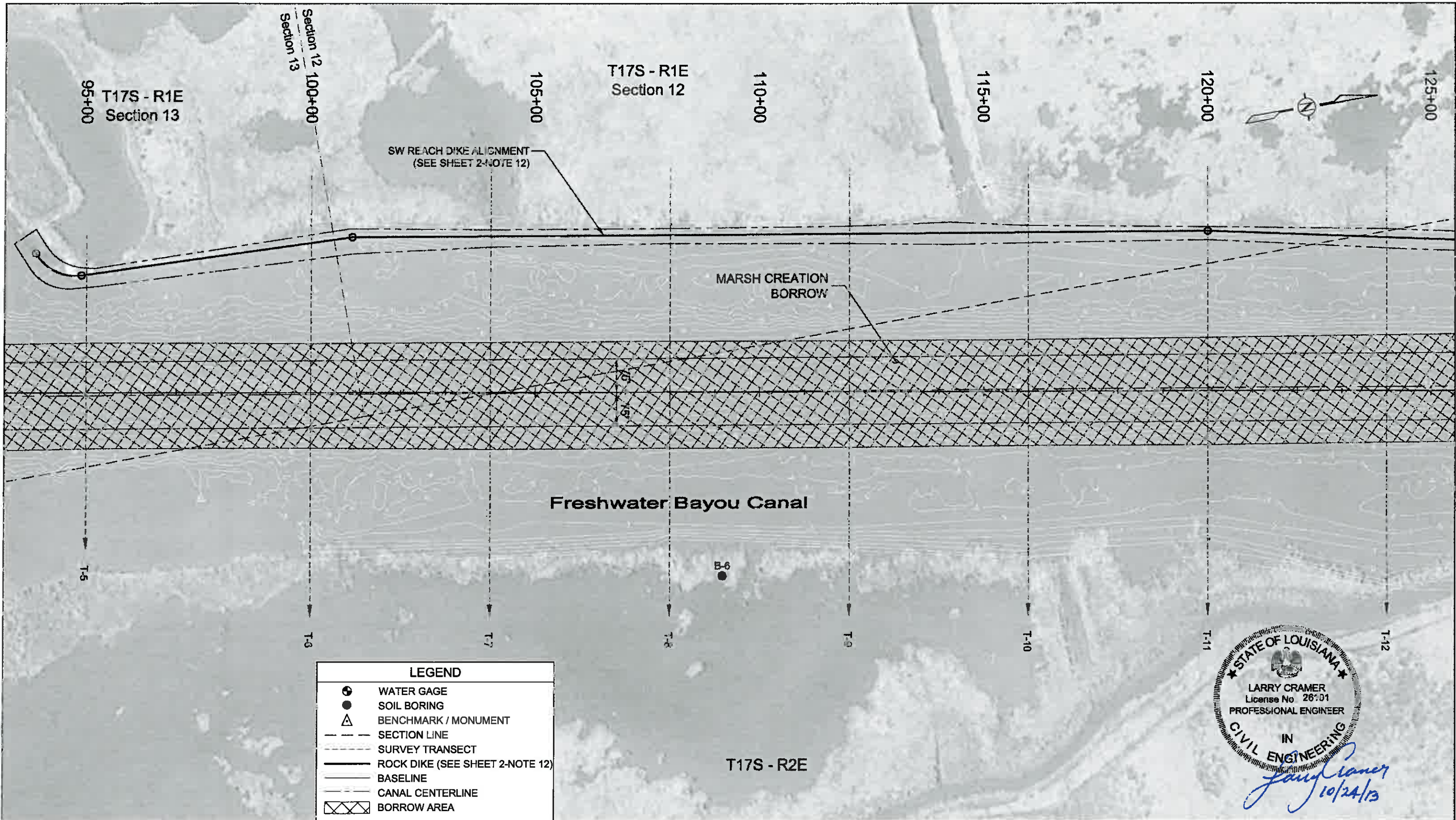
STATE OF LOUISIANA
LARRY CRAMER
License No. 26101
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Larry Cramer
10/24/13



REV.	DATE	DESCRIPTION	BY

Sellers & Associates, Inc.
ENGINEERS SURVEYORS
148-B Bay Street, Lafayette, LA 70508 (337) 233-0777

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU		PLAN LAYOUT BORROW AREA
		STATE PROJECT NUMBER: ME-25SF		
DRAWN BY: L. CRAMER		DESIGNED BY: L. CRAMER		DATE: JANUARY 2013
APPROVED BY: T. VINCENT		SHEET 4 OF 38		



LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	SECTION LINE		
	SURVEY TRANSECT		
	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	BORROW AREA		

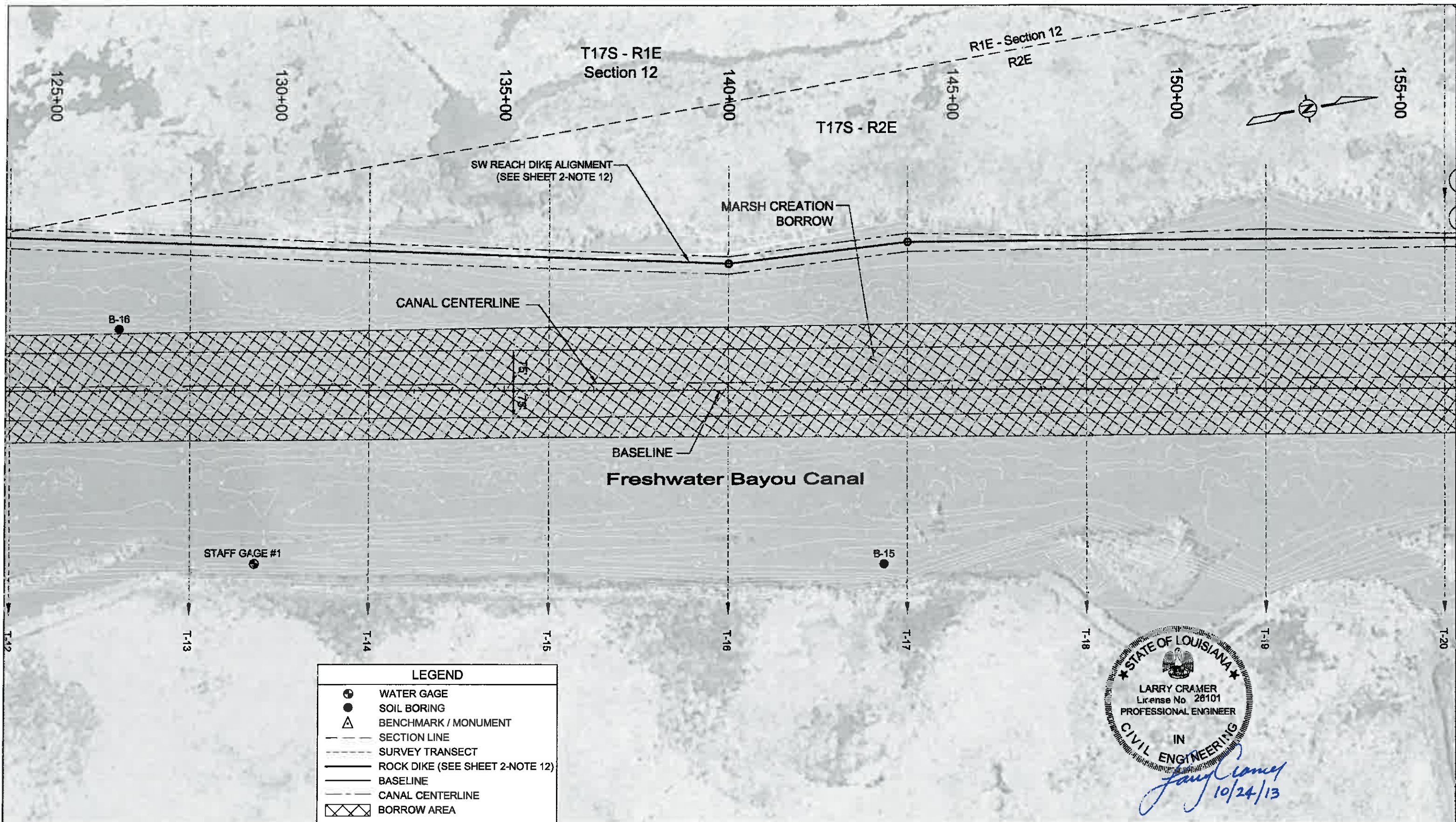
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COASTAL PROTECTION AND RESTORATION AUTHORITY	
450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
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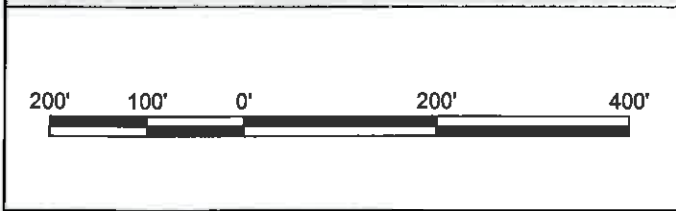
SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU
STATE PROJECT NUMBER: ME-25SF
FEDERAL PROJECT NUMBER: ME-25SF
APPROVED BY: T. VINCENT

PLAN LAYOUT BORROW AREA
DATE: JANUARY 2013
SHEET 5 OF 38



LEGEND			
⊕	WATER GAGE		
●	SOIL BORING		
△	BENCHMARK / MONUMENT		
---	SECTION LINE		
---	SURVEY TRANSECT		
---	ROCK DIKE (SEE SHEET 2-NOTE 12)		
---	BASELINE		
---	CANAL CENTERLINE		
▨	BORROW AREA		

STATE OF LOUISIANA
 LARRY CRAMER
 License No. 28101
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
Larry Cramer
 10/24/13



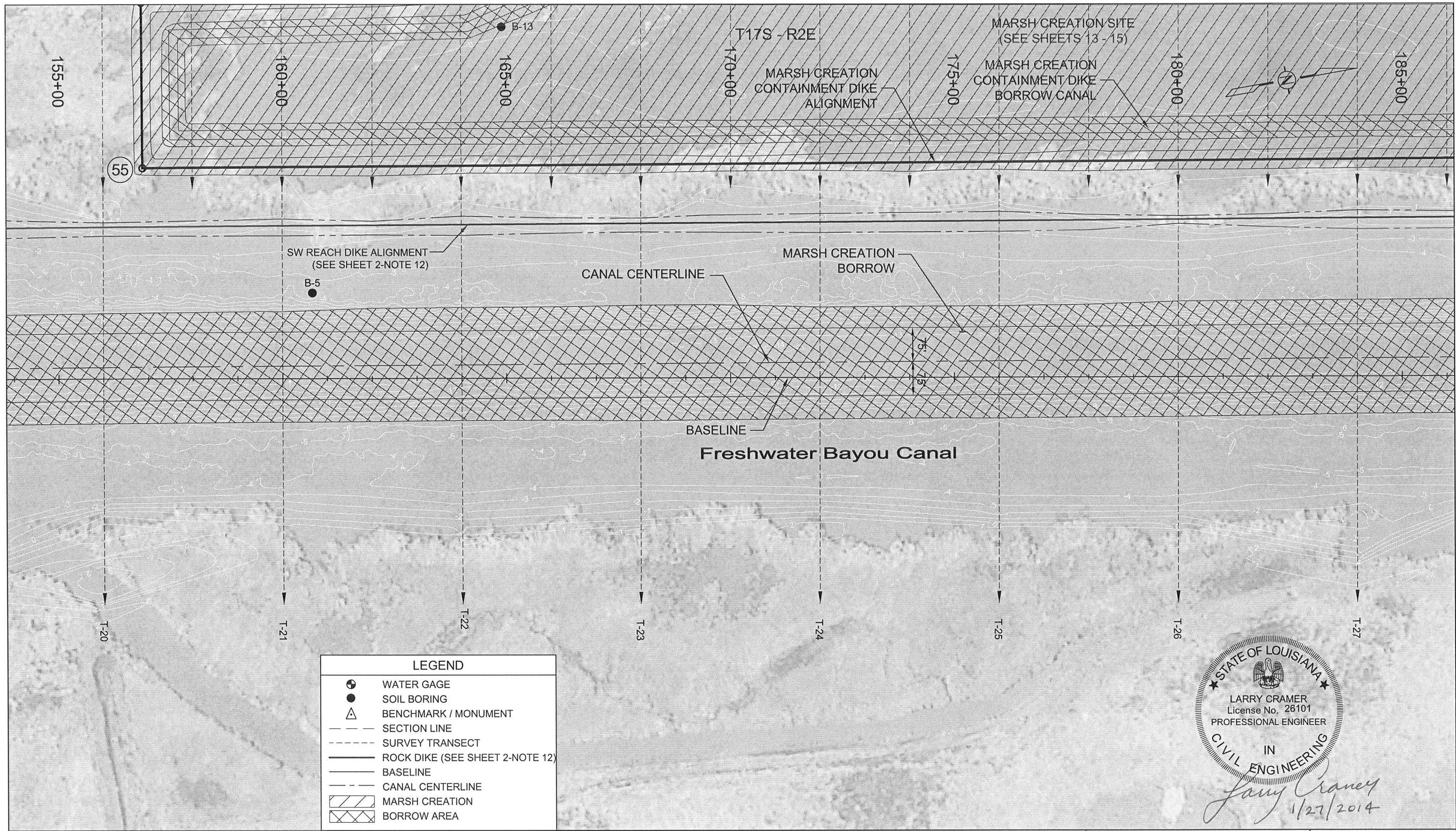
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COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

PLAN LAYOUT
 BORROW AREA
 DATE: JANUARY 2013
 SHEET 6 OF 38



LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	SECTION LINE		
	SURVEY TRANSECT		
	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	MARSH CREATION		
	BORROW AREA		

STATE OF LOUISIANA
 LARRY CRAMER
 License No. 26101
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
Larry Cramer
 1/27/2014



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	ELIMINATE MARSH CREATION FILL AREA	NAS

Sellers & Associates, Inc.
 ENGINEERS SURVEYORS
 148-B Easy Street, Lafayette, LA 70508 (337) 232-9777

COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

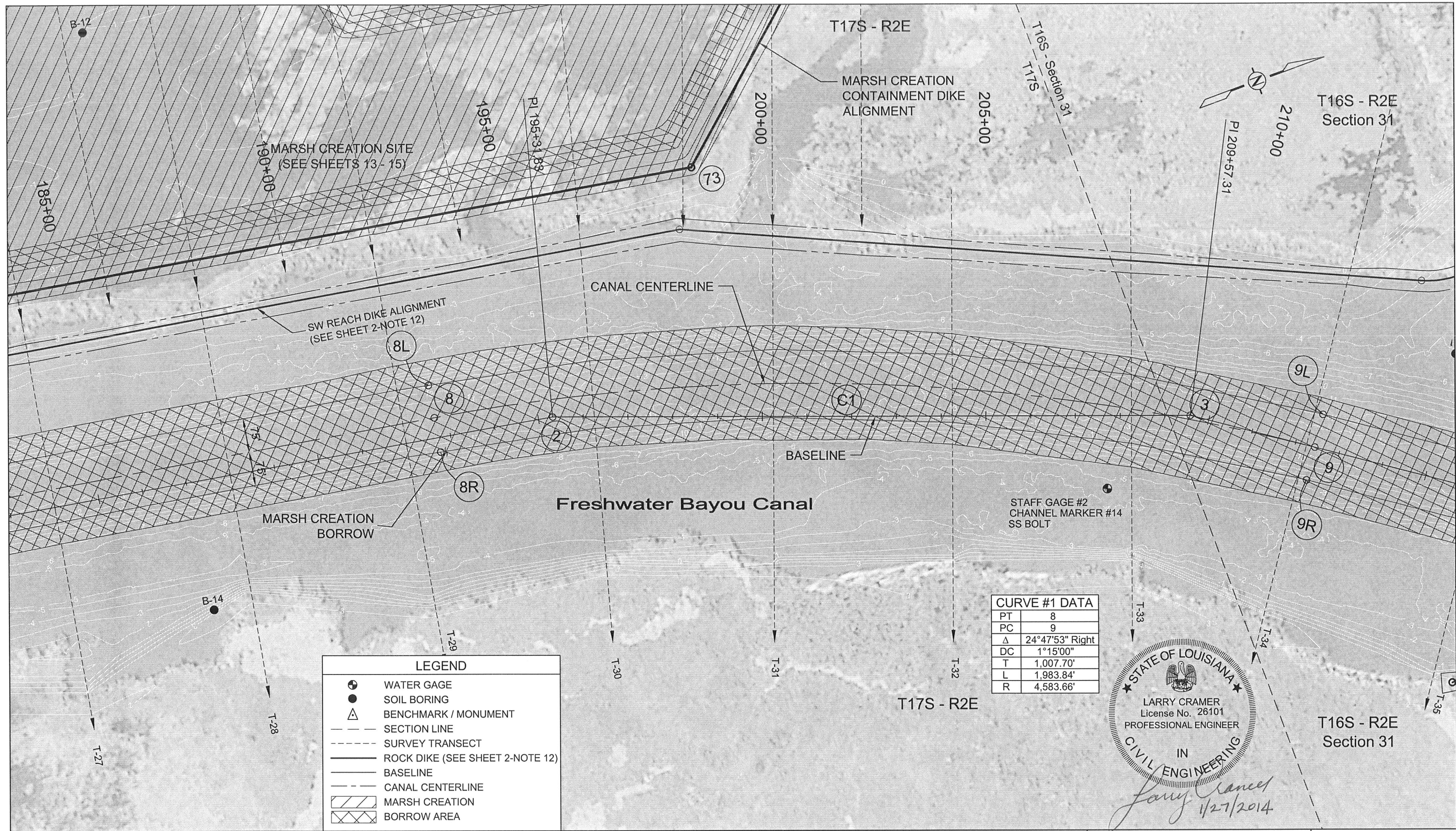
DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

PLAN LAYOUT BORROW AREA

DATE: JANUARY 2013
 SHEET 7 OF 38



CURVE #1 DATA	
PT	8
PC	9
Δ	24°47'53" Right
DC	1°15'00"
T	1,007.70'
L	1,983.84'
R	4,583.66'

LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	SECTION LINE		
	SURVEY TRANSECT		
	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	MARSH CREATION		
	BORROW AREA		



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	ELIMINATE MARSH CREATION FILL AREA	NAS

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COASTAL PROTECTION AND RESTORATION AUTHORITY
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DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

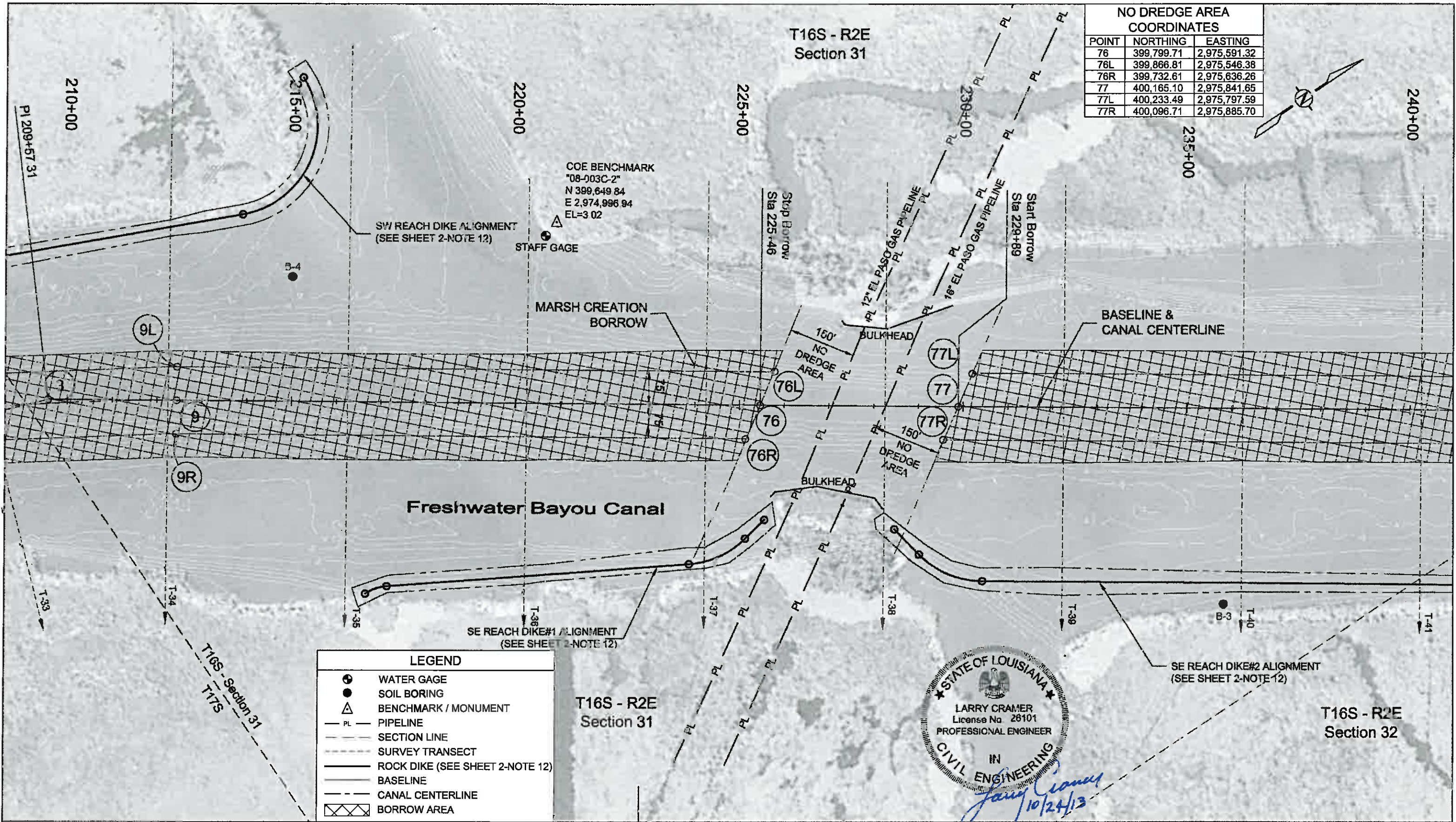
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 FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

PLAN LAYOUT
 BORROW AREA

DATE: JANUARY 2013
 SHEET 8 OF 38

N:\DATA\8242- Atkins OCPR ID\0\8242-03 FWB Marsh Creation\100% Plans\8242-03 03-15 Layouts.dwg Jan 27, 2014 13:24



NO DREDGE AREA COORDINATES		
POINT	NORTHING	EASTING
76	399,799.71	2,975,591.32
76L	399,866.81	2,975,546.38
76R	399,732.61	2,975,636.26
77	400,165.10	2,975,841.65
77L	400,233.49	2,975,797.59
77R	400,096.71	2,975,885.70

LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	PIPELINE		
	SECTION LINE		
	SURVEY TRANSECT		
	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	BORROW AREA		



REV.	DATE	DESCRIPTION	BY



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

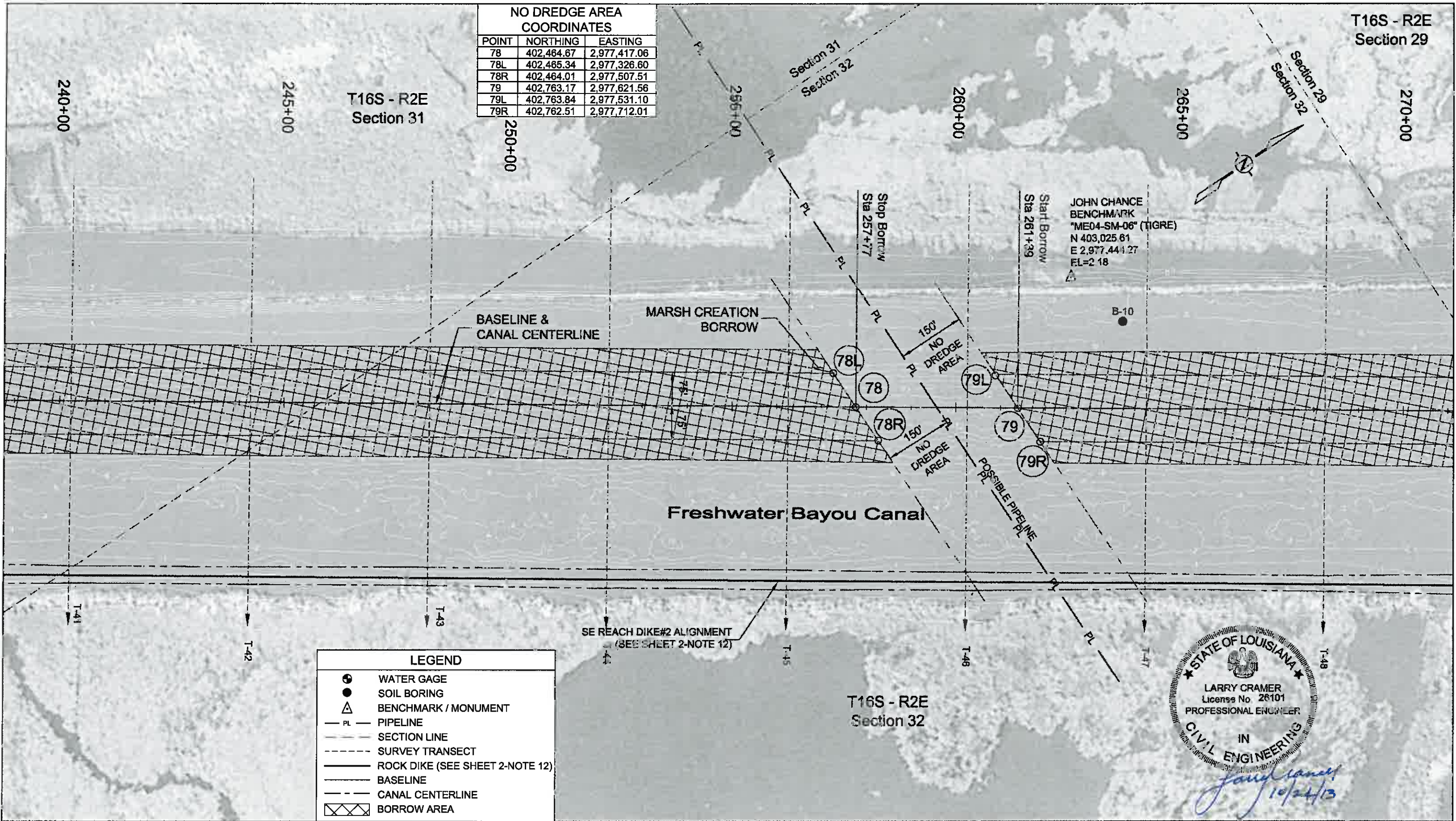
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SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

PLAN LAYOUT
 BORROW AREA

DATE: JANUARY 2013
 SHEET 9 OF 38



LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	PIPELINE		
	SECTION LINE		
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	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	BORROW AREA		



REV.	DATE	DESCRIPTION	BY

Sellers & Associates, Inc.
 ENGINEERS SURVEYORS
 140-B Bay Street, Lafayette, LA 70503 (507) 538-0777

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DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

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 NEAR FRESHWATER BAYOU

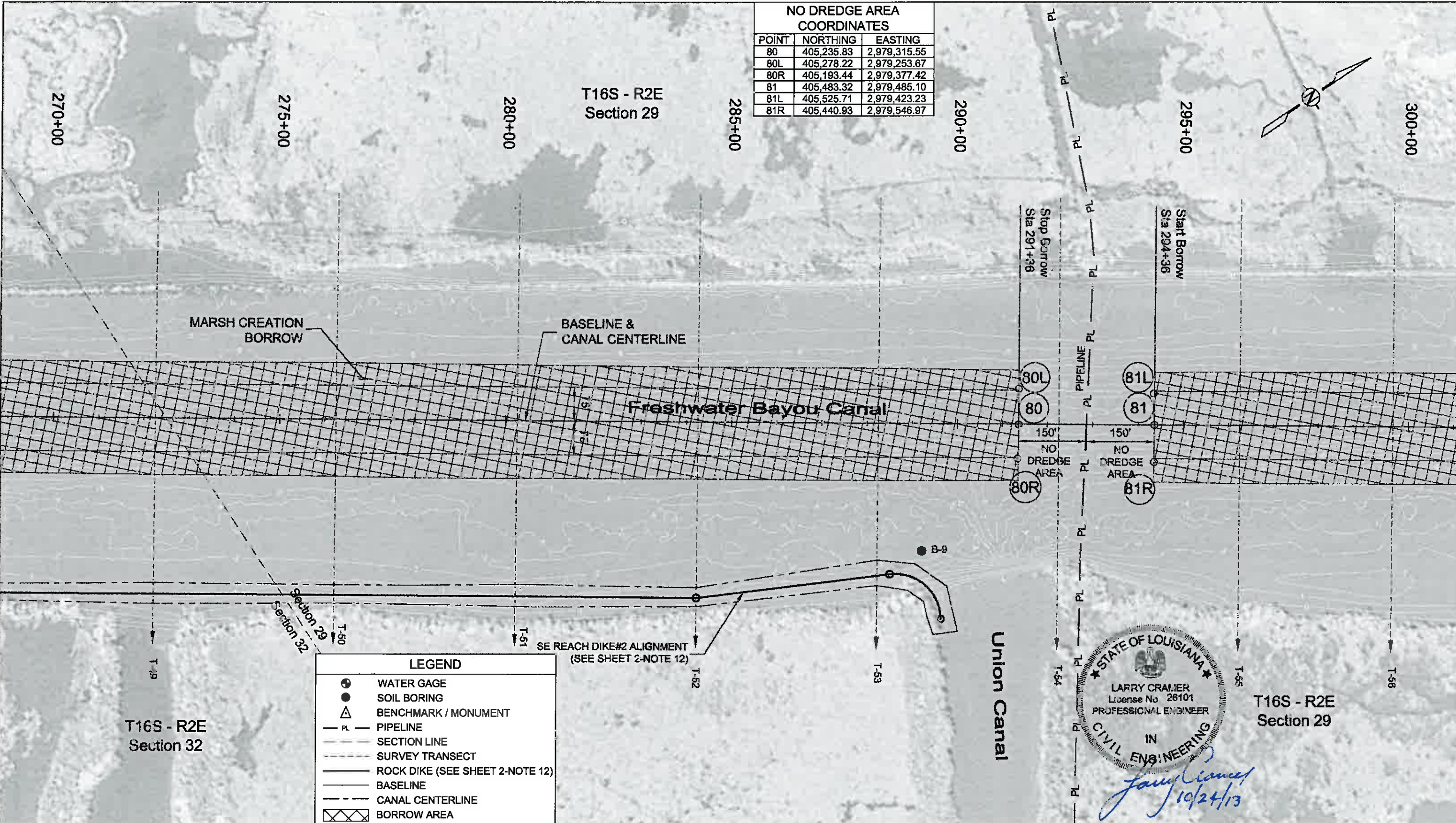
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PLAN LAYOUT
 BORROW AREA

DATE: JANUARY 2013
 SHEET 10 OF 38

NO DREDGE AREA COORDINATES		
POINT	NORTHING	EASTING
80	405,235.83	2,979,315.55
80L	405,278.22	2,979,253.67
80R	405,193.44	2,979,377.42
81	405,483.32	2,979,485.10
81L	405,525.71	2,979,423.23
81R	405,440.93	2,979,546.97



LEGEND			
	WATER GAGE		
	SOIL BORING		
	BENCHMARK / MONUMENT		
	PIPELINE		
	SECTION LINE		
	SURVEY TRANSECT		
	ROCK DIKE (SEE SHEET 2-NOTE 12)		
	BASELINE		
	CANAL CENTERLINE		
	BORROW AREA		

STATE OF LOUISIANA
 LARRY CRAMER
 License No. 26101
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
Larry Cramer
 10/24/13

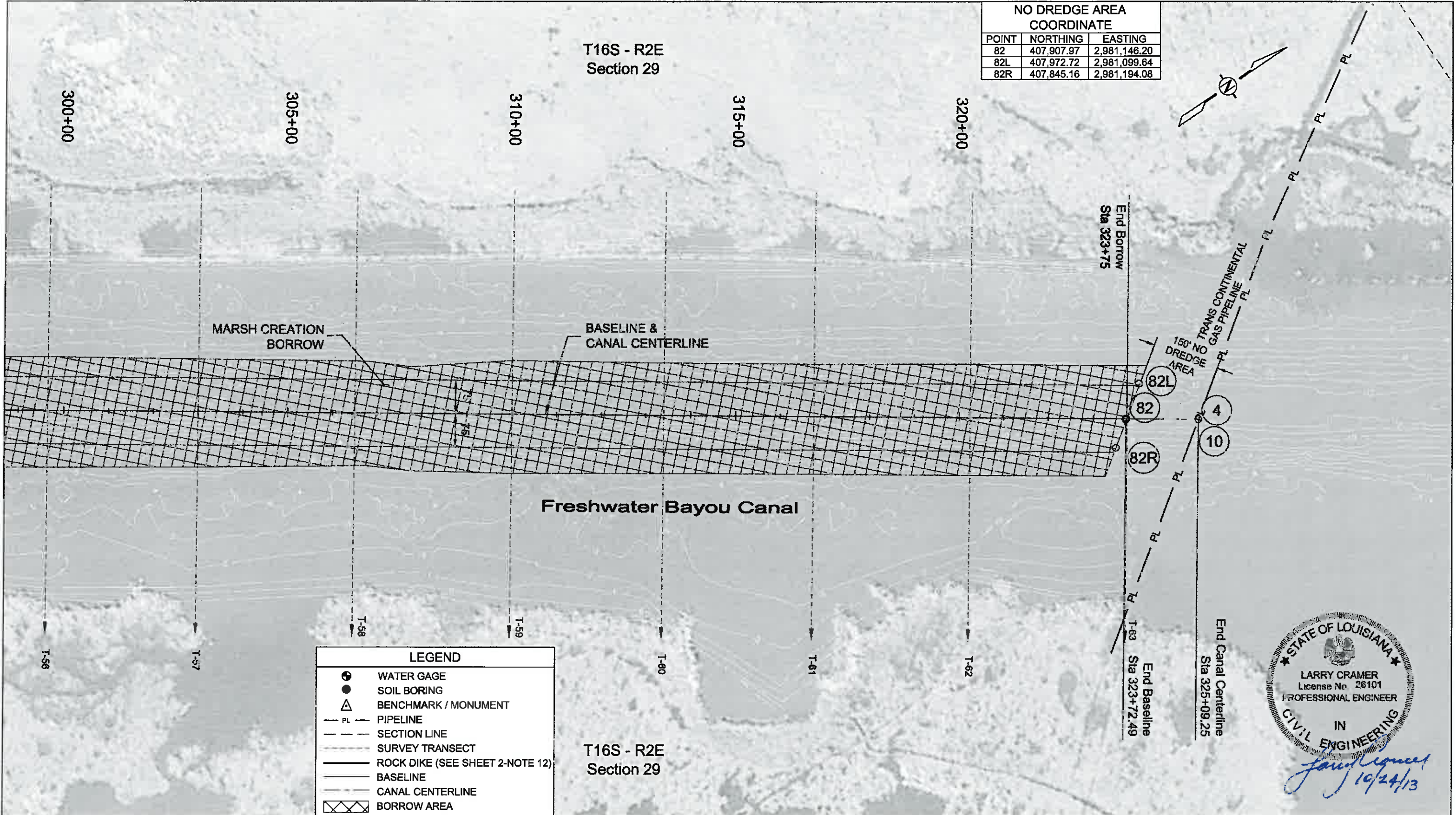


REV.	DATE	DESCRIPTION	BY

Sellers & Associates, Inc.
 ENGINEERS SURVEYORS
 148-B Bay Street, Lafayette, LA 70506 (337) 283-0777

COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU		PLAN LAYOUT BORROW AREA
		STATE PROJECT NUMBER: ME-25SF		
DRAWN BY: L. CRAMER		DESIGNED BY: L. CRAMER		DATE: JANUARY 2013
APPROVED BY: T. VINCENT		SHEET 11 OF 38		

NO DREDGE AREA COORDINATE		
POINT	NORTHING	EASTING
82	407,907.97	2,981,146.20
82L	407,972.72	2,981,099.64
82R	407,845.16	2,981,194.08



LEGEND		
	WATER GAGE	
	SOIL BORING	
	BENCHMARK / MONUMENT	
	PIPELINE	
	SECTION LINE	
	SURVEY TRANSECT	
	ROCK DIKE (SEE SHEET 2-NOTE 12)	
	BASELINE	
	CANAL CENTERLINE	
	BORROW AREA	



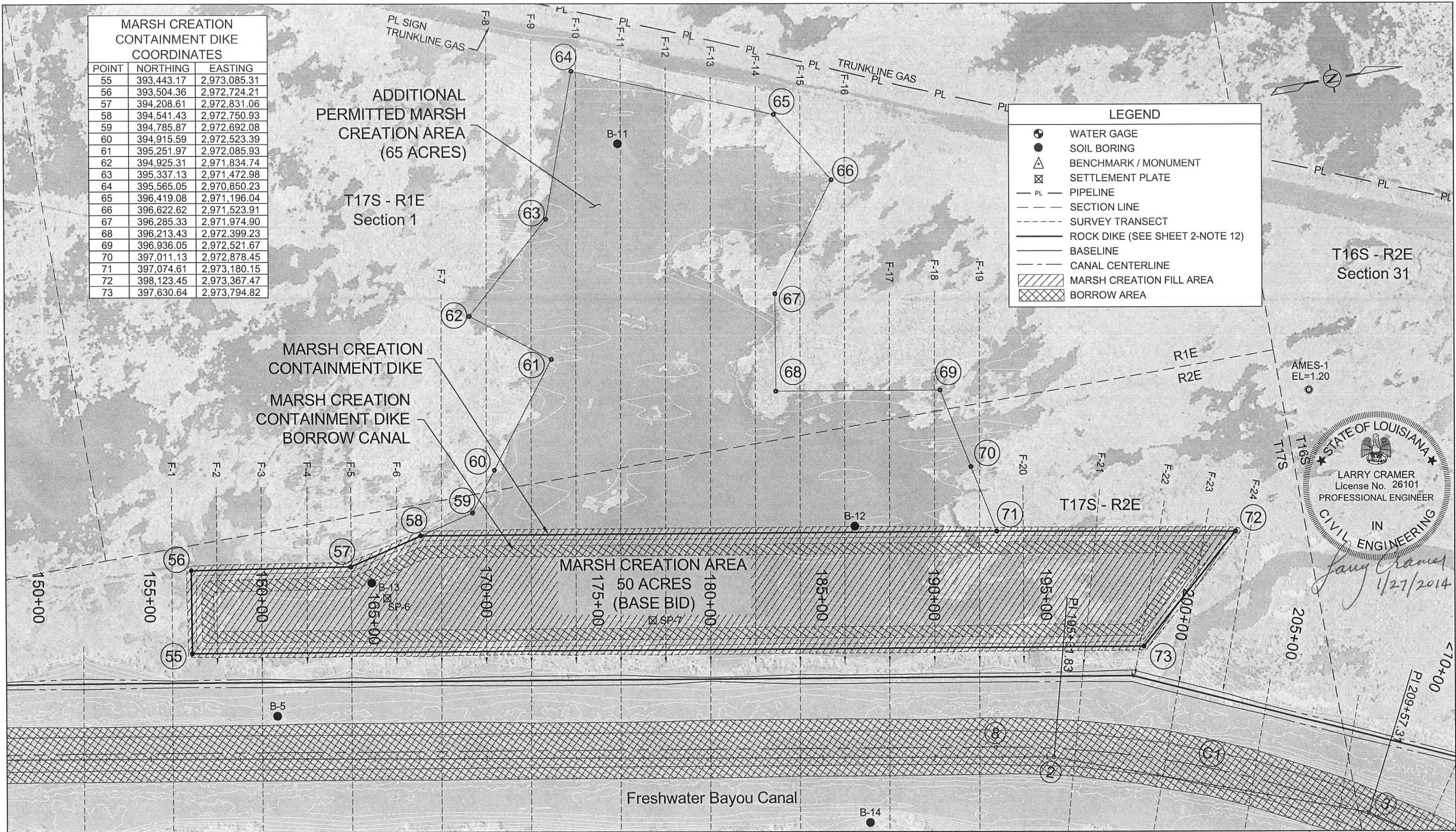
REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU		PLAN LAYOUT BORROW AREA
		STATE PROJECT NUMBER: ME-25SF		
DRAWN BY: L. CRAMER		DESIGNED BY: L. CRAMER		DATE: JANUARY 2013
APPROVED BY: T. VINCENT				SHEET 12 OF 38

MARSH CREATION CONTAINMENT DIKE COORDINATES		
POINT	NORTHING	EASTING
55	393,443.17	2,973,085.31
56	393,504.36	2,972,724.21
57	394,208.61	2,972,831.06
58	394,541.43	2,972,750.93
59	394,785.87	2,972,692.08
60	394,915.59	2,972,523.39
61	395,251.97	2,972,085.93
62	394,925.31	2,971,834.74
63	395,337.13	2,971,472.98
64	395,565.05	2,970,850.23
65	396,419.08	2,971,196.04
66	396,622.62	2,971,523.91
67	396,285.33	2,971,974.90
68	396,213.43	2,972,399.23
69	396,936.05	2,972,521.67
70	397,011.13	2,972,878.45
71	397,074.61	2,973,180.15
72	398,123.45	2,973,367.47
73	397,630.64	2,973,794.82

LEGEND	
	WATER GAGE
	SOIL BORING
	BENCHMARK / MONUMENT
	SETTLEMENT PLATE
	PIPELINE
	SECTION LINE
	SURVEY TRANSECT
	ROCK DIKE (SEE SHEET 2-NOTE 12)
	BASELINE
	CANAL CENTERLINE
	MARSH CREATION FILL AREA
	BORROW AREA



STATE OF LOUISIANA
 LARRY CRAMER
 License No. 26101
 PROFESSIONAL ENGINEER
 IN
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Larry Cramer
 1/27/2014



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	ELIMINATE MARSH CREATION FILL AREA	NAS

Sellers & Associates, Inc.
 ENGINEERS SURVEYORS
 146-B Easy Street, Lafayette, LA 70506 (337) 232-0777

COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

PLAN LAYOUT MARSH CREATION AREA
 DATE: JANUARY 2013
 SHEET 13 OF 38

MARSH CREATION CONTAINMENT DIKE COORDINATES		
POINT	NORTHING	EASTING
55	393,443.17	2,973,085.31
56	393,504.36	2,972,724.21
57	394,208.61	2,972,831.06
58	394,541.43	2,972,750.93
59	394,785.87	2,972,692.08
60	394,915.59	2,972,523.39
61	395,251.97	2,972,085.93
62	394,925.31	2,971,834.74
63	395,337.13	2,971,472.98
64	395,565.05	2,970,850.23
65	396,419.08	2,971,196.04
66	396,622.62	2,971,523.91
67	396,285.33	2,971,974.90
68	396,213.43	2,972,399.23
69	396,936.05	2,972,521.67
70	397,011.13	2,972,878.45
71	397,074.61	2,973,180.15
72	398,123.45	2,973,367.47
73	397,630.64	2,973,794.82

ADDITIONAL PERMITTED MARSH CREATION AREA (50 ACRES)

T17S - R1E Section 1

MARSH CREATION CONTAINMENT DIKE
 MARSH CREATION CONTAINMENT DIKE
 BORROW CANAL

MARSH CREATION AREA
 65 ACRES (BASE BID PLUS
 ADDITIVE ALTERNATE NO. 1)

LEGEND	
	WATER GAGE
	SOIL BORING
	BENCHMARK / MONUMENT
	SETTLEMENT PLATE
	PIPELINE
	SECTION LINE
	SURVEY TRANSECT
	ROCK DIKE (SEE SHEET 2-NOTE 12)
	BASELINE
	CANAL CENTERLINE
	MARSH CREATION FILL AREA
	BORROW AREA



T16S - R2E Section 31

AMES-1
EL=1.20



Larry Cramer
1/27/2014

150+00

155+00

55

56

57

58

59

60

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62

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64

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71

72

73

F-1

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F-25

F-26

F-27

F-28

F-29

F-30

160+00

165+00

170+00

175+00

180+00

185+00

190+00

195+00

200+00

205+00

210+00

215+00

220+00

225+00

230+00

205+00

210+00

215+00

220+00

225+00

230+00

235+00

240+00

245+00

Freshwater Bayou Canal



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	ELIMINATE MARSH CREATION FILL AREA	NAS



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

PLAN LAYOUT
MARSH CREATION AREA

DATE: JANUARY 2013

SHEET 14 OF 38

**MARSH CREATION
CONTAINMENT DIKE
COORDINATES**

POINT	NORTHING	EASTING
55	393,443.17	2,973,085.31
56	393,504.36	2,972,724.21
57	394,208.61	2,972,831.06
58	394,541.43	2,972,750.93
59	394,785.87	2,972,692.08
60	394,915.59	2,972,523.39
61	395,251.97	2,972,085.93
62	394,925.31	2,971,834.74
63	395,337.13	2,971,472.98
64	395,565.05	2,970,850.23
65	396,419.08	2,971,196.04
66	396,622.62	2,971,523.91
67	396,285.33	2,971,974.90
68	396,213.43	2,972,399.23
69	396,936.05	2,972,521.67
70	397,011.13	2,972,878.45
71	397,074.61	2,973,180.15
72	398,123.45	2,973,367.47
73	397,630.64	2,973,794.82

ADDITIONAL
PERMITTED MARSH
CREATION AREA
(19 ACRES)

T17S - R1E
Section 1

MARSH CREATION
CONTAINMENT DIKE
MARSH CREATION
CONTAINMENT DIKE
BORROW CANAL

MARSH CREATION AREA
96 ACRES (BASE BID PLUS
ADDITIVE ALTERNATE NOS. 1 & 2)

T17S - R2E

T16S - R2E
Section 31

LEGEND

- WATER GAGE
- SOIL BORING
- △ BENCHMARK / MONUMENT
- ⊠ SETTLEMENT PLATE
- PL — PIPELINE
- - - SECTION LINE
- - - SURVEY TRANSECT
- ROCK DIKE (SEE SHEET 2-NOTE 12)
- BASELINE
- - - CANAL CENTERLINE
- ▨ MARSH CREATION FILL AREA
- ▩ BORROW AREA



Larry Cramer
1/27/2014



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	ELIMINATE MARSH CREATION FILL AREA	NAS

Sellers & Associates, Inc.
ENGINEERS SURVEYORS
148-B Easy Street, Lafayette, LA 70506 (337) 232-0777

**COASTAL PROTECTION AND
RESTORATION AUTHORITY**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-255F

FEDERAL PROJECT NUMBER: ME-255F

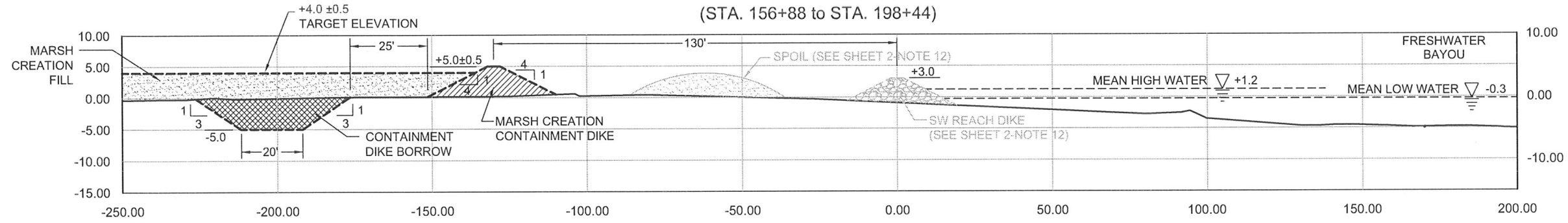
APPROVED BY: T. VINCENT

PLAN LAYOUT
MARSH CREATION AREA

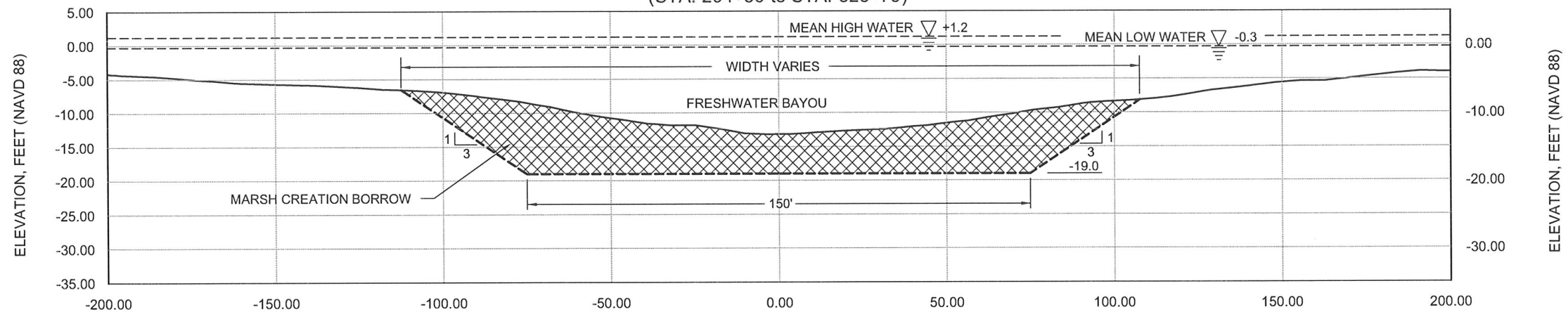
DATE: JANUARY 2013

SHEET 15 OF 38

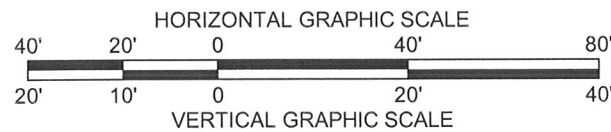
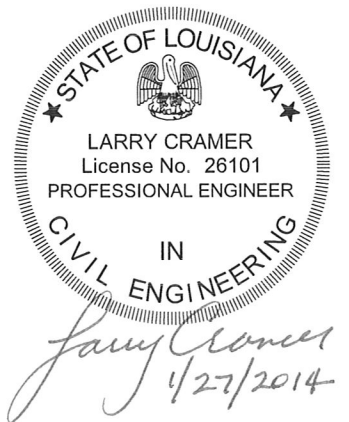
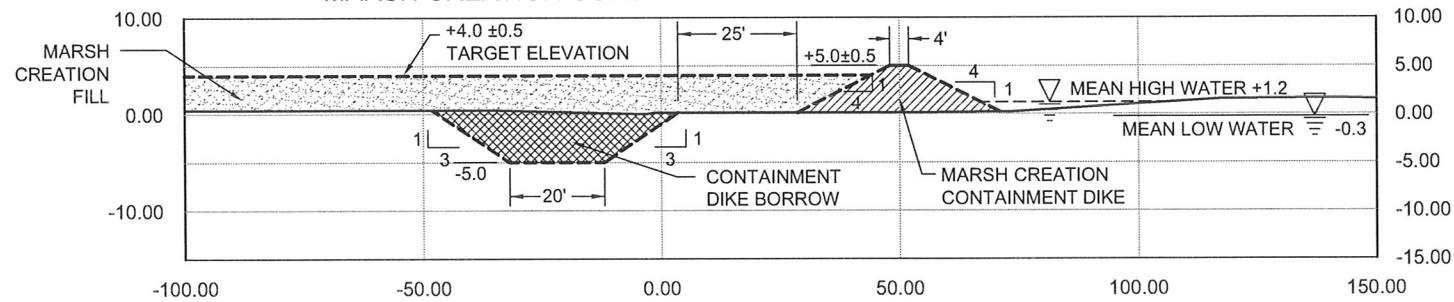
MARSH CREATION AND SW REACH DIKE TYPICAL SECTION
(STA. 156+88 to STA. 198+44)



FWB BORROW TYPICAL SECTION
(STA. 78+00 to STA. 225+46)
(STA. 229+89 to STA. 257+77)
(STA. 261+39 to STA. 291+36)
(STA. 294+36 to STA. 323+75)



MARSH CREATION CONTAINMENT DIKE & BORROW TYPICAL SECTION



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	ELIMINATE MULTIPLE LIFTS & MARSH CREATION FILL AREA	NAS



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: MJC / L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

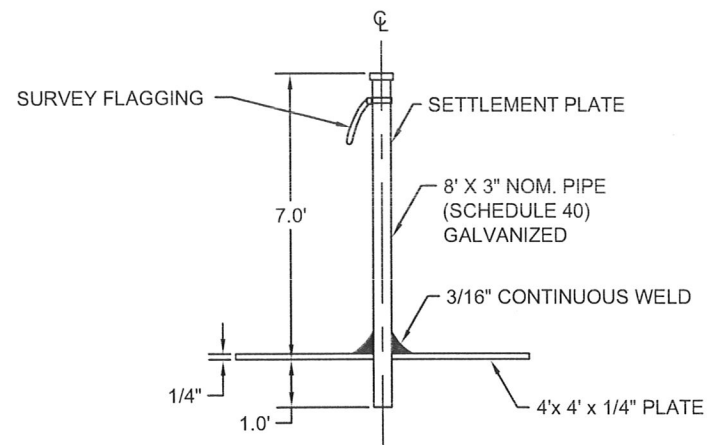
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

TYPICAL
SECTIONS

DATE: JANUARY 2013

SHEET 16 OF 38



MARSH CREATION SETTLEMENT PLATE
NOT TO SCALE

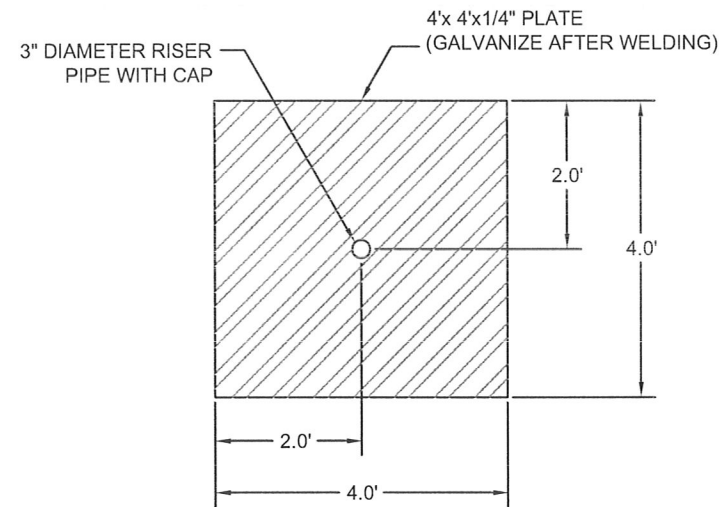
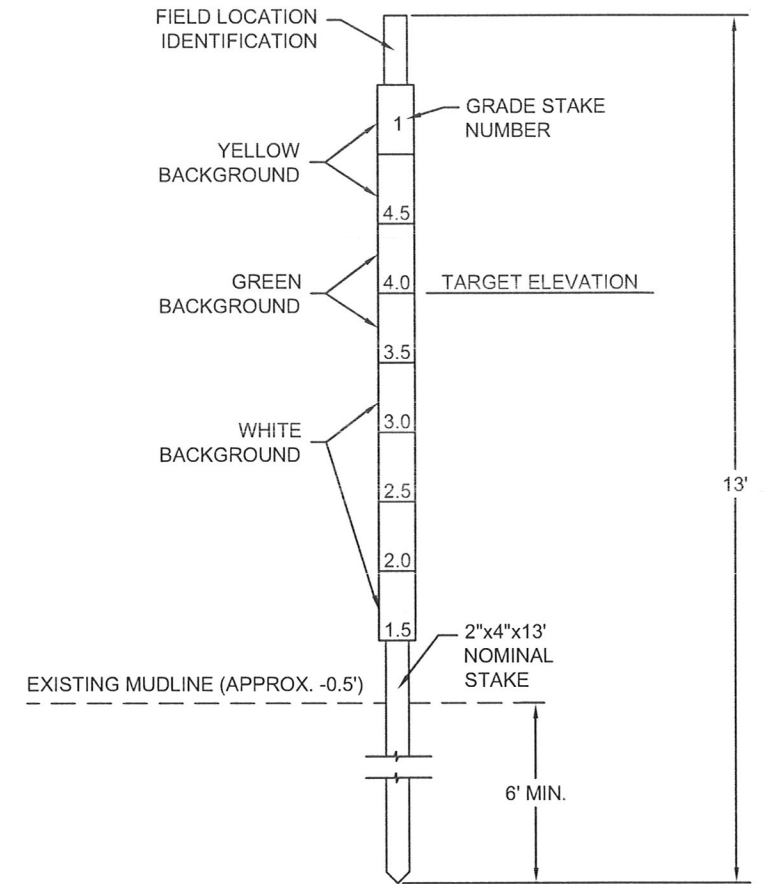


PLATE DETAIL
NOT TO SCALE



GRADE STAKE DETAIL
NOT TO SCALE

SETTLEMENT PLATE NOTES:

- MARSH SETTLEMENT PLATES SHALL BE INSTALLED WITHIN 100 FOOT RADIUS OF EXISTING GEOTECHNICAL BORINGS AS SHOWN ON THE PLANS.
- ALL SETTLEMENT PLATES SHALL BE SURVEYED UNDER THE SUPERVISION OF THE ENGINEER OR RESIDENT PROJECT REPRESENTATIVE WITHIN ONE DAY OF INSTALLATION AND WEEKLY FOR THE DURATION OF THE PROJECT AND IN ACCORDANCE WITH TS-210.
- SETTLEMENT PLATES SHALL BE BUILT USING ASTM A36 STEEL AND HOT-DIPPED GALVANIZED AFTER FABRICATION PER SPECIFICATIONS TS-501 "MARSH SETTLEMENT PLATES".



REV.	DATE	DESCRIPTION	BY
1	1/27/2014	REVISE GRADE STAKE DETAIL	LAC



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: MJC / L. CRAMER

DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

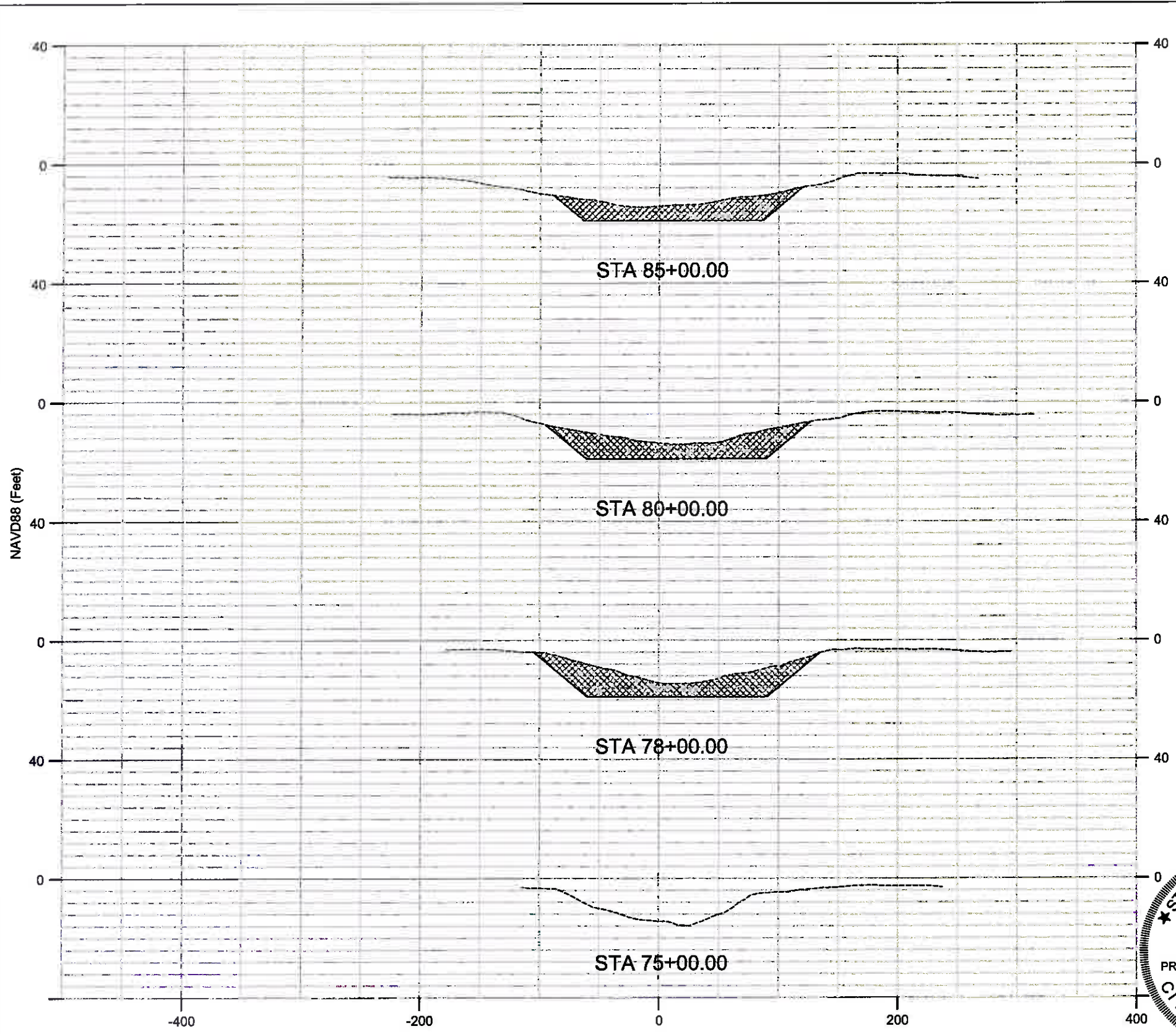
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

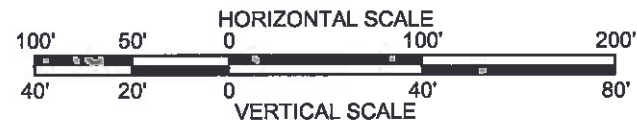
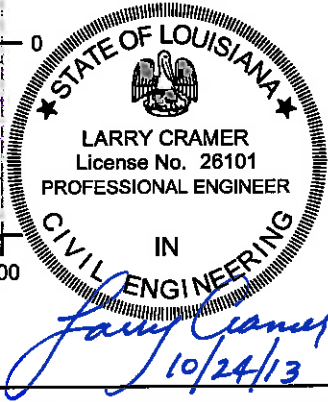
TYPICAL
DETAILS

DATE: JANUARY 2013

SHEET 17 OF 38



TRANSECTS						
TRANSECT	STATION	BEGINNING		ENDING		LENGTH
		NORTHING	EASTING	NORTHING	EASTING	
T-1	75+00	385,267	2,972,307	385,327	2,971,962	350'
T-2	80+00	385,760	2,972,393	385,820	2,972,048	350'
T-3	85+00	386,252	2,972,479	386,312	2,972,134	350'
T-4	90+00	386,745	2,972,565	386,805	2,972,220	350'
T-5	95+00	387,207	2,972,824	387,328	2,972,134	700'
T-6	100+00	387,674	2,973,057	387,846	2,972,072	1000'
T-7	104+00	388,068	2,973,126	388,240	2,972,141	1000'
T-8	108+00	388,462	2,973,195	388,634	2,972,210	1000'
T-9	112+00	388,856	2,973,264	389,028	2,972,279	1000'
T-10	116+00	389,250	2,973,333	389,422	2,972,348	1000'
T-11	120+00	389,644	2,973,402	389,816	2,972,417	1000'
T-12	124+00	390,038	2,973,471	390,210	2,972,486	1000'
T-13	128+00	390,432	2,973,540	390,604	2,972,555	1000'
T-14	132+00	390,826	2,973,608	390,998	2,972,623	1000'
T-15	136+00	391,220	2,973,677	391,392	2,972,692	1000'
T-16	140+00	391,614	2,973,746	391,786	2,972,761	1000'
T-17	144+00	392,008	2,973,815	392,180	2,972,830	1000'
T-18	148+00	392,402	2,973,884	392,574	2,972,899	1000'
T-19	152+00	392,796	2,973,953	392,968	2,972,968	1000'
T-20	156+00	393,190	2,974,022	393,348	2,973,116	920'
T-21	160+00	393,584	2,974,091	393,742	2,973,184	920'
T-22	164+00	393,978	2,974,160	394,136	2,973,253	920'
T-23	168+00	394,370	2,974,228	394,532	2,973,323	920'
T-24	172+00	394,764	2,974,297	394,926	2,973,391	920'
T-25	176+00	395,158	2,974,366	395,320	2,973,460	920'
T-26	180+00	395,552	2,974,435	395,714	2,973,529	920'
T-27	184+00	395,946	2,974,504	396,108	2,973,598	920'
T-28	188+00	396,340	2,974,573	396,502	2,973,667	920'
T-29	192+00	396,734	2,974,641	396,896	2,973,736	920'
T-30	196+25	397,102	2,974,721	397,350	2,973,832	923'
T-31	200+25	397,442	2,974,845	397,756	2,973,980	920'
T-32	204+25	397,818	2,974,981	398,159	2,974,042	1000'
T-33	208+25	398,194	2,975,118	398,535	2,974,178	1000'
T-34	212+25	399,162	2,974,185	398,427	2,975,257	1300'
T-35	216+25	398,755	2,975,486	399,492	2,974,411	1304'
T-36	220+25	399,087	2,975,709	399,652	2,974,884	1000'
T-37	224+25	399,417	2,975,935	399,982	2,975,110	1000'
T-38	228+25	399,747	2,976,161	400,312	2,975,336	1000'
T-39	232+25	400,077	2,976,387	400,642	2,975,562	1000'
T-40	236+25	400,407	2,976,614	400,972	2,975,789	1000'
T-41	240+25	400,737	2,976,840	401,302	2,976,015	1000'
T-42	244+25	401,067	2,977,066	401,632	2,976,241	1000'
T-43	248+25	401,397	2,977,292	401,962	2,976,467	1000'
T-44	252+25	401,727	2,977,518	402,292	2,976,693	1000'
T-45	256+25	402,057	2,977,744	402,622	2,976,919	1000'
T-46	260+25	402,387	2,977,970	402,952	2,977,145	1000'
T-47	264+25	402,717	2,978,196	403,282	2,977,371	1000'
T-48	268+25	403,047	2,978,422	403,612	2,977,597	1000'
T-49	272+25	403,377	2,978,648	403,942	2,977,823	1000'
T-50	276+25	403,707	2,978,874	404,272	2,978,049	1000'
T-51	280+25	404,037	2,979,100	404,602	2,978,275	1000'
T-52	284+25	404,367	2,979,326	404,932	2,978,501	1000'
T-53	288+25	404,697	2,979,552	405,262	2,978,727	1000'
T-54	292+25	405,027	2,979,779	405,592	2,978,954	1000'
T-55	296+25	405,357	2,980,005	405,922	2,979,180	1000'
T-56	299+65	405,637	2,980,197	406,203	2,979,372	1000'
T-57	303+00	405,914	2,980,386	406,479	2,979,561	1000'
T-58	306+75	406,203	2,980,584	406,768	2,979,759	1000'
T-59	310+00	406,491	2,980,782	407,056	2,979,957	1000'
T-60	313+40	406,772	2,980,974	407,337	2,980,149	1000'
T-61	316+75	407,048	2,981,163	407,613	2,980,338	1000'
T-62	320+25	407,337	2,981,361	407,902	2,980,536	1000'
T-63	323+75	407,626	2,981,559	408,191	2,980,734	1000'



REV.	DATE	DESCRIPTION	BY



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

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

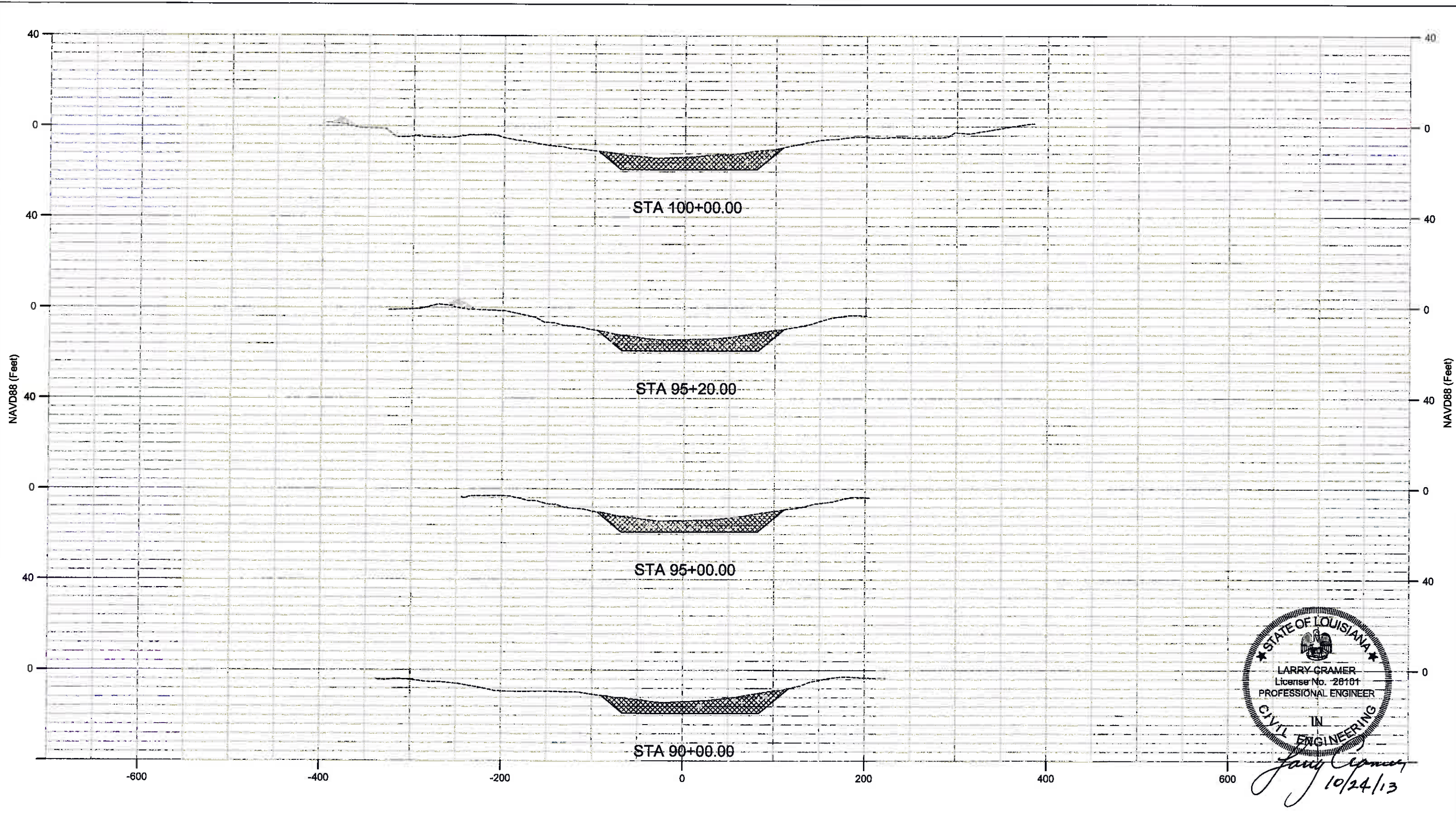
SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF

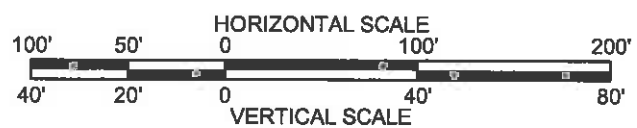
APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 18 OF 38

N:\DATA\8242- Alliance OPRR ID\8242-03 FME Marsh Creation\100% Plans\8242-03 18-38 Transects.dwg Oct 24, 2013 14:26



STATE OF LOUISIANA
 LARRY CRAMER
 License No. 28101
 PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
Larry Cramer
 10/24/13



REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF
FEDERAL PROJECT NUMBER: ME-25SF

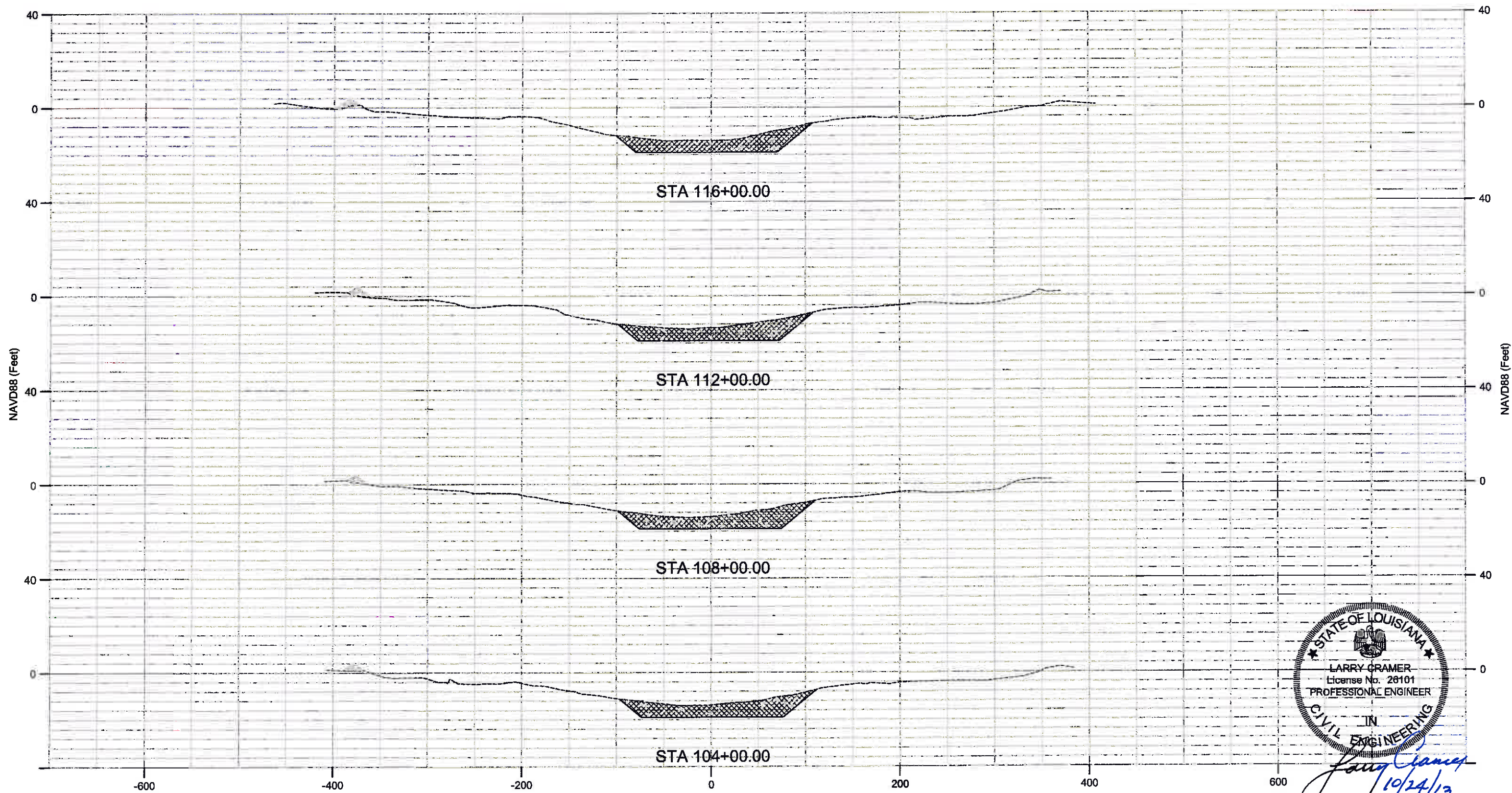
APPROVED BY: T. VINCENT

CROSS SECTIONS

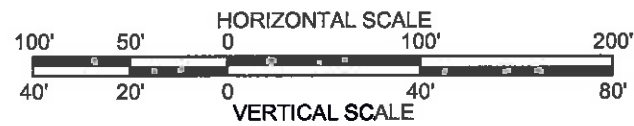
DATE: JANUARY 2013

SHEET 19 OF 38

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STATE OF LOUISIANA
 LARRY CRAMER
 License No. 26101
 PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
Larry Cramer
 10/24/13



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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER

DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

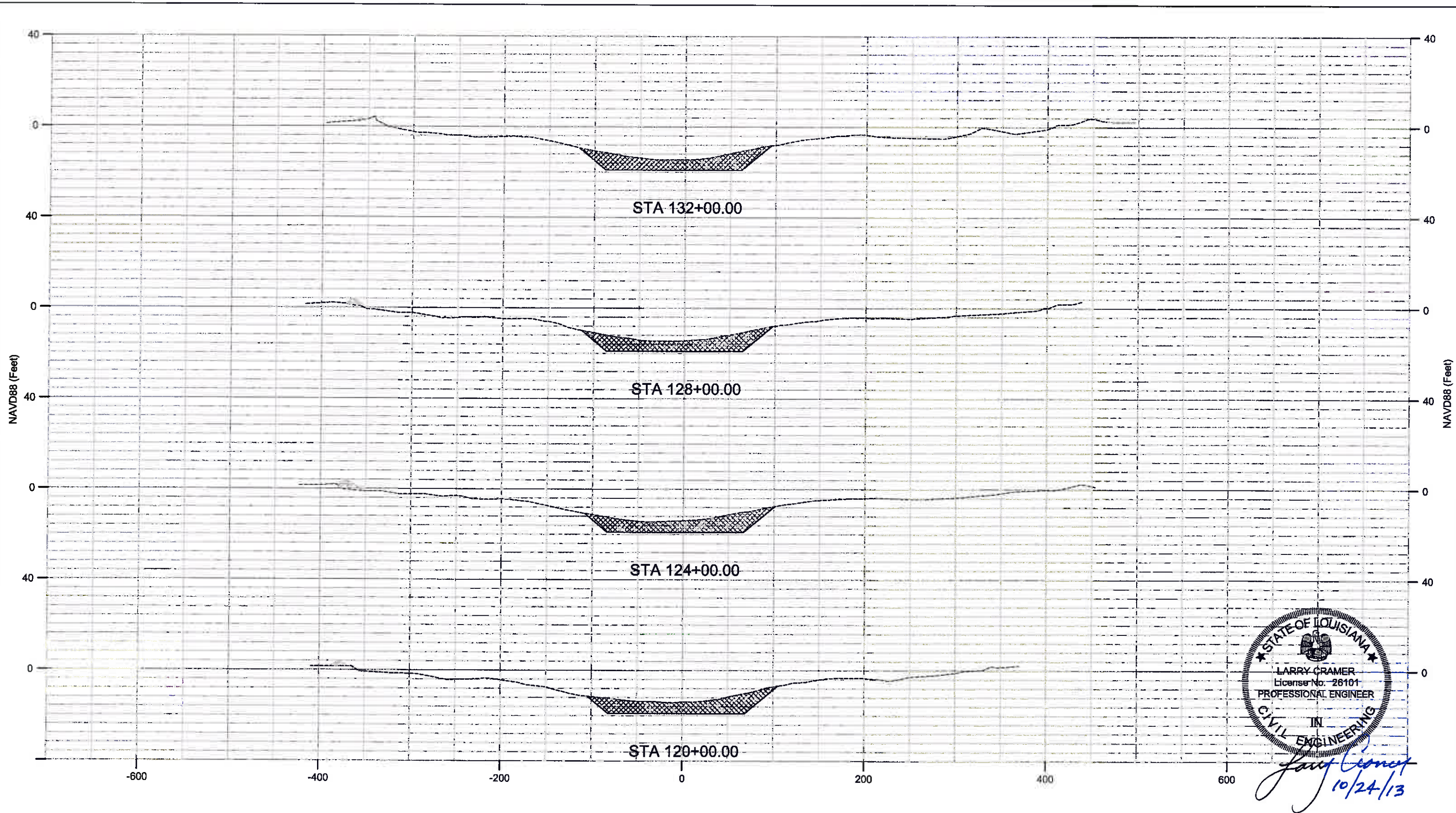
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

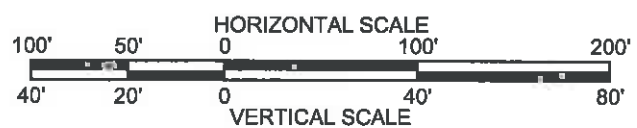
CROSS SECTIONS

DATE: JANUARY 2013

SHEET 20 OF 38



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 LARRY CRAMER
 License No. 26101
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 IN
 CIVIL ENGINEERING
Jerry Cramer
 10/24/13



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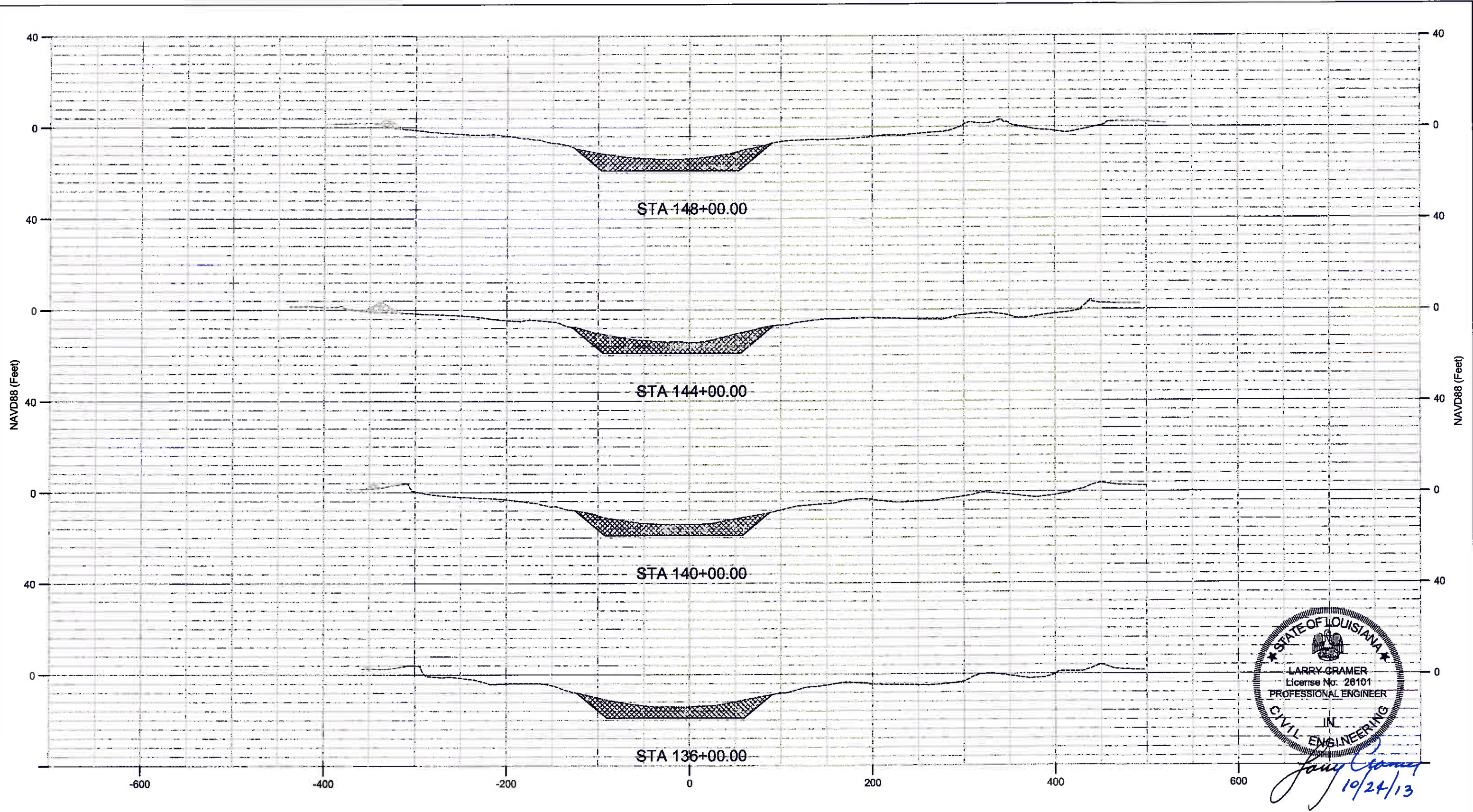

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COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

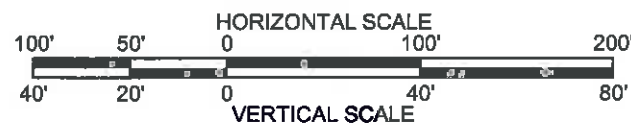
DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 21 OF 38



STATE OF LOUISIANA
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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

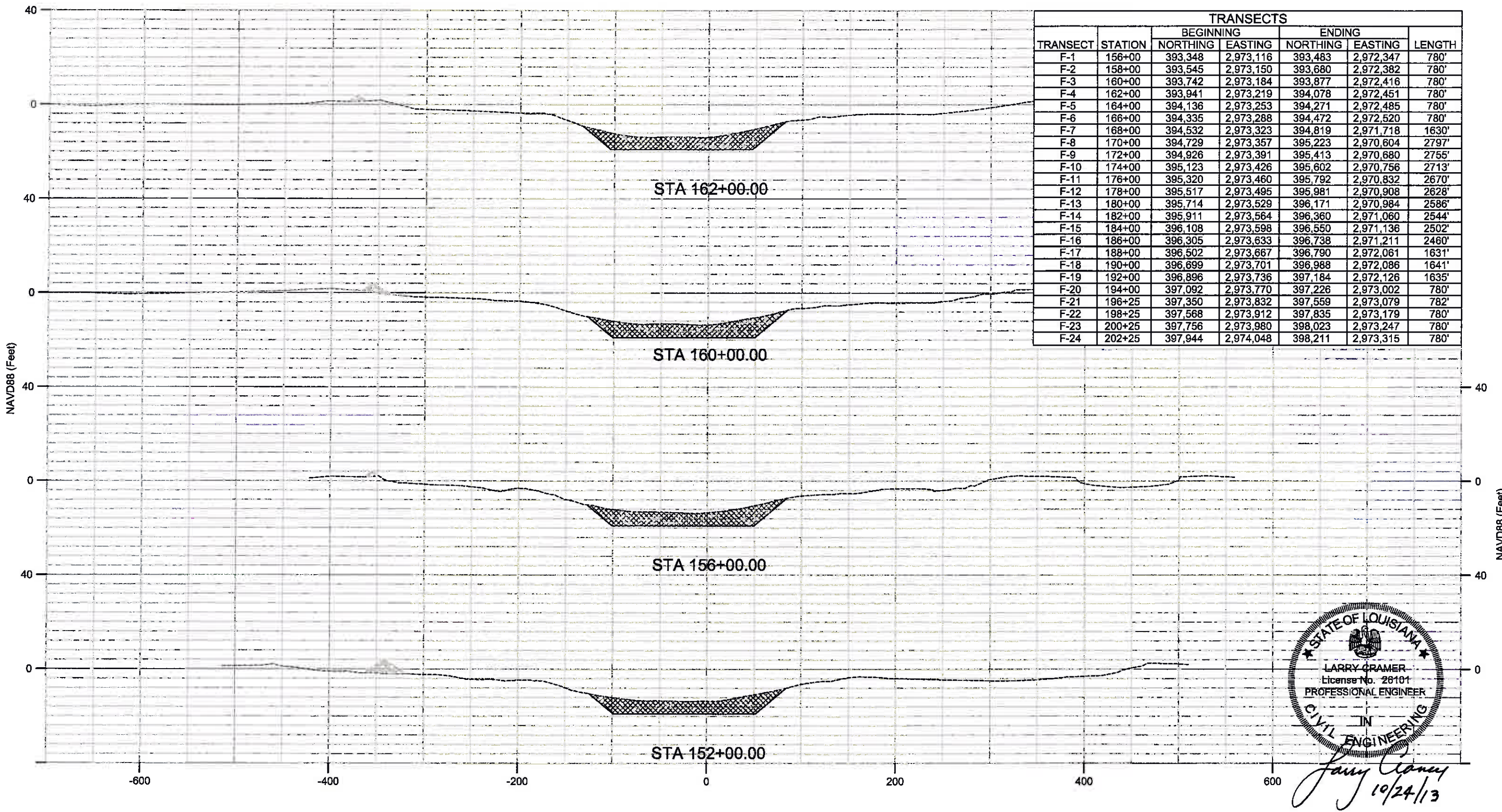
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

CROSS SECTIONS

DATE: JANUARY 2013

SHEET 22 OF 38



TRANSECTS						
TRANSECT	STATION	BEGINNING		ENDING		LENGTH
		NORTHING	EASTING	NORTHING	EASTING	
F-1	156+00	393,348	2,973,116	393,483	2,972,347	780'
F-2	158+00	393,545	2,973,150	393,680	2,972,382	780'
F-3	160+00	393,742	2,973,184	393,877	2,972,416	780'
F-4	162+00	393,941	2,973,219	394,078	2,972,451	780'
F-5	164+00	394,136	2,973,253	394,271	2,972,485	780'
F-6	166+00	394,335	2,973,288	394,472	2,972,520	780'
F-7	168+00	394,532	2,973,323	394,819	2,971,718	1630'
F-8	170+00	394,729	2,973,357	395,223	2,970,604	2797'
F-9	172+00	394,926	2,973,391	395,413	2,970,680	2755'
F-10	174+00	395,123	2,973,426	395,602	2,970,756	2713'
F-11	176+00	395,320	2,973,460	395,792	2,970,832	2670'
F-12	178+00	395,517	2,973,495	395,981	2,970,908	2628'
F-13	180+00	395,714	2,973,529	396,171	2,970,984	2586'
F-14	182+00	395,911	2,973,564	396,360	2,971,060	2544'
F-15	184+00	396,108	2,973,598	396,550	2,971,136	2502'
F-16	186+00	396,305	2,973,633	396,738	2,971,211	2460'
F-17	188+00	396,502	2,973,667	396,929	2,972,061	1631'
F-18	190+00	396,699	2,973,701	396,988	2,972,086	1641'
F-19	192+00	396,896	2,973,736	397,184	2,972,126	1635'
F-20	194+00	397,092	2,973,770	397,226	2,973,002	780'
F-21	196+25	397,350	2,973,832	397,559	2,973,079	782'
F-22	198+25	397,568	2,973,912	397,835	2,973,179	780'
F-23	200+25	397,756	2,973,980	398,023	2,973,247	780'
F-24	202+25	397,944	2,974,048	398,211	2,973,315	780'

STATE OF LOUISIANA
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Larry Cramer
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REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

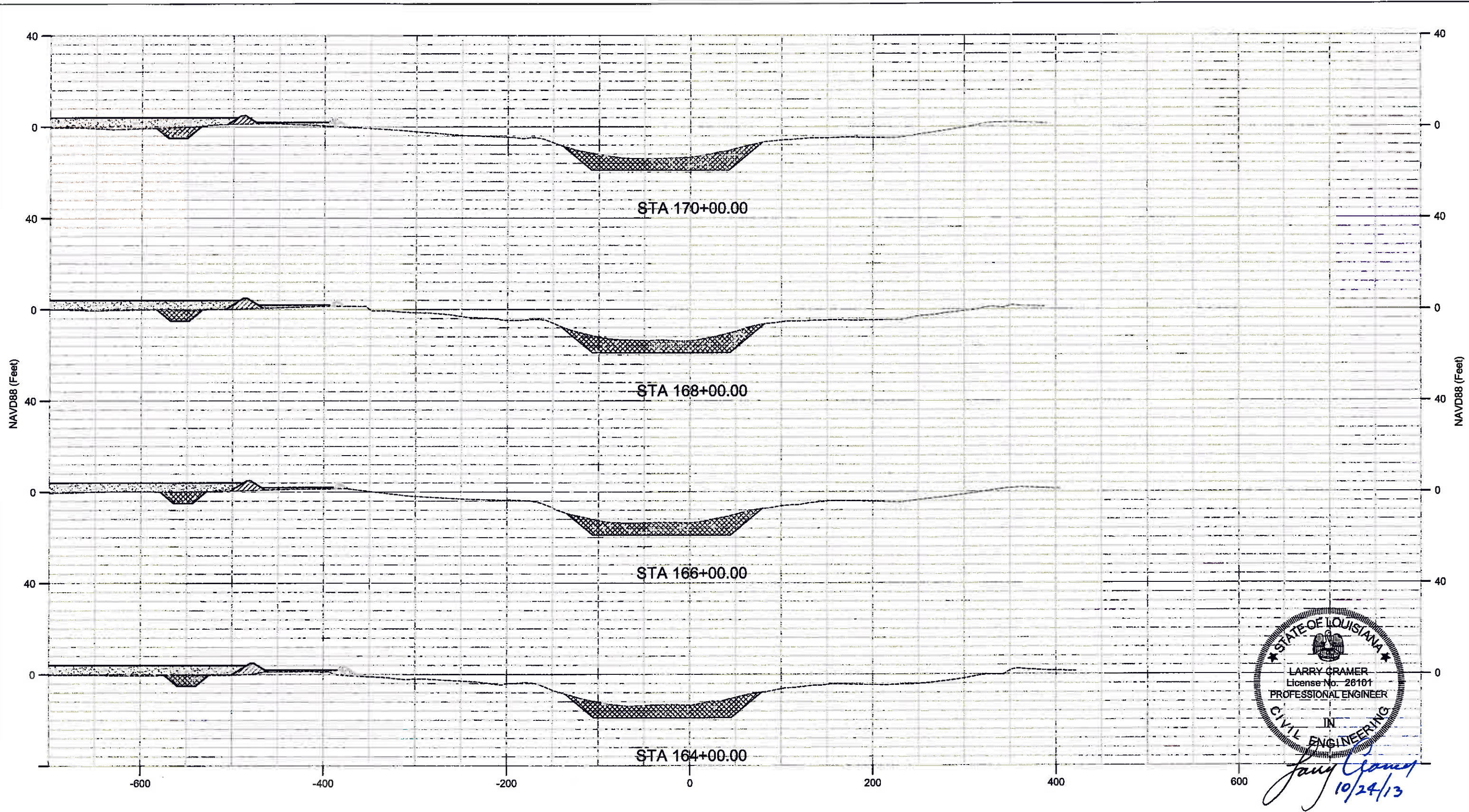
STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

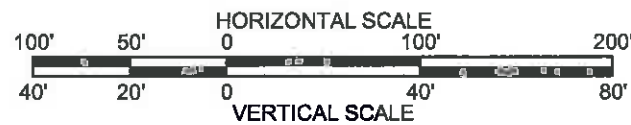
CROSS SECTIONS

DATE: JANUARY 2013

SHEET 23 OF 38



STATE OF LOUISIANA
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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

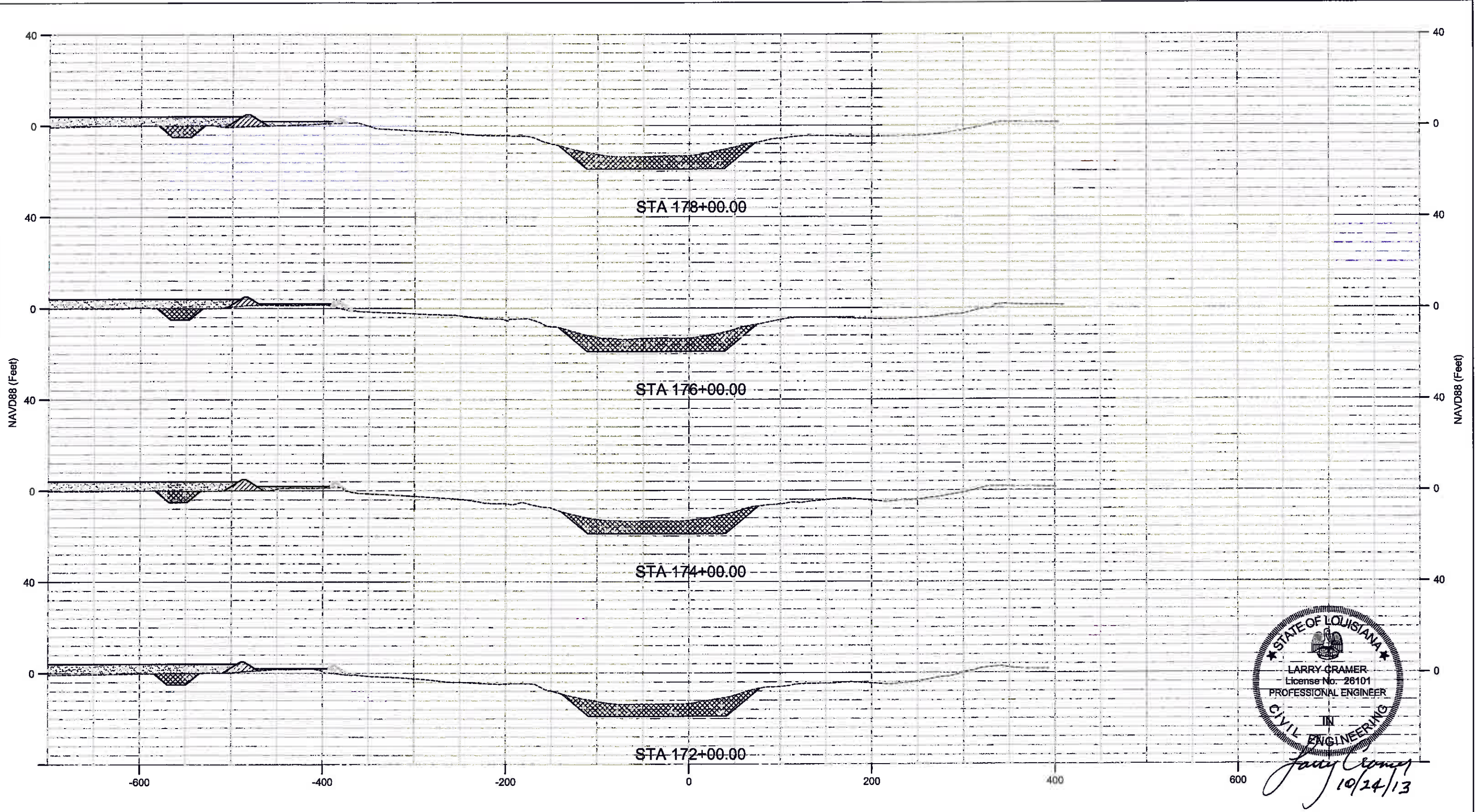
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APPROVED BY: T. VINCENT

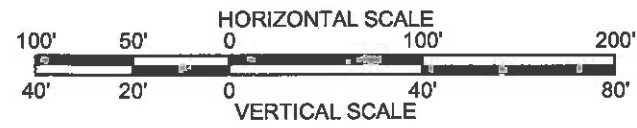
CROSS SECTIONS

DATE: JANUARY 2013

SHEET 24 OF 38



STATE OF LOUISIANA
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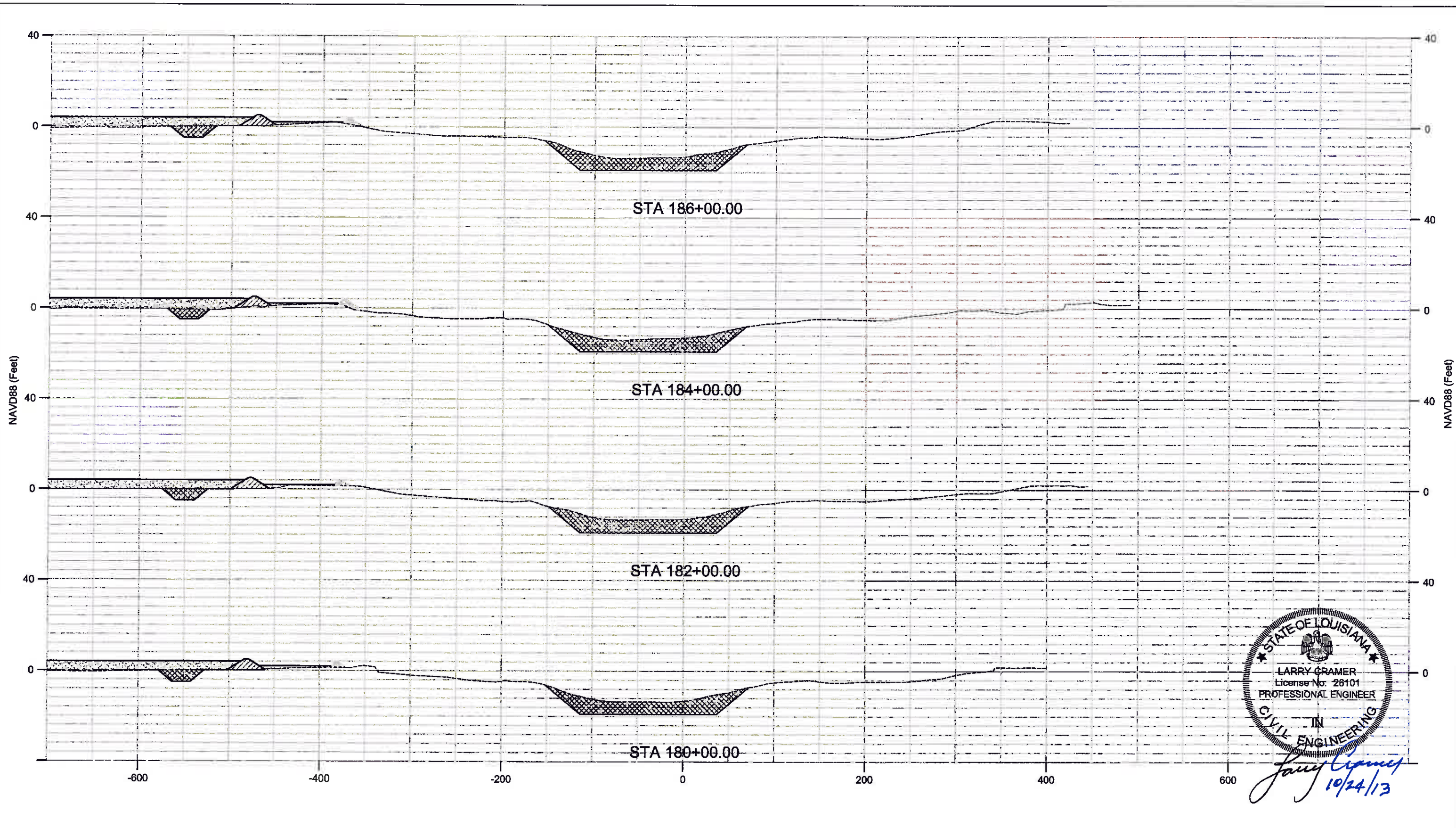
REV.	DATE	DESCRIPTION	BY



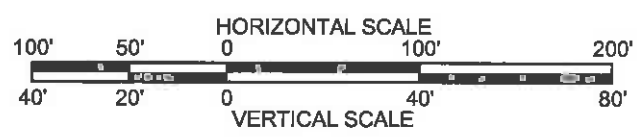
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 25 OF 38



STATE OF LOUISIANA
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 License No. 28101
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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
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DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU

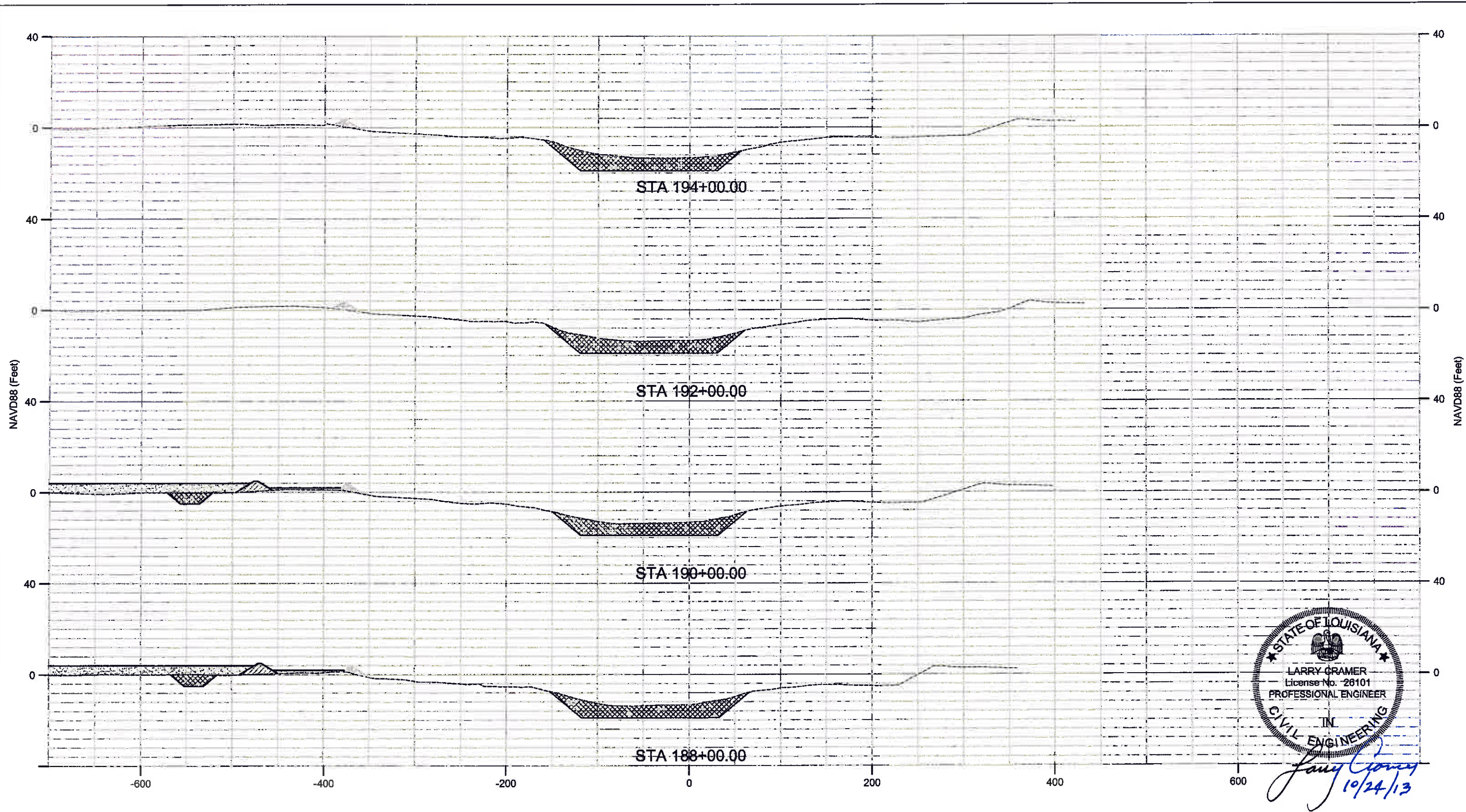
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 FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

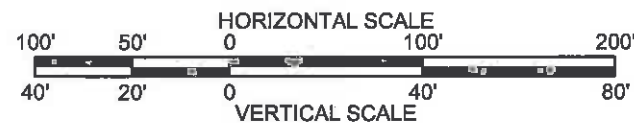
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SHEET 26 OF 38



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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER

DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

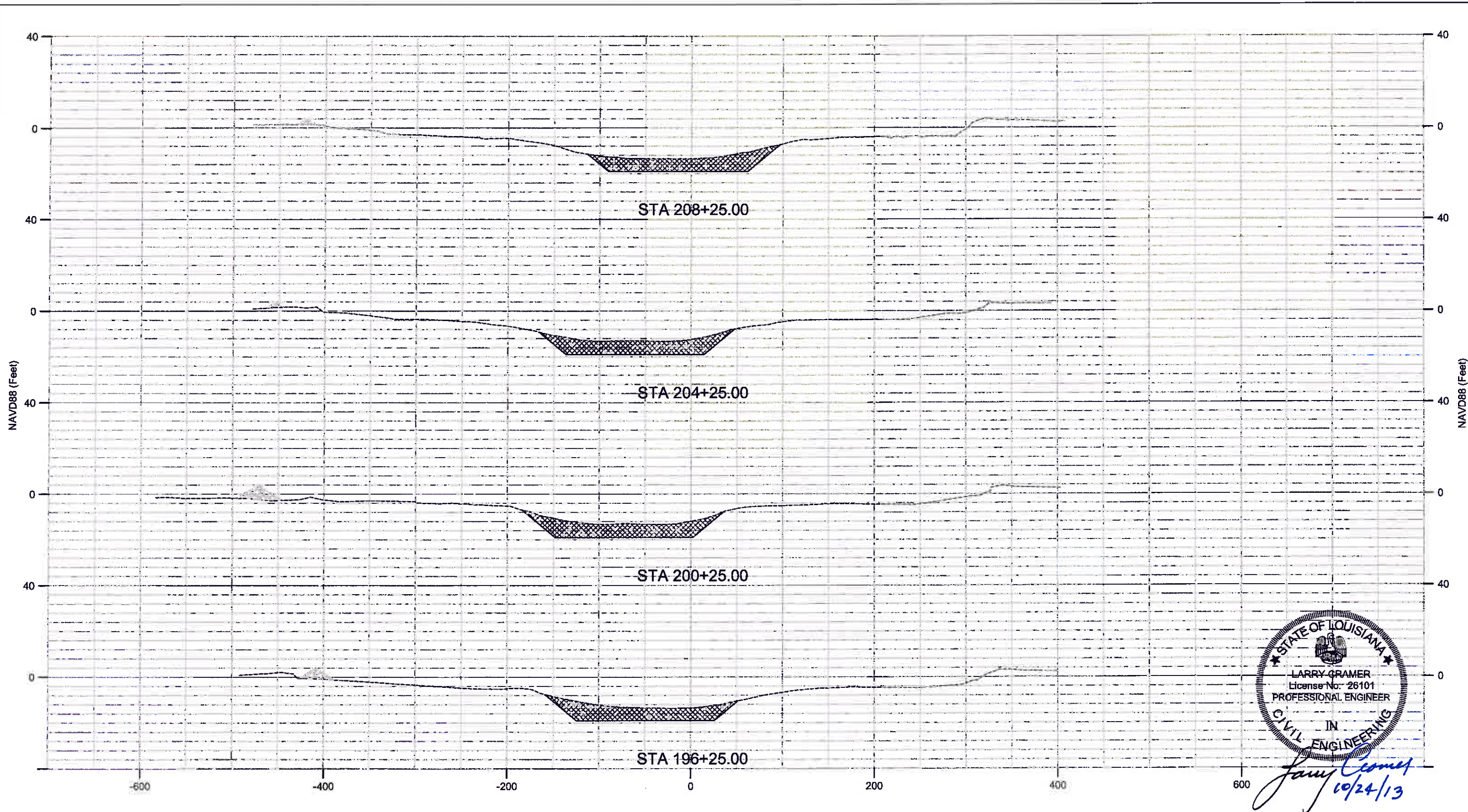
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APPROVED BY: T. VINCENT

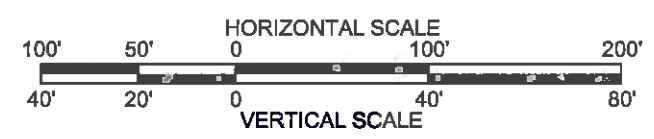
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DATE: JANUARY 2013

SHEET 27 OF 38



STATE OF LOUISIANA
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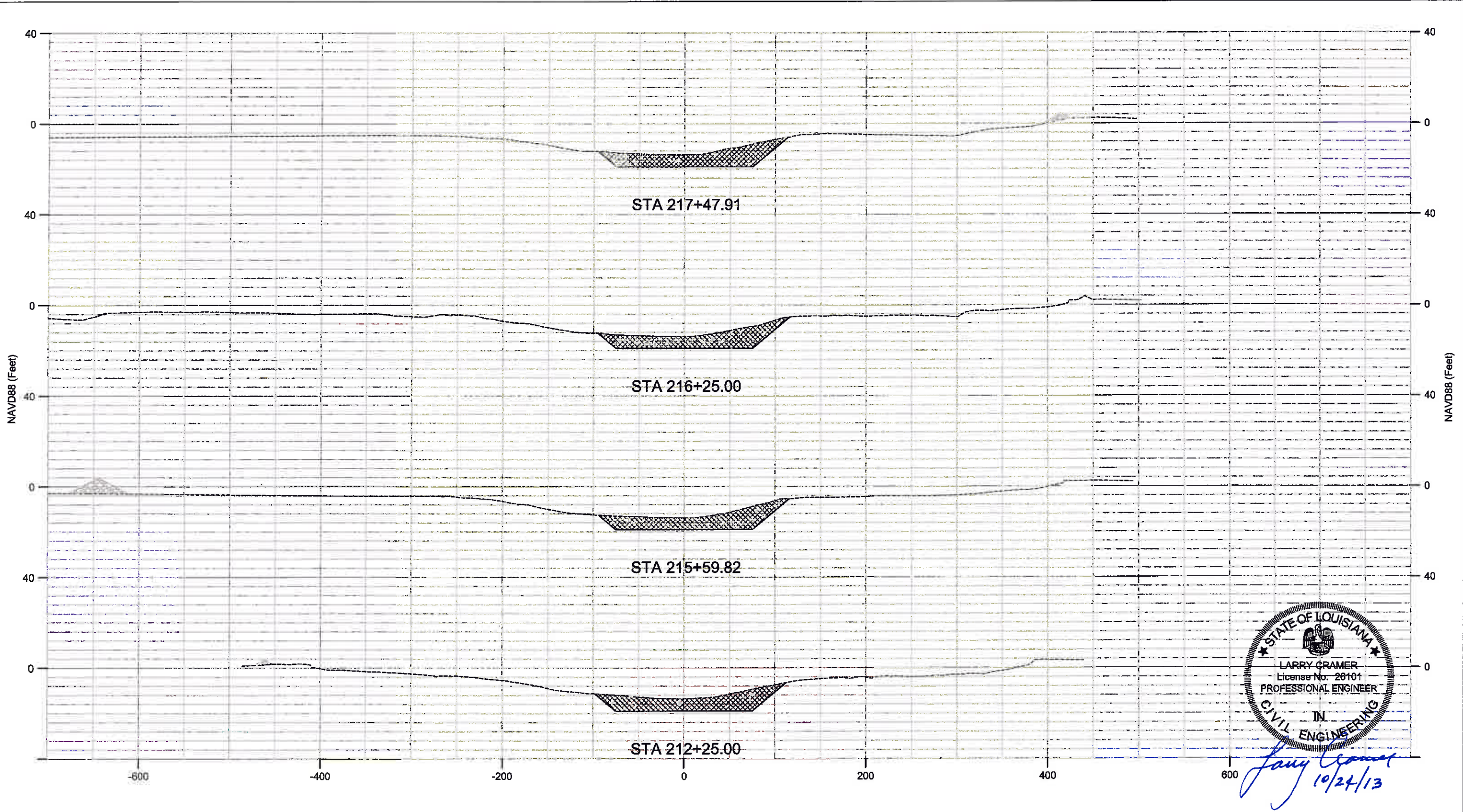
REV.	DATE	DESCRIPTION	BY



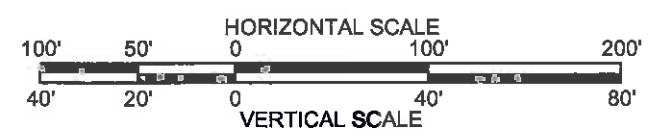
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 28 OF 38



STATE OF LOUISIANA
 LARRY CRAMER
 License No. 20101
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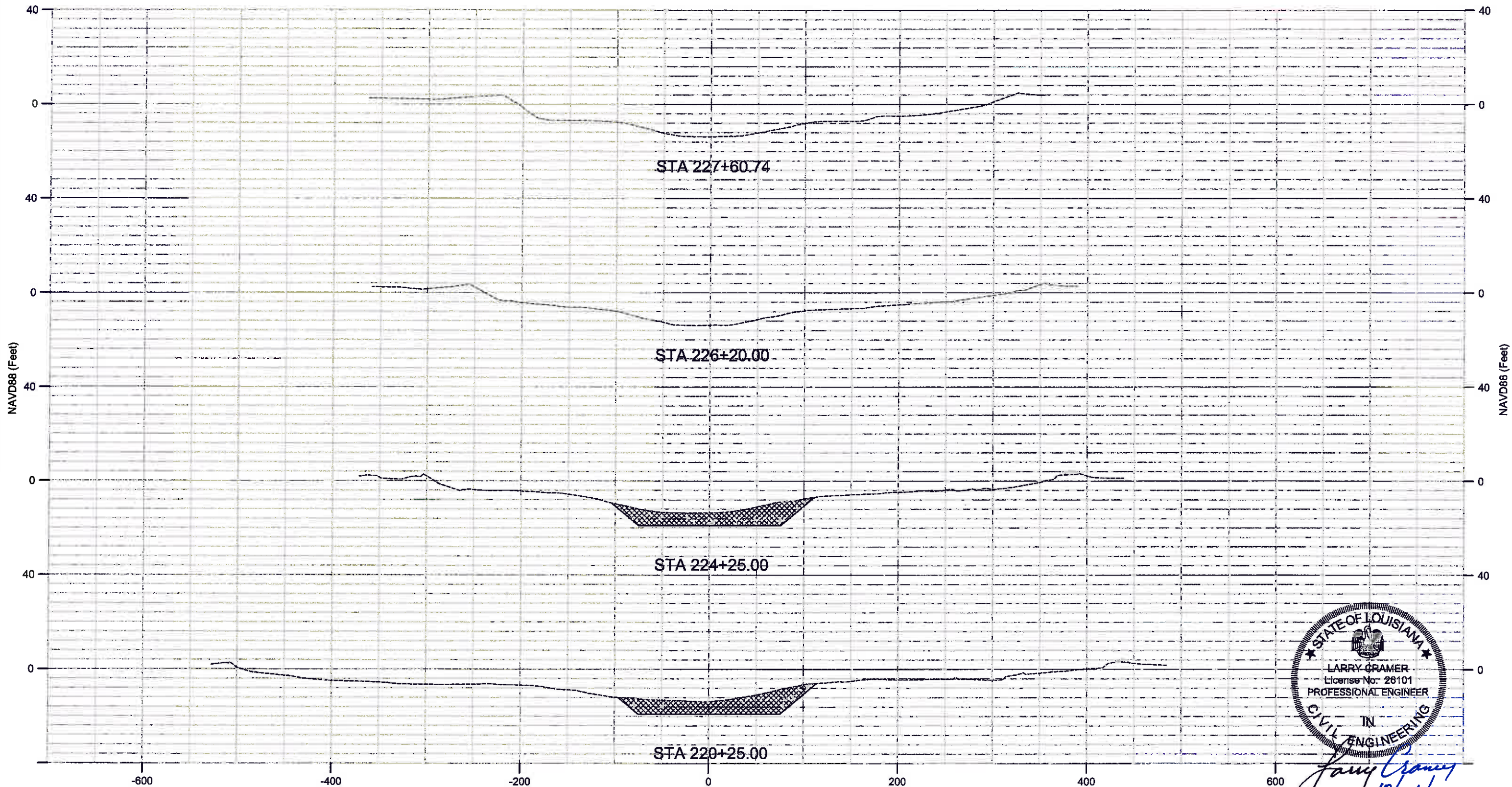
REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 29 OF 38



STATE OF LOUISIANA
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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

**SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU**

STATE PROJECT NUMBER: ME-25SF

FEDERAL PROJECT NUMBER: ME-25SF

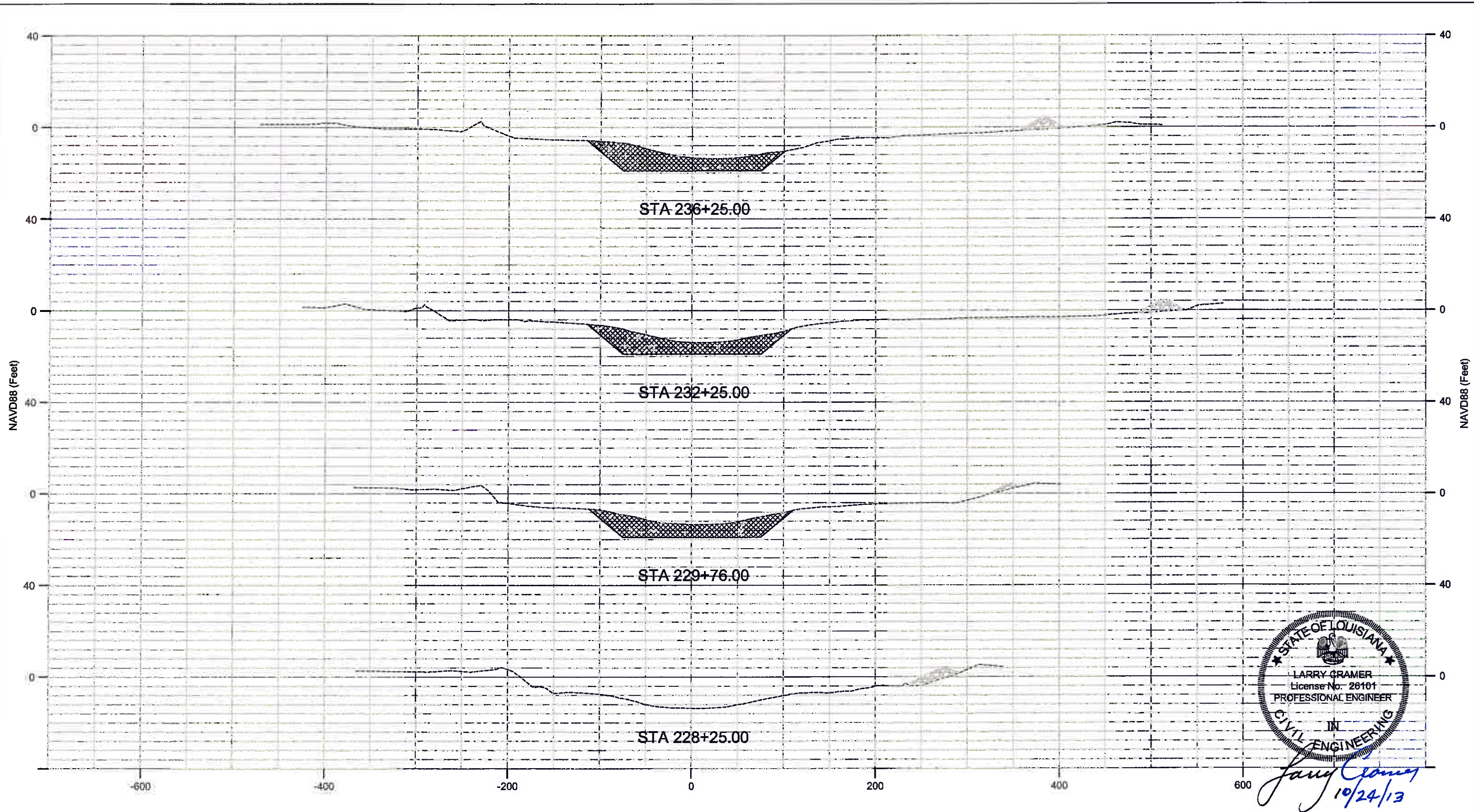
APPROVED BY: T. VINCENT

CROSS SECTIONS

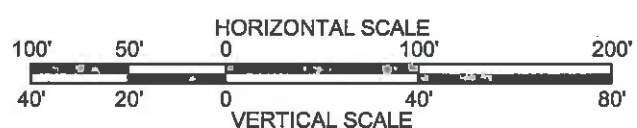
DATE: JANUARY 2013

SHEET 30 OF 38

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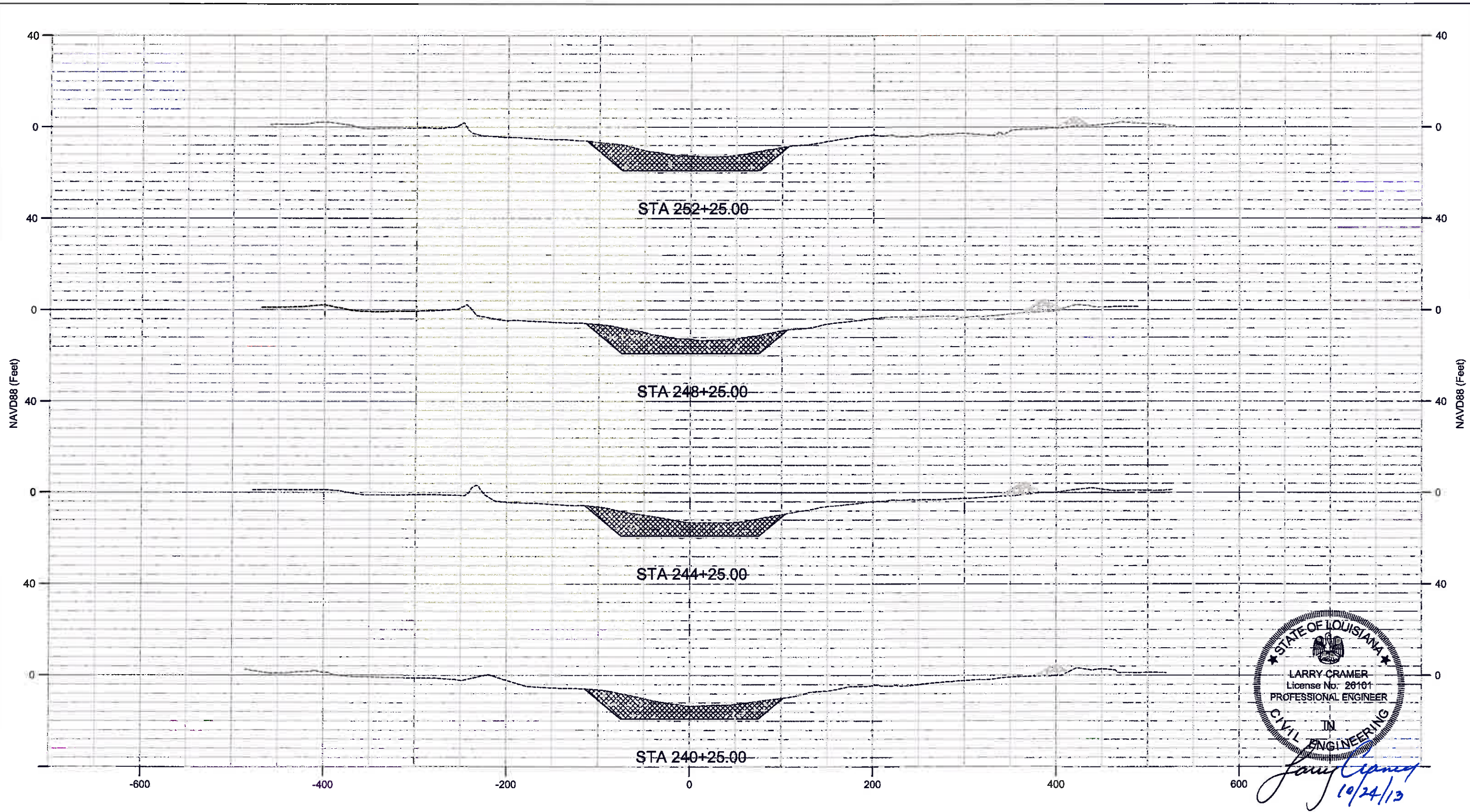
REV.	DATE	DESCRIPTION	BY



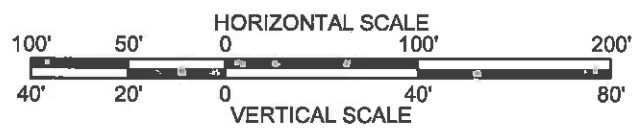
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 31 OF 38



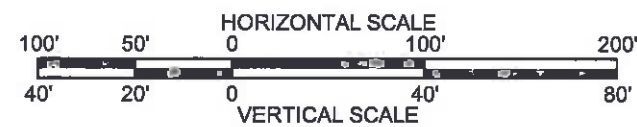
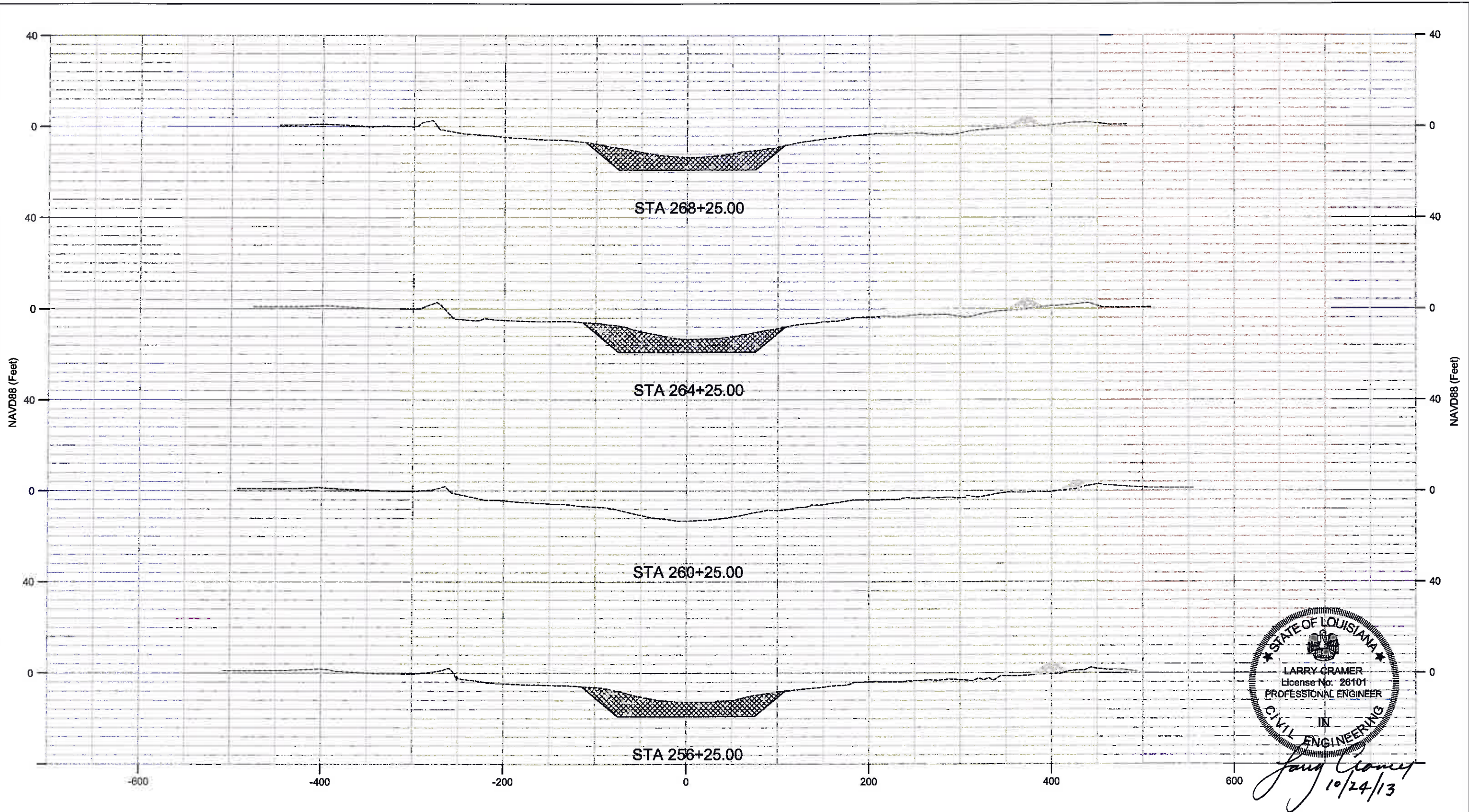
STATE OF LOUISIANA
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REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU		CROSS SECTIONS
		STATE PROJECT NUMBER: ME-25SF	FEDERAL PROJECT NUMBER: ME-25SF	
DRAWN BY: L. CRAMER	DESIGNED BY: L. CRAMER	APPROVED BY: T. VINCENT	SHEET 32 OF 38	



REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER

DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

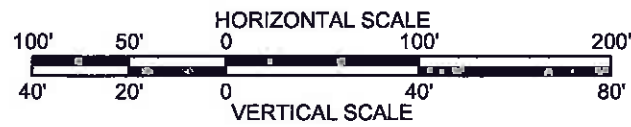
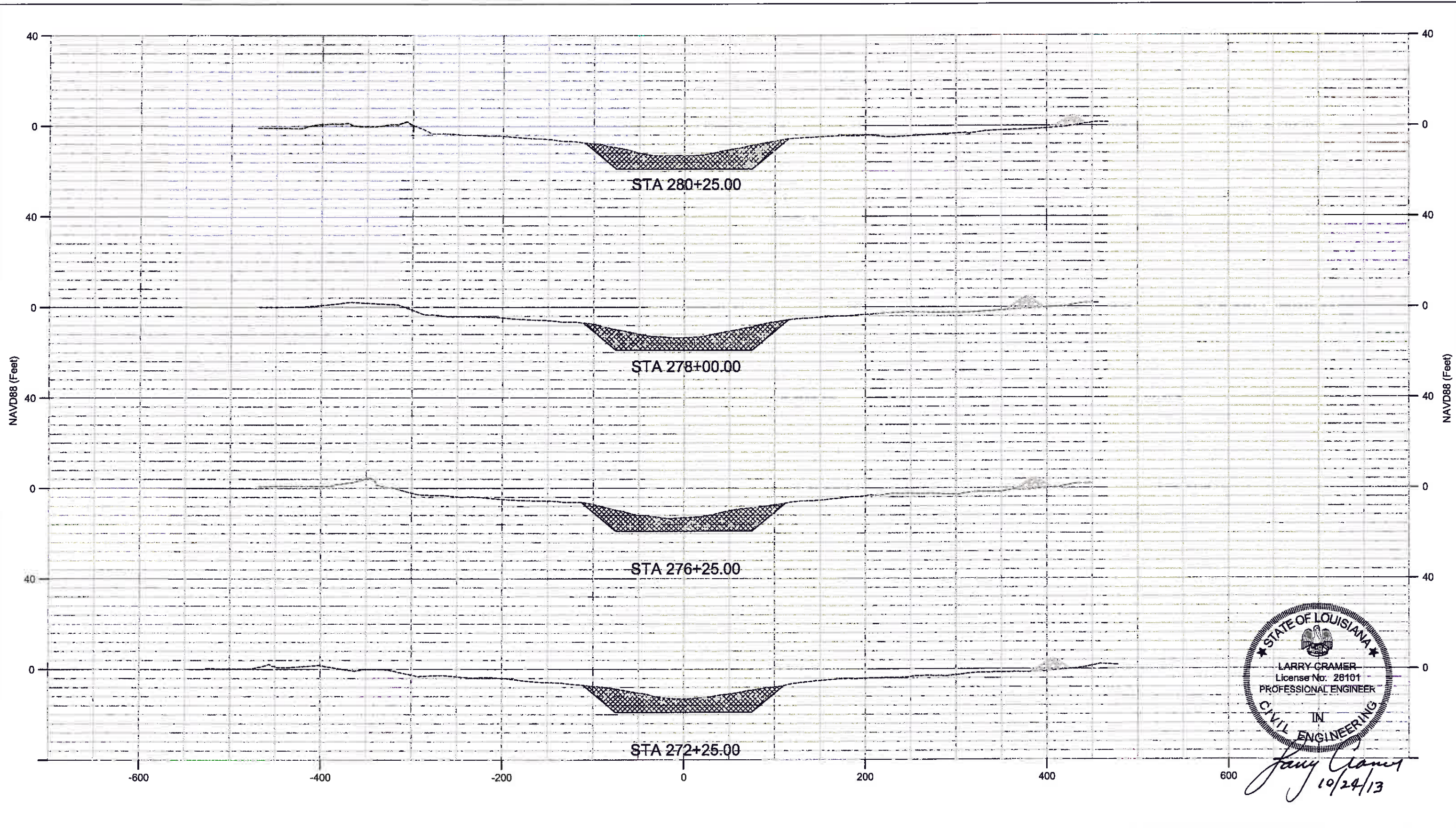
FEDERAL PROJECT NUMBER: ME-25SF

APPROVED BY: T. VINCENT

CROSS SECTIONS

DATE: JANUARY 2013

SHEET 33 OF 38



REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

FEDERAL PROJECT NUMBER: ME-25SF

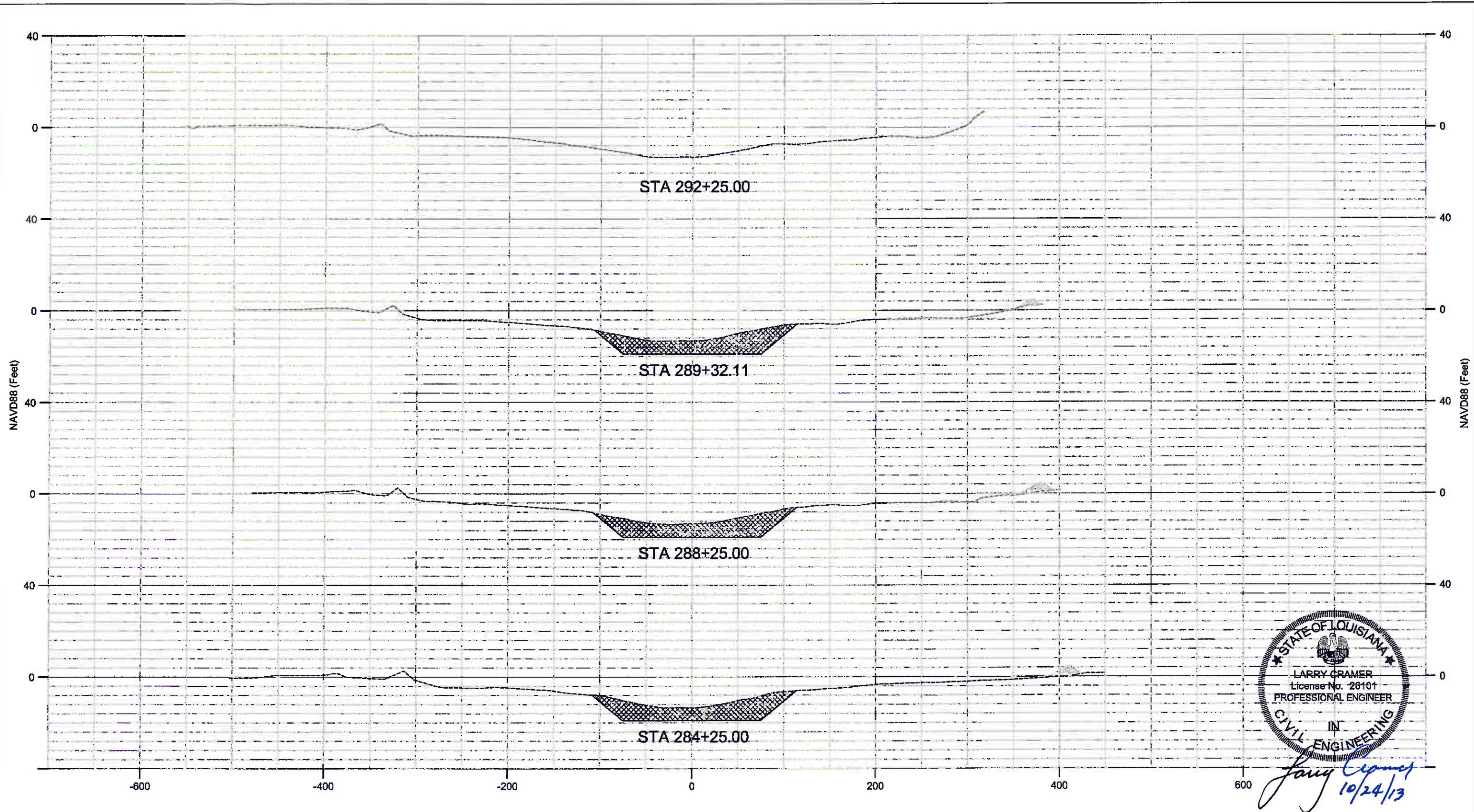
APPROVED BY: T. VINCENT

CROSS SECTIONS

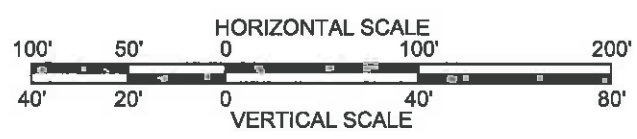
DATE: JANUARY 2013

SHEET 34 OF 38

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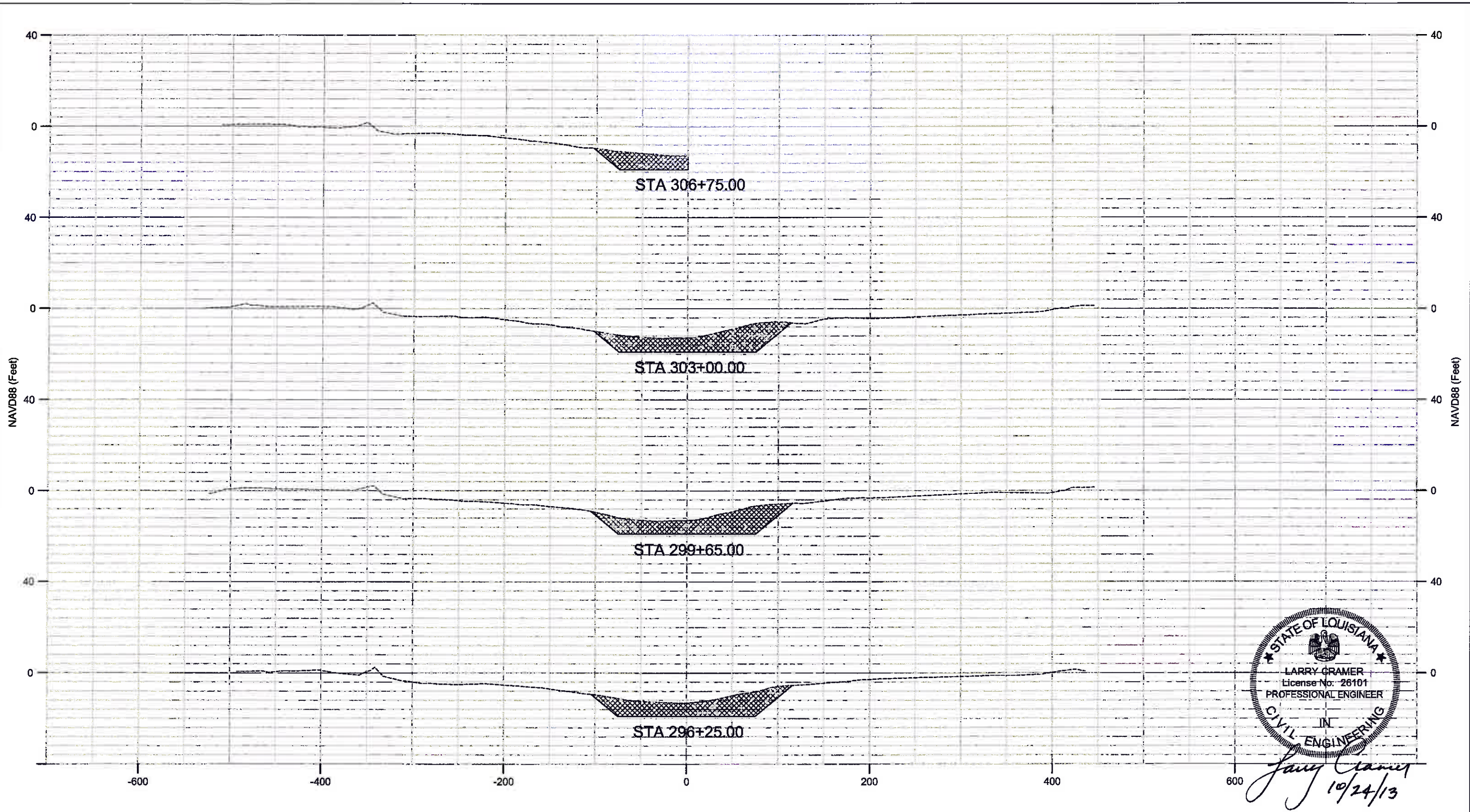
Sellers & Associates, Inc.
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COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

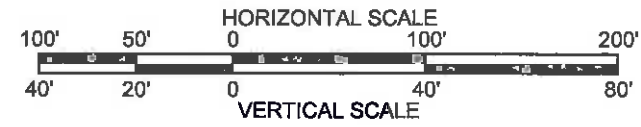
SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 35 OF 38

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COASTAL PROTECTION AND RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
NEAR FRESHWATER BAYOU

STATE PROJECT NUMBER: ME-25SF

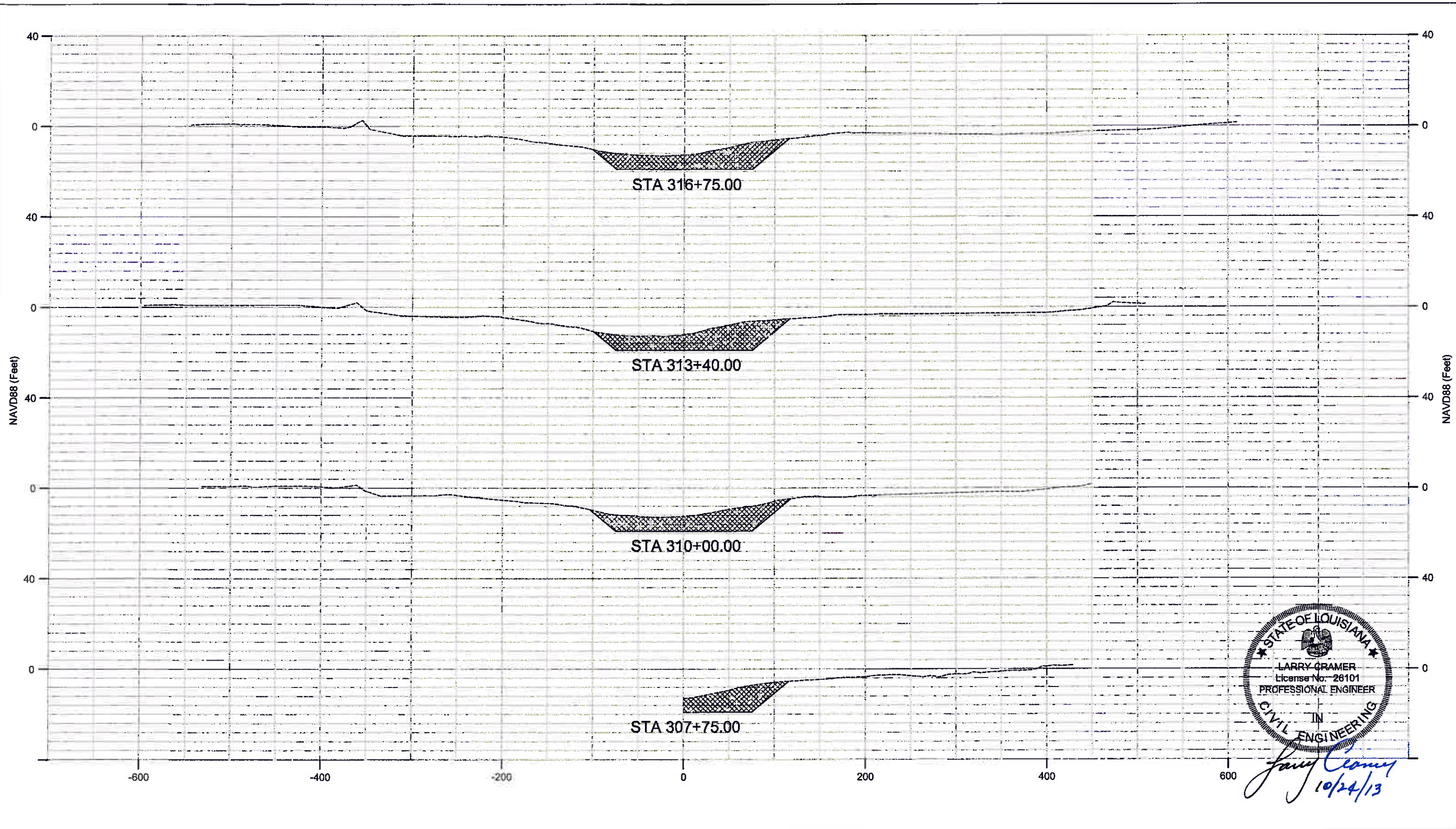
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APPROVED BY: T. VINCENT

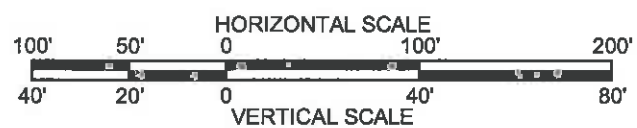
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DATE: JANUARY 2013

SHEET 36 OF 38



STATE OF LOUISIANA
 LARRY CRAMER
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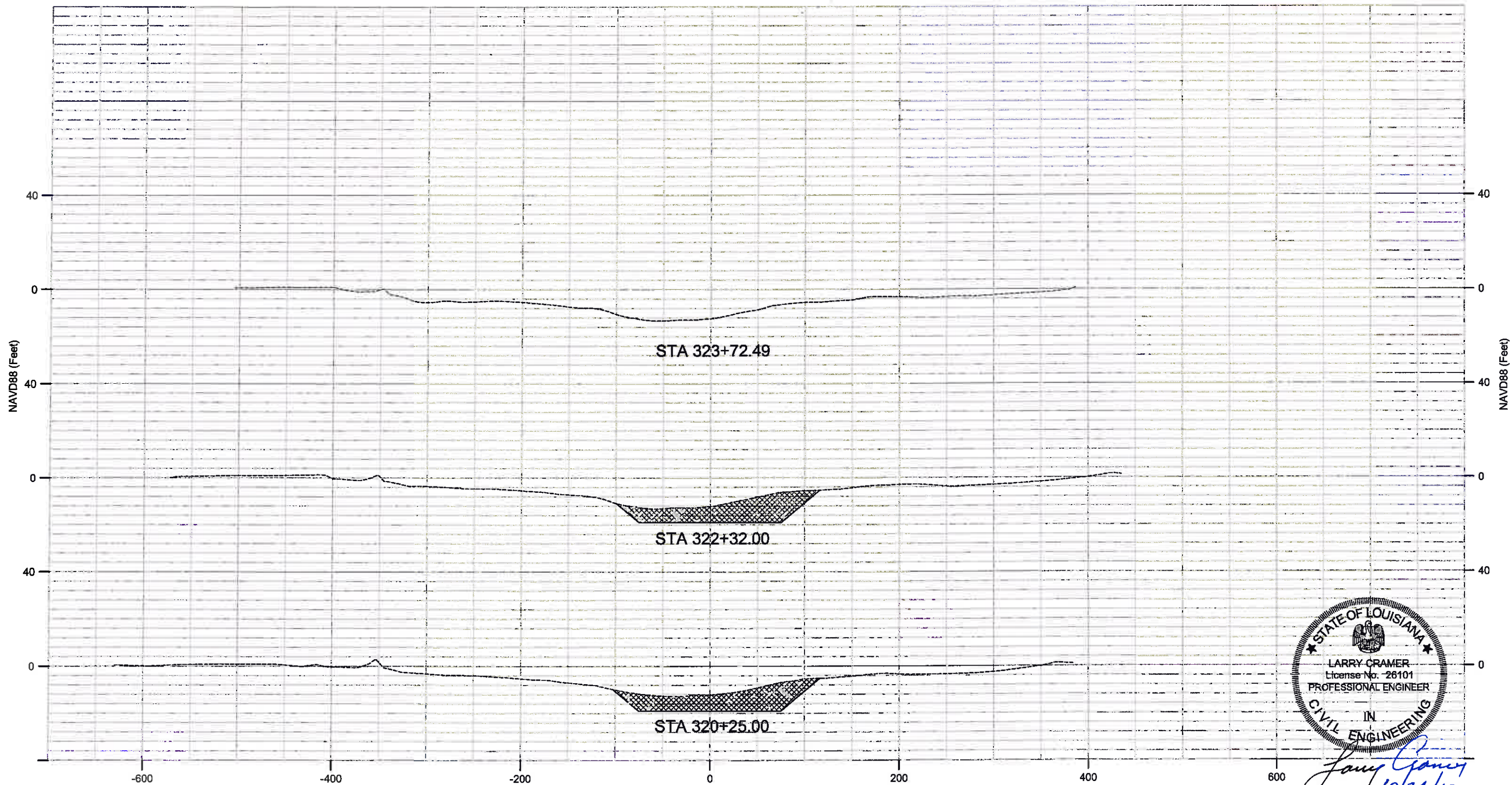
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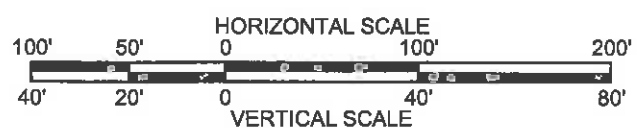
COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION
 NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 37 OF 38



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10/24/13



REV.	DATE	DESCRIPTION	BY



COASTAL PROTECTION AND RESTORATION AUTHORITY
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801
 DRAWN BY: L. CRAMER DESIGNED BY: L. CRAMER

SURPLUS MARSH CREATION NEAR FRESHWATER BAYOU
 STATE PROJECT NUMBER: ME-25SF
 FEDERAL PROJECT NUMBER: ME-25SF
 APPROVED BY: T. VINCENT

CROSS SECTIONS
 DATE: JANUARY 2013
 SHEET 38 OF 38