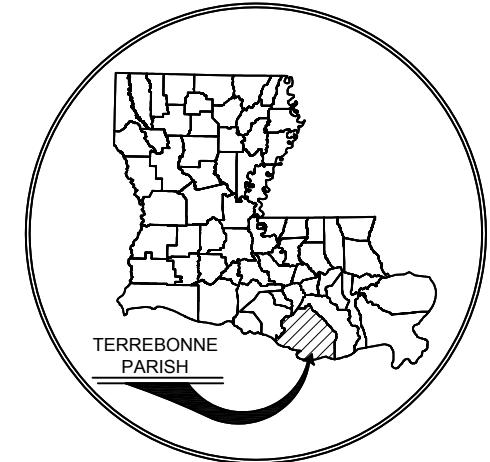
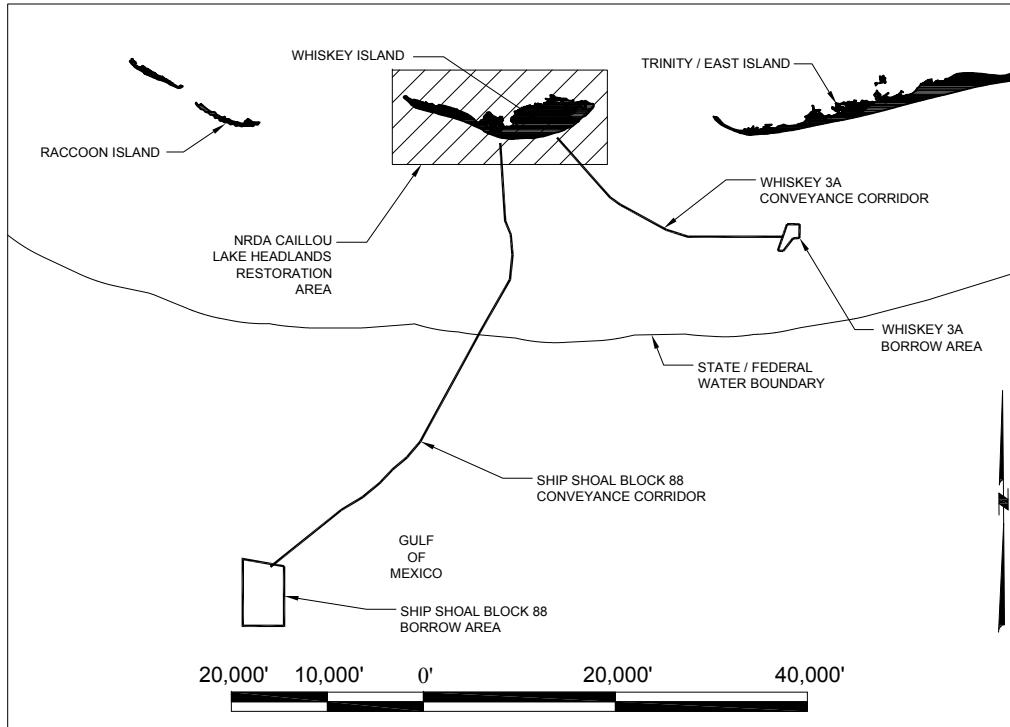


STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

NRDA CAILLOU LAKE HEADLANDS
STATE PROJECT NO. TE-100
TERREBONNE PARISH, LOUISIANA
PERMIT (MVN-2012-####-WPP)

INDEX TO SHEETS

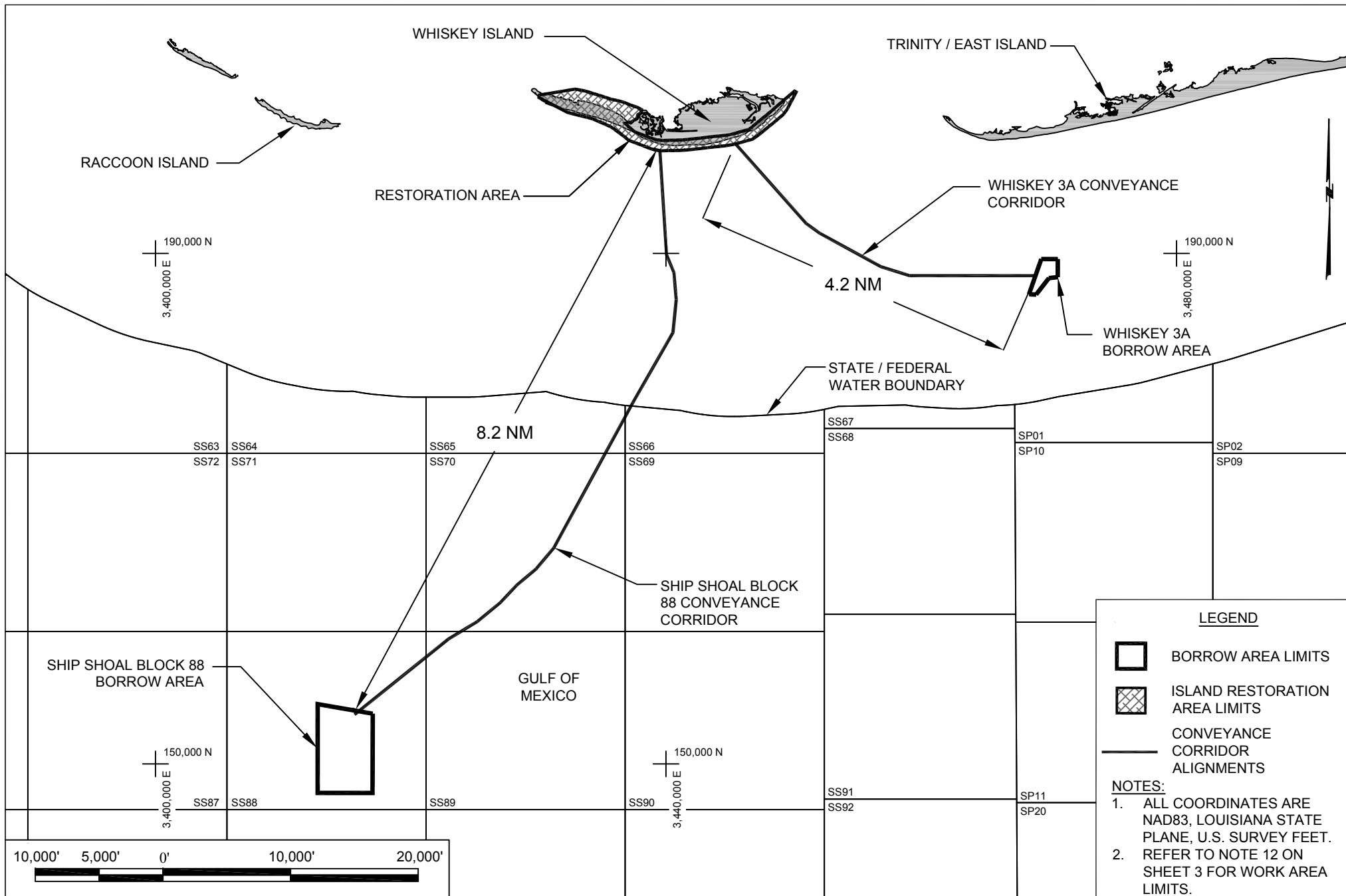
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT OVERVIEW MAP
3	GENERAL NOTES
4	RESTORATION AREA
5 - 6	RESTORATION PLAN VIEW INSET
7 - 8	RESTORATION TYPICAL SECTIONS
9	ACCESS CHANNEL TYPICAL SECTIONS
10	SHIP SHOAL BLOCK 88 BORROW AREA PLAN VIEW
11	SHIP SHOAL BLOCK 88 BORROW AREA TYPICAL SECTIONS
12	WHISKEY 3A BORROW AREA PLAN VIEW
13	WHISKEY 3A BORROW AREA TYPICAL SECTIONS
14	SHIP SHOAL BLOCK 88 CONVEYANCE CORRIDOR PLAN VIEW
15	SHIP SHOAL BLOCK 88 CONVEYANCE CORRIDOR TYPICAL SECTION
16	WHISKEY 3A CONVEYANCE CORRIDOR PLAN VIEW
17	WHISKEY 3A CONVEYANCE CORRIDOR TYPICAL SECTION
18	SETTLEMENT PLATE DETAIL
19	SAND FENCING DETAIL
20	ALIGNMENT TABLES



NOTES:

1. NOT TO BE USED FOR CONSTRUCTION.
2. RETAIN ENTIRE SET AS ONE, INDIVIDUAL SHEETS SHOULD NOT BE REMOVED.

BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY	NRDA - CAILLOU LAKE HEADLANDS	TITLE SHEET
MTP	UPDATE TO SHEET INDEX AND SHEET NUMBER REVISIONS	01/15 2013				
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.			APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 1 OF 20



BY	DESCRIPTION	DATE	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILOU LAKE HEADLANDS	PROJECT OVERVIEW MAP
MTP	SHEET NUMBER REVISIONS	01/15 2013			
				STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.		APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 2 OF 20

GENERAL NOTES:

1. ANY EXCAVATED MATERIAL WILL BE, TO THE BEST OF KNOWLEDGE, FREE OF CONTAMINANTS AND/OR WILL BE DISPOSED OF IN AN APPROVED LANDFILL.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE, CONSTRUCTION PLANS, AND CONTRACT DOCUMENTS AND SHALL CONDUCT WORK IN STRICT ACCORDANCE WITH ALL PERMITS AND APPROVALS OBTAINED FOR THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY ERRORS OR DISCREPANCIES IN THE PLANS PRIOR TO BIDDING.
3. ALL AERIAL IMAGERY FROM LOUISIANA DEPARTMENT OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS, 2010 AND MAY NOT BE INDICATIVE OF CURRENT CONDITIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS AT TIME OF CONSTRUCTION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE FIELD LOCATED AND MARKED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY. THE CONTRACTOR SHALL ALSO NOTIFY PIPELINE AND UTILITY OPERATORS 72 HOURS PRIOR TO ANY EXCAVATION.
6. THE WATER BOTTOM SHALL NOT BE DISTURBED DURING ACCESS TO THE PROPOSED WORK LOCATION, OR BY THE AUTHORIZED ACTIVITIES WHETHER IT BE BY DREDGING, WHEEL WASHING, PROPWASHING, JETTING, MUCKING, PLOWING, BULL DOZING OR ANY MEANS OF MOVING BOTTOM MATERIAL, EXCEPT AS DEPICTED ON THE PERMIT SHEETS. POWERED VESSELS SHALL BE OPERATED SO AS NOT TO DISTURB THE WATER BOTTOM BY PROPELLER OR JET ACTION.
7. ALL LOGS, STUMPS, AND OTHER DEBRIS UNEARTHED DURING DREDGING SHALL BE REMOVED TO AN APPROVED OFFSITE DISPOSAL AREA.
8. THE CONTRACTOR MUST INSTALL AND MAINTAIN ANY SAFETY LIGHTS, SIGNS, AND SIGNALS PRESCRIBED BY THE U.S. COAST GUARD, THROUGH REGULATIONS OR OTHERWISE ON THE AUTHORIZED FACILITIES.
9. 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.
10. PIPELINES IN OPEN WATER AND/OR NAVIGABLE WATERS SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION OR HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS.
11. THE PROPOSED PROJECT AND ANY FUTURE MAINTENANCE WORK INVOLVING THE USE OF FLOATING CONSTRUCTION EQUIPMENT (BARGE MOUNTED CRANES, BARGE MOUNTED PILE DRIVING EQUIPMENT, FLOATING DREDGE EQUIPMENT, DREDGE DISCHARGE PIPELINES, ETC.) IN FEDERAL WATERS, SHALL NOTIFY THE U.S. COAST GUARD SO THAT A NOTICE TO MARINERS, IF REQUIRED, MAY BE PREPARED. NOTIFICATION, WITH A COPY OF THE PERMIT APPROVAL AND DRAWINGS, SHALL BE MAILED TO THE U.S. COAST GUARD, SECTOR NEW ORLEANS COMMAND CENTER, 201 HAMMOND HIGHWAY, METAIRIE, LOUISIANA 70005, 30 DAYS BEFORE COMMENCEMENT OF WORK.
12. THE WORK AREA SHALL CONSIST OF THE BORROW AREAS, CONVEYANCE CORRIDORS, ACCESS CHANNELS, BORROW CHANNELS, CONTAINMENT DIKE CONSTRUCTION AREAS, BEACH AND DUNE FILL TEMPLATE, AND THE MARSH FILL TEMPLATE. THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS/HER PLANT, EQUIPMENT, AND OPERATIONS OF PERSONNEL WITHIN THE LIMITS OF THE WORK AREA, AREAS PERMITTED BY LAW, ORDINANCES, PERMITS, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT UNREASONABLY ENCUMBER THE PREMISES WITH PLANT OR EQUIPMENT.
13. THE CONTRACTOR SHALL FOLLOW CONVEYANCE CORRIDORS, ACCESS CHANNELS, AND / OR FILL TEMPLATES, AND SHALL NOT, AT ANY TIME, TRAVEL ON EXISTING MARSH OR VEGETATED WETLANDS UNLESS SPECIFIED IN THE PERMIT OR THROUGH WRITTEN DIRECTION FROM ENGINEER.
14. THE CONTRACTOR SHALL WORK COOPERATIVELY WITH THE OWNER TO ADDRESS THE NOTIFICATION AND COORDINATION REQUIREMENTS WITH THE LANDOWNERS, UTILITY OPERATORS, AND PIPELINE COMPANIES.
15. AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.
16. ALL STRUCTURES, FACILITIES, WELL AND PIPELINE/FLOWLINES OCCURRING IN OPEN WATER AREAS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OR THE FACILITIES FOR THE HEREIN PERMITTED USE UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE OFFICE OF COASTAL MANAGEMENT. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED.
17. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.

SURVEY NOTES:

1. ALL COORDINATES ARE NORTH AMERICAN DATUM OF 1983 (NAD 83 - GEOD 2009), LOUISIANA STATE PLANE, SOUTHERN ZONE, U.S. SURVEY FEET. ALL RESTORATION AREA ELEVATIONS ARE BASED ON NATIONAL GEODETIC SURVEY AND LOUISIANA DEPARTMENT OF NATURAL RESOURCES MONUMENTS.

MONUMENTS	ELEVATION	NORTHING	EASTING
TBBSR-SM-01	3.30'	199,122.52	3,444,226.48
TE14-SM-01	2.29'	199,323.20	3,438,609.45

2. ALL ELEVATIONS ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - 2004.65), U.S. SURVEY FEET UNLESS OTHERWISE SPECIFIED.
3. ALL BORROW AREA AND CONVEYANCE CORRIDOR SURVEYS PERFORMED BY OCEAN SURVEYS, INC., 2012.
4. ALL HEADLAND SURVEYS PERFORMED BY EMC, INC., 2012.
5. INFORMATION SHOWN HEREIN REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.

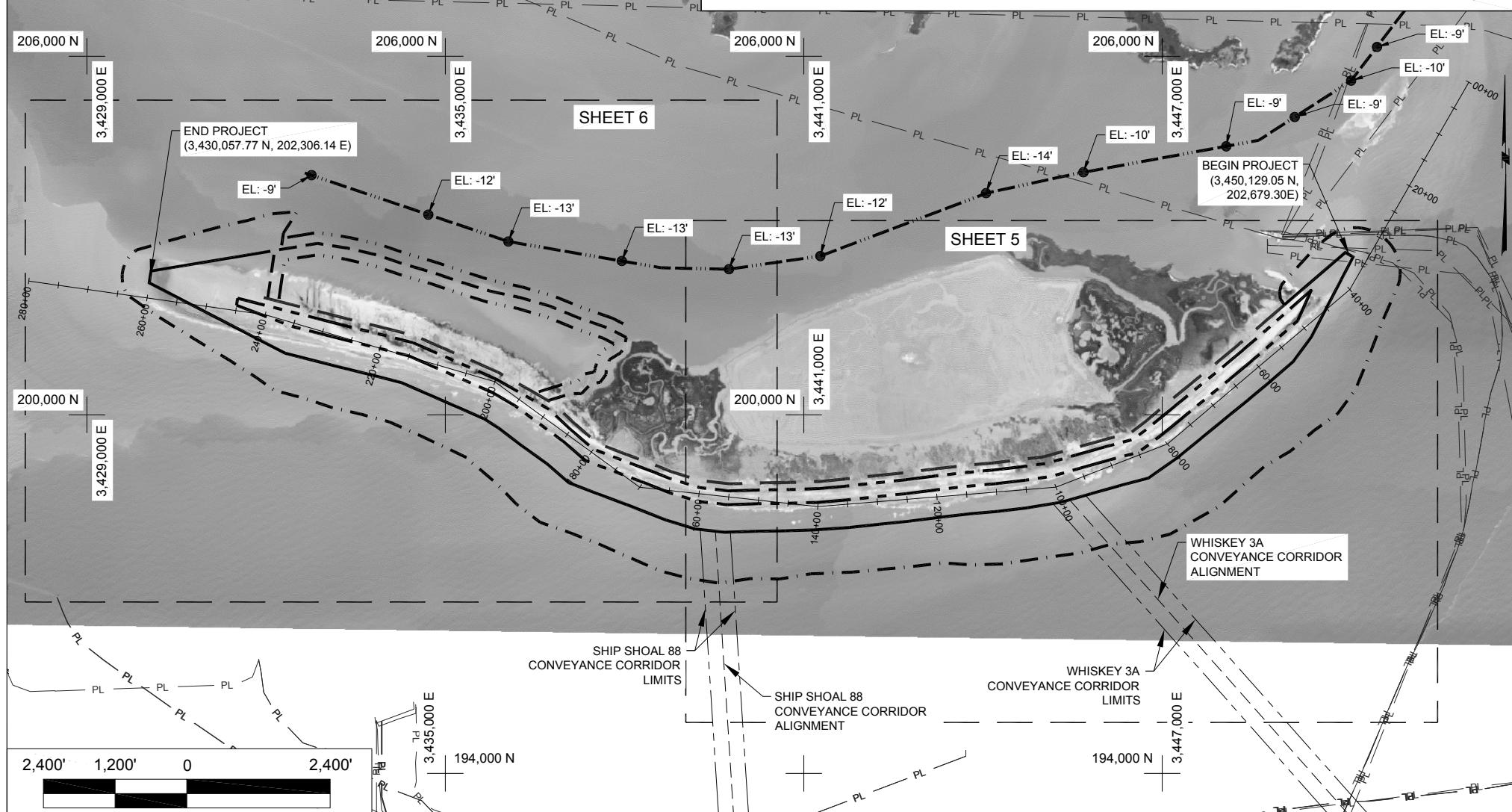
BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILOU LAKE HEADLANDS	GENERAL NOTES
MTP	GENERAL NOTES AND SHEET NUMBER REVISIONS	01/15 2013				
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.		FEDERAL PROJECT NUMBER: TE-100	SHEET 3 OF 20	

NOTES:

1. AERIAL IMAGE FROM LOUISIANA DEPARTMENT OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS, 2010.
2. ALL COORDINATES ARE NAD83, LOUISIANA STATE PLANE SOUTH ZONE, U.S. SURVEY FEET.
3. SEE SHEETS 5 THROUGH 9 FOR DESIGN DETAILS.
4. PROBABLE PIPELINES FROM COASTAL MANAGEMENT DIVISION, LOUISIANA DEPARTMENT ON NATURAL RESOURCES, 2010.
5. REFER TO NOTE 12 ON SHEET 3 FOR WORK AREA LIMITS.

LEGEND

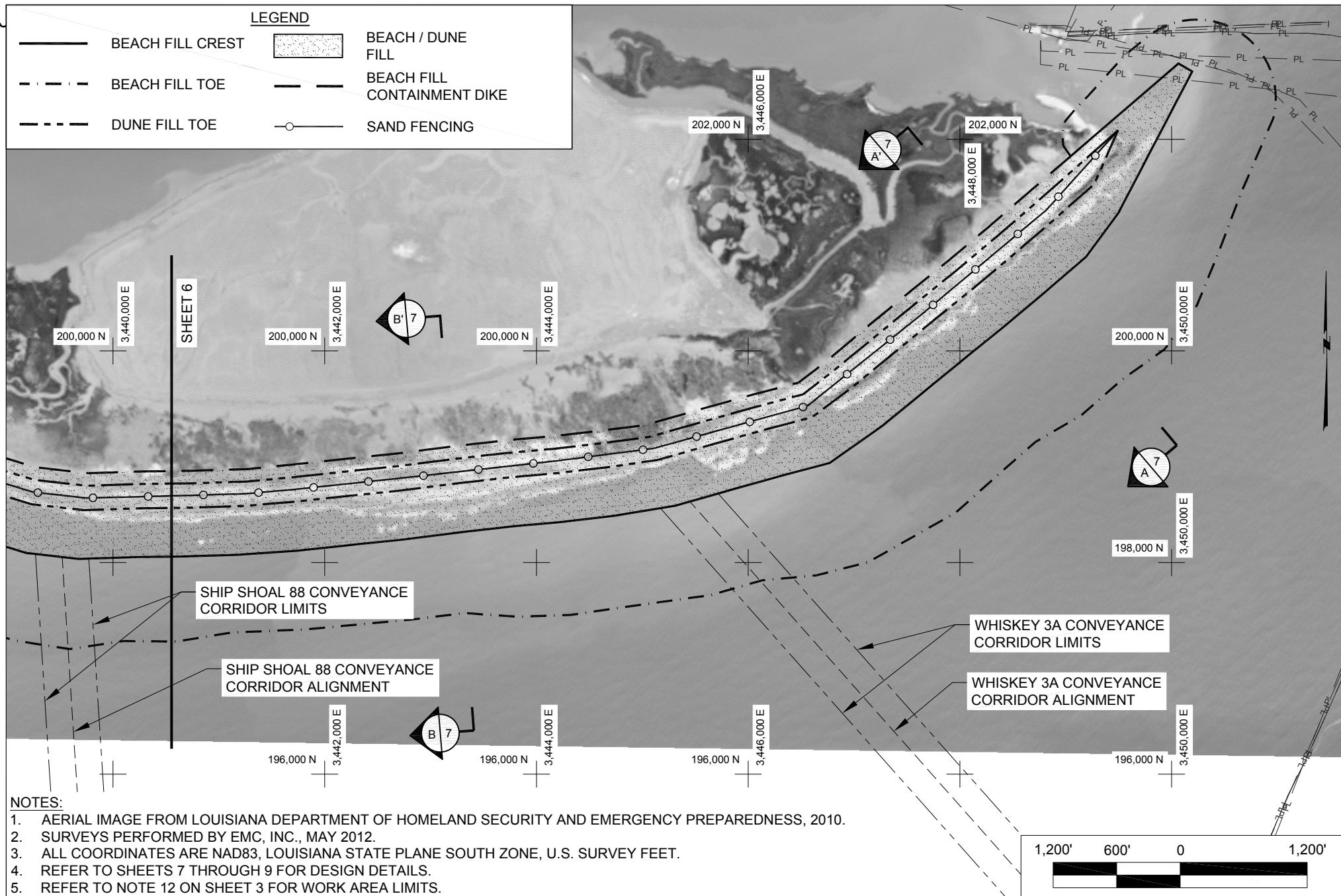
	BEACH CREST ALIGNMENT		MARSH FILL CONTAINMENT
	BEACH TOE ALIGNMENT		DIKE ALIGNMENT
	DUNE TOE ALIGNMENT		INTERIOR / EXTERIOR CONTAINMENT
	PROJECT BASELINE		DIKE BORROW CHANNEL ALIGNMENT
	PROBABLE PIPELINES		BEACH FILL CONTAINMENT
	DEEP WATER ACCESS		DIKE ALIGNMENT
			CONVEYANCE CORRIDORS



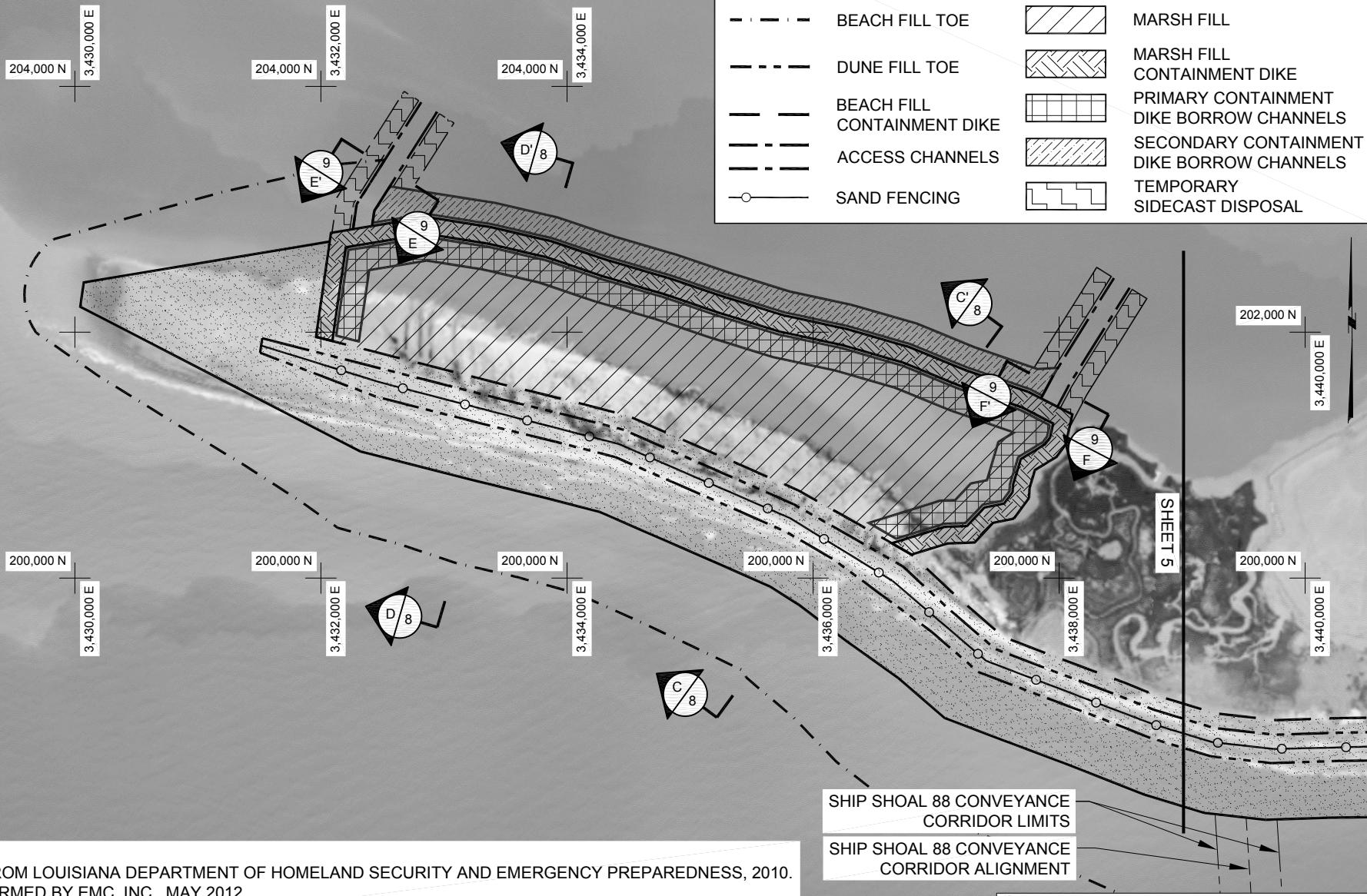
BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	RESTORATION AREA PLAN VIEW
MTP	ADDITION OF DEEP WATER ACCESS ALIGNMENT, SHEET NUMBER REVISIONS	01/15 2013				
STATE PROJECT NUMBER: TE-100						DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY		DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 4 OF 20	

LEGEND

BEACH FILL CREST		BEACH / DUNE FILL
BEACH FILL TOE		BEACH FILL CONTAINMENT DIKE
DUNE FILL TOE		SAND FENCING



BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	RESTORATION AREA PLAN VIEW INSET
MTP	ADDITION OF INSET PLAN VIEW SHEET AND SAND FENCING ALIGNMENT, SHEET NUMBER REVISIONS	01/15 2013				
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.			APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 5 OF 20



NOTES:

- AERIAL IMAGE FROM LOUISIANA DEPARTMENT OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS, 2010.
- SURVEYS PERFORMED BY EMC, INC., MAY 2012.
- ALL COORDINATES ARE NAD83, LOUISIANA STATE PLANE SOUTH ZONE, U.S. SURVEY FEET.
- REFER TO SHEETS 7 THROUGH 9 FOR DESIGN DETAILS.
- REFER TO NOTE 3 ON SHEET 12 FOR WORK AREA LIMITS.

BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	RESTORATION AREA PLAN VIEW INSET
MTP	ADDITION OF SAND FENCING ALIGNMENT, SHEET NUMBER REVISIONS	01/15 2013				
					STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.			APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 6 OF 20

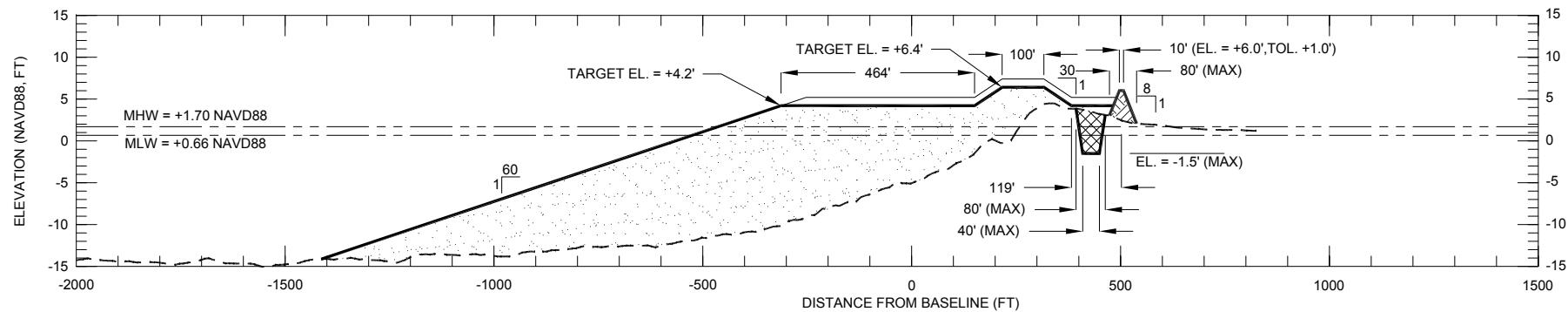
LEGEND:

	BEACH / DUNE FILL
	BEACH SEPARATION DIKE
	EXISTING GRADE (2012)

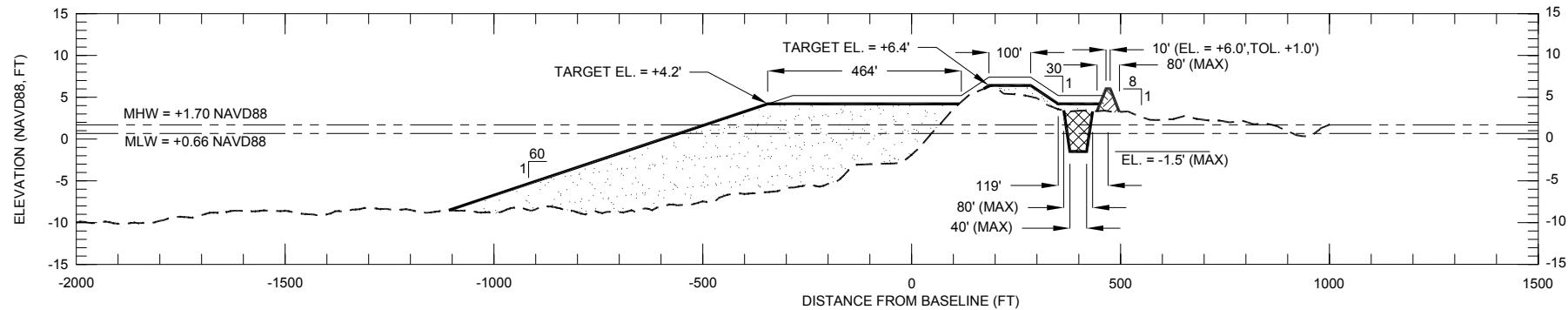
	DESIGN
	CONSTRUCTION TOLERANCE (SEE NOTE 3)

SCALE:
H: 1" = 400'
V: 1" = 20'

A - A'



B - B'



NOTES:

1. SECTIONS ARE VIEWED AS LOOKING WEST.
2. SURVEY PERFORMED BY EMC, INC. 2012.
3. A ONE FOOT TOLERANCE IS INCLUDED TO ACCOUNT FOR CONSTRUCTION METHODS AND CONSOLIDATION/SETTLEMENT OF THE FILL.

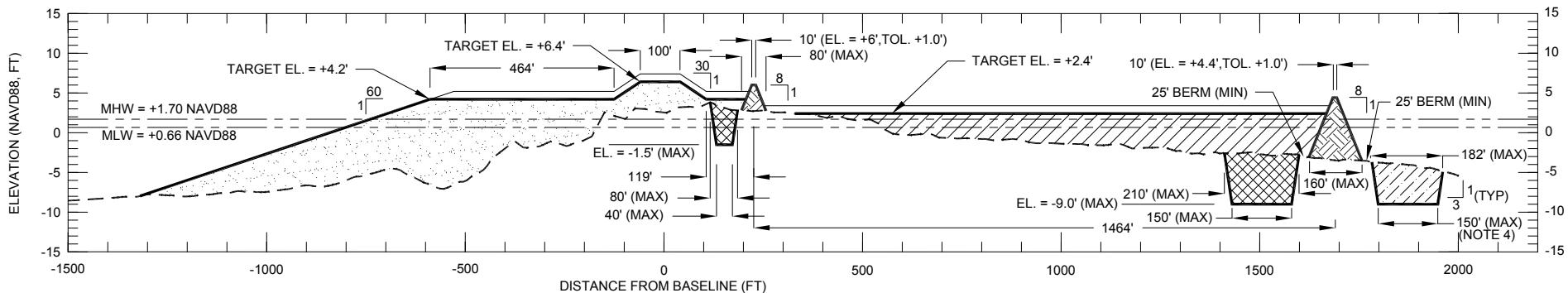
BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	RESTORATION AREA TYPICAL SECTIONS
MTP	UPDATE TO CHANNEL AND DIKE DIMENSIONS, SHEET NUMBER REVISIONS	01/15 2013				
					STATE PROJECT NUMBER: TE-100	
					DATE: NOVEMBER 2012	
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 7 OF 20		

LEGEND:

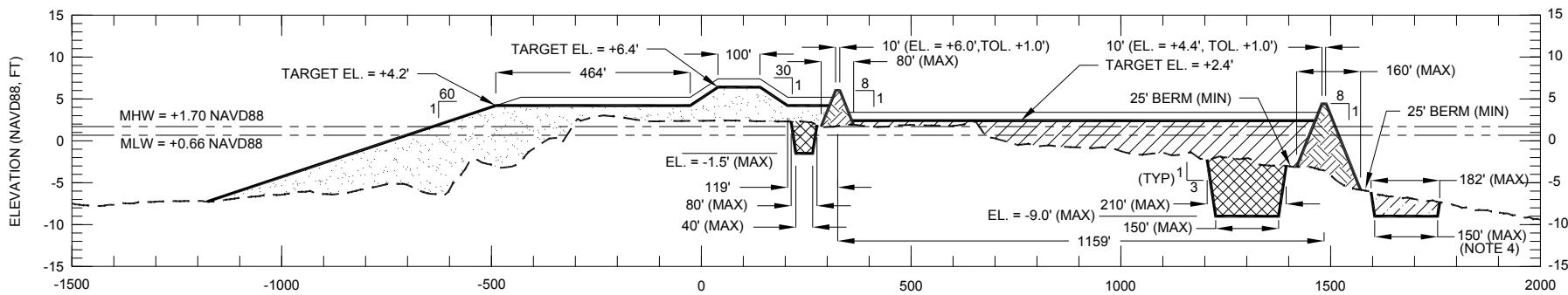
	BEACH / DUNE FILL		BEACH SEPARATION DIKE / MARSH CONTAINMENT DIKE
	MARSH FILL		PRIMARY SEPARATION / CONTAINMENT DIKE BORROW CHANNELS
	EXISTING GRADE (2012)		SECONDARY CONTAINMENT DIKE BORROW CHANNELS
	DESIGN		CONSTRUCTION TOLERANCE (SEE NOTE 3)

SCALE:
H: 1" = 400'
V: 1" = 20'

C - C'



D - D'



NOTES:

1. SECTIONS ARE VIEWED AS LOOKING WEST.
2. SURVEY PERFORMED BY EMC, INC. 2012.
3. A ONE FOOT TOLERANCE IS INCLUDED TO ACCOUNT FOR CONSTRUCTION METHODS AND CONSOLIDATION/SETTLEMENT OF THE FILL.
4. EXTERIOR CONTAINMENT DIKE BORROW CHANNEL MAXIMUM BOTTOM OF CUT WIDTH IS 150' EXCEPT AT INTERSECTION TO ACCESS CHANNELS.

BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILOU LAKE HEADLANDS	RESTORATION AREA TYPICAL SECTIONS
MTP	UPDATE TO CHANNEL AND DIKE DIMENSIONS, SHEET NUMBER REVISIONS	01/15 2013				
					STATE PROJECT NUMBER: TE-100	
					DATE: NOVEMBER 2012	
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.			FEDERAL PROJECT NUMBER: TE-100	SHEET 8 OF 20

LEGEND:



TEMPORARY SIDECAST DISPOSAL

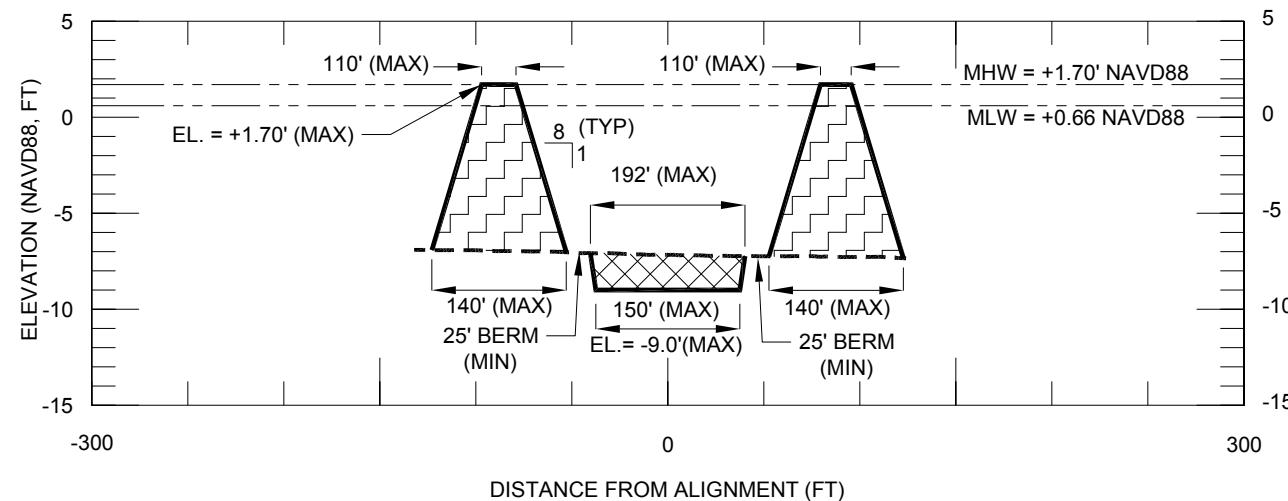
SECONDARY CONTAINMENT DIKE
BORROW CHANNELS

EXISTING GRADE (2012)

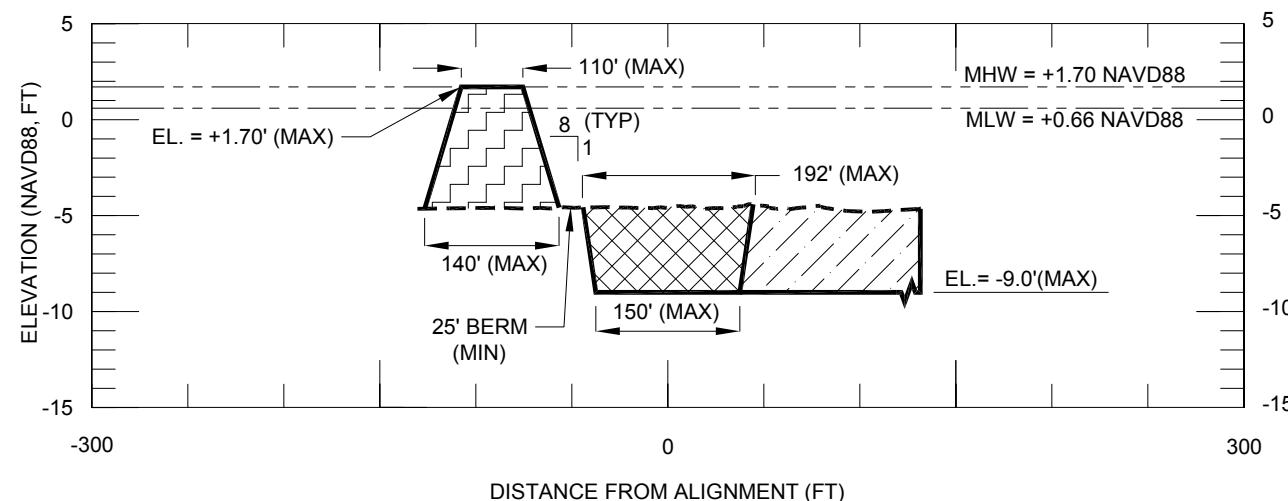
DESIGN

SCALE:
H: 1" = 200'
V: 1" = 10'

E - E'



F - F'



NOTES:

1. SECTIONS ARE VIEWED AS LOOKING SOUTH.
2. SURVEY PERFORMED BY EMC, INC. 2012.

BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	ACCESS CHANNEL TYPICAL SECTIONS
MTP	UPDATE TO CHANNEL AND TEMPORARY DISPOSAL DIMENSIONS, SHEET NUMBER REVISIONS	01/15 2013				
					STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.				FEDERAL PROJECT NUMBER: TE-100	SHEET 9 OF 20

LEGEND

- 18 BATHYMETRIC CONTOUR (2003)
- PL PROBABLE PIPELINE (NOTE 4)
- — 2012 SURVEY AREA LIMITS

— BORROW AREA LIMITS

— — DREDGE CUT DEPTH CHANGE

SS88 BOEM LEASE BLOCK

— — — SHIP SHOAL BLOCK 88 CONVEYANCE CORRIDOR

● VIBRACORE (2005)

NOTES:

1. ALL COORDINATES ARE IN NAD83, STATE PLANE - LOUISIANA SOUTH, U.S. SURVEY FEET.
2. ALL UNITS ARE U.S. SURVEY FEET.
3. DEPTHS ARE SHOWN IN MEAN LOWER LOW WATER.
4. PROBABLE PIPELINES FROM BUREAU OF OCEAN ENERGY MANAGEMENT, 2007 AND COASTAL MANAGEMENT DIVISION, LOUISIANA DEPARTMENT OF NATURAL RESOURCES, 2010.
5. SURVEY PERFORMED BY C&C TECHNOLOGIES, 2003.
6. SEE SHEET 20 FOR BORROW AREA BOUNDARY COORDINATES.
7. REFER TO NOTE 12 ON SHEET 3 FOR WORK AREA LIMITS.

SS87

20

3,409,500 E

147,000 N

1,500'

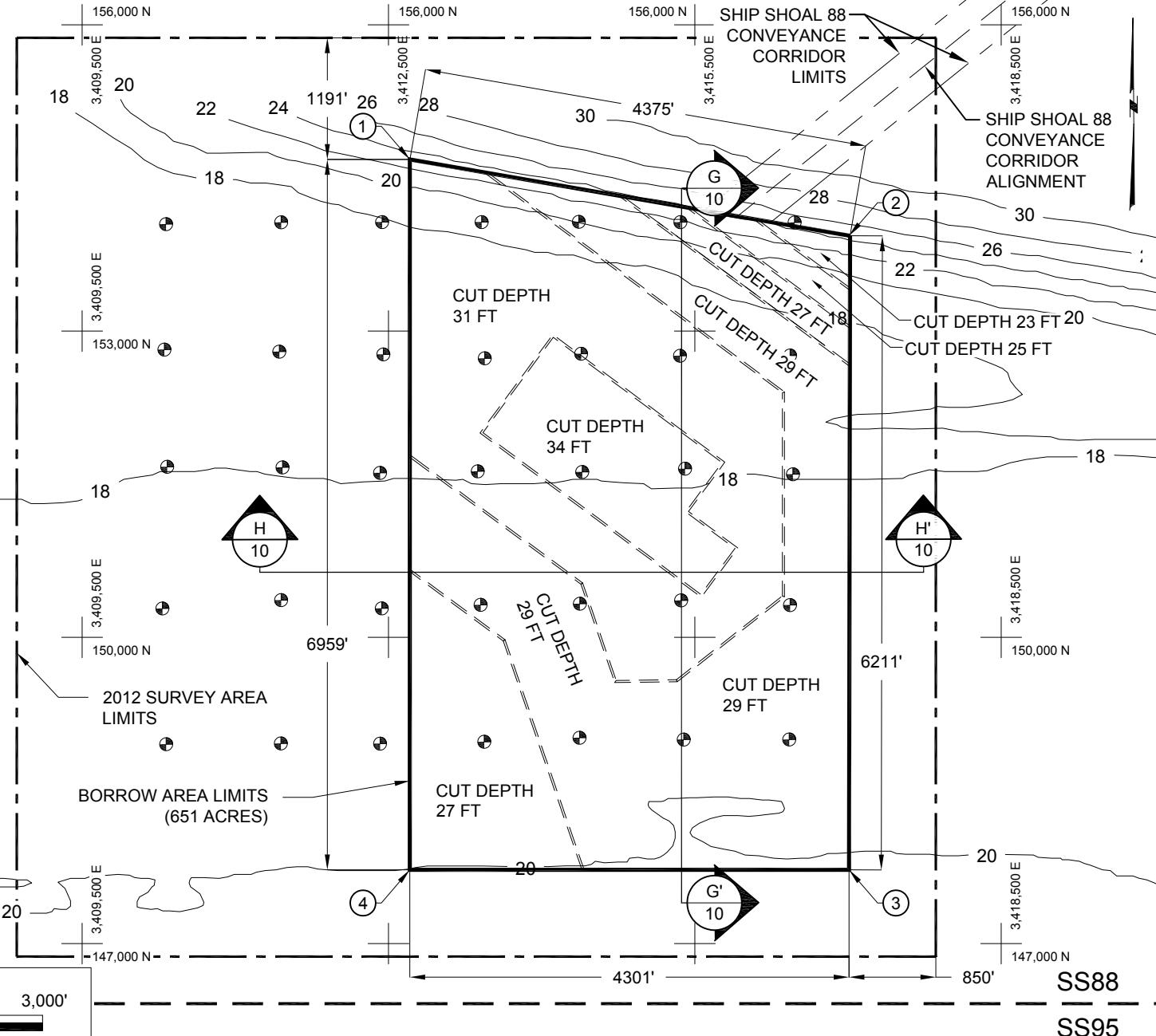
750'

0'

1,500'

3,000'

3,000'



BY	DESCRIPTION	DATE
MTP	NOTES AND SHEET NUMBER REVISIONS	01/15 2013



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

NRDA - CAILLOU LAKE HEADLANDS

STATE PROJECT NUMBER: TE-100

SHIP SHOAL BLOCK 88
BORROW AREA
PLAN VIEW

DATE: NOVEMBER 2012

DRAWN BY: DARTEZ / WORTHY

DESIGNED BY: MICHAEL T. POFF, P.E.

APPROVED BY: SHANNON HAYNES, P.E.

FEDERAL PROJECT NUMBER: TE-100

SHEET 10 OF 20

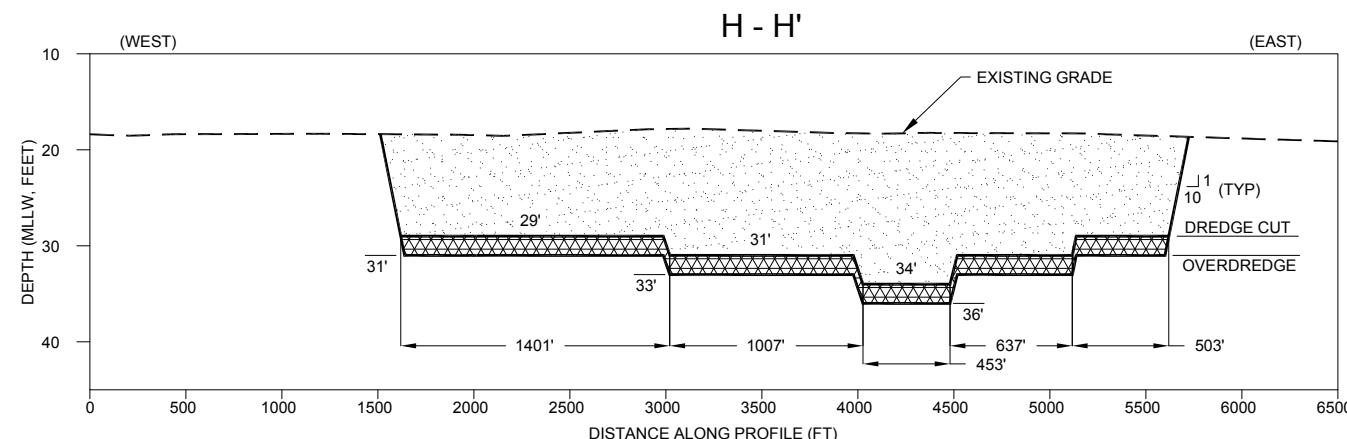
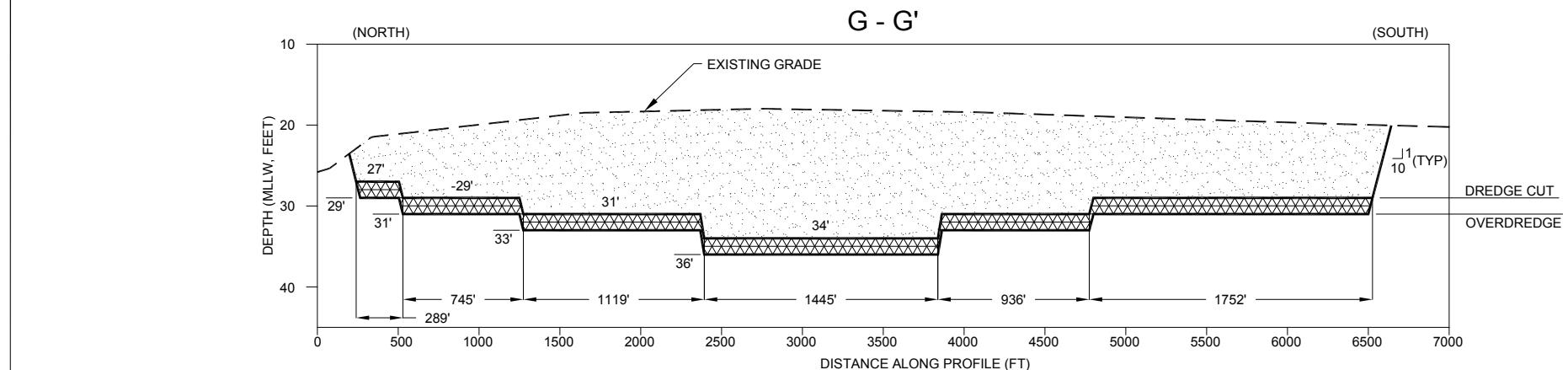
LEGEND:



DESIGN CUT



OVERDREDGE TOLERANCE



NOTES:

- ELEVATIONS ARE SHOWN IN MEAN LOWER LOW WATER (MLLW).
- BATHYMETRIC SURVEY CONDUCTED BY C&C, 2003.
- MEAN HIGH WATER = 1.05' (MLLW), MEAN LOW WATER = +0.01' (MLLW)

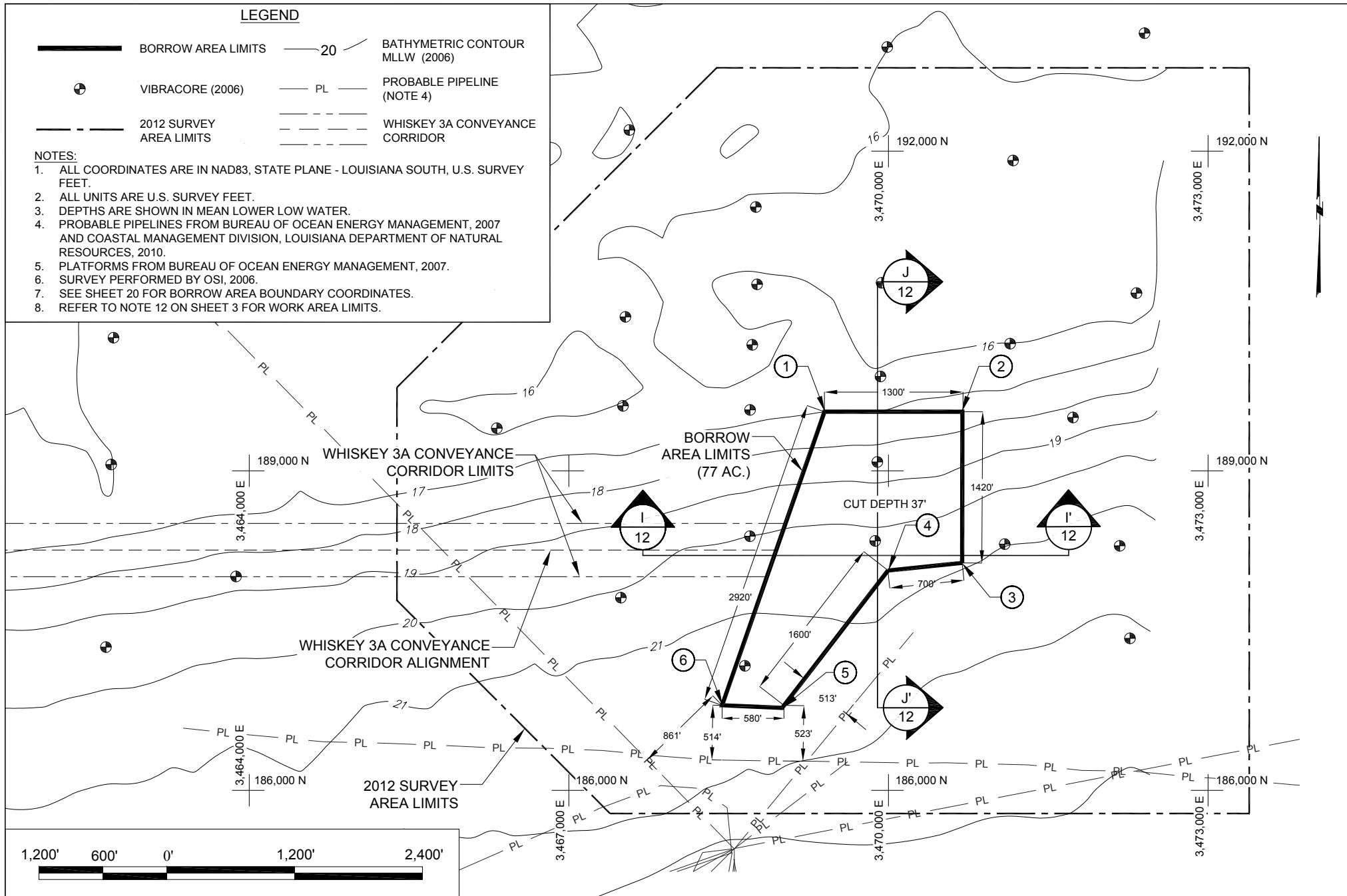
BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	SHIP SHOAL BLOCK 88 BORROW AREA TYPICAL SECTIONS
MTP	SHEET NUMBER REVISIONS	01/15 2013				
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.			STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
					FEDERAL PROJECT NUMBER: TE-100	SHEET 11 OF 20

LEGEND

- BORROW AREA LIMITS ——— 20 BATHYMETRIC CONTOUR MLLW (2006)
- VIBRACORE (2006) —●— PL PROBABLE PIPELINE (NOTE 4)
- 2012 SURVEY AREA LIMITS ——— WHISKEY 3A CONVEYANCE CORRIDOR

NOTES:

1. ALL COORDINATES ARE IN NAD83, STATE PLANE - LOUISIANA SOUTH, U.S. SURVEY FEET.
2. ALL UNITS ARE U.S. SURVEY FEET.
3. DEPTHS ARE SHOWN IN MEAN LOWER LOW WATER.
4. PROBABLE PIPELINES FROM BUREAU OF OCEAN ENERGY MANAGEMENT, 2007 AND COASTAL MANAGEMENT DIVISION, LOUISIANA DEPARTMENT OF NATURAL RESOURCES, 2010.
5. PLATFORMS FROM BUREAU OF OCEAN ENERGY MANAGEMENT, 2007.
6. SURVEY PERFORMED BY OSI, 2006.
7. SEE SHEET 20 FOR BORROW AREA BOUNDARY COORDINATES.
8. REFER TO NOTE 12 ON SHEET 3 FOR WORK AREA LIMITS.



BY	DESCRIPTION	DATE	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	WHISKEY 3A BORROW AREA PLAN VIEW
MTP	GENERAL NOTES AND SHEET NUMBER REVISIONS	01/15 2013			
				STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.		APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 12 OF 20

LEGEND:



DESIGN CUT

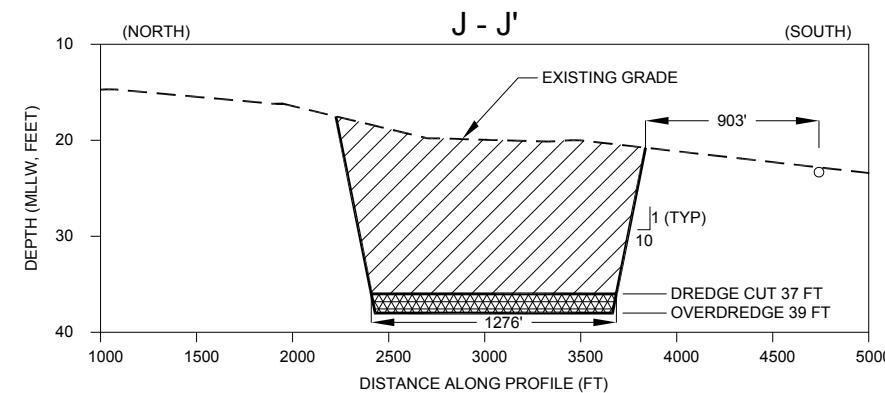
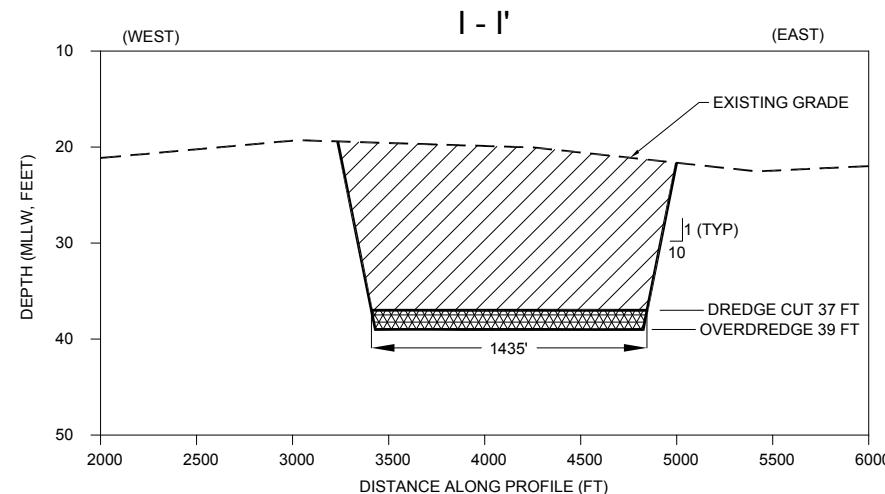


OVERDREDGE TOLERANCE



EXISTING GRADE (2003)

SCALE:
H: 1" = 1000'
V: 1" = 20'



NOTES:

- ELEVATIONS ARE SHOWN IN MEAN LOWER LOW WATER (MLLW).
- BATHYMETRIC SURVEY CONDUCTED BY OSI, 2006.
- MEAN HIGH WATER = 1.05' (MLLW), MEAN LOW WATER = +0.01' (MLLW)

BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	WHISKEY 3A BORROW AREA TYPICAL SECTIONS
MTP	SHEET NUMBER REVISIONS	01/15 2013			STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.			FEDERAL PROJECT NUMBER: TE-100	SHEET 13 OF 20

NOTES:

1. PROBABLE PIPELINE LOCATIONS OBTAINED FROM ONLINE DATABASES, BUREAU OF OCEAN ENERGY MANAGEMENT, 2007 (OFFSHORE) AND COASTAL MANAGEMENT DIVISION, LOUISIANA DEPARTMENT OF NATIONAL RESOURCES, 2010 (NEARSHORE).
2. SEE SHEET 20 FOR CONVEYANCE CORRIDOR ALIGNMENT COORDINATES.
3. REFER TO NOTE 12 ON SHEET 3 FOR WORK AREA LIMITS.

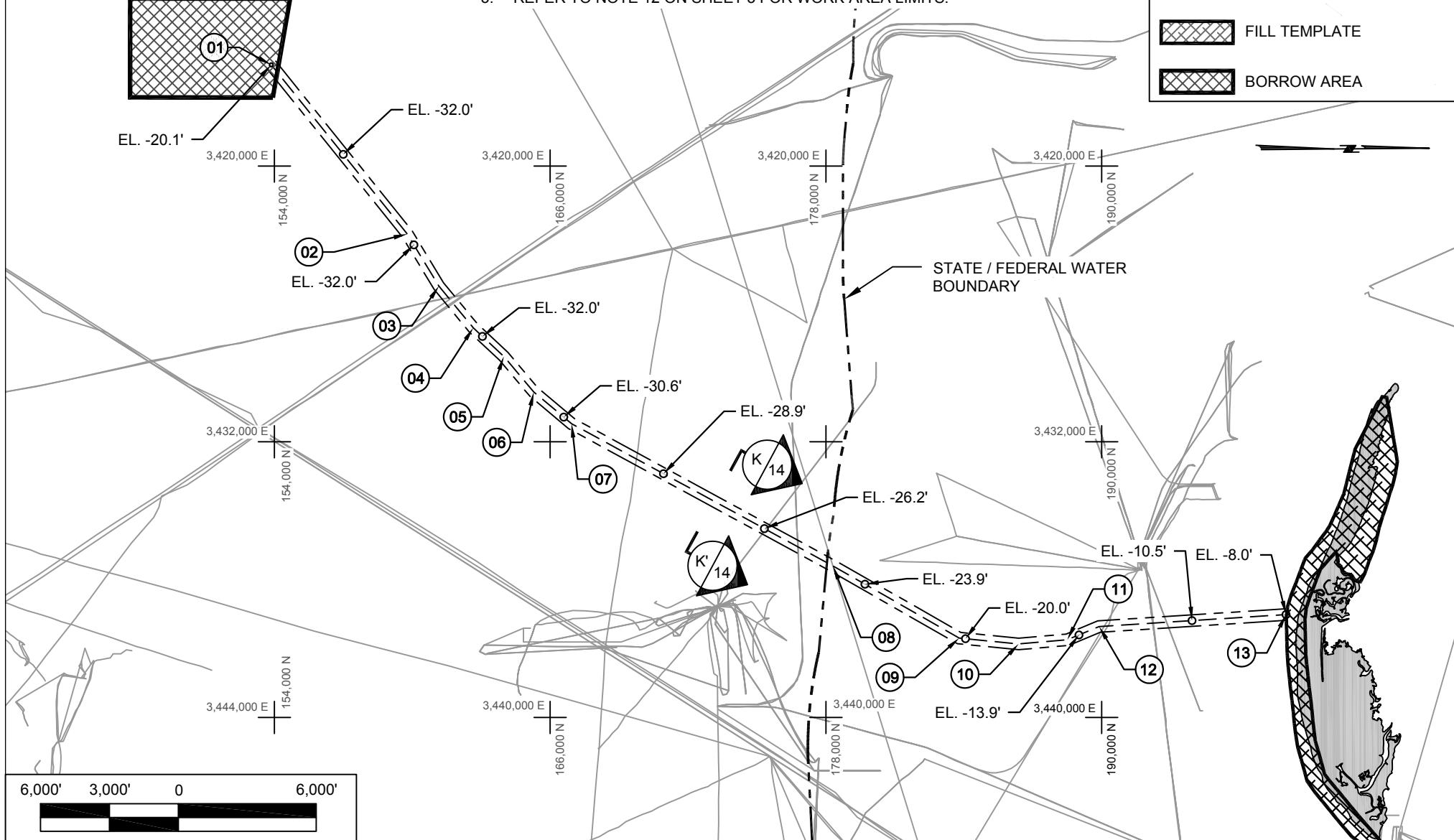
LEGEND

PROBABLE PIPELINES
(NOTE 1)

CONVEYANCE CORRIDOR
ALIGNMENT (500' WIDE)

FILL TEMPLATE

BORROW AREA



BY	DESCRIPTION	DATE
MTP	GENERAL NOTES AND SHEET NUMBER REVISIONS	01/15 2013



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

NRDA - CAILOU LAKE
HEADLANDS

SHIP SHOAL BLOCK 88
CONVEYANCE CORRIDOR
PLAN VIEW

STATE PROJECT NUMBER: TE-100

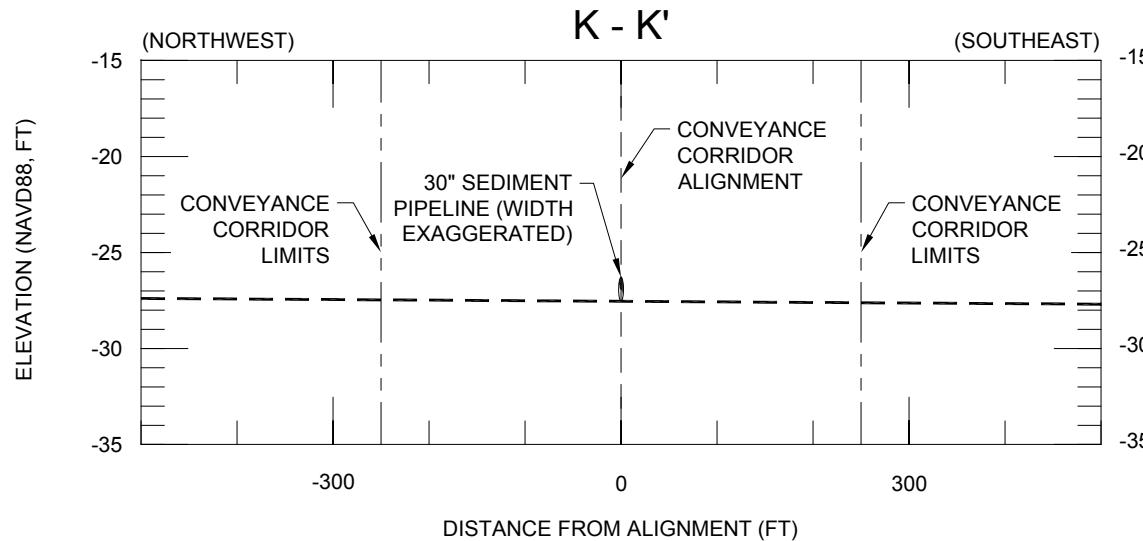
DATE: NOVEMBER 2012

LEGEND:

EXISTING GRADE (2012)

SUBMERGED SEDIMENT PIPELINE

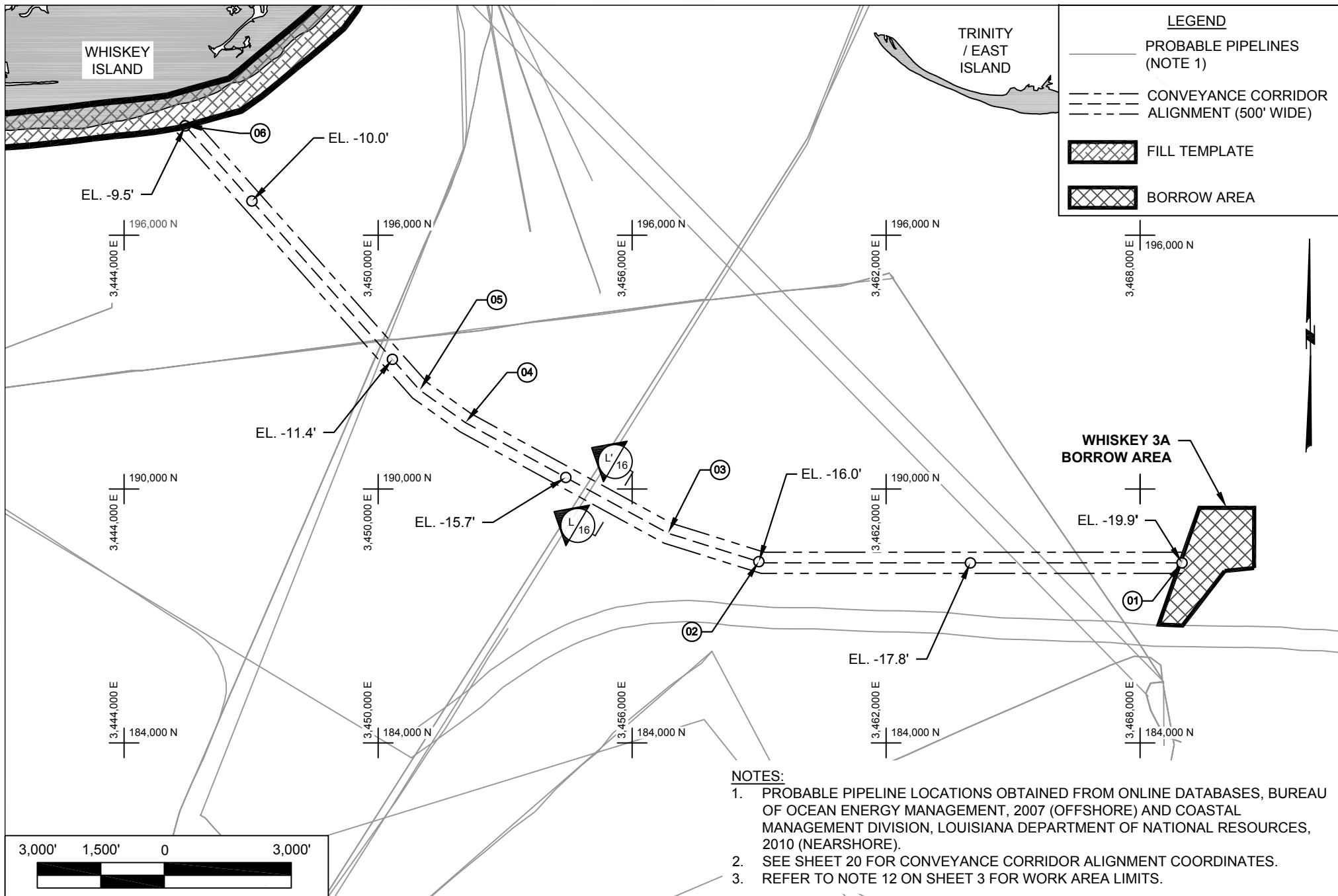
SCALE:
H: 1" = 200'
V: 1" = 10'



NOTES:

1. SURVEY PERFORMED BY OSI, 2012.
2. NO EXCAVATIONS OR FILLS ARE REQUIRED FOR THE CONVEYANCE CORRIDOR.
3. SEDIMENT PIPELINE SHALL BE LIGHTED AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
4. SECTION IS VIEWED AS LOOKING NORTHEAST.
5. MEAN HIGH WATER = +1.70' NAVD88, MEAN LOW WATER = +0.66' NAVD88.

BY	DESCRIPTION	DATE	 COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	SHIP SHOAL BLOCK 88 CONVEYANCE CORRIDOR TYPICAL SECTION
MTP	SHEET NUMBER REVISIONS	01/15 2013			STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.			FEDERAL PROJECT NUMBER: TE-100	SHEET 15 OF 20



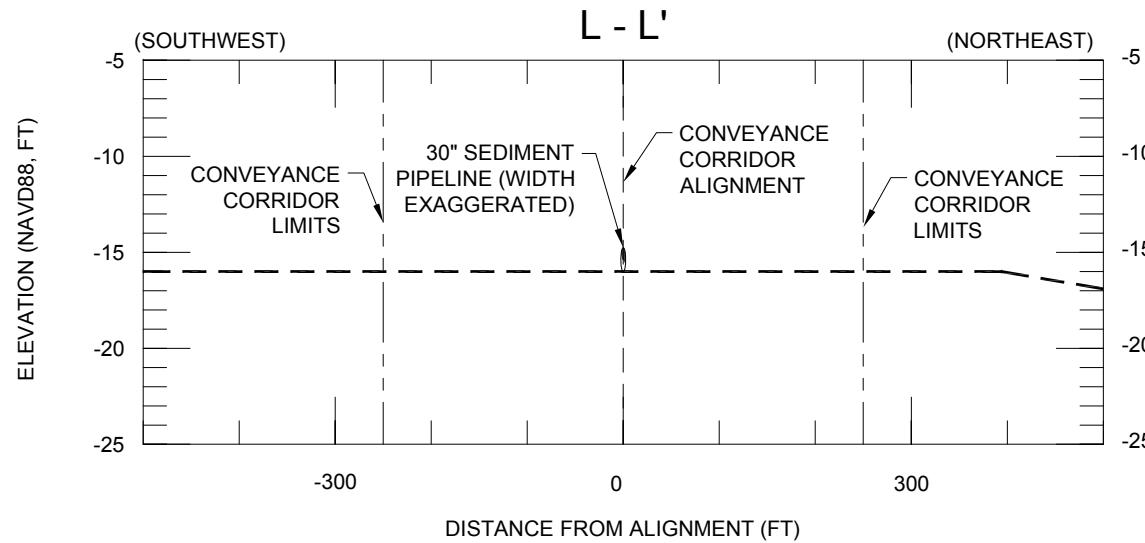
BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	WHISKEY 3A CONVEYANCE CORRIDOR PLAN VIEW
MTP	GENERAL NOTES AND SHEET NUMBER REVISIONS	01/15 2013				
					STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.			APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 16 OF 20

LEGEND:

 EXISTING GRADE (2012)

 SUBMERGED SEDIMENT PIPELINE

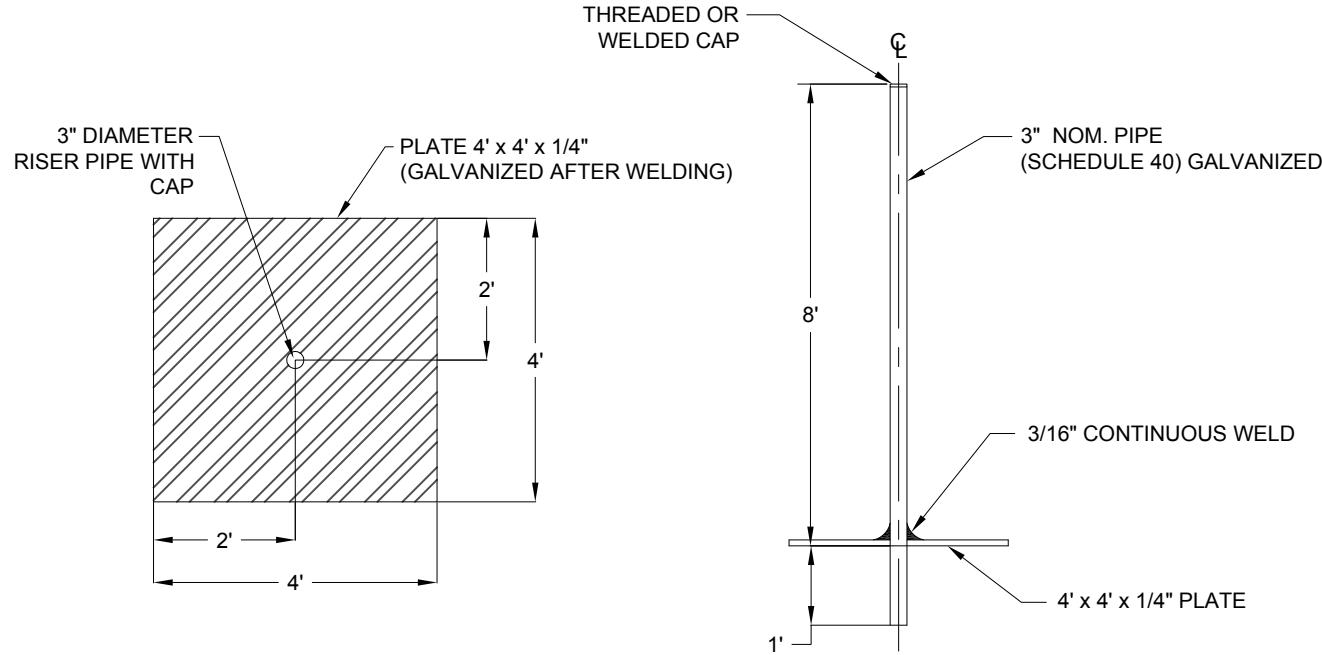
SCALE:
H: 1" = 200'
V: 1" = 10'



NOTES:

1. SURVEY PERFORMED BY OSI, 2012.
2. NO EXCAVATIONS OR FILLS ARE REQUIRED FOR THE CONVEYANCE CORRIDOR.
3. SEDIMENT PIPELINE SHALL BE LIGHTED AND MARKED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
4. SECTION IS VIEWED AS LOOKING NORTHWEST.
5. MEAN HIGH WATER = +1.70' NAVD88, MEAN LOW WATER = +0.66' NAVD88.

BY	DESCRIPTION	DATE	 COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	WHISKEY 3A CONVEYANCE CORRIDOR TYPICAL SECTION	
MTP	SHEET NUMBER REVISIONS	01/15 2013				STATE PROJECT NUMBER: TE-100	
						DATE: NOVEMBER 2012	
DRAWN BY:	DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.			APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	
DRAWN BY: DARTEZ / WORTHY		DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.		FEDERAL PROJECT NUMBER: TE-100		
					SHEET 17 OF 20		



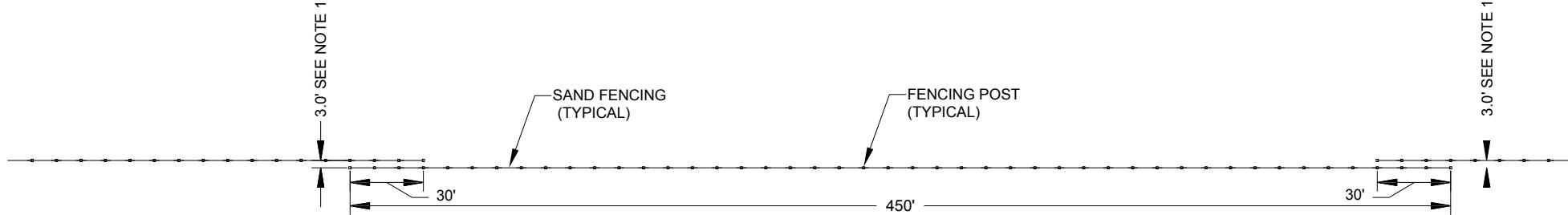
SETTLEMENT PLATE

NOT TO SCALE

NOTES:

1. SETTLEMENT PLATES SHALL BE CONSTRUCTED USING ASTM A36 STEEL AND HOT- DIPPED GALVANIZED AFTER FABRICATION.
2. ALL SETTLEMENT PLATES SHALL BE SURVEYED UNDER THE SUPERVISION OF THE RESIDENT PROJECT REPRESENTATIVE WITHIN A DAY OF INSTALLATION AND WEEKLY THROUGHOUT THE DURATION OF THE PROJECT.
3. ALL SETTLEMENT PLATES MUST BE INSTALLED AND MAINTAINED WITHIN 10.5 DEGREES OF VERTICAL.
4. ALL SETTLEMENT PLATES SHALL BE MARKED WITH SURVEY FLAGGING.
5. LENGTH OF THE SETTLEMENT PLATE RISER PIPE SHALL BE SUCH THAT THE ELEVATION OF THE TOP CAP BE NO LESS THAN 4 FEET ABOVE MAXIMUM FINAL DESIGN GRADE FOR ITS LOCATION.

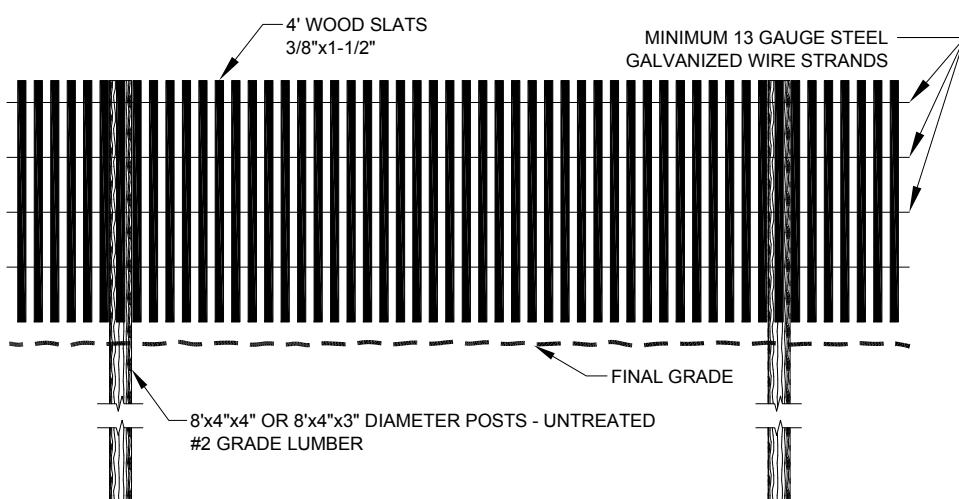
BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	SETTLEMENT PLATE DETAIL
MTP	SHEET NUMBER REVISIONS	01/15 2013				
					STATE PROJECT NUMBER: TE-100	
					DATE: NOVEMBER 2012	
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.	FEDERAL PROJECT NUMBER: TE-100	SHEET 18 OF 20		



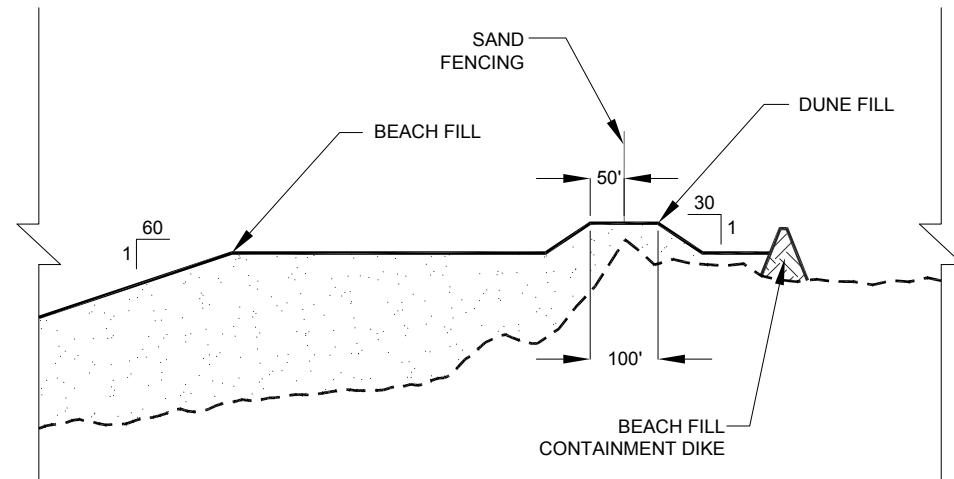
NOTES:

1. THE DISTANCE BETWEEN FENCES SHALL BE INCREASED FROM 3.0' TO 8.0' AT EVERY FIFTH GAP TO ALLOW ALL-TERRAIN VEHICLE ACCESS.

FENCING GAPPING DIMENSIONS
NOT TO SCALE



FENCING DETAIL
NOT TO SCALE



FENCING SECTION TYPICAL
NOT TO SCALE

BY	DESCRIPTION	DATE	COASTAL ENGINEERING CONSULTANTS, INC	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILOU LAKE HEADLANDS	SAND FENCING DETAIL
MTP	SHEET NUMBER REVISIONS	01/15 2013				
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.			APPROVED BY: SHANNON HAYNES, P.E.	STATE PROJECT NUMBER: TE-100	DATE: NOVEMBER 2012
					FEDERAL PROJECT NUMBER: TE-100	SHEET 19 OF 20

WHISKEY 3A BORROW AREA BOUNDARY				
POINT NO.	NORTHING	EASTING	LATITUDE	LONGITUDE
01	189555.02	3469399.83	29° 01' 11.57" N	90° 44' 36.24" W
02	189555.02	3470694.04	29° 01' 11.50" N	90° 44' 21.67" W
03	188135.02	3470691.98	29° 00' 57.44" N	90° 44' 21.77" W
04	188063.22	3469995.68	29° 00' 56.77" N	90° 44' 29.62" W
05	186774.18	3469002.65	29° 00' 44.06" N	90° 44' 40.88" W
06	186798.10	3468439.03	29° 00' 44.33" N	90° 44' 47.22" W

SHIP SHOAL 88 BORROW AREA BOUNDARY				
POINT NO.	NORTHING	EASTING	LATITUDE	LONGITUDE
01	154681.43	3412709.17	28° 55' 28.80" N	90° 55' 16.14" W
02	153933.47	3417019.92	28° 55' 21.24" N	90° 54' 27.66" W
03	147722.32	3417009.71	28° 54' 19.76" N	90° 54' 28.04" W
04	147722.32	3412709.17	28° 54' 19.91" N	90° 55' 16.42" W

WHISKEY 3A CONVEYANCE CORRIDOR					
POINT NO.	STATION	NORTHING	EASTING	LATITUDE	LONGITUDE
01	0+00.00	188255.41	3466889.77	29° 00' 58.83" N	90° 45' 04.59" W
02	99+00.00	188255.16	3459089.77	29° 00' 59.21" N	90° 46' 32.43" W
03	122+50.00	188955.23	3456846.47	29° 01' 06.25" N	90° 46' 57.66" W
04	177+00.00	191569.00	3452064.14	29° 01' 32.35" N	90° 47' 51.38" W
05	190+25.00	192336.59	3450984.12	29° 01' 40.00" N	90° 48' 03.50" W
06	273+75.00	198583.27	3445443.24	29° 02' 42.08" N	90° 49' 05.60" W

SHIP SHOAL 88 CONVEYANCE CORRIDOR					
POINT NO.	STATION	NORTHING	EASTING	LATITUDE	LONGITUDE
01	0+00.00	153863.50	3415592.06	28° 55' 20.60" N	90° 54' 43.73" W
02	94+50.00	159784.83	3422956.87	28° 56' 18.94" N	90° 53' 20.61" W
03	121+00.00	161156.89	3425224.01	28° 56' 32.44" N	90° 52' 55.03" W
04	144+50.00	162651.75	3427037.27	28° 56' 47.16" N	90° 52' 34.56" W
05	162+75.00	163984.18	3428284.37	28° 57' 00.30" N	90° 52' 20.47" W
06	183+00.00	165288.72	3429833.18	28° 57' 13.16" N	90° 52' 02.97" W
07	204+50.00	166935.78	3431215.10	28° 57' 29.40" N	90° 51' 47.34" W
08	334+00.00	178310.10	3437405.99	28° 59' 21.74" N	90° 50' 37.12" W
09	397+25.00	183800.86	3440545.62	29° 00' 15.96" N	90° 50' 01.50" W
10	423+25.00	186388.36	3440800.24	29° 00' 41.57" N	90° 49' 58.50" W
11	444+50.00	188505.60	3440618.85	29° 01' 02.53" N	90° 50' 00.44" W
12	459+50.00	189890.94	3440043.65	29° 01' 16.27" N	90° 50' 06.85" W
13	541+00.00	198024.21	3439521.68	29° 02' 36.81" N	90° 50' 12.33" W

BY	DESCRIPTION	DATE	 COASTAL ENGINEERING CONSULTANTS, INC.	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	NRDA - CAILLOU LAKE HEADLANDS	ALIGNMENT TABLES
MTP	SHEET NUMBER REVISIONS	01/15 2013				
DRAWN BY: DARTEZ / WORTHY	DESIGNED BY: MICHAEL T. POFF, P.E.	APPROVED BY: SHANNON HAYNES, P.E.			FEDERAL PROJECT NUMBER: TE-100	SHEET 20 OF 20