

JOINT PUBLIC NOTICE

June 8, 2015

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, Louisiana 70160-0267

(504) 862-1564

Stephanie.L.Castaing@usace.army.mil

Project Manager
Stephanie Castaing
Permit Application Number
MVN 2009-1353-EPP

State of Louisiana
Department of Environmental Quality
ATTN: Water Quality Certifications
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225

Project Manager
Elizabeth Hill
WQC Application Number
WQC 111207-02

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, Water Quality Certifications, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

MODIFICATION/ADDITION FOR THE MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE PROJECT IN PLAQUEMINES PARISH

NAME OF APPLICANT: Coastal Protection and Restoration Authority/LADOTD, c/o Moffatt & Nichol, 301 Main Street, Suite 800, Baton Rouge, Louisiana 70825.

LOCATION OF WORK: Located within the Mississippi River, between 57 to 60 miles above Head of Passes, crossing and south of Highway 23, near Naomi, in Plaquemines and Jefferson Parishes, as shown on the attached drawings.

Latitude: 29.6578/Longitude: -90.0097 Hydrologic Unit Code: 08090301 East Central Louisiana Coastal.

CHARACTER OF WORK: Dredge within the Mississippi River at the notated Myrtle Grove borrow area for the addition of two marsh fill areas totaling 1,147 acres and two earthen terrace areas totaling 23 acres. The overall project purpose is to obtain renewable sediment sources, provide adequate access corridor that supports equipment mobilization for long distance sediment conveyance, and restore intertidal wetlands on the Barataria landbridge. Project implementation will require an additional excavation amount of 13,176,915 cubic yards/176 acres and deposition amount of 9,031,611 cubic yards/1,142 acres.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **30 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

The New Orleans District has determined that the proposed project is located within waters known to be occupied by the endangered West Indian Manatee (*Trichechus manatus*) and Pallid Sturgeon (*Scaphirhynchus albus*) and determined with the inclusion of the Standard Manatee Conditions for In-Water Activities and cutterhead/suction dredge recommendations the proposed activity is not likely to adversely affect the species based on the Standard Local Operating Procedure for Endangered Species of Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service, Ecological Services Office.

Our initial finding is that the proposed work would not affect any species, nor affect any habitat designated as critical to the survival and recovery of such species, listed as endangered by the U.S. Department of Commerce.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of **1,318** acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

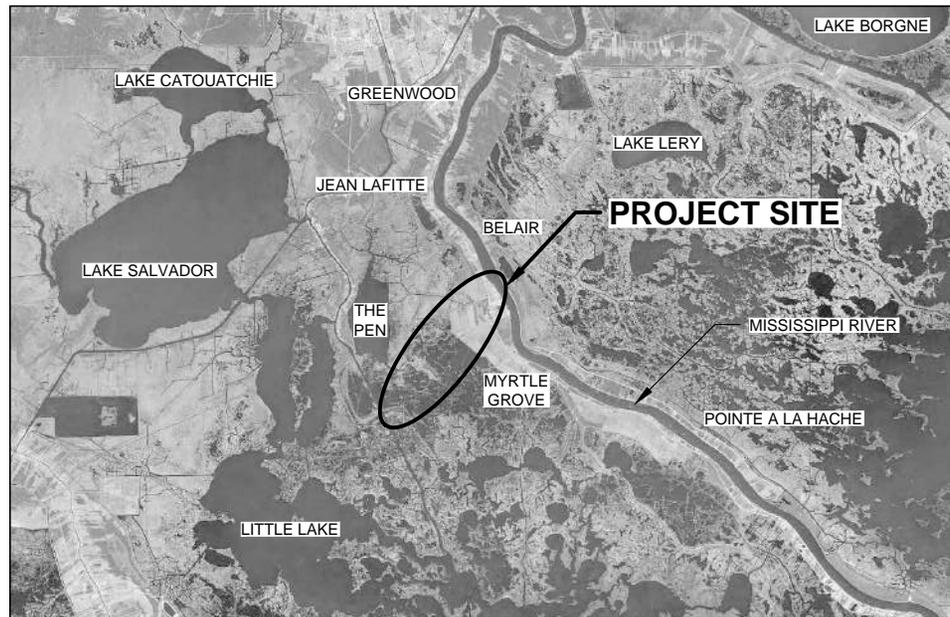
You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael V. Farabee
Chief, Eastern Evaluation Section

Enclosure

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY

**MISSISSIPPI RIVER
LONG DISTANCE SEDIMENT PIPELINE
STATE PROJECT No. BA-43 EB
JEFFERSON & PLAQUEMINES PARISHES, LOUISIANA
PERMIT MODIFICATIONS**



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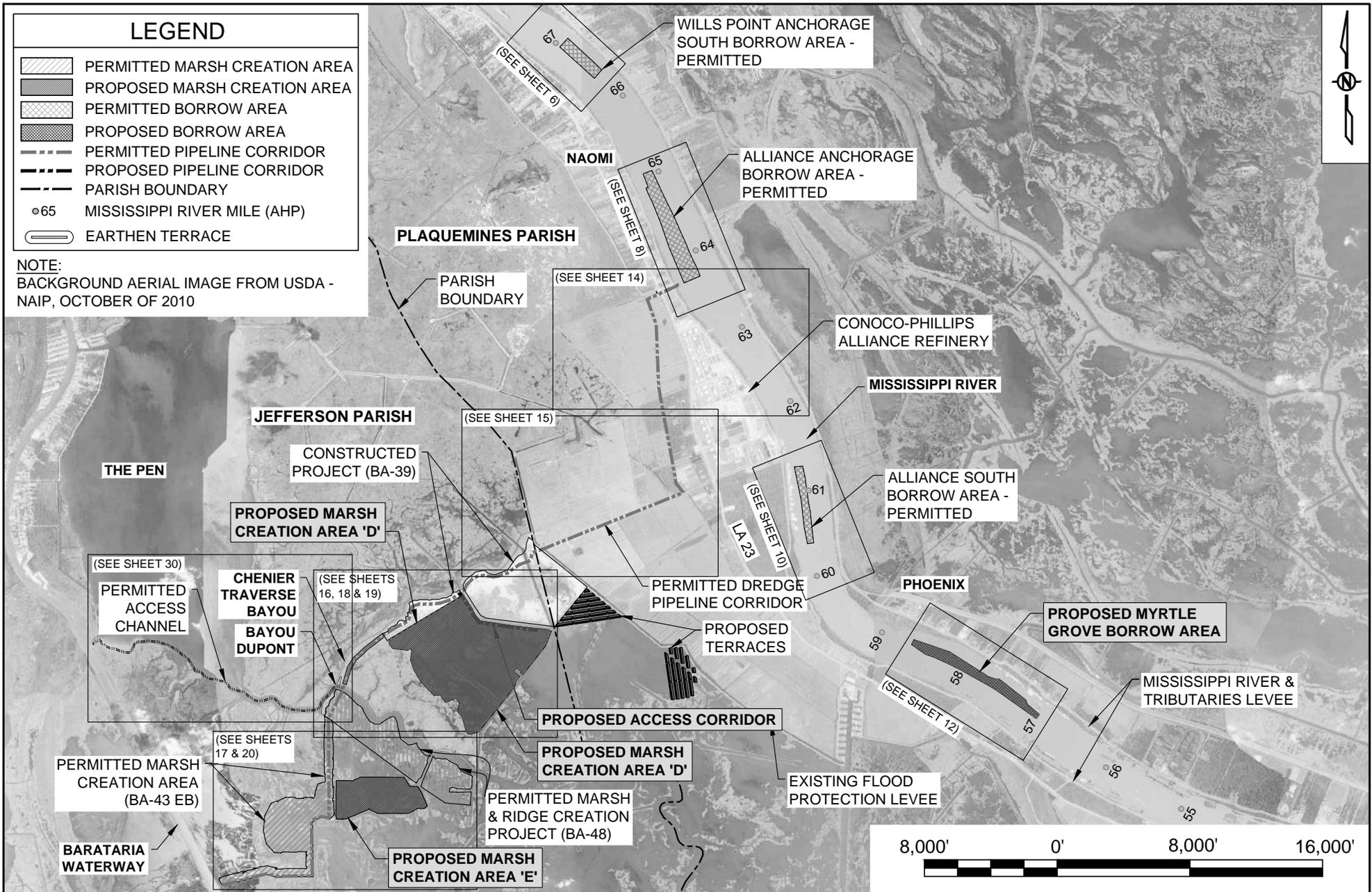
THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND NOT TO BE USED FOR CONSTRUCTION

BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TITLE SHEET
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 1 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		

LEGEND

-  PERMITTED MARSH CREATION AREA
-  PROPOSED MARSH CREATION AREA
-  PERMITTED BORROW AREA
-  PROPOSED BORROW AREA
-  PERMITTED PIPELINE CORRIDOR
-  PROPOSED PIPELINE CORRIDOR
-  PARISH BOUNDARY
-  MISSISSIPPI RIVER MILE (AHP)
-  EARTHEN TERRACE

NOTE:
BACKGROUND AERIAL IMAGE FROM USDA -
NAIP, OCTOBER OF 2010



BY	DESCRIPTION	DATE	 <p style="font-size: small;">ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<h2 style="margin: 0;">COASTAL PROTECTION & RESTORATION AUTHORITY</h2> <p style="font-size: x-small; margin: 0;">450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PROJECT LAYOUT	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 2 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.			

GENERAL NOTES:

1. BACKGROUND AERIAL IMAGES FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
2. COORDINATES ARE NAD83, LOUISIANA STATE PLANE, SOUTHERN ZONE, U.S. SURVEY FEET.
3. ALL ELEVATIONS ARE IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), U.S. SURVEY FEET.
4. ALL RIVER DATUMS SHOWN BASED ON HISTORIC DATA FOR MISSISSIPPI RIVER AT ALLIANCE (01390) RIVER MILE 62.5. RECORDS AVAILABLE FROM APRIL 2, 1977 TO DATE.
5. THE CONTRACTOR SHALL NOT EXCAVATE WITHIN 500' OF ANY PIPELINE IN THE MISSISSIPPI RIVER OR WITHIN 50' OF ANY OTHER PIPELINE EXCEPT FOR NAOMI SIPHON PIPES.
6. NO EXCAVATION SHALL BE PERMITTED WITHIN 25 FEET OF THE NAOMI SIPHON PIPES. THE EDGE OF THE DREDGE SLURRY PIPELINE SHALL BE PLACED A MINIMUM OF 25 FEET FROM THE EDGE OF THE NAOMI SIPHON PIPES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS AT THE TIME OF CONSTRUCTION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE FIELD LOCATED AND MARKED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS 72 HOURS PRIOR TO ANY EXCAVATION.
9. NO CONSTRUCTION EQUIPMENT OR ACTIVITIES MAY OPERATE, TRANSIT, STAGE, OR STORE OUTSIDE OF THE CONSTRUCTION LIMITS.
10. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.
11. ESTIMATED RANGE OF FULLY-LOADED DRAFTS FOR VESSELS TO BE USED DURING CONSTRUCTION:
 - a. 4,000 HP TUGS 15-20 FT
 - b. 2,000 HP TUGS 10-14 FT
 - c. WORK BOATS, TENDERS 6-8 FT
 - d. CREW BOATS 2-4 FT
 - e. BOOSTER PUMP BARGES, WORK BARGES, FUEL BARGES 4-6 FT
 - f. SMALL BARGE-MOUNTED CLAMSHELL OR EXCAVATOR 4-6 FT
 - g. LARGE HYDRAULIC DREDGE 10 FT

DREDGING NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO ANCHOR WITHIN THE DREDGE ANCHOR LIMITS SHOWN IN SHEETS 6, 8, 10 AND 12.
2. DREDGE ANCHOR LIMITS SHALL BE MARKED WITH BUOYS AS SHOWN IN SHEETS 6, 8, 10 AND 12.
3. DREDGING BEYOND THE BORROW AREA LIMITS SHOWN WILL BE NOT ALLOWED.
4. DREDGING WILL BE ALLOWED TO A MAXIMUM DEPTH OF -90 FT NAVD88.
5. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DAILY COMMUNICATION PLAN TO THE OWNER, THE USACE OPERATIONS DIVISION, AND MNSA DELINEATING THE LOCATION OF THE DREDGE, ATTENDANT PLANT, ANCHOR BUOYS, AND FLOATING PIPELINE AS PER THE OWNER SPECIFICATIONS.

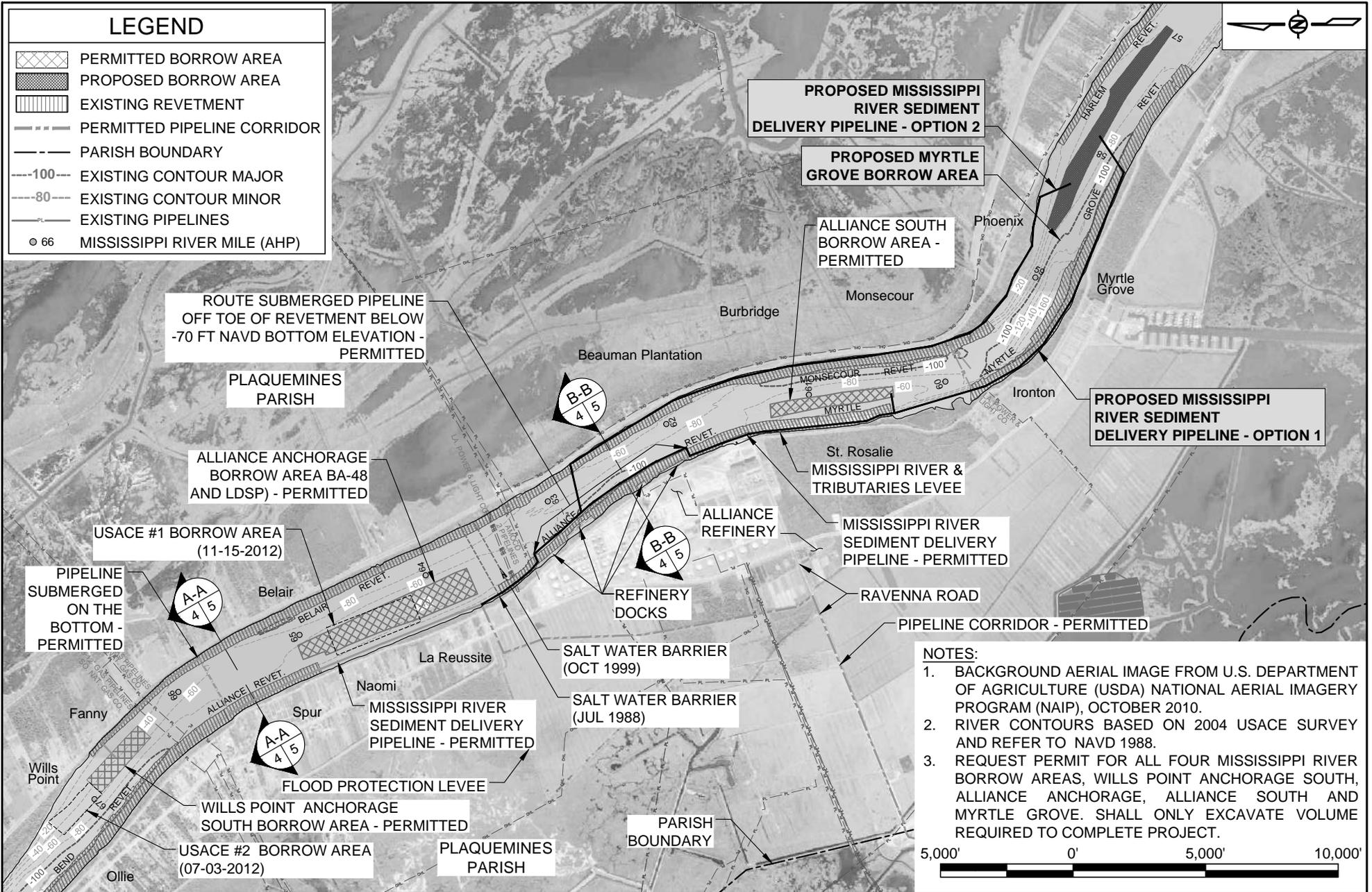
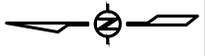
MODIFICATIONS NOTES:

1. ALL NEW AREAS OR FEATURES ARE SHOWN IN DARK FONT. THE ADDED TEXT IS SHOWN IN DARK FONT WITH A HEAVY BORDER AND GRAY FILL.
2. TEXT FROM ORIGINAL PERMIT APPLICATION HAS REMAINED WITH "PERMITTED" INSERTED WHERE APPROPRIATE.
3. APPLICANT IS NOT REQUESTING ANY CHANGES TO THE LIMITS OF BORROW FOR WILLS POINT, ALLIANCE ANCHORAGE OR ALLIANCE SOUTH FROM WHAT WAS ORIGINALLY APPROVED BY THE USACE AND THE STATE OF LOUISIANA PER PERMIT NO. MVN-2009-1353-EFF.
4. UNLESS OTHERWISE SPECIFIED, ITEMS MARKED "PERMITTED" REFER TO PERMIT NO. MVN-2009-1353-EFF.
5. PLEASE NOTE THAT THE FOLLOWING SHEETS INCLUDE PROPOSED MODIFICATIONS: 2-4, 12,13, 18-20, 23, 28-32 AND 53.
6. MYRTLE GROVE BORROW AREA DREDGE LIMITS ARE DELINEATED BASED ON USACE LIMITS OF PERMISSABLE EXCAVATION IN RIVER (SEE SHT. 13).

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	GENERAL AND DREDGING NOTES
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 3 OF 53
DRAWN BY: YC					DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.

LEGEND

-  PERMITTED BORROW AREA
-  PROPOSED BORROW AREA
-  EXISTING REVETMENT
-  PERMITTED PIPELINE CORRIDOR
-  PARISH BOUNDARY
-  EXISTING CONTOUR MAJOR
-  EXISTING CONTOUR MINOR
-  EXISTING PIPELINES
-  MISSISSIPPI RIVER MILE (AHP)



- NOTES:**
1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. RIVER CONTOURS BASED ON 2004 USACE SURVEY AND REFER TO NAVD 1988.
 3. REQUEST PERMIT FOR ALL FOUR MISSISSIPPI RIVER BORROW AREAS, WILLS POINT ANCHORAGE SOUTH, ALLIANCE ANCHORAGE, ALLIANCE SOUTH AND MYRTLE GROVE. SHALL ONLY EXCAVATE VOLUME REQUIRED TO COMPLETE PROJECT.

BY	DESCRIPTION	DATE



ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70825
 225-927-7793

**COASTAL PROTECTION & RESTORATION
 AUTHORITY**

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER
 LONG DISTANCE SEDIMENT PIPELINE

STATE PROJECT NUMBER: BA-43 (EB)

FEDERAL PROJECT NUMBER: N/A

BORROW AREAS

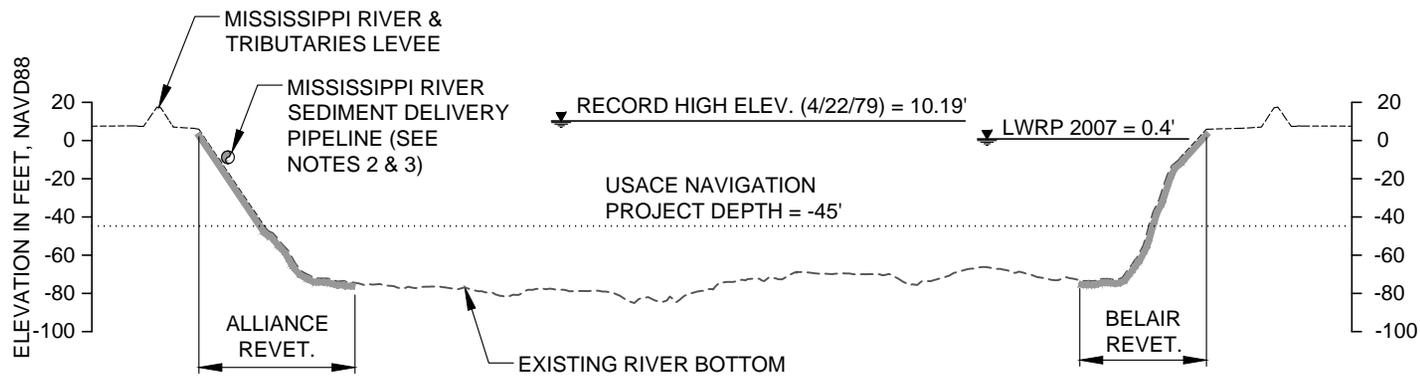
DATE: MARCH, 2015

SHEET 4 OF 53

DRAWN BY: YC

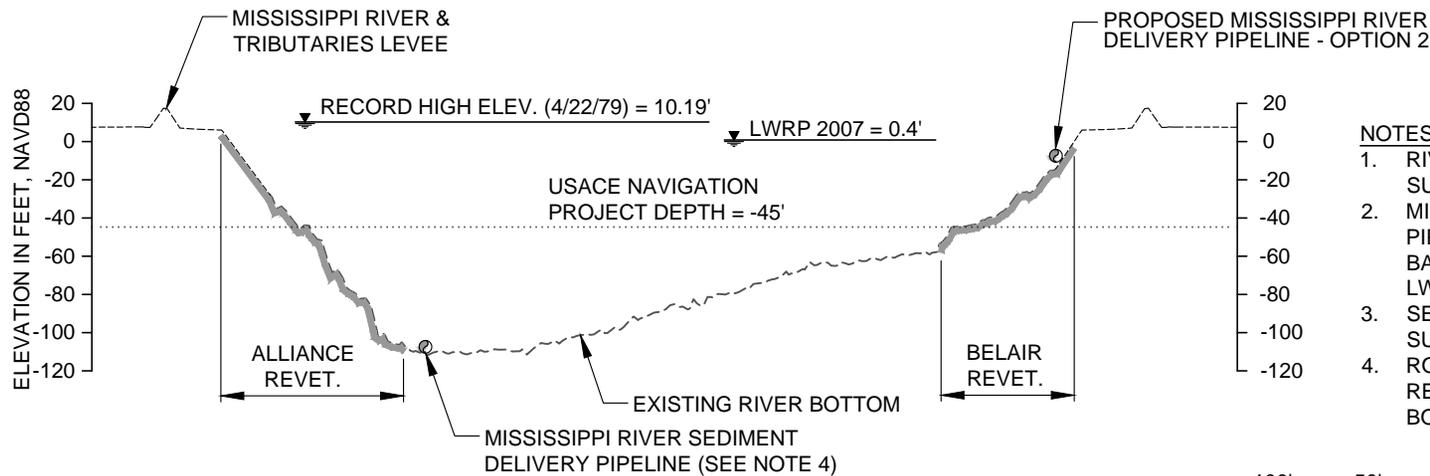
DESIGNED BY: CW

APPROVED BY: RUSS JOFFRION, P.E.



(A-A)
4
TYPICAL MISSISSIPPI RIVER PIPELINE SECTION
RIVER MILE 65.6

LEGEND	
---	AUGUST 2011 SURVEY
—	EXISTING REVETMENT
⊙	SEDIMENT DELIVERY PIPELINE



(B-B)
4
TYPICAL MISSISSIPPI RIVER PIPELINE SECTION
RIVER MILE 62.5

NOTES:

1. RIVER BOTTOM PROFILES BASED ON OSI SURVEY DATED AUGUST 17, 2011.
2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
4. ROUTE SUBMERGED PIPELINE OFF TOE OF REVETMENT BELOW -70 FEET NAVD BOTTOM ELEVATION.



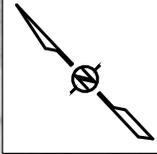
BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TYPICAL MISSISSIPPI RIVER PIPELINE SECTIONS - PERMITTED
						STATE PROJECT NUMBER: BA-43 (EB)
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 5 OF 53

LEGEND

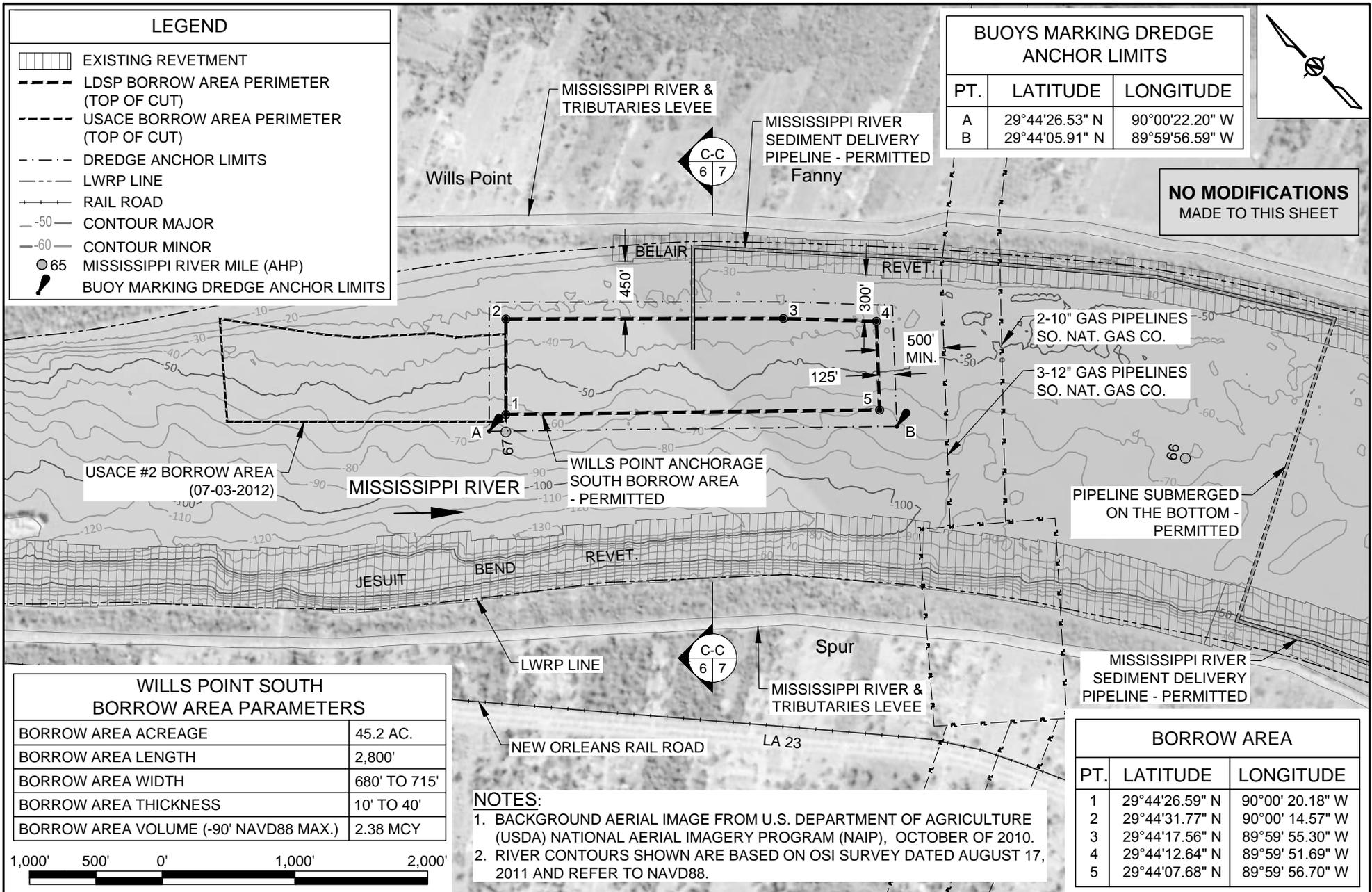
-  EXISTING REVETMENT
-  LDSP BORROW AREA PERIMETER (TOP OF CUT)
-  USACE BORROW AREA PERIMETER (TOP OF CUT)
-  DREDGE ANCHOR LIMITS
-  LWRP LINE
-  RAIL ROAD
-  -50- CONTOUR MAJOR
-  -60- CONTOUR MINOR
-  ● 65 MISSISSIPPI RIVER MILE (AHP)
-   BUOY MARKING DREDGE ANCHOR LIMITS

BUOYS MARKING DREDGE ANCHOR LIMITS

PT.	LATITUDE	LONGITUDE
A	29°44'26.53" N	90°00'22.20" W
B	29°44'05.91" N	89°59'56.59" W



**NO MODIFICATIONS
MADE TO THIS SHEET**



USACE #2 BORROW AREA
(07-03-2012)

MISSISSIPPI RIVER
WILLS POINT ANCHORAGE
SOUTH BORROW AREA
- PERMITTED

2-10" GAS PIPELINES
SO. NAT. GAS CO.

3-12" GAS PIPELINES
SO. NAT. GAS CO.

PIPELINE SUBMERGED
ON THE BOTTOM -
PERMITTED

MISSISSIPPI RIVER
SEDIMENT DELIVERY
PIPELINE - PERMITTED

**WILLS POINT SOUTH
BORROW AREA PARAMETERS**

BORROW AREA ACREAGE	45.2 AC.
BORROW AREA LENGTH	2,800'
BORROW AREA WIDTH	680' TO 715'
BORROW AREA THICKNESS	10' TO 40'
BORROW AREA VOLUME (-90' NAVD88 MAX.)	2.38 MCY



NOTES:

1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER OF 2010.
2. RIVER CONTOURS SHOWN ARE BASED ON OSI SURVEY DATED AUGUST 17, 2011 AND REFER TO NAVD88.

BORROW AREA

PT.	LATITUDE	LONGITUDE
1	29°44'26.59" N	90°00' 20.18" W
2	29°44'31.77" N	90°00' 14.57" W
3	29°44'17.56" N	89°59' 55.30" W
4	29°44'12.64" N	89°59' 51.69" W
5	29°44'07.68" N	89°59' 56.70" W

BY	DESCRIPTION	DATE



ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-927-7793

**COASTAL PROTECTION & RESTORATION
AUTHORITY**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER
LONG DISTANCE SEDIMENT PIPELINE

STATE PROJECT NUMBER: BA-43 (EB)

FEDERAL PROJECT NUMBER: N/A

WILLS POINT BORROW
AREA LAYOUT -
PERMITTED

DATE: MARCH, 2015

SHEET 6 OF 53

DRAWN BY: YC

DESIGNED BY: CW

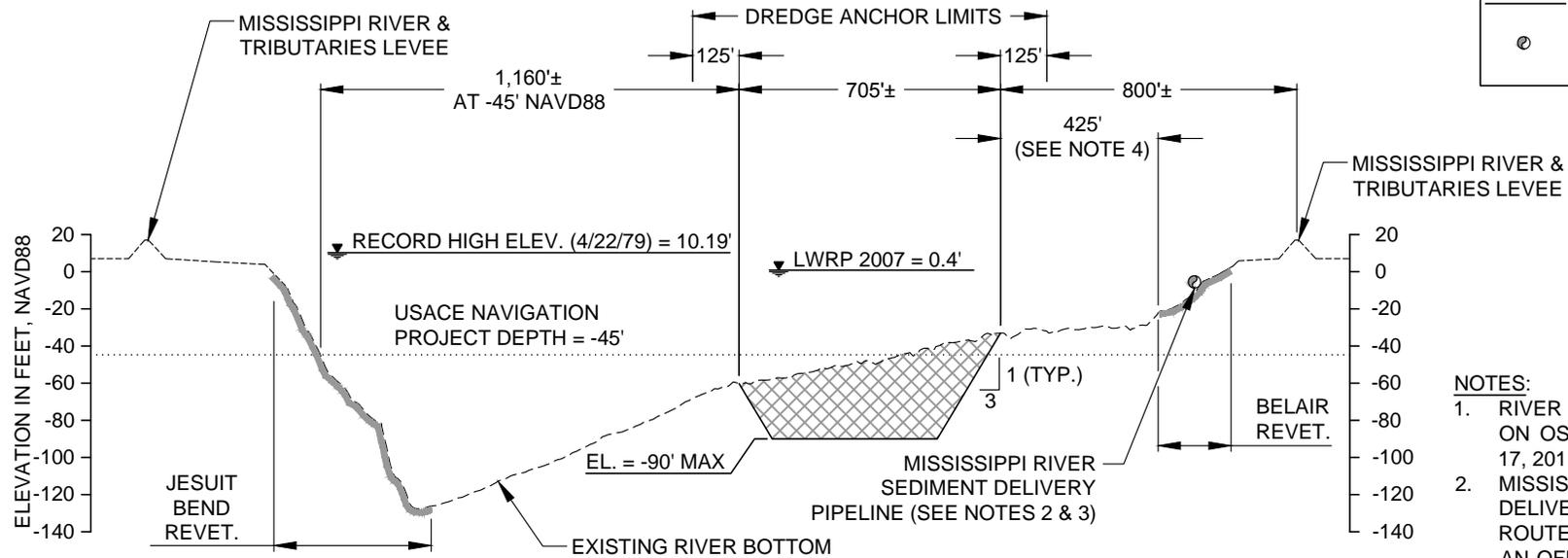
APPROVED BY: RUSS JOFFRION, P.E.

FEDERAL PROJECT NUMBER: N/A

SHEET 6 OF 53

LEGEND

-  BORROW AREA
-  AUGUST 2011 SURVEY
-  APPROX. EXISTING GRADE
-  EXISTING REVETMENT
-  DESIGN
-  SEDIMENT DELIVERY PIPELINE



- NOTES:**
1. RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
 2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
 3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
 4. MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE OF BELAIR REVETMENT VARIES FROM 300 TO 450 FEET.

C-C **WILLS POINT ANCHORAGE SOUTH**
6 RIVER MILE 66.7



VERTICAL SCALE



HORIZONTAL SCALE

**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 <p style="font-size: small;">ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p style="font-size: small;">450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	WILLS POINT SOUTH BORROW AREA TYPICAL SECTION - PERMITTED		
							STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
							FEDERAL PROJECT NUMBER: N/A	
								SHEET 7 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.				

LEGEND

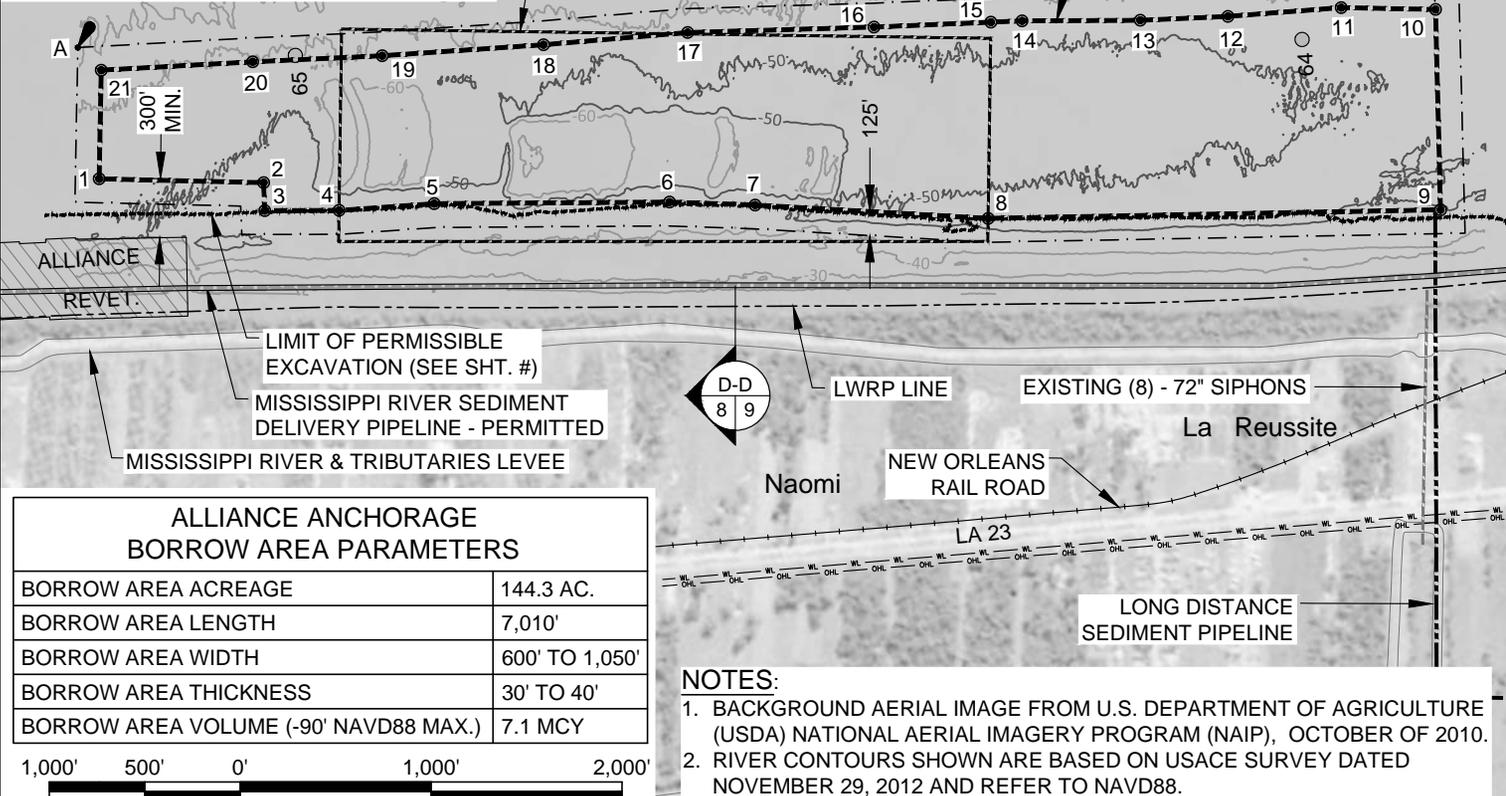
- EXISTING REVETMENT
- LDSP BORROW AREA PERIMETER (TOP OF CUT)
- USACE BORROW AREA PERIMETER (TOP OF CUT)
- DREDGE ANCHOR LIMITS
- LWRP LINE
- RAIL ROAD
- 50 CONTOUR MAJOR
- 60 CONTOUR MINOR
- 65 MISSISSIPPI RIVER MILE (AHP)
- BUOY MARKING DREDGE ANCHOR LIMITS

BUOYS MARKING DREDGE ANCHOR LIMITS

PT.	LATITUDE	LONGITUDE
A	29°43'13.97" N	89°59'17.37" W
B	29°43'08.38" N	89°58'44.24" W

SALT WATER BARRIER C.L. (OCT 1999)

SALT WATER BARRIER C.L. (JUL 1988)



NO MODIFICATIONS MADE TO THIS SHEET

BORROW AREA (TOP OF CUT)

PT.	LATITUDE	LONGITUDE
1	29° 43' 10.47" N	89° 59' 24.17" W
2	29° 43' 02.46" N	89° 59' 20.84" W
3	29° 43' 01.88" N	89° 59' 22.36" W
4	29° 42' 58.29" N	89° 59' 20.75" W
5	29° 42' 53.82" N	89° 59' 18.33" W
6	29° 42' 42.47" N	89° 59' 13.18" W
7	29° 42' 38.29" N	89° 59' 11.50" W
8	29° 42' 26.77" N	89° 59' 07.22" W
9	29° 42' 05.06" N	89° 58' 57.01" W
10	29° 42' 09.07" N	89° 58' 46.04" W
11	29° 42' 13.66" N	89° 58' 47.96" W
12	29° 42' 18.97" N	89° 58' 50.89" W
13	29° 42' 23.14" N	89° 58' 52.99" W
14	29° 42' 28.84" N	89° 58' 55.57" W
15	29° 42' 30.32" N	89° 58' 56.31" W
16	29° 42' 35.88" N	89° 58' 59.10" W
17	29° 42' 44.79" N	89° 59' 03.41" W
18	29° 42' 51.52" N	89° 59' 07.19" W
19	29° 42' 59.11" N	89° 59' 11.27" W
20	29° 43' 05.25" N	89° 59' 14.39" W
21	29° 43' 12.41" N	89° 59' 18.11" W

ALLIANCE ANCHORAGE BORROW AREA PARAMETERS

BORROW AREA ACREAGE	144.3 AC.
BORROW AREA LENGTH	7,010'
BORROW AREA WIDTH	600' TO 1,050'
BORROW AREA THICKNESS	30' TO 40'
BORROW AREA VOLUME (-90' NAVD88 MAX.)	7.1 MCY

NOTES:

- BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER OF 2010.
- RIVER CONTOURS SHOWN ARE BASED ON USACE SURVEY DATED NOVEMBER 29, 2012 AND REFER TO NAVD88.



BY	DESCRIPTION	DATE

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-927-7793

COASTAL PROTECTION & RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE

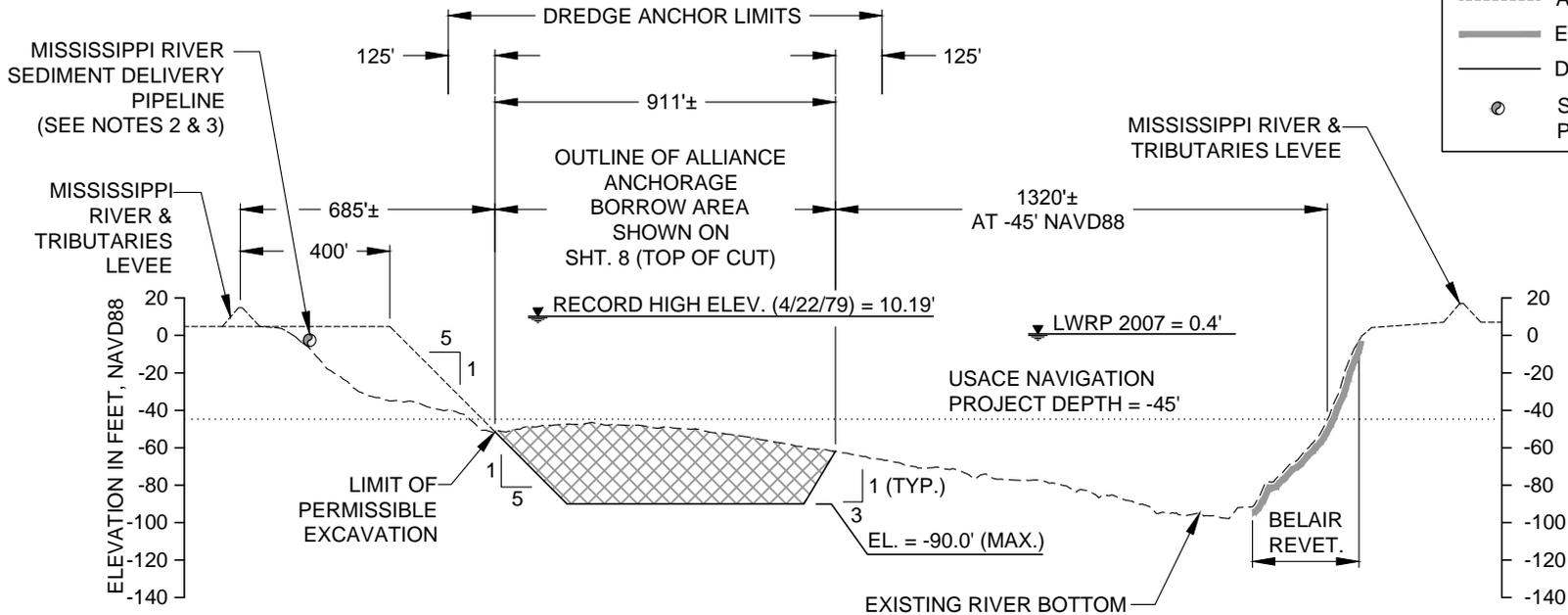
STATE PROJECT NUMBER: BA-43 (EB)
FEDERAL PROJECT NUMBER: N/A

ALLIANCE ANCHORAGE BORROW AREA LAYOUT - PERMITTED

DATE: MARCH, 2015
SHEET 8 OF 53

LEGEND

-  LDSP BORROW AREA
-  AUGUST 2011 SURVEY
-  APPROX. EXISTING GRADE
-  EXISTING REVETMENT
-  DESIGN
-  SEDIMENT DELIVERY PIPELINE



**NO MODIFICATIONS
MADE TO THIS SHEET**

D-D
8 **ALLIANCE ANCHORAGE BORROW AREA**
RIVER MILE 64.3



VERTICAL SCALE



HORIZONTAL SCALE

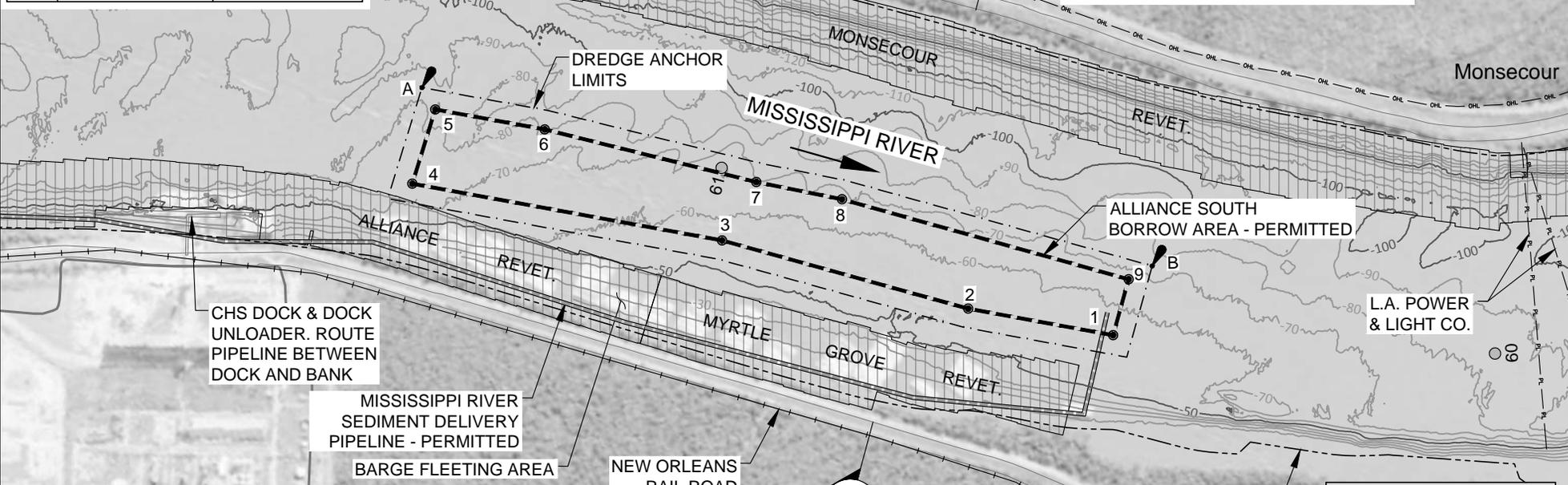
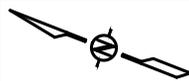
NOTES:

1. RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
4. MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE OF ALLIANCE REVETMENT IS 300 FEET.

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	ALLIANCE ANCHORAGE BORROW AREA TYPICAL SECTION - PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 9 OF 53

BORROW AREA		
PT.	LATITUDE	LONGITUDE
1	29° 39' 28.84" N	89° 57' 34.83" W
2	29° 39' 38.21" N	89° 57' 36.89" W
3	29° 39' 54.65" N	89° 57' 38.79" W
4	29° 40' 14.66" N	89° 57' 43.18" W
5	29° 40' 15.02" N	89° 57' 37.45" W
6	29° 40' 07.95" N	89° 57' 35.89" W
7	29° 39' 53.95" N	89° 57' 33.84" W
8	29° 39' 48.38" N	89° 57' 32.73" W
9	29° 39' 29.21" N	89° 57' 30.56" W

LEGEND	
	EXISTING REVETMENT
	LDSP BORROW AREA
	PERIMETER (TOP OF CUT)
	DREDGE ANCHOR LIMITS
	LWRP LINE
	RAIL ROAD
	-100- CONTOUR MAJOR
	-90- CONTOUR MINOR
	60 MISSISSIPPI RIVER MILE (AHP)



ALLIANCE SOUTH BORROW AREA PARAMETERS	
BORROW AREA ACREAGE	49.4 AC.
BORROW AREA LENGTH	4,675'
BORROW AREA WIDTH	380' TO 510'
BORROW AREA THICKNESS	10' TO 45'
BORROW AREA VOLUME (-90' NAVD88 MAX.)	1.7 MCY



NOTES:

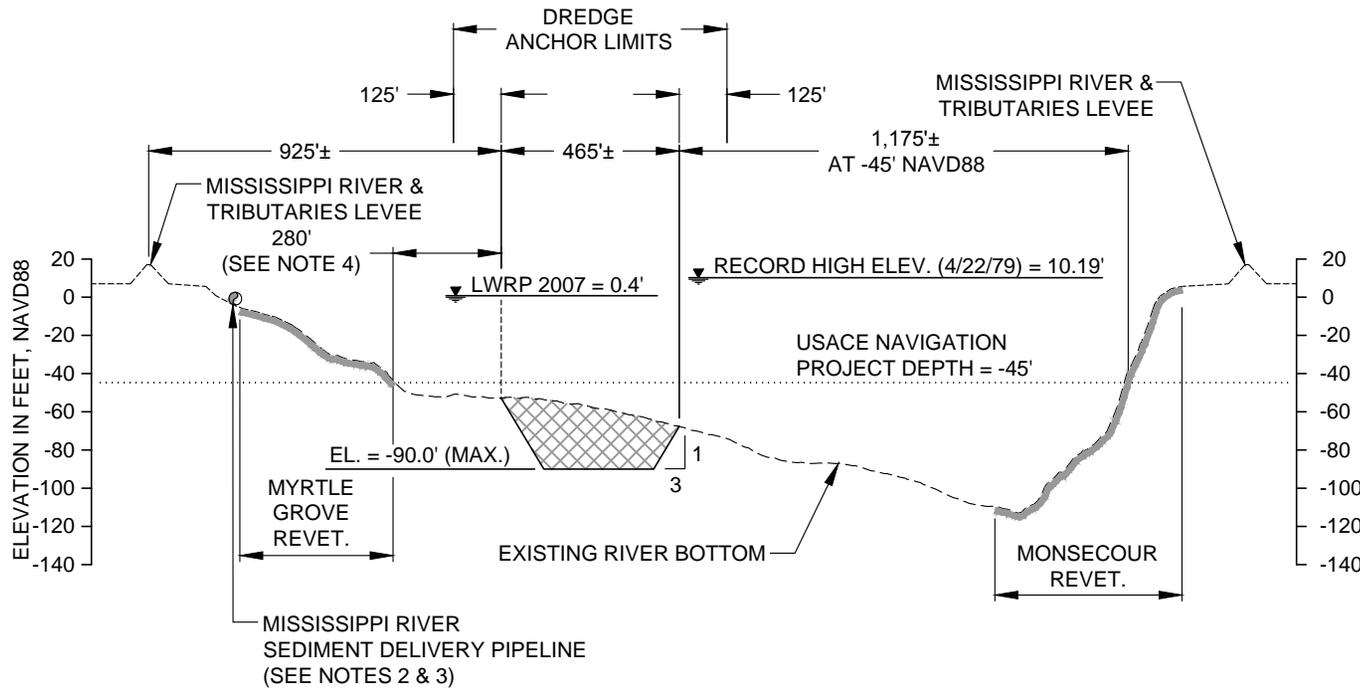
- BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER OF 2010.
- RIVER CONTOURS SHOWN ARE BASED ON OSI SURVEY DATED AUGUST 17, 2011 AND REFER TO NAVD88.

BUOYS MARKING DREDGE ANCHOR LIMITS		
PT.	LATITUDE	LONGITUDE
A	29°40'16.33" N	89°57'36.29" W
B	29°39'28.10" N	89°57'29.01" W

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	ALLIANCE SOUTH BORROW AREA LAYOUT - PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 10 OF 53

LEGEND

-  BORROW AREA
-  AUGUST 2011 SURVEY
-  APPROX. EXISTING GRADE
-  EXISTING REVETMENT
-  DESIGN
-  SEDIMENT DELIVERY PIPELINE



NOTES:

1. RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
4. MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE OF MYRTLE GROVE REVETMENT VARIES FROM 110 TO 340 FEET.

(E-E) 10 ALLIANCE SOUTH BORROW AREA
RIVER MILE 60.7

**NO MODIFICATIONS
MADE TO THIS SHEET**



VERTICAL SCALE



HORIZONTAL SCALE

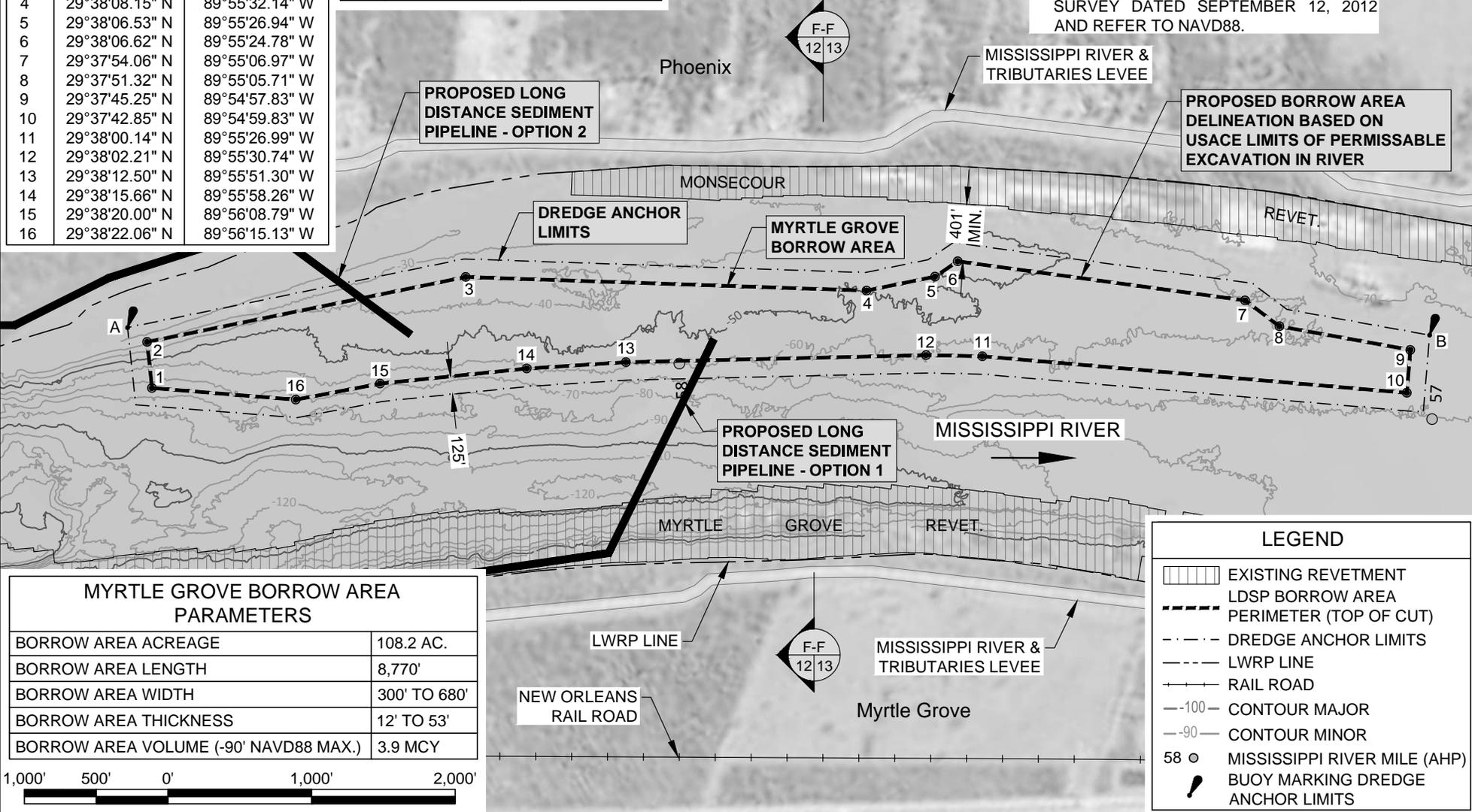
BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p>MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE</p>	<p>ALLIANCE SOUTH BORROW AREA TYPICAL SECTION - PERMITTED</p>
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 11 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		

BORROW AREA		
PT.	LATITUDE	LONGITUDE
1	29°38'27.87" N	89°56'24.37" W
2	29°38'30.77" N	89°56'22.82" W
3	29°38'23.24" N	89°55'58.65" W
4	29°38'08.15" N	89°55'32.14" W
5	29°38'06.53" N	89°55'26.94" W
6	29°38'06.62" N	89°55'24.78" W
7	29°37'54.06" N	89°55'06.97" W
8	29°37'51.32" N	89°55'05.71" W
9	29°37'45.25" N	89°54'57.83" W
10	29°37'42.85" N	89°54'59.83" W
11	29°38'00.14" N	89°55'26.99" W
12	29°38'02.21" N	89°55'30.74" W
13	29°38'12.50" N	89°55'51.30" W
14	29°38'15.66" N	89°55'58.26" W
15	29°38'20.00" N	89°56'08.79" W
16	29°38'22.06" N	89°56'15.13" W

BUOYS MARKING DREDGE ANCHOR LIMITS		
PT.	LATITUDE	LONGITUDE
A	29°38'32.31" N	89°56'23.56" W
B	29°37'45.44" N	89°54'55.92" W

NOTES:

1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER OF 2010.
2. RIVER CONTOURS SHOWN ARE BASED ON UNIVERSITY OF TEXAS MULTI-BEAM SURVEY DATED SEPTEMBER 12, 2012 AND REFER TO NAVD88.



MYRTLE GROVE BORROW AREA PARAMETERS	
BORROW AREA ACREAGE	108.2 AC.
BORROW AREA LENGTH	8,770'
BORROW AREA WIDTH	300' TO 680'
BORROW AREA THICKNESS	12' TO 53'
BORROW AREA VOLUME (-90' NAVD88 MAX.)	3.9 MCY

LEGEND	
	EXISTING REVETMENT
	LDSP BORROW AREA PERIMETER (TOP OF CUT)
	DREDGE ANCHOR LIMITS
	LWRP LINE
	RAIL ROAD
	-100- CONTOUR MAJOR
	-90- CONTOUR MINOR
	MISSISSIPPI RIVER MILE (AHP)
	BUOY MARKING DREDGE ANCHOR LIMITS

BY	DESCRIPTION	DATE

MOFFATT & NICHOL

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-927-7793

COASTAL PROTECTION & RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER
LONG DISTANCE SEDIMENT PIPELINE

STATE PROJECT NUMBER: BA-43 (EB)

FEDERAL PROJECT NUMBER: N/A

MYRTLE GROVE
BORROW AREA LAYOUT

DATE: MARCH, 2015

SHEET 12 OF 53

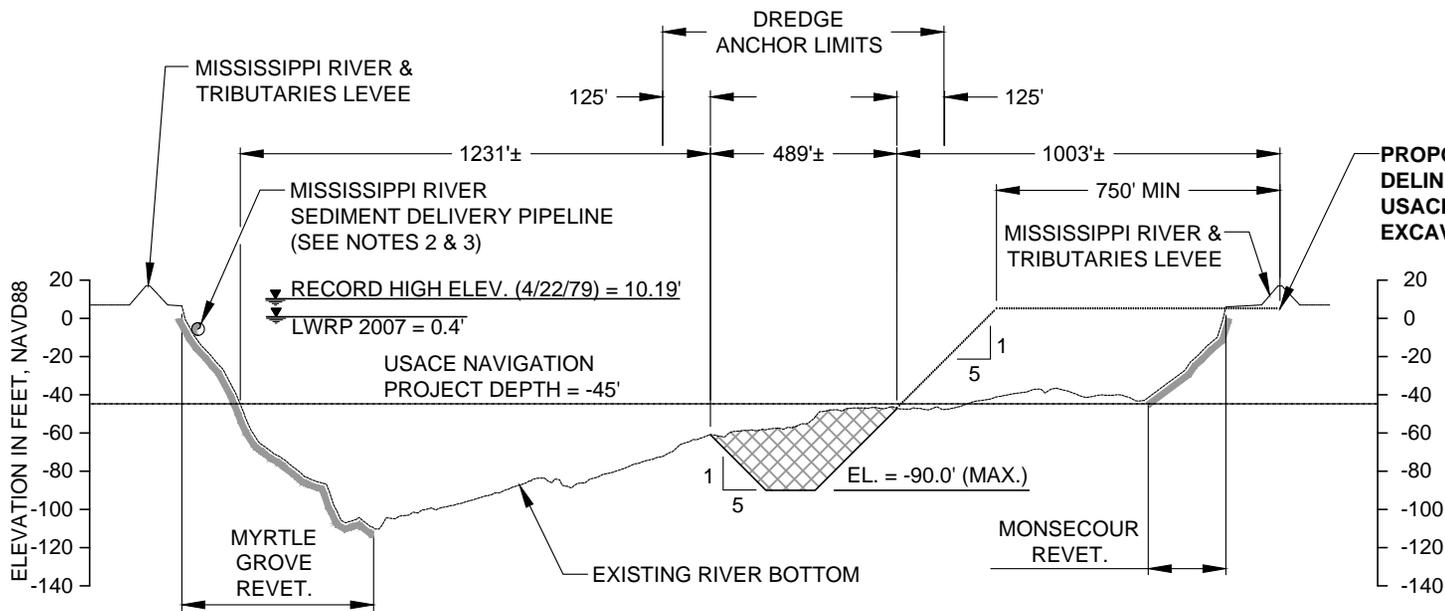
DRAWN BY: YC

DESIGNED BY: CW

APPROVED BY: RUSS JOFFRION, P.E.

FEDERAL PROJECT NUMBER: N/A

SHEET 12 OF 53

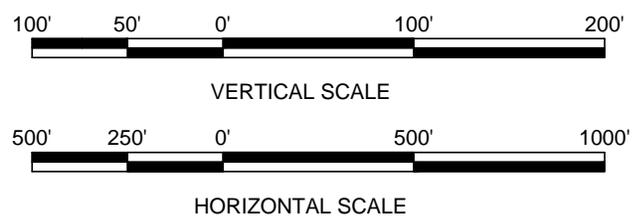


LEGEND	
	BORROW AREA
	AUGUST 2011 SURVEY
	APPROX. EXISTING GRADE
	EXISTING REVETMENT
	DESIGN
	SEDIMENT DELIVERY PIPELINE

**PROPOSED BORROW AREA
DELINEATION BASED ON
USACE LIMITS OF PERMISSABLE
EXCAVATION IN RIVER**

**F-F 12 MYRTLE GROVE BORROW AREA
RIVER MILE 57.7**

- NOTES:**
1. RIVER BOTTOM PROFILE BASED ON TU SURVEY DATED SEPTEMBER 12, 2012.
 2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
 3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
 4. MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE OF MONSECOUR REVETMENT VARIES FROM 400 TO 650 FEET.



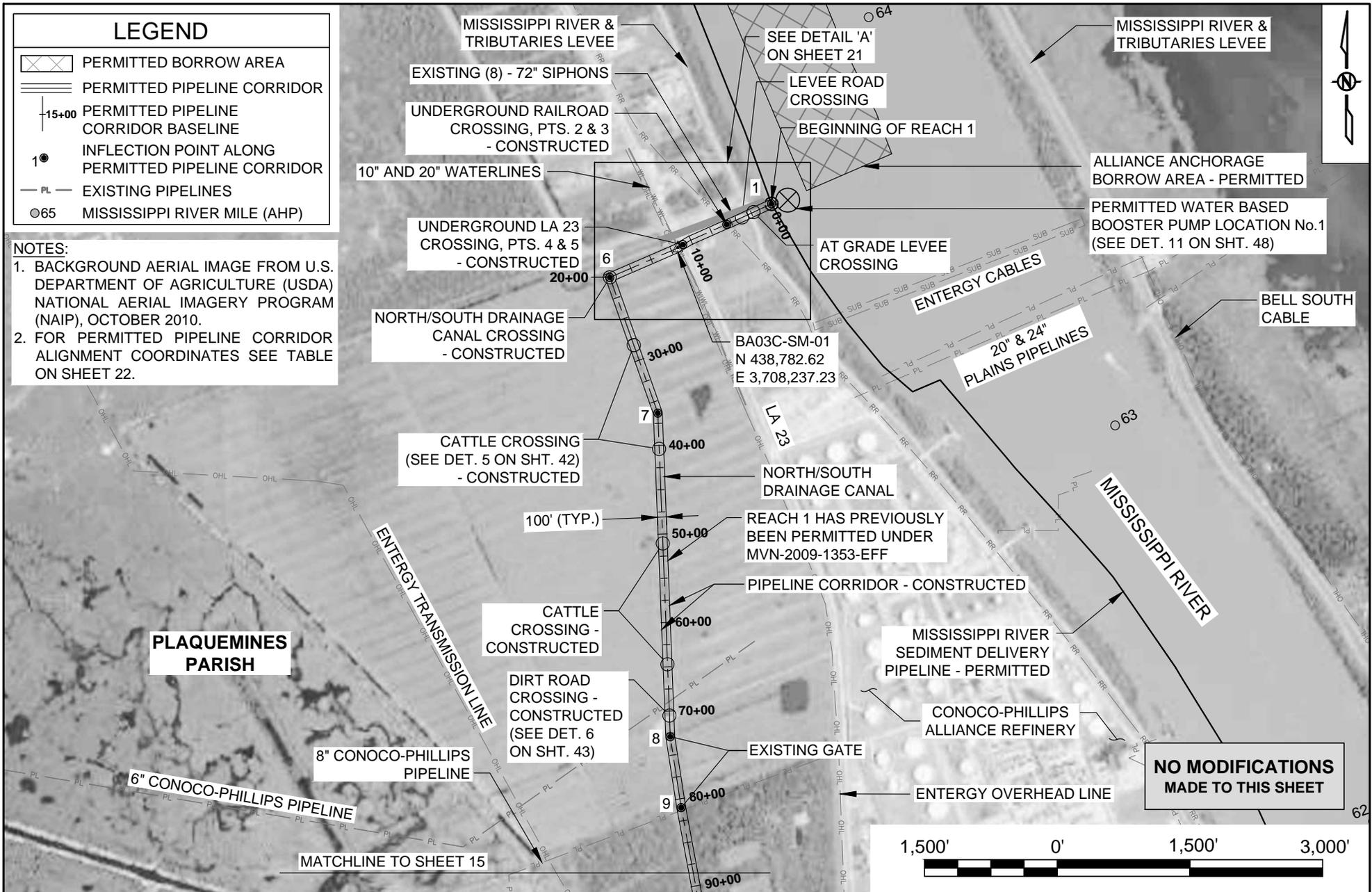
BY	DESCRIPTION	DATE	ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	MYRTLE GROVE BORROW AREA TYPICAL SECTION
					STATE PROJECT NUMBER: BA-43 (EB)	
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 13 OF 53

LEGEND

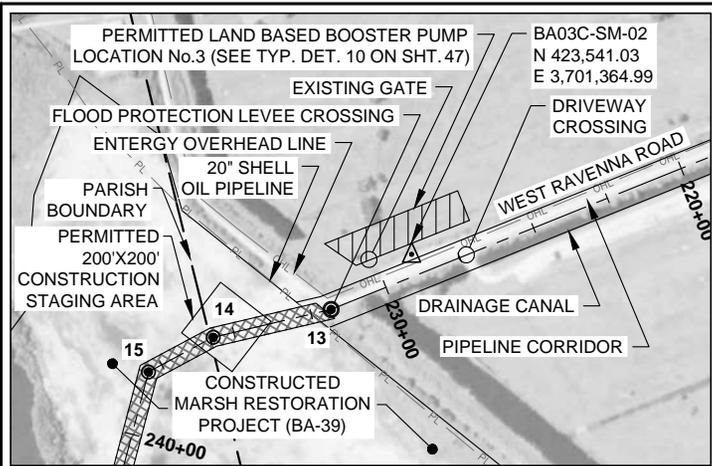
-  PERMITTED BORROW AREA
-  PERMITTED PIPELINE CORRIDOR
-  PERMITTED PIPELINE CORRIDOR BASELINE
-  INFLECTION POINT ALONG PERMITTED PIPELINE CORRIDOR
-  EXISTING PIPELINES
-  MISSISSIPPI RIVER MILE (AHP)

NOTES:

1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
2. FOR PERMITTED PIPELINE CORRIDOR ALIGNMENT COORDINATES SEE TABLE ON SHEET 22.



	BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<h3>COASTAL PROTECTION & RESTORATION AUTHORITY</h3> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p>MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE</p>	<p>PERMITTED PIPELINE CORRIDOR LAYOUT (SHEET 1 OF 4)</p>	
							STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
							FEDERAL PROJECT NUMBER: N/A	SHEET 14 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.			

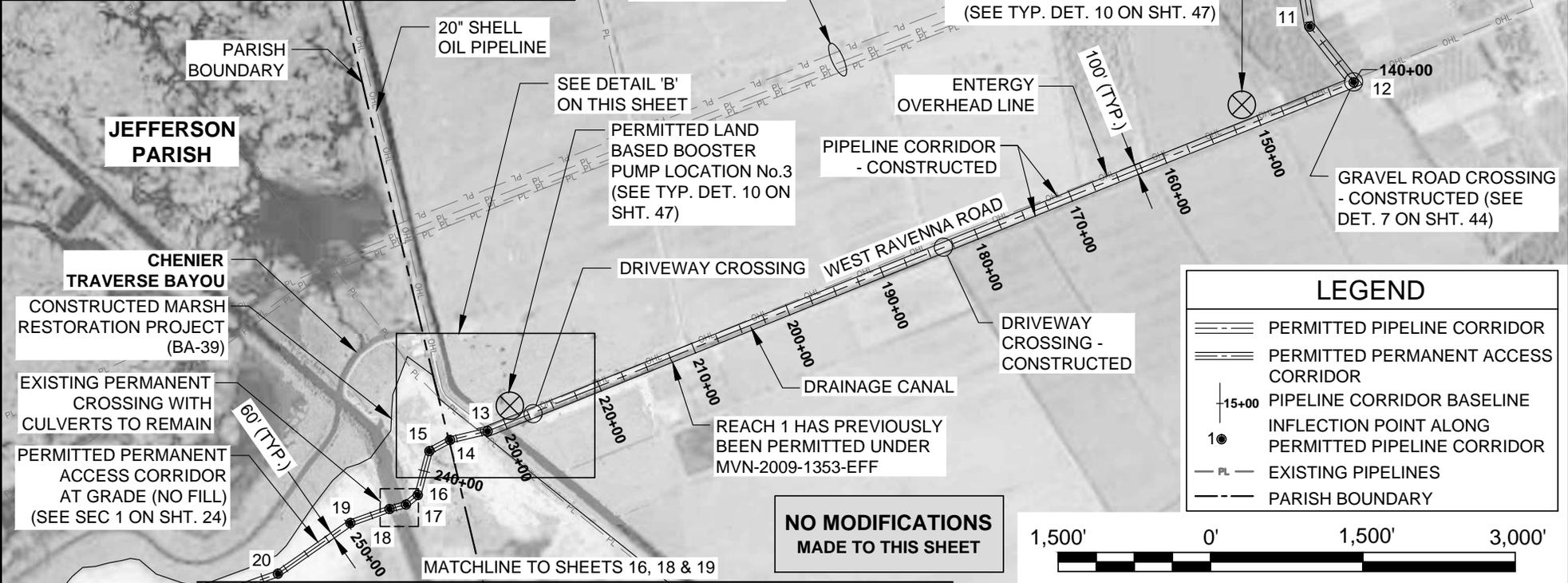


DETAIL B

SCALE: 1" = 600'

NOTES:

1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
2. FOR PERMITTED PIPELINE CORRIDOR ALIGNMENT COORDINATES SEE TABLE ON SHEET 22.



LEGEND	
	PERMITTED PIPELINE CORRIDOR
	PERMITTED PERMANENT ACCESS CORRIDOR
	PIPELINE CORRIDOR BASELINE
	INFLECTION POINT ALONG PERMITTED PIPELINE CORRIDOR
	EXISTING PIPELINES
	PARISH BOUNDARY



BY	DESCRIPTION	DATE

MOFFATT & NICHOL

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-927-7793

COASTAL PROTECTION & RESTORATION AUTHORITY

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER
LONG DISTANCE SEDIMENT PIPELINE

STATE PROJECT NUMBER: BA-43 (EB)

FEDERAL PROJECT NUMBER: N/A

PERMITTED PIPELINE
CORRIDOR LAYOUT
(SHEET 2 OF 4)

DATE: MARCH, 2015

SHEET 15 OF 53

DRAWN BY: YC

DESIGNED BY: CW

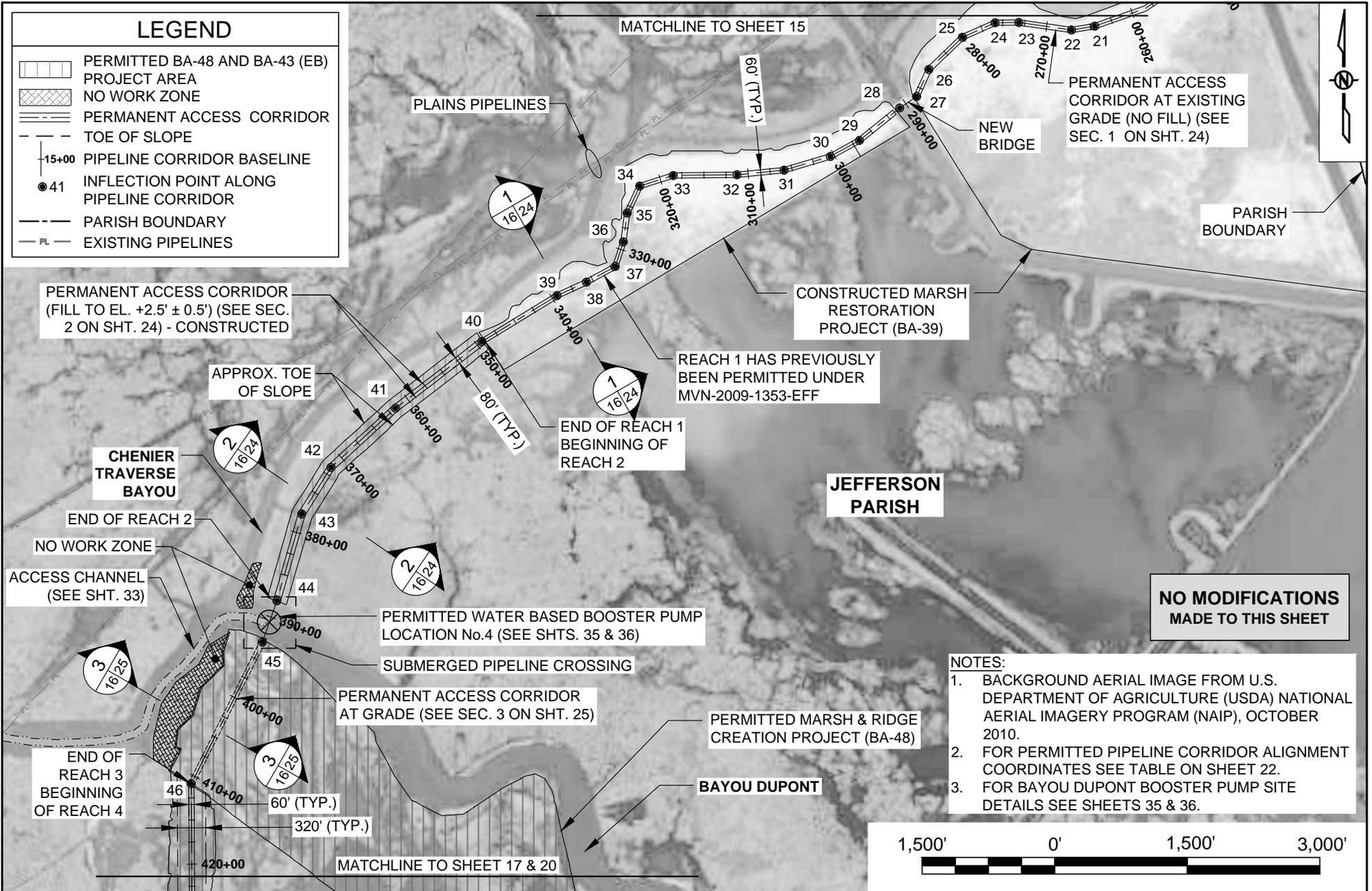
APPROVED BY: RUSS JOFFRION, P.E.

FEDERAL PROJECT NUMBER: N/A

SHEET 15 OF 53

LEGEND

-  PERMITTED BA-48 AND BA-43 (EB) PROJECT AREA
-  NO WORK ZONE
-  PERMANENT ACCESS CORRIDOR
-  TOE OF SLOPE
-  PIPELINE CORRIDOR BASELINE
-  INFLECTION POINT ALONG PIPELINE CORRIDOR
-  PARISH BOUNDARY
-  EXISTING PIPELINES



**NO MODIFICATIONS
MADE TO THIS SHEET**

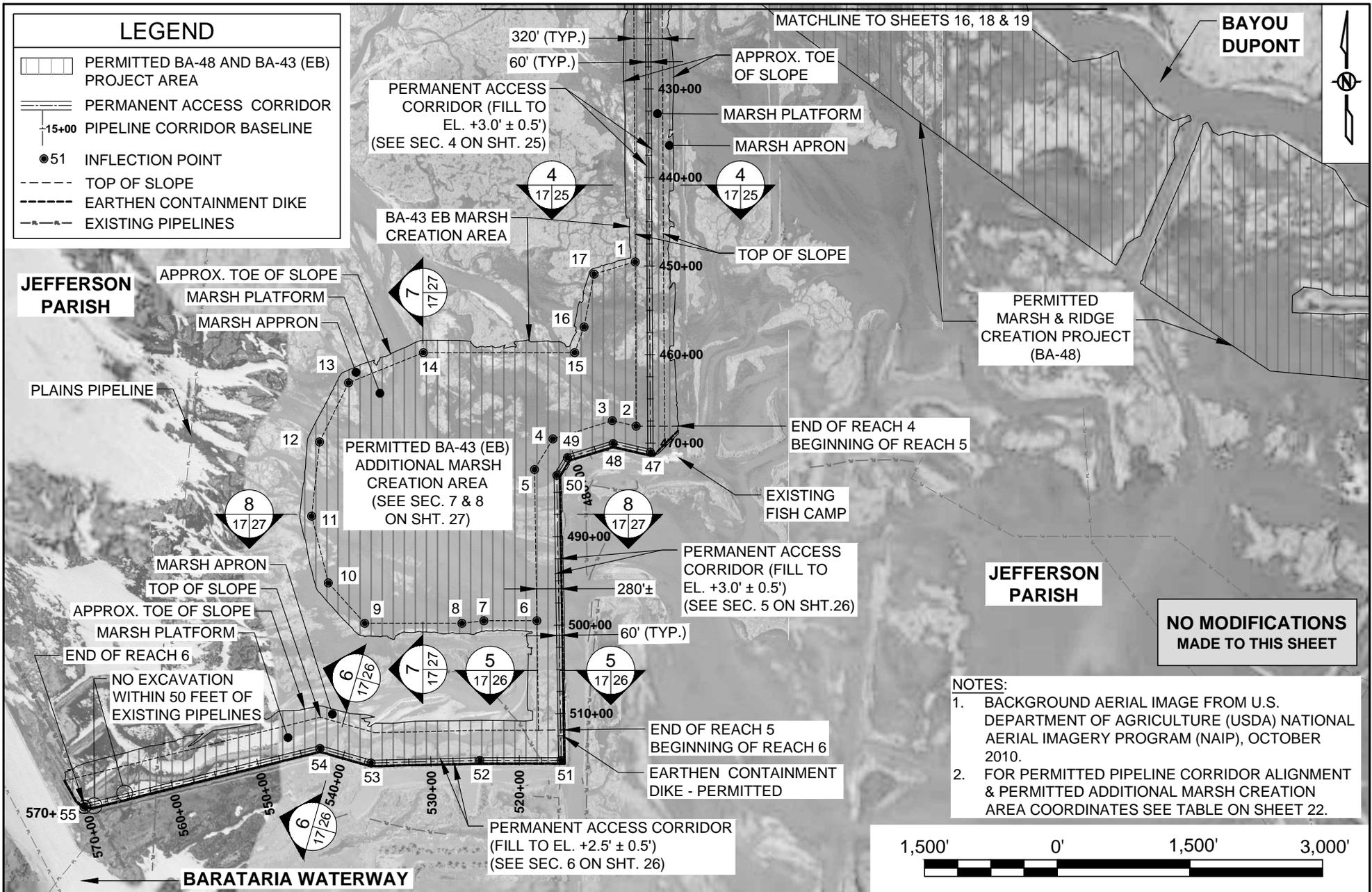
- NOTES:**
1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. FOR PERMITTED PIPELINE CORRIDOR ALIGNMENT COORDINATES SEE TABLE ON SHEET 22.
 3. FOR BAYOU DUPONT BOOSTER PUMP SITE DETAILS SEE SHEETS 35 & 36.



	BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PERMITTED PIPELINE CORRIDOR LAYOUT (SHEET 3 OF 4)
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 16 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		

LEGEND

-  PERMITTED BA-48 AND BA-43 (EB) PROJECT AREA
-  PERMANENT ACCESS CORRIDOR
-  PIPELINE CORRIDOR BASELINE
-  51 INFLECTION POINT
-  TOP OF SLOPE
-  EARTHEN CONTAINMENT DIKE
-  EXISTING PIPELINES



**NO MODIFICATIONS
MADE TO THIS SHEET**

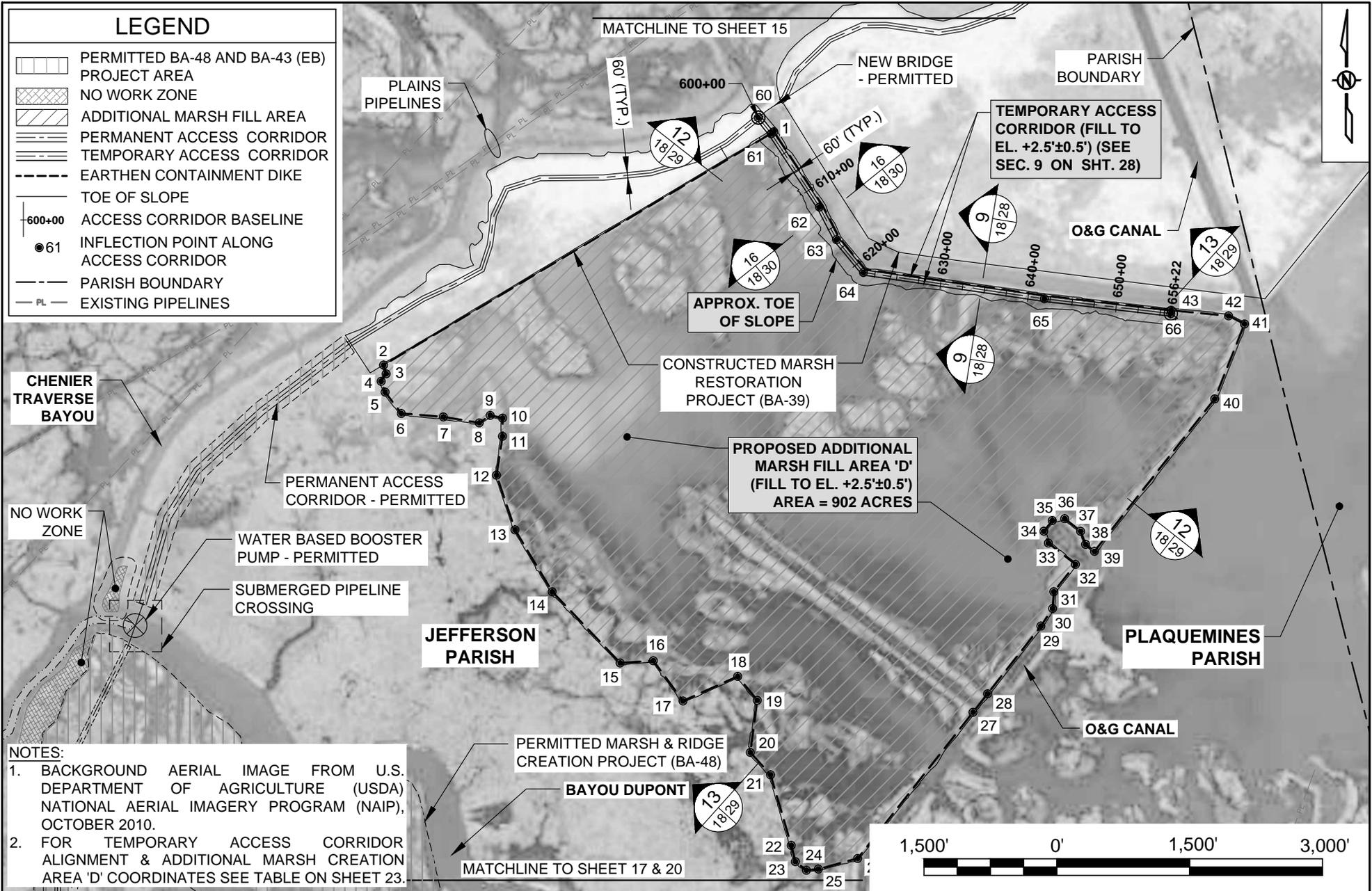
- NOTES:**
1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. FOR PERMITTED PIPELINE CORRIDOR ALIGNMENT & PERMITTED ADDITIONAL MARSH CREATION AREA COORDINATES SEE TABLE ON SHEET 22.



	BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PERMITTED PIPELINE CORRIDOR LAYOUT (SHEET 4 OF 4)
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 17 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		

LEGEND

-  PERMITTED BA-48 AND BA-43 (EB) PROJECT AREA
-  NO WORK ZONE
-  ADDITIONAL MARSH FILL AREA
-  PERMANENT ACCESS CORRIDOR
-  TEMPORARY ACCESS CORRIDOR
-  EARTHEN CONTAINMENT DIKE
-  TOE OF SLOPE
-  ACCESS CORRIDOR BASELINE
-  INFLECTION POINT ALONG ACCESS CORRIDOR
-  PARISH BOUNDARY
-  EXISTING PIPELINES



NOTES:
 1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. FOR TEMPORARY ACCESS CORRIDOR ALIGNMENT & ADDITIONAL MARSH CREATION AREA 'D' COORDINATES SEE TABLE ON SHEET 23.

BY	DESCRIPTION	DATE



ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70825
 225-927-7793

COASTAL PROTECTION & RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER
 LONG DISTANCE SEDIMENT PIPELINE

STATE PROJECT NUMBER: BA-43 (EB)
 FEDERAL PROJECT NUMBER: N/A

PROPOSED
 ADDITIONAL MARSH
 FILL - AREA D

DATE: MARCH, 2015
 SHEET 18 OF 53

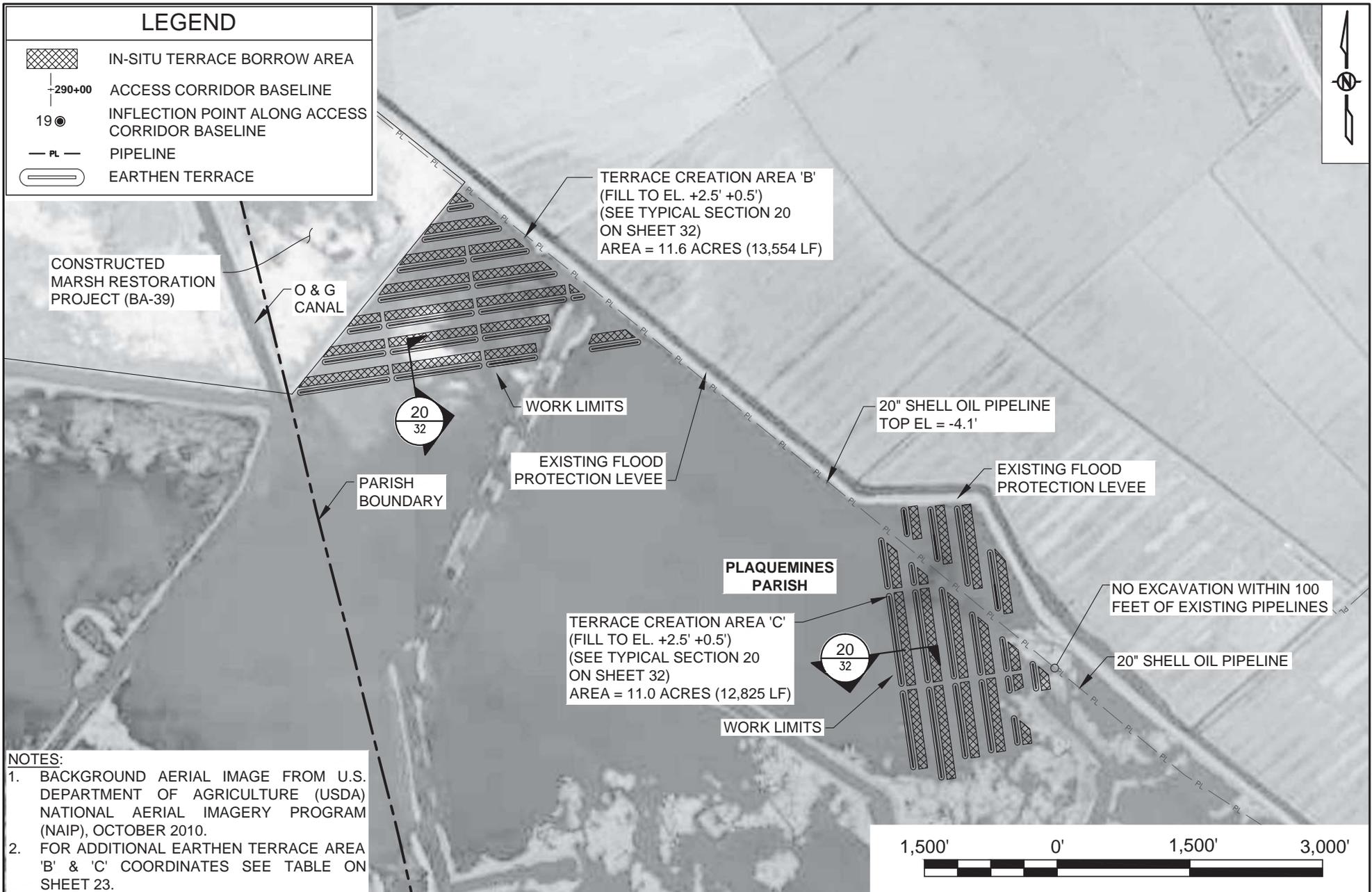
DRAWN BY: YC

DESIGNED BY: CW

APPROVED BY: RUSS JOFFRION, P.E.

LEGEND

-  IN-SITU TERRACE BORROW AREA
-  ACCESS CORRIDOR BASELINE
-  INFLECTION POINT ALONG ACCESS CORRIDOR BASELINE
-  PIPELINE
-  EARTHEN TERRACE



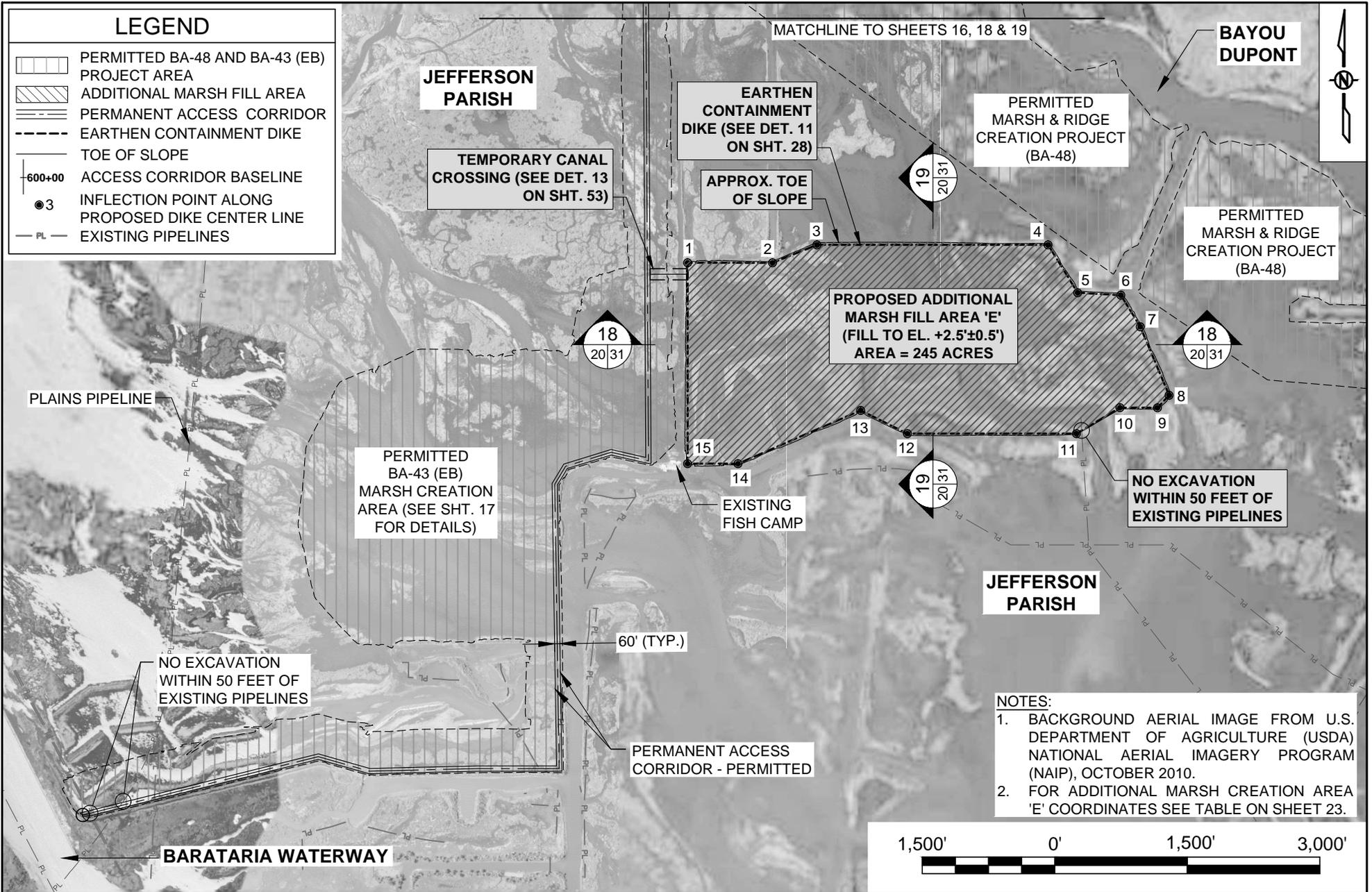
NOTES:

1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
2. FOR ADDITIONAL EARTHEN TERRACE AREA 'B' & 'C' COORDINATES SEE TABLE ON SHEET 23.

			 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p>MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE</p>	<p>PROPOSED EARTHEN TERRACE - AREAS B & C</p>
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 19 OF 53

LEGEND

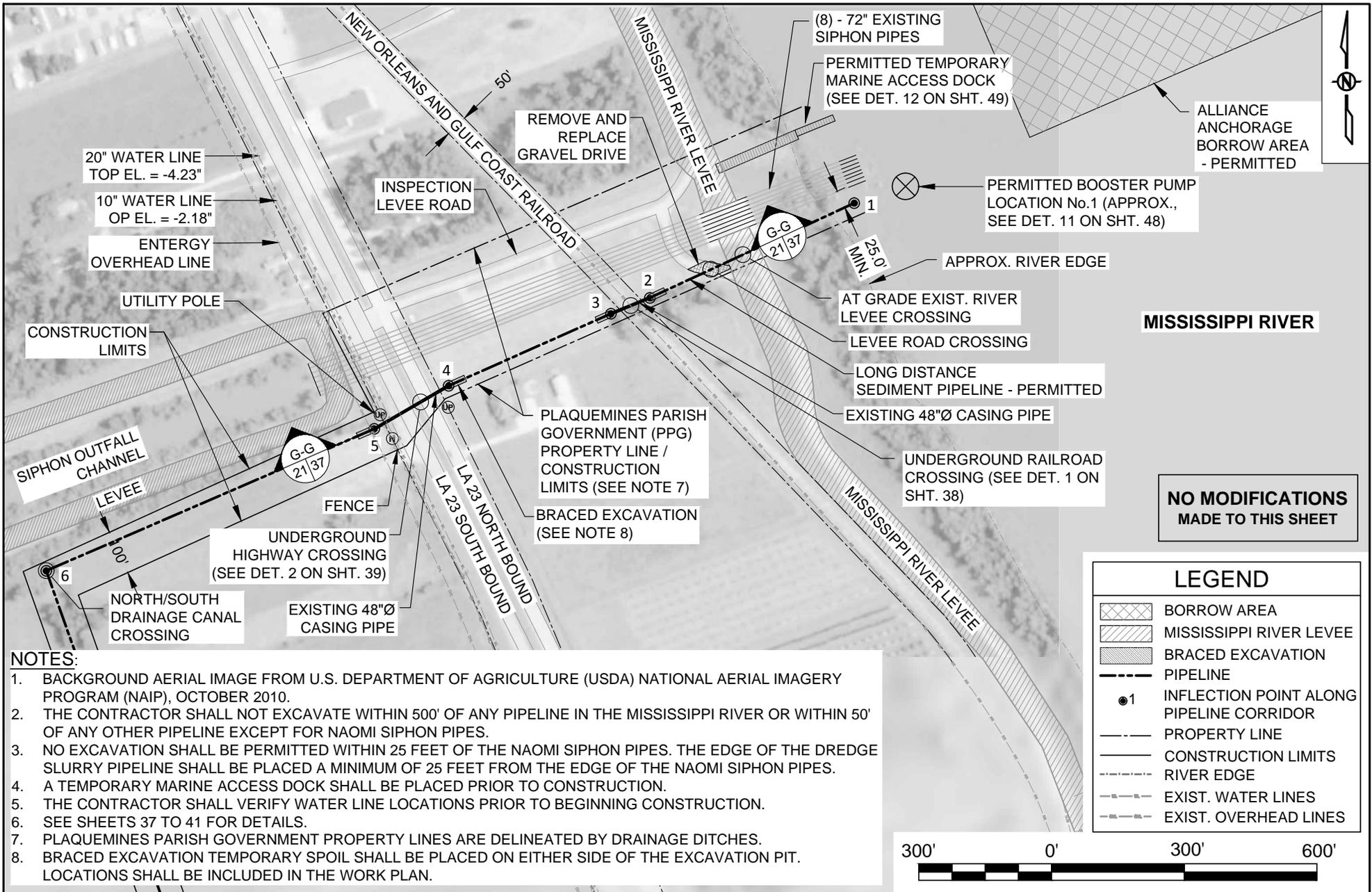
-  PERMITTED BA-48 AND BA-43 (EB) PROJECT AREA
-  ADDITIONAL MARSH FILL AREA
-  PERMANENT ACCESS CORRIDOR
-  EARTHEN CONTAINMENT DIKE
-  TOE OF SLOPE
-  ACCESS CORRIDOR BASELINE
-  INFLECTION POINT ALONG PROPOSED DIKE CENTER LINE
-  EXISTING PIPELINES



- NOTES:**
1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. FOR ADDITIONAL MARSH CREATION AREA 'E' COORDINATES SEE TABLE ON SHEET 23.



			 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p>MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE</p>	<p>PROPOSED ADDITIONAL MARSH FILL - AREA E</p>
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 20 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		



- NOTES:**
1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. THE CONTRACTOR SHALL NOT EXCAVATE WITHIN 500' OF ANY PIPELINE IN THE MISSISSIPPI RIVER OR WITHIN 50' OF ANY OTHER PIPELINE EXCEPT FOR NAOMI SIPHON PIPES.
 3. NO EXCAVATION SHALL BE PERMITTED WITHIN 25 FEET OF THE NAOMI SIPHON PIPES. THE EDGE OF THE DREDGE SLURRY PIPELINE SHALL BE PLACED A MINIMUM OF 25 FEET FROM THE EDGE OF THE NAOMI SIPHON PIPES.
 4. A TEMPORARY MARINE ACCESS DOCK SHALL BE PLACED PRIOR TO CONSTRUCTION.
 5. THE CONTRACTOR SHALL VERIFY WATER LINE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
 6. SEE SHEETS 37 TO 41 FOR DETAILS.
 7. PLAQUEMINES PARISH GOVERNMENT PROPERTY LINES ARE DELINEATED BY DRAINAGE DITCHES.
 8. BRACED EXCAVATION TEMPORARY SPOIL SHALL BE PLACED ON EITHER SIDE OF THE EXCAVATION PIT. LOCATIONS SHALL BE INCLUDED IN THE WORK PLAN.

**NO MODIFICATIONS
MADE TO THIS SHEET**

LEGEND

- BORROW AREA
- MISSISSIPPI RIVER LEVEE
- BRACED EXCAVATION
- PIPELINE
- INFLECTION POINT ALONG PIPELINE CORRIDOR
- PROPERTY LINE
- CONSTRUCTION LIMITS
- RIVER EDGE
- EXIST. WATER LINES
- EXIST. OVERHEAD LINES



BY	DESCRIPTION	DATE

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70825
225-927-7793

**COASTAL PROTECTION & RESTORATION
AUTHORITY**

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

MISSISSIPPI RIVER
LONG DISTANCE SEDIMENT PIPELINE

STATE PROJECT NUMBER: BA-43 (EB)

FEDERAL PROJECT NUMBER: N/A

PERMITTED PIPELINE
CORRIDOR - DETAIL A

DATE: MARCH, 2015

SHEET 21 OF 53

DRAWN BY: YC

DESIGNED BY: CW

APPROVED BY: RUSS JOFFRION, P.E.

PIPELINE CORRIDOR ALIGNMENT- PERMITTED

PT.	LATITUDE	LONGITUDE
1	29° 42' 03.65" N	89° 59' 01.44" W
2	29° 42' 01.58" N	89° 59' 06.71" W
3	29° 42' 01.24" N	89° 59' 07.71" W
4	29° 41' 59.67" N	89° 59' 11.90" W
5	29° 41' 58.73" N	89° 59' 13.82" W
6	29° 41' 55.64" N	89° 59' 22.27" W
7	29° 41' 40.40" N	89° 59' 16.32" W
8	29° 41' 04.23" N	89° 59' 15.22" W
9	29° 40' 56.28" N	89° 59' 13.92" W
10	29° 40' 16.32" N	89° 59' 06.00" W
11	29° 40' 05.58" N	89° 59' 04.03" W
12	29° 40' 00.10" N	89° 58' 59.20" W
13	29° 39' 27.14" N	90° 00' 36.31" W
14	29° 39' 26.32" N	90° 00' 40.52" W
15	29° 39' 25.26" N	90° 00' 42.84" W
16	29° 39' 21.00" N	90° 00' 44.18" W
17	29° 39' 20.08" N	90° 00' 45.51" W
18	29° 39' 19.67" N	90° 00' 47.36" W
19	29° 39' 18.35" N	90° 00' 51.73" W
20	29° 39' 13.49" N	90° 00' 59.89" W
21	29° 39' 11.57" N	90° 01' 06.43" W
22	29° 39' 11.17" N	90° 01' 09.43" W
23	29° 39' 12.07" N	90° 01' 16.15" W
24	29° 39' 12.08" N	90° 01' 19.20" W
25	29° 39' 10.50" N	90° 01' 23.40" W
26	29° 39' 06.93" N	90° 01' 27.77" W
27	29° 39' 03.93" N	90° 01' 29.37" W
28	29° 39' 02.66" N	90° 01' 31.56" W
29	29° 38' 59.09" N	90° 01' 36.77" W
30	29° 38' 57.33" N	90° 01' 40.53" W
31	29° 38' 55.85" N	90° 01' 46.47" W
32	29° 38' 55.39" N	90° 01' 52.52" W
33	29° 38' 55.40" N	90° 02' 00.71" W
34	29° 38' 54.26" N	90° 02' 05.00" W
35	29° 38' 51.24" N	90° 02' 06.67" W
36	29° 38' 48.03" N	90° 02' 07.20" W
37	29° 38' 45.29" N	90° 02' 08.26" W
38	29° 38' 43.58" N	90° 02' 11.97" W
39	29° 38' 42.10" N	90° 02' 15.78" W
40	29° 38' 37.05" N	90° 02' 25.47" W
41	29° 38' 29.71" N	90° 02' 36.65" W
42	29° 38' 23.16" N	90° 02' 45.01" W
43	29° 38' 17.99" N	90° 02' 48.83" W
44	29° 38' 08.30" N	90° 02' 52.14" W
45	29° 38' 03.70" N	90° 02' 54.05" W

PT.	LATITUDE	LONGITUDE
46	29° 37' 47.94" N	90° 03' 03.37" W
47	29° 36' 48.43" N	90° 03' 03.76" W
48	29° 36' 49.44" N	90° 03' 08.53" W
49	29° 36' 47.92" N	90° 03' 14.40" W
50	29° 36' 45.93" N	90° 03' 15.80" W
51	29° 36' 14.08" N	90° 03' 15.64" W
52	29° 36' 14.19" N	90° 03' 26.04" W
53	29° 36' 14.03" N	90° 03' 39.98" W
54	29° 36' 15.72" N	90° 03' 46.51" W
55	29° 36' 09.48" N	90° 04' 16.78" W

**PERMITTED BA-43 (EB)
ADDITIONAL MARSH AREA
(TOP OF SLOPE)**

PT.	LATITUDE	LONGITUDE
1	29° 37' 09.74" N	90° 03' 05.44" W
2	29° 36' 51.36" N	90° 03' 05.55" W
3	29° 36' 52.00" N	90° 03' 08.60" W
4	29° 36' 50.03" N	90° 03' 16.24" W
5	29° 36' 46.63" N	90° 03' 18.64" W
6	29° 36' 29.72" N	90° 03' 18.55" W
7	29° 36' 29.79" N	90° 03' 25.34" W
8	29° 36' 29.53" N	90° 03' 28.15" W
9	29° 36' 29.65" N	90° 03' 40.60" W
10	29° 36' 34.21" N	90° 03' 45.20" W
11	29° 36' 41.70" N	90° 03' 47.24" W
12	29° 36' 49.99" N	90° 03' 46.13" W
13	29° 36' 56.56" N	90° 03' 42.32" W
14	29° 36' 59.84" N	90° 03' 32.70" W
15	29° 36' 59.65" N	90° 03' 13.33" W
16	29° 37' 02.51" N	90° 03' 12.08" W
17	29° 37' 08.41" N	90° 03' 10.74" W

**PERMITTED
BOOSTER PUMP LOCATIONS**

PT.	LATITUDE	LONGITUDE
1	29° 42' 04.01" N	89° 59' 00.12" W
2	29° 39' 58.03" N	89° 59' 11.71" W
3	29° 39' 29.57" N	90° 00' 33.79" W
4	29° 38' 05.92" N	90° 02' 53.14" W

ACCESS CHANNEL ALIGNMENT - PERMITTED

PT.	LATITUDE	LONGITUDE
1	29° 38' 33.79" N	90° 05' 43.76" W
2	29° 38' 36.11" N	90° 05' 39.23" W
3	29° 38' 35.26" N	90° 05' 38.05" W
4	29° 38' 33.34" N	90° 05' 37.43" W
5	29° 38' 33.08" N	90° 05' 35.59" W
6	29° 38' 32.07" N	90° 05' 34.21" W
7	29° 38' 30.85" N	90° 05' 31.02" W
8	29° 38' 30.78" N	90° 05' 28.75" W
9	29° 38' 28.67" N	90° 05' 22.82" W
10	29° 38' 28.43" N	90° 05' 18.94" W
11	29° 38' 30.26" N	90° 05' 16.81" W
12	29° 38' 33.49" N	90° 05' 15.41" W
13	29° 38' 34.70" N	90° 05' 13.23" W
14	29° 38' 35.21" N	90° 05' 06.01" W
15	29° 38' 34.77" N	90° 05' 00.40" W
16	29° 38' 33.52" N	90° 04' 55.13" W
17	29° 38' 31.55" N	90° 04' 49.78" W
18	29° 38' 24.42" N	90° 04' 38.98" W
19	29° 38' 22.33" N	90° 04' 37.22" W
20	29° 38' 17.09" N	90° 04' 33.99" W
21	29° 38' 16.07" N	90° 04' 29.78" W
22	29° 38' 14.53" N	90° 04' 28.39" W
23	29° 38' 12.55" N	90° 04' 25.78" W
24	29° 38' 11.96" N	90° 04' 20.94" W
25	29° 38' 11.26" N	90° 04' 18.04" W
26	29° 38' 10.59" N	90° 04' 14.17" W
27	29° 38' 08.55" N	90° 04' 11.61" W
28	29° 38' 07.56" N	90° 04' 11.11" W
29	29° 38' 05.95" N	90° 04' 09.47" W
30	29° 38' 04.23" N	90° 04' 01.09" W
31	29° 38' 01.33" N	90° 03' 57.32" W
32	29° 37' 59.26" N	90° 03' 53.74" W
33	29° 37' 58.56" N	90° 03' 50.99" W
34	29° 37' 58.67" N	90° 03' 48.16" W
35	29° 37' 59.61" N	90° 03' 45.24" W
36	29° 38' 00.16" N	90° 03' 42.71" W
37	29° 37' 59.91" N	90° 03' 39.88" W
38	29° 37' 58.56" N	90° 03' 38.16" W
39	29° 37' 56.92" N	90° 03' 36.90" W
40	29° 37' 56.06" N	90° 03' 36.03" W
41	29° 37' 55.53" N	90° 03' 35.00" W
42	29° 37' 53.79" N	90° 03' 29.95" W
43	29° 37' 52.82" N	90° 03' 23.74" W
44	29° 37' 52.63" N	90° 03' 20.42" W
45	29° 37' 52.78" N	90° 03' 15.34" W

PT.	LATITUDE	LONGITUDE
46	29° 37' 53.05" N	90° 03' 12.51" W
47	29° 37' 53.63" N	90° 03' 10.48" W
48	29° 37' 54.31" N	90° 03' 09.40" W
49	29° 37' 56.11" N	90° 03' 08.75" W
50	29° 37' 57.50" N	90° 03' 08.22" W
51	29° 37' 59.11" N	90° 03' 06.86" W
52	29° 38' 00.30" N	90° 03' 05.45" W
53	29° 38' 00.92" N	90° 03' 04.47" W
54	29° 38' 02.81" N	90° 03' 02.54" W
55	29° 38' 04.04" N	90° 03' 01.49" W
56	29° 38' 04.97" N	90° 03' 00.88" W
57	29° 38' 06.05" N	90° 02' 59.77" W
58	29° 38' 06.50" N	90° 02' 58.86" W
59	29° 38' 06.70" N	90° 02' 57.71" W
60	29° 38' 06.81" N	90° 02' 56.01" W
61	29° 38' 05.55" N	90° 02' 51.89" W

**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PERMITTED PROJECT ALIGNMENT TABLES		
DRAWN BY: YC					DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
							FEDERAL PROJECT NUMBER: N/A	SHEET 22 OF 53

BA-164 MARSH CREATION
AREA B - TERRACE CENTERLINE

PT.	START		END	
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE
1	29°38'41.17"N	90°00'27.04"W	29°38'42.51"N	90°00'15.87"W
2	29°38'42.66"N	90°00'14.64"W	29°38'43.93"N	90°00'04.05"W
3	29°38'44.08"N	90°00'02.78"W	29°38'45.36"N	89°59'52.17"W
4	29°38'45.50"N	89°59'50.93"W	29°38'46.48"N	89°59'42.81"W
5	29°38'44.56"N	90°00'23.81"W	29°38'45.45"N	90°00'16.34"W
6	29°38'45.60"N	90°00'15.10"W	29°38'46.87"N	90°00'04.51"W
7	29°38'47.03"N	90°00'03.24"W	29°38'48.30"N	89°59'52.63"W
8	29°38'48.45"N	89°59'51.39"W	29°38'49.05"N	89°59'46.38"W
9	29°38'47.94"N	90°00'20.57"W	29°38'48.40"N	90°00'16.80"W
10	29°38'48.54"N	90°00'15.56"W	29°38'49.82"N	90°00'04.97"W
11	29°38'49.97"N	90°00'03.70"W	29°38'51.24"N	89°59'53.09"W
12	29°38'51.39"N	89°59'51.86"W	29°38'51.62"N	89°59'49.95"W
13	29°38'51.42"N	90°00'16.59"W	29°38'52.76"N	90°00'05.43"W
14	29°38'52.91"N	90°00'04.16"W	29°38'54.19"N	89°59'53.50"W
15	29°38'54.72"N	90°00'14.09"W	29°38'55.70"N	90°00'05.90"W
16	29°38'55.85"N	90°00'04.62"W	29°38'56.76"N	89°59'57.09"W
17	29°38'58.10"N	90°00'10.85"W	29°38'59.33"N	90°00'00.66"W
18	29°39'01.49"N	90°00'07.61"W	29°39'01.90"N	90°00'04.23"W

BA-164 MARSH CREATION
AREA C - TERRACE CENTERLINE

PT.	START		END	
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE
1	29°38'24.63"N	89°59'12.95"W	29°38'18.73"N	89°59'12.07"W
2	29°38'17.65"N	89°59'11.91"W	29°38'07.83"N	89°59'10.45"W
3	29°38'06.75"N	89°59'10.29"W	29°37'56.94"N	89°59'08.83"W
4	29°38'27.23"N	89°59'09.90"W	29°38'24.19"N	89°59'09.45"W
5	29°38'21.35"N	89°59'09.03"W	29°38'19.11"N	89°59'08.70"W
6	29°38'18.03"N	89°59'08.54"W	29°38'08.22"N	89°59'07.08"W
7	29°38'07.14"N	89°59'06.92"W	29°37'57.32"N	89°59'05.46"W
8	29°38'27.29"N	89°59'06.49"W	29°38'21.37"N	89°59'05.60"W
9	29°38'18.42"N	89°59'05.16"W	29°38'08.60"N	89°59'03.71"W
10	29°38'07.52"N	89°59'03.55"W	29°37'57.70"N	89°59'02.09"W
11	29°38'27.33"N	89°59'03.06"W	29°38'18.55"N	89°59'01.76"W
12	29°38'15.71"N	89°59'01.34"W	29°38'08.98"N	89°59'00.34"W
13	29°38'07.90"N	89°59'00.18"W	29°37'58.08"N	89°58'58.72"W
14	29°38'22.41"N	89°58'58.90"W	29°38'15.74"N	89°58'57.91"W
15	29°38'12.91"N	89°58'57.49"W	29°38'09.36"N	89°58'56.96"W
16	29°38'08.28"N	89°58'56.81"W	29°37'59.11"N	89°58'55.44"W
17	29°38'15.15"N	89°58'54.40"W	29°38'12.91"N	89°58'54.06"W
18	29°38'10.09"N	89°58'53.64"W	29°38'07.14"N	89°58'53.21"W

MARSH CREATION AREA 'D'
(CENTERLINE OF EARTHEN
CONTAINMENT DIKE)

PT.	LATITUDE	LONGITUDE
1	29°39'00.30" N	90°01'30.68" W
2	29°38'34.72" N	90°02'20.98" W
3	29°38'33.75" N	90°02'20.66" W
4	29°38'32.91" N	90°02'21.31" W
5	29°38'31.71" N	90°02'20.81" W
6	29°38'29.30" N	90°02'18.78" W
7	29°38'28.86" N	90°02'13.40" W
8	29°38'28.14" N	90°02'08.82" W
9	29°38'28.98" N	90°02'07.40" W
10	29°38'28.65" N	90°02'05.82" W
11	29°38'26.62" N	90°02'05.86" W
12	29°38'22.28" N	90°02'06.68" W
13	29°38'16.15" N	90°02'04.39" W
14	29°38'09.19" N	90°01'59.73" W
15	29°38'01.14" N	90°01'51.13" W
16	29°38'01.34" N	90°01'46.89" W
17	29°37'56.82" N	90°01'43.15" W
18	29°37'59.49" N	90°01'36.11" W
19	29°37'56.80" N	90°01'33.65" W
20	29°37'50.98" N	90°01'34.62" W
21	29°37'48.45" N	90°01'32.05" W
22	29°37'40.54" N	90°01'29.51" W
23	29°37'38.71" N	90°01'29.01" W
24	29°37'37.73" N	90°01'27.59" W
25	29°37'37.85" N	90°01'26.06" W
26	29°37'39.00" N	90°01'21.02" W
27	29°37'55.18" N	90°01'06.06" W
28	29°37'57.23" N	90°01'04.16" W
29	29°38'04.72" N	90°00'57.24" W
30	29°38'06.67" N	90°00'55.72" W
31	29°38'08.55" N	90°00'55.53" W
32	29°38'11.57" N	90°00'52.73" W
33	29°38'13.99" N	90°00'56.16" W
34	29°38'15.32" N	90°00'56.72" W
35	29°38'16.49" N	90°00'55.63" W
36	29°38'16.69" N	90°00'54.04" W
37	29°38'15.27" N	90°00'52.02" W
38	29°38'13.80" N	90°00'51.40" W
39	29°38'13.01" N	90°00'50.27" W
40	29°38'29.89" N	90°00'34.66" W
41	29°38'38.21" N	90°00'30.74" W
42	29°38'39.13" N	90°00'32.77" W
43	29°38'39.84" N	90°00'40.10" W

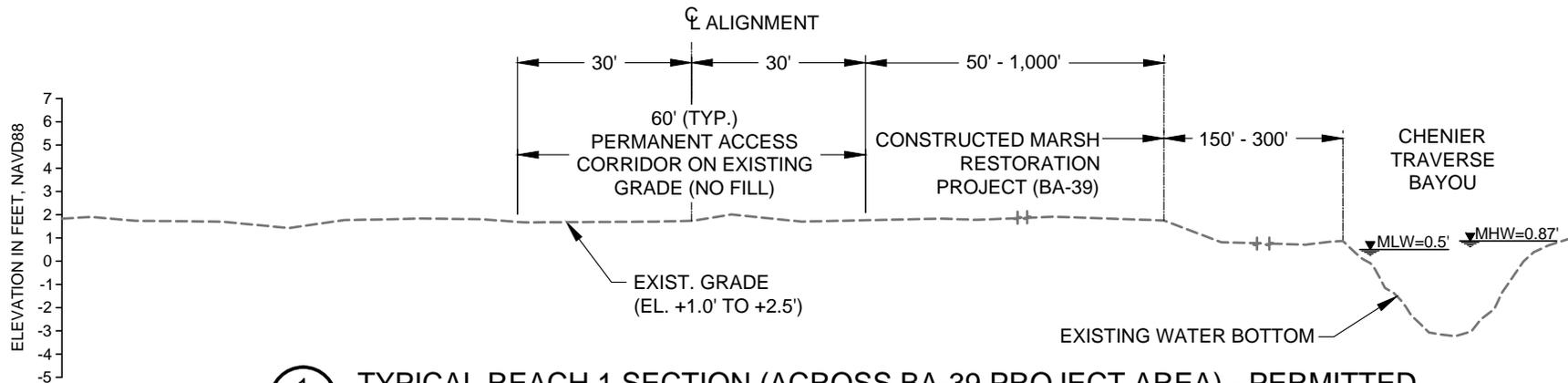
MARSH CREATION AREA 'E'
(CENTERLINE OF EARTHEN
CONTAINMENT DIKE)

PT.	LATITUDE	LONGITUDE
1	29°37'10.55" N	90°02'58.45" W
2	29°37'10.45" N	90°02'47.56" W
3	29°37'12.40" N	90°02'41.85" W
4	29°37'12.11" N	90°02'12.21" W
5	29°37'06.72" N	90°02'08.50" W
6	29°37'06.38" N	90°02'02.95" W
7	29°37'02.83" N	90°02'00.52" W
8	29°36'55.11" N	90°01'56.91" W
9	29°36'53.74" N	90°01'58.41" W
10	29°36'53.79" N	90°02'03.23" W
11	29°36'50.93" N	90°02'08.85" W
12	29°36'51.15" N	90°02'30.52" W
13	29°36'53.81" N	90°02'36.48" W
14	29°36'48.00" N	90°02'52.28" W
15	29°36'48.06" N	90°02'58.74" W

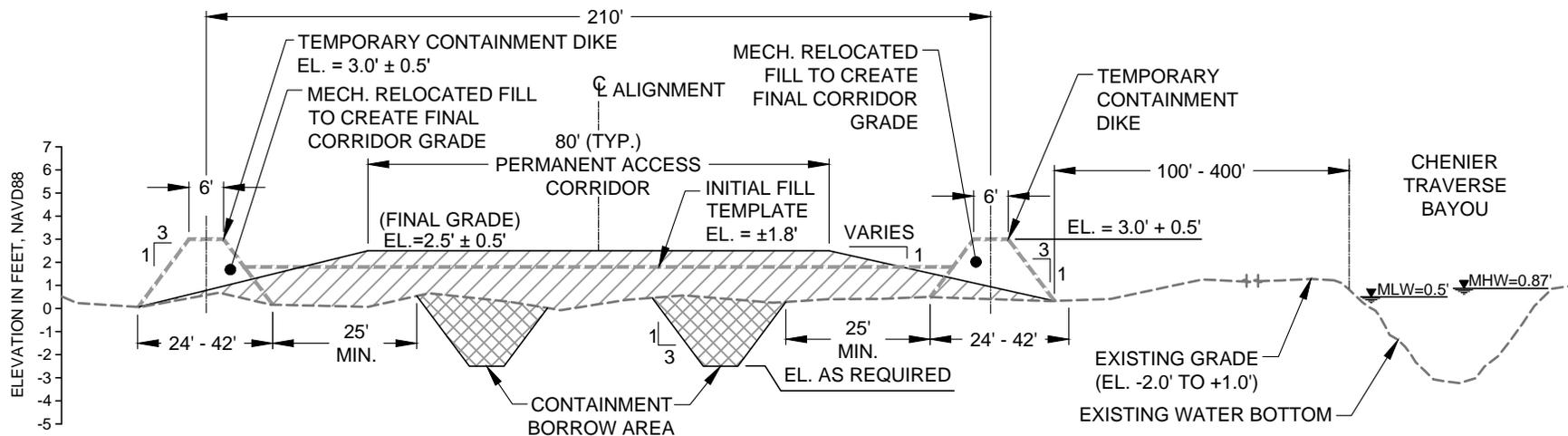
TEMPORARY ACCESS
CORRIDOR ALIGNMENT

PT.	LATITUDE	LONGITUDE
60	29°39'01.91" N	90°01'32.67" W
61	29°39'00.11" N	90°01'31.05" W
62	29°38'51.83" N	90°01'24.96" W
63	29°38'48.15" N	90°01'22.83" W
64	29°38'44.46" N	90°01'19.43" W
65	29°38'41.29" N	90°00'56.31" W
66	29°38'39.47" N	90°00'40.16" W

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PROPOSED PROJECT ALIGNMENT TABLES
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 23 OF 53



1 TYPICAL REACH 1 SECTION (ACROSS BA-39 PROJECT AREA) - PERMITTED
 16 (STA. 232+12.07 TO STA. 349+28.02)



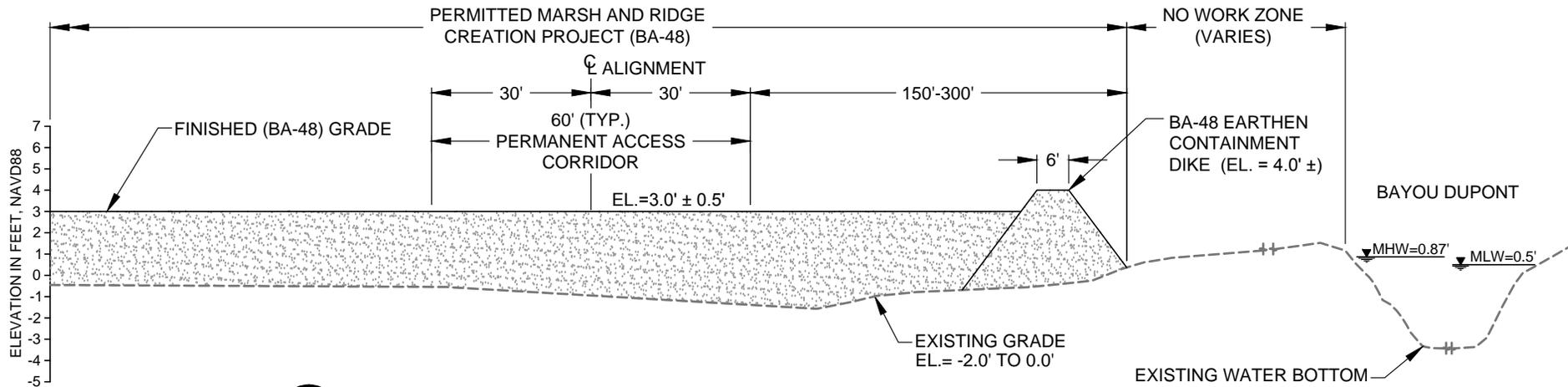
2 TYPICAL REACH 2 SECTION (BETWEEN BA-39 & BAYOU DUPONT) - PERMITTED
 16 (STA. 349+28.02 TO STA. 388+06.42)

NOTE:
 EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.

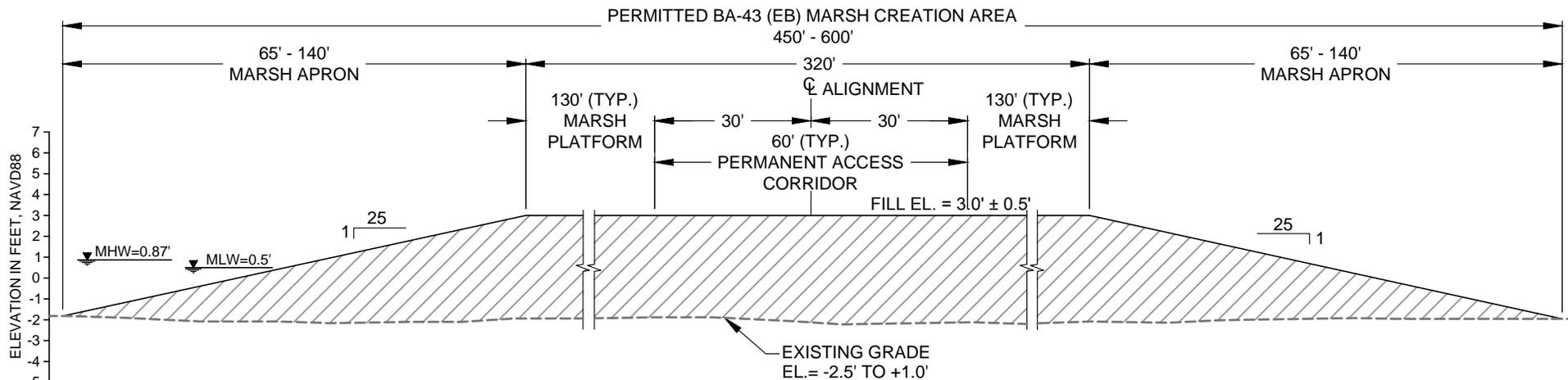


**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TYPICAL FILL SECTIONS (SHEET 1 OF 4) PERMITTED
						STATE PROJECT NUMBER: BA-43 (EB)
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 24 OF 53



3 TYPICAL REACH 3 SECTION (ACROSS PERMITTED BA-48 PROJECT AREA) - PERMITTED
 16 (STA. 392+97.96 TO STA. 410+90.02)



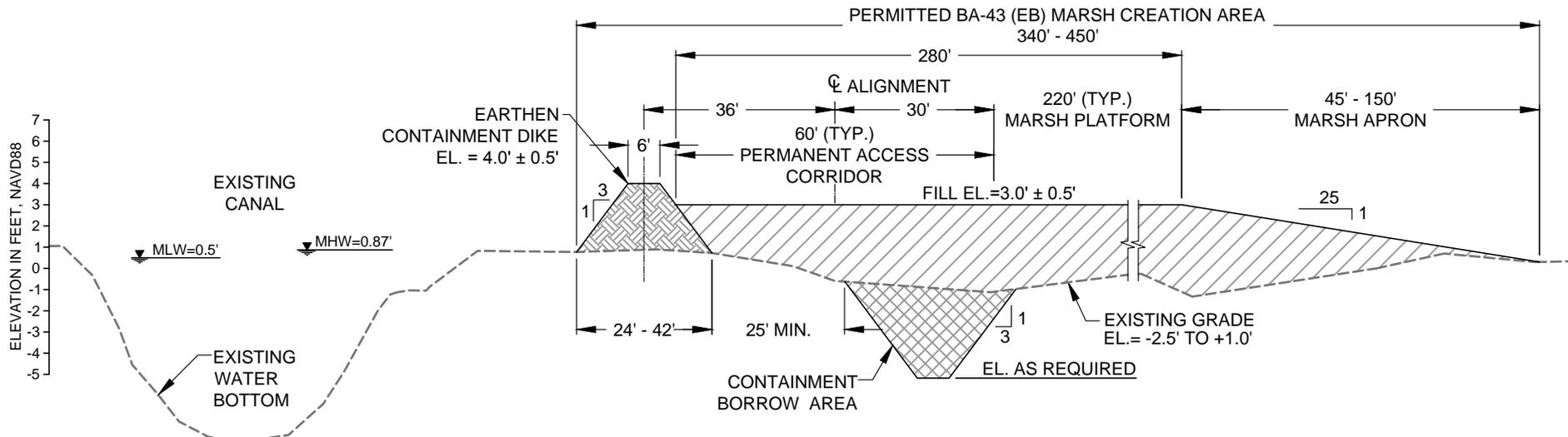
4 TYPICAL REACH 4 SECTION (FROM BA-48 TO THE FISH CAMP) - PERMITTED
 16 (STA. 410+90.02 TO STA. 468+07.70)



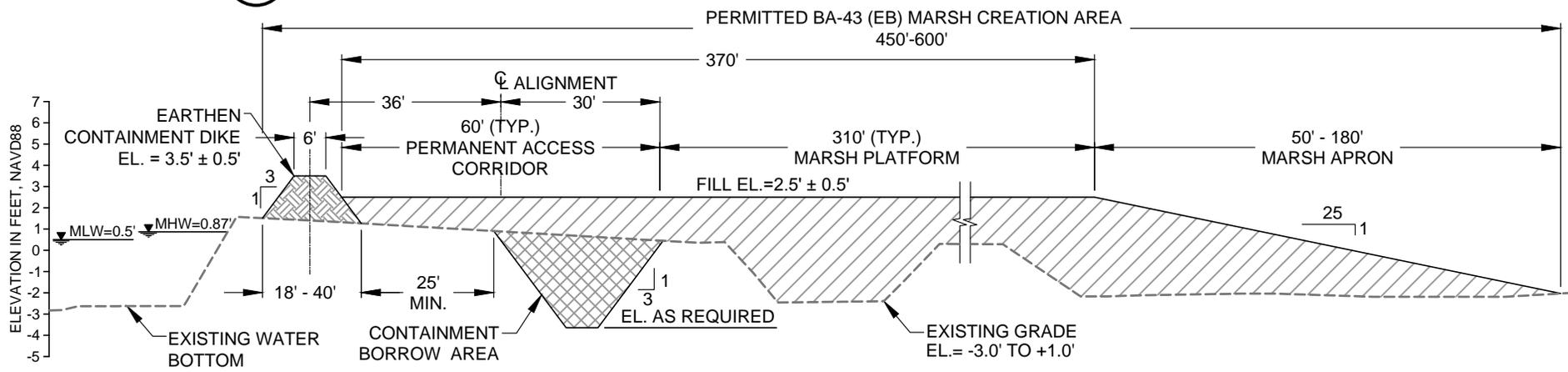
NOTE:
 EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC
 SURVEYS PERFORMED FROM JULY 26 THROUGH
 OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.

**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	COASTAL PROTECTION & RESTORATION AUTHORITY		MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TYPICAL FILL SECTIONS (SHEET 2 OF 4) PERMITTED	
			 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793		STATE PROJECT NUMBER: BA-43 (EB)		DATE: MARCH, 2015
					450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		FEDERAL PROJECT NUMBER: N/A
DRAWN BY: YC			DESIGNED BY: CW		APPROVED BY: RUSS JOFFRION, P.E.		



5 TYPICAL REACH 5 SECTION (FROM THE FISH CAMP TO STA. 511+83.65) - PERMITTED
 (STA. 468+07.70 TO STA. 511+83.65)



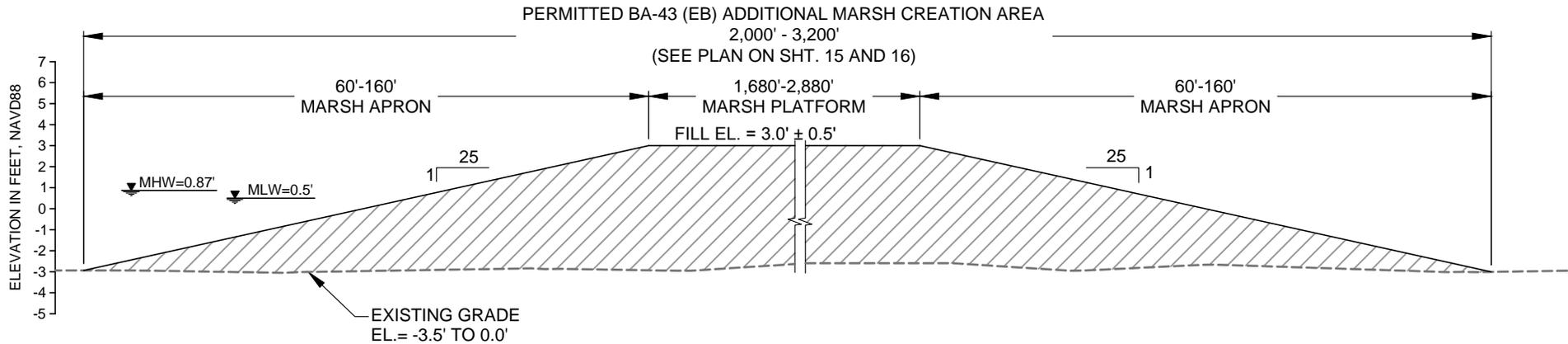
6 TYPICAL REACH 6 SECTION (FROM STA. 511+83.65 TO BARATARIA WATERWAY) - PERMITTED
 (STA. 511+83.65 TO STA. 570+22.0)



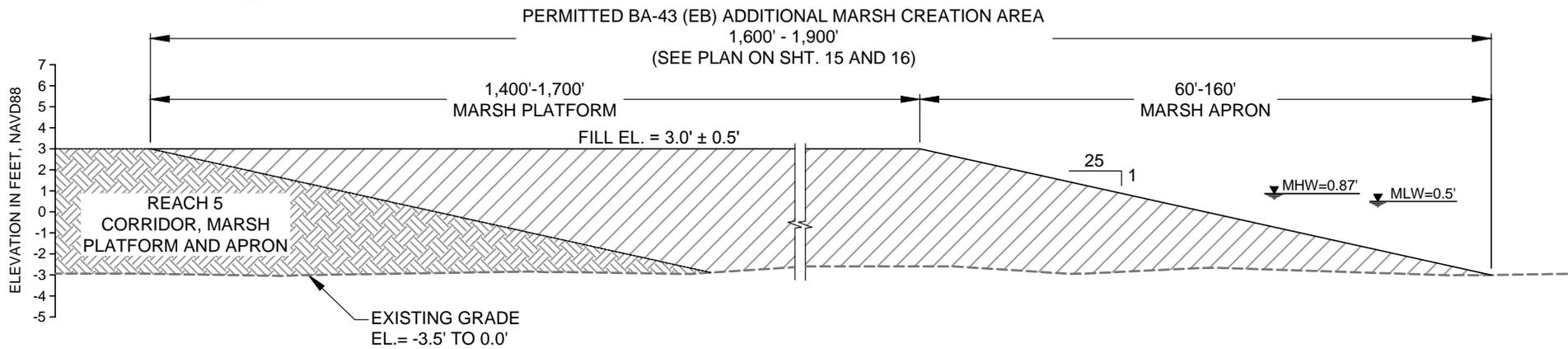
NOTE:
 EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.

**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TYPICAL FILL SECTIONS (SHEET 3 OF 4) PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.			FEDERAL PROJECT NUMBER: N/A	SHEET 26 OF 53



7 TYPICAL FILL SECTION ACROSS ADDITIONAL MARSH CREATION AREA - PERMITTED
17 (SOUTH TO NORTH)



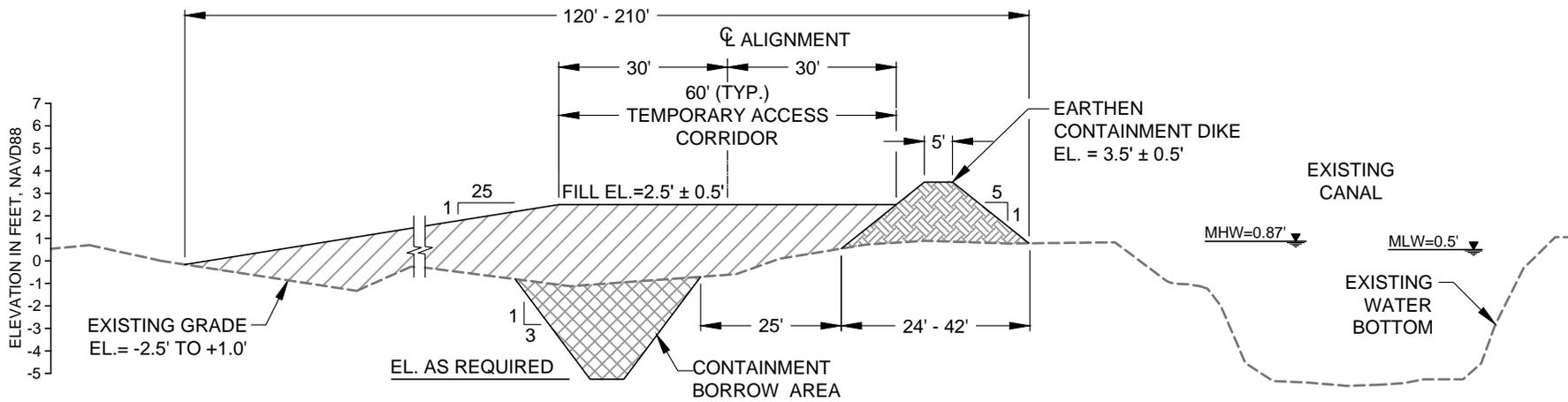
8 TYPICAL FILL SECTION ACROSS ADDITIONAL MARSH CREATION AREA - PERMITTED
17 (WEST TO EAST)



NOTE:
EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.

**NO MODIFICATIONS
MADE TO THIS SHEET**

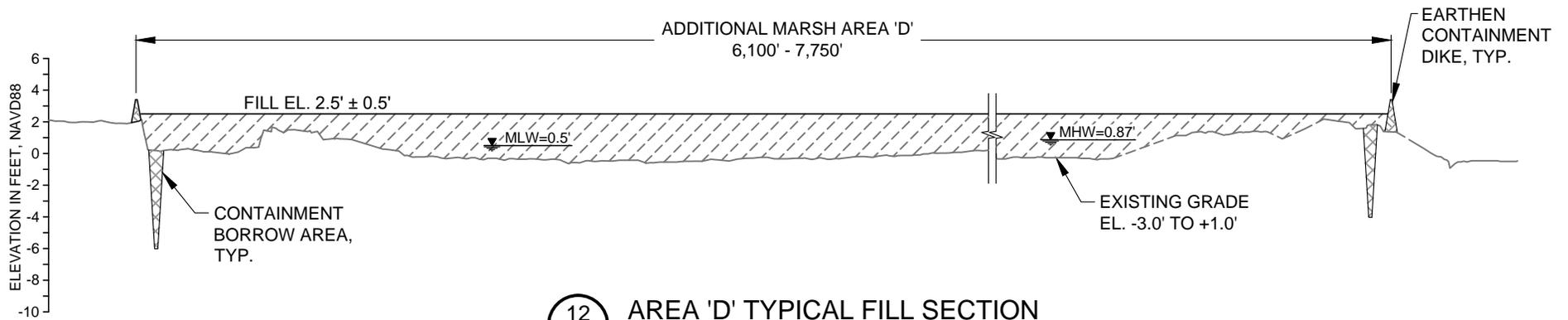
BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TYPICAL FILL SECTIONS (SHEET 4 OF 4) PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 27 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		



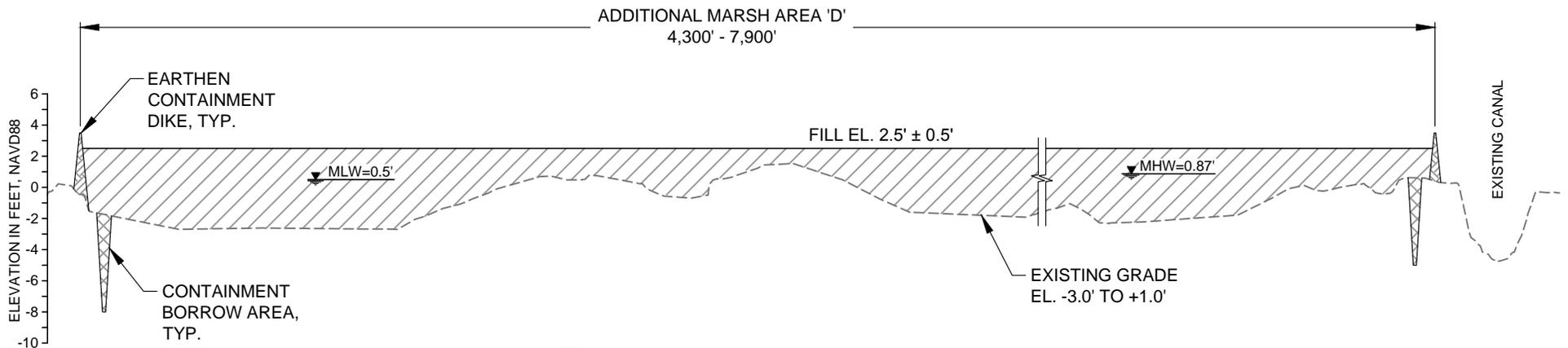
9
18
TEMPORARY ACCESS CORRIDOR TYPICAL SECTION
 (STA. 602+34 TO STA. 656+22)



BY	DESCRIPTION	DATE	 <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</small>	COASTAL PROTECTION & RESTORATION AUTHORITY <small>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</small>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	<div style="border: 1px solid black; padding: 5px; text-align: center;"> PROPOSED TYPICAL FILL SECTIONS (SHEET 1 OF 5) </div>
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 28 OF 53



12
18 **AREA 'D' TYPICAL FILL SECTION**
(NORTHWEST TO SOUTHEAST)

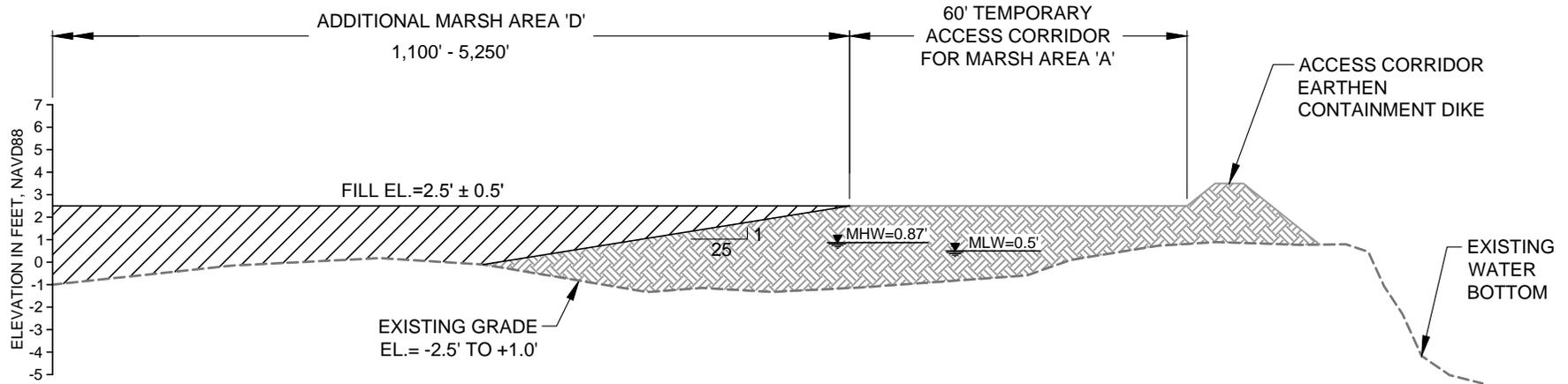


13
18 **AREA 'D' TYPICAL FILL SECTION**
(SOUTHWEST TO NORTHEAST)



NOTE:
EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.

BY	DESCRIPTION	DATE	COASTAL PROTECTION & RESTORATION AUTHORITY		MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PROPOSED TYPICAL FILL SECTIONS (SHEET 2 OF 5)		
			 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793		450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
							FEDERAL PROJECT NUMBER: N/A	SHEET 29 OF 53
DRAWN BY: YC			DESIGNED BY: CW		APPROVED BY: RUSS JOFFRION, P.E.			

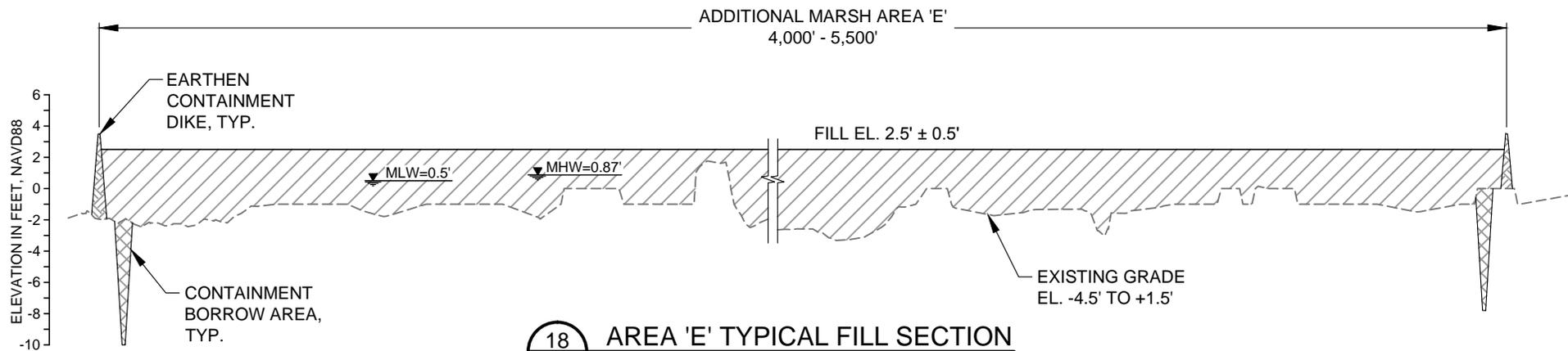


16 AREA 'D' TYPICAL FILL SECTION ADJACENT TO TEMPORARY ACCESS CORRIDOR
19 (SOUTH TO NORTH)

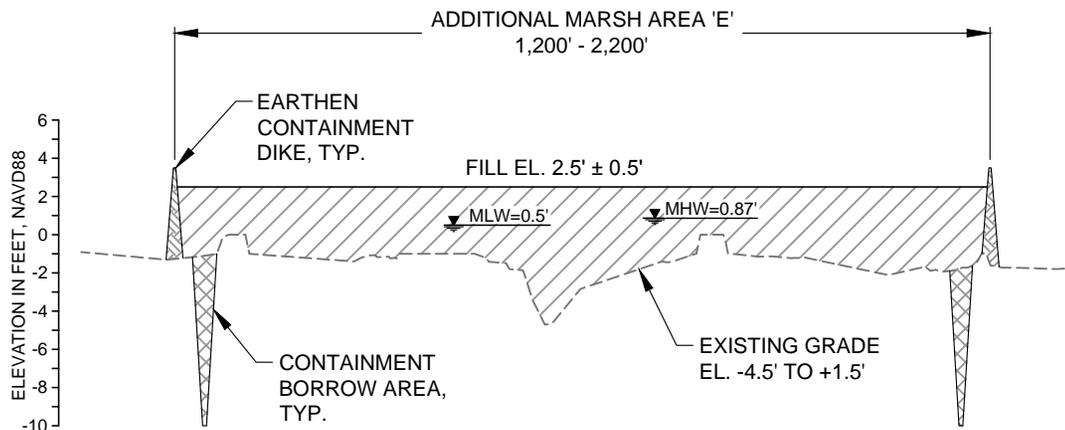
NOTE:
 EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.



BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	838601C030 - PROPOSED TYPICAL FILL SECTIONS (SHEET 3 OF 5)
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET ---- OF 53



18 AREA 'E' TYPICAL FILL SECTION
 20 (WEST TO EAST)

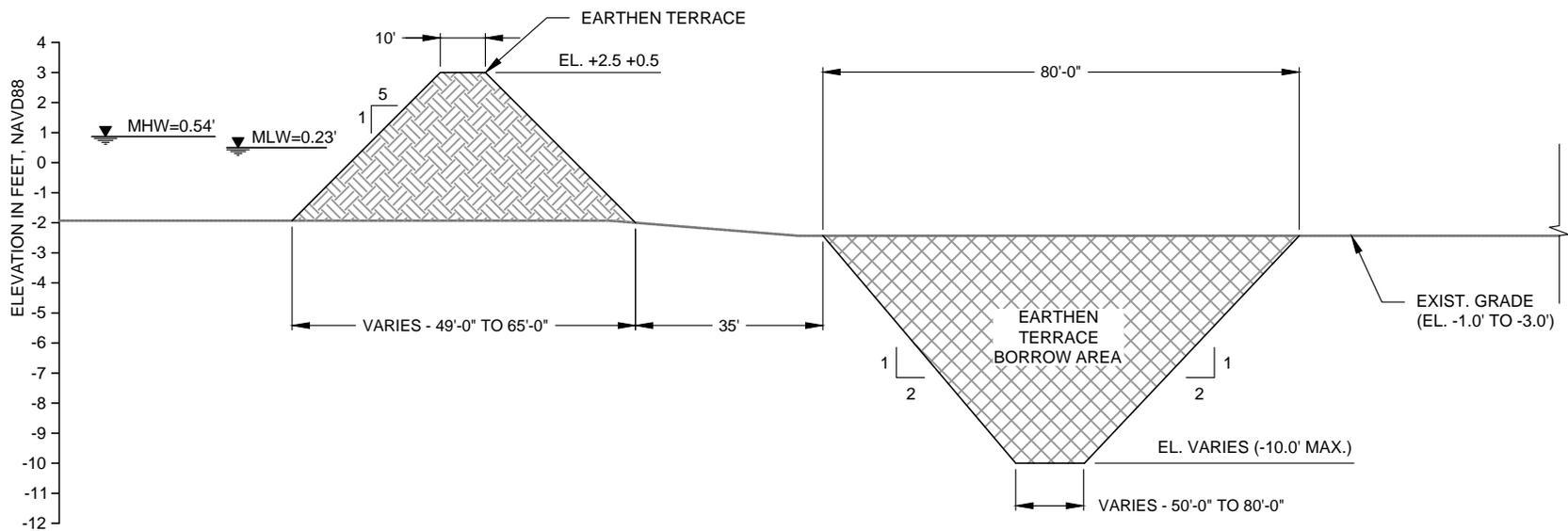


19 AREA 'E' TYPICAL FILL SECTION
 20 (SOUTH TO NORTH)



NOTE:
 EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM JULY 26 THROUGH OCTOBER 10, 2011 BY T. BAKER SMITH, LLC.

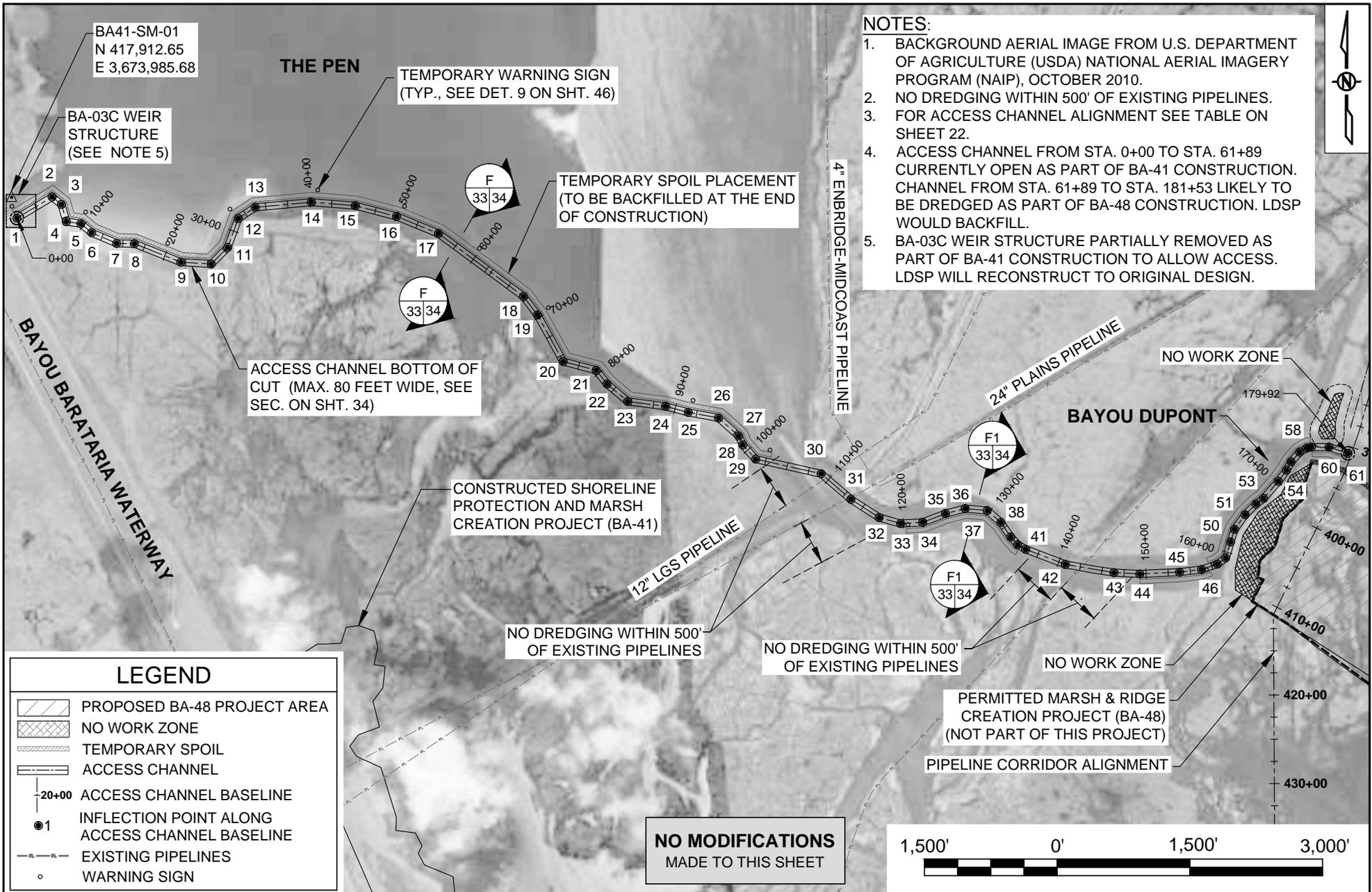
BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	PROPOSED TYPICAL FILL SECTIONS (SHEET 4 OF 5)
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 31 OF 53
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.				



20 AREA 'B' AND AREA 'C' EARTHEN TERRACE TYPICAL SECTION
19



BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	<p>PROPOSED TYPICAL FILL SECTIONS (SHEET 5 OF 5)</p>	
					STATE PROJECT NUMBER: BA-43 (EB)		DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 32 OF 53
DRAWN BY: YC					DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	



- NOTES:**
1. BACKGROUND AERIAL IMAGE FROM U.S. DEPARTMENT OF AGRICULTURE (USDA) NATIONAL AERIAL IMAGERY PROGRAM (NAIP), OCTOBER 2010.
 2. NO DREDGING WITHIN 500' OF EXISTING PIPELINES.
 3. FOR ACCESS CHANNEL ALIGNMENT SEE TABLE ON SHEET 22.
 4. ACCESS CHANNEL FROM STA. 0+00 TO STA. 61+89 CURRENTLY OPEN AS PART OF BA-41 CONSTRUCTION. CHANNEL FROM STA. 61+89 TO STA. 181+53 LIKELY TO BE DREDGED AS PART OF BA-48 CONSTRUCTION. LDSP WOULD BACKFILL.
 5. BA-03C WEIR STRUCTURE PARTIALLY REMOVED AS PART OF BA-41 CONSTRUCTION TO ALLOW ACCESS. LDSP WILL RECONSTRUCT TO ORIGINAL DESIGN.



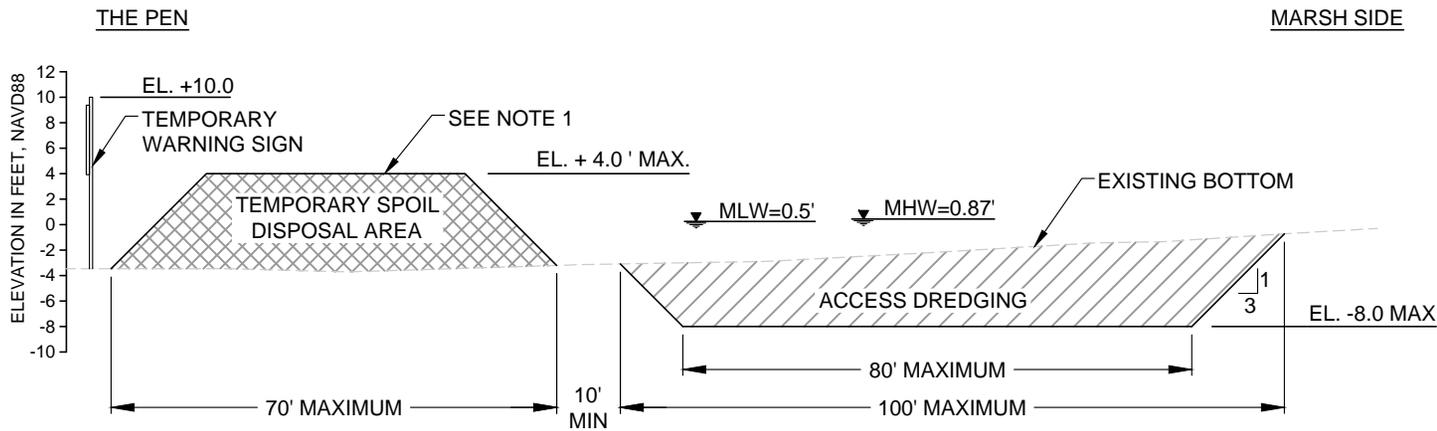
LEGEND

- PROPOSED BA-48 PROJECT AREA
- NO WORK ZONE
- TEMPORARY SPOIL
- ACCESS CHANNEL
- ACCESS CHANNEL BASELINE
- INFLECTION POINT ALONG ACCESS CHANNEL BASELINE
- EXISTING PIPELINES
- WARNING SIGN

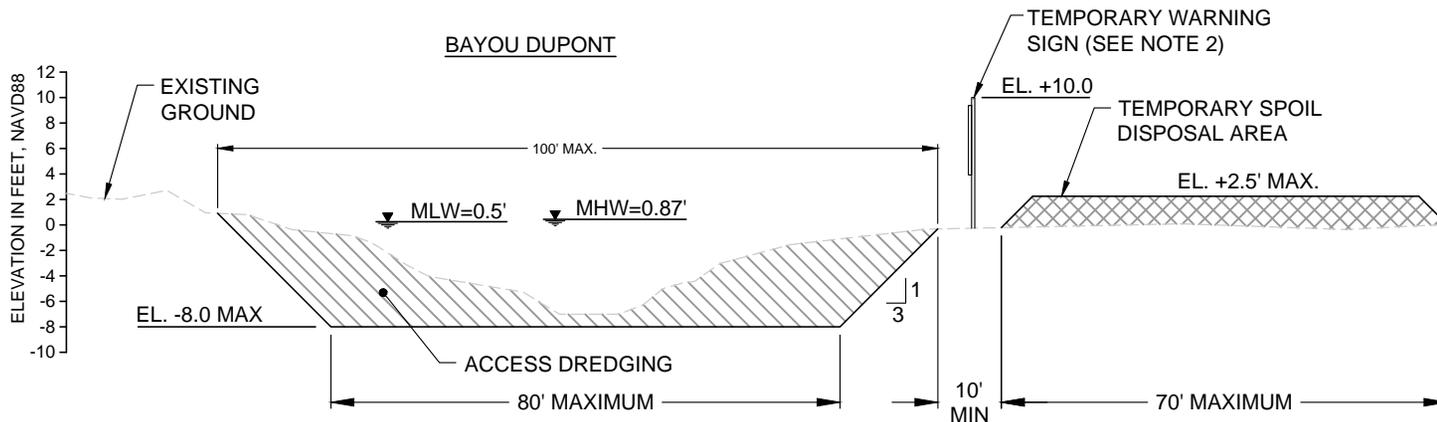
**NO MODIFICATIONS
MADE TO THIS SHEET**



BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	ACCESS CHANNEL LAYOUT - PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 33 OF 53



F
33 TYPICAL ACCESS CHANNEL SECTION @ THE PEN - PERMITTED



F1
33 TYPICAL ACCESS CHANNEL SECTION @ BAYOU DUPONT - PERMITTED

NOTES:

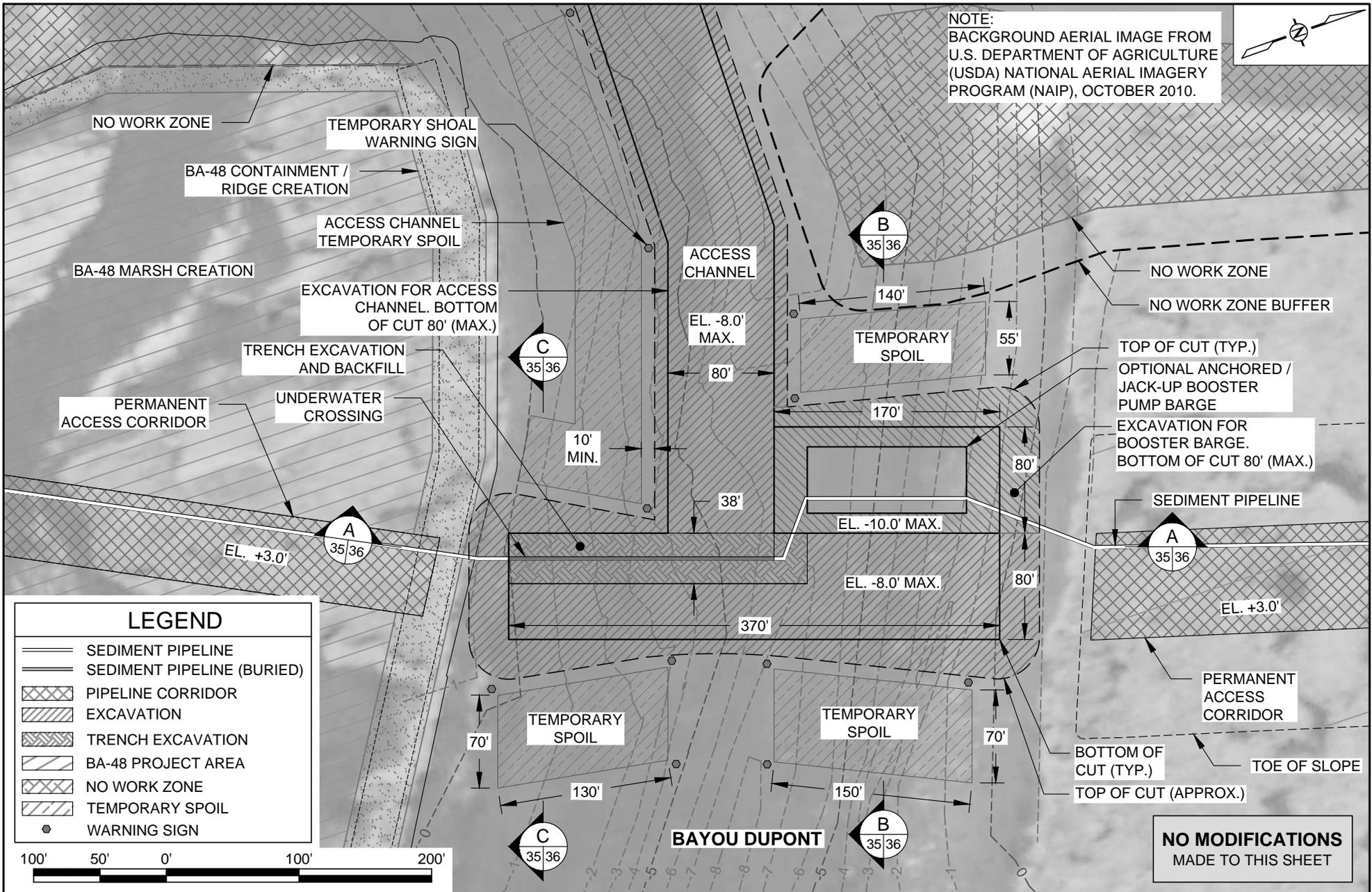
1. MATERIAL EXCAVATED TO CONSTRUCT THE ACCESS CHANNEL SHALL BE PLACED ON THE LAKE SIDE AND PULLED BACK INTO THE ACCESS CHANNEL PRIOR TO FINAL INSPECTION.
2. TEMPORARY WARNING SIGNS SHALL BE PLACED AT A MAXIMUM SPACING OF 500 FT ALONG ALL TEMPORARY SPOIL DISPOSAL AREAS.
3. ACCESS CHANNEL FROM STA. 0+00 TO STA. 61+89 CURRENTLY OPEN AS PART OF BA-41 CONSTRUCTION. CHANNEL FROM STA. 61+89 TO STA. 181+53 LIKELY TO BE DREDGED AS PART OF BA-48 CONSTRUCTION. LDSP WOULD BACKFILL.

**NO MODIFICATIONS
MADE TO THIS SHEET**



BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TYPICAL ACCESS CHANNEL SECTIONS - PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 34 OF 53
DRAWN BY: YC					DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.

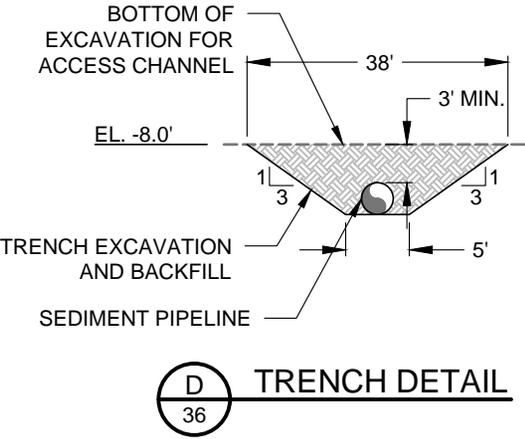
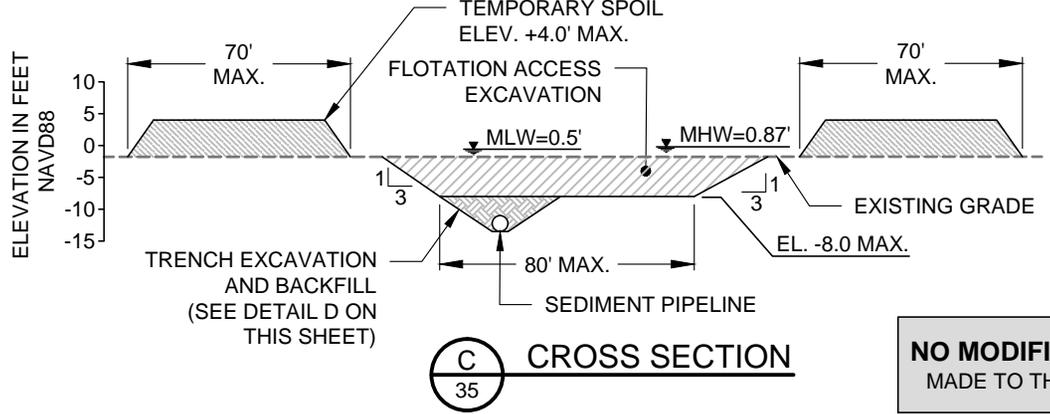
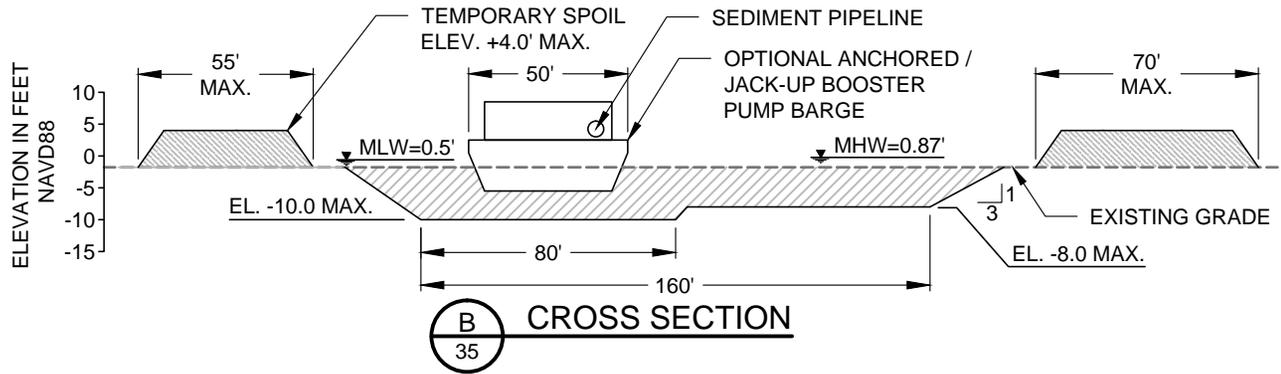
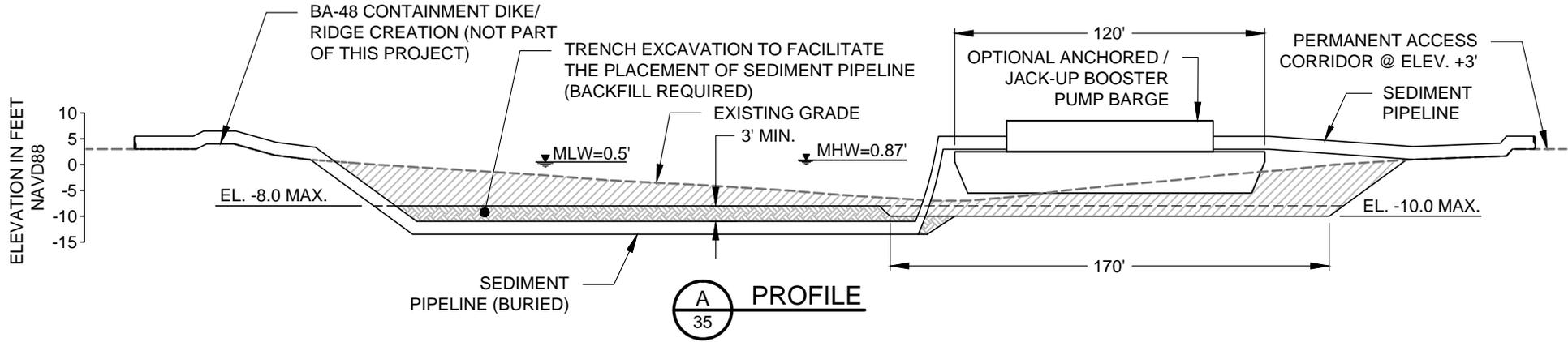
NOTE:
BACKGROUND AERIAL IMAGE FROM
U.S. DEPARTMENT OF AGRICULTURE
(USDA) NATIONAL AERIAL IMAGERY
PROGRAM (NAIP), OCTOBER 2010.



LEGEND	
	SEDIMENT PIPELINE
	SEDIMENT PIPELINE (BURIED)
	PIPELINE CORRIDOR
	EXCAVATION
	TRENCH EXCAVATION
	BA-48 PROJECT AREA
	NO WORK ZONE
	TEMPORARY SPOIL
	WARNING SIGN

**NO MODIFICATIONS
MADE TO THIS SHEET**

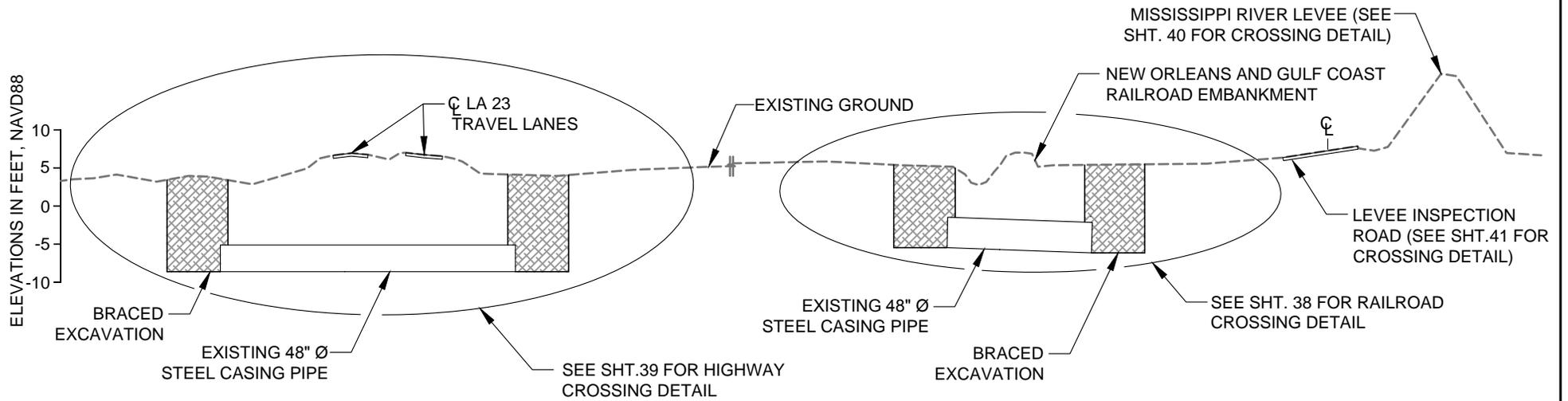
BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793 MOFFATT & NICHOL	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	BAYOU DUPONT CROSSING DETAIL - PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.			FEDERAL PROJECT NUMBER: N/A	SHEET 35 OF 53



**NO MODIFICATIONS
MADE TO THIS SHEET**



BY	DESCRIPTION	DATE	COASTAL PROTECTION & RESTORATION AUTHORITY		MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	BAYOU DUPONT BOOSTER PUMP SITE TYPICAL DETAILS - PERMITTED	
			 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793		450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		
					STATE PROJECT NUMBER: BA-43 (EB)		DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A		SHEET 36 OF 53
DRAWN BY: YC			DESIGNED BY: CW		APPROVED BY: RUSS JOFFRION, P.E.		

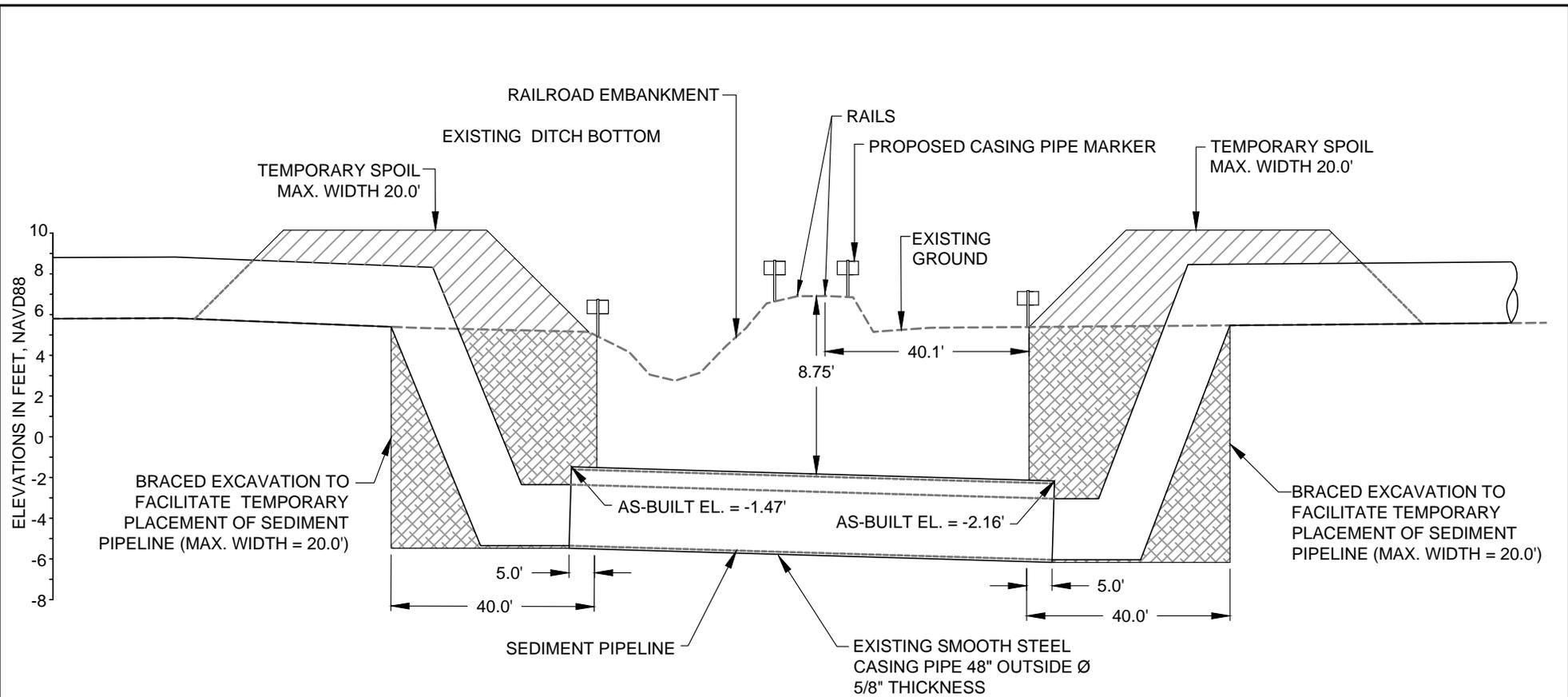


G-G
21
DREDGE PIPELINE CORRIDOR SECTION



**NO MODIFICATIONS
MADE TO THIS SHEET**

	DESCRIPTION	DATE	<p style="font-size: 8px; margin-top: 5px;"> ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793 </p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p style="font-size: 8px;"> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 </p>	<p>MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE</p>	<p>DREDGE PIPELINE CORRIDOR SECTION - PERMITTED</p>	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 37 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		



1
21

RAILROAD CROSSING DETAIL

**NO MODIFICATIONS
MADE TO THIS SHEET**

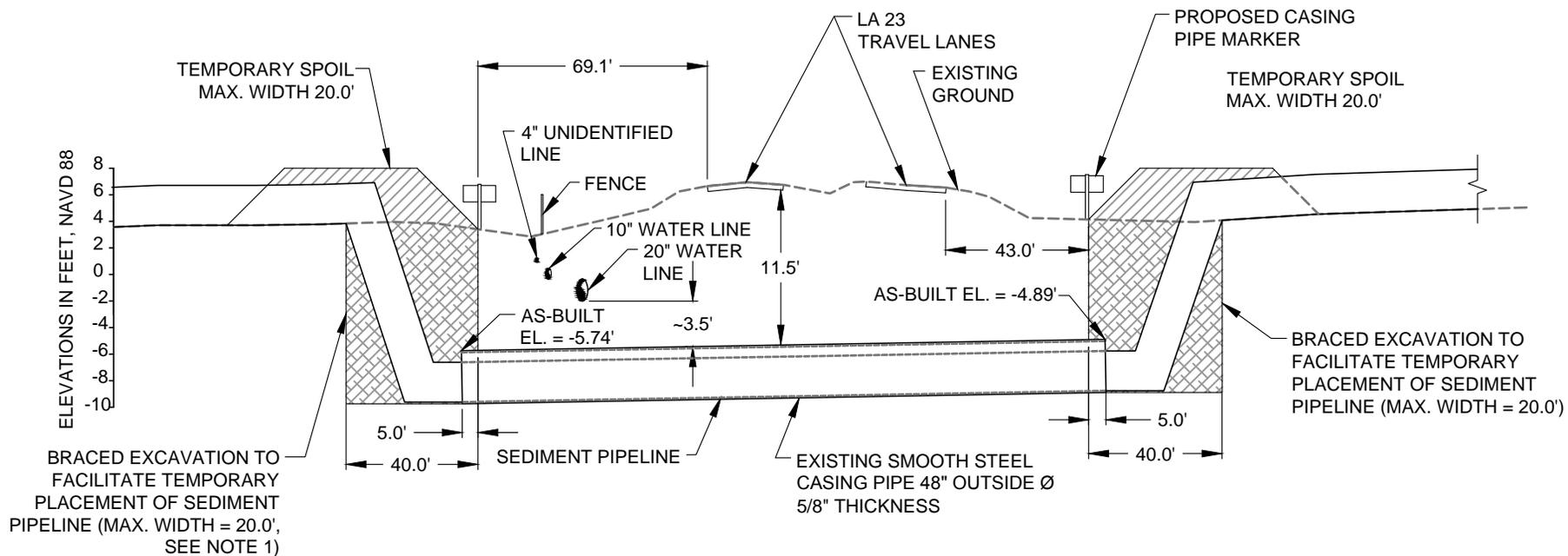
NOTES:

1. TEMPORARY SPOIL SHALL BE PLACED ADJACENT THE EXCAVATION ON BOTH SIDES.
2. THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO EXCAVATION AFTER COMPLETION OF CONSTRUCTION.

LEGEND	
	TEMPORARY SPOIL
	BRACED EXCAVATION
	EXISTING GROUND



BY	DESCRIPTION	DATE	<p style="font-size: small; margin: 0;">ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p style="font-weight: bold; font-size: large;">COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p style="font-size: small; margin: 0;">450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	<p style="font-weight: bold; font-size: large;">MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE</p>	<p style="font-weight: bold; font-size: large;">RAILROAD CROSSING DETAIL - PERMITTED</p>	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 38 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		



2 HIGHWAY CROSSING DETAIL
21

**NO MODIFICATIONS
MADE TO THIS SHEET**

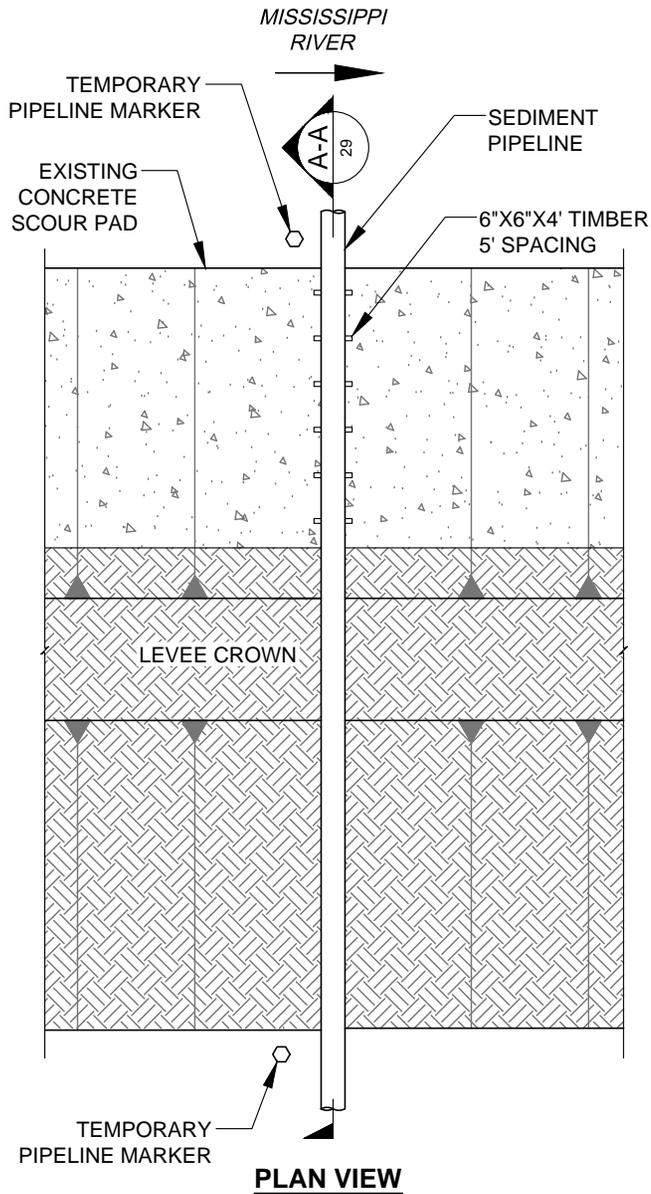
NOTES:

1. TEMPORARY SPOIL SHALL BE PLACED ADJACENT THE EXCAVATION ON BOTH SIDES.
2. THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO EXCAVATION AFTER COMPLETION OF CONSTRUCTION.

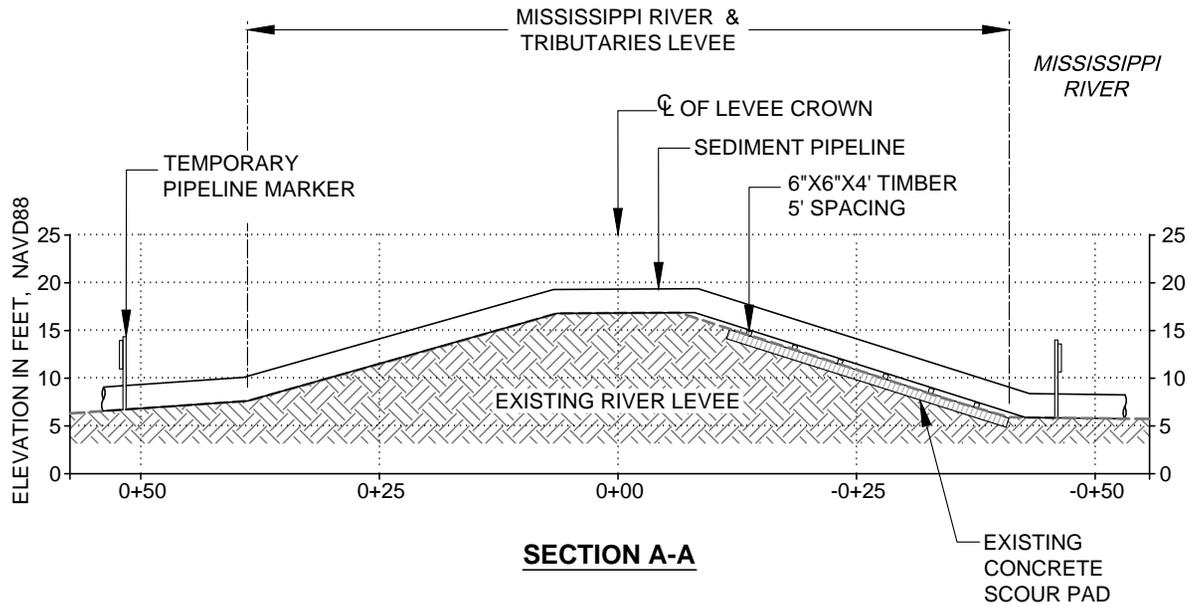
LEGEND	
	TEMPORARY SPOIL
	BRACED EXCAVATION
	EXISTING GROUND



	DESCRIPTION	DATE	<p style="font-size: small; margin: 0;">ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	COASTAL PROTECTION & RESTORATION AUTHORITY	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	HIGHWAY CROSSING DETAIL - PERMITTED
				450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC	DESIGNED BY: CW			APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 39 OF 53



PLAN VIEW



SECTION A-A

3 MISSISSIPPI RIVER LEVEE CROSSING DETAIL
 21 SCALE: 1"=20'

NOTES:

1. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF LEVEE NEAR SEDIMENT PIPELINE.
2. EXISTING GRADE BASED ON JANUARY 2012 TBS SURVEY.

**NO MODIFICATIONS
MADE TO THIS SHEET**



BY	DESCRIPTION	DATE



ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70825
 225-927-7793

**COASTAL PROTECTION & RESTORATION
AUTHORITY**

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

**MISSISSIPPI RIVER
LONG DISTANCE SEDIMENT PIPELINE**

STATE PROJECT NUMBER: BA-43 (EB)

FEDERAL PROJECT NUMBER: N/A

**MISSISSIPPI RIVER
LEVEE CROSSING
DETAIL - PERMITTED**

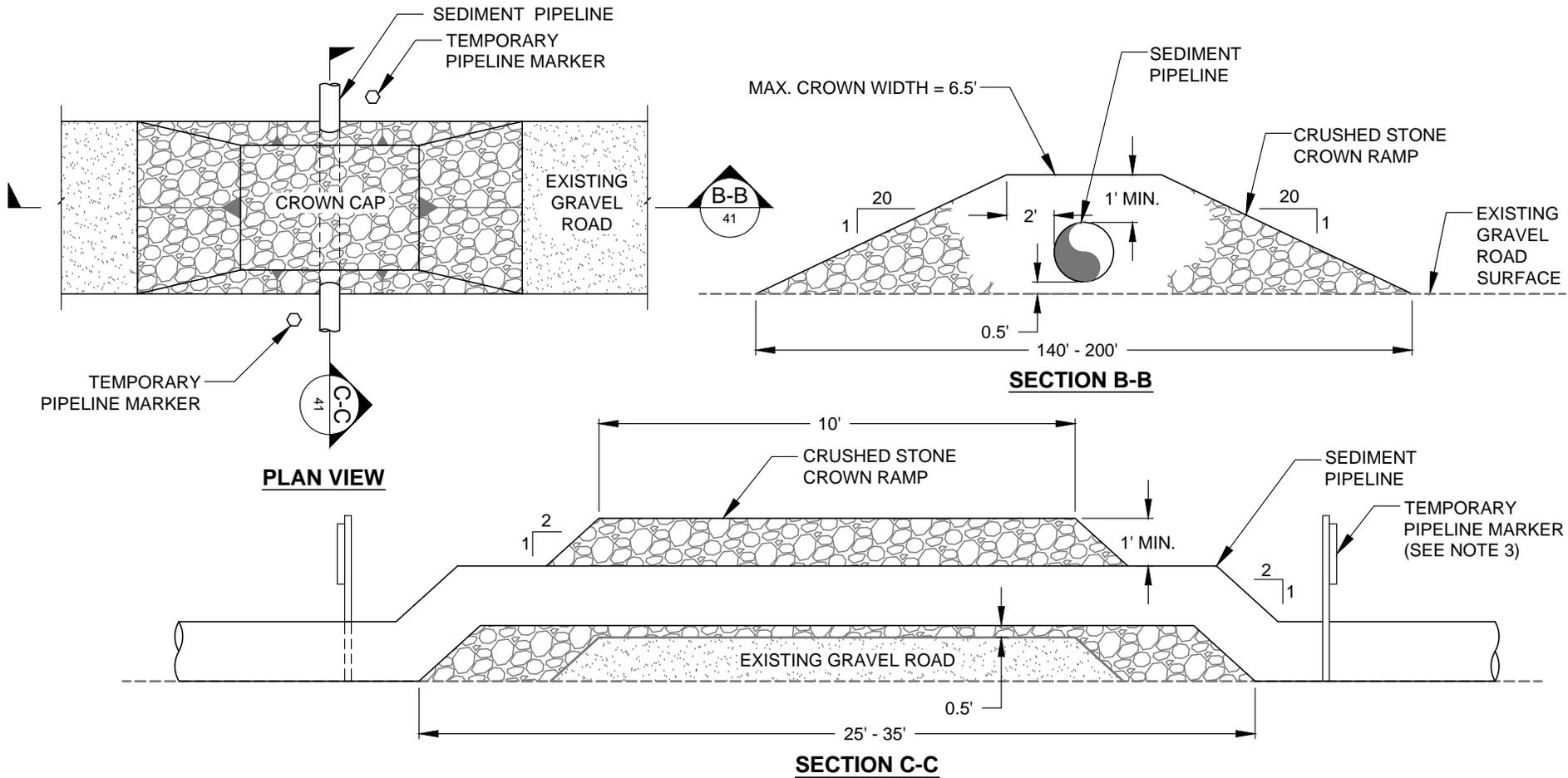
DATE: MARCH, 2015

DRAWN BY: YC

DESIGNED BY: CW

APPROVED BY: RUSS JOFFRION, P.E.

SHEET 40 OF 53



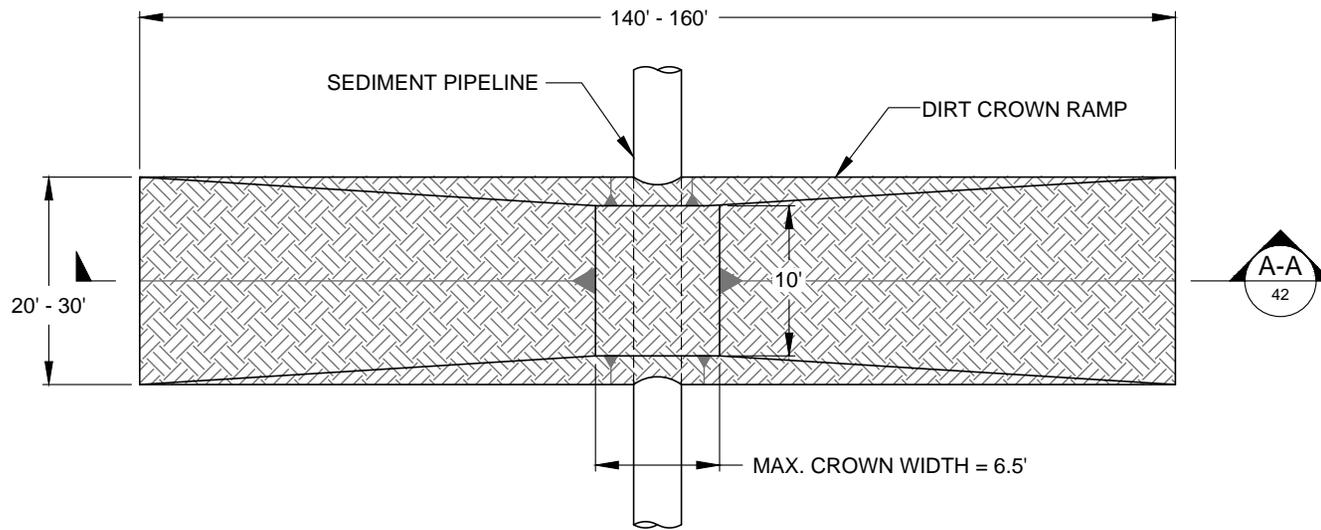
4
21
MISSISSIPPI RIVER LEVEL INSPECTION ROAD CROSSING DETAIL
 NOT TO SCALE

NOTES:

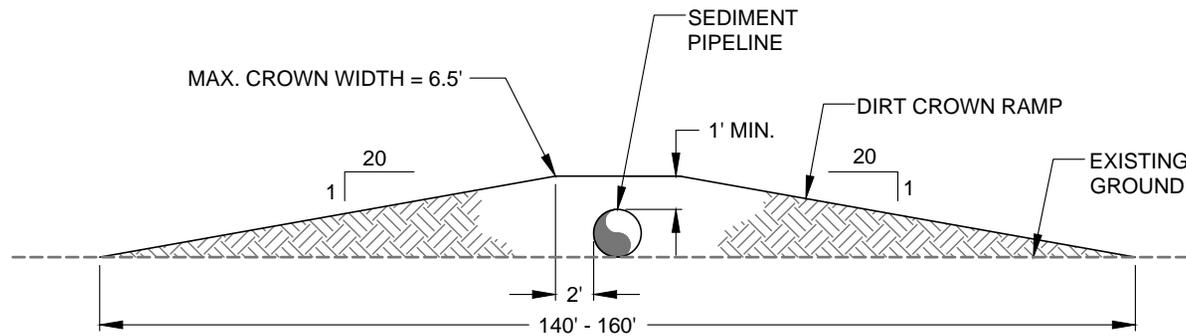
1. MISSISSIPPI RIVER LEVEL INSPECTION ROAD IS AT THE LANDSIDE TOE OF THE MISSISSIPPI RIVER LEVEL.
2. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO DOTD 5006 SPECIFICATION 1003.04 (a).
3. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF LEVEL NEAR SEDIMENT PIPELINE.

**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</small>	COASTAL PROTECTION & RESTORATION AUTHORITY <small>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</small>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	MISSISSIPPI RIVER LEVEL INSPECTION ROAD CROSSING DETAIL - PERMITTED	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 41 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		



PLAN VIEW

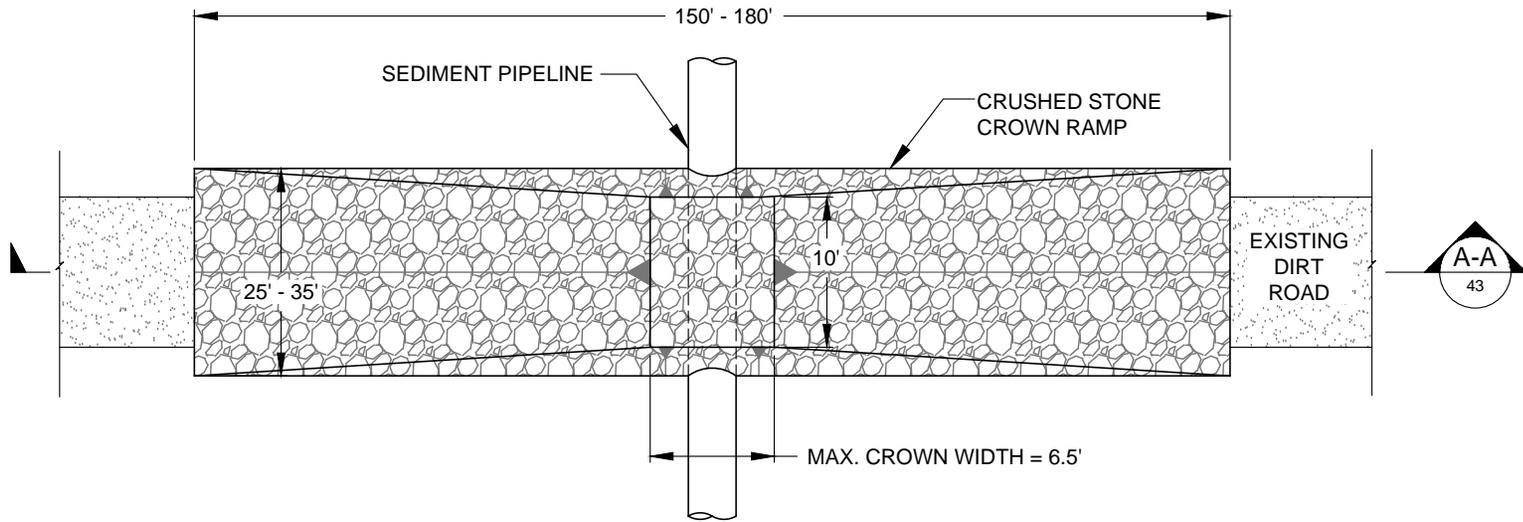


SECTION A-A

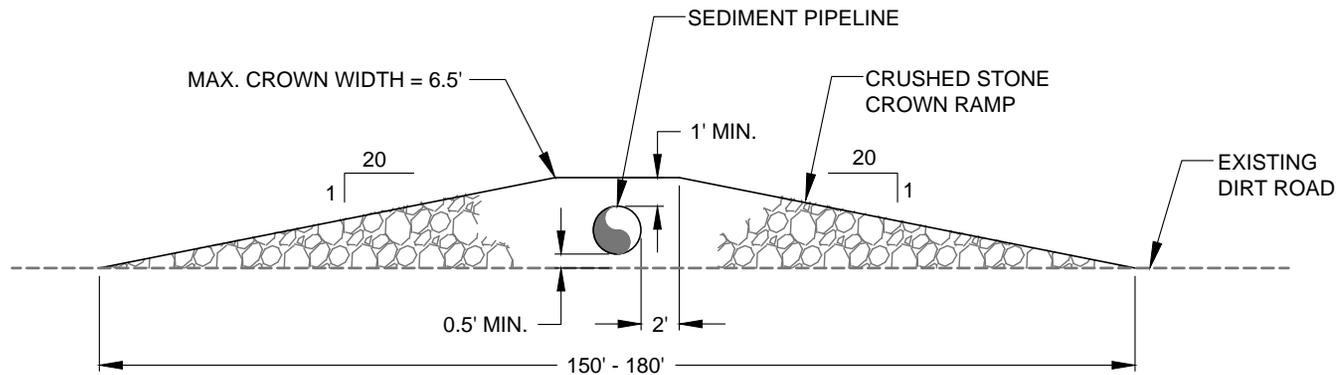
5 **CATTLE CROSSING DETAIL**
14 NOT TO SCALE

**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	COASTAL PROTECTION & RESTORATION AUTHORITY		MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	CATTLE CROSSING DETAIL - PERMITTED
			 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 42 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		



PLAN VIEW



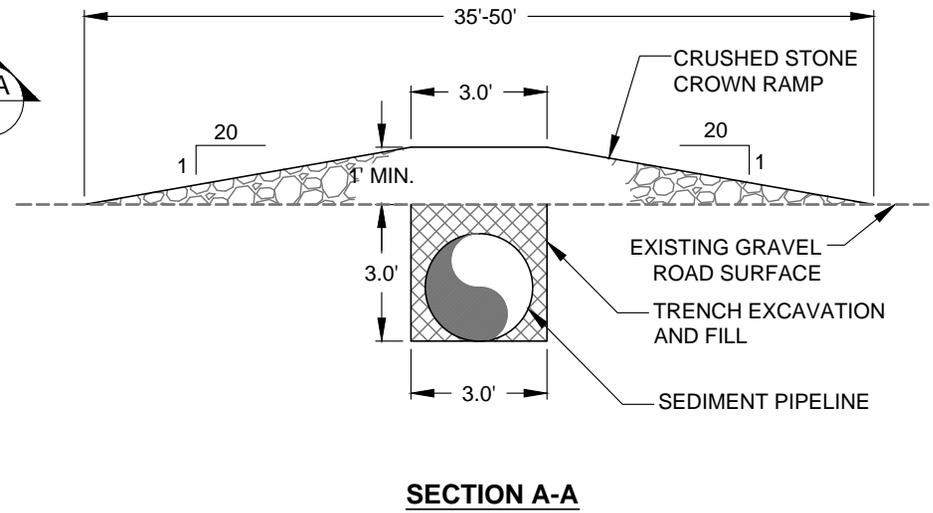
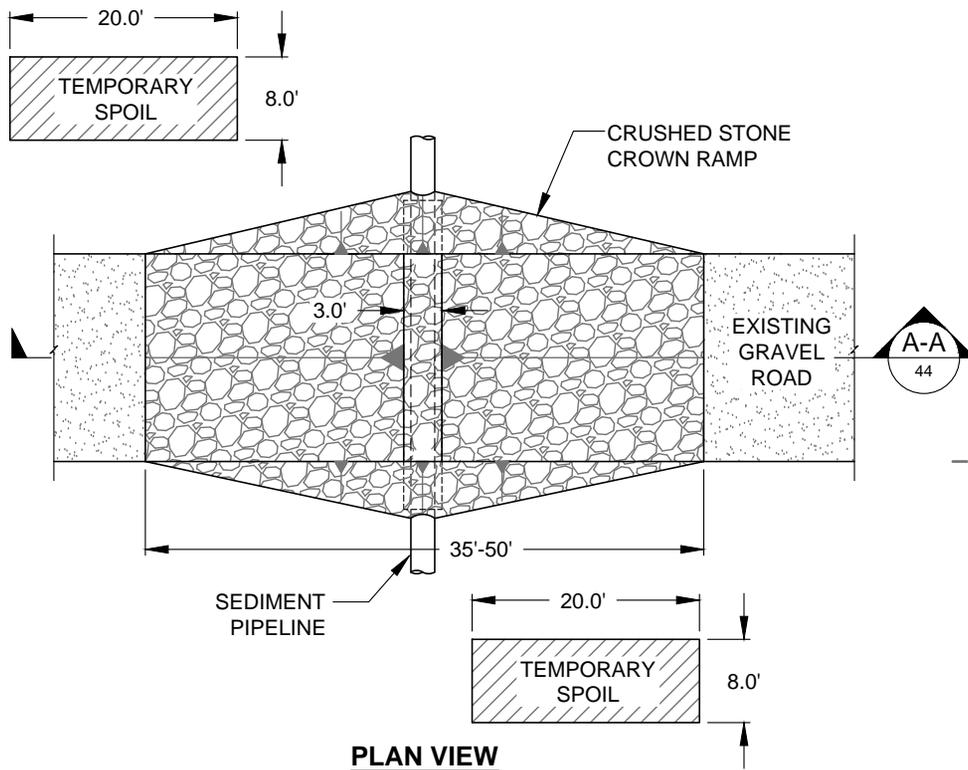
SECTION A-A

NOTE:
 THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO DOTD 5006 SPECIFICATION 1003.04 (a).

6 DIRT ROAD CROSSING DETAIL
 14 NOT TO SCALE

**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	COASTAL PROTECTION & RESTORATION AUTHORITY		MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	DIRT ROAD CROSSING DETAIL - PERMITTED
			 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
					FEDERAL PROJECT NUMBER: N/A	SHEET 43 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		

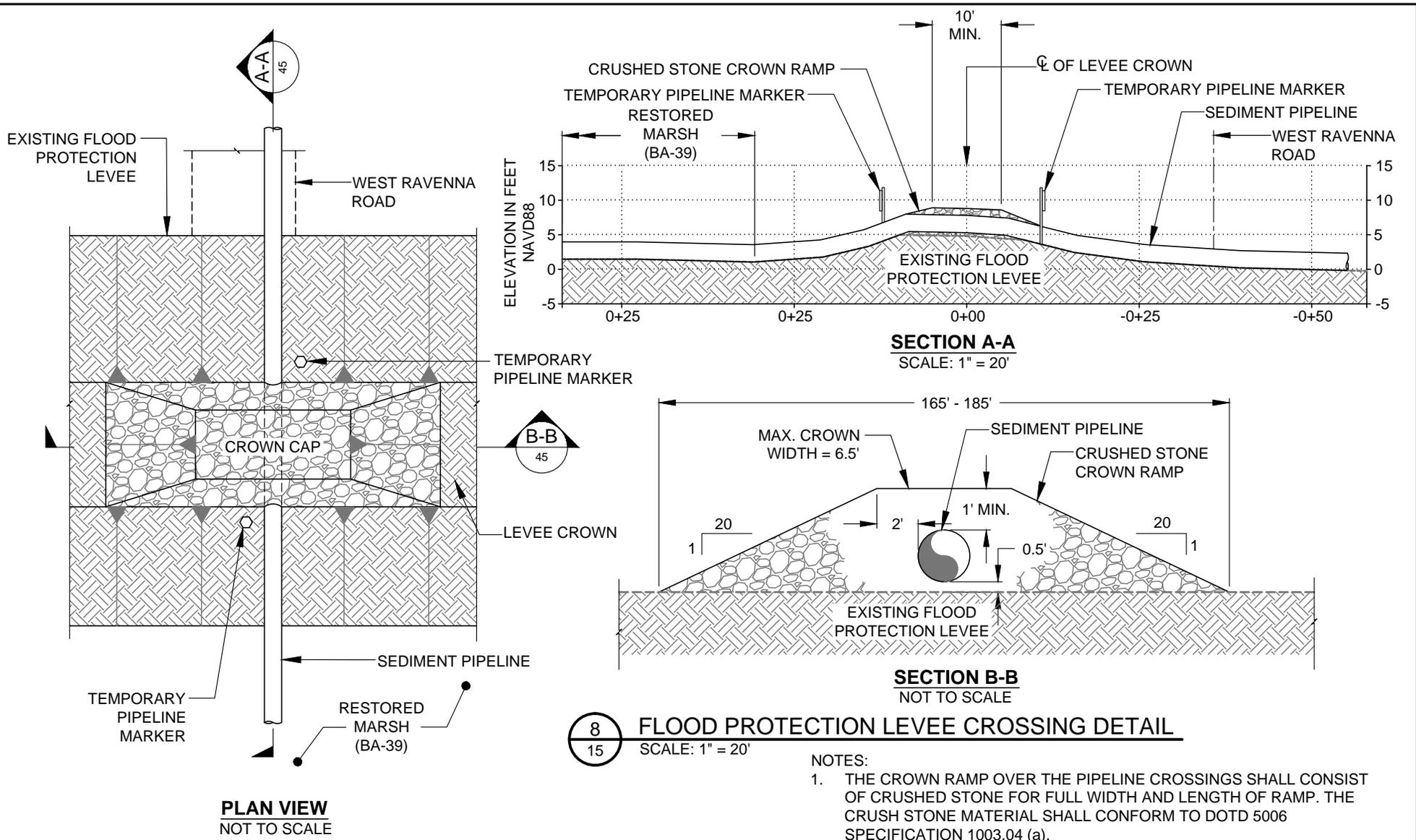


7 GRAVEL ROAD CROSSING DETAIL
 15 NOT TO SCALE

NOTE:
 THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO DOTD 5006 SPECIFICATION 1003.04 (a).

**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	GRAVEL ROAD CROSSING DETAIL - PERMITTED	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 44 OF 53
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.					



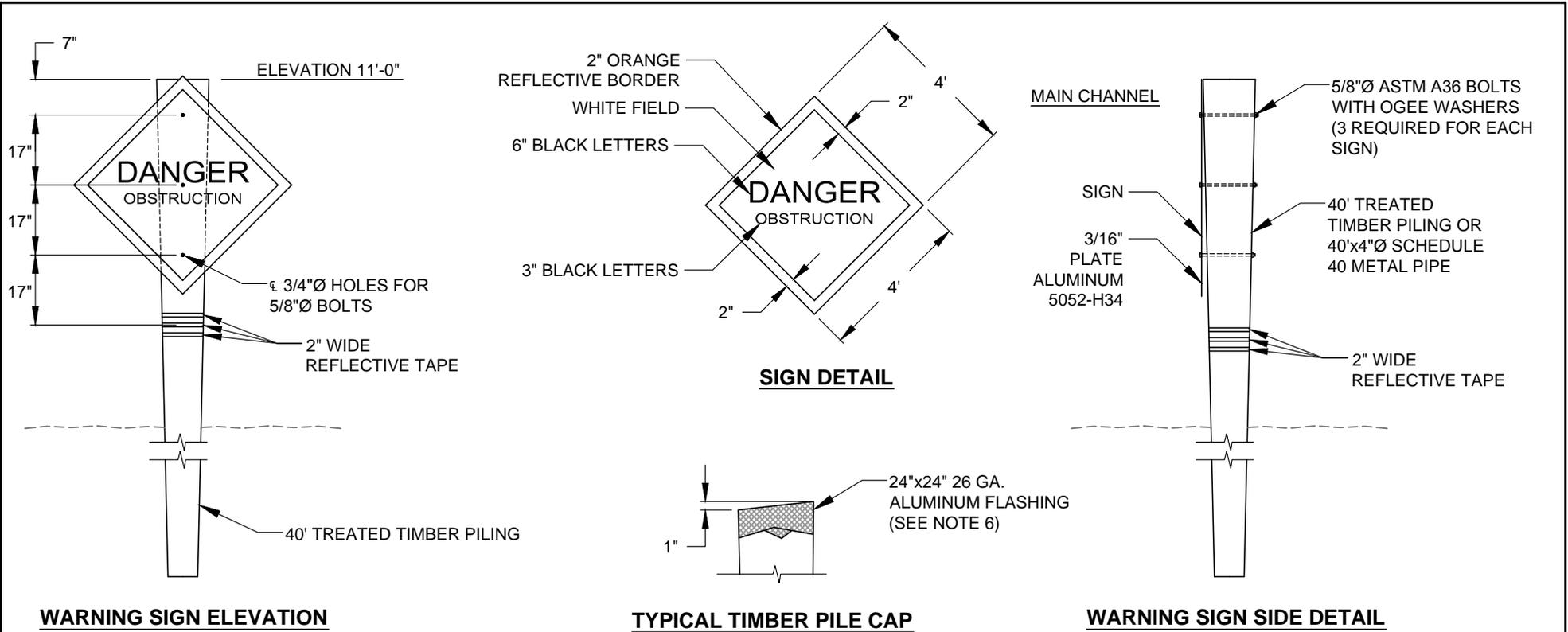
8
15 **FLOOD PROTECTION LEVEE CROSSING DETAIL**
SCALE: 1" = 20'

- NOTES:
1. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSH STONE MATERIAL SHALL CONFORM TO DOTD 5006 SPECIFICATION 1003.04 (a).
 2. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF THE LEVEE NEAR SEDIMENT PIPELINE.
 3. EXISTING GRADE BASED ON JANUARY 2012 TBS SURVEY.

NO MODIFICATIONS
MADE TO THIS SHEET



BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	FLOOD PROTECTION LEVEE CROSSING DETAIL - PERMITTED
					STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.			FEDERAL PROJECT NUMBER: N/A	SHEET 45 OF 53



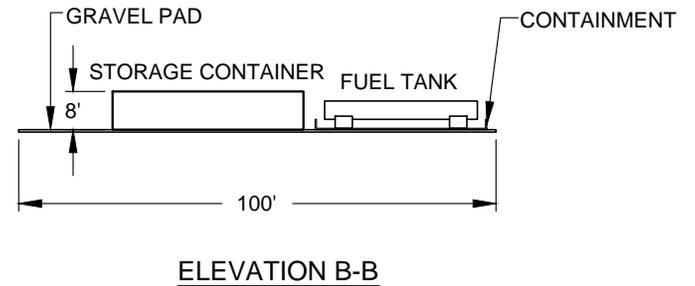
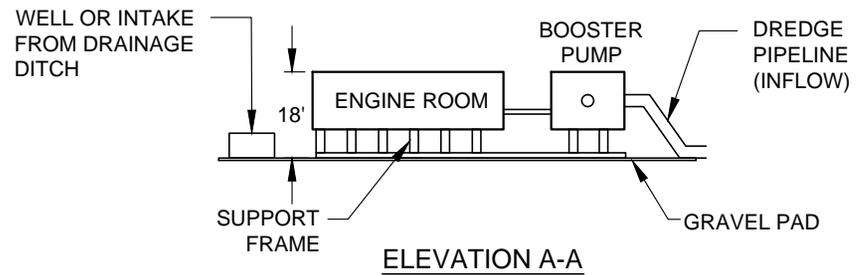
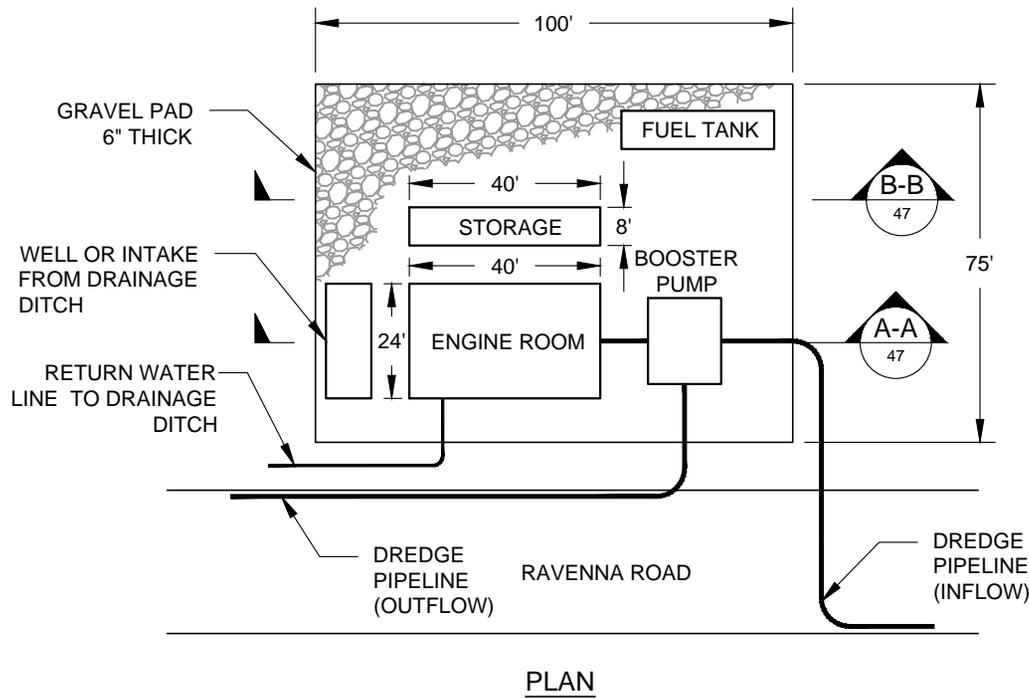
9
33 **TEMPORARY WARNING SIGN DETAILS**
NOT TO SCALE

**NO MODIFICATIONS
MADE TO THIS SHEET**

WARNING SIGN NOTES

1. TWENTY-FIVE (25) TEMPORARY WARNING SIGNS, INCLUDING TIMBER PILES, SHALL BE INSTALLED AT LOCATIONS SHOWN ON SHEETS 21 AND 23. THE 2" BORDER ON THE WARNING SIGN WILL BE REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD WILL BE A REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGNS WILL BE BLACK. ALL SIGNS MUST MEET U.S. COAST GUARD STANDARDS; IN ACCORDANCE WITH 33 CFR 330.4 (a)(1) WHICH CAN BE DOWNLOADED AT http://www.access.gpo.gov/nara/cfr/waisidx_0233cfr330_02.html
2. NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE SIGN AND THE PILING AT ALL POINTS OF CONTACT.
3. HARDWARE FOR TIMBER CONNECTIONS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SECTION 811.5 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION.
4. TIMBER PILES SHALL CONFORM TO SECTIONS 804 AND 1014 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION. PILES SHALL BE TREATED WITH A CREOSOTE SOLUTION CONFORMING TO AWPAC P2 TO A MINIMUM RETENTION OF 20 PCF AND CAPPED ACCORDING TO LA DOTD SPECIFICATION 812.06.
5. TIMBER PILING SHALL BE 40' IN LENGTH WITH A NOMINAL 12" DIAMETER BUTT AND 7" MINIMUM DIAMETER AT THE TIP.
6. THE TOP OF THE PILES SHALL BE COATED WITH COAL TAR EPOXY PAINT PRIOR TO PLACING CAP. THE PILE CAP SHALL BE ATTACHED USING ALUMINUM OR STAINLESS STEEL NAILS.

	DESCRIPTION	DATE	<p style="font-size: small; margin-top: 5px;">ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p style="font-size: x-small;">450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TEMPORARY SHOAL WARNING SIGN DETAILS - PERMITTED	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 46 OF 53
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.			

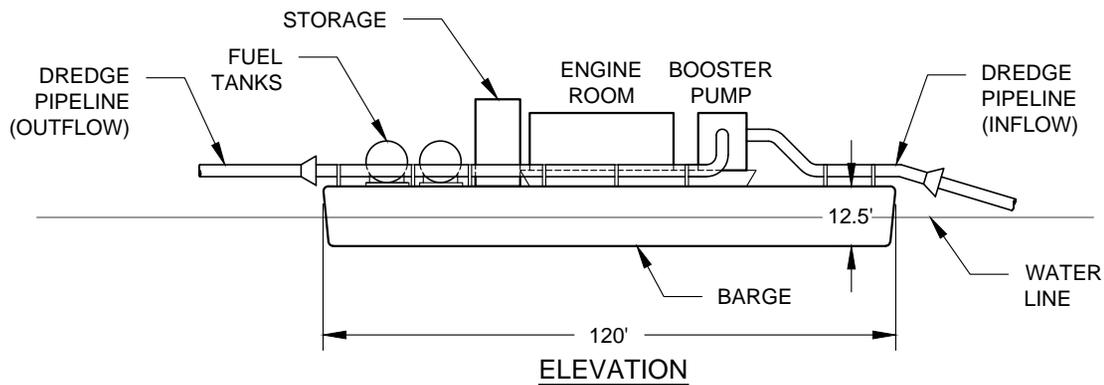
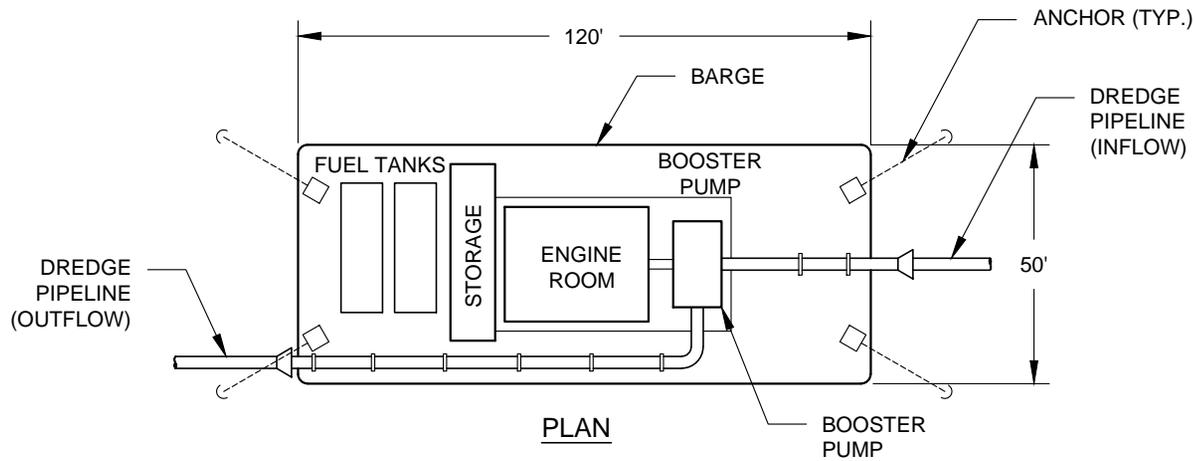


10
15
LANDSIDE BOOSTER PUMP DETAILS
 NOT TO SCALE

NOTE:
TYPICAL LANDSIDE BOOSTER SETUP. ACTUAL MAY VARY.

**NO MODIFICATIONS
MADE TO THIS SHEET**

	BY	DESCRIPTION	DATE	 <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</small>	COASTAL PROTECTION & RESTORATION AUTHORITY <small>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</small>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	LANDSIDE BOOSTER PUMP PLAN AND ELEVATIONS - PERMITTED
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 47 OF 53
DRAWN BY: YC				DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.		

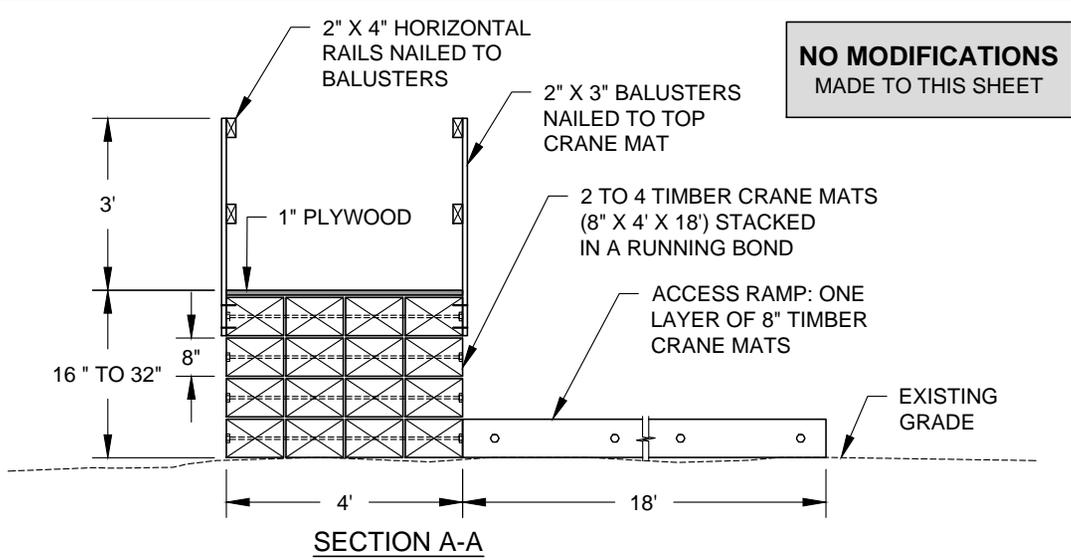
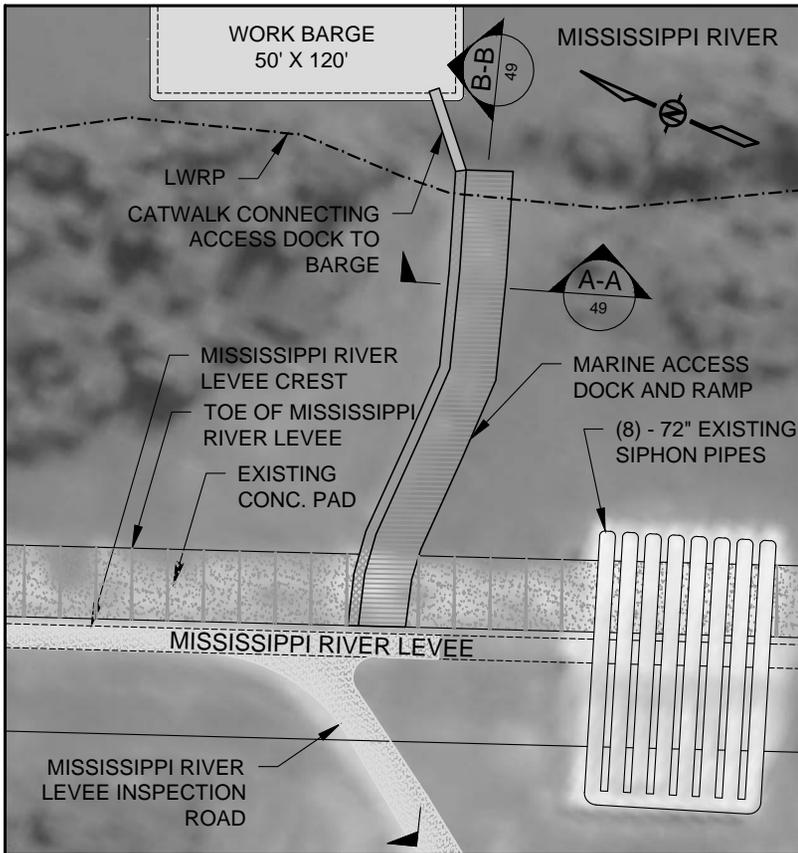


11
21 **FLOATING BOOSTER PUMP DETAILS**
NOT TO SCALE

NOTE:
TYPICAL FLOATING BOOSTER SETUP.
ACTUAL MAY VARY.

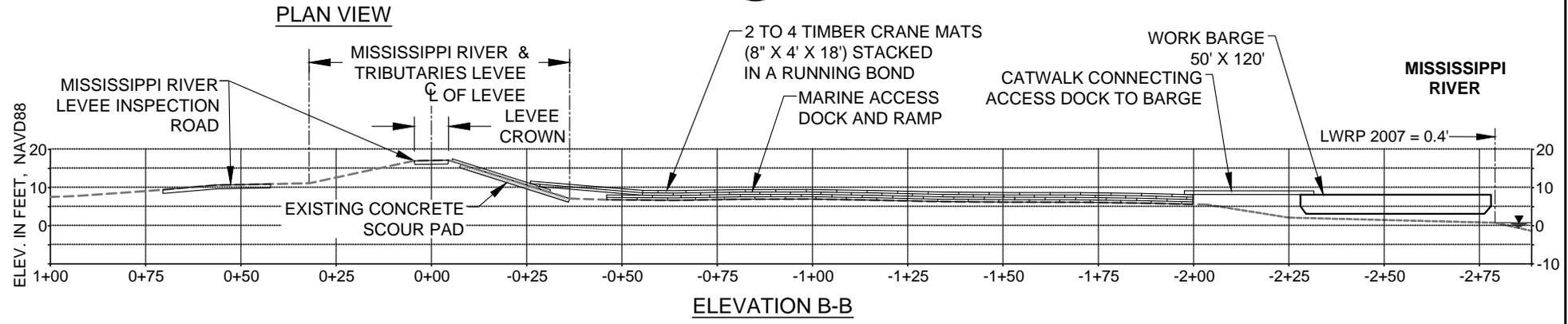
**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	FLOATING BOOSTER PUMP PLAN AND ELEVATIONS - PERMITTED	
						STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
						FEDERAL PROJECT NUMBER: N/A	SHEET 48 OF 53
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.					

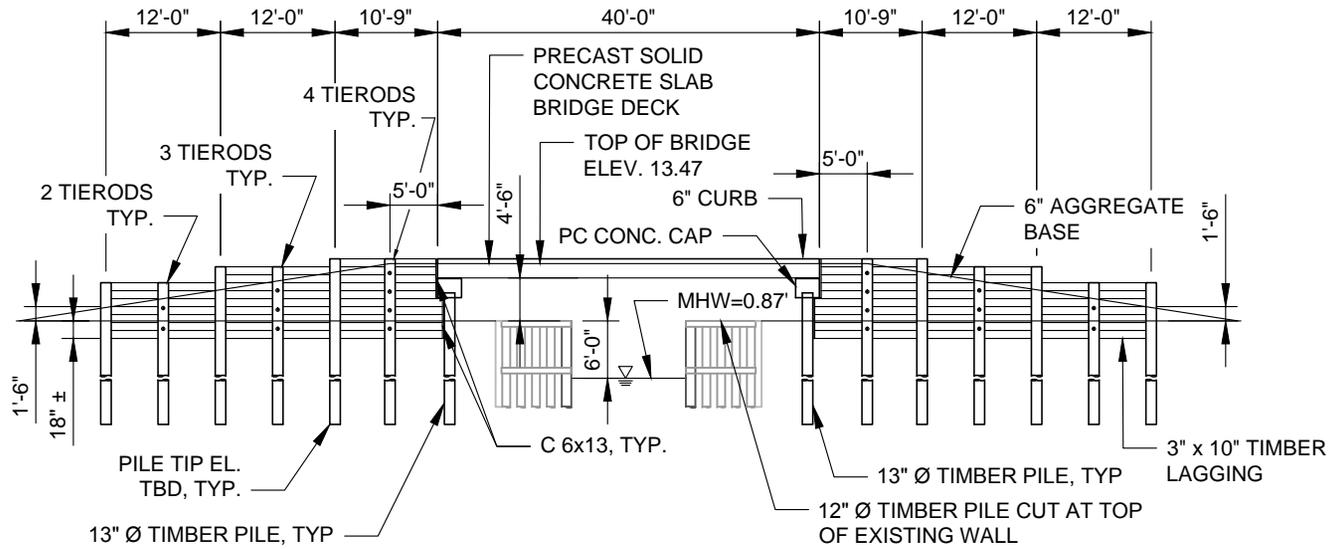


- NOTES:
1. EXISTING GRADES BASED ON JANUARY 2012 TBS SURVEY.
 2. TEMPORARY MARINE ACCESS DOCK WILL BE PLACED TO FACILITATE CONSTRUCTION PERSONNEL ACCESS TO THE MISSISSIPPI RIVER.
 3. ACCESS DOCK DETAILS BASED ON BA-39 PROJECT CONSTRUCTION. ACTUAL DETAILS MAY VARY BUT WILL HAVE TO BE INCLUDED IN THE CONTRACTOR'S WORK PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION AND PLACED WITHIN THE CONSTRUCTION LIMITS.
 4. ACCESS DOCK TO BE COMPLETELY REMOVED AFTER PROJECT IS COMPLETE.

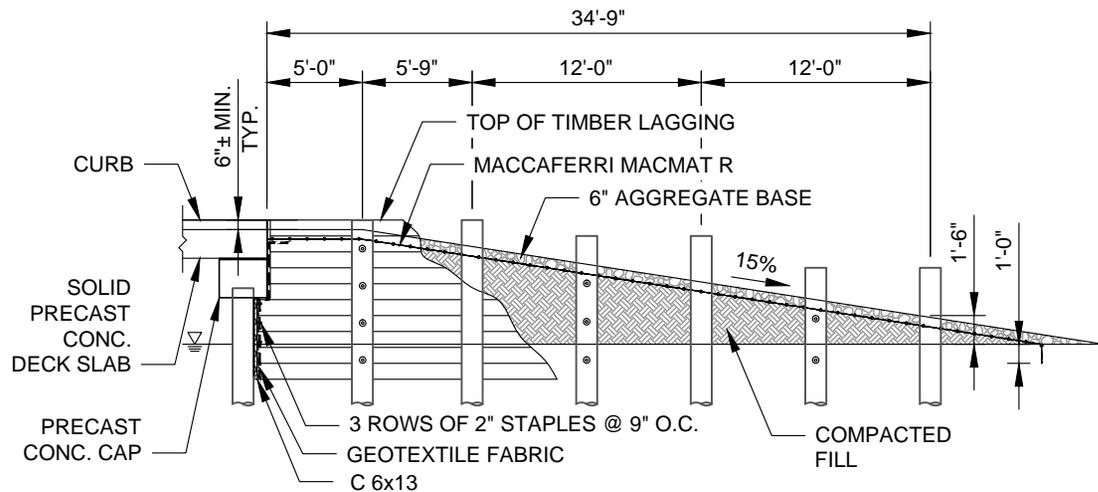
12 TEMPORARY MARINE ACCESS DOCK DETAILS
 21 NOT TO SCALE



BY	DESCRIPTION	DATE	 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793	COASTAL PROTECTION & RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TEMPORARY MARINE ACCESS DOCK DETAILS - PERMITTED
						STATE PROJECT NUMBER: BA-43 (EB)
DRAWN BY: YC			DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 49 OF 53



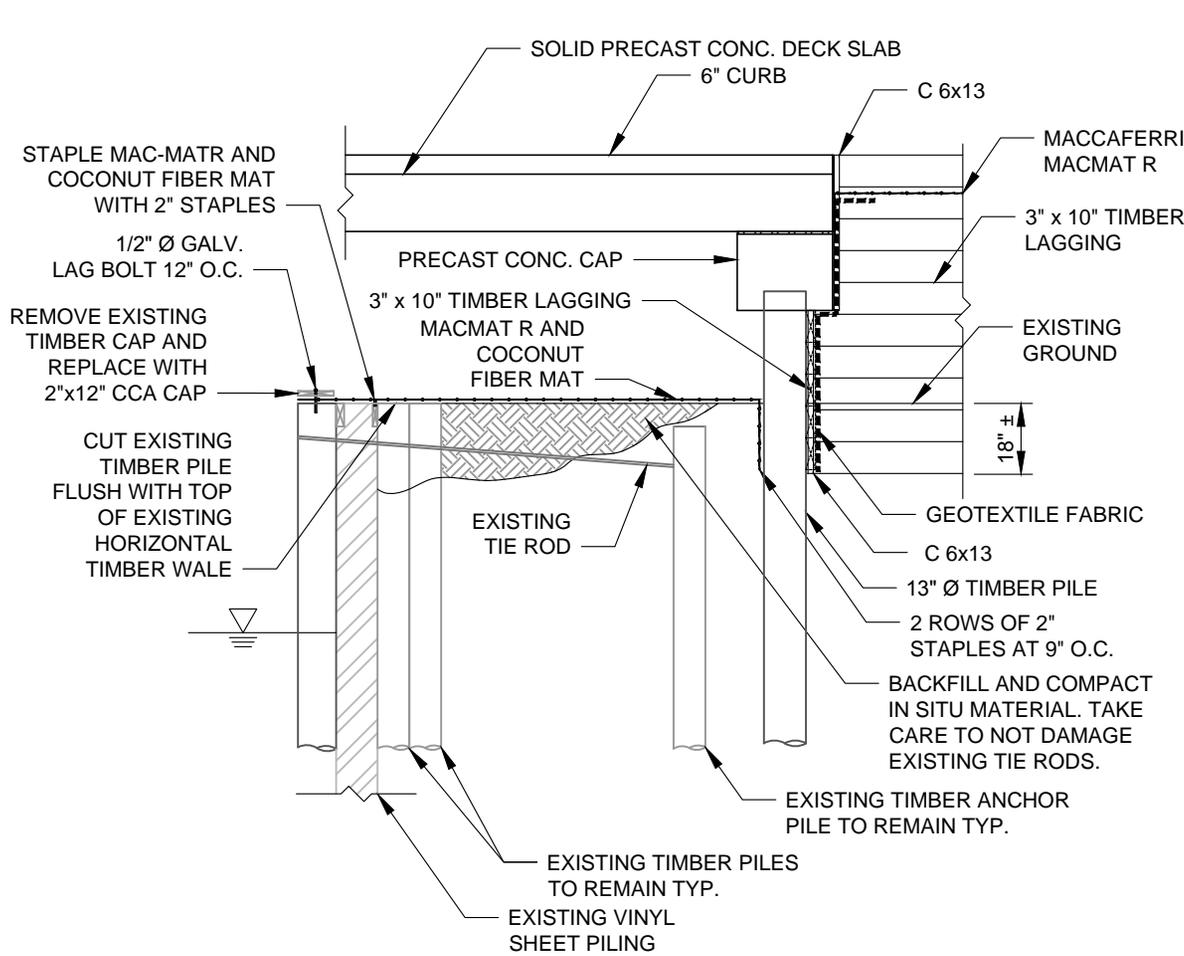
1 PROPOSED BRIDGE ELEVATION
50 SCALE: 1" = 20'



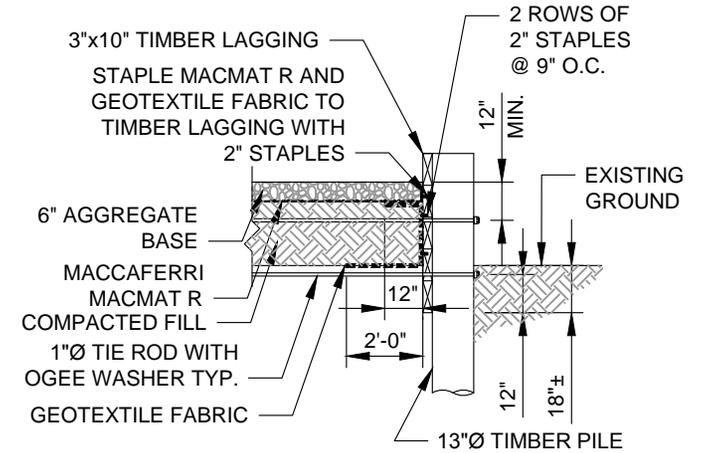
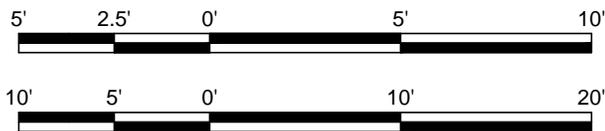
2 SECTION OF APPROACH
50 SCALE: 1" = 10'

NO MODIFICATIONS
MADE TO THIS SHEET

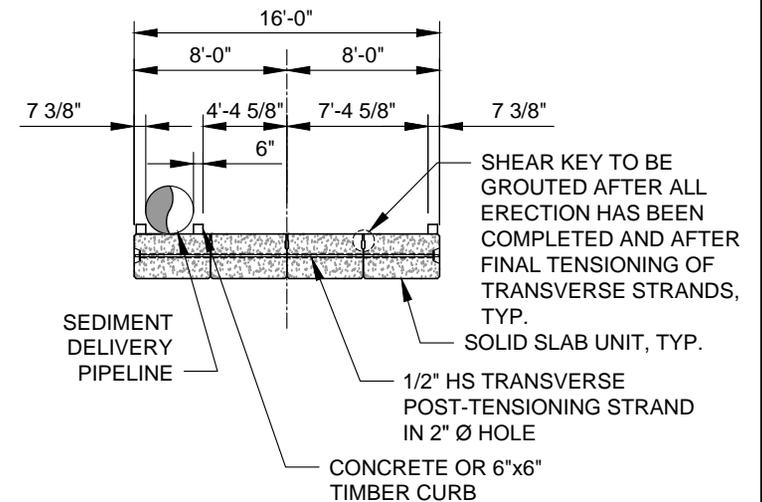
BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE		NEW BRIDGE PIPE CROSSING DETAILS (SHEET 2 OF 3) - PERMITTED	
							STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
							FEDERAL PROJECT NUMBER: N/A	SHEET 51 OF 53
DRAWN BY: YC	DESIGNED BY: CW	APPROVED BY: RUSS JOFFRION, P.E.						



A SECTION AT END BENT
50 SCALE: 1" = 10'



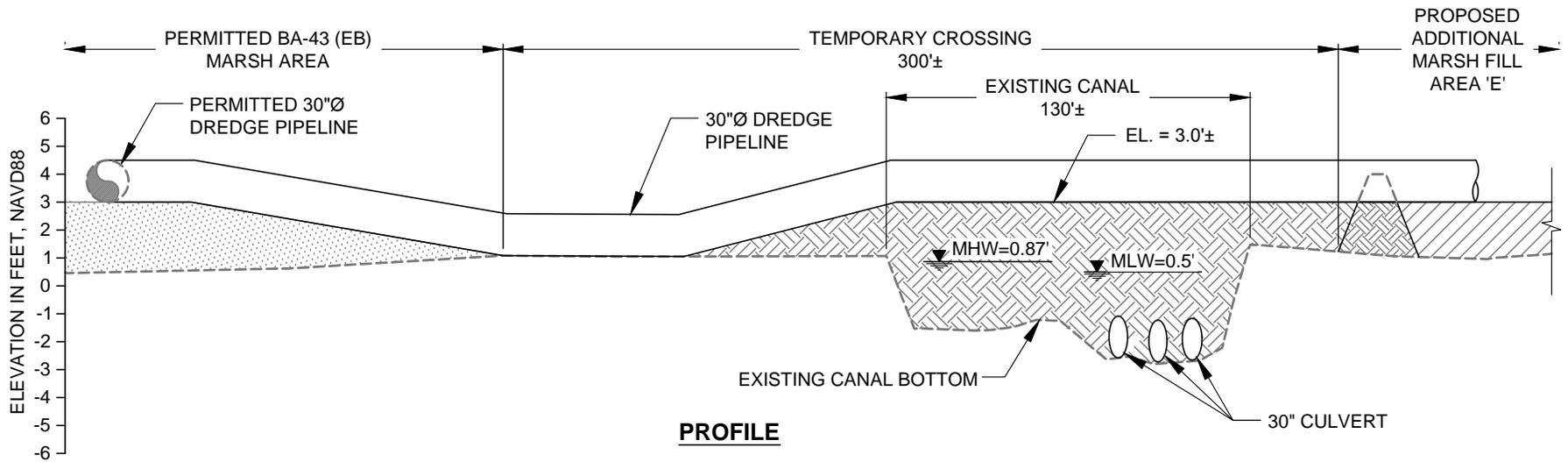
B SECTION THROUGH TIMBER LAGGING
50 SCALE: 1" = 5'



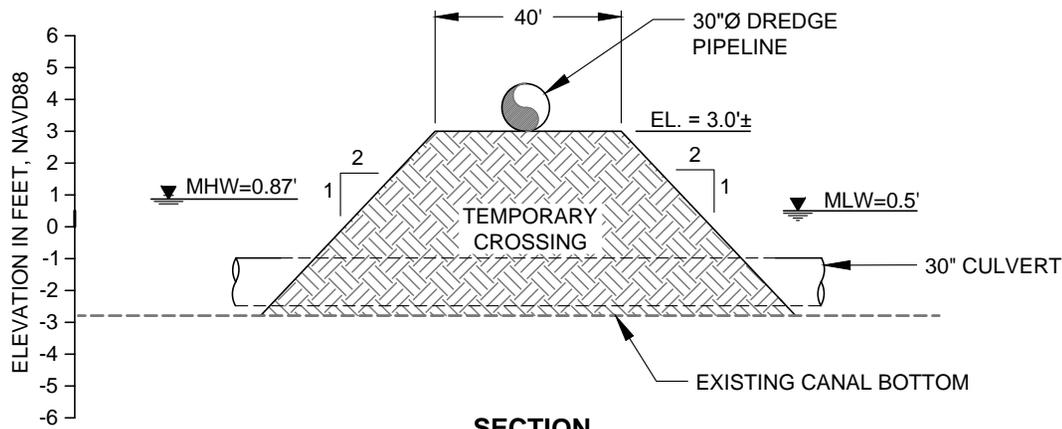
C BRIDGE SLAB CROSS SECTION
50 SCALE: 1" = 10'

**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 <p>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793</p>	<p>COASTAL PROTECTION & RESTORATION AUTHORITY</p> <p>450 LAUREL STREET BATON ROUGE, LOUISIANA 70801</p>	MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE		NEW BRIDGE PIPE CROSSING DETAILS (SHEET 3 OF 3) - PERMITTED	
							STATE PROJECT NUMBER: BA-43 (EB)	DATE: MARCH, 2015
							FEDERAL PROJECT NUMBER: N/A	SHEET 52 OF 53
DRAWN BY: YC	DESIGNED BY: CW					APPROVED BY: RUSS JOFFRION, P.E.		



PROFILE



SECTION

13 TEMPORARY CANAL CROSSING DETAIL
20 NOT TO SCALE

NOTES:

1. THE TEMPORARY CROSSINGS SHALL BE CONSTRUCTED USING MATERIAL HYDRAULICALLY DREDGED FROM THE BORROW AREA IN THE MISSISSIPPI RIVER.
2. TEMPORARY CROSSINGS SHALL BE REMOVED PRIOR TO DEMOBILIZATION.

BY	DESCRIPTION	DATE	COASTAL PROTECTION & RESTORATION AUTHORITY		MISSISSIPPI RIVER LONG DISTANCE SEDIMENT PIPELINE	TEMPORARY CANAL CROSSING DETAIL	
			 ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70825 225-927-7793				
					450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		STATE PROJECT NUMBER: BA-43 (EB)
DRAWN BY: YC			DESIGNED BY: CW		APPROVED BY: RUSS JOFFRION, P.E.	FEDERAL PROJECT NUMBER: N/A	SHEET 53 OF 53