

JOINT PUBLIC NOTICE

October 13, 2020

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch, ODR-E
Room 280
7400 Leake Avenue
New Orleans, Louisiana 70118

(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 201005-02

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).

**PERMIT MODIFICATION/TIME EXTENSION FOR LARGE-SCALE BARATARIA MARSH
CREATION: UPPER BARATARIA COMPONENT RESTORATION PROJECT (BA-207) WITHIN
THE MISSISSIPPI RIVER IN JEFFERSON & PLAQUEMINES PARISHES**

NAME OF APPLICANT: National Oceanic and Atmospheric Administration (NOAA)-Restoration Center, c/o Moffatt Nichol, 301 Main Street, Suite 800, Baton Rouge, Louisiana 70801.

LOCATION OF WORK: Project site is located on the right descending bank of the Mississippi River, between miles 60 to 67 above Head of Passes, crossing and south of Highway 23, near Naomi, in Plaquemines and Jefferson Parishes, as shown on the attached drawings.

Latitude: 29.61447 Longitude: -90.03938

Hydrologic Unit Codes: 08090100 Lower Mississippi-New Orleans.
08090301 East-Central Louisiana Coastal.

CHARACTER OF WORK: Dredge within the Mississippi River at the notated Wills Point, Alliance Anchorage and Alliance South borrow areas for the addition of eight marsh fill areas, creating a total of 1,543 acres. The project shall be constructed using the previously authorized Mississippi River Long Distance Sediment Pipeline Project. The overall project purpose is to obtain renewable sediment sources to restore intertidal wetlands in the Barataria Basin. Project implementation will require an additional excavation amount of 37,662,164 cubic yards/589 acres and deposition amount of 25,346,079 cubic yards/3,474 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.**

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 applicant coordinated the ESA and EFH consultations as part of procedures established by the Louisiana Trustee Implementation Group (LA TIG). LA TIG administers funds as part of the ongoing Deepwater Horizon (DWH) Settlement/National Resources Damage Assessment (NRDA) to restore for injuries resulting from the DWH oil spill. The ESA and EFH consultation letters were provided to avoid federal agency duplication of effort. The ESA and EFH consultations will be taken into consideration by CEMVN upon rendering a permit decision.

By letter dated April 14, 2020, the United States Fish & Wildlife Service (USFWS), stated they concur with the Biological Evaluation (BE) determination of not likely to adversely affect the West Indian Manatee and the Pallid Sturgeon with the inclusion of the Standard Manatee Conditions for In-Water Activities and cutterhead/suction dredge recommendations.

By letter dated June 9, 2020, the National Marine Fisheries Service (NMFS) stated, they have reviewed the BE and related materials and concur with the action agency's conclusions that the proposed action is not likely to adversely affect the NMFS-ESA listed species and/or designated critical habitat. This concludes consultation responsibilities under the ESA for species and/or designated critical habitat under NMFS's purview.

By letter dated March 20, 2020, the NMFS, Southeast Regional Office's Habitat Conservation Division (SERO HCD) has reviewed the BE assessment and has determined the document adequately evaluates the proposed project impacts to EFH and concur that the project implementation would result in minimal temporary impacts to estuarine EFH; however the impacts will not be substantial. Best management practices to minimize both short-term construction impacts and long-term impacts to habitats have been developed. The SER HCD has no EFH conservation recommendations to provide pursuant to Section 305(b)(2) of the Magnuson-Stevens Act at this time. Further consultation on this matter is not necessary unless modifications are proposed and such actions may result in adverse impacts to EFH.

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

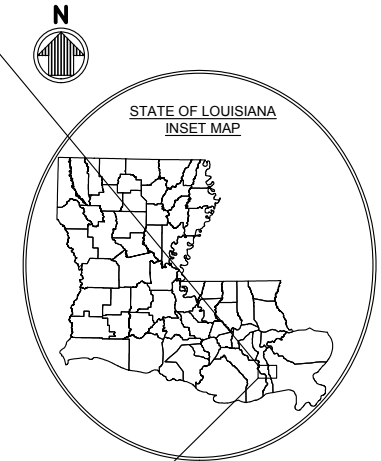
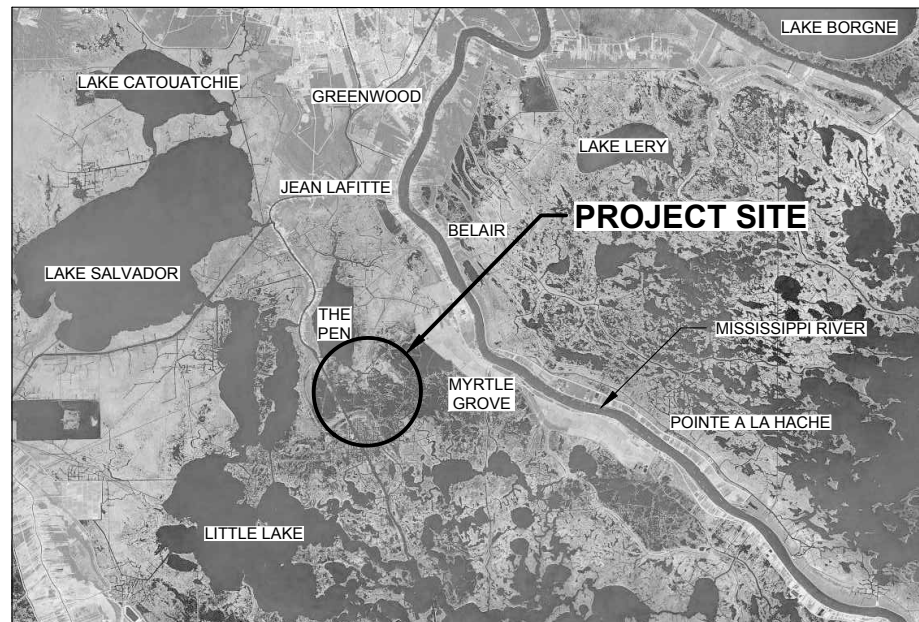
Enclosure

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE

LARGE-SCALE BARATARIA MARSH CREATION:
UPPER BARATARIA COMPONENT
PROJECT NO. BA-207
JEFFERSON & PLAQUEMINES PARISHES, LOUISIANA
PERMIT MODIFICATIONS



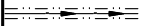
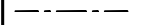










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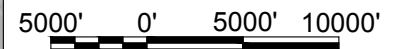
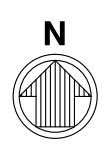
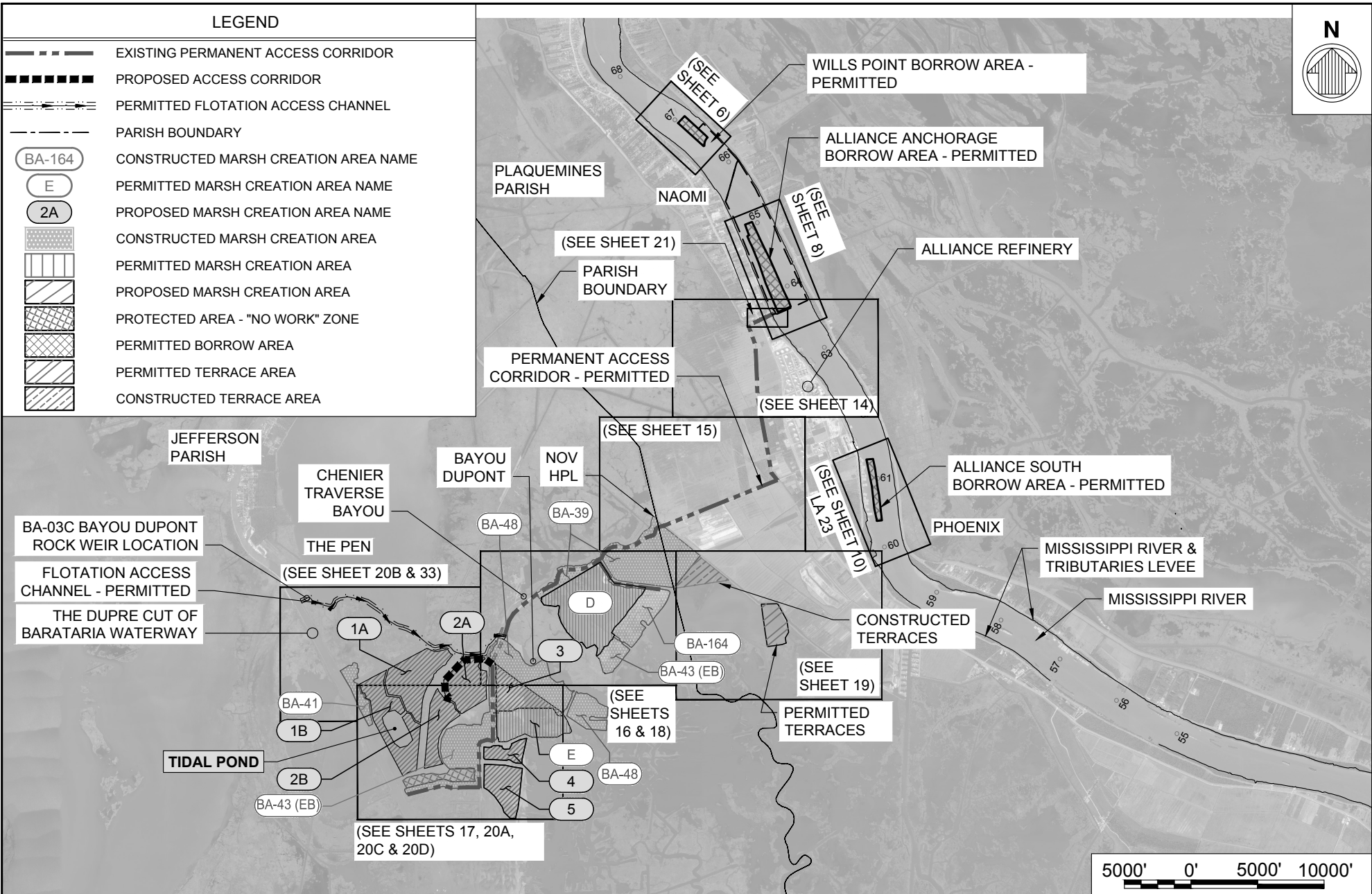


THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TITLE SHEET
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207

LEGEND

-  EXISTING PERMANENT ACCESS CORRIDOR
-  PROPOSED ACCESS CORRIDOR
-  PERMITTED FLOTATION ACCESS CHANNEL
-  PARISH BOUNDARY
-  CONSTRUCTED MARSH CREATION AREA NAME
-  PERMITTED MARSH CREATION AREA NAME
-  PROPOSED MARSH CREATION AREA NAME
-  CONSTRUCTED MARSH CREATION AREA
-  PERMITTED MARSH CREATION AREA
-  PROPOSED MARSH CREATION AREA
-  PROTECTED AREA - "NO WORK" ZONE
-  PERMITTED BORROW AREA
-  PERMITTED TERRACE AREA
-  CONSTRUCTED TERRACE AREA



BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; display: inline-block;">PROJECT LAYOUT</div>
					STATE PROJECT NUMBER:	DATE: JUNE, 2020
					FEDERAL PROJECT NUMBER: BA-207	SHEET 2 OF 54
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:		

GENERAL NOTES:

1. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION
2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS COURTESY OF GOOGLE EARTH, 2020.
3. COORDINATES ARE PROVIDED IN NAD 83 (2011), COORDINATES PROVIDED IN NORTHING AND EASTING ARE LOUISIANA STATE PLANE, SOUTHERN ZONE, U.S. SURVEY FEET. COORDINATES PROVIDED IN LATITUDE/LONGITUDE ARE GEOGRAPHIC COORDINATES (DEGREES, MINUTES, SECONDS)
4. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), U.S. SURVEY FEET.
5. 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.
6. THE CONTRACTOR SHALL NOT EXCAVATE WITHIN 500' OF AN ACTIVE AND/OR ABANDONED PIPELINE IN THE MISSISSIPPI RIVER AND FLOTATION ACCESS CHANNEL.
7. 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.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS PRIOR TO CONSTRUCTION. ALL PIPELINES AND UNDERGROUND UTILITIES SHALL BE MARKED WITH BUOYS OR FLAGGED STAKES PRIOR TO START OF CONSTRUCTION AND SHALL BE MAINTAINED DURING THE CONSTRUCTION OF THIS PROJECT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE AND UTILITY OPERATORS AT LEAST 10 WORKING DAYS PRIOR TO MOBILIZATION.
10. CONTRACTOR SHALL CALL **LOUISIANA ONE CALL 811** AT 811, TOLL-FREE AT 1-800-272-3020, OR USE INTERNET TICKETING SERVICE (NEXT GEN) 14 WORKING DAYS PRIOR TO MOBILIZATION TO LOCATE ANY PIPELINE OR UTILITIES. ALL CORRESPONDENCE WITH LOUISIANA ONE CALL SHALL BE SUBMITTED TO THE GOVERNMENT FOR REFERENCE ONLY.
11. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL ASPECTS OF THE LOUISIANA REVISED STATUTE (R.S.), TITLE 40, §§ 40:1749.11 TO -.27, LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - 11.1. MAINTAIN / PRESERVE AND LOCATE MARKINGS ACTIVE AS REQUIRED TO KEEP THE TICKET ACTIVE FOR THE DURATION OF THE PROJECT.
12. NO CONSTRUCTION EQUIPMENT OR ACTIVITIES MAY OPERATE, TRANSIT, STAGE, OR STORE OUTSIDE OF THE CONSTRUCTION SITE WORK LIMITS..
13. 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

GENERAL NOTES: (CONTINUED)

14. NO EXCAVATION OF MATERIALS IS ALLOWED FOR MRT LEVEE, NOV HPL, AND NAOMI SIPHON LEVEE CROSSINGS.
15. CONSTRUCTION OVER OR WITHIN 10 FEET OF THE MRT LEVEE, AND SUBSURFACE WORK WITHIN 1,500 FEET OF THE MRT LEVEE IS LIMITED TO RIVER STAGES BELOW +11 FEET ON THE CARROLLTON GAUGE.
16. CONSTRUCTION IS NOT ALLOWED WHEN A HURRICANE IS WITHIN 5 DAYS OF AFFECTING THE LOUISIANA COAST. DURING SUCH TIMES, THE SITE MUST BE SECURED, FLOOD PROTECTION MAINTAINED, AND COORDINATION MAINTAINED WITH THE ENGINEERING DIVISION OF THE USACE MVN DISTRICT. FURTHERMORE, ALL ACTIVE EXCAVATION WORK WITHIN 1,500 FEET OF THE MRT LEVEE NEEDS TO BE BACKFILLED WITHIN THREE DAYS OF A TROPICAL EVENT EXPECTED TO MAKE LANDFALL OF THE LOUISIANA COAST.

HYDRAULIC DREDGING NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO ANCHOR WITHIN THE DREDGE ANCHOR LIMITS SHOWN IN PLAN SHEETS 6 THRU 11 .
2. THE DREDGE, ANCHOR BUOYS, AND DREDGE PIPELINE (FLOATING OR SUBMERGED) WITHIN BORROW AREAS OR OTHER NAVIGABLE WATERWAYS SHALL BE MARKED IN ACCORDANCE WITH THE U.S. COAST GUARD NAVIGATION RULES INCLUDING REQUIRED FLASHING LIGHTS, WARNING SIGNS AND MARKERS.
3. THE CONTRACTOR IS PROHIBITED FROM DREDGING BEYOND THE IDENTIFIED BORROW AREA LIMITS.
4. THE CONTRACTOR MAY DREDGE TO AN ALLOWABLE MAXIMUM DEPTH OF -90 FT NAVD 88.
5. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DAILY COMMUNICATION PLAN TO THE OWNER, THE USACE OPERATIONS DIVISION, AND THE MARITIME NAVIGATION SAFETY ASSOCIATION (MNSA) WHICH PRECISELY DELINEATES THE DREDGE LOCATION, ATTENDANT PLANT, ANCHOR BUOYS, AND FLOATING PIPELINE PURSUANT TO THE PROJECT SPECIFICATIONS.
6. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> GENERAL AND DREDGING NOTES </div>	
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	FEDERAL PROJECT NUMBER: BA-207	DATE: JUNE, 2020	
						SHEET 3A OF 54	

PROPOSED PERMIT MODIFICATION NOTES:

1. IN GENERAL, PROPOSED PERMIT INFORMATION FOR NEW MARSH CREATION AREAS (MCAs) AND ASSOCIATED DESIGN FEATURES, AND OTHER PERTINENT PERMIT INFORMATION IS SHOWN WITH A DARK FONT, TEXT FRAME AND GRAY TEXT BACKGROUND.
2. ORIGINAL / PRIOR PERMIT TEXT (MVN-2009-1353-EPP) ON PLANS AND DETAILS IS UNMODIFIED WITH EXCEPTION OF REVISING CURRENT STATUS OF CONDITIONS. EXAMPLE, CONSTRUCTED MCA BA-43(EB) AND BA-48 PLANS, DETAILS AND REFERENCES INCLUDE DESIGNATING TEXT "CONSTRUCTED" AS APPLICABLE.
3. PRIOR PERMITTED INFORMATION FOR MCAs, ACCESS CORRIDORS, TEMPORARY CROSSINGS, EXCAVATION FOR EARTHEN CONTAINMENT DIKES, FLOTATION ACCESS CHANNEL OR OTHER PROJECT FEATURES INCLUDE DESIGNATING TEXT "PERMITTED".
4. PROPOSED PERMIT INFORMATION AND ASSOCIATED DESIGN DETAILS INCLUDE DESIGNATING TEXT "PROPOSED".
5. APPLICANT IS NOT REQUESTING ANY CHANGES TO THE HORIZONTAL OR VERTICAL LIMITS OF BORROW FOR WILLS POINT, ALLIANCE ANCHORAGE OR ALLIANCE SOUTH FROM WHAT WAS ORIGINALLY APPROVED BY THE USACE PER PERMIT NO. MVN-2009-1353-EPP AS AMENDED BY 20140731 AND 20151015, AND ORIGINALLY APPROVED BY THE STATE OF LOUISIANA IN CUP P2011445.
6. UNLESS OTHERWISE SPECIFIED, INFORMATION MARKED WITH DESIGNATING TEXT "PERMITTED" SHALL REFER TO PRIOR PERMIT NO. MVN-2009-1353-EPP AS AMENDED BY 20140731 AND 20151015.
7. IN GENERAL, THE FOLLOWING SHEET NUMBERS SHALL DIRECT THE AGENCY TO PROPOSED / SPECIFICALLY MODIFIED SHEETS CONTAINING INFORMATION WHICH AMENDS THE AFOREMENTIONED PERMIT AND ITS' PRIOR AMENDMENTS:
1, 2, 3A, 3B, 3C, 6, 16, 17, 18, 20A, 20B, 20C, 20D, 22A, 22B, 23A, 23B, 24, 32B, 32C, 32D, 33, 53, & 54.
8. PLEASE NOTE THAT THE FOLLOWING SHEETS HAVE BEEN ADDED TO THE SHEET SET: 3B, 3C, 20B, 20C, 20D, 22B, 23B, 32B, 32C, 32D, & 54.
9. PLAN SHEETS THAT ARE LISTED UNDER NOTE #7 (PROPOSED OR MODIFIED) CONTAIN A DIFFERENTIATING GRAY TEXT BACKGROUND TO PLAN SHEET TITLE AS LOCATED IN LOWER LEFT CORNER OF TITLE BOX AS FOLLOWS (EXAMPLE):

**PROPOSED
ADDITIONAL MARSH
FILL - AREA E**

10. PLAN SHEETS NOT LISTED UNDER NOTE #7 WERE PREVIOUSLY PERMITTED AND EFFECTIVELY CONTAIN NO PROPOSED OR MODIFIED INFORMATION AND THEREFORE CONTAIN A DESIGNATING TEXT BOX (EXAMPLE) AS FOLLOWS:

**NO MODIFICATIONS
MADE TO THIS SHEET**

11. PLAN SHEETS CONTAINING TEXT STAMP "NO MODIFICATIONS MADE TO THIS SHEET" HAVE BEEN UPDATED WHERE APPROPRIATE FOR CURRENT AERIAL IMAGERY, SURVEY INFORMATION REFERENCES, "CONSTRUCTED" FEATURES VERSUS "PERMITTED" OR PREVIOUSLY "PROPOSED" FEATURES , POINT COORDINATES, ETC...

MARSH CREATION NOTES:

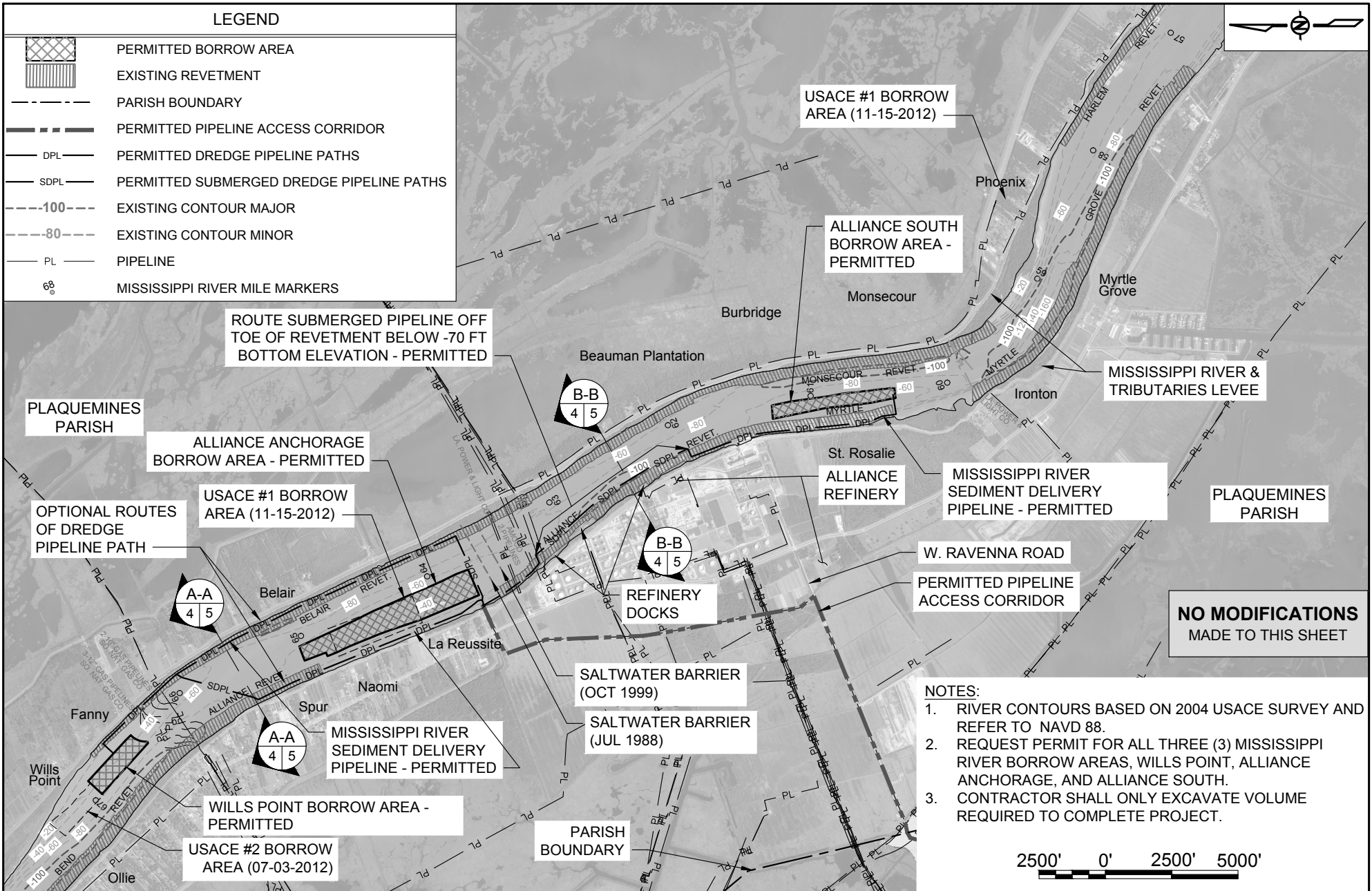
1. MARSH CREATION AREA FILL ELEVATIONS FOR "CONSTRUCTED" AND PRIOR "PERMITTED" MARSH CREATION AREAS ARE IDENTIFIED ON TYPICAL SECTION SHEETS 24 THRU 32A AND RANGE IN ELEV.= 2.5' ± 0.5' TO ELEV.= 3.0' ± 0.5'.
2. PROPOSED MARSH CREATION AREAS 1A, 1B, 2A, 2B AND 3 SHALL BE CONSTRUCTED TO FILL ELEVATION = +3.0' NAVD 88 (MAXIMUM) WITH -0.5' TOLERANCE.
3. MARSH CREATION AREA COORDINATE POINTS ARE RENUMBERED AND TABLES OF THESE POINTS NOW REFERRED TO AS PROJECT FEATURE INFLECTION POINTS (PFIP) ARE PROVIDED ON SHEETS 22A THRU 23B.
4. UNLESS OTHERWISE INDICATED, PFIP COORDINATES CORRESPOND TO THE CENTERLINE OF EARTHEN CONTAINMENT DIKES AND/OR THE MARSH PLATFORM TOP OF THE SLOPE ALONG UNCONTAINED FILL EDGES.
5. DUE TO SETTLEMENT, AREAS WITHIN THE PREVIOUSLY CONSTRUCTED BA-43 (EB) PERMANENT ACCESS CORRIDOR, INCLUDING REACHES THAT ARE WITHIN BA-39 AND BA-48, MAY REQUIRE ADDITIONAL MATERIAL BE PLACED TO RAISE THE CORRIDOR ELEVATION IN LOW AREAS FOR CONSTRUCTION ACCESS. ANY ADDITIONAL MATERIAL WILL BE PLACED WITHIN THE PERMITTED ALLOWABLE ELEVATION OF +2.5' NAVD 88 WITH +- 0.5' TOLERANCE.
6. ADJACENT TO UNCONTAINED FILL EDGES, FINE GRAINED MATERIAL MAY REMAIN IN SUSPENSION IN DREDGE EFFLUENT FOR NOURISHMENT OF ADJACENT MARSH. THESE AREAS ARE NOT SPECIFICALLY DELINEATED.

BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> NOTES (CONTINUED) </div>
					STATE PROJECT NUMBER:	DATE: JUNE, 2020
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	FEDERAL PROJECT NUMBER: BA-207	SHEET 3B OF 54

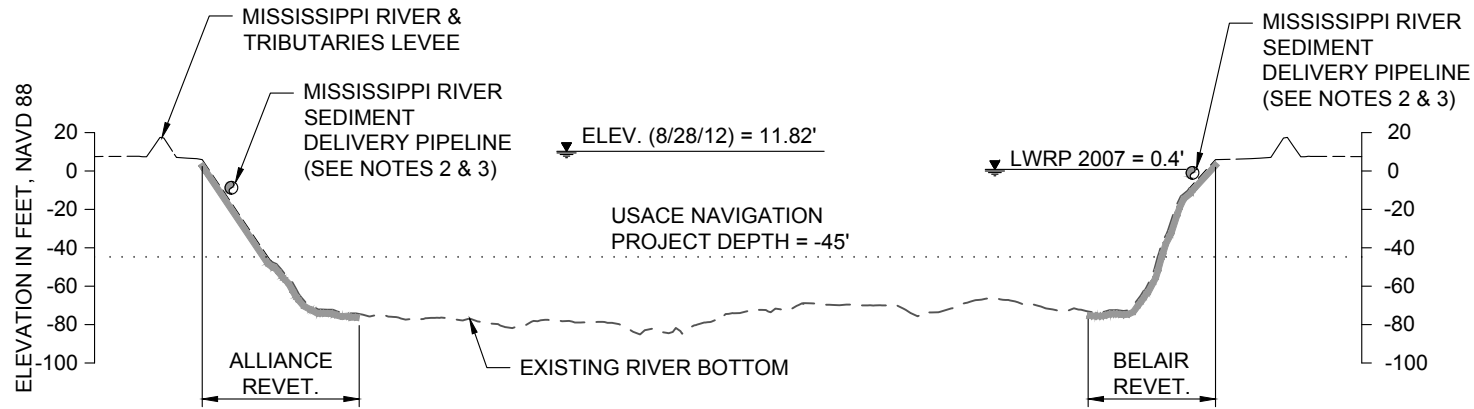
MARSH CREATION AREAS	STATUS	PERMITTED FILL ELEV. (FT, NAVD 88-GEOID12A)	
BA-39	CONSTRUCTED	+2.0' ± 0.3'	
BA-43 (EB)		+3.0' ± 0.5'	
EXISTING PERMANENT ACCESS CORRIDOR REACH 1		+2.5' ± 0.5'	
EXISTING PERMANENT ACCESS CORRIDOR REACH 2		+2.5' ± 0.5'	
EXISTING PERMANENT ACCESS CORRIDOR REACH 3		+3.0' ± 0.5'	
EXISTING PERMANENT ACCESS CORRIDOR REACH 4		+3.0' ± 0.5'	
EXISTING PERMANENT ACCESS CORRIDOR REACH 5		+3.0' ± 0.5'	
EXISTING PERMANENT ACCESS CORRIDOR REACH 6		+2.5' ± 0.5'	
BA-48		+3.0' ± 0.5'	
BA-164		+2.5' ± 0.5'	
1A	PROPOSED	+3.0'- 0.5'	
1B		+3.0'- 0.5'	
2A		+3.0'- 0.5'	
2A ACCESS CORRIDOR		+3.0'- 0.5'	
2B		+3.0'- 0.5'	
3		+3.0'- 0.5'	
4		+3.0'- 0.5'	
5		+3.0'- 0.5'	
D		PERMITTED	+2.5' ± 0.5'
E			+2.5' ± 0.5'
TERRACE B	CONSTRUCTED	+2.5' + 0.5'	
TERRACE C	PERMITTED	+2.5' + 0.5'	

BORROW AREAS	STATUS	PERMITTED DREDGE DEPTH (FT, NAVD 88-GEOID12A)
WILLS POINT	PERMITTED	-90'
ALLIANCE ANCHORAGE		
ALLIANCE SOUTH		

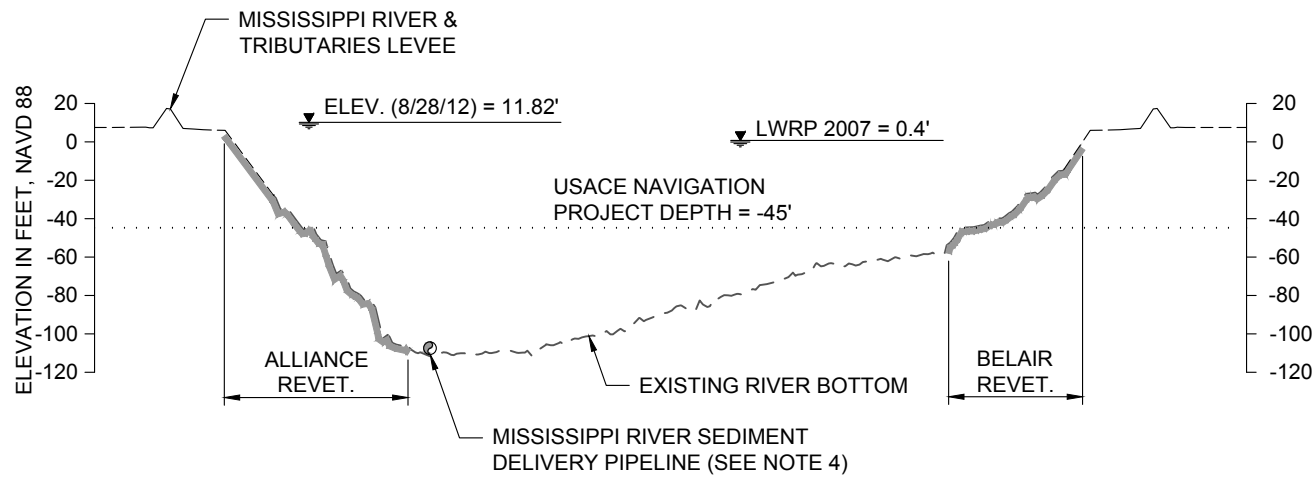
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; text-align: center;"> MARSH CREATION AREA SUMMARY TABLE </div>
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207



BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		BORROW AREAS - PERMITTED
					STATE PROJECT NUMBER:	DATE: JUNE, 2020	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207	



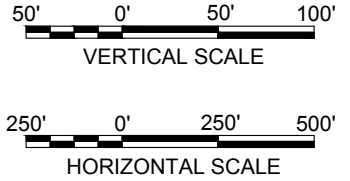
A-A
4
TYPICAL MISSISSIPPI RIVER PIPELINE SECTION
RIVER MILE 65.6



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
















NO MODIFICATIONS
MADE TO THIS SHEET

- 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 LOW WATER REFERENCE PLANE (LWRP).
 3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
 4. ROUTE SUBMERGED PIPELINE OFF TOE OF REVETMENT BELOW -70 FEET NAVD BOTTOM ELEVATION.



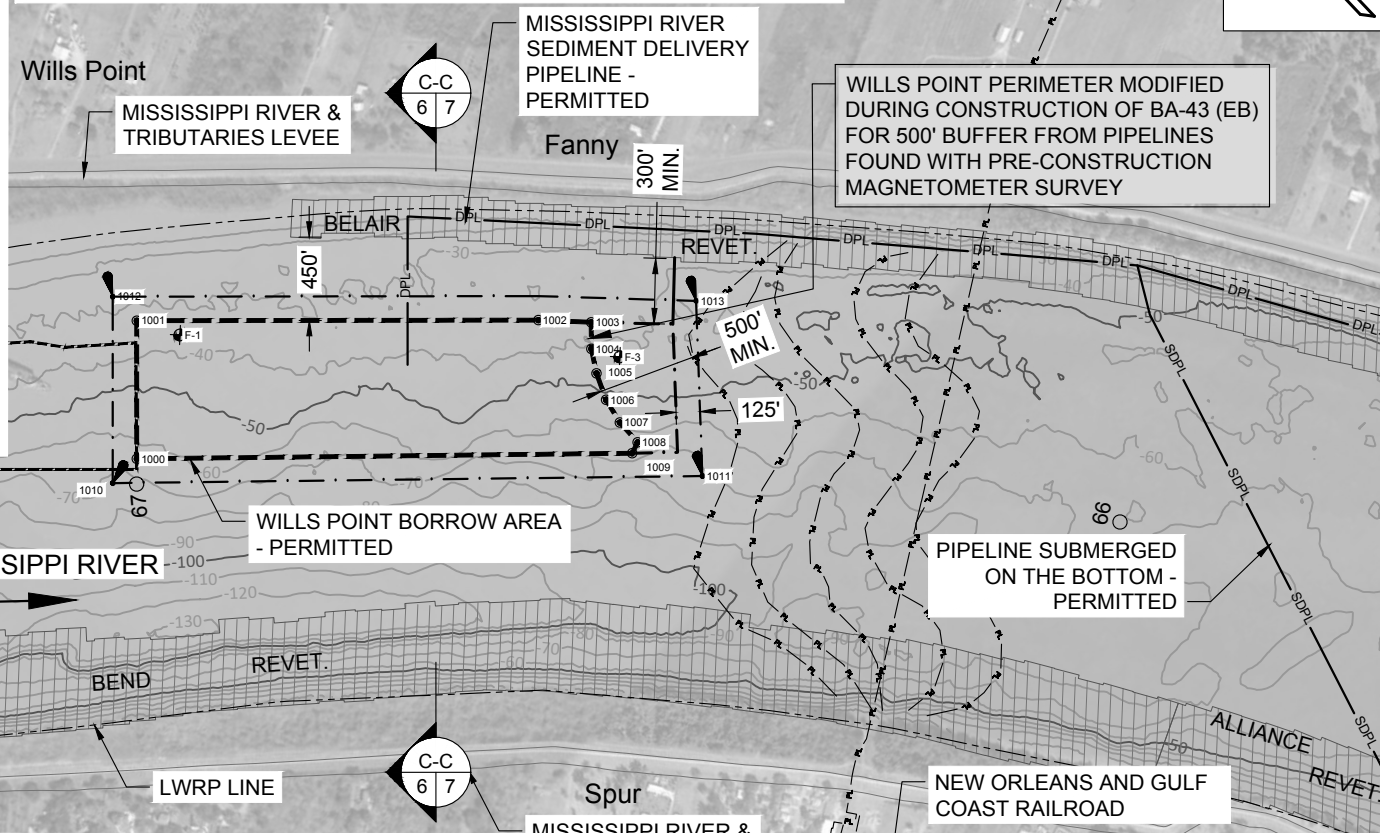
BY:	DESCRIPTION:	DATE:	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL MISSISSIPPI RIVER PIPELINE SECTIONS - PERMITTED		
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 5 OF 54

LEGEND

-  EXISTING REVETMENT
-  BORROW AREA PERIMETER (TOP OF CUT) - PERMITTED
-  BORROW AREA PERIMETER (TOP OF CUT) - MODIFIED
-  USACE BORROW AREA PERIMETER (TOP OF CUT)
-  DREDGE ANCHOR LIMITS
-  PERMITTED DREDGE PIPELINE
-  PERMITTED SUBMERGED DREDGE PIPELINE
-  LWRP LINE
-  EXISTING RAILROAD
-  CONTOUR MAJOR
-  CONTOUR MINOR
-  MISSISSIPPI RIVER MILE (AHP)
-  BUOY MARKING DREDGE ANCHOR LIMITS
-  BORROW AREA WORK POINT
-  PIPELINE

NOTES:

1. BACKGROUND AERIAL IMAGE FROM GOOGLE EARTH, 2020.
2. RIVER CONTOURS SHOWN ARE BASED ON OSI SURVEY DATED AUGUST 17, 2011 AND REFER TO NAVD 88.



WILLS POINT PERIMETER MODIFIED DURING CONSTRUCTION OF BA-43 (EB) FOR 500' BUFFER FROM PIPELINES FOUND WITH PRE-CONSTRUCTION MAGNETOMETER SURVEY

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

WILLS POINT BORROW AREA - PERMITTED

PIPELINE SUBMERGED ON THE BOTTOM - PERMITTED

NEW ORLEANS AND GULF COAST RAILROAD

BORROW AREA LIMITS (TOP OF CUT)		
POINT TABLE		
POINT #	LATITUDE	LONGITUDE
1000	N29° 44' 26.59"	W90° 00' 20.17"
1001	N29° 44' 31.77"	W90° 00' 14.57"
1002	N29° 44' 17.56"	W89° 59' 57.30"
1003	N29° 44' 15.61"	W89° 59' 55.13"
1004	N29° 44' 14.61"	W89° 59' 56.20"
1005	N29° 44' 13.51"	W89° 59' 56.97"
1006	N29° 44' 12.18"	W89° 59' 57.64"
1007	N29° 44' 10.84"	W89° 59' 57.96"
1008	N29° 44' 09.47"	W89° 59' 58.00"
1009	N29° 44' 09.26"	W89° 59' 58.68"

WILLS POINT BORROW AREA PARAMETERS	
BORROW AREA ACREAGE	39.6 AC.
BORROW AREA LENGTH	2,800'
BORROW AREA WIDTH	668' TO 720'
BORROW AREA THICKNESS (TO -90' NAVD 88)	31'
BORROW AREA VOLUME (-90' NAVD 88 MAX.)	2.0 MCY

BUOYS MARKING DREDGE ANCHOR LIMITS		
POINT TABLE		
POINT #	LATITUDE	LONGITUDE
1010	N29° 44' 26.53"	W90° 00' 22.20"
1011	N29° 44' 05.91"	W89° 59' 56.59"
1012	N29° 44' 33.51"	W90° 00' 14.63"
1013	N29° 44' 12.70"	W89° 59' 49.75"

BY	DESCRIPTION	DATE
DRAWN BY: JAD		

moftatt & nichol

ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70801
225-336-2075

DESIGNED BY: NC

NOAA RESTORATION CENTER

5304 FLANDERS DR., SUITE B
BATON ROUGE, LOUISIANA 70808-7206

APPROVED BY:

LARGE-SCALE BARATARIA MARSH CREATION:
UPPER BARATARIA COMPONENT

STATE PROJECT NUMBER:





FEDERAL PROJECT NUMBER: BA-207

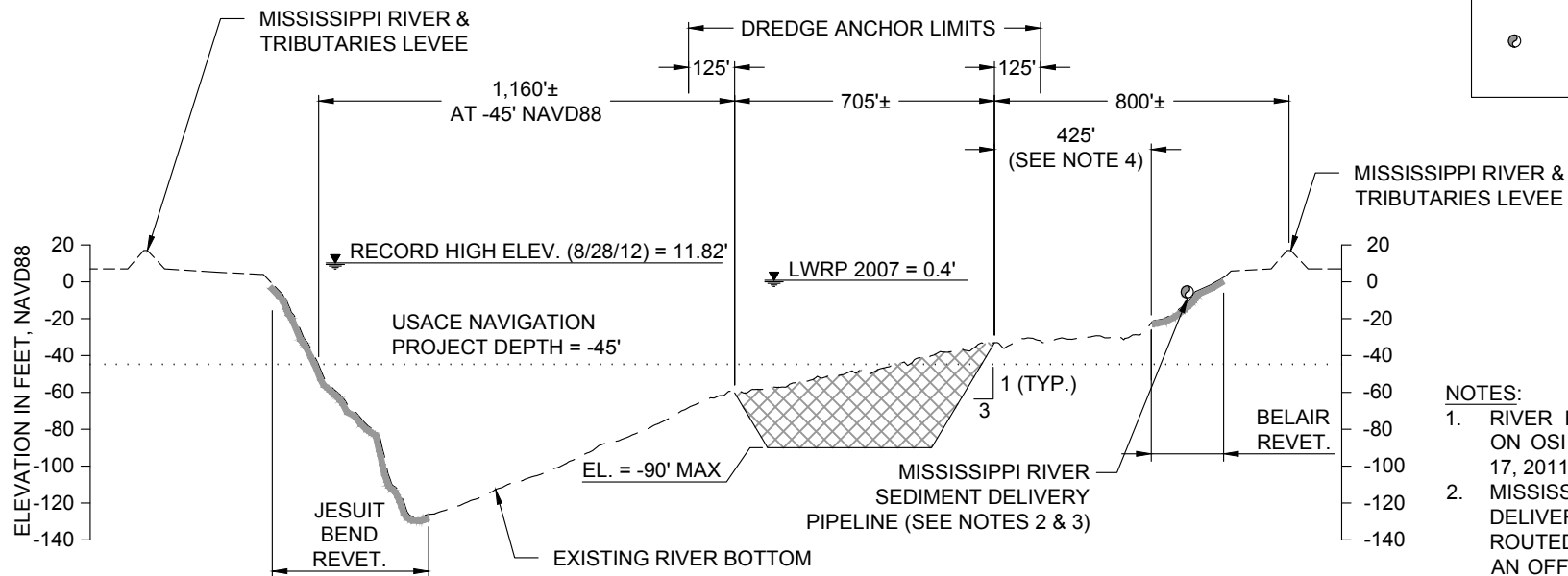
WILLS POINT BORROW AREA LAYOUT - PERMITTED

DATE: JUNE, 2020

SHEET 6 OF 54

LEGEND

-  PERMITTED BORROW AREA SECTION
-  AUGUST 2011 SURVEY
-  EXISTING REVETMENT
-  SEDIMENT DELIVERY PIPELINE



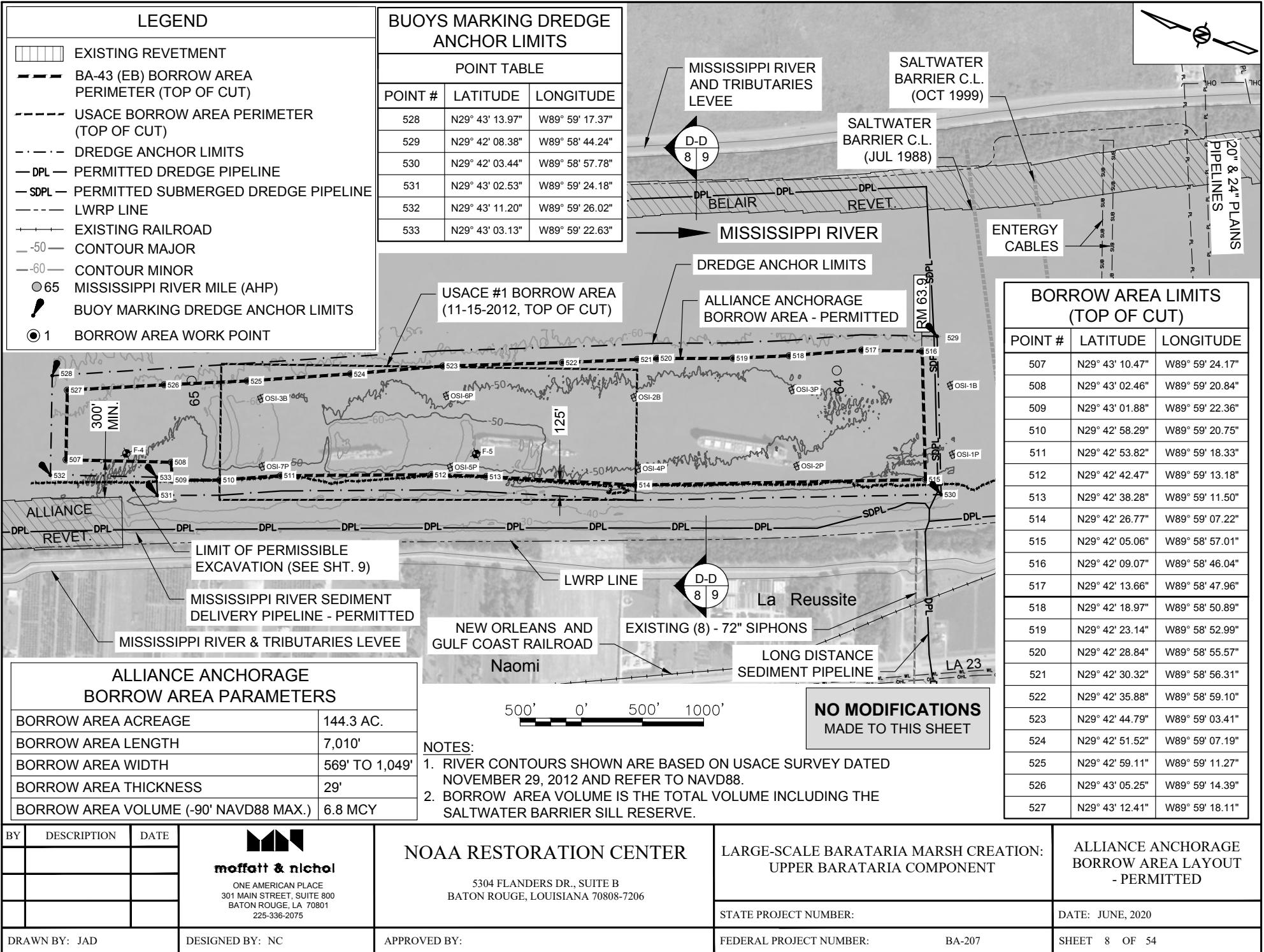
- NOTES:**
1. RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
 2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
 3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
 4. MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE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

C-C
6
TYPICAL WILLS POINT SECTION - PERMITTED
RIVER MILE 66.7



**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL WILLS POINT SECTION - PERMITTED	
						STATE PROJECT NUMBER:	DATE: JUNE, 2020
						APPROVED BY:	FEDERAL PROJECT NUMBER: BA-207
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:			



LEGEND

BUOYS MARKING DREDGE ANCHOR LIMITS

POINT TABLE		
POINT #	LATITUDE	LONGITUDE
528	N29° 43' 13.97"	W89° 59' 17.37"
529	N29° 42' 08.38"	W89° 58' 44.24"
530	N29° 42' 03.44"	W89° 58' 57.78"
531	N29° 43' 02.53"	W89° 59' 24.18"
532	N29° 43' 11.20"	W89° 59' 26.02"
533	N29° 43' 03.13"	W89° 59' 22.63"

BORROW AREA LIMITS (TOP OF CUT)

POINT #	LATITUDE	LONGITUDE
507	N29° 43' 10.47"	W89° 59' 24.17"
508	N29° 43' 02.46"	W89° 59' 20.84"
509	N29° 43' 01.88"	W89° 59' 22.36"
510	N29° 42' 58.29"	W89° 59' 20.75"
511	N29° 42' 53.82"	W89° 59' 18.33"
512	N29° 42' 42.47"	W89° 59' 13.18"
513	N29° 42' 38.28"	W89° 59' 11.50"
514	N29° 42' 26.77"	W89° 59' 07.22"
515	N29° 42' 05.06"	W89° 58' 57.01"
516	N29° 42' 09.07"	W89° 58' 46.04"
517	N29° 42' 13.66"	W89° 58' 47.96"
518	N29° 42' 18.97"	W89° 58' 50.89"
519	N29° 42' 23.14"	W89° 58' 52.99"
520	N29° 42' 28.84"	W89° 58' 55.57"
521	N29° 42' 30.32"	W89° 58' 56.31"
522	N29° 42' 35.88"	W89° 58' 59.10"
523	N29° 42' 44.79"	W89° 59' 03.41"
524	N29° 42' 51.52"	W89° 59' 07.19"
525	N29° 42' 59.11"	W89° 59' 11.27"
526	N29° 43' 05.25"	W89° 59' 14.39"
527	N29° 43' 12.41"	W89° 59' 18.11"

ALLIANCE ANCHORAGE BORROW AREA PARAMETERS

BORROW AREA ACREAGE	144.3 AC.
BORROW AREA LENGTH	7,010'
BORROW AREA WIDTH	569' TO 1,049'
BORROW AREA THICKNESS	29'
BORROW AREA VOLUME (-90' NAVD88 MAX.)	6.8 MCY

NOTES:

1. RIVER CONTOURS SHOWN ARE BASED ON USACE SURVEY DATED NOVEMBER 29, 2012 AND REFER TO NAVD88.
2. BORROW AREA VOLUME IS THE TOTAL VOLUME INCLUDING THE SALTWATER BARRIER SILL RESERVE.

BY	DESCRIPTION	DATE

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

NOAA RESTORATION CENTER

5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT

STATE PROJECT NUMBER:

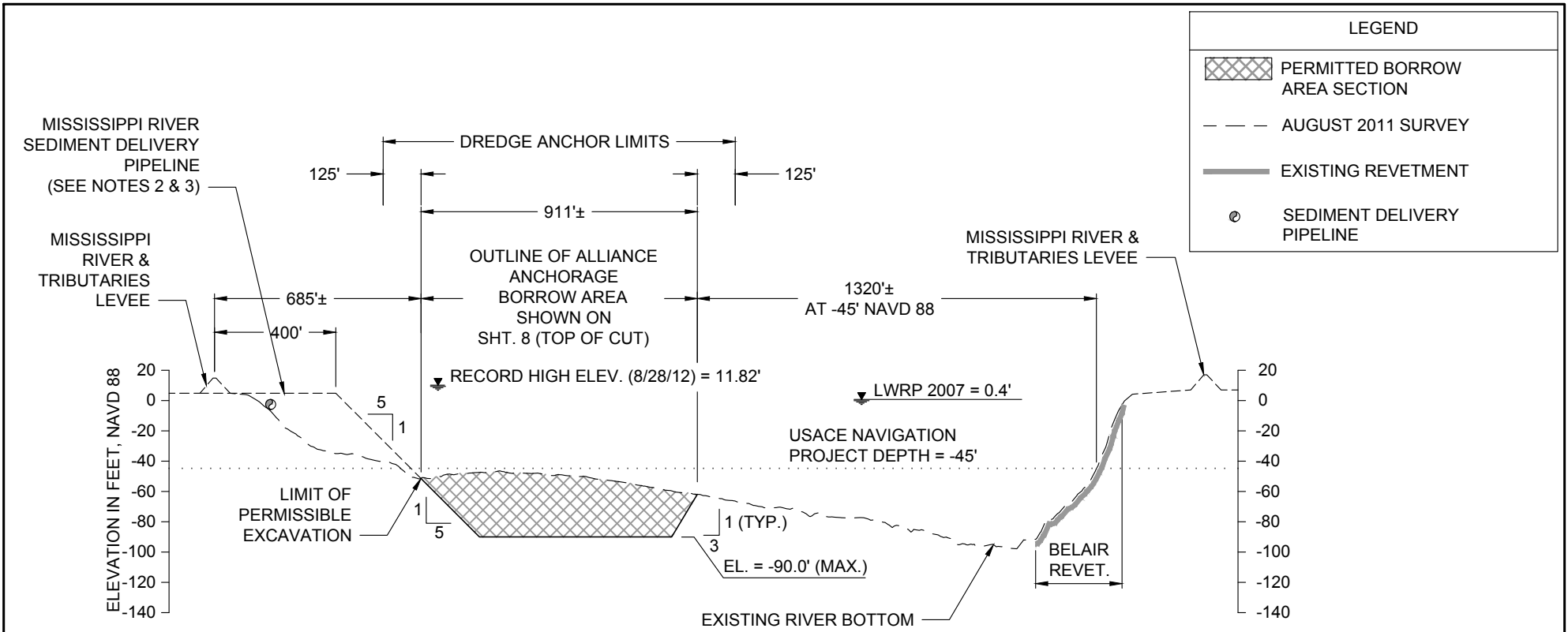
FEDERAL PROJECT NUMBER:

BA-207

ALLIANCE ANCHORAGE
 BORROW AREA LAYOUT
 - PERMITTED

DATE: JUNE, 2020

SHEET 8 OF 54

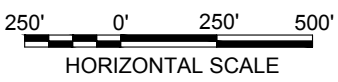
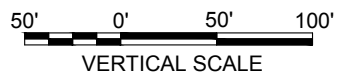


LEGEND	
	PERMITTED BORROW AREA SECTION
	AUGUST 2011 SURVEY
	EXISTING REVETMENT
	SEDIMENT DELIVERY PIPELINE

D-D TYPICAL ALLIANCE ANCHORAGE SECTION - PERMITTED
 8 RIVER MILE 64.3

NO MODIFICATIONS
 MADE TO THIS SHEET

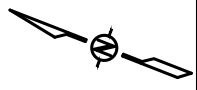
- NOTES:**
1. RIVER BOTTOM PROFILE BASED ON OSI SURVEY DATED AUGUST 17, 2011.
 2. MISSISSIPPI RIVER SEDIMENT DELIVERY PIPELINE TO BE ROUTED ALONG RIVER BANK AT AN OFFSET ± 30 FEET FROM THE LWRP.
 3. SEDIMENT DELIVERY PIPELINE MAY BE SUBMERGED OR FLOATING.
 4. MINIMUM DISTANCE BETWEEN TOP OF CUT AND TOE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



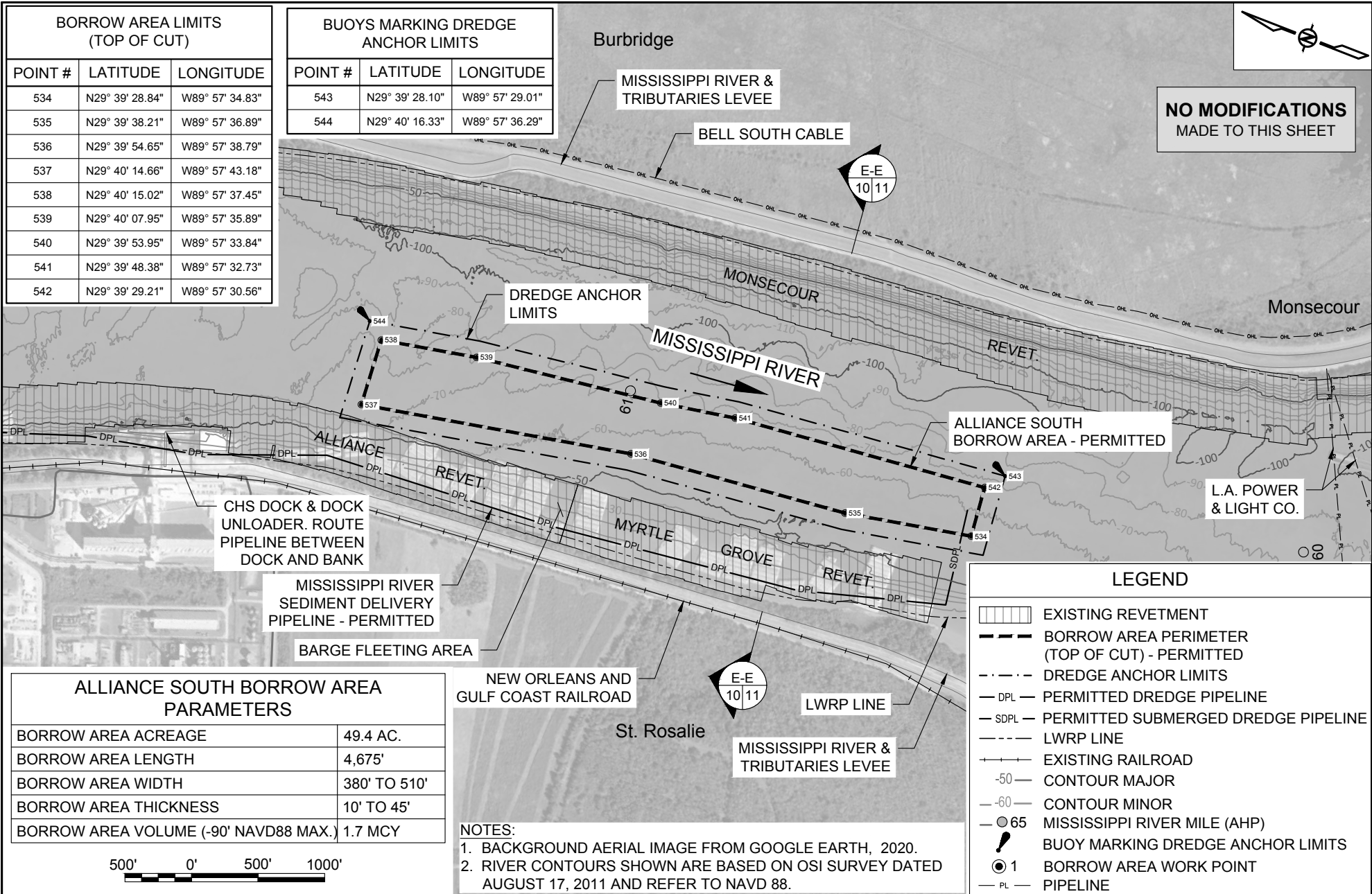
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL ALLIANCE ANCHORAGE SECTION - PERMITTED	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:
					FEDERAL PROJECT NUMBER:	BA-207	SHEET 9 OF 54

BORROW AREA LIMITS (TOP OF CUT)		
POINT #	LATITUDE	LONGITUDE
534	N29° 39' 28.84"	W89° 57' 34.83"
535	N29° 39' 38.21"	W89° 57' 36.89"
536	N29° 39' 54.65"	W89° 57' 38.79"
537	N29° 40' 14.66"	W89° 57' 43.18"
538	N29° 40' 15.02"	W89° 57' 37.45"
539	N29° 40' 07.95"	W89° 57' 35.89"
540	N29° 39' 53.95"	W89° 57' 33.84"
541	N29° 39' 48.38"	W89° 57' 32.73"
542	N29° 39' 29.21"	W89° 57' 30.56"

BUOYS MARKING DREDGE ANCHOR LIMITS		
POINT #	LATITUDE	LONGITUDE
543	N29° 39' 28.10"	W89° 57' 29.01"
544	N29° 40' 16.33"	W89° 57' 36.29"



**NO MODIFICATIONS
MADE TO THIS SHEET**



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:
 1. BACKGROUND AERIAL IMAGE FROM GOOGLE EARTH, 2020.
 2. RIVER CONTOURS SHOWN ARE BASED ON OSI SURVEY DATED AUGUST 17, 2011 AND REFER TO NAVD 88.

BY	DESCRIPTION	DATE

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

APPROVED BY: _____

LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT





STATE PROJECT NUMBER: _____

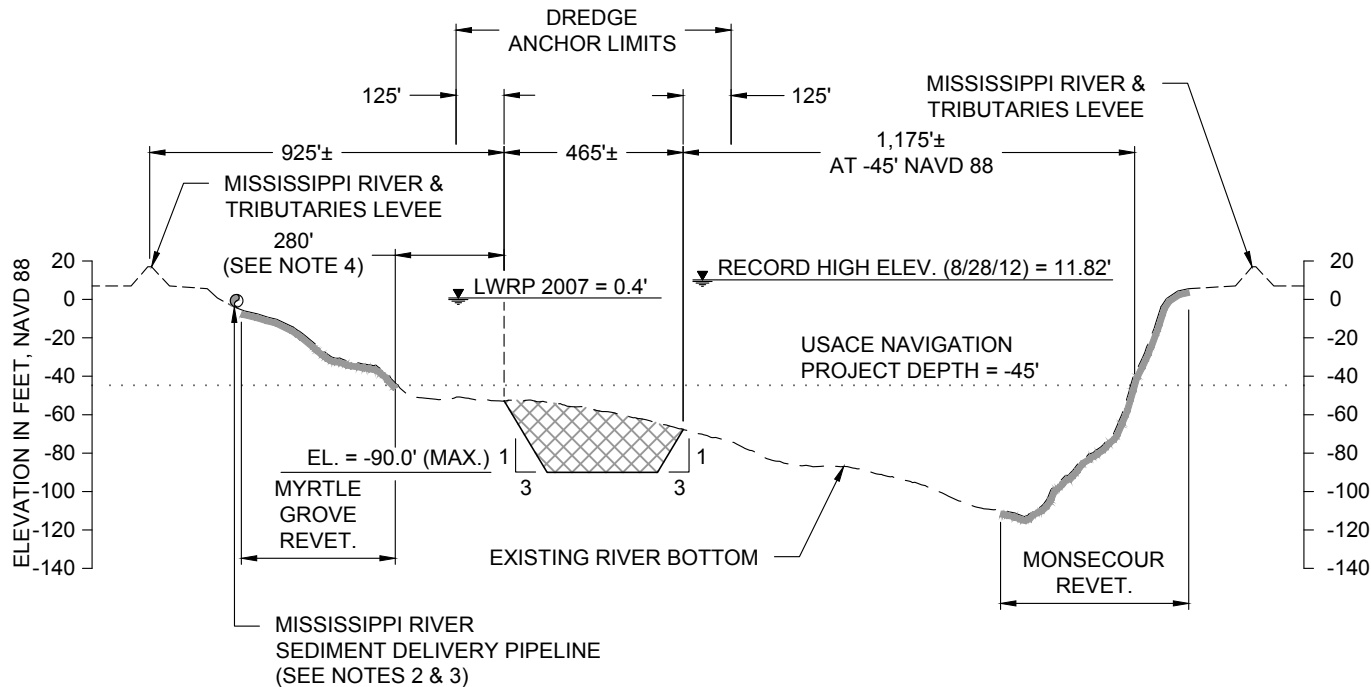
FEDERAL PROJECT NUMBER: BA-207

ALLIANCE SOUTH
 BORROW AREA LAYOUT -
 PERMITTED

DATE: JUNE, 2020

SHEET 10 OF 54

LEGEND	
	PERMITTED BORROW AREA SECTION
	AUGUST 2011 SURVEY
	EXISTING REVETMENT
	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 **TYPICAL ALLIANCE SOUTH SECTION - PERMITTED**
RIVER MILE 60.7



NO MODIFICATIONS
MADE TO THIS SHEET

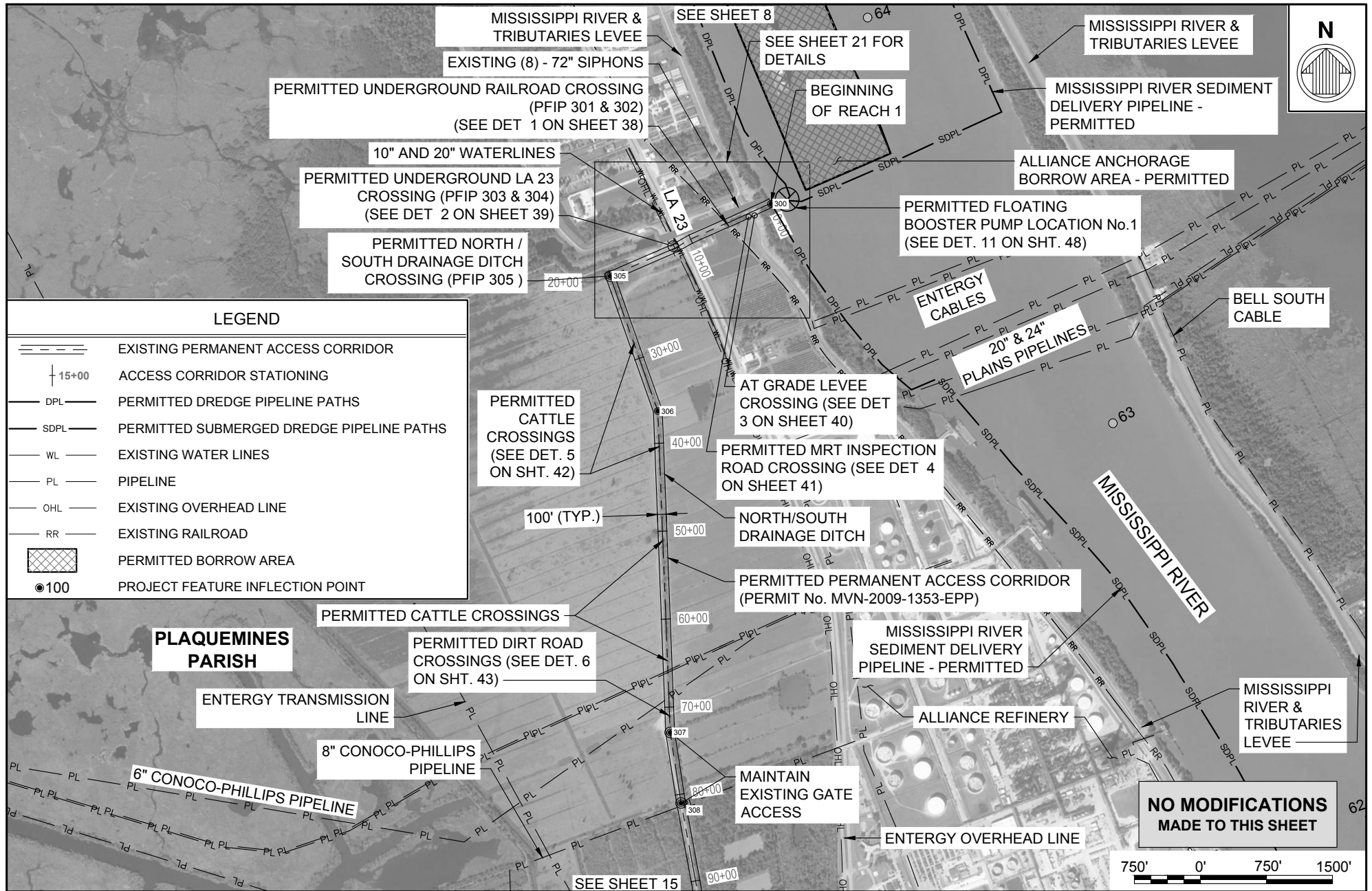
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL ALLIANCE SOUTH SECTION - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207

OMITTED SHEET 12 OF 54

BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	MYRTLE GROVE BORROW AREA LAYOUT - OMITTED	
							STATE PROJECT NUMBER:
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207	SHEET 12 OF 54

OMITTED SHEET 13 OF 54

BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	MYRTLE GROVE BORROW AREA TYPICAL SECTION - OMITTED	
							STATE PROJECT NUMBER:
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207	SHEET 13 OF 54



BY	DESCRIPTION	DATE


moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

**LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT**

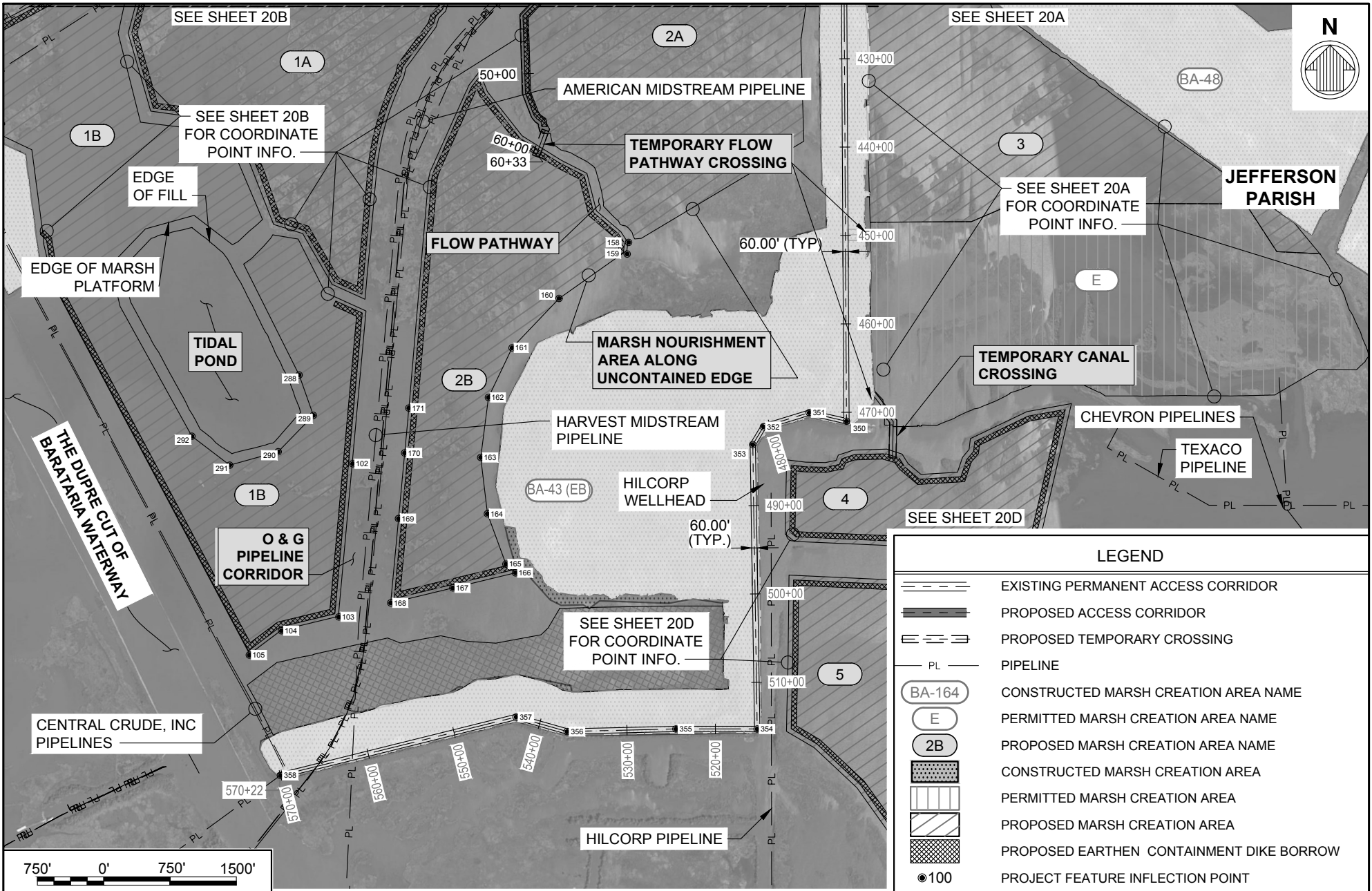
STATE PROJECT NUMBER: _____

FEDERAL PROJECT NUMBER: BA-207

**PERMANENT ACCESS
 CORRIDOR LAYOUT
 (SHEET 1 OF 4) -
 PERMITTED**

DATE: JUNE, 2020

SHEET 14 OF 54



BY	DESCRIPTION	DATE

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

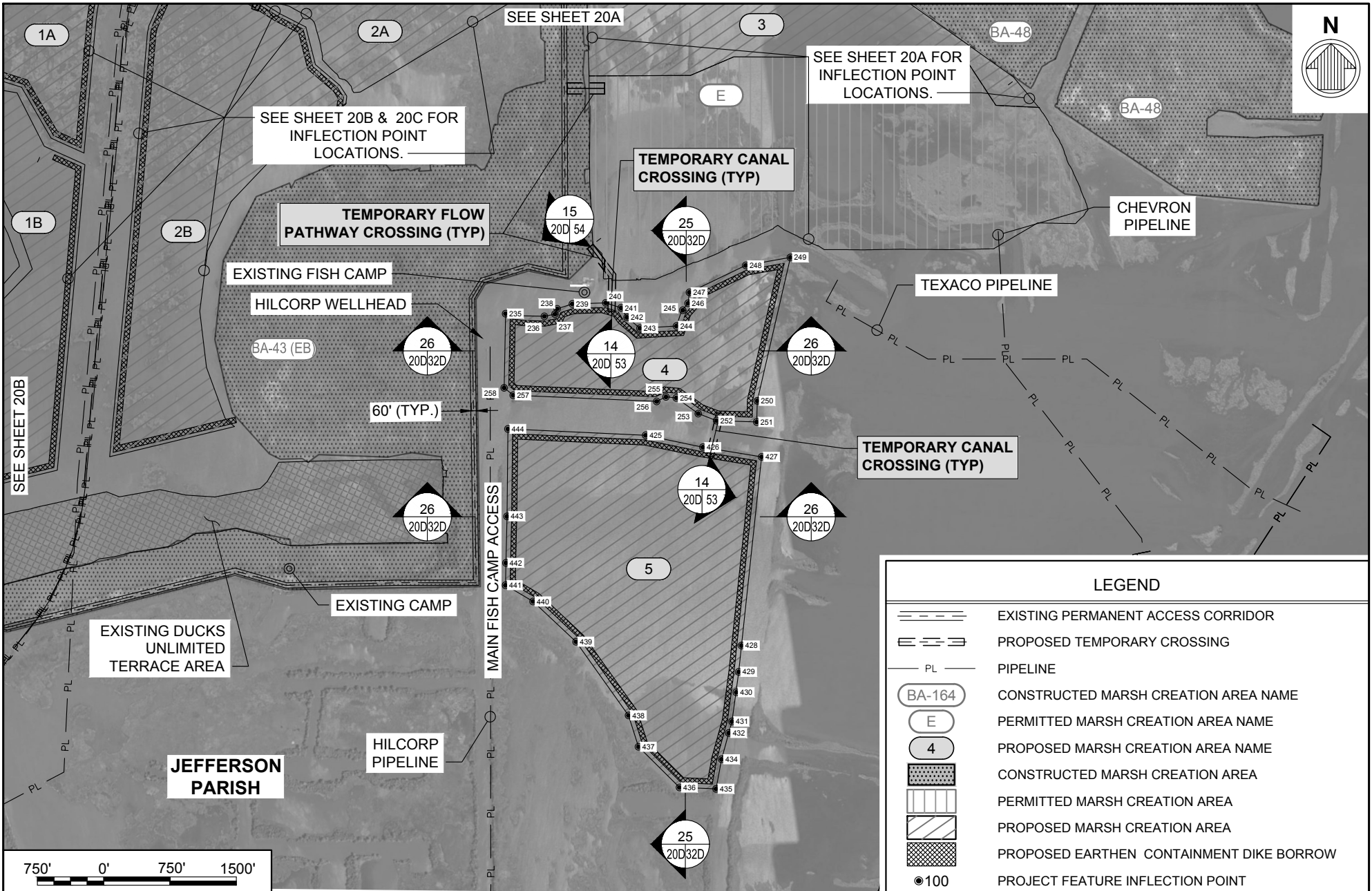
DRAWN BY: JAD DESIGNED BY: NC APPROVED BY: _____

**LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT**

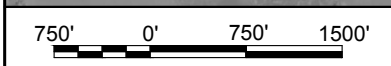
STATE PROJECT NUMBER: _____
 FEDERAL PROJECT NUMBER: BA-207

**MARSH CREATION
 AREAS - 1B & 2B -
 PROPOSED**

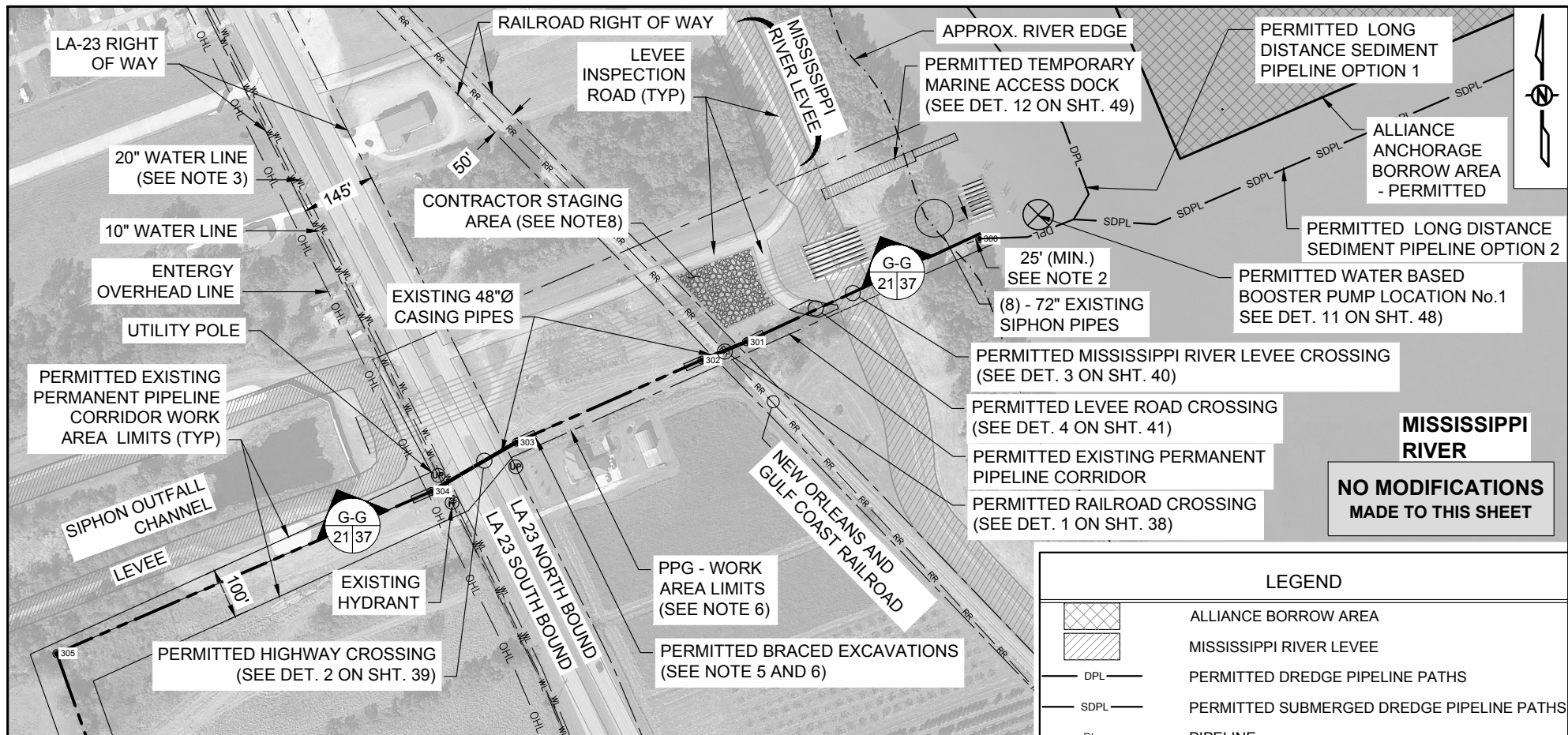
DATE: JUNE, 2020
 SHEET 20C OF 54



LEGEND	
	EXISTING PERMANENT ACCESS CORRIDOR
	PROPOSED TEMPORARY CROSSING
	PIPELINE
	CONSTRUCTED MARSH CREATION AREA NAME
	PERMITTED MARSH CREATION AREA NAME
	PROPOSED MARSH CREATION AREA NAME
	CONSTRUCTED MARSH CREATION AREA
	PERMITTED MARSH CREATION AREA
	PROPOSED MARSH CREATION AREA
	PROPOSED EARTHEN CONTAINMENT DIKE BORROW
	PROJECT FEATURE INFLECTION POINT



BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; text-align: center;"> MARSH CREATION AREAS - 4 & 5 - PROPOSED </div>		
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 20D OF 54



- NOTES:**
1. BACKGROUND AERIAL IMAGE GOOGLE EARTH IMAGERY, DATED 2019.
 2. 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.
 3. THE CONTRACTOR SHALL VERIFY WATER LINE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
 4. REFER TO SHEETS 37 TO 41 FOR ALL CROSSING DETAIL INFORMATION.
 5. PLAQUEMINES PARISH GOVERNMENT (PPG) PROPERTY LINES ARE DELINEATED BY DRAINAGE DITCHES.
 6. TEMPORARY STOCKPILED MATERIAL FROM BRACED EXCAVATIONS SHALL BE PLACED WITHIN PLAQUEMINES PARISH GOVERNMENT (PPG) WORK AREA LIMITS. A TEMPORARY MARINE ACCESS DOCK SHALL BE PLACED PRIOR TO THE START OF CONSTRUCTION AND SHALL BE MAINTAINED DURING THE CONSTRUCTION OF THIS PROJECT. THIS TEMPORARY DOCK SHALL BE REMOVED ONCE THE CONSTRUCTION OF THIS PROJECT HAS BEEN COMPLETED.
 7. CONTRACTOR TO COORDINATE WITH PPG REGARDING USE OF THEIR PROPERTY FOR STAGING AREA.
 8. TEMPORARY ACCESS DOCK SHALL NOT DAMAGE EXISTING REVETMENT.

LEGEND

	ALLIANCE BORROW AREA
	MISSISSIPPI RIVER LEVEE
	PERMITTED DREDGE PIPELINE PATHS
	PERMITTED SUBMERGED DREDGE PIPELINE PATHS
	PIPELINE
	APPROXIMATE RIVER EDGE
	PROPERTY LINE
	CONSTRUCTION LIMITS
	RAILROAD
	EXISTING WATERLINE
	EXISTING OVERHEAD LINE
	PROJECT FEATURE INFLECTION POINT

300'
0'
300'
600'

BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		PIPELINE CORRIDOR - DETAIL A - PERMITTED
					STATE PROJECT NUMBER:		DATE: JUNE, 2020
					FEDERAL PROJECT NUMBER: BA-207		SHEET 21 OF 54
DRAWN BY: JAD					DESIGNED BY: NC	APPROVED BY:	

EXISTING PERMANENT ACCESS CORRIDOR - CONSTRUCTED / PERMITTED					
POINT #	LATITUDE	LONGITUDE	POINT #	LATITUDE	LONGITUDE
300	N29° 42' 03.55"	W89° 59' 01.44"	331	N29° 38' 57.33"	W90° 01' 40.53"
301	N29° 42' 01.58"	W89° 59' 06.71"	332	N29° 38' 55.85"	W90° 01' 46.47"
302	N29° 42' 01.24"	W89° 59' 07.71"	333	N29° 38' 55.39"	W90° 01' 52.52"
303	N29° 41' 59.67"	W89° 59' 11.90"	334	N29° 38' 55.40"	W90° 02' 00.71"
304	N29° 41' 58.73"	W89° 59' 13.82"	335	N29° 38' 54.26"	W90° 02' 05.00"
305	N29° 41' 55.64"	W89° 59' 22.27"	336	N29° 38' 51.24"	W90° 02' 06.67"
306	N29° 41' 40.40"	W89° 59' 16.32"	337	N29° 38' 48.03"	W90° 02' 07.20"
307	N29° 41' 04.23"	W89° 59' 15.22"	338	N29° 38' 45.29"	W90° 02' 08.26"
308	N29° 40' 56.28"	W89° 59' 13.92"	339	N29° 38' 43.58"	W90° 02' 11.97"
309	N29° 40' 16.32"	W89° 59' 06.00"	340	N29° 38' 42.10"	W90° 02' 15.78"
310	N29° 40' 05.58"	W89° 59' 04.03"	341	N29° 38' 37.05"	W90° 02' 25.47"
311	N29° 40' 00.10"	W89° 58' 59.20"	342	N29° 38' 36.71"	W90° 02' 26.07"
312	N29° 39' 27.63"	W90° 00' 36.45"	343	N29° 38' 33.02"	W90° 02' 32.02"
313	N29° 39' 26.32"	W90° 00' 40.52"	344	N29° 38' 29.70"	W90° 02' 36.66"
314	N29° 39' 25.26"	W90° 00' 42.84"	345	N29° 38' 23.16"	W90° 02' 45.01"
315	N29° 39' 21.00"	W90° 00' 44.18"	346	N29° 38' 17.99"	W90° 02' 48.83"
316	N29° 39' 20.08"	W90° 00' 45.51"	347	N29° 38' 08.30"	W90° 02' 52.14"
317	N29° 39' 19.67"	W90° 00' 47.36"	348	N29° 38' 03.70"	W90° 02' 54.05"
318	N29° 39' 18.35"	W90° 00' 51.73"	349	N29° 37' 47.94"	W90° 03' 03.37"
319	N29° 39' 13.49"	W90° 00' 59.89"	350	N29° 36' 48.43"	W90° 03' 03.76"
320	N29° 39' 11.57"	W90° 01' 06.43"	351	N29° 36' 49.44"	W90° 03' 08.53"
321	N29° 39' 11.17"	W90° 01' 09.43"	352	N29° 36' 47.92"	W90° 03' 14.40"
322	N29° 39' 11.71"	W90° 01' 13.41"	353	N29° 36' 45.93"	W90° 03' 15.80"
323	N29° 39' 12.07"	W90° 01' 16.15"	354	N29° 36' 14.08"	W90° 03' 15.64"
324	N29° 39' 12.08"	W90° 01' 19.20"	355	N29° 36' 14.19"	W90° 03' 26.04"
325	N29° 39' 10.50"	W90° 01' 23.40"	356	N29° 36' 14.03"	W90° 03' 39.98"
326	N29° 39' 09.03"	W90° 01' 25.46"	357	N29° 36' 15.72"	W90° 03' 46.51"
327	N29° 39' 06.93"	W90° 01' 27.77"	358	N29° 36' 09.48"	W90° 04' 16.78"
328	N29° 39' 03.93"	W90° 01' 29.37"			
329	N29° 39' 01.91"	W90° 01' 32.67"			
330	N29° 38' 59.09"	W90° 01' 36.77"			

BA-164 ACCESS CORRIDOR - CONSTRUCTED / PERMITTED		
POINT #	LATITUDE	LONGITUDE
359	N29° 38' 58.00"	W90° 01' 29.19"
360	N29° 38' 50.66"	W90° 01' 24.05"
361	N29° 38' 47.94"	W90° 01' 27.13"
362	N29° 38' 46.80"	W90° 01' 26.66"
363	N29° 38' 46.36"	W90° 01' 25.18"
364	N29° 38' 47.48"	W90° 01' 22.49"
365	N29° 38' 47.19"	W90° 01' 21.45"
366	N29° 38' 45.66"	W90° 01' 19.88"
367	N29° 38' 44.40"	W90° 01' 17.03"
368	N29° 38' 42.94"	W90° 01' 09.52"
369	N29° 38' 42.30"	W90° 01' 06.84"
370	N29° 38' 41.04"	W90° 00' 50.28"

BA-164 AREA C EARTHEN TERRACES CENTERLINE - PERMITTED		
POINT #	LATITUDE	LONGITUDE
382	N29° 38' 23.89"	W89° 59' 12.84"
383	N29° 38' 17.65"	W89° 59' 11.91"
384	N29° 38' 06.75"	W89° 59' 10.29"
385	N29° 38' 27.23"	W89° 59' 09.90"
386	N29° 38' 21.09"	W89° 59' 08.99"
387	N29° 38' 18.03"	W89° 59' 08.54"
388	N29° 38' 07.14"	W89° 59' 06.92"
389	N29° 38' 27.29"	W89° 59' 06.48"
390	N29° 38' 18.28"	W89° 59' 05.15"
391	N29° 38' 07.52"	W89° 59' 03.55"
392	N29° 38' 27.33"	W89° 59' 03.06"
393	N29° 38' 15.48"	W89° 59' 01.30"
394	N29° 38' 07.90"	W89° 59' 00.18"
395	N29° 38' 22.41"	W89° 58' 58.90"
396	N29° 38' 12.67"	W89° 58' 57.46"
397	N29° 38' 08.28"	W89° 58' 56.80"
398	N29° 38' 03.83"	W89° 58' 56.08"
399	N29° 38' 09.87"	W89° 58' 53.61"

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; text-align: center;"> PROJECT ALIGNMENT TABLES - PERMITTED </div>		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 22A OF 54
DRAWN BY: JAD					DESIGNED BY: NC	APPROVED BY:		

FLOTATION ACCESS CHANNEL - PERMITTED		
POINT #	LATITUDE	LONGITUDE
50	N29° 38' 34.63"	W90° 05' 44.88"
51	N29° 38' 36.74"	W90° 05' 39.92"
52	N29° 38' 36.32"	W90° 05' 37.88"
53	N29° 38' 34.42"	W90° 05' 36.16"
54	N29° 38' 33.39"	W90° 05' 35.00"
55	N29° 38' 29.90"	W90° 05' 22.52"
56	N29° 38' 29.88"	W90° 05' 19.47"
57	N29° 38' 31.36"	W90° 05' 18.08"
58	N29° 38' 34.35"	W90° 05' 16.55"
59	N29° 38' 36.13"	W90° 05' 13.04"
60	N29° 38' 36.86"	W90° 05' 05.63"
61	N29° 38' 34.72"	W90° 04' 54.76"
62	N29° 38' 33.02"	W90° 04' 49.12"
63	N29° 38' 25.95"	W90° 04' 37.62"
64	N29° 38' 19.42"	W90° 04' 32.39"
65	N29° 38' 15.21"	W90° 04' 24.55"
66	N29° 38' 13.01"	W90° 04' 16.26"
67	N29° 38' 10.62"	W90° 04' 10.94"
68	N29° 38' 00.69"	W90° 03' 57.65"
69	N29° 37' 59.04"	W90° 03' 54.92"
70	N29° 37' 58.28"	W90° 03' 52.16"
71	N29° 37' 59.97"	W90° 03' 42.28"
72	N29° 37' 59.35"	W90° 03' 40.15"
73	N29° 37' 58.15"	W90° 03' 38.50"
74	N29° 37' 55.97"	W90° 03' 36.58"
75	N29° 37' 54.82"	W90° 03' 34.40"
76	N29° 37' 52.81"	W90° 03' 24.03"
77	N29° 37' 52.96"	W90° 03' 16.30"
78	N29° 37' 53.59"	W90° 03' 10.49"
79	N29° 37' 54.37"	W90° 03' 09.52"

POINT #	LATITUDE	LONGITUDE
80	N29° 37' 57.40"	W90° 03' 08.20"
81	N29° 37' 59.31"	W90° 03' 06.94"
82	N29° 38' 01.51"	W90° 03' 04.37"
83	N29° 38' 06.00"	W90° 02' 59.87"
84	N29° 38' 06.76"	W90° 02' 58.69"
85	N29° 38' 06.52"	W90° 02' 56.51"
86	N29° 38' 05.87"	W90° 02' 53.68"

EXISTING CASING PIPE ENDS - PERMITTED		
POINT #	LATITUDE	LONGITUDE
301	N29° 42' 01.58"	W89° 59' 06.71"
302	N29° 42' 01.24"	W89° 59' 07.71"
303	N29° 41' 59.67"	W89° 59' 11.90"
304	N29° 41' 58.73"	W89° 59' 13.82"

LAND BASED BOOSTER PUMP LOCATION (OPTION NO.2) - PERMITTED		
POINT #	LATITUDE	LONGITUDE
400	N29° 39' 57.76"	W89° 59' 12.50"
401	N29° 39' 58.83"	W89° 59' 09.33"
402	N29° 39' 57.45"	W89° 59' 08.71"
403	N29° 39' 56.38"	W89° 59' 11.89"

LAND BASED BOOSTER PUMP LOCATION (OPTION NO.3) - PERMITTED		
POINT #	LATITUDE	LONGITUDE
500	N29° 39' 29.18"	W90° 00' 36.52"
501	N29° 39' 30.78"	W90° 00' 31.76"
502	N29° 39' 29.86"	W90° 00' 31.35"
503	N29° 39' 28.49"	W90° 00' 35.40"

MARSH CREATION AREA 'D' - PERMITTED		
POINT #	LATITUDE	LONGITUDE
700	N29° 38' 35.06"	W90° 02' 20.76"
701	N29° 38' 31.52"	W90° 02' 20.98"
702	N29° 38' 29.13"	W90° 02' 18.84"
703	N29° 38' 28.00"	W90° 02' 09.34"
704	N29° 38' 28.78"	W90° 02' 07.36"
705	N29° 38' 28.50"	W90° 02' 06.04"
706	N29° 38' 26.67"	W90° 02' 06.05"
707	N29° 38' 22.27"	W90° 02' 06.90"
708	N29° 38' 16.06"	W90° 02' 04.54"
709	N29° 38' 09.02"	W90° 01' 59.94"
710	N29° 38' 01.00"	W90° 01' 51.22"
711	N29° 38' 01.18"	W90° 01' 46.97"
712	N29° 37' 56.65"	W90° 01' 43.17"
713	N29° 37' 59.21"	W90° 01' 36.07"
714	N29° 37' 56.74"	W90° 01' 33.86"
715	N29° 37' 50.91"	W90° 01' 34.83"
716	N29° 37' 57.51"	W90° 01' 28.51"
717	N29° 38' 06.23"	W90° 01' 19.13"
718	N29° 38' 08.07"	W90° 01' 21.75"
719	N29° 38' 11.99"	W90° 01' 19.15"
720	N29° 38' 20.67"	W90° 01' 09.79"
721	N29° 38' 33.38"	W90° 00' 58.95"
722	N29° 38' 39.50"	W90° 00' 53.20"
723	N29° 38' 40.34"	W90° 00' 54.42"
724	N29° 38' 41.18"	W90° 01' 01.23"
725	N29° 38' 41.08"	W90° 01' 06.96"
726	N29° 38' 41.52"	W90° 01' 09.82"
727	N29° 38' 42.49"	W90° 01' 12.50"
728	N29° 38' 43.29"	W90° 01' 19.18"
729	N29° 38' 45.68"	W90° 01' 23.32"

POINT #	LATITUDE	LONGITUDE
730	N29° 38' 44.98"	W90° 01' 24.74"
731	N29° 38' 45.04"	W90° 01' 27.13"
732	N29° 38' 47.15"	W90° 01' 29.03"
733	N29° 38' 51.02"	W90° 01' 26.53"
734	N29° 38' 59.36"	W90° 01' 32.58"

NOTE:
MCA 'D' - PROJECT FEATURE INFLECTION POINTS EDITED TO ALIGN WITH PERIMETER AS-BUILT SURVEYS OF BA-43(EB) AND BA-48 CONSTRUCTED PROJECTS.

MARSH CREATION AREA 'E' - PERMITTED		
POINT #	LATITUDE	LONGITUDE
207	N29° 37' 06.72"	W90° 02' 08.50"
208	N29° 37' 06.55"	W90° 02' 02.91"
209	N29° 37' 02.46"	W90° 02' 00.46"
210	N29° 36' 54.84"	W90° 01' 57.13"
211	N29° 36' 53.63"	W90° 01' 58.38"
212	N29° 36' 53.67"	W90° 02' 03.20"
213	N29° 36' 50.83"	W90° 02' 08.83"
214	N29° 36' 50.94"	W90° 02' 30.53"
215	N29° 36' 53.72"	W90° 02' 36.50"
216	N29° 36' 47.84"	W90° 02' 52.22"
217	N29° 36' 47.77"	W90° 02' 57.27"
218	N29° 36' 50.54"	W90° 02' 59.05"
219	N29° 37' 10.68"	W90° 02' 58.57"
220	N29° 37' 10.62"	W90° 02' 47.48"
221	N29° 37' 12.64"	W90° 02' 41.90"
222	N29° 37' 12.27"	W90° 02' 12.30"

NOTE:
FLOTATION ACCESS CHANNEL PROJECT FEATURE INFLECTION POINTS MODIFIED TO FOLLOW EXISTING SOUTHERN SHORELINE OF THE PEN.

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; text-align: center;"> PROJECT ALIGNMENT TABLES - PERMITTED </div>		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					FEDERAL PROJECT NUMBER: BA-207	SHEET 22B OF 54

PROPOSED MARSH CREATION AREA '1A'					
POINT #	LATITUDE	LONGITUDE	POINT #	LATITUDE	LONGITUDE
1	N29° 37' 42.96"	W90° 04' 32.12"	31	N29° 37' 26.58"	W90° 04' 00.44"
2	N29° 37' 46.74"	W90° 04' 23.87"	32	N29° 37' 22.75"	W90° 04' 02.15"
3	N29° 37' 50.51"	W90° 04' 15.62"	33	N29° 37' 17.74"	W90° 04' 03.44"
4	N29° 37' 54.28"	W90° 04' 07.37"	34	N29° 37' 11.63"	W90° 04' 04.16"
5	N29° 37' 58.05"	W90° 03' 59.12"	35	N29° 37' 02.59"	W90° 04' 05.21"
6	N29° 37' 57.63"	W90° 03' 57.82"	36	N29° 37' 04.35"	W90° 04' 09.52"
7	N29° 37' 56.75"	W90° 03' 55.94"	37	N29° 37' 10.07"	W90° 04' 13.22"
8	N29° 37' 55.77"	W90° 03' 52.87"	38	N29° 37' 11.13"	W90° 04' 16.93"
9	N29° 37' 55.59"	W90° 03' 50.58"	39	N29° 37' 16.86"	W90° 04' 19.15"
10	N29° 37' 56.59"	W90° 03' 44.75"	40	N29° 37' 22.60"	W90° 04' 21.88"
11	N29° 37' 57.20"	W90° 03' 43.37"	41	N29° 37' 23.96"	W90° 04' 32.52"
12	N29° 37' 57.23"	W90° 03' 41.85"	42	N29° 37' 32.77"	W90° 04' 35.32"
13	N29° 37' 56.62"	W90° 03' 40.93"	812	N29° 37' 55.81"	W90° 04' 03.46"
14	N29° 37' 55.50"	W90° 03' 40.22"	813	N29° 37' 40.48"	W90° 04' 16.15"
15	N29° 37' 53.76"	W90° 03' 38.88"	814	N29° 37' 50.14"	W90° 03' 52.47"
16	N29° 37' 53.12"	W90° 03' 37.15"	815	N29° 37' 27.97"	W90° 04' 27.18"
17	N29° 37' 52.80"	W90° 03' 37.12"	816	N29° 37' 18.60"	W90° 04' 07.18"
18	N29° 37' 47.88"	W90° 03' 41.83"	817	N29° 37' 45.59"	W90° 04' 26.24"
19	N29° 37' 46.16"	W90° 03' 42.77"	818	N29° 37' 39.92"	W90° 04' 01.38"
20	N29° 37' 45.40"	W90° 03' 43.61"			
21	N29° 37' 44.87"	W90° 03' 44.67"			
22	N29° 37' 44.84"	W90° 03' 45.50"			
23	N29° 37' 40.90"	W90° 03' 50.83"			
24	N29° 37' 39.60"	W90° 03' 51.67"			
25	N29° 37' 38.66"	W90° 03' 53.28"			
26	N29° 37' 36.78"	W90° 03' 53.74"			
27	N29° 37' 34.83"	W90° 03' 54.47"			
28	N29° 37' 34.05"	W90° 03' 55.35"			
29	N29° 37' 33.05"	W90° 03' 55.73"			
30	N29° 37' 28.52"	W90° 03' 59.63"			

MARSH CREATION AREA '1B'		
POINT #	LATITUDE	LONGITUDE
100	N29° 37' 02.94"	W90° 04' 08.81"
101	N29° 37' 01.42"	W90° 04' 05.09"
102	N29° 36' 44.29"	W90° 04' 07.08"
103	N29° 36' 27.16"	W90° 04' 09.07"
104	N29° 36' 25.68"	W90° 04' 16.43"
105	N29° 36' 22.99"	W90° 04' 20.59"
106	N29° 37' 04.80"	W90° 04' 45.30"
107	N29° 37' 09.47"	W90° 04' 46.47"
108	N29° 37' 10.08"	W90° 04' 47.15"
109	N29° 37' 31.79"	W90° 04' 57.02"
110	N29° 37' 42.34"	W90° 04' 33.48"
111	N29° 37' 38.53"	W90° 04' 34.69"

MARSH CREATION AREA '1B' - TIDAL POND		
POINT #	LATITUDE	LONGITUDE
285	N29° 37' 12.29"	W90° 04' 27.05"
286	N29° 37' 09.00"	W90° 04' 22.24"
287	N29° 37' 06.78"	W90° 04' 20.77"
288	N29° 36' 54.29"	W90° 04' 13.82"
289	N29° 36' 49.75"	W90° 04' 12.05"
290	N29° 36' 45.73"	W90° 04' 16.60"
291	N29° 36' 44.28"	W90° 04' 22.84"
292	N29° 36' 47.56"	W90° 04' 27.65"
293	N29° 37' 02.20"	W90° 04' 36.66"
294	N29° 37' 06.82"	W90° 04' 37.83"
295	N29° 37' 10.84"	W90° 04' 33.29"

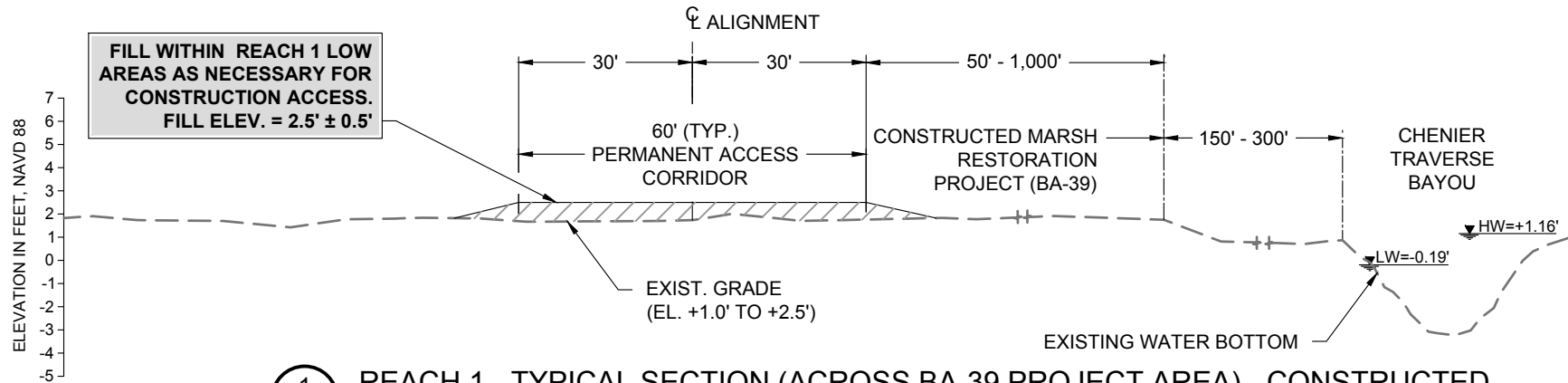
MARSH CREATION AREA '1B' (CONTINUED)		
POINT #	LATITUDE	LONGITUDE
450	N29° 37' 36.19"	W90° 04' 35.64"
451	N29° 37' 32.76"	W90° 04' 36.52"
452	N29° 37' 22.79"	W90° 04' 33.79"
453	N29° 37' 21.53"	W90° 04' 22.88"
454	N29° 37' 11.74"	W90° 04' 18.29"
455	N29° 37' 09.14"	W90° 04' 17.12"
456	N29° 37' 09.51"	W90° 04' 13.76"
457	N29° 37' 03.50"	W90° 04' 10.36"
458	N29° 37' 10.59"	W90° 04' 46.47"
459	N29° 37' 19.85"	W90° 04' 47.75"
460	N29° 37' 21.62"	W90° 04' 51.92"
461	N29° 37' 22.74"	W90° 04' 51.15"
462	N29° 37' 25.34"	W90° 04' 52.79"
463	N29° 37' 25.37"	W90° 04' 54.82"
464	N29° 37' 30.48"	W90° 04' 56.42"

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; text-align: center;"> PROJECT ALIGNMENT TABLES (SHEET 1 OF 2) - PROPOSED </div>		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					FEDERAL PROJECT NUMBER: BA-207	SHEET 23A OF 54

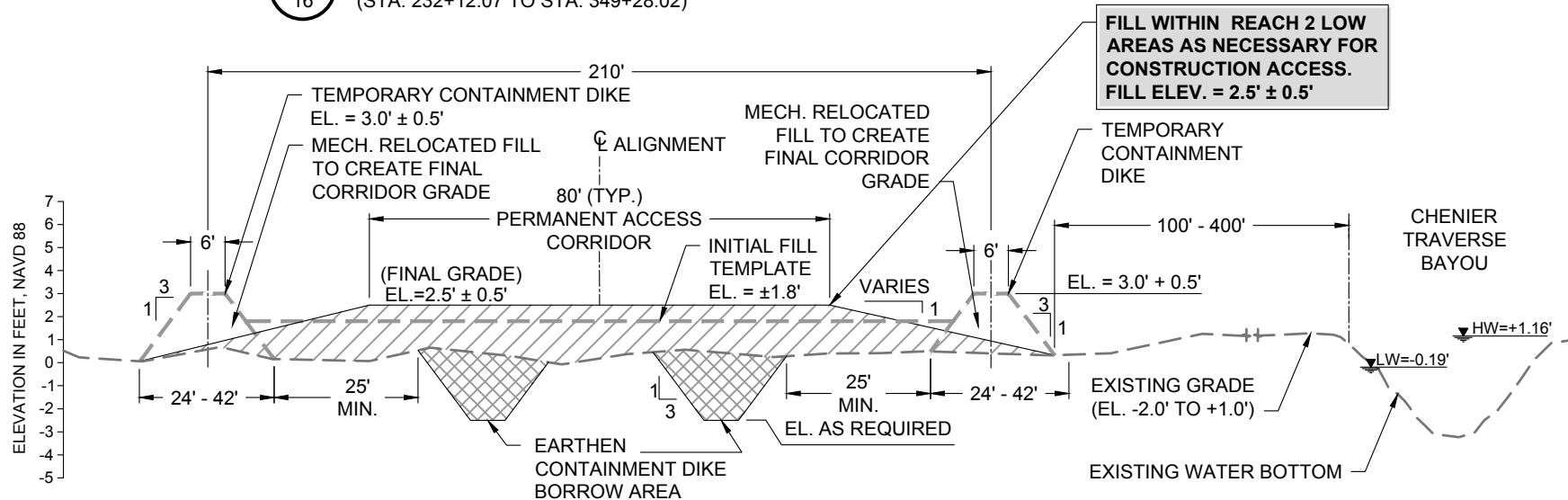
MARSH CREATION AREA '2A'			MARSH CREATION AREA '2B'			MARSH CREATION AREA '3'			MARSH CREATION AREA '4'			MARSH CREATION AREA '5'		
POINT #	LATITUDE	LONGITUDE	POINT #	LATITUDE	LONGITUDE	POINT #	LATITUDE	LONGITUDE	POINT #	LATITUDE	LONGITUDE	POINT #	LATITUDE	LONGITUDE
100	N29° 37' 02.94"	W90° 04' 08.81"	150	N29° 37' 28.22"	W90° 03' 50.27"	200	N29° 37' 46.34"	W90° 03' 01.54"	235	N29° 36' 44.18"	W90° 03' 11.49"	425	N29° 36' 30.39"	W90° 02' 53.71"
101	N29° 37' 01.42"	W90° 04' 05.09"	151	N29° 37' 25.83"	W90° 03' 49.21"	201	N29° 37' 24.70"	W90° 02' 29.22"	236	N29° 36' 43.83"	W90° 03' 06.52"	426	N29° 36' 28.98"	W90° 02' 46.40"
102	N29° 36' 44.29"	W90° 04' 07.08"	152	N29° 37' 23.35"	W90° 03' 47.03"	202	N29° 37' 22.96"	W90° 02' 44.81"	237	N29° 36' 44.06"	W90° 03' 05.15"	427	N29° 36' 27.82"	W90° 02' 38.89"
103	N29° 36' 27.16"	W90° 04' 09.07"	153	N29° 37' 20.87"	W90° 03' 44.85"	203	N29° 37' 21.19"	W90° 03' 00.66"	238	N29° 36' 44.65"	W90° 03' 04.86"	428	N29° 36' 06.72"	W90° 02' 41.74"
104	N29° 36' 25.68"	W90° 04' 16.43"	154	N29° 37' 18.12"	W90° 03' 39.94"	204	N29° 37' 28.69"	W90° 03' 00.39"	239	N29° 36' 45.19"	W90° 03' 02.92"	429	N29° 36' 03.78"	W90° 02' 42.13"
105	N29° 36' 22.99"	W90° 04' 20.59"	155	N29° 37' 16.58"	W90° 03' 36.58"	205	N29° 37' 34.01"	W90° 03' 00.71"	240	N29° 36' 45.26"	W90° 02' 58.64"	430	N29° 36' 01.50"	W90° 02' 42.47"
106	N29° 37' 04.80"	W90° 04' 45.30"	156	N29° 37' 12.35"	W90° 03' 35.41"	206	N29° 37' 42.80"	W90° 03' 00.57"	241	N29° 36' 44.68"	W90° 02' 56.68"	431	N29° 35' 58.23"	W90° 02' 43.07"
107	N29° 37' 09.47"	W90° 04' 46.47"	157	N29° 37' 09.98"	W90° 03' 32.30"	831	N29° 37' 41.07"	W90° 02' 57.29"	242	N29° 36' 43.61"	W90° 02' 55.93"	432	N29° 35' 56.96"	W90° 02' 43.49"
108	N29° 37' 10.08"	W90° 04' 47.15"	158	N29° 37' 08.74"	W90° 03' 31.41"	832	N29° 37' 25.76"	W90° 02' 54.50"	243	N29° 36' 42.38"	W90° 02' 54.30"	434	N29° 35' 54.02"	W90° 02' 44.46"
109	N29° 37' 31.79"	W90° 04' 57.02"	159	N29° 37' 07.43"	W90° 03' 31.62"	833	N29° 37' 32.71"	W90° 02' 43.99"	244	N29° 36' 42.58"	W90° 02' 49.61"	435	N29° 35' 50.72"	W90° 02' 45.21"
110	N29° 37' 42.34"	W90° 04' 33.48"	160	N29° 37' 02.54"	W90° 03' 40.40"				246	N29° 36' 45.11"	W90° 02' 48.09"	436	N29° 35' 50.92"	W90° 02' 49.89"
111	N29° 37' 38.53"	W90° 04' 34.69"	161	N29° 36' 57.07"	W90° 03' 46.49"				247	N29° 36' 46.33"	W90° 02' 47.91"	437	N29° 35' 55.52"	W90° 02' 55.08"
			162	N29° 36' 51.54"	W90° 03' 49.60"				248	N29° 36' 49.28"	W90° 02' 40.64"	438	N29° 35' 59.05"	W90° 02' 56.31"
			163	N29° 36' 44.83"	W90° 03' 50.66"				249	N29° 36' 50.12"	W90° 02' 34.92"	439	N29° 36' 07.36"	W90° 03' 02.94"
			164	N29° 36' 38.52"	W90° 03' 49.88"				250	N29° 36' 34.10"	W90° 02' 39.37"	440	N29° 36' 11.93"	W90° 03' 08.38"
			165	N29° 36' 32.85"	W90° 03' 47.59"				251	N29° 36' 31.74"	W90° 02' 39.46"	441	N29° 36' 13.78"	W90° 03' 11.89"
			166	N29° 36' 31.88"	W90° 03' 46.38"				252	N29° 36' 31.93"	W90° 02' 44.60"	442	N29° 36' 16.28"	W90° 03' 11.80"
			167	N29° 36' 30.26"	W90° 03' 54.42"				253	N29° 36' 32.75"	W90° 02' 46.95"	443	N29° 36' 21.49"	W90° 03' 11.59"
			168	N29° 36' 28.65"	W90° 04' 02.41"				254	N29° 36' 34.53"	W90° 02' 49.74"	444	N29° 36' 31.27"	W90° 03' 11.35"
			169	N29° 36' 38.09"	W90° 04' 01.29"				255	N29° 36' 34.66"	W90° 02' 51.06"			
			170	N29° 36' 45.43"	W90° 04' 00.41"				256	N29° 36' 34.16"	W90° 02' 52.26"			
			171	N29° 36' 50.45"	W90° 03' 59.81"				257	N29° 36' 35.04"	W90° 03' 10.63"			
			172	N29° 37' 11.29"	W90° 03' 57.50"				258	N29° 36' 35.88"	W90° 03' 11.78"			
			173	N29° 37' 16.09"	W90° 03' 57.07"									
			174	N29° 37' 16.91"	W90° 03' 56.85"									
			175	N29° 37' 26.56"	W90° 03' 51.75"									
			175	N29° 37' 26.56"	W90° 03' 51.75"									

MCA '2A' ACCESS CORRIDOR		
POINT #	LATITUDE	LONGITUDE
600	N29° 37' 45.90"	W90° 03' 03.73"
601	N29° 37' 49.22"	W90° 03' 09.28"
602	N29° 37' 49.81"	W90° 03' 11.04"
603	N29° 37' 49.10"	W90° 03' 24.81"
604	N29° 37' 49.63"	W90° 03' 27.12"
605	N29° 37' 34.07"	W90° 03' 44.13"
606	N29° 37' 25.67"	W90° 03' 43.94"
607	N29° 37' 23.32"	W90° 03' 42.93"
608	N29° 37' 22.57"	W90° 03' 42.07"
609	N29° 37' 21.52"	W90° 03' 41.38"

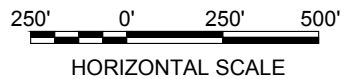
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	PROJECT ALIGNMENT TABLES (SHEET 2 OF 2) - PROPOSED				
DRAWN BY: JAD							DESIGNED BY: NC	APPROVED BY:	STATE PROJECT NUMBER:	DATE: JUNE, 2020
									FEDERAL PROJECT NUMBER: BA-207	SHEET 23B OF 54



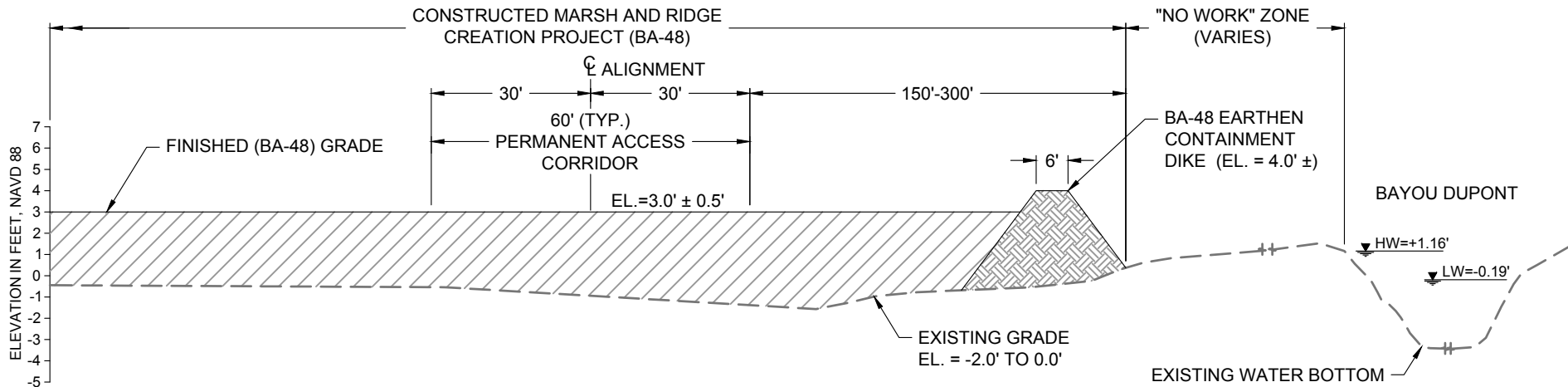
1 REACH 1 - TYPICAL SECTION (ACROSS BA-39 PROJECT AREA) - CONSTRUCTED
 16 (STA. 232+12.07 TO STA. 349+28.02)



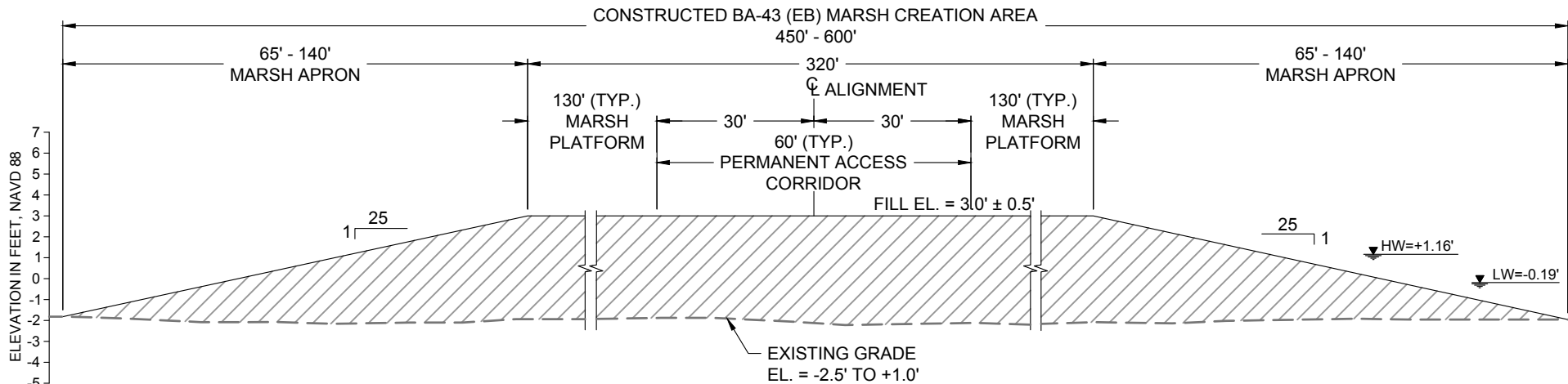
2 REACH 2 - TYPICAL SECTION (BETWEEN BA-39 & BAYOU DUPONT) - CONSTRUCTED
 16 (STA. 349+28.02 TO STA. 388+06.42)



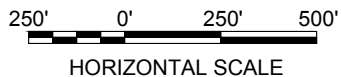
BY:	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS BA-39, BA-48, AND BA-43 (EB) (SHEET 1 OF 4) - CONSTRUCTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:		FEDERAL PROJECT NUMBER:	BA-207	SHEET 24 OF 54



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

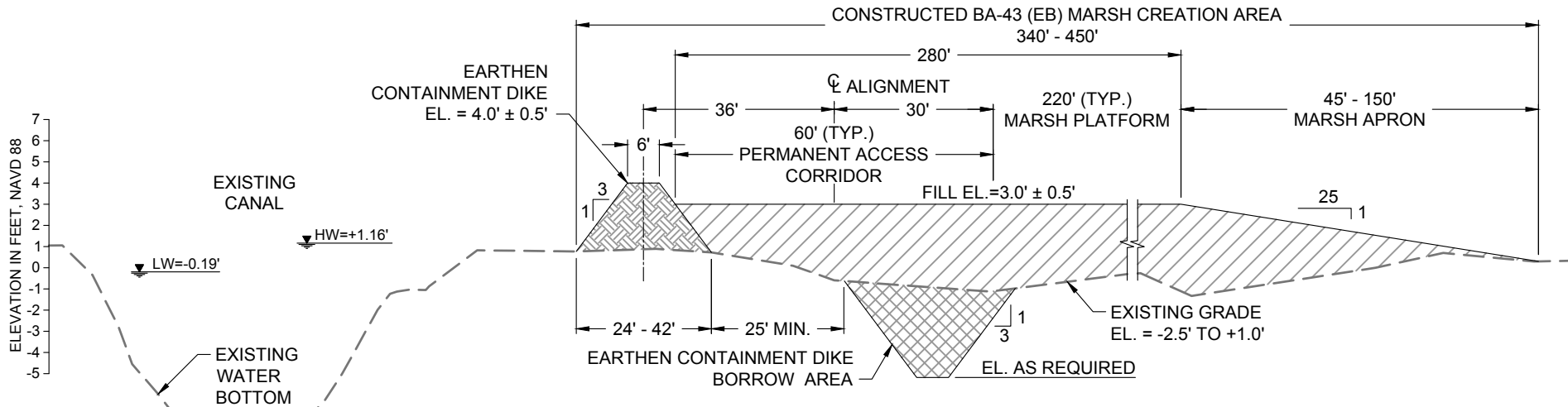


4 REACH 4 - TYPICAL SECTION (FROM BA-48 TO THE FISH CAMP) - CONSTRUCTED
 17 (STA. 410+90.02 TO STA. 468+07.70)

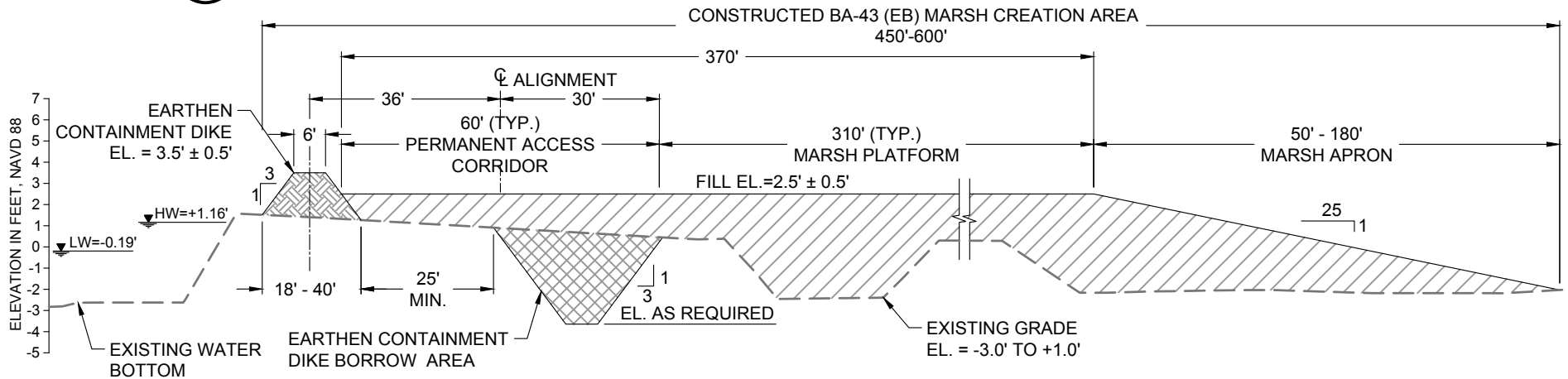


**NO MODIFICATIONS
 MADE TO THIS SHEET**

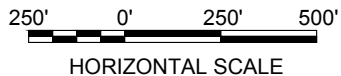
BY:	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS BA-39, BA-48, AND BA-43 (EB) (SHEET 2 OF 4) - CONSTRUCTED
						STATE PROJECT NUMBER:
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER: BA-207	SHEET 25 OF 54



5 REACH 5 - TYPICAL SECTION (FROM THE FISH CAMP TO STA 511+83.655) - CONSTRUCTED
 17 (STA. 468+07.70 TO STA. 511+83.65)

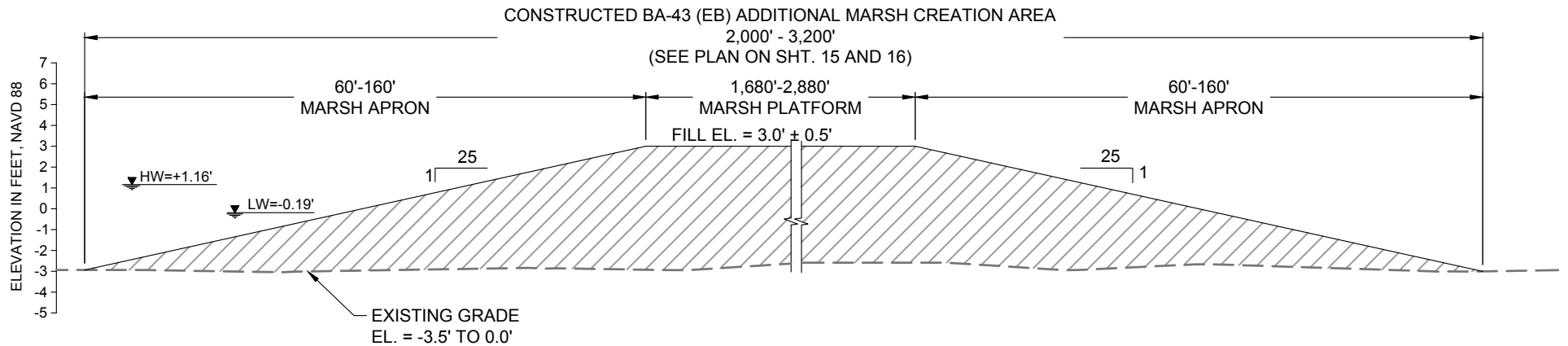


6 REACH 6 - TYPICAL SECTION (FROM STA 511+83.65 TO BARATARIA WATERWAY) - CONSTRUCTED
 17 (STA. 511+83.65 TO STA. 570+22.0)

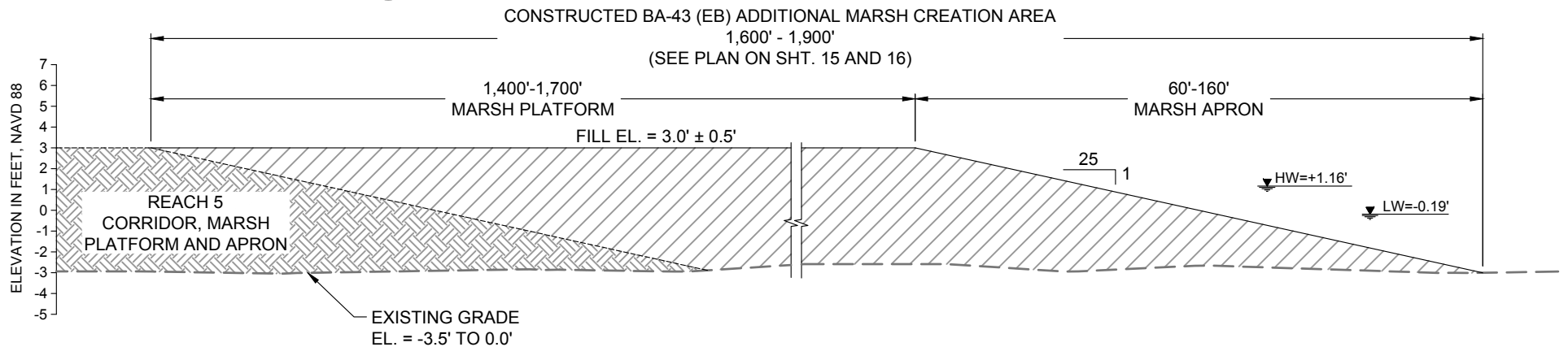


**NO MODIFICATIONS
 MADE TO THIS SHEET**

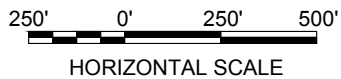
BY	DESCRIPTION	DATE	NOAA RESTORATION CENTER		LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS BA-39, BA-48, AND BA-43 (EB) (SHEET 3 OF 4) - CONSTRUCTED
			 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075			
					5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER: BA-207	SHEET 26 OF 54



7 BA-43 (EB) TYPICAL FILL SECTION - CONSTRUCTED
 (SOUTH TO NORTH)

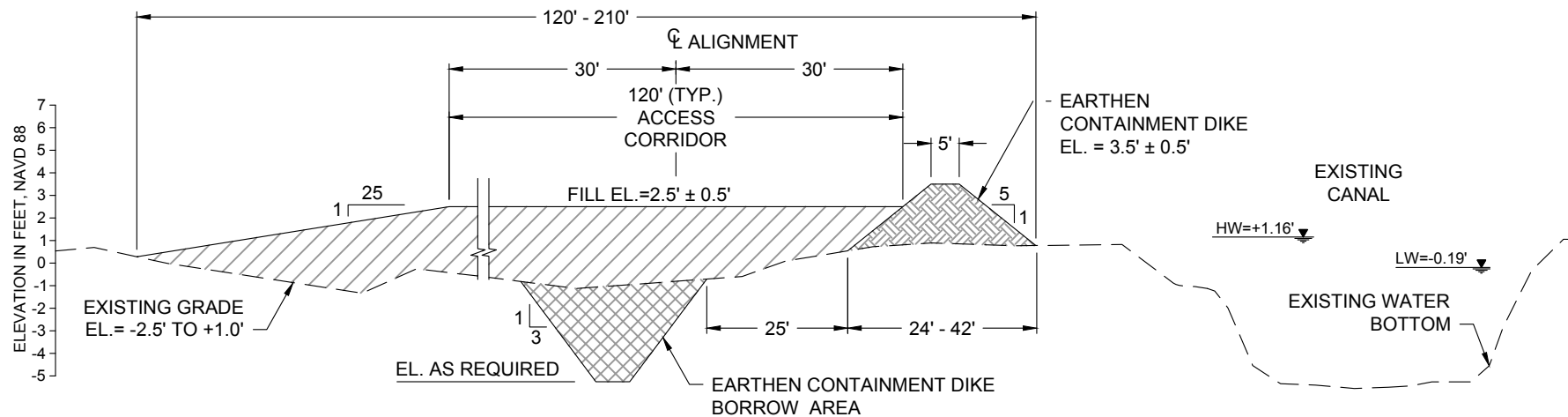


8 BA-43 (EB) TYPICAL FILL SECTION - CONSTRUCTED
 (EAST TO WEST)

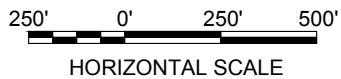


**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	NOAA RESTORATION CENTER		LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS BA-39, BA-48, AND BA-43 (EB) (SHEET 4 OF 4) - CONSTRUCTED	
			 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075		5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206		STATE PROJECT NUMBER: DATE: JUNE, 2020
DRAWN BY: JAD			DESIGNED BY: NC		APPROVED BY:		

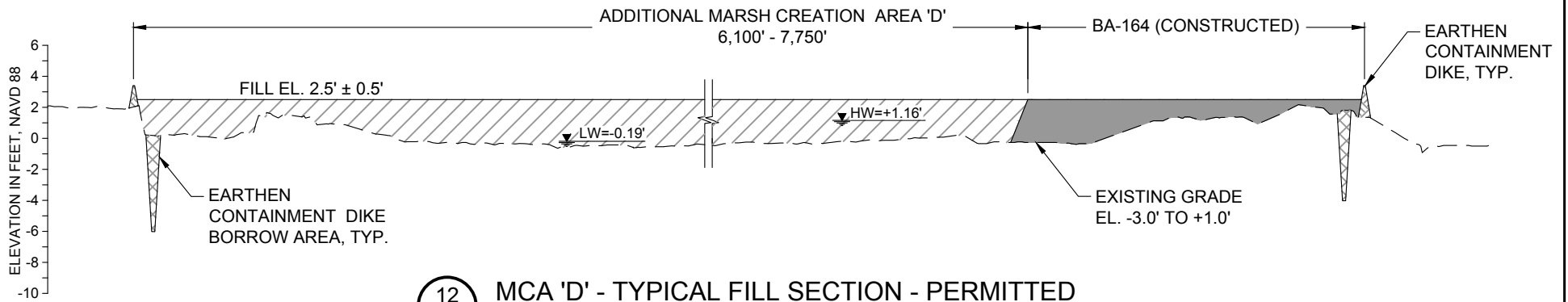


9 ACCESS CORRIDOR TYPICAL SECTION (TO ACCESS BA-164) - CONSTRUCTED
16 (STA. 602+34 TO STA. 656+22)

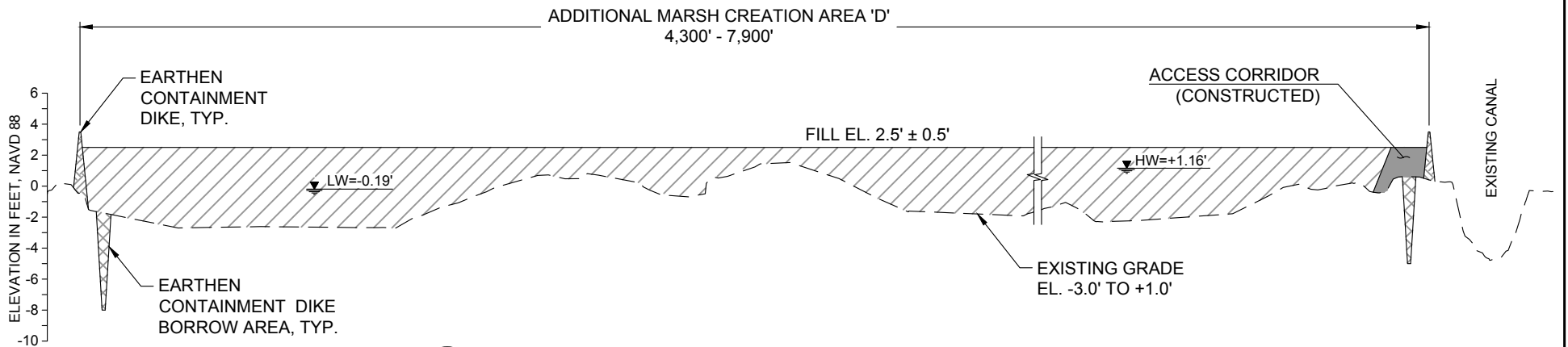


**NO MODIFICATIONS
MADE TO THIS SHEET**

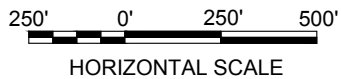
BY	DESCRIPTION	DATE	NOAA RESTORATION CENTER		LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTION BA-164 - CONSTRUCTED		
			 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075		5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206		STATE PROJECT NUMBER:	DATE: JUNE, 2020
					APPROVED BY:		FEDERAL PROJECT NUMBER: BA-207	SHEET 28 OF 54
DRAWN BY: JAD			DESIGNED BY: NC					



12 MCA 'D' - TYPICAL FILL SECTION - PERMITTED
 18 (NORTHWEST TO SOUTHEAST)

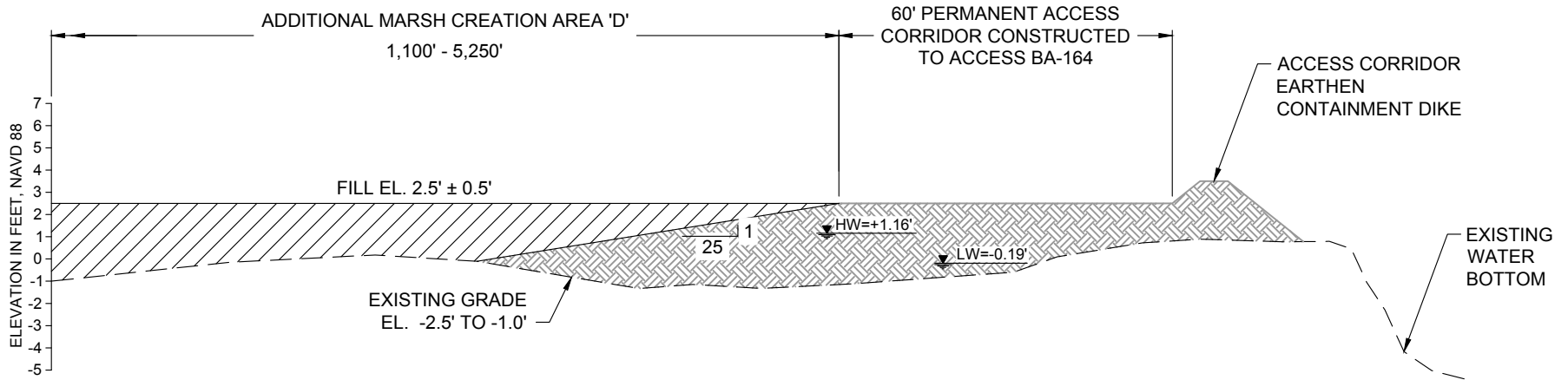


13 MCA 'D' - TYPICAL FILL SECTION - PERMITTED
 18 (SOUTHWEST TO NORTHEAST)

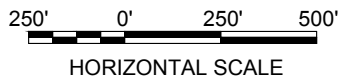


**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffett & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		TYPICAL FILL SECTIONS MCA D (SHEET 1 OF 2) - PERMITTED
					STATE PROJECT NUMBER:	DATE: JUNE, 2020	
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	FEDERAL PROJECT NUMBER: BA-207	SHEET 29 OF 54	

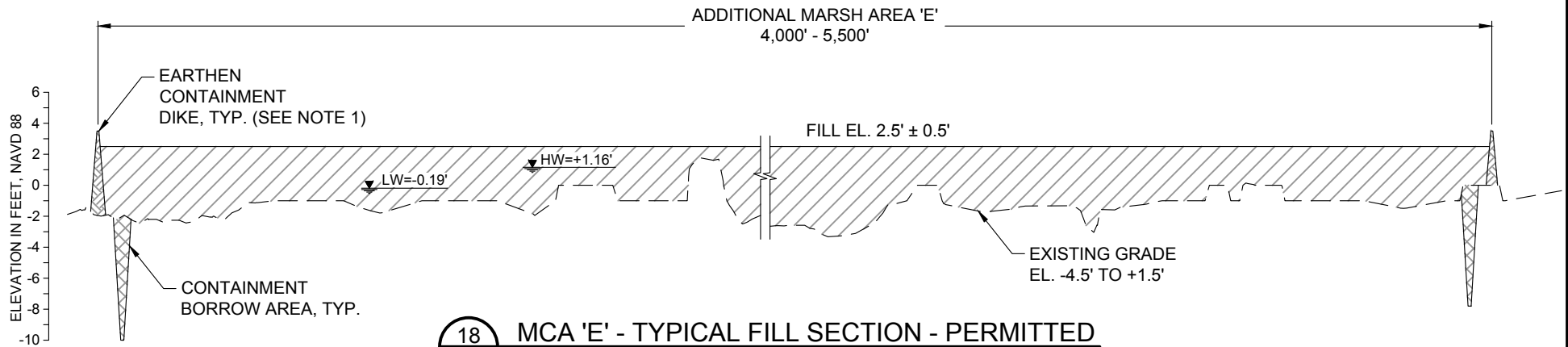


16 MCA 'D' - TYPICAL FILL SECTION (ADJACENT TO EXISTING ACCESS CORRIDOR) - PERMITTED
18 (WEST TO EAST)

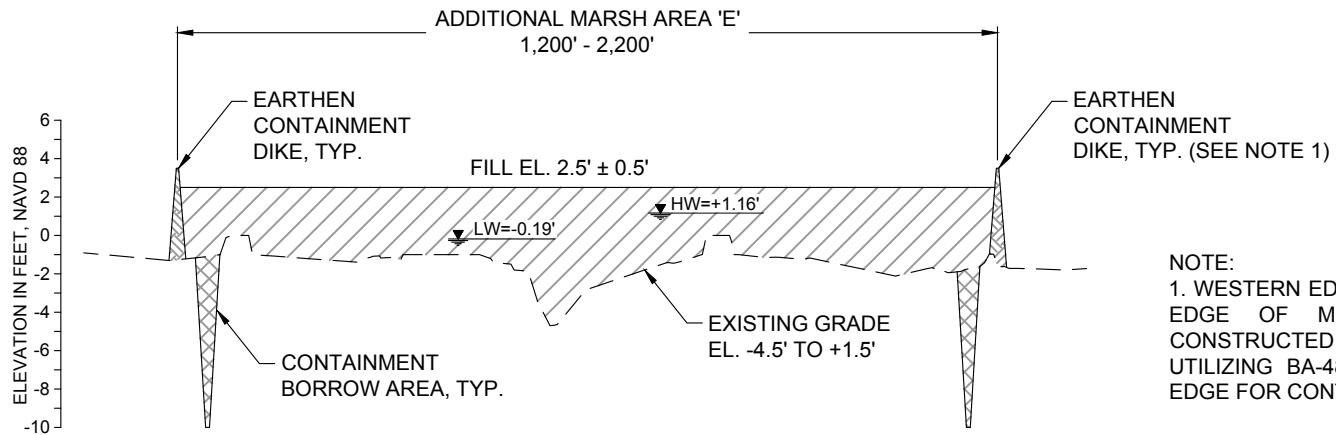


**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS (SHEET 2 OF 4) - PERMITTED
DRAWN BY: JAD					DESIGNED BY: NC	APPROVED BY:

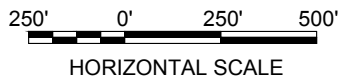


18 MCA 'E' - TYPICAL FILL SECTION - PERMITTED
 20A (WEST TO EAST)



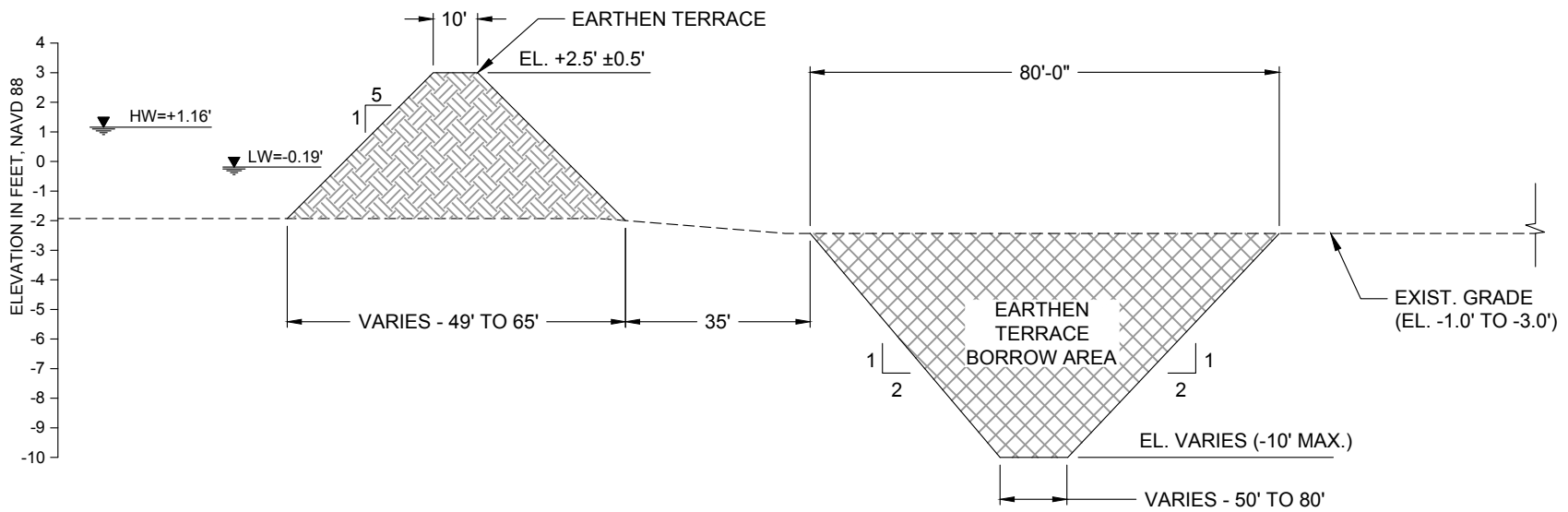
19 MCA 'E' - TYPICAL FILL SECTION - PERMITTED
 20A (SOUTH TO NORTH)

NOTE:
 1. WESTERN EDGE AND NORTHERN
 EDGE OF MCA 'E' MAY BE
 CONSTRUCTED UNCONTAINED,
 UTILIZING BA-48 AND MCA 3 FILL
 EDGE FOR CONTAINMENT.

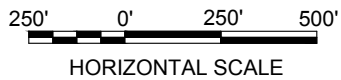


**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	NOAA RESTORATION CENTER		LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS MCA E - PERMITTED		
			 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075		5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206		STATE PROJECT NUMBER:	DATE: JUNE, 2020
					APPROVED BY:		FEDERAL PROJECT NUMBER: BA-207	SHEET 31 OF 54
DRAWN BY: JAD			DESIGNED BY: NC					

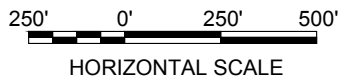
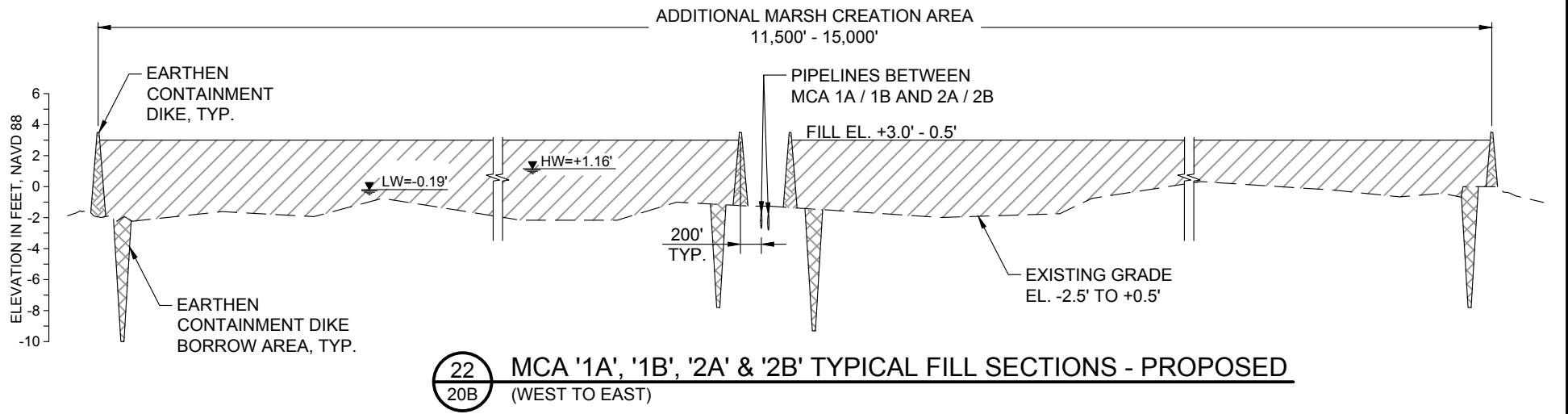
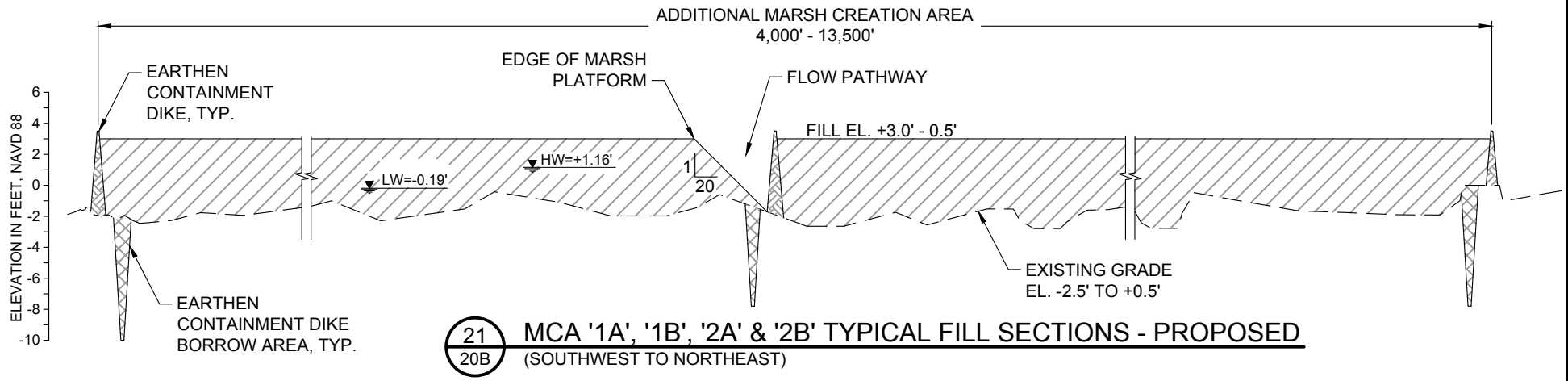


20
19
AREA 'B' AND AREA 'C' EARTHEN TERRACE TYPICAL SECTION
 SCALE: 1" = 500'



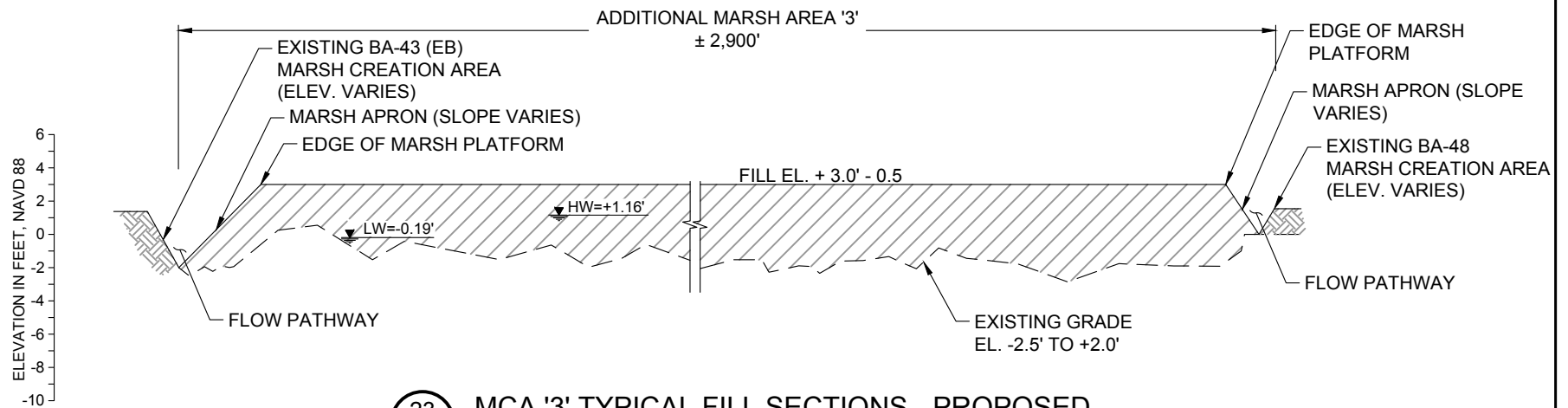
**NO MODIFICATIONS
MADE TO THIS SHEET**

	BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL SECTIONS EARTHEN TERRACES - PERMITTED
						STATE PROJECT NUMBER:	DATE: JUNE, 2020
	DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER: BA-207	SHEET 32A OF 54

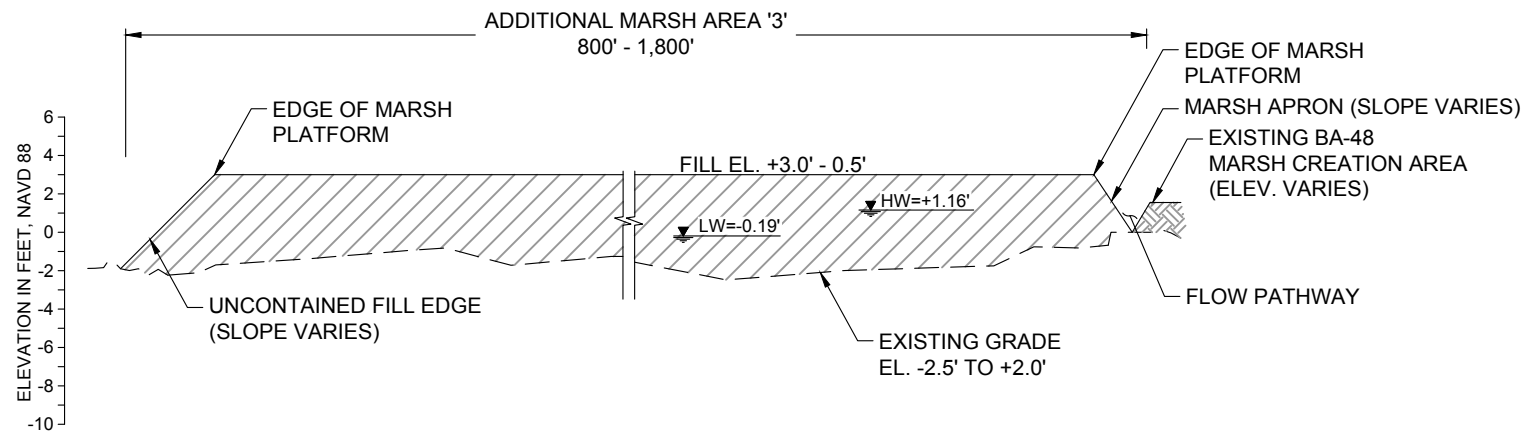


NOTE:
EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM AUGUST 2 THROUGH AUGUST 11, 2018 BY FUGRO USA LAND, INC.

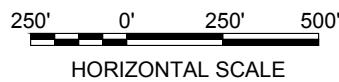
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL FILL SECTIONS (SHEET 1 OF 3) - PROPOSED
						STATE PROJECT NUMBER:
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207



23 MCA '3' TYPICAL FILL SECTIONS - PROPOSED
 20A (WEST TO EAST)

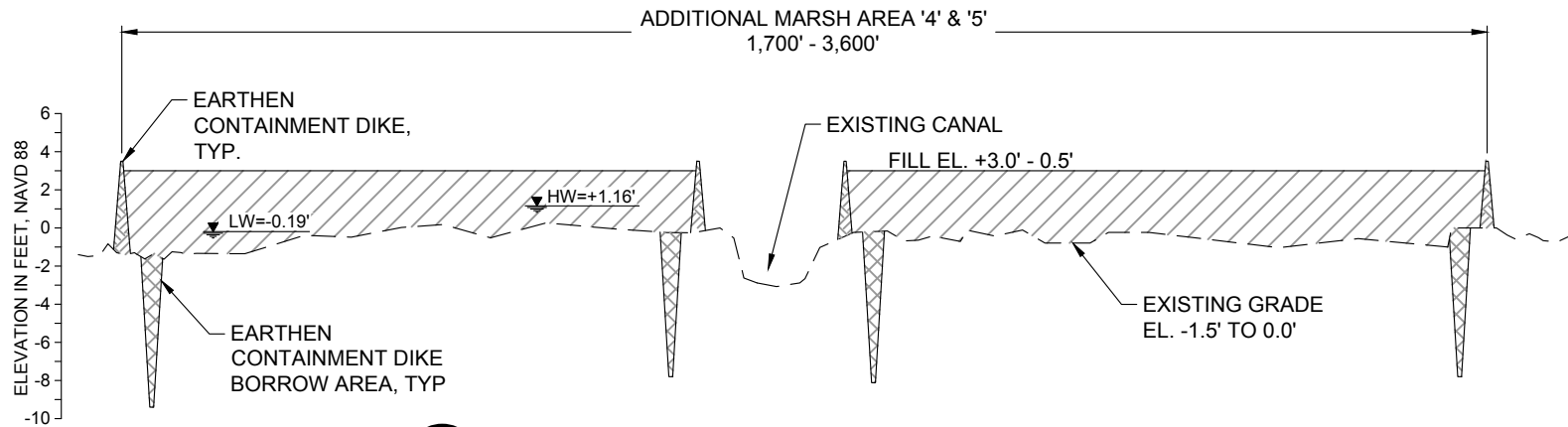


24 MCA '3' TYPICAL FILL SECTIONS - PROPOSED
 20A (SOUTH TO NORTH)

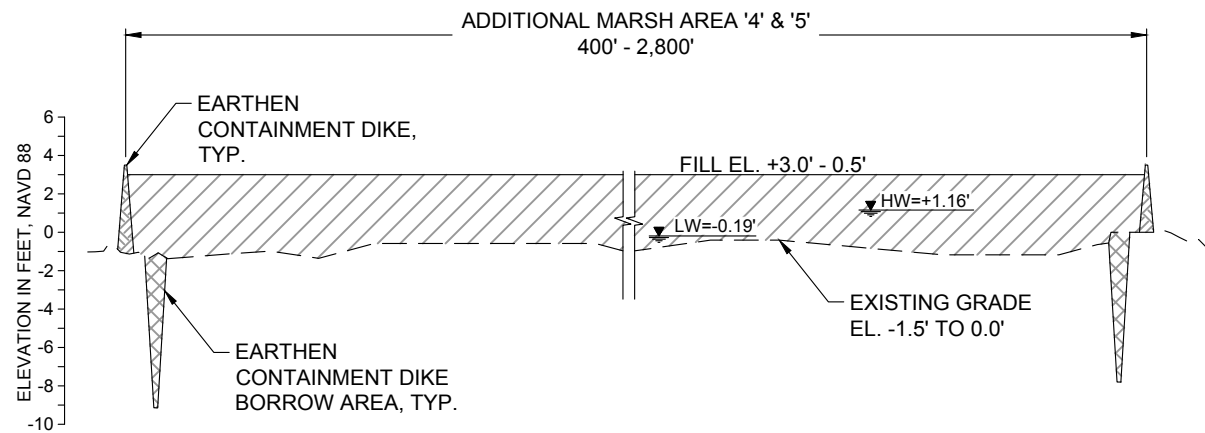


NOTE:
 EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM AUGUST 2 THROUGH AUGUST 11, 2018 BY FUGRO USA LAND, INC.

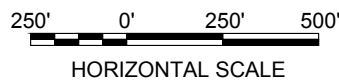
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		TYPICAL FILL SECTIONS (SHEET 2 OF 3) - PROPOSED
					STATE PROJECT NUMBER:	DATE: JUNE, 2020	
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	FEDERAL PROJECT NUMBER:	BA-207	SHEET 32C OF 54



25
20D **MCA '4' & '5' TYPICAL FILL SECTIONS - PROPOSED**
(SOUTH TO NORTH)

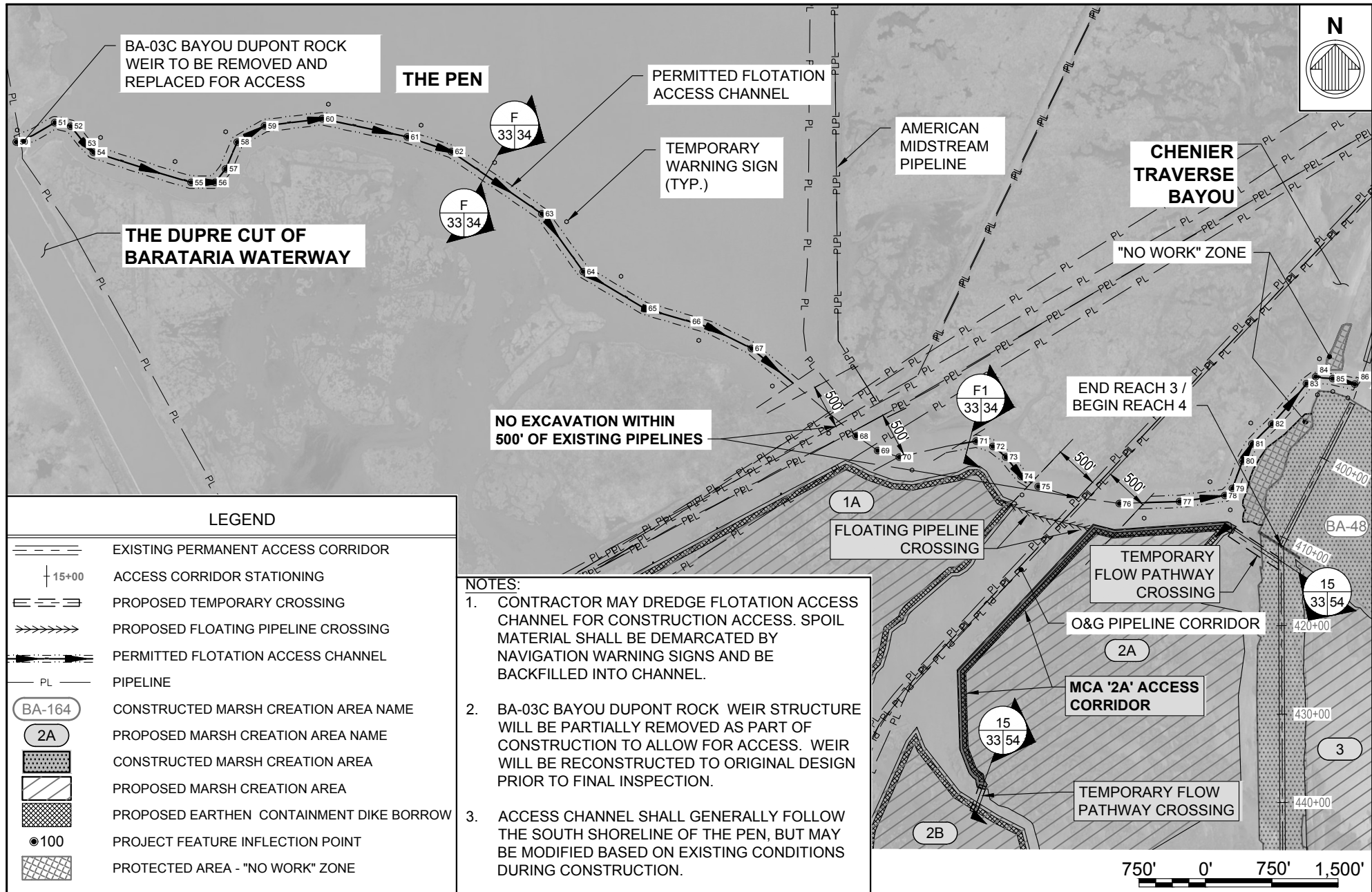


26
20D **MCA '4' & '5' TYPICAL FILL SECTIONS - PROPOSED**
(WEST TO EAST)



NOTE:
EXISTING GROUND ELEVATIONS BASED ON TOPOGRAPHIC SURVEYS PERFORMED FROM AUGUST 2 THROUGH AUGUST 11, 2018 BY FUGRO USA LAND, INC.

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		TYPICAL FILL SECTIONS (SHEET 3 OF 3) - PROPOSED
					STATE PROJECT NUMBER:		
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	FEDERAL PROJECT NUMBER: BA-207		SHEET 32D OF 54



LEGEND

	EXISTING PERMANENT ACCESS CORRIDOR
	ACCESS CORRIDOR STATIONING
	PROPOSED TEMPORARY CROSSING
	PROPOSED FLOATING PIPELINE CROSSING
	PERMITTED FLOTATION ACCESS CHANNEL
	PIPELINE
	CONSTRUCTED MARSH CREATION AREA NAME
	PROPOSED MARSH CREATION AREA NAME
	CONSTRUCTED MARSH CREATION AREA
	PROPOSED MARSH CREATION AREA
	PROPOSED EARTHEN CONTAINMENT DIKE BORROW
	PROJECT FEATURE INFLECTION POINT
	PROTECTED AREA - "NO WORK" ZONE

NOTES:

1. CONTRACTOR MAY DREDGE FLOTATION ACCESS CHANNEL FOR CONSTRUCTION ACCESS. SPOIL MATERIAL SHALL BE DEMARCATED BY NAVIGATION WARNING SIGNS AND BE BACKFILLED INTO CHANNEL.
2. BA-03C BAYOU DUPONT ROCK WEIR STRUCTURE WILL BE PARTIALLY REMOVED AS PART OF CONSTRUCTION TO ALLOW FOR ACCESS. WEIR WILL BE RECONSTRUCTED TO ORIGINAL DESIGN PRIOR TO FINAL INSPECTION.
3. ACCESS CHANNEL SHALL GENERALLY FOLLOW THE SOUTH SHORELINE OF THE PEN, BUT MAY BE MODIFIED BASED ON EXISTING CONDITIONS DURING CONSTRUCTION.

BY	DESCRIPTION	DATE

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

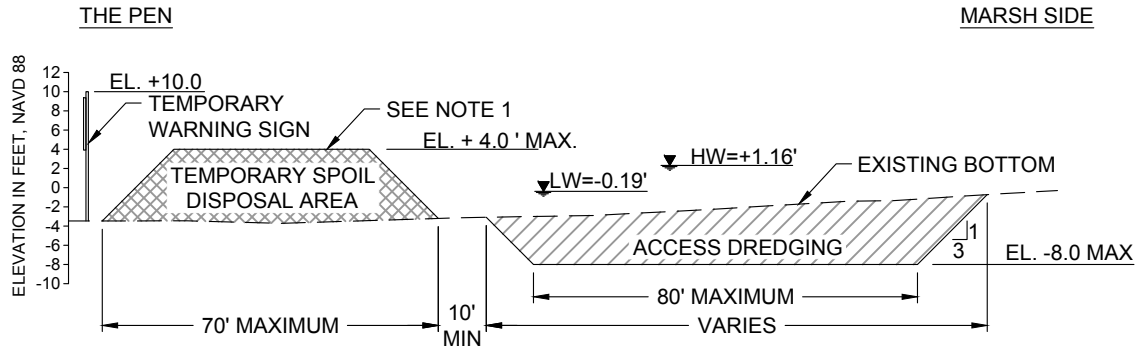
NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

**LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT**

STATE PROJECT NUMBER:
 FEDERAL PROJECT NUMBER: BA-207

FLOTATION ACCESS CHANNEL LAYOUT - PERMITTED

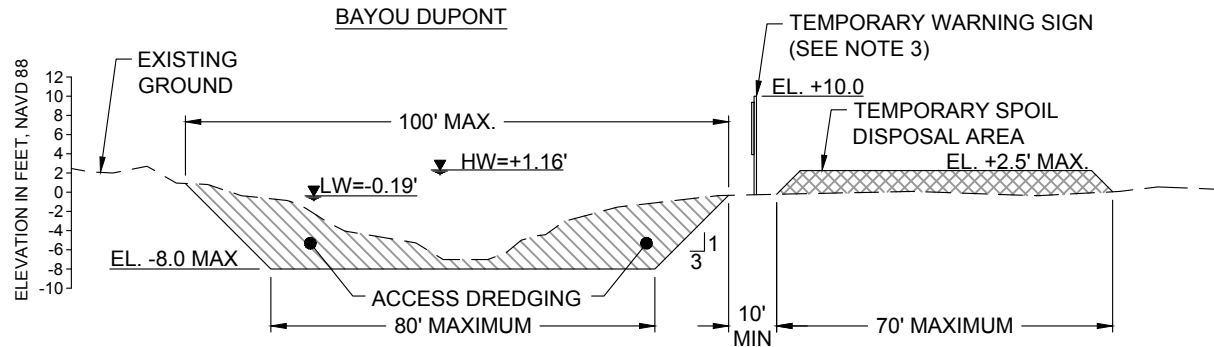
DATE: JUNE, 2020
 SHEET 33 OF 54



F
33 **TYPICAL ACCESS CHANNEL SECTION AT THE PEN - PERMITTED**
SCALE: 1" = 40'-0"

NOTES:

1. ACCESS CHANNEL TO BE DREDGED FOR CONSTRUCTION ACCESS.
2. MATERIAL EXCAVATED TO CONSTRUCT THE ACCESS CHANNEL SHALL BE PLACED ON THE LAKE SIDE AND BACKFILLED INTO THE ACCESS CHANNEL PRIOR TO FINAL INSPECTION.
3. TEMPORARY WARNING SIGNS SHALL BE PLACED AT A MAXIMUM SPACING OF 500 FT ALONG ALL TEMPORARY SPOIL DISPOSAL AREAS.



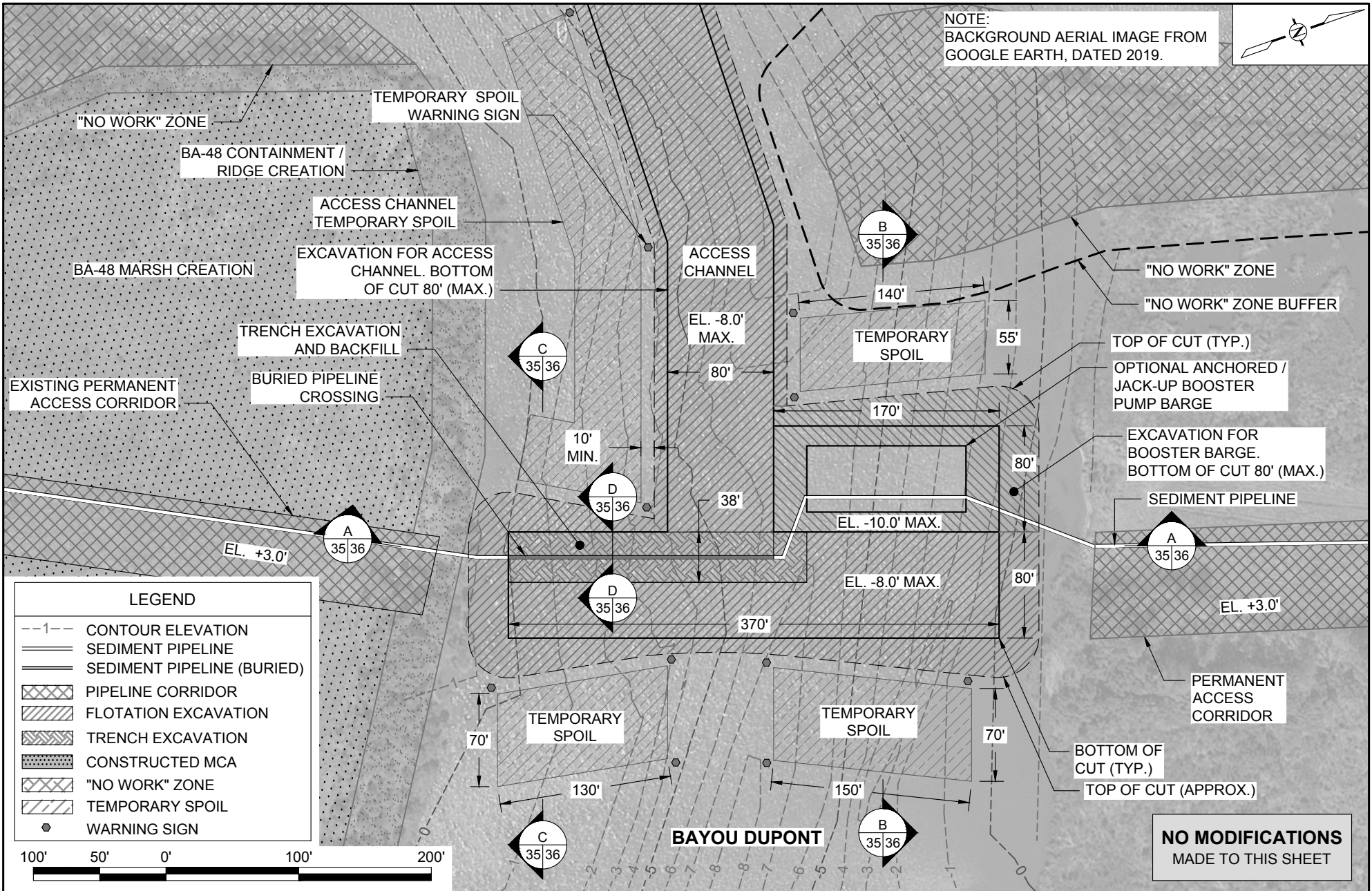
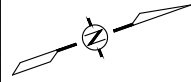
F1
33 **TYPICAL ACCESS CHANNEL SECTION AT BAYOU DUPONT - PERMITTED**
SCALE: 1" = 40'-0"

**NO MODIFICATIONS
MADE TO THIS SHEET**

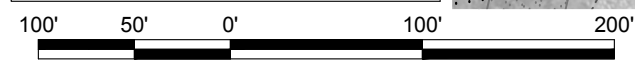


BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TYPICAL ACCESS CHANNEL SECTIONS - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207

NOTE:
BACKGROUND AERIAL IMAGE FROM
GOOGLE EARTH, DATED 2019.

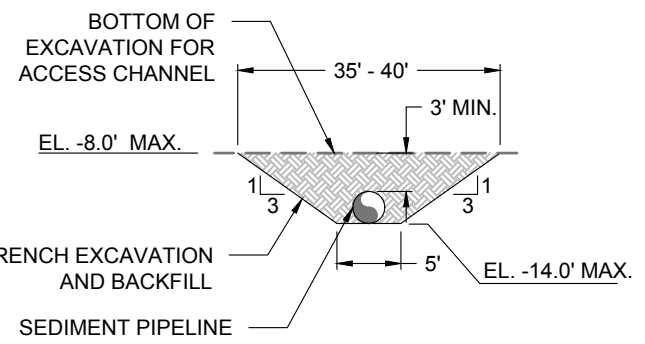
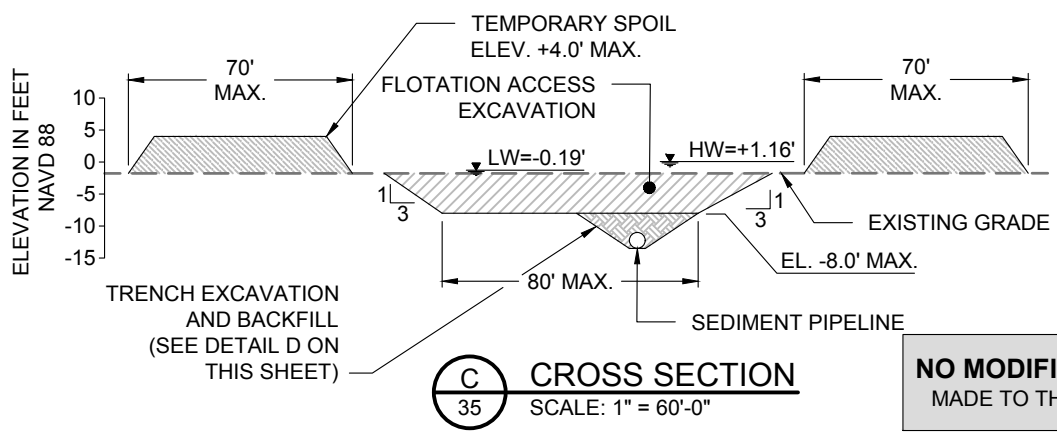
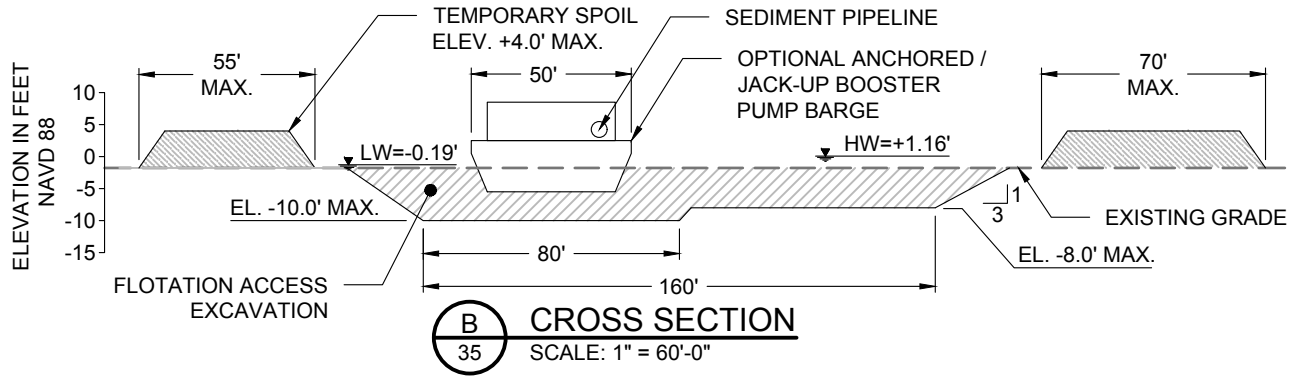
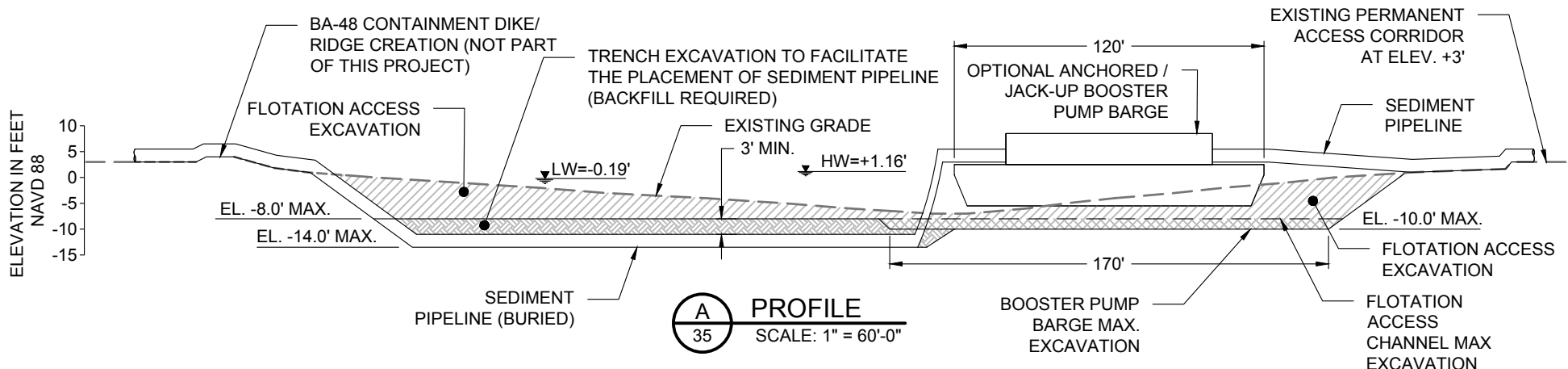


LEGEND	
--1--	CONTOUR ELEVATION
—	SEDIMENT PIPELINE
—	SEDIMENT PIPELINE (BURIED)
[Cross-hatch pattern]	PIPELINE CORRIDOR
[Diagonal hatch pattern]	FLOTATION EXCAVATION
[Wavy hatch pattern]	TRENCH EXCAVATION
[Dotted pattern]	CONSTRUCTED MCA
[Cross-hatch pattern]	"NO WORK" ZONE
[Diagonal hatch pattern]	TEMPORARY SPOIL
●	WARNING SIGN

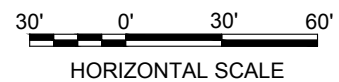


**NO MODIFICATIONS
MADE TO THIS SHEET**

BY:	DESCRIPTION:	DATE:	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	BAYOU DUPONT CROSSING DETAIL - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:				
					FEDERAL PROJECT NUMBER: BA-207	SHEET 35 OF 54



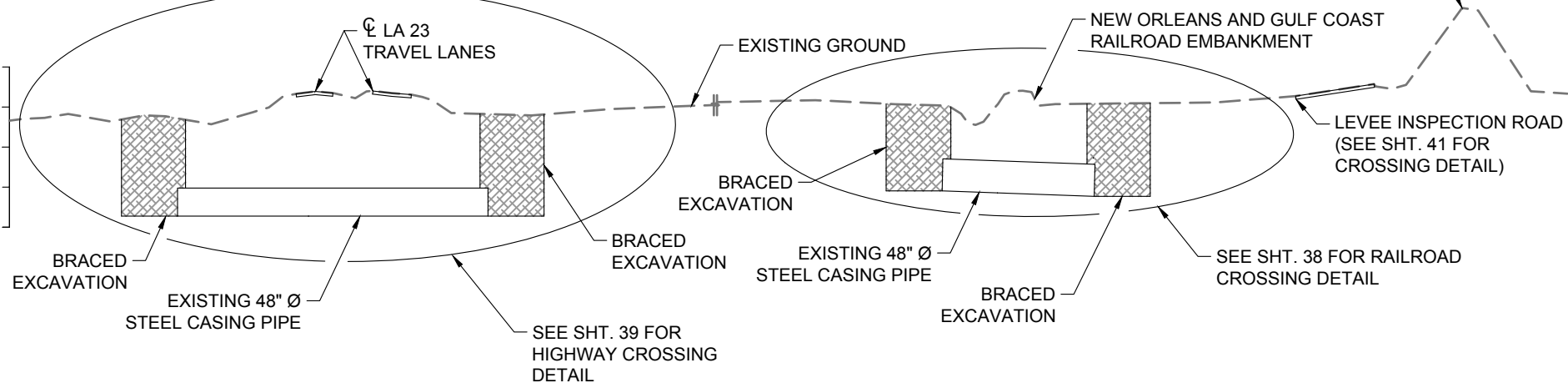
**NO MODIFICATIONS
MADE TO THIS SHEET**



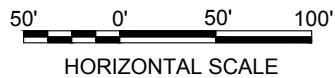
BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		BAYOU DUPONT BOOSTER PUMP SITE TYPICAL DETAILS - PERMITTED	
							STATE PROJECT NUMBER:	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207	SHEET 36 OF 54	

ELEVATIONS IN FEET, NAVD 88

MISSISSIPPI RIVER LEVEE
(SEE SHT. 40 FOR CROSSING DETAIL)

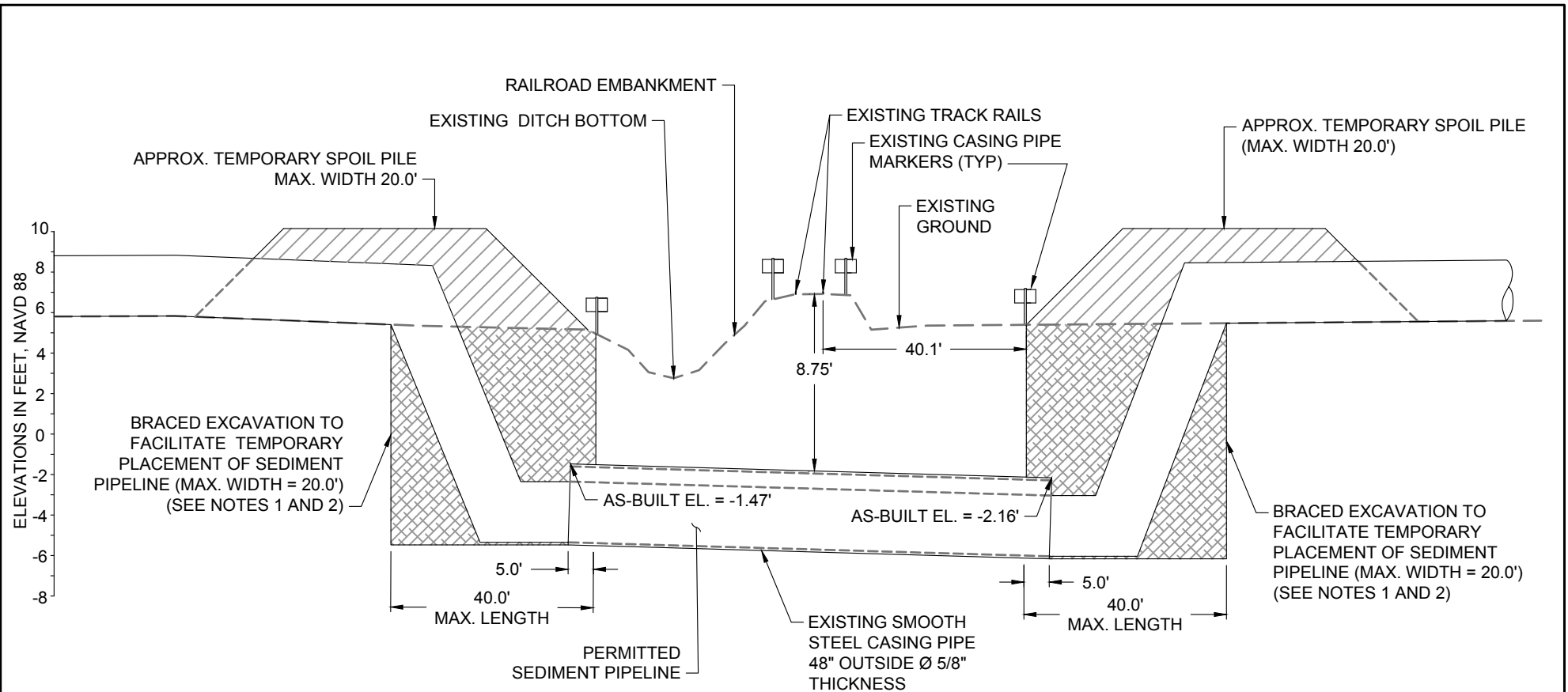


G-G
21 **DREDGE PIPELINE CORRIDOR SECTION**
SCALE: 1" = 100'-0"



**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	DREDGE PIPELINE CORRIDOR SECTION - PERMITTED
DRAWN BY: JAD					DESIGNED BY: NC	APPROVED BY:



1 RAILROAD CROSSING DETAIL - PERMITTED
21 SCALE: 1" = 30'-0"

**NO MODIFICATIONS
 MADE TO THIS SHEET**

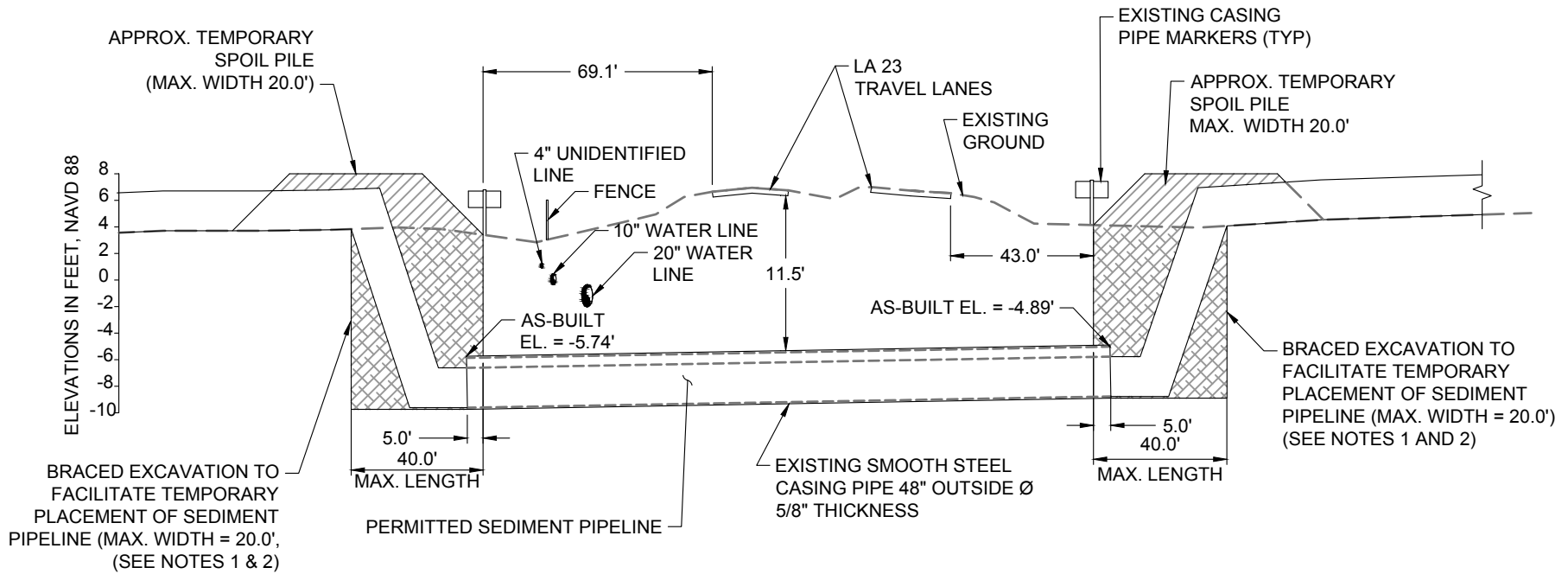
NOTES:

- TEMPORARY SPOIL SHALL BE PLACED ADJACENT TO THE EXCAVATION ON BOTH SIDES.
- THE TEMPORARY SPOIL SHALL BE BACKFILLED INTO EXCAVATION AFTER PLACEMENT OF AND REMOVAL OF DREDGE PIPELINES.

LEGEND	
	TEMPORARY SPOIL
	BRACED EXCAVATION
	EXISTING GROUND



BY:	DESCRIPTION:	DATE:	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	RAILROAD CROSSING DETAIL - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:				
					FEDERAL PROJECT NUMBER: BA-207	SHEET 38 OF 54



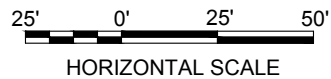
2 LA 23 HIGHWAY CROSSING DETAIL - PERMITTED
21 SCALE: 1" = 50'-0"

**NO MODIFICATIONS
MADE TO THIS SHEET**

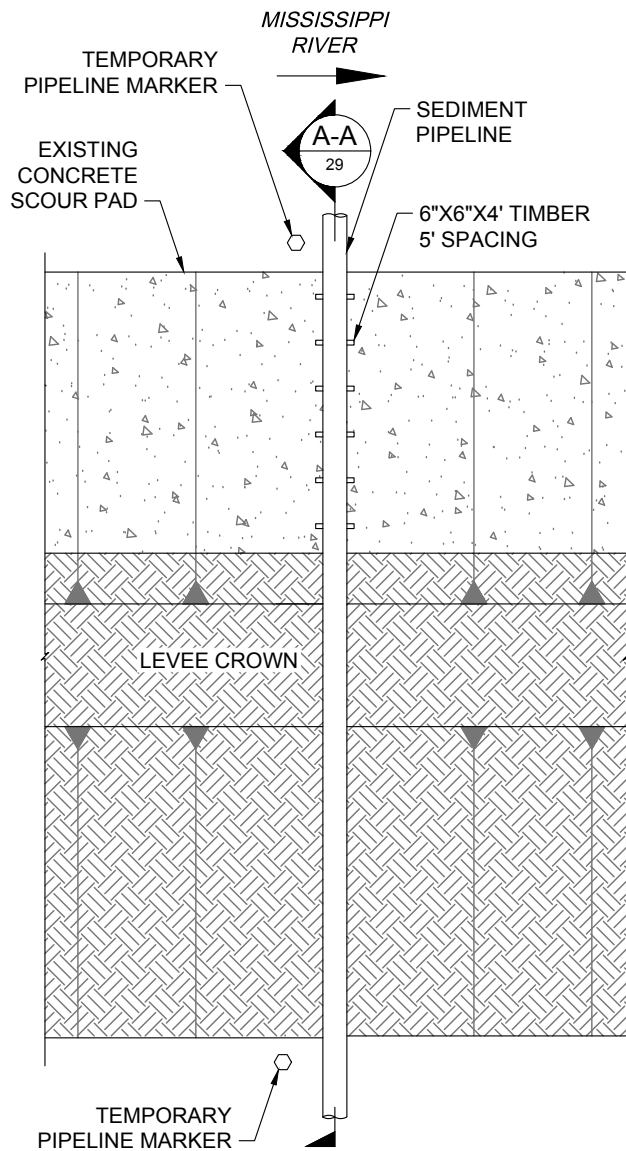
NOTES:

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.

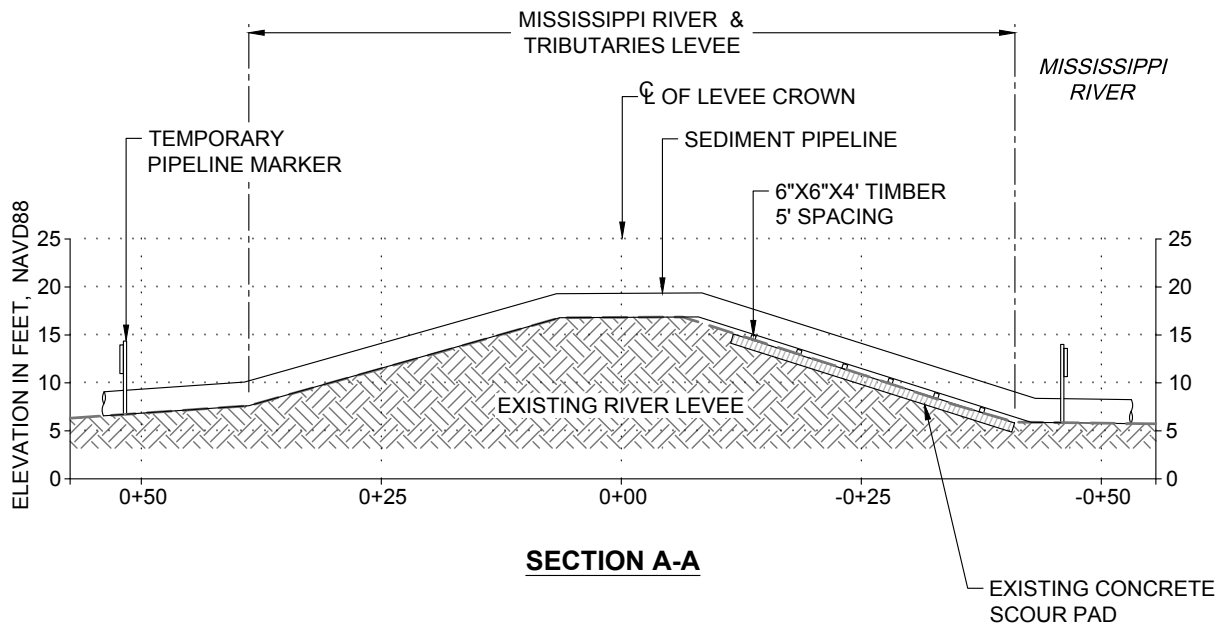
LEGEND	
	TEMPORARY SPOIL
	BRACED EXCAVATION
	EXISTING GROUND



BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	HIGHWAY CROSSING DETAIL - PERMITTED
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	STATE PROJECT NUMBER:	DATE: JUNE, 2020
					FEDERAL PROJECT NUMBER: BA-207	SHEET 39 OF 54



PLAN VIEW



SECTION A-A

3 MISSISSIPPI RIVER LEVEE CROSSING DETAIL
 21 SCALE: 1" = 20'-0"

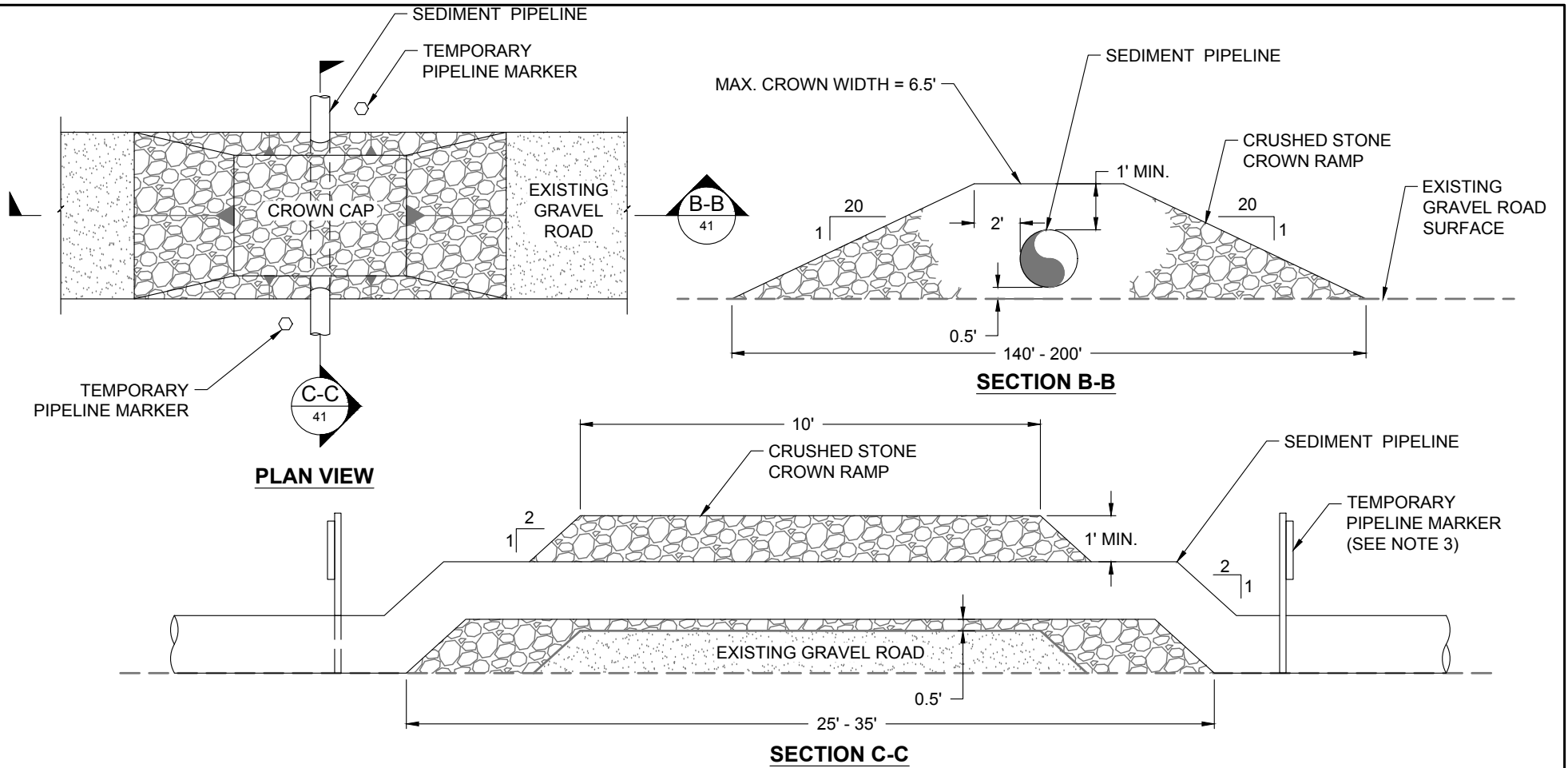
NOTES:

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	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	MISS. RIVER LEVEE CROSSING DETAIL - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207



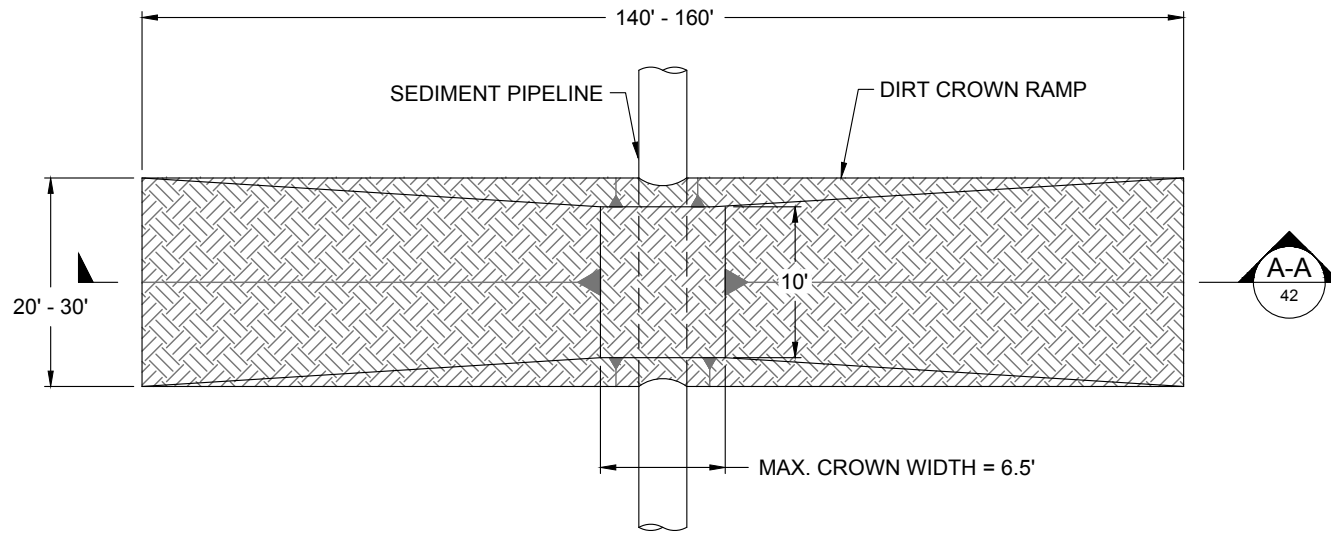
4 MISSISSIPPI RIVER LEVEE INSPECTION ROAD CROSSING DETAIL
21 NOT TO SCALE

NOTES:

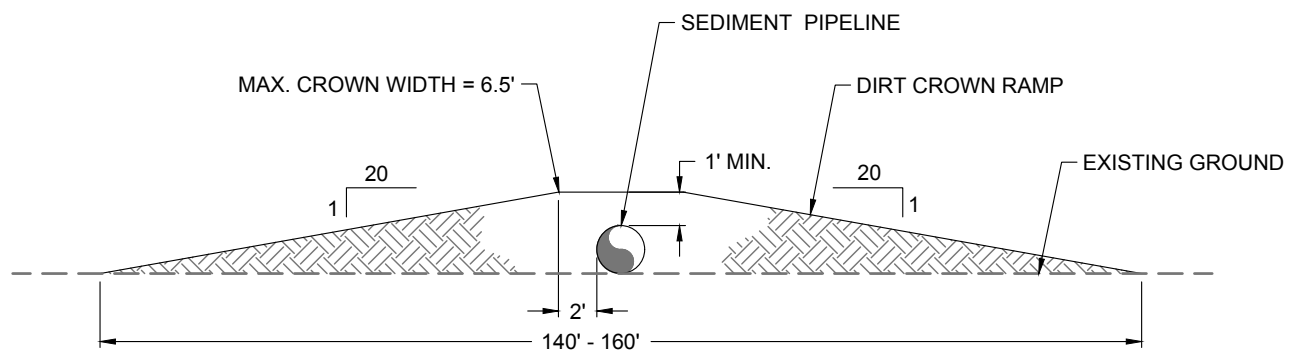
1. MISSISSIPPI RIVER LEVEE INSPECTION ROAD IS AT THE LANDSIDE TOE OF THE MISSISSIPPI RIVER LEVEE.
2. THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM LA DOTD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES(2016) SECTION 1003.03.1.
3. TEMPORARY PIPELINE MARKERS INDICATING OWNER, CONTENTS, AND ADDRESS FOR CONTACTING OWNER SHALL BE PLACED AND MAINTAINED AT EACH TOE OF LEVEE NEAR SEDIMENT PIPELINE.

**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	MISS. RIVER LEVEE INSPECTION ROAD CROSSING DETAIL - PERMITTED - PERMITTED	
							STATE PROJECT NUMBER:
						FEDERAL PROJECT NUMBER:	BA-207
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					SHEET 41 OF 54



PLAN VIEW

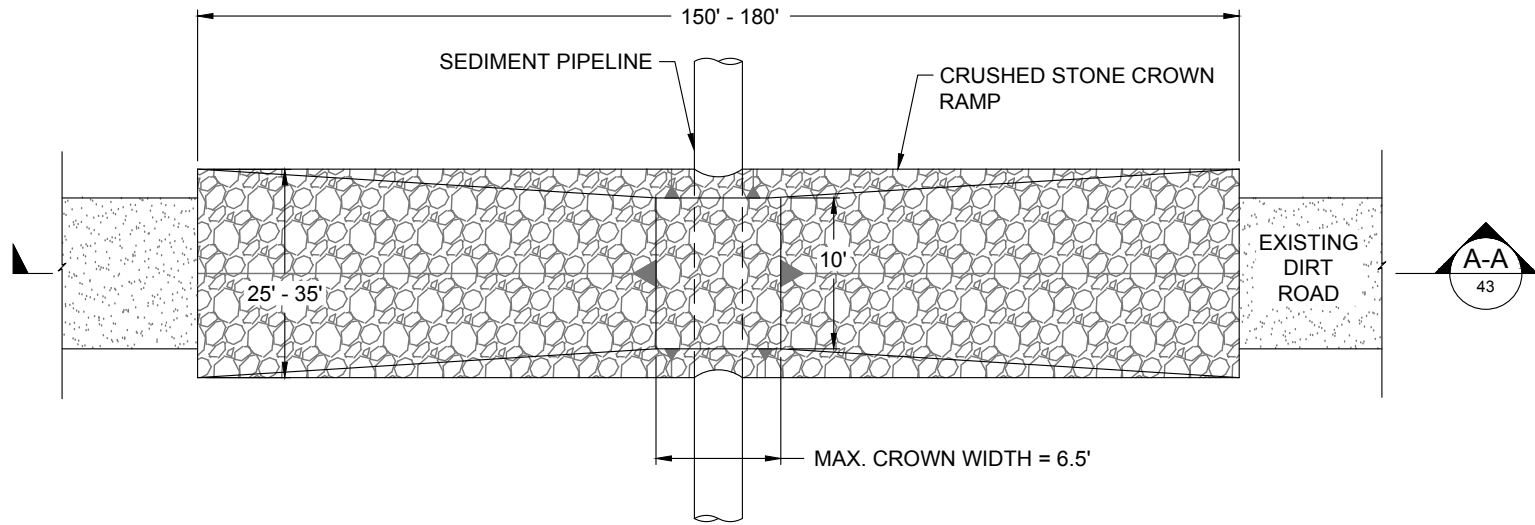


SECTION A-A

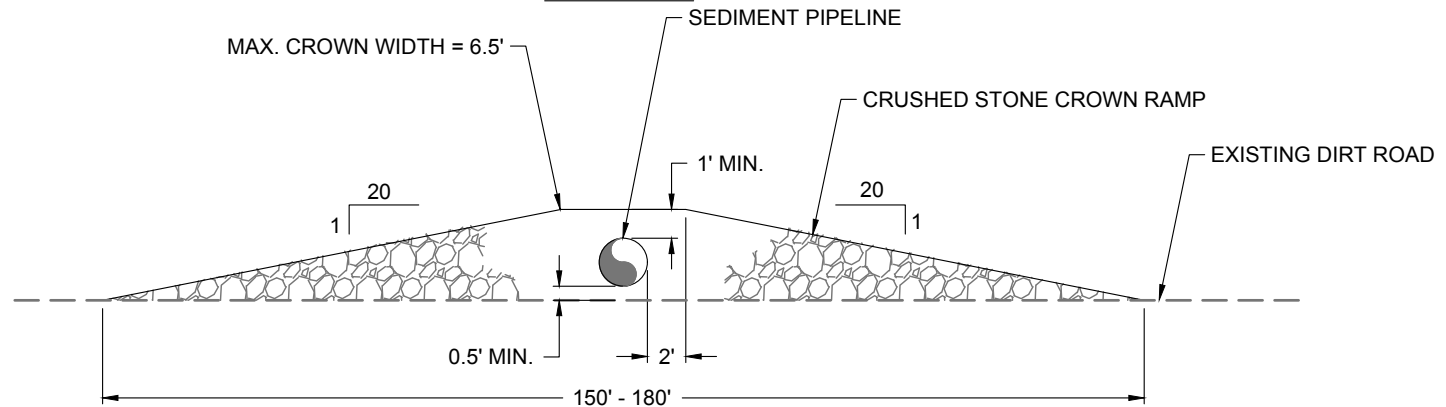
5 **CATTLE CROSSING DETAIL**
 14 NOT TO SCALE

**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	CATTLE CROSSING DETAIL - PERMITTED		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 42 OF 54
DRAWN BY: JAD					DESIGNED BY: NC	APPROVED BY:		



PLAN VIEW



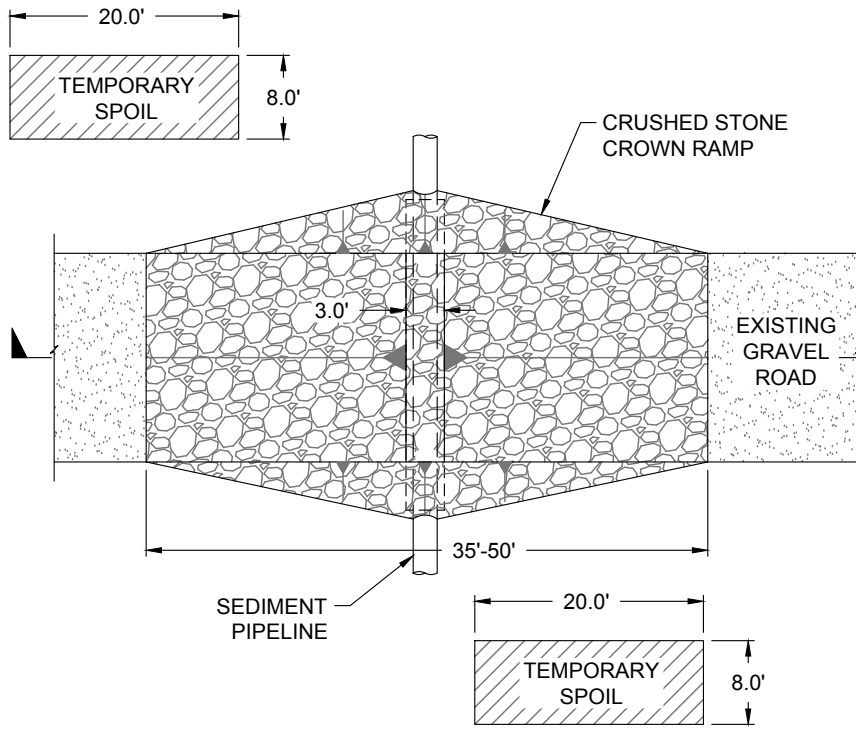
SECTION A-A

NOTE:
 THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM TO LA DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES(2016) SECTION 1003.03.1.

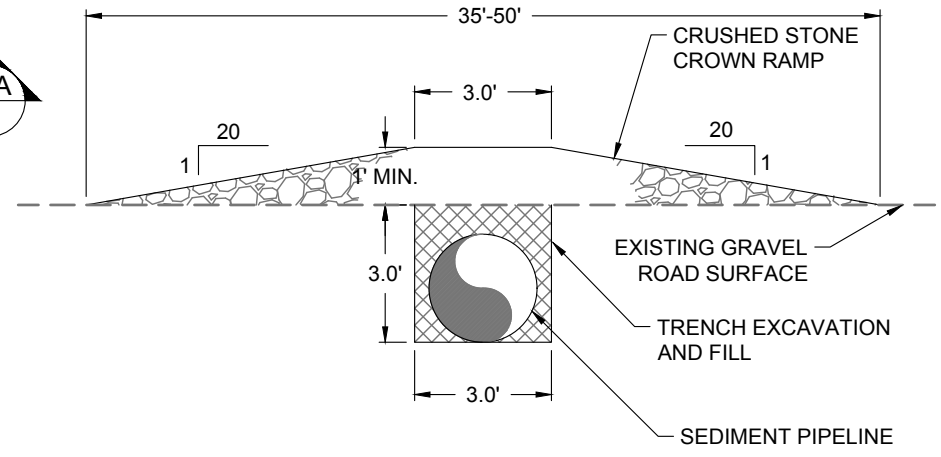
6 **DIRT ROAD CROSSING DETAIL**
 14 NOT TO SCALE

NO MODIFICATIONS
 MADE TO THIS SHEET

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	DIRT ROAD CROSSING DETAIL - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207



PLAN VIEW



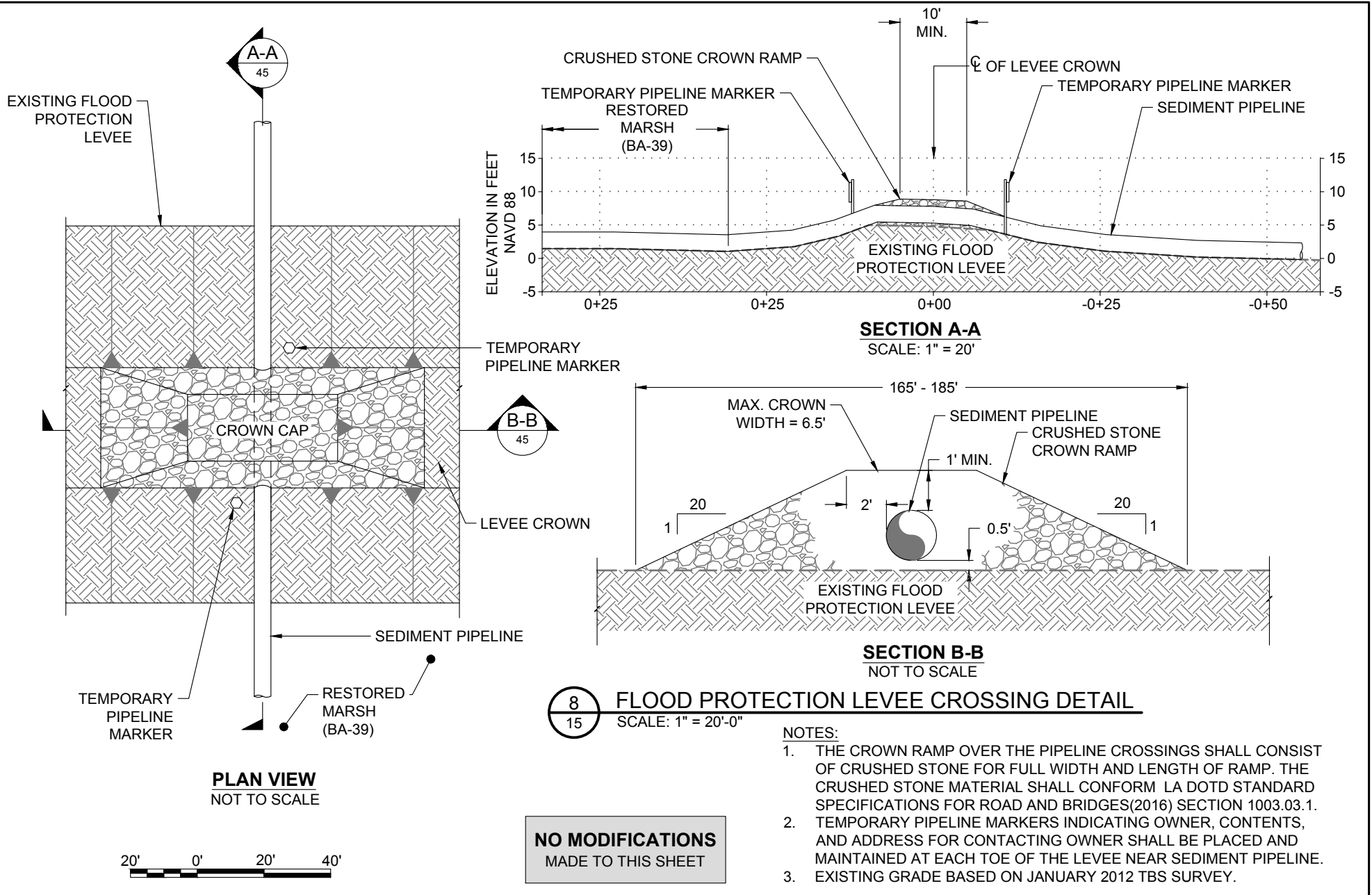
SECTION A-A

7 GRAVEL ROAD CROSSING DETAIL
 15 NOT TO SCALE

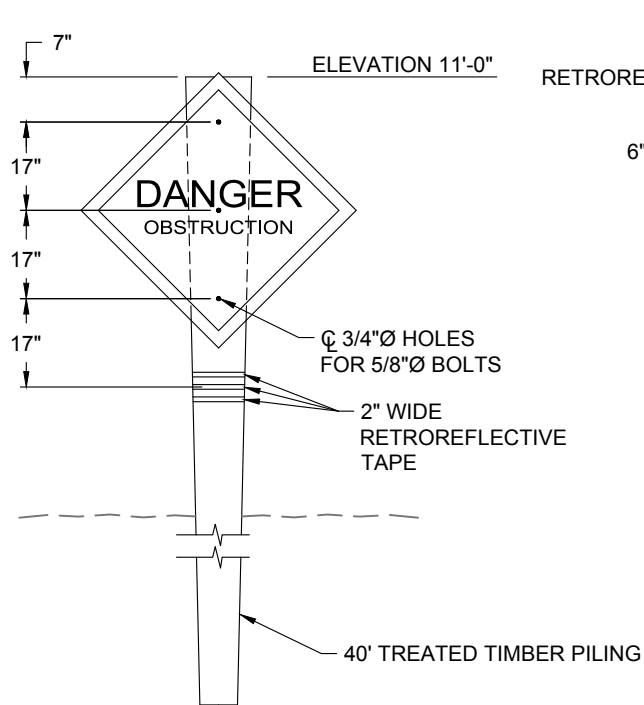
NOTE:
 THE CROWN RAMP OVER THE PIPELINE CROSSINGS SHALL CONSIST OF CRUSHED STONE FOR FULL WIDTH AND LENGTH OF RAMP. THE CRUSHED STONE MATERIAL SHALL CONFORM LA DOTD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES(2016) SECTION 1003.03.1.

**NO MODIFICATIONS
 MADE TO THIS SHEET**

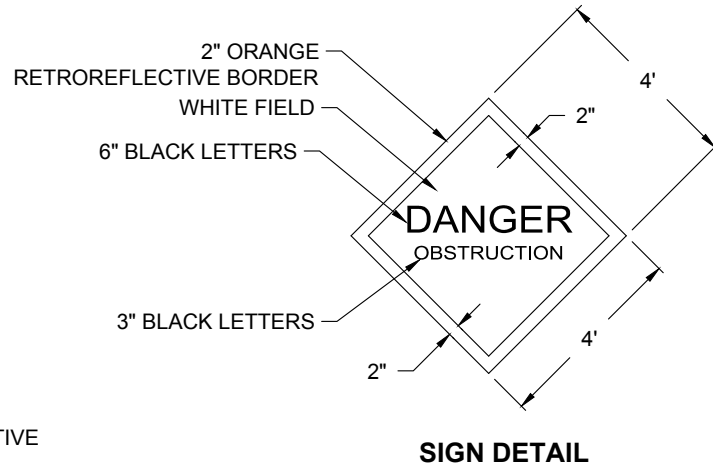
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	GRAVEL ROAD CROSSING DETAIL - PERMITTED
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207



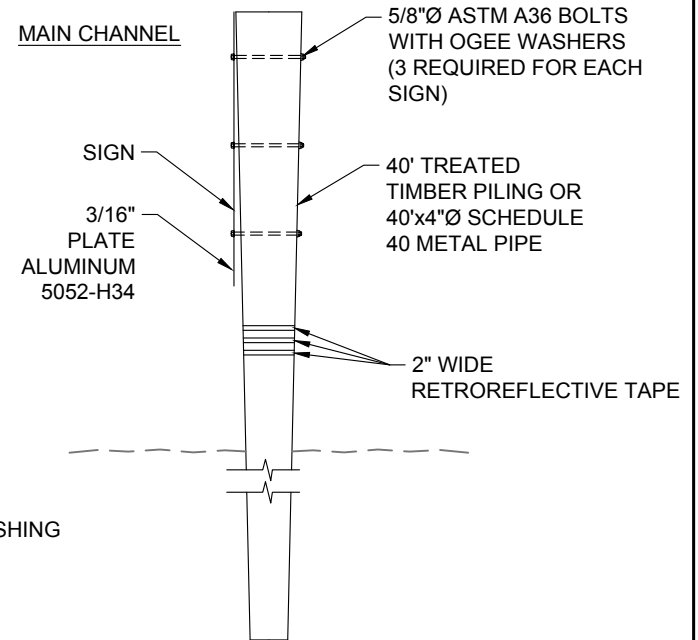
BY	DESCRIPTION	DATE	NOAA RESTORATION CENTER		LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	FLOOD PROTECTION LEVEE CROSSING DETAIL - PERMITTED		
			 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075		5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206		STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER:	SHEET 45 OF 54
DRAWN BY: JAD			DESIGNED BY: NC		APPROVED BY:	FEDERAL PROJECT NUMBER: BA-207		



WARNING SIGN ELEVATION



TYPICAL TIMBER PILE CAP



WARNING SIGN SIDE DETAIL

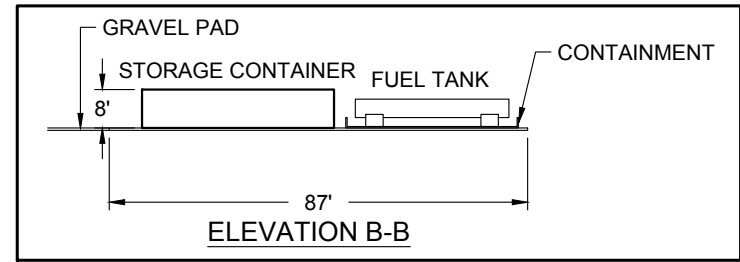
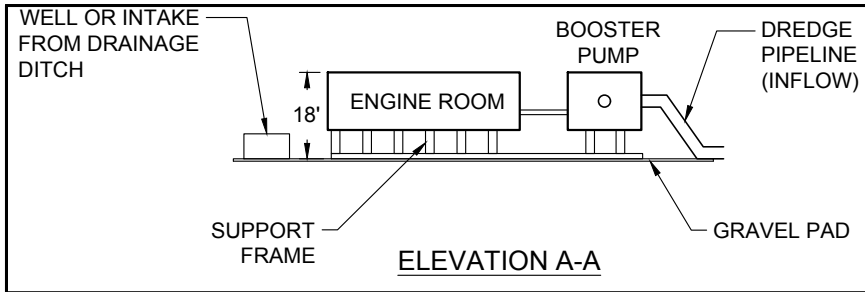
9
33 **TEMPORARY WARNING SIGN DETAILS**
NOT TO SCALE

**NO MODIFICATIONS
MADE TO THIS SHEET**

WARNING SIGN NOTES

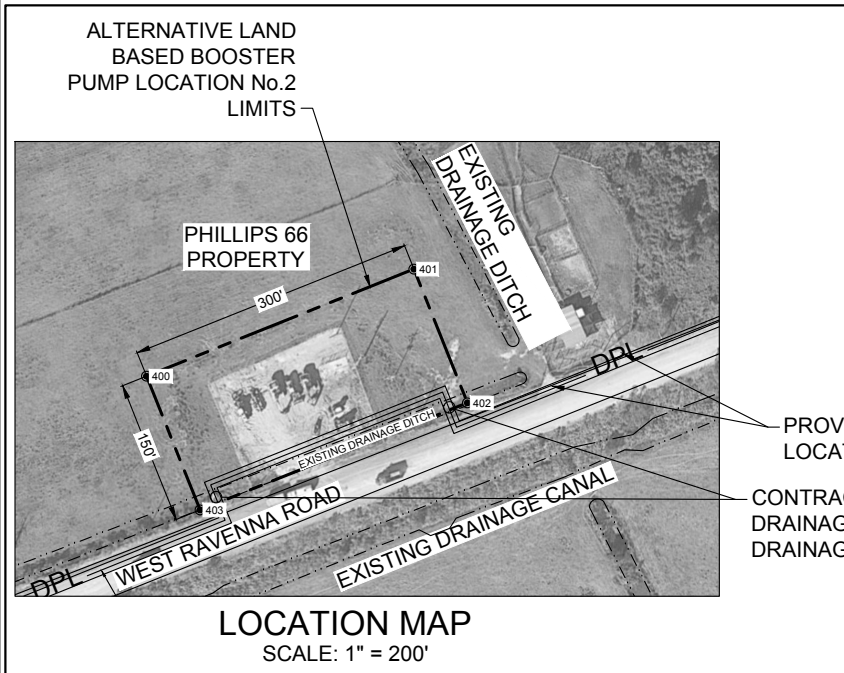
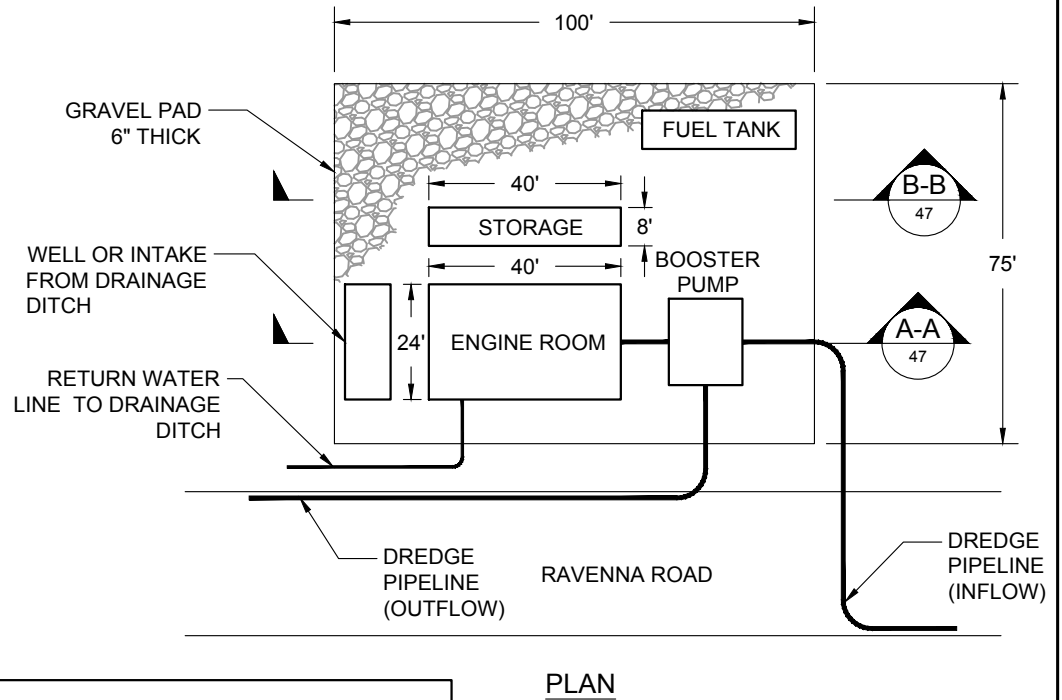
1. APPROXIMATELY TWENTY-FIVE (25) TEMPORARY WARNING SIGNS, INCLUDING TIMBER PILES, SHALL BE INSTALLED AT 500' MAX SPACING. THE 2" BORDER ON THE WARNING SIGN WILL BE RETROREFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD WILL BE A RETROREFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGNS WILL BE BLACK. ALL SIGNS MUST MEET U.S. COAST GUARD STANDARDS; IN ACCORDANCE WITH 33 CFR 330.4 (a)(1) W
2. NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE SIGN AND THE PILING AT ALL POINTS OF CONTACT. HARDWARE FOR TIMBER CONNECTIONS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SECTION 1014.05 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION.
3. 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 AWPA P2 TO A MINIMUM RETENTION OF 20 PCF AND CAPPED ACCORDING TO LA DOTD SPECIFICATION 812.06.
4. TIMBER PILING SHALL BE 40' IN LENGTH WITH A NOMINAL 12" DIAMETER BUTT AND 7" MINIMUM DIAMETER AT THE TIP.
5. 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.

BY	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TEMPORARY SHOAL WARNING SIGN DETAILS - PERMITTED
					STATE PROJECT NUMBER:	DATE: JUNE, 2020
					FEDERAL PROJECT NUMBER:	BA-207
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:				SHEET 46 OF 54



10 LANDSIDE BOOSTER PUMP DETAILS
15 NOT TO SCALE

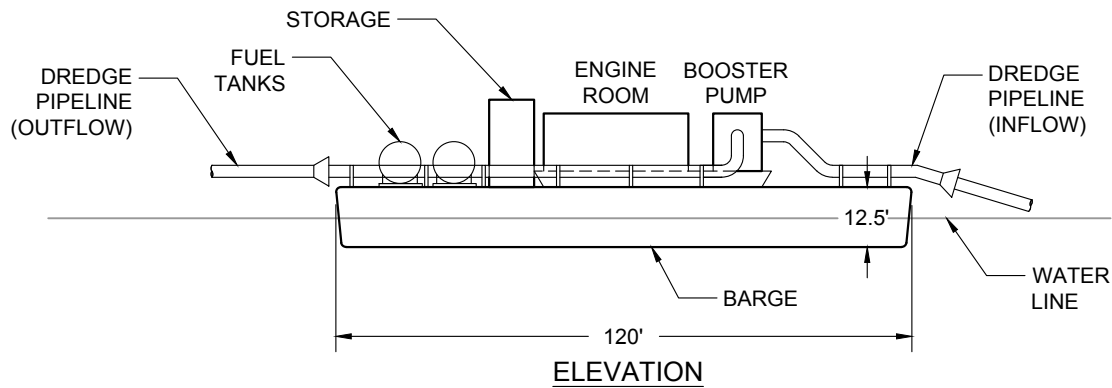
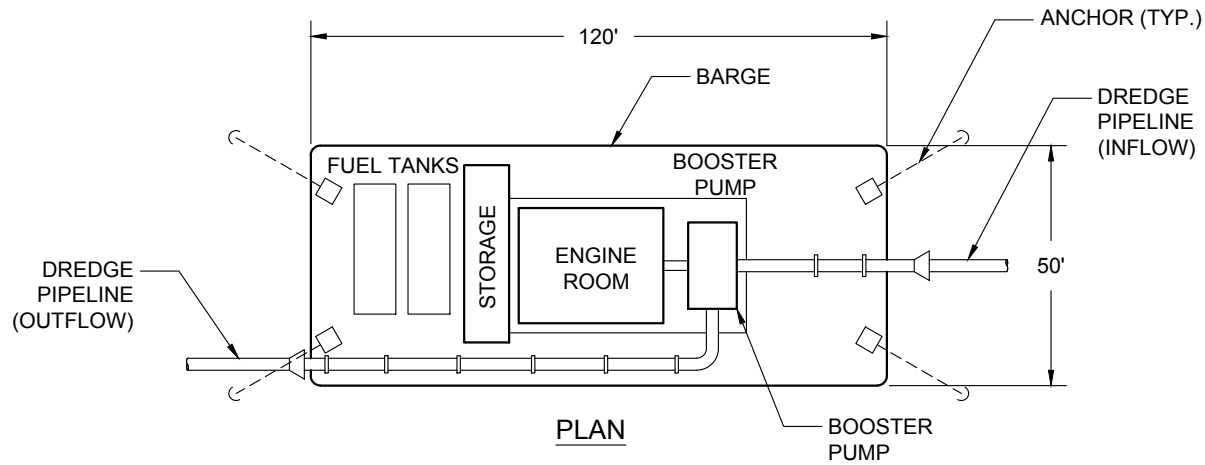
NOTES:
 1. TYPICAL LANDSIDE BOOSTER SETUP. ACTUAL MAY VARY.



PROVIDE DIRT ROAD CROSSINGS FOR ALL PIPELINE LOCATIONS BLOCKING LANDOWNER ACCESS (TYP)
 CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE CULVERTS AS NECESSARY TO MAINTAIN DRAINAGE ALONG DREDGE PIPELINE, (TYP)

**NO MODIFICATIONS
 MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	LANDSIDE BOOSTER PUMP PLAN AND ELEVATIONS - PERMITTED		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 47 OF 54
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:						

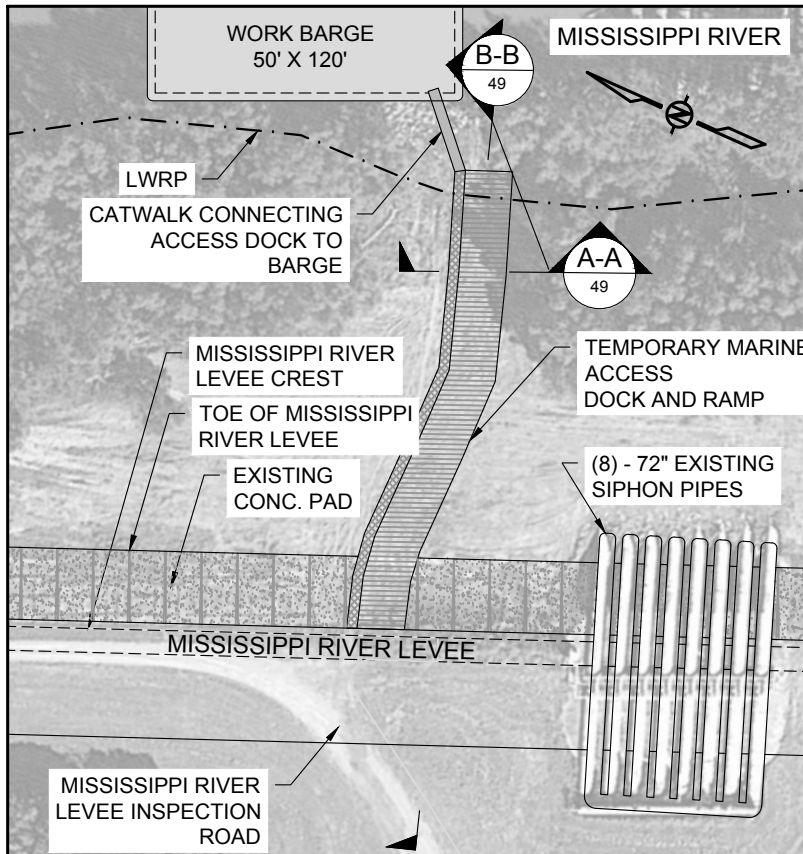


11
21 **FLOATING BOOSTER PUMP DETAILS**
NOT TO SCALE

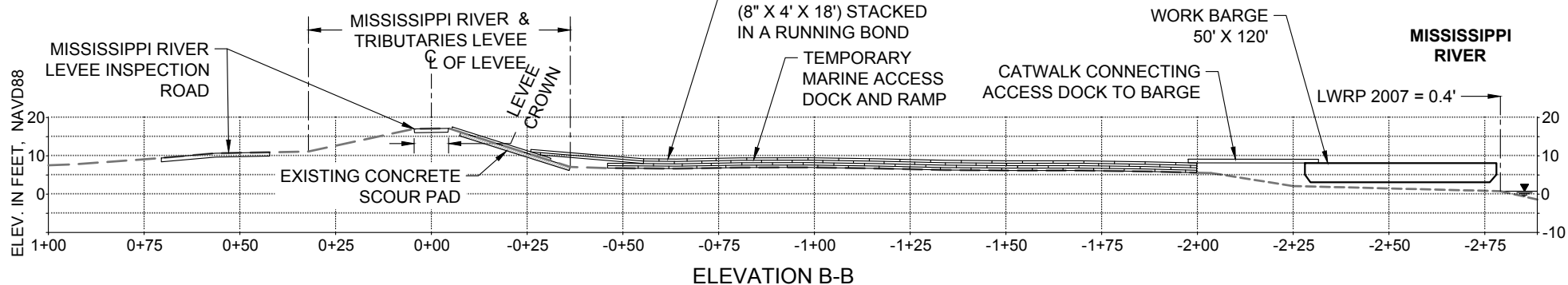
NOTE:
TYPICAL FLOATING BOOSTER SETUP.
ACTUAL MAY VARY.

**NO MODIFICATIONS
MADE TO THIS SHEET**

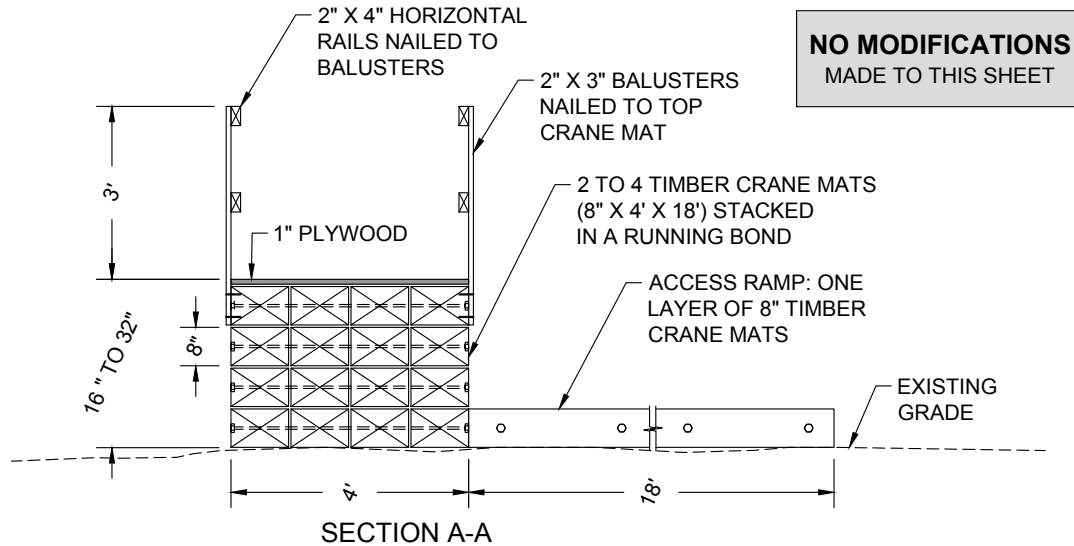
BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	FLOATING BOOSTER PUMP PLAN AND ELEVATIONS - PERMITTED	
							STATE PROJECT NUMBER:
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:			FEDERAL PROJECT NUMBER:	BA-207	SHEET 48 OF 54



PLAN VIEW



ELEVATION B-B



SECTION A-A

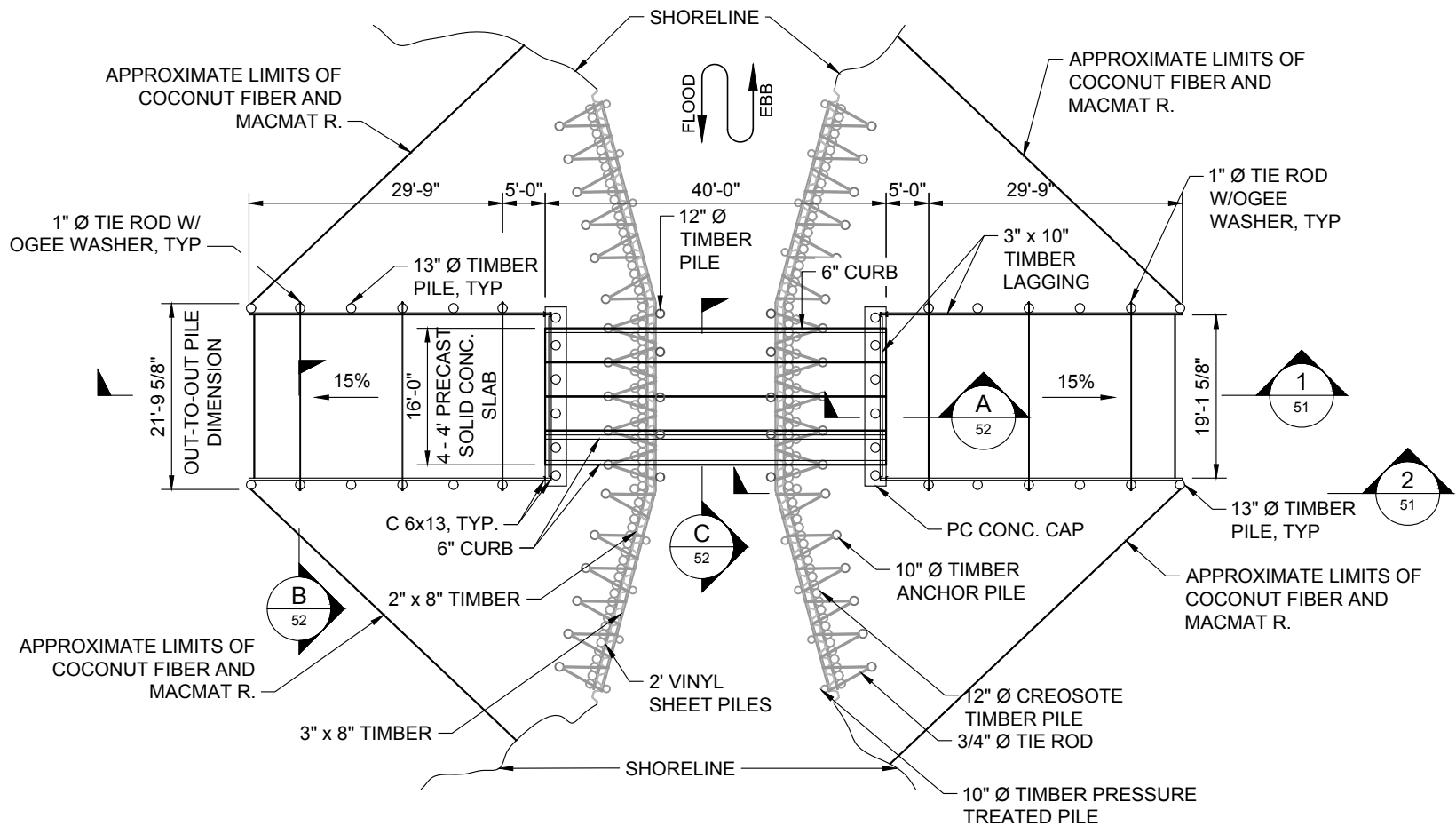
**NO MODIFICATIONS
MADE TO THIS SHEET**

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.
4. ACCESS DOCK TO BE COMPLETELY REMOVED AFTER PROJECT IS COMPLETE.

12 TEMPORARY MARINE ACCESS DOCK DETAILS
21 NOT TO SCALE

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	TEMPORARY MARINE ACCESS DOCK DETAILS - PERMITTED	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:
					FEDERAL PROJECT NUMBER:	BA-207	SHEET 49 OF 54



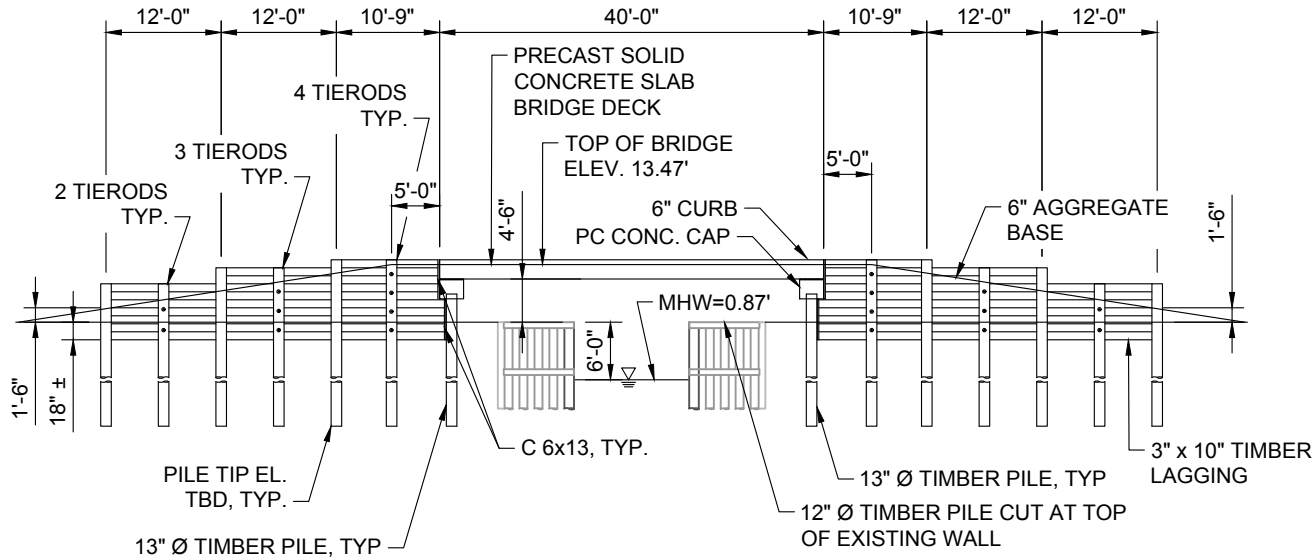
NOTE:
METAL GRATE BRIDGE WAS REMOVED AS PART
OF BA-43 (EB) PROJECT, AND EXISTING
CONCRETE SLAB BRIDGE WAS CONSTRUCTED.

13 CONSTRUCTED BRIDGE PLAN
16 SCALE: 1" = 20'-0"

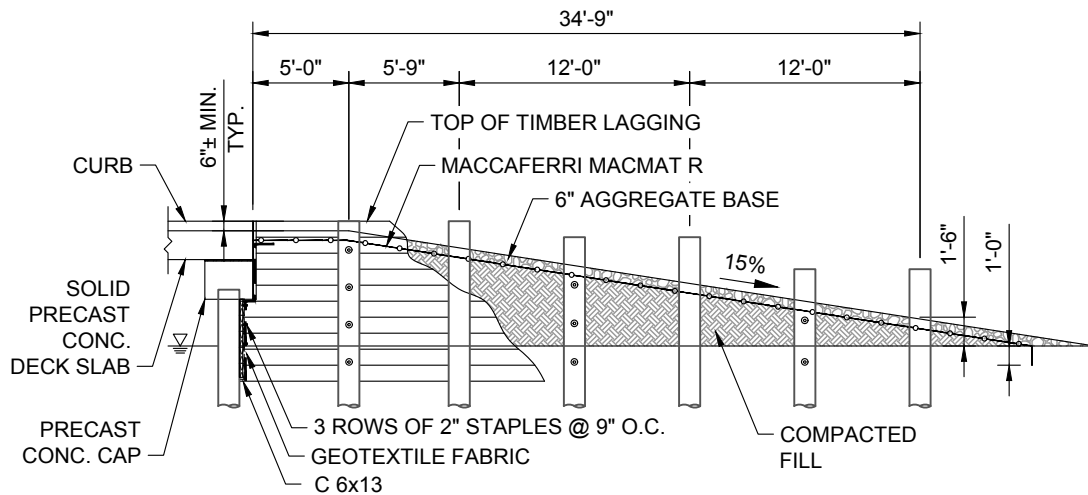


**NO MODIFICATIONS
MADE TO THIS SHEET**

BY	DESCRIPTION	DATE	 moffett & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	NEW BRIDGE PIPE CROSSING DETAILS (SHEET 1 OF 3) - CONSTRUCTED	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:
					FEDERAL PROJECT NUMBER:	BA-207	SHEET 50 OF 54



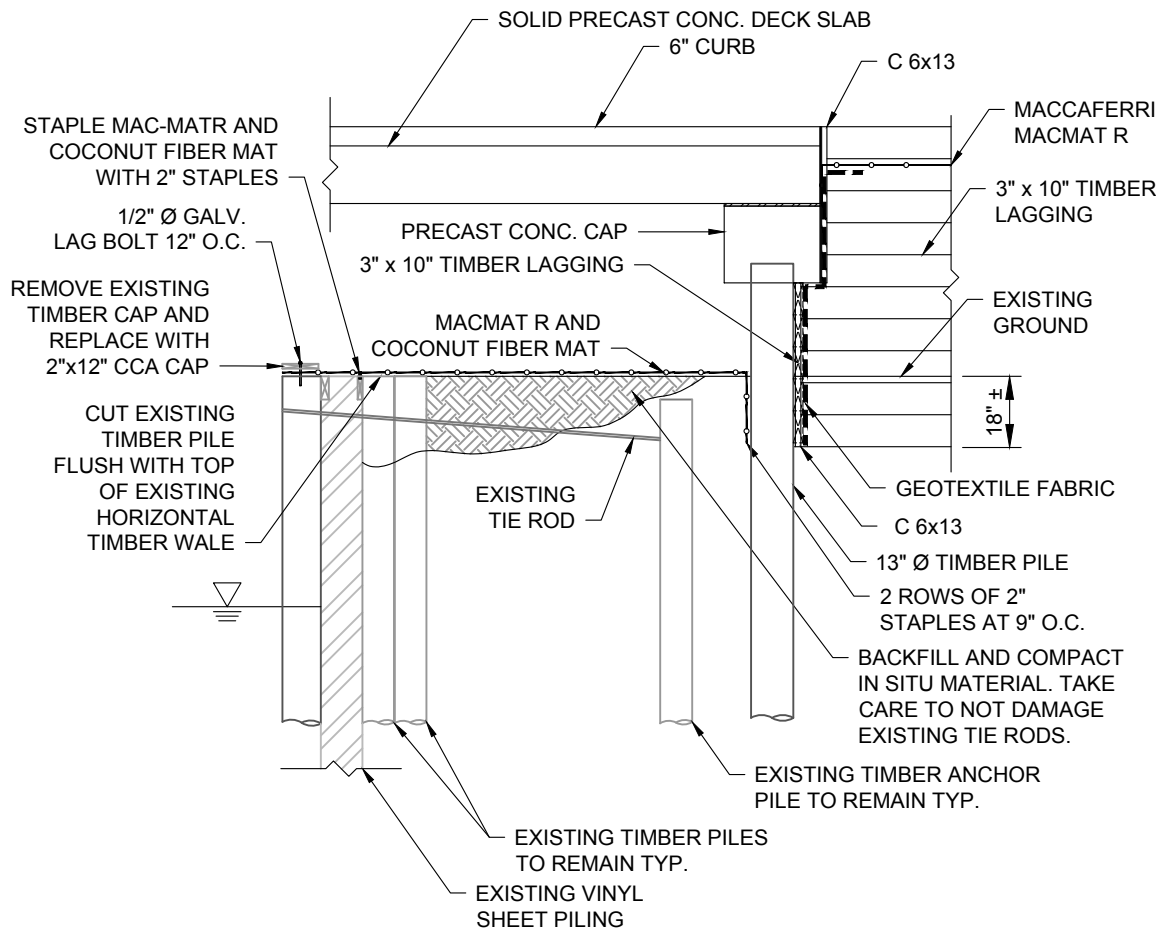
1 CONSTRUCTED BRIDGE ELEVATION
 50 SCALE: 1" = 20'-0"



2 SECTION OF APPROACH
 50 SCALE: 1" = 10'-0"

NO MODIFICATIONS
 MADE TO THIS SHEET

BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT		NEW BRIDGE PIPE CROSSING DETAILS (SHEET 2 OF 3) - CONSTRUCTED
					STATE PROJECT NUMBER:	DATE: JUNE, 2020	
					FEDERAL PROJECT NUMBER:	BA-207	
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:				SHEET 51 OF 54	



A SECTION AT END BENT
50 SCALE: 1" = 10'-0"

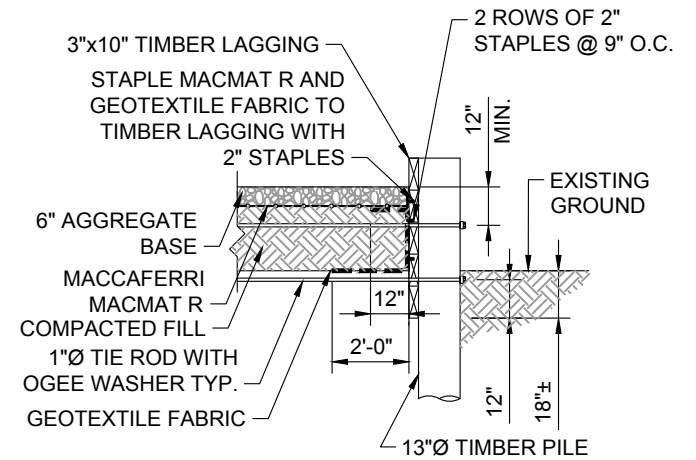


FOR DETAIL B

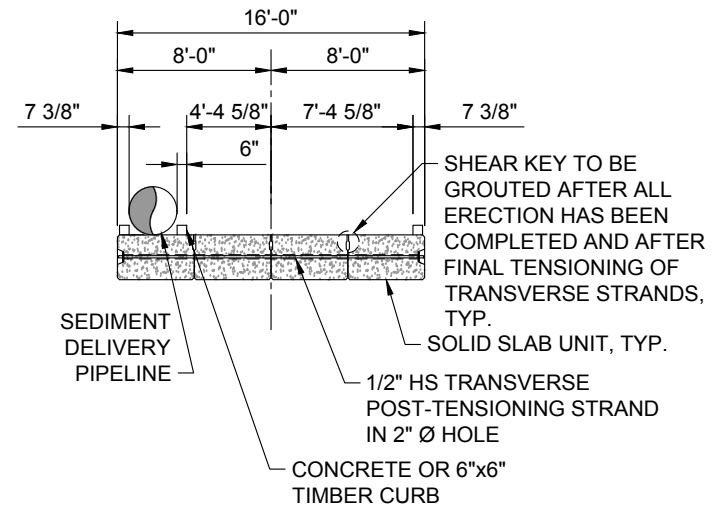


FOR DETAIL A AND C

**NO MODIFICATIONS
MADE TO THIS SHEET**

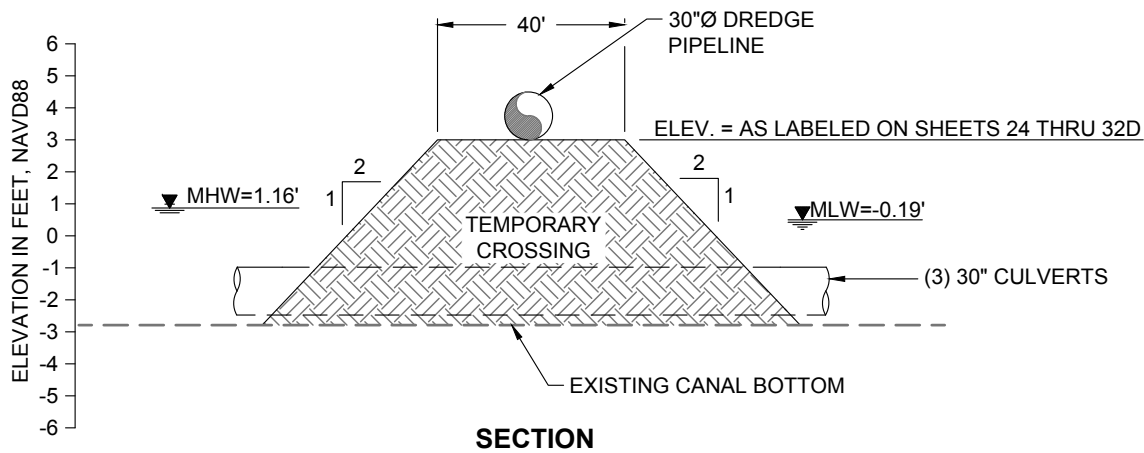
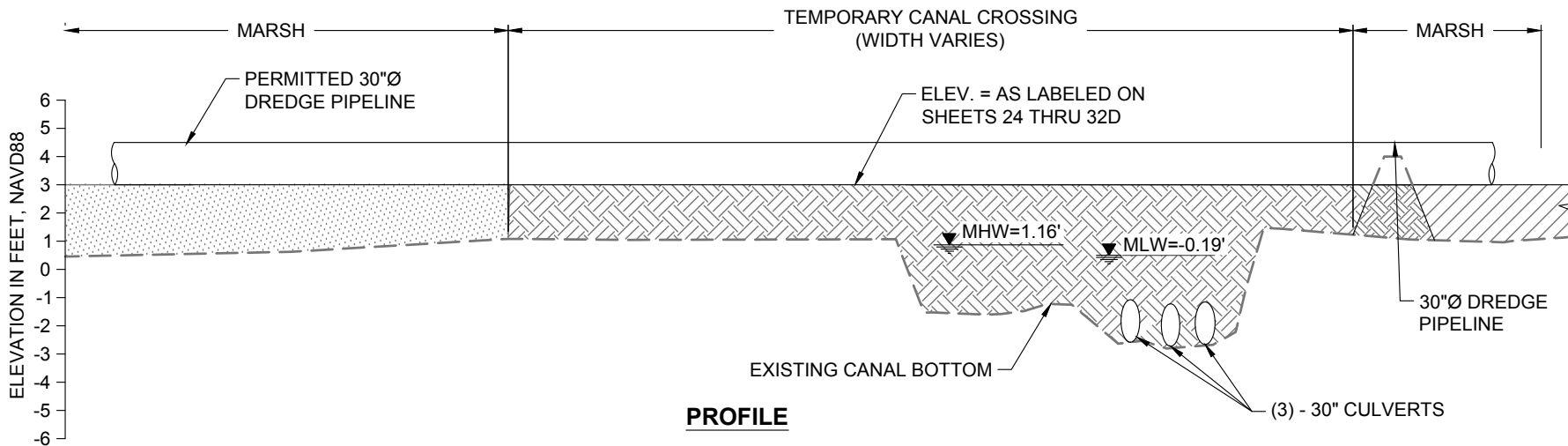


B SECTION THROUGH TIMBER LAGGING
50 SCALE: 1" = 5'-0"



C BRIDGE SLAB CROSS SECTION
50 SCALE: 1" = 10'-0"

BY	DESCRIPTION	DATE	NOAA RESTORATION CENTER		LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	NEW BRIDGE PIPE CROSSING DETAILS (SHEET 3 OF 3) - CONSTRUCTED
			 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075		5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	
					STATE PROJECT NUMBER: FEDERAL PROJECT NUMBER:	
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:	BA-207	

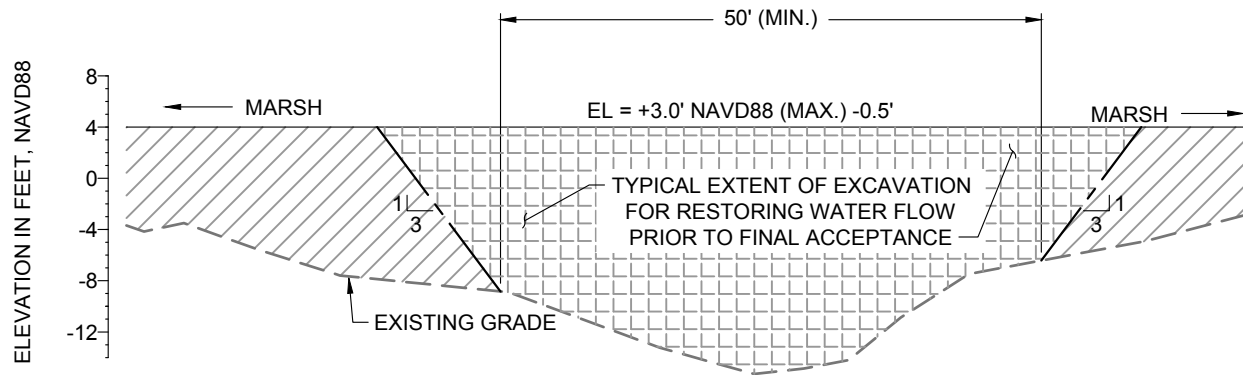


NOTES:

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.

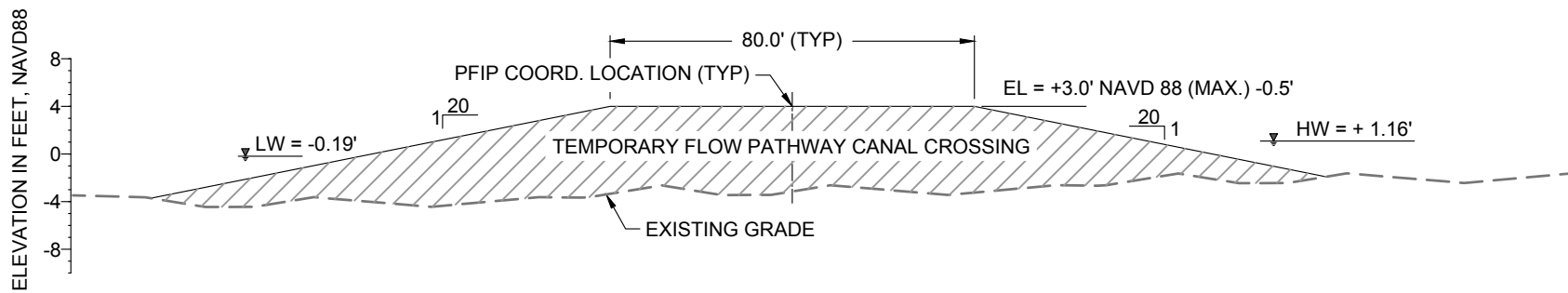
14 TEMPORARY CANAL CROSSING DETAIL - PROPOSED
 17, 20B, 20C, 20D, 33 **16** NOT TO SCALE

	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> TEMPORARY CANAL CROSSING DETAIL - PROPOSED </div>		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 53 OF 54
DRAWN BY: JAD			DESIGNED BY: NC	APPROVED BY:				



NOTES:

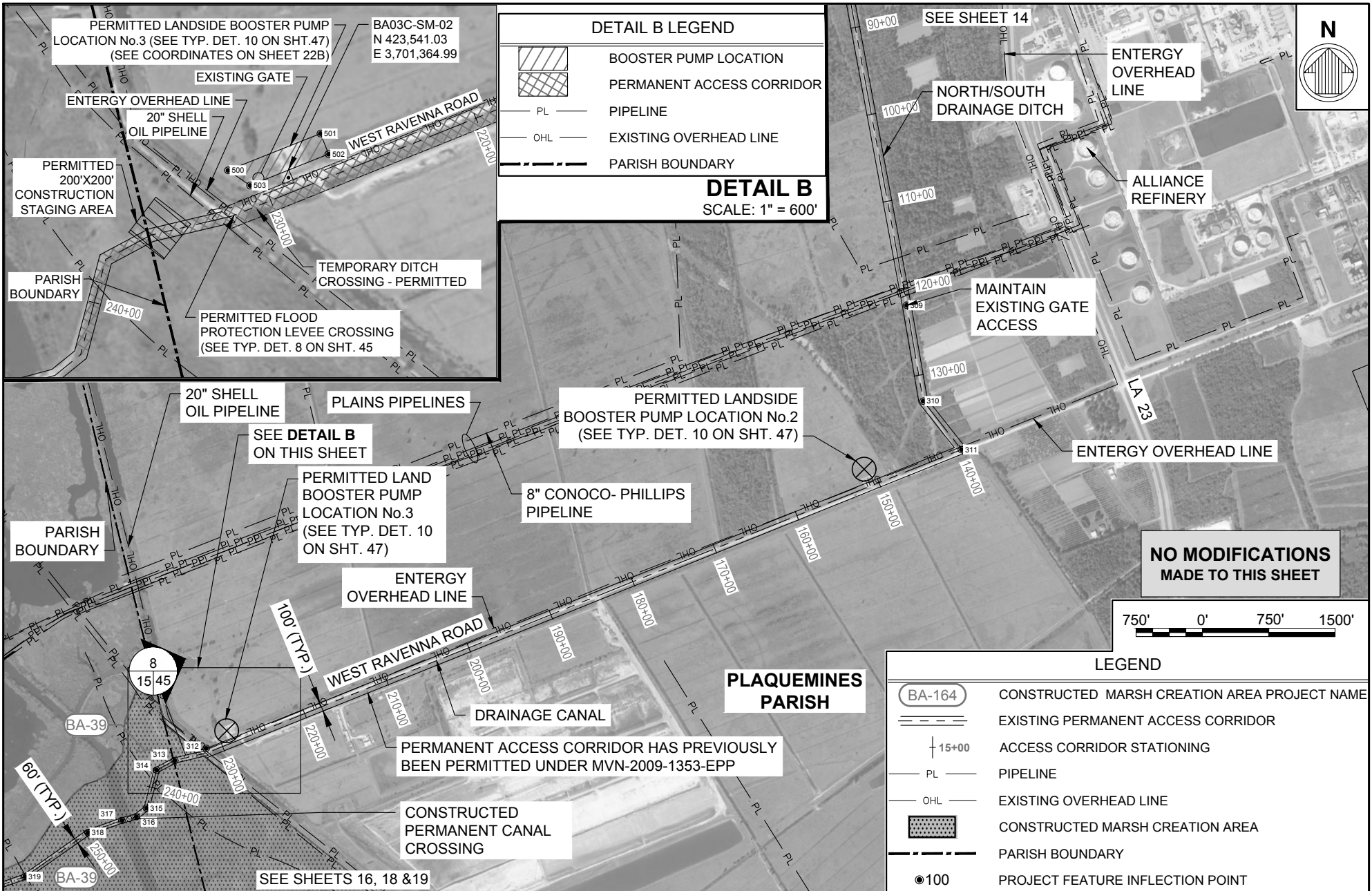
1. THE TEMPORARY CROSSINGS SHALL BE CONSTRUCTED USING MATERIAL HYDRAULICALLY DREDGED FROM THE BORROW AREA IN THE MISSISSIPPI RIVER.
2. TEMPORARY CROSSINGS SHALL BE REMOVED PRIOR TO DEMOBILIZATION.



15 TEMPORARY FLOW PATHWAY CROSSING DETAIL
17 NOT TO SCALE

20A, 20B, 20C, & 20D

	DESCRIPTION	DATE	 moffatt & nichol <small>ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075</small>	NOAA RESTORATION CENTER <small>5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206</small>	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> TEMPORARY FLOW PATHWAY CROSSING DETAIL - PROPOSED </div>		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER:	BA-207
DRAWN BY: JAD					DESIGNED BY: NC	APPROVED BY:		SHEET 54 OF 54



DETAIL B LEGEND

- BOOSTER PUMP LOCATION
- PERMANENT ACCESS CORRIDOR
- PIPELINE
- EXISTING OVERHEAD LINE
- PARISH BOUNDARY

DETAIL B
SCALE: 1" = 600'

**NO MODIFICATIONS
MADE TO THIS SHEET**



LEGEND

- BA-164 CONSTRUCTED MARSH CREATION AREA PROJECT NAME
- EXISTING PERMANENT ACCESS CORRIDOR
- 15+00 ACCESS CORRIDOR STATIONING
- PIPELINE
- EXISTING OVERHEAD LINE
- CONSTRUCTED MARSH CREATION AREA
- PARISH BOUNDARY
- PROJECT FEATURE INFLECTION POINT

BY	DESCRIPTION	DATE
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:

moffatt & nichol
ONE AMERICAN PLACE
301 MAIN STREET, SUITE 800
BATON ROUGE, LA 70801
225-336-2075

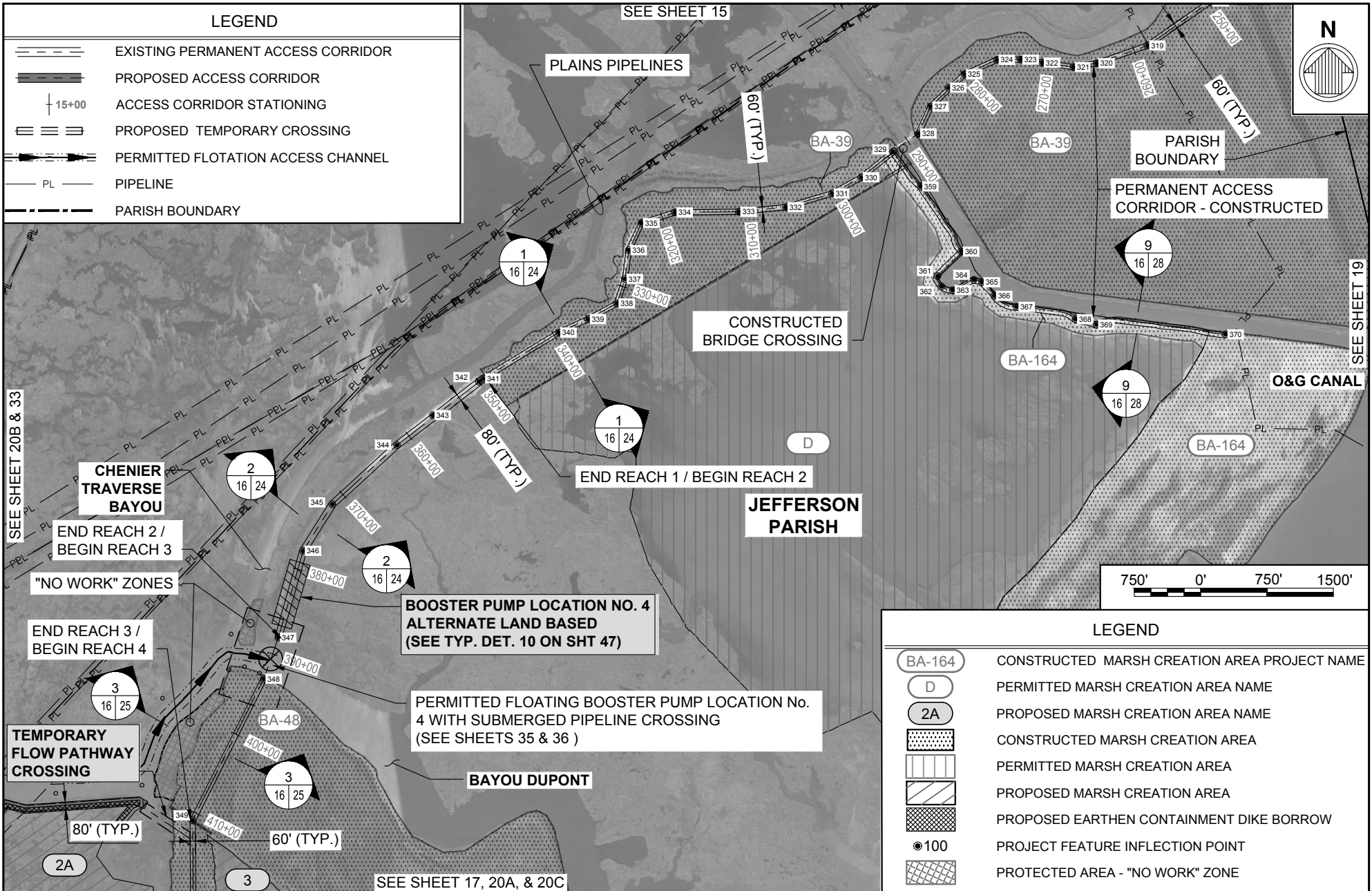
NOAA RESTORATION CENTER
5304 FLANDERS DR., SUITE B
BATON ROUGE, LOUISIANA 70808-7206

**LARGE-SCALE BARATARIA MARSH CREATION:
UPPER BARATARIA COMPONENT**

STATE PROJECT NUMBER:
FEDERAL PROJECT NUMBER: BA-207

**PERMANENT ACCESS
CORRIDOR LAYOUT
(SHEET 2 OF 4) -
PERMITTED**

DATE: JUNE, 2020
SHEET 15 OF 54



BY	DESCRIPTION	DATE
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

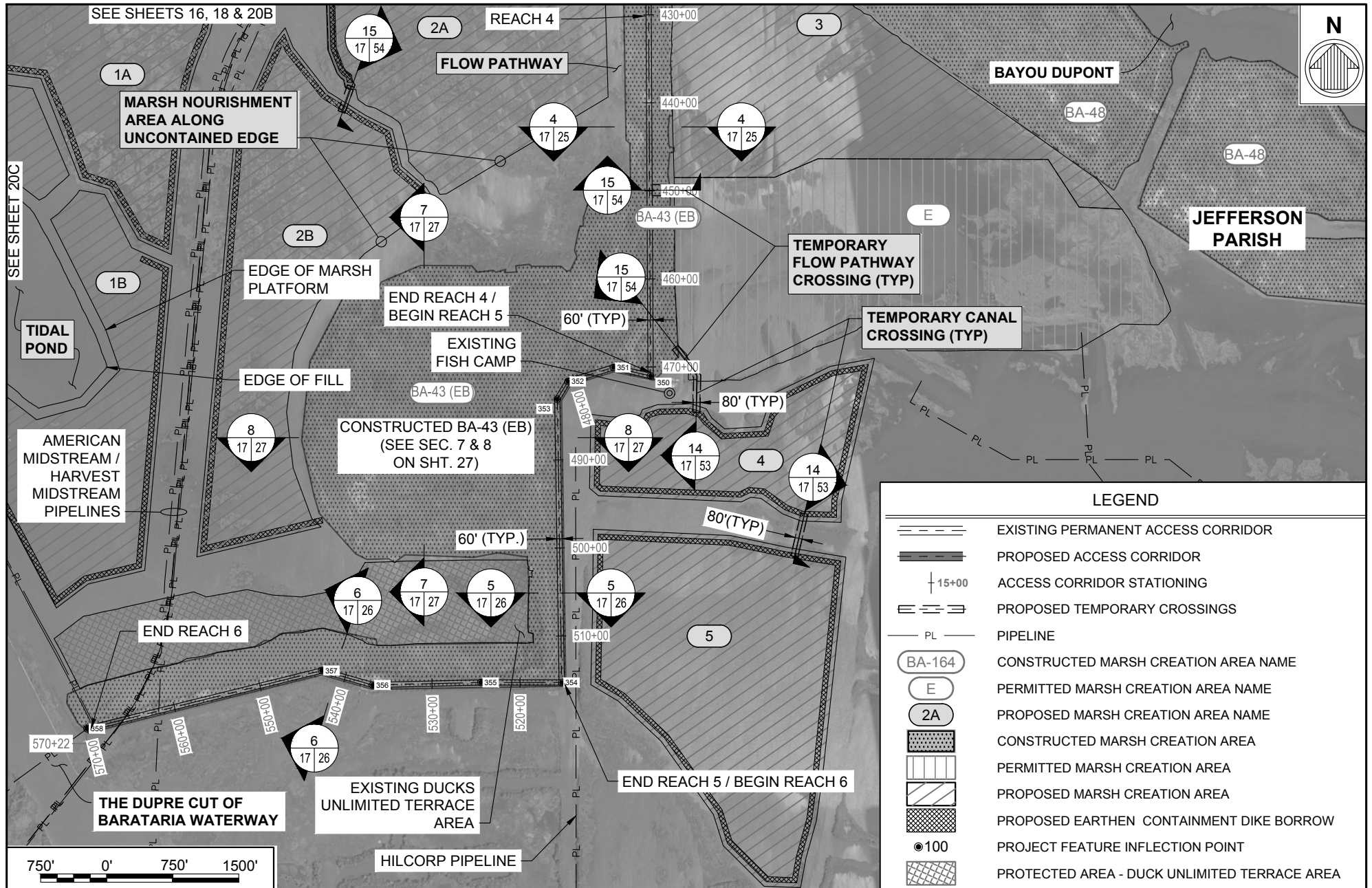
NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

**LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT**

STATE PROJECT NUMBER:
 FEDERAL PROJECT NUMBER: BA-207

**PERMANENT ACCESS
 CORRIDOR LAYOUT
 (SHEET 3 OF 4) -
 PERMITTED**

DATE: JUNE, 2020
 SHEET 16 OF 54



BY	DESCRIPTION	DATE

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

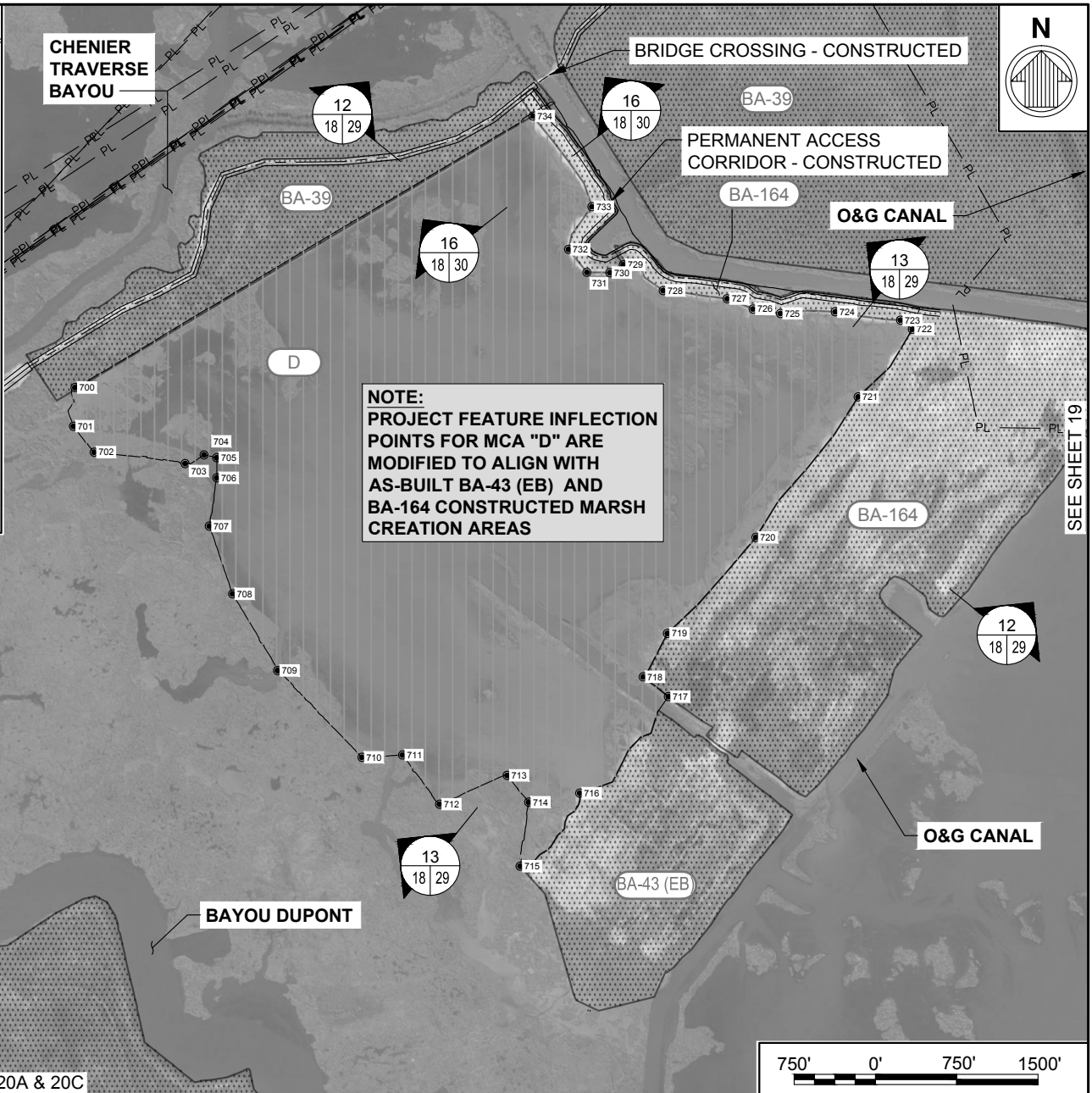
**LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT**

STATE PROJECT NUMBER:
 FEDERAL PROJECT NUMBER: BA-207

**PERMANENT ACCESS
 CORRIDOR LAYOUT
 (SHEET 4 OF 4) -
 PERMITTED**

DATE: JUNE, 2020
 SHEET 17 OF 54

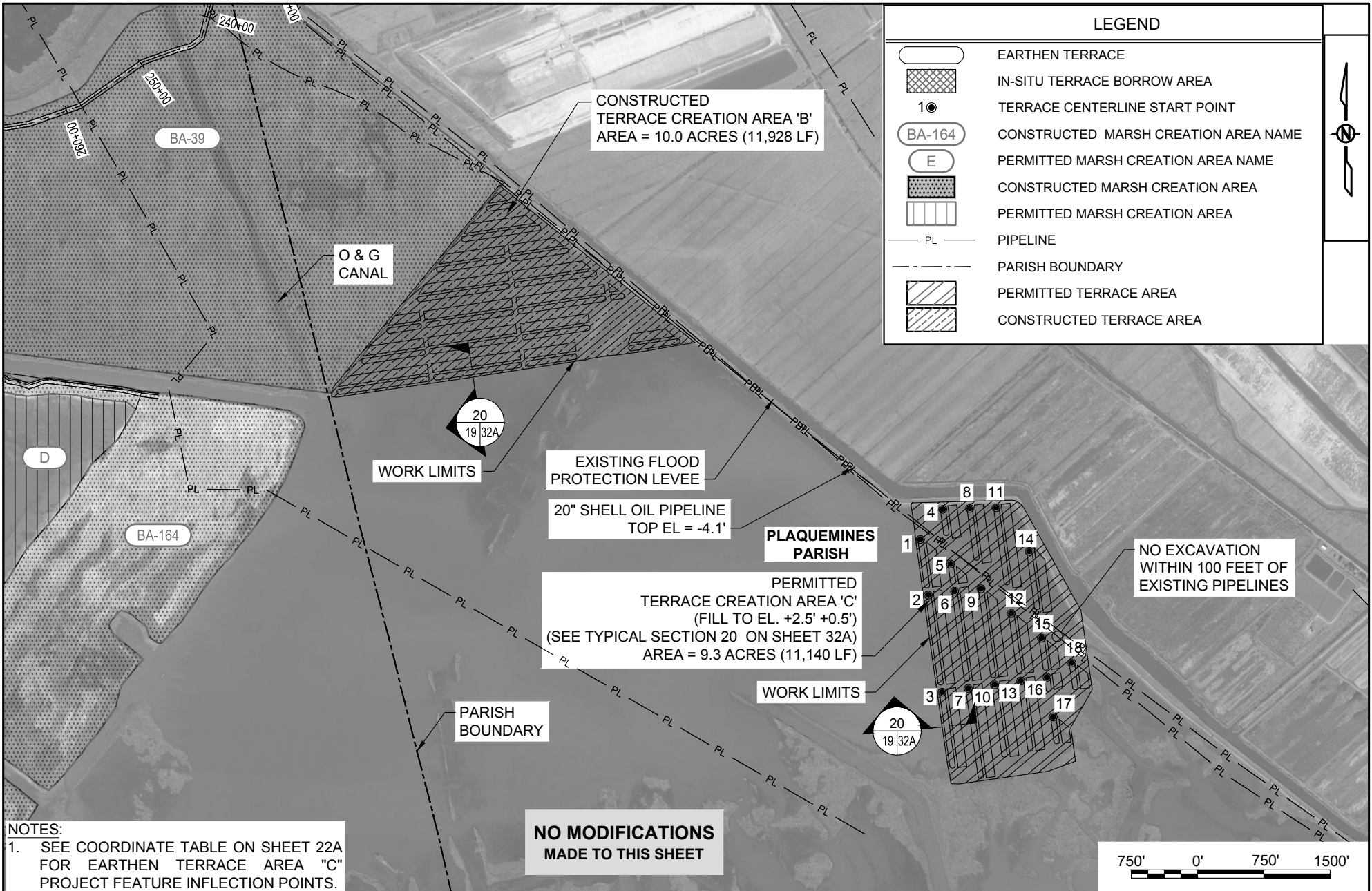
LEGEND	
	EXISTING PERMANENT ACCESS CORRIDOR
	PROPOSED ACCESS CORRIDOR
	PROPOSED TEMPORARY CROSSING
	PROPOSED FLOATING PIPELINE CROSSING
	PERMITTED FLOTATION ACCESS CHANNEL
	PIPELINE
	CONSTRUCTED MARSH CREATION AREA NAME
	PERMITTED MARSH CREATION AREA NAME
	PROPOSED MARSH CREATION AREA NAME
	CONSTRUCTED MARSH CREATION AREA
	PERMITTED MARSH CREATION AREA
	PROPOSED MARSH CREATION AREA
	PROPOSED EARTHEN CONTAINMENT DIKE BORROW
	PROJECT FEATURE INFLECTION POINT
	PROTECTED AREA - "NO WORK" ZONE



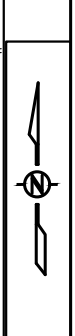
NOTE:
PROJECT FEATURE INFLECTION POINTS FOR MCA "D" ARE MODIFIED TO ALIGN WITH AS-BUILT BA-43 (EB) AND BA-164 CONSTRUCTED MARSH CREATION AREAS



BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	ADDITIONAL MARSH FILL - AREA D - PERMITTED		
							STATE PROJECT NUMBER:	DATE: JUNE, 2020
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					FEDERAL PROJECT NUMBER: BA-207	SHEET 18 OF 54



LEGEND	
	EARTHEN TERRACE
	IN-SITU TERRACE BORROW AREA
	TERRACE CENTERLINE START POINT
	CONSTRUCTED MARSH CREATION AREA NAME
	PERMITTED MARSH CREATION AREA NAME
	CONSTRUCTED MARSH CREATION AREA
	PERMITTED MARSH CREATION AREA
	PIPELINE
	PARISH BOUNDARY
	PERMITTED TERRACE AREA
	CONSTRUCTED TERRACE AREA

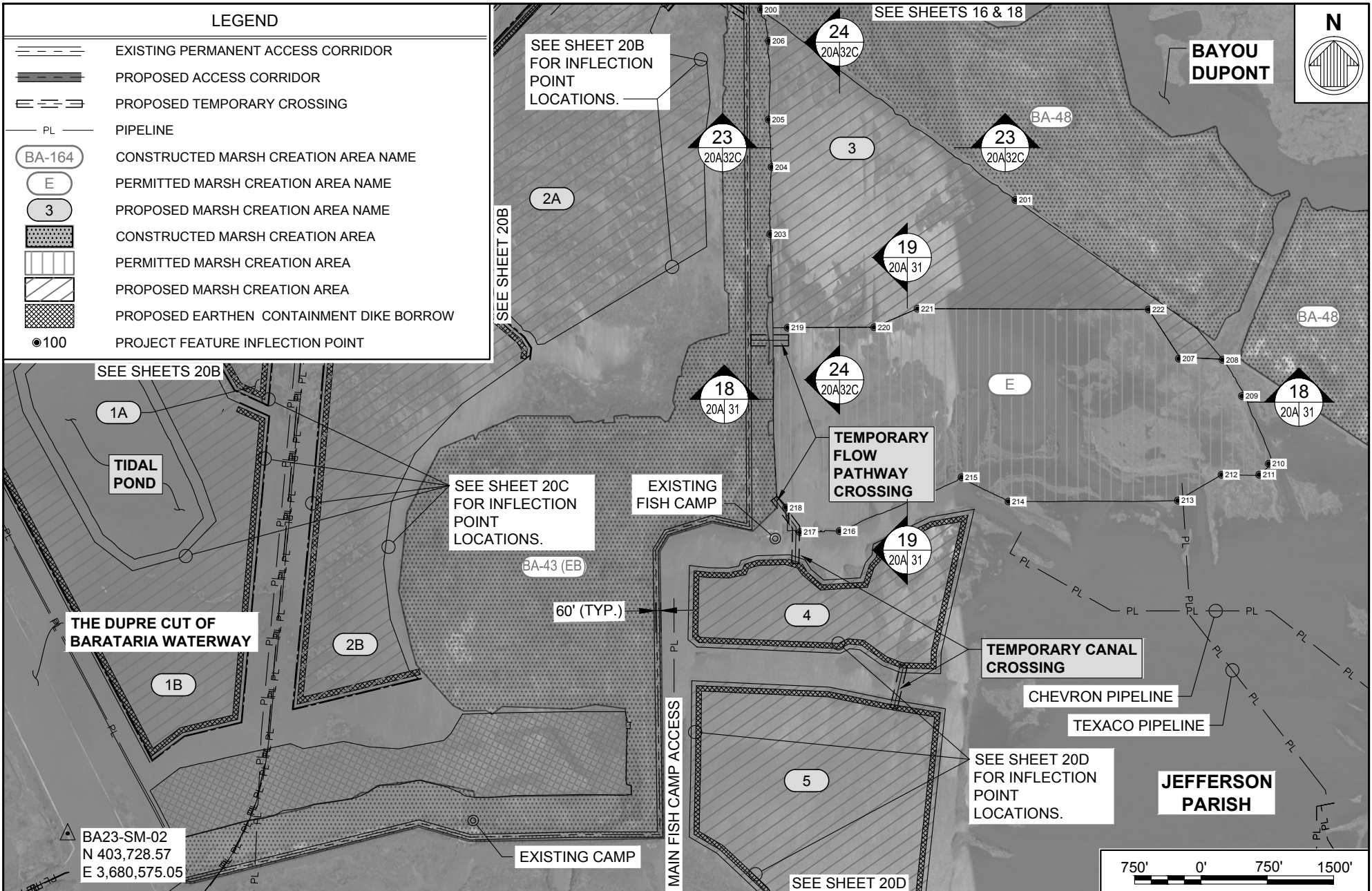


NOTES:
 1. SEE COORDINATE TABLE ON SHEET 22A FOR EARTHEN TERRACE AREA "C" PROJECT FEATURE INFLECTION POINTS.

**NO MODIFICATIONS
 MADE TO THIS SHEET**

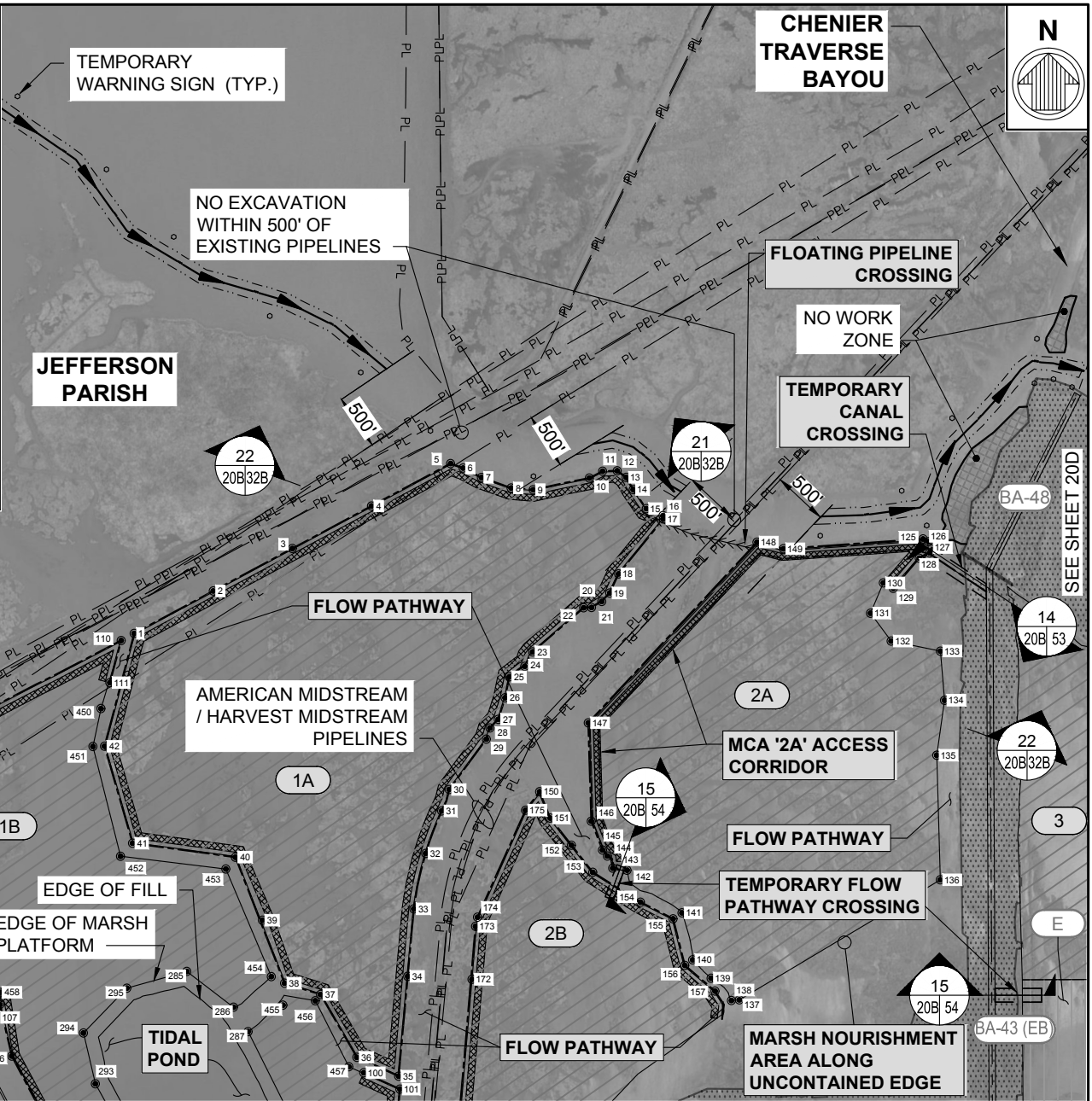


BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	EARTHEN TERRACE - AREAS B AND C - PERMITTED		
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 19 OF 54



BY	DESCRIPTION	DATE	 moffatt & nichol ONE AMERICAN PLACE 301 MAIN STREET, SUITE 800 BATON ROUGE, LA 70801 225-336-2075	NOAA RESTORATION CENTER 5304 FLANDERS DR., SUITE B BATON ROUGE, LOUISIANA 70808-7206	LARGE-SCALE BARATARIA MARSH CREATION: UPPER BARATARIA COMPONENT	MARSH CREATION AREA 3 - PROPOSED & AREA E - PERMITTED		
DRAWN BY: JAD	DESIGNED BY: NC	APPROVED BY:					STATE PROJECT NUMBER:	DATE: JUNE, 2020
							FEDERAL PROJECT NUMBER: BA-207	SHEET 20A OF 54

LEGEND	
	EXISTING PERMANENT ACCESS CORRIDOR
	PROPOSED ACCESS CORRIDOR
	PROPOSED TEMPORARY CROSSING
	PROPOSED FLOATING PIPELINE CROSSING
	PERMITTED FLOTATION ACCESS CHANNEL
	PIPELINE
	CONSTRUCTED MARSH CREATION AREA NAME
	PERMITTED MARSH CREATION AREA NAME
	PROPOSED MARSH CREATION AREA NAME
	CONSTRUCTED MARSH CREATION AREA
	PERMITTED MARSH CREATION AREA
	PROPOSED MARSH CREATION AREA
	PROPOSED EARTHEN CONTAINMENT DIKE BORROW
	PROJECT FEATURE INFLECTION POINT



BY	DESCRIPTION	DATE

moffatt & nichol
 ONE AMERICAN PLACE
 301 MAIN STREET, SUITE 800
 BATON ROUGE, LA 70801
 225-336-2075

NOAA RESTORATION CENTER
 5304 FLANDERS DR., SUITE B
 BATON ROUGE, LOUISIANA 70808-7206

**LARGE-SCALE BARATARIA MARSH CREATION:
 UPPER BARATARIA COMPONENT**

STATE PROJECT NUMBER:
 FEDERAL PROJECT NUMBER: BA-207

**MARSH CREATION
 AREAS - 1A, 1B & 2A -
 PROPOSED**

DATE: JUNE, 2020
 SHEET 20B OF 54