

# JOINT PUBLIC NOTICE

July 29, 2013

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

(504) 862-2041; FAX (504) 862-2117  
Robert.m.tewis2@usace.army.mil  
Project Manager  
Robert Tewis  
Permit Application Number  
MVN-2013-01658-ETT

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

(225) 219-3225  
Fax (225) 325-8250  
Project Manager  
Jamie Phillippe  
WQC Application Number  
WQC JP # 130723-01

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, 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).

## **CONSTRUCT FOUR CREVASES & MAINTENANCE DREDGE THREE EXISTING CREVASES & USE DREDGE MATERIALS FOR MARSH CREATION/RESTORATION IN ADJACENT OPEN WATERS, IN PLAQUEMINES PARISHES, LOUISIANA**

**NAME OF APPLICANT:** Louisiana Dept. of Wildlife and Fisheries c/o Louisiana Coastal Protection and Restoration Authority, Attention: Sydney Dobson, 450 Laurel Street, Baton Rouge, Louisiana 70801.

**LOCATIONS OF WORK:** Within lower Mississippi River distributaries and their adjacent waters: 1.) Main Pass at Lat: 29.2413, Long: -89.2402, & Lat: 29.3608, Long: -89.2308, 2.) Octave Pass at Lat: 29.2009, Long: -89.2509, & Lat: 29.2054, Long: -89.2338, 3.) Sawdust Bend at Lat: 29.1412, Long: -89.2269, 4.) Johnson's Pass at Lat: 29.1275, Long: -89.2094, 5.) South Pass Campground at Lat: 29.1059, Long: -89.2367, all within Plaquemines Parish, Louisiana.

**CHARACTER OF WORK:** Construct and maintain four new crevasses, two in Main Pass and two in Octave Pass and maintenance dredge the heads of three existing crevasses: Sawdust Bend, Johnson's Pass and South Pass Campground. The dredging activity will involve either barge mounted backhoes, dragline excavators or hydraulic cutter head dredges. A minimum of 323,603 cubic yards of native materials would be dredged if mechanical dredging is used and the dredged materials would be side-cast into approximately 40 acres of water bottoms along either side of the crevasses and stacked to an elevation conducive for creating and/or restoring riverine/tidal marsh habitat. A maximum of 1,089,078 cubic yards

of native materials would be dredged if hydraulic cutter head dredges are used and the dredged materials would be delivered via pipe line into approximately 397 acres of open water areas adjacent to the crevasses and stacked to an elevation conducive for creating and/or restoring riverine/tidal marsh habitat. To construct the four new crevasses and maintenance dredge the three existing crevasses approximately 3.6 acres of herbaceous wetlands, 3.2 acres of shallow non-vegetated bottoms and 8.2 acres of deeper non-vegetated water bottoms would be dredged. The dredge materials would be side cast and/or delivered via pipeline into primarily non vegetated areas to create and/or restore approximately 40 to 397 acres of combined riverine/tidal wetland and shallow water habitats. The project is proposed to result in a substantial long term gain of riverine/tidal marsh and shallow water habitats and no mitigation is proposed. Other equipment proposed to be used during construction are airboats, backhoes, bulldozers/grader and marsh buggies.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

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 receives approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

#### **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 Corps of Engineers is unaware of any properties listed on the National Register of Historic Places at or near the proposed work site. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and the State Historic Preservation Officer.

The Corps is unaware of any Endangered Species Act (ESA) listed species that may be adversely affected by the proposed activity. Our initial finding is that the proposed work would neither affect any ESA listed species nor affect any habitat designated as critical to the survival and recovery of any ESA listed species.

This notice initiates the EFH consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The proposal would result in temporary adverse impacts to  $\pm 15$  acres of EFH and result in long term improvements to as much as 397+ acres of EFH utilized by various life stages of red drum, blue crab and penaeid shrimp. Our initial determination is that the proposed action may have temporary adverse impacts on EFH or federally managed fisheries of the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

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, Office of Environmental Services, 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.

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.

Attachments

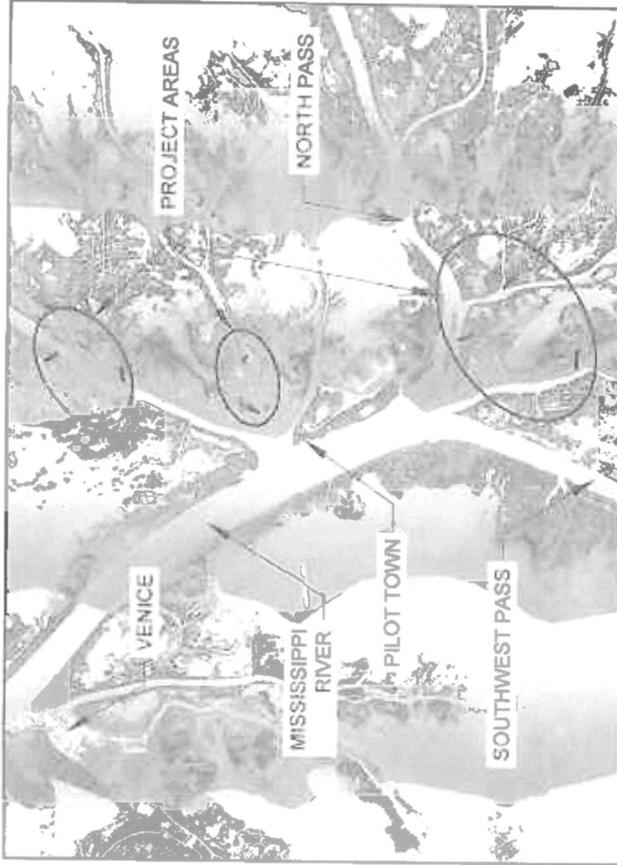
STATE OF LOUISIANA  
COASTAL PROTECTION AND RESTORATION AUTHORITY

DELTA-WIDE CREVASSES  
PROJECT  
MR-09  
PLAQUEMINES PARISH

INDEX TO SHEETS

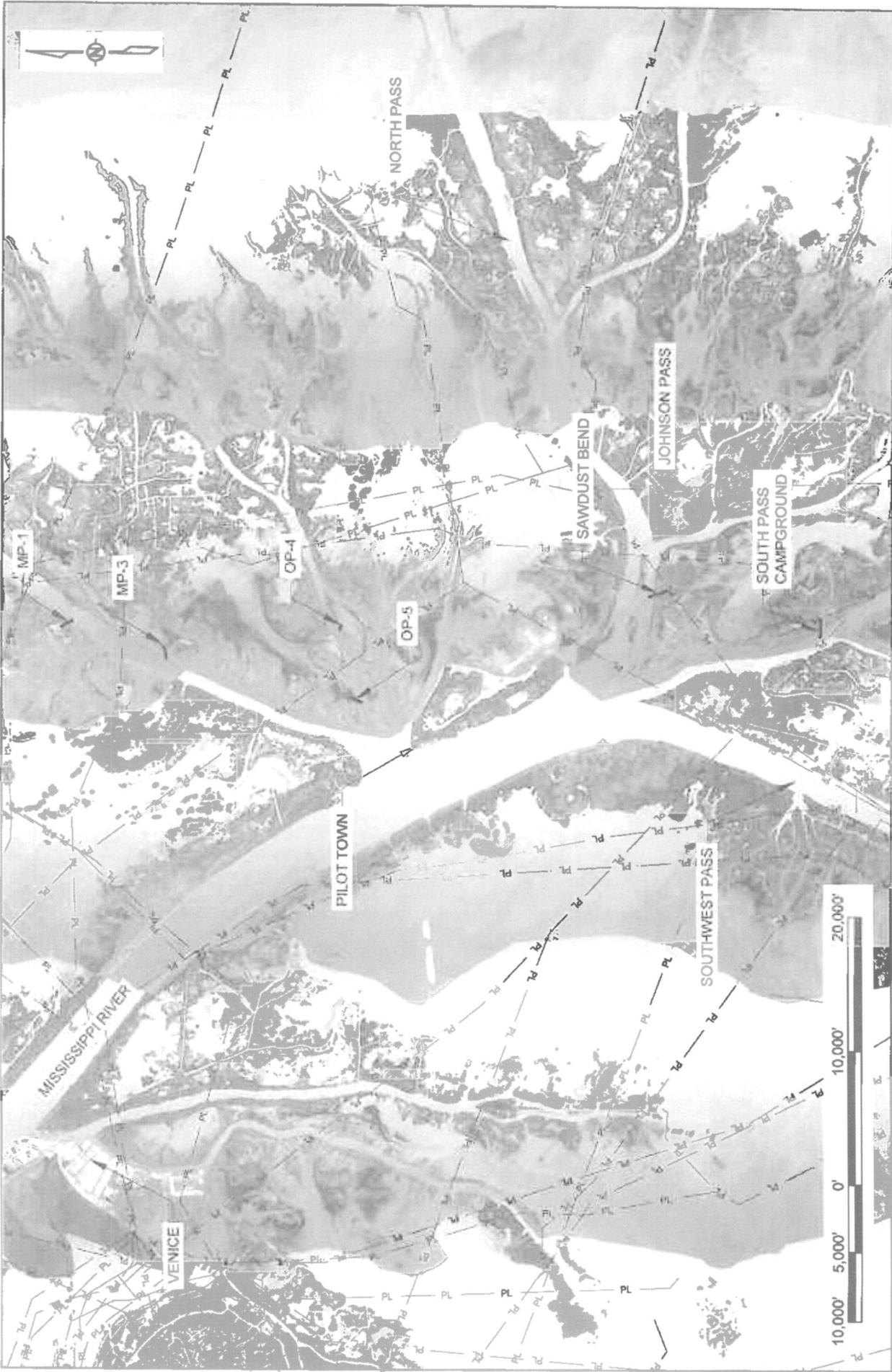
SHEET NO. DESCRIPTION

- 1 TITLE SHEET
- 2 TYPICAL SECTION
- 3 CREVASSE MP-1 LAYOUT
- 4 CREVASSE MP-3 LAYOUT
- 5 CREVASSE OP-4 LAYOUT
- 6 CREVASSE OP-5 LAYOUT
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- 15 SAWDUST BEND NORTH TYPICAL SECTION
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- 17 HYDRAULIC DREDGE PLACEMENT TYPICAL SECTION



**NOT FOR CONSTRUCTION**  
DOCUMENTS ARE NOT TO BE USED FOR  
CONSTRUCTION, BIDDING, RECORDATION,  
CONVEYANCE, OR SALES.

APPLICATION BY: LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES 2000 QUAIL DRIVE BATON ROUGE, LA 70808	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	DELTA-WIDE CREVASSES PROJECT	TITLE SHEET
DRAWN BY: SHANE FAUST	DESIGNED BY: KYLE BREAU, E.I. APPROVED BY: TOM BERNARD, P.E.	STATE PROJECT NUMBER: MR-09 FEDERAL PROJECT NUMBER: MR-09	DATE: MAY 2013 SHEET 1 OF 17



APPLICATION BY: LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES 2000 QUAIL DRIVE BATON ROUGE, LA 70808	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	DELTA-WIDE CREVASSES PROJECT	PLAN VIEW
DRAWN BY: SHANE FAUST	DESIGNED BY: KYLE BREAU, E.I.	APPROVED BY: TOM BERNARD, P.E.	STATE PROJECT NUMBER: MR-09 FEDERAL PROJECT NUMBER: MR-09
DATE: MAY 2013			SHEET 2 OF 17



Delta Wide Crevasses MR-09  
Location Map  
Coastal Protection And Restoration Authority  
450 Laurel Street  
Baton Rouge, Louisiana 70801

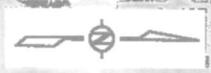
BASELINE COORDINATES			
POINT	LONGITUDE	LATITUDE	
A	89° 13' 51.01"	29° 15' 38.96"	
B	89° 13' 56.11"	29° 15' 47.79"	



- NOTES:**
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CREVASSE EQUALS 56,215 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR

APPLICATION BY: LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES 2000 OUAL DRIVE BATON ROUGE, LA, 70808	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	DELTA-WIDE CREVASSES PROJECT	CREVASSE MP-1 LAYOUT
DRAWN BY: SHANE FAUST	DESIGNED BY: KYLE BREAUX, E.I.	STATE PROJECT NUMBER: MR-09 FEDERAL PROJECT NUMBER: MR-09	DATE: MAY 2013 SHEET 3 OF 17
		APPROVED BY: TOM BERNARD, P.E.	



BASELINE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 14' 24.69"	29° 14' 28.84"
B	89° 14' 13.55"	29° 14' 30.41"

LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR



- NOTES:**
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CREVASSE EQUALS 56,974 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA 70808

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

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAU, E.I.

APPROVED BY: TOM BERNARD, P.E.

DELTA-WIDE CREVASSES PROJECT

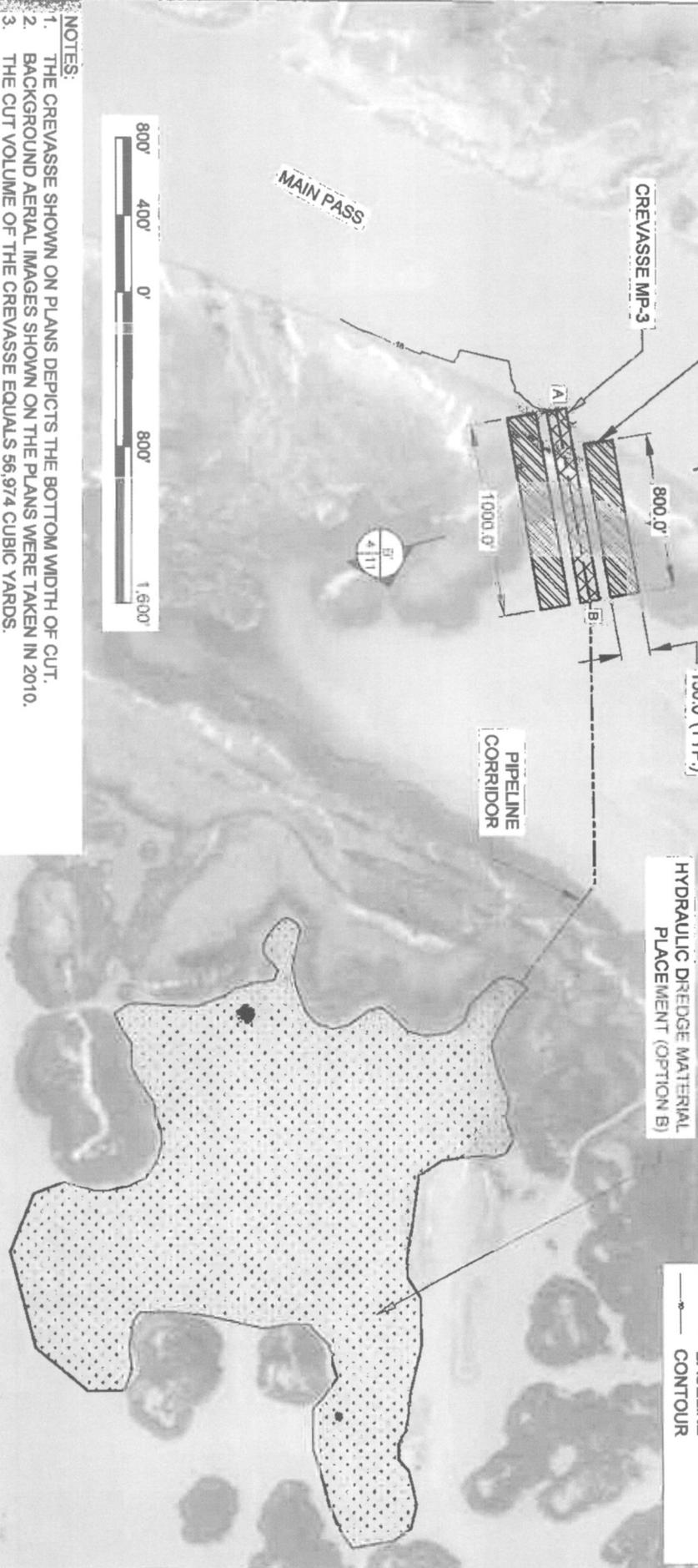
STATE PROJECT NUMBER: MR-09

FEDERAL PROJECT NUMBER: MR-09

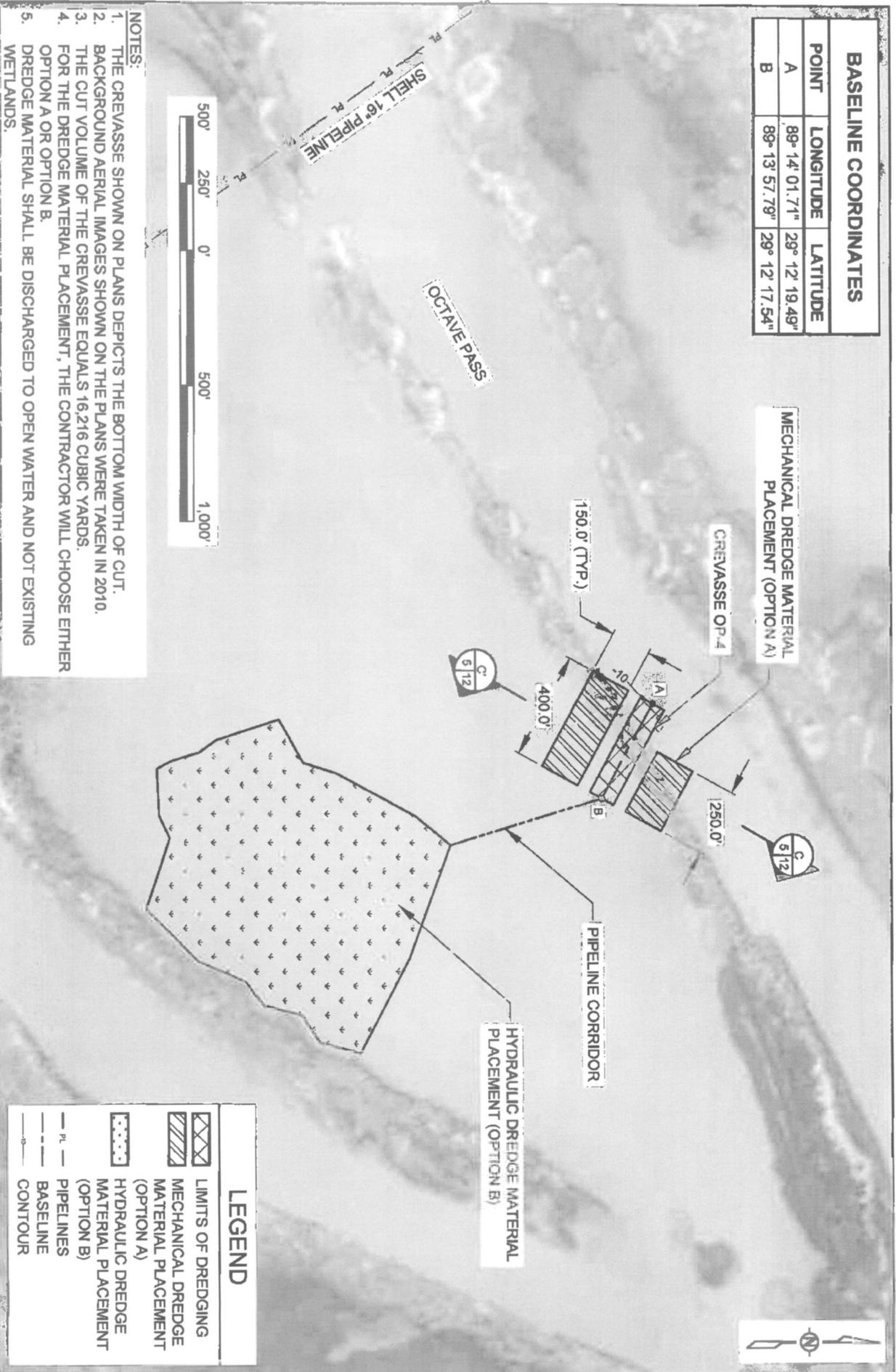
CREVASSE MP-3 LAYOUT

DATE: MAY 2013

SHEET 4 OF 17



BASELINE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 14' 01.71"	29° 12' 19.49"
B	89° 13' 57.79"	29° 12' 17.54"



- NOTES:
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CREVASSE EQUALS 16,216 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA 70808

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

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAUX, E.I.

APPROVED BY: TOM BERNARD, P.E.

STATE PROJECT NUMBER: MR-09  
 FEDERAL PROJECT NUMBER: MR-09

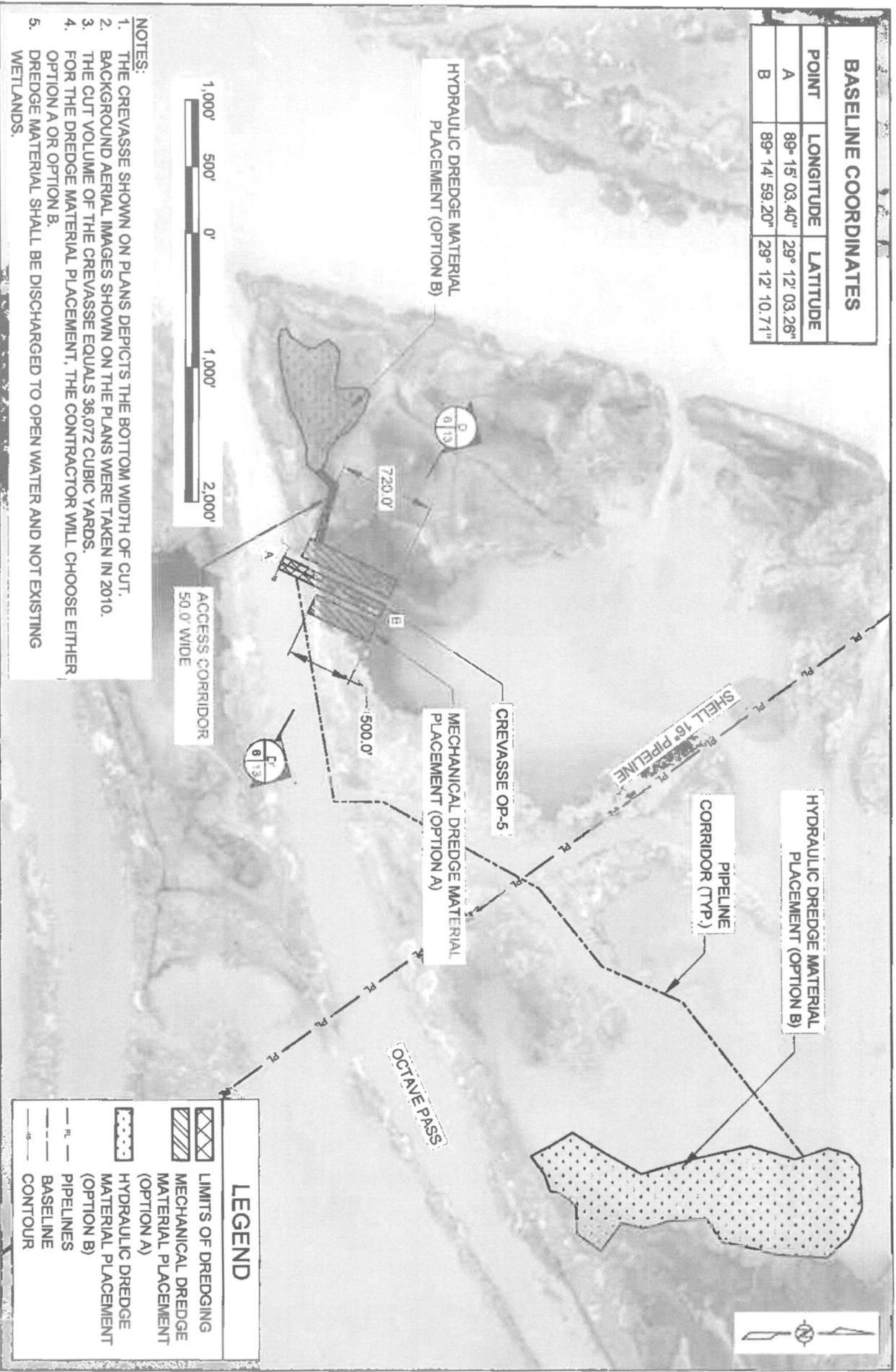
DATE: MAY 2013  
 SHEET 5 OF 17

DELTA-WIDE CREVASSES PROJECT

CREVASSE OP-4 LAYOUT

LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR

BASELINE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 15' 03.40"	29° 12' 03.26"
B	89° 14' 59.20"	29° 12' 10.71"



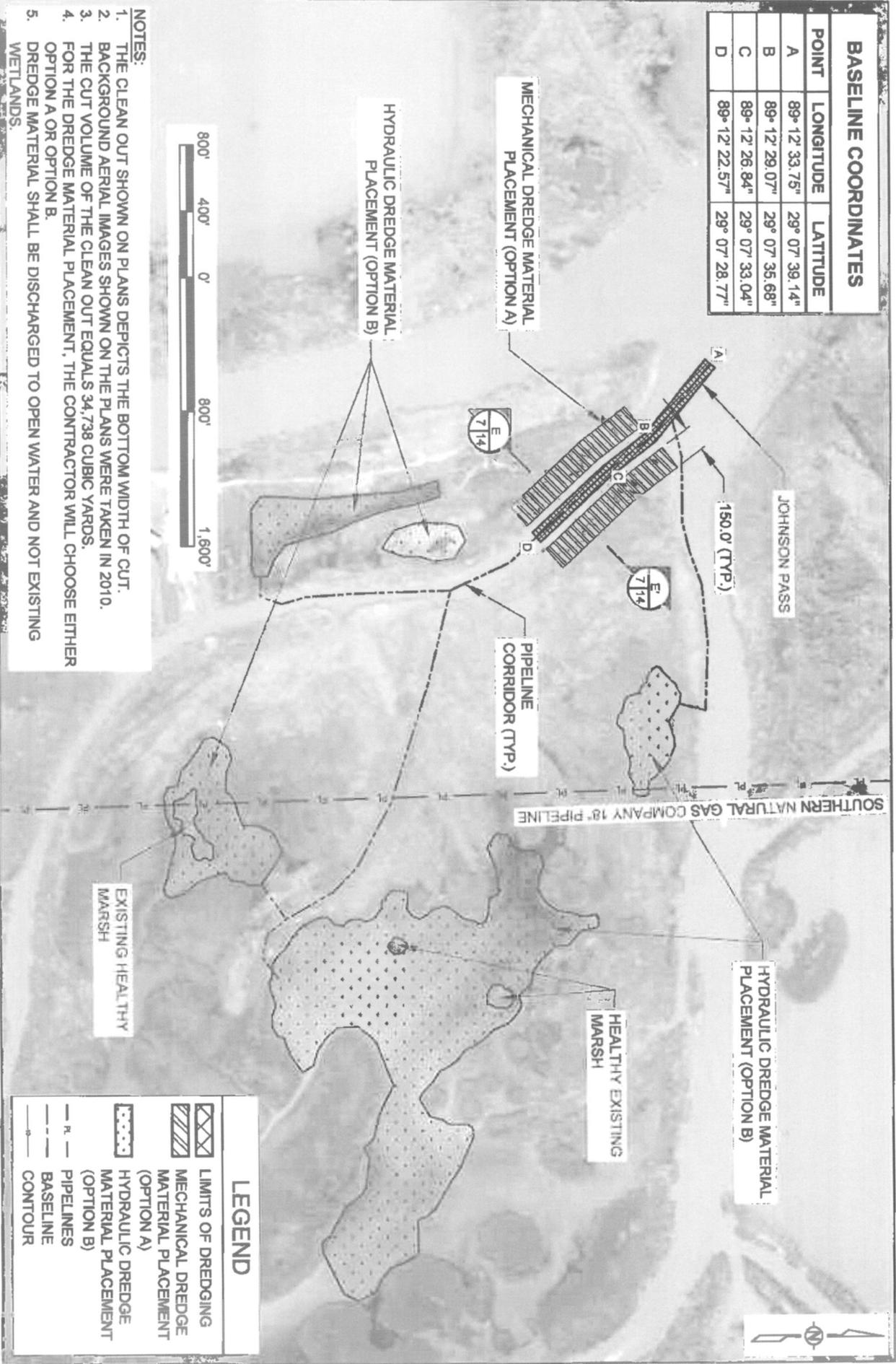
- NOTES:**
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CREVASSE EQUALS 36,072 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.



LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE CONTOUR

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES 2000 DUJALE DRIVE BATON ROUGE, LA, 70808	<b>COASTAL PROTECTION AND RESTORATION AUTHORITY</b> 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	DESIGNED BY: KYLE BREAUX, E.I.	APPROVED BY: TOM BERNARD, P.E.	DELTA-WIDE CREVASSES PROJECT	CREVASSE OP-5 LAYOUT
DRAWN BY: SHANE FAUST		STATE PROJECT NUMBER: MR-09	FEDERAL PROJECT NUMBER: MR-09	DATE: MAY 2013	SHEET 6 OF 17

BASELINE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 12' 33.75"	29° 07' 39.14"
B	89° 12' 29.07"	29° 07' 35.69"
C	89° 12' 26.84"	29° 07' 33.04"
D	89° 12' 22.57"	29° 07' 28.77"



- NOTES:**
1. THE CLEAN OUT SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CLEAN OUT EQUALS 34,738 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR

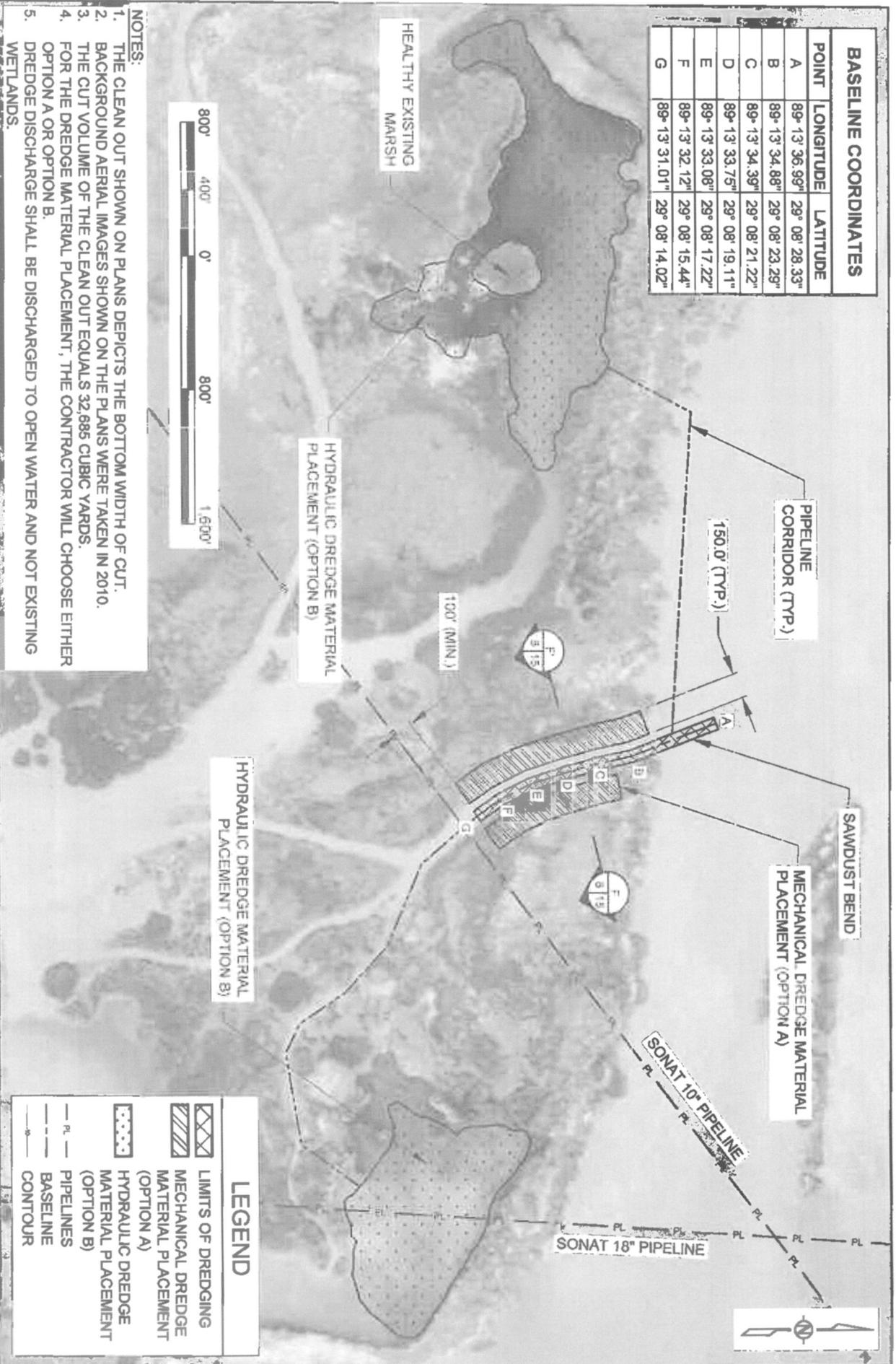
APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA, 70808

DESIGNED BY: KYLE BREAUX, E.I.  
 APPROVED BY: TOM BERNARD, P.E.

DELTA-WIDE CREVASSES PROJECT  
 STATE PROJECT NUMBER: MR-09  
 FEDERAL PROJECT NUMBER: MR-09

JOHNSON PASS LAYOUT  
 DATE: MAY 2013  
 SHEET 7 OF 17

BASELINE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 13' 36.99"	29° 08' 28.33"
B	89° 13' 34.88"	29° 08' 23.29"
C	89° 13' 34.39"	29° 08' 21.22"
D	89° 13' 33.75"	29° 08' 19.11"
E	89° 13' 33.08"	29° 08' 17.22"
F	89° 13' 32.12"	29° 08' 15.44"
G	89° 13' 31.01"	29° 08' 14.02"



- NOTES:**
1. THE CLEAN OUT SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CLEAN OUT EQUALS 32,686 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE DISCHARGE SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA 70808

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

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAU, E.I.

APPROVED BY: TOM BERNARD, P.E.

DELTA-WIDE CREVASSES PROJECT

SAWDUST BEND LAYOUT

STATE PROJECT NUMBER: MR-09

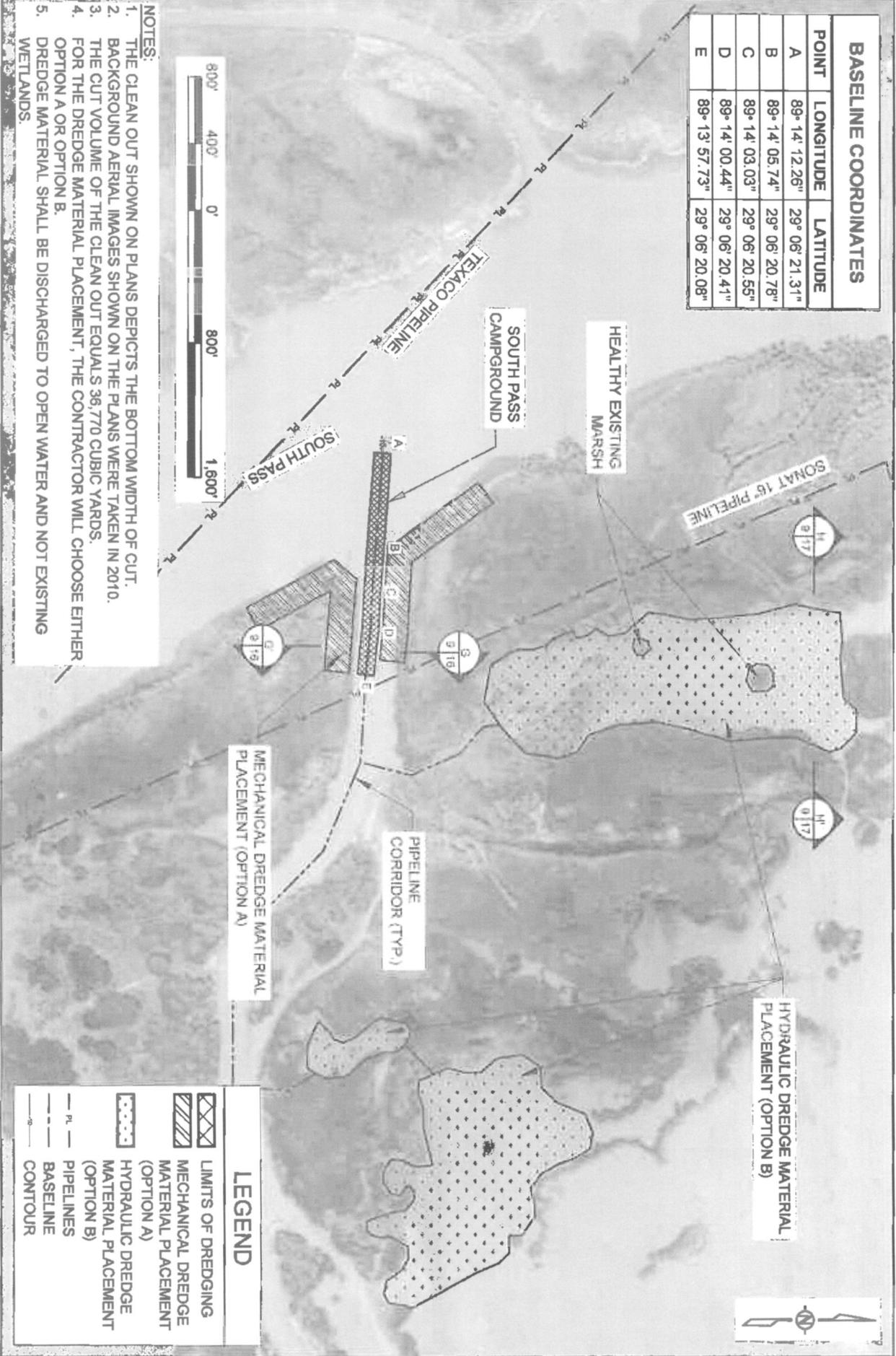
DATE: MAY 2013

FEDERAL PROJECT NUMBER: MR-09

SHEET 8 OF 17

LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR

BASELINE COORDINATES			
POINT	LONGITUDE	LATITUDE	
A	89° 14' 12.26"	29° 06' 21.31"	
B	89° 14' 05.74"	29° 06' 20.78"	
C	89° 14' 03.03"	29° 06' 20.55"	
D	89° 14' 00.44"	29° 06' 20.41"	
E	89° 13' 57.73"	29° 06' 20.08"	



- NOTES:**
1. THE CLEAN OUT SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
  2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
  3. THE CUT VOLUME OF THE CLEAN OUT EQUALS 36,770 CUBIC YARDS.
  4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
  5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 OUAL DRIVE  
 BATON ROUGE, LA 70808

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

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAUX, E.I.

APPROVED BY: TOM BERNARD, P.E.

DELTA-WIDE CREVASSES PROJECT

SOUTH PASS CAMPGROUND LAYOUT

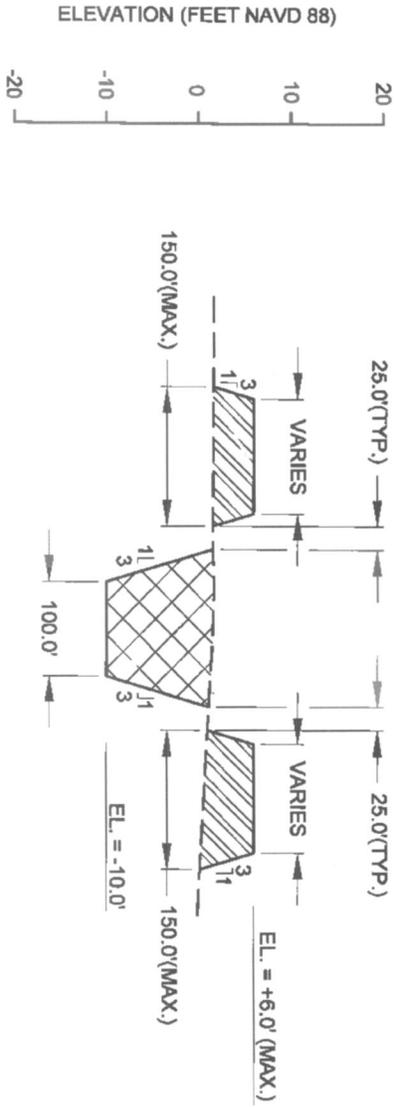
STATE PROJECT NUMBER: MR-09

FEDERAL PROJECT NUMBER: MR-09

DATE: MAY 2013

SHEET 9 OF 17

LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR



TYPICAL SECTION B-B'



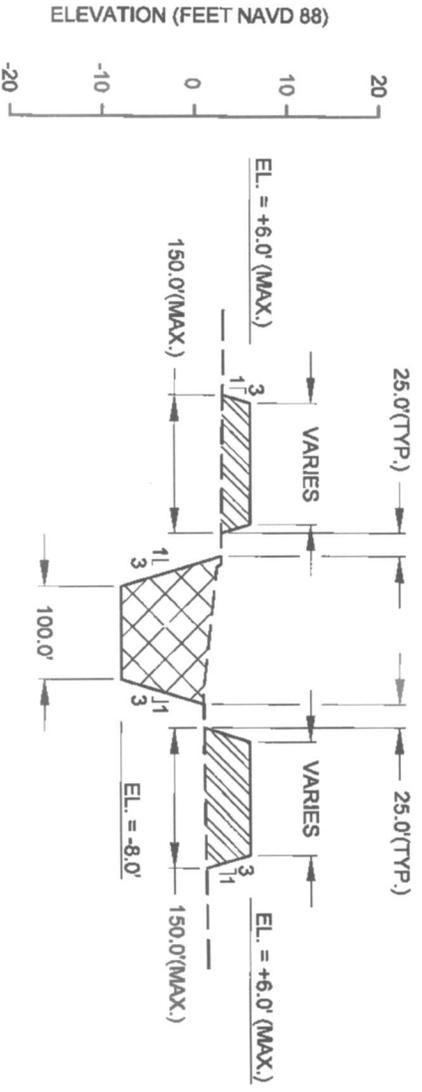
LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA, 70808

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

DELTA-WIDE CREVASSES PROJECT

CREVASSE MP-3  
 TYPICAL SECTION

DRAWN BY: SHANE FAUST  
 DESIGNED BY: KYLE BREAUX, E.I.  
 APPROVED BY: TOM BERNARD, P.E.  
 STATE PROJECT NUMBER: MR-09  
 FEDERAL PROJECT NUMBER: MR-09  
 DATE: MAY 2013  
 SHEET 11 OF 17



TYPICAL SECTION C-C'

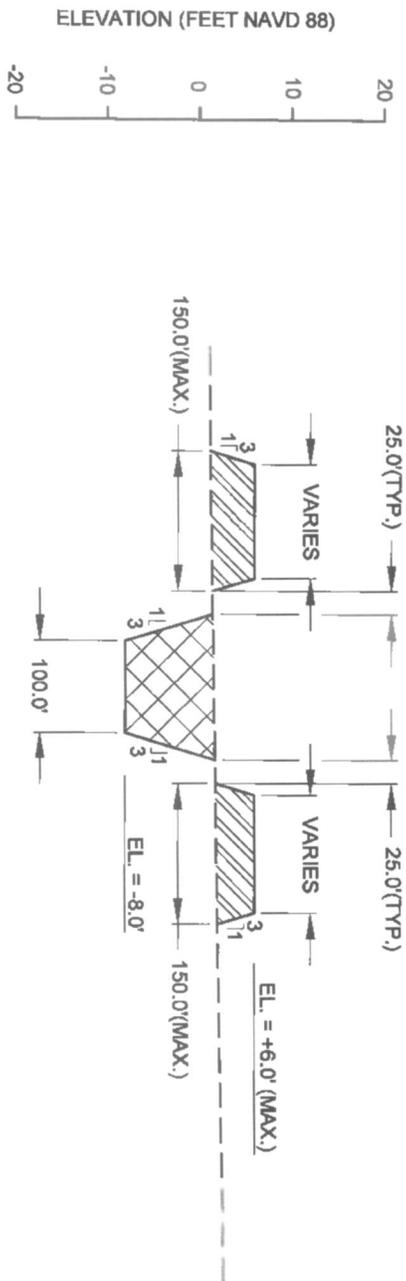
LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 OUAL DRIVE  
 BATON ROUGE, LA, 70808

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

DELTA-WIDE CREVASSES PROJECT

CREVASSE OP-4  
 TYPICAL SECTION

DRAWN BY: SHANE FAUST      DESIGNED BY: KYLE BREAU, E.I.      APPROVED BY: TOM BERNARD, P.E.      STATE PROJECT NUMBER: MR-09      FEDERAL PROJECT NUMBER: MR-09      DATE: MAY 2013      SHEET 12 OF 17



TYPICAL SECTION D-D'



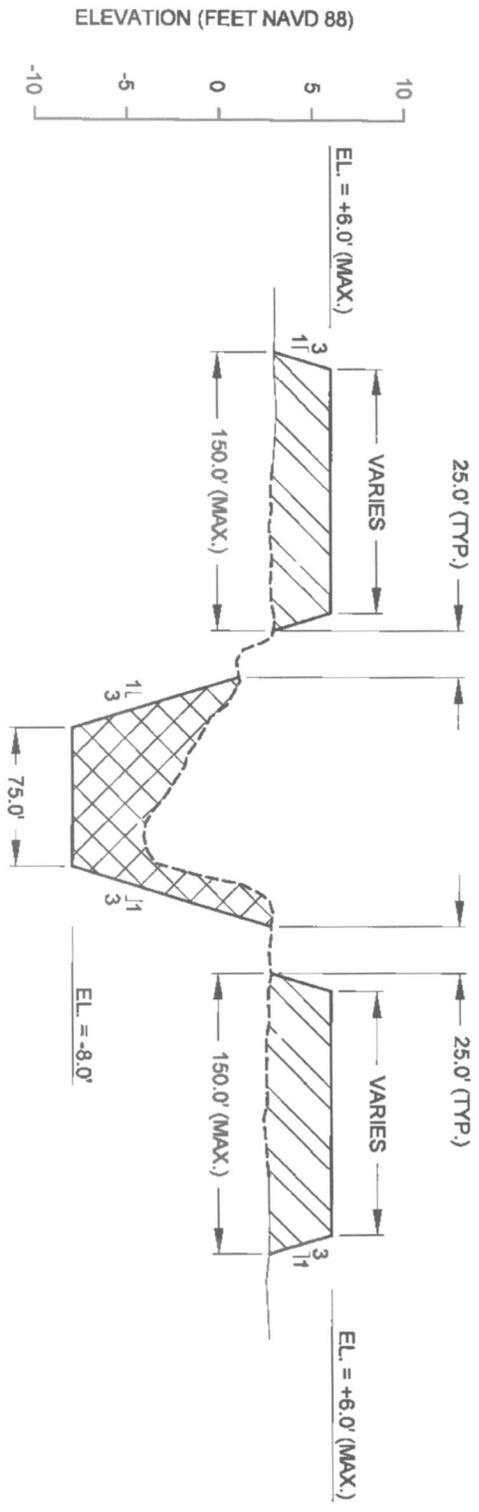
APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA. 70808

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

DELTA-WIDE CREVASSES PROJECT

CREVASSE OP-5 TYPICAL SECTION

DRAWN BY: SHANE FAUST	DESIGNED BY: KYLE BREAUX, E.I.	APPROVED BY: TOM BERNARD, P.E.	STATE PROJECT NUMBER: MR-09	DATE: MAY 2013
			FEDERAL PROJECT NUMBER: MR-09	SHEET 13 OF 17



TYPICAL SECTION E-E'



APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 QUAIL DRIVE  
 BATON ROUGE, LA, 70808

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

DELTA-WIDE CREVASSES PROJECT

JOHNSON PASS TYPICAL SECTION

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAUX, E.I.

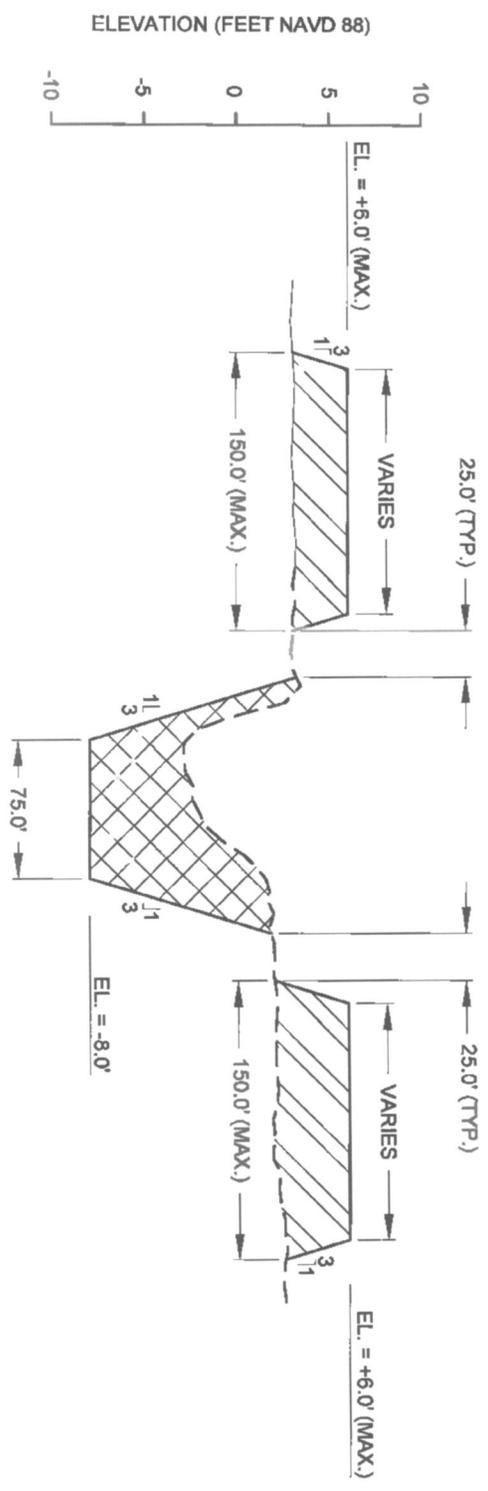
APPROVED BY: TOM BERNARD, P.E.

FEDERAL PROJECT NUMBER: MR-09

STATE PROJECT NUMBER: MR-09

DATE: MAY 2013

SHEET 14 OF 17



TYPICAL SECTION F-F'



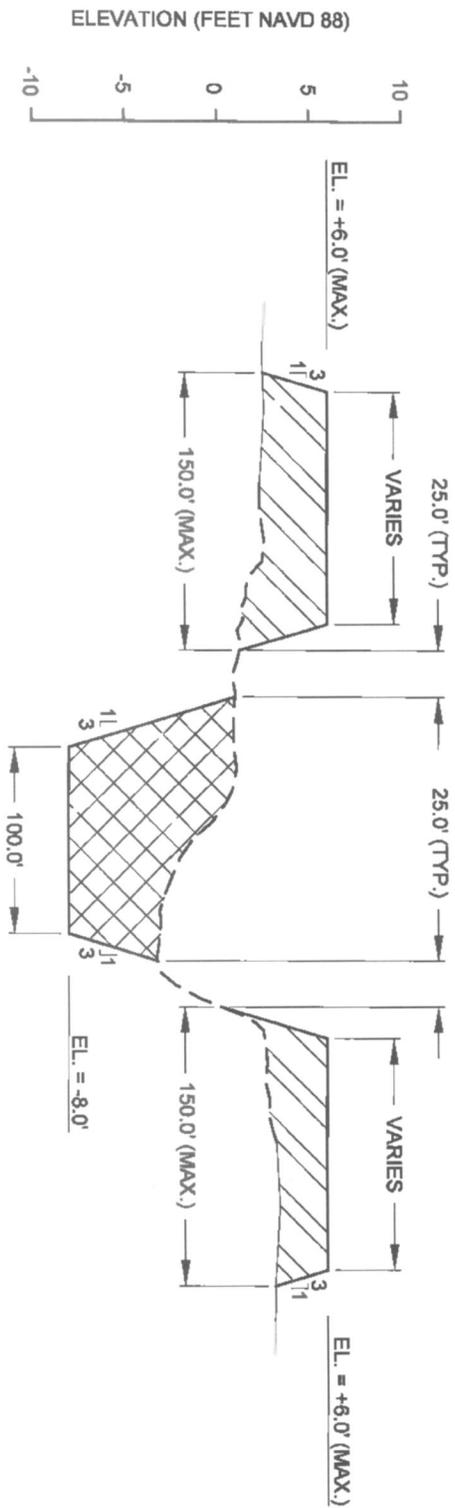
APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 3005 QUAIL DRIVE  
 BATON ROUGE, LA, 70808

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

DELTA-WIDE CREVASSES PROJECT

SAWDUST BEND NORTH TYPICAL SECTION

DRAWN BY: SHANE FAUST      DESIGNED BY: KYLE BREAU, E.I.      APPROVED BY: TOM BERNARD, P.E.      STATE PROJECT NUMBER: MR-09      FEDERAL PROJECT NUMBER: MR-09      DATE: MAY 2013      SHEET 15 OF 17



TYPICAL SECTION G-G'



APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2900 QUAIL DRIVE  
 BATON ROUGE, LA, 70806

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

DELTA-WIDE CREVASSES PROJECT

SOUTH PASS CAMPGROUND TYPICAL SECTION

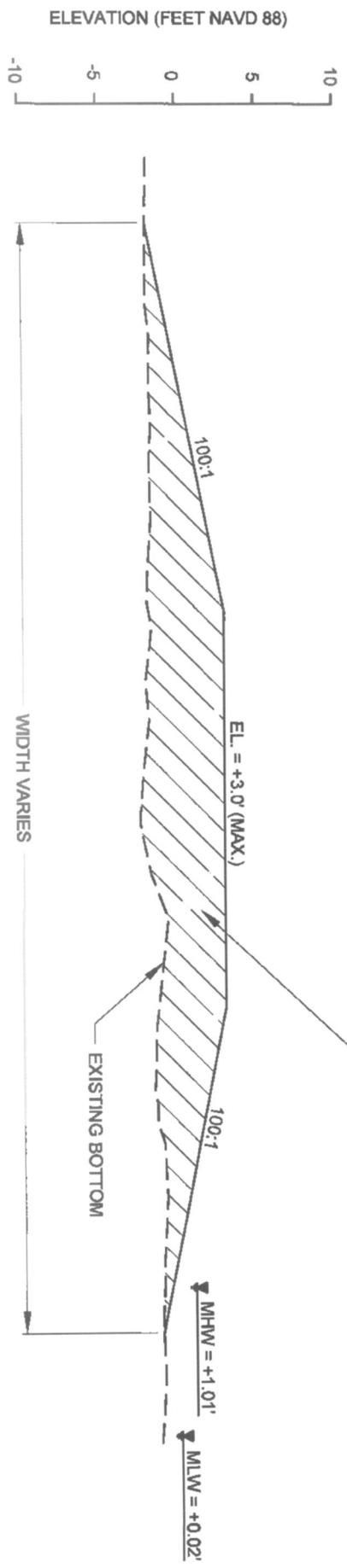
DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAUX, E.I.

APPROVED BY: TOM BERNARD, P.E.

STATE PROJECT NUMBER: MR-09  
 FEDERAL PROJECT NUMBER: MR-09

DATE: MAY 2013  
 SHEET 16 OF 17



TYPICAL SECTION H-H'



APPLICATION BY:  
 LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES  
 2000 OUAL DRIVE  
 BATON ROUGE, LA. 70808

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

DELTA-WIDE CREVASSES PROJECT

HYDRAULIC DREDGE PLACEMENT TYPICAL SECTION

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAU, E.I.

APPROVED BY: TOM BERNARD, P.E.

STATE PROJECT NUMBER: MR-09  
 FEDERAL PROJECT NUMBER: MR-09

DATE: MAY 2013  
 SHEET 17 OF 17