



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVE  
NEW ORLEANS, LA 70118-3651

# PUBLIC NOTICE

November 15, 2021

United States Army  
Corps of Engineers  
New Orleans District  
Attn: CEMVN-RG  
7400 Leake Ave.  
New Orleans, Louisiana 70118-3651

Project Manager:  
Stephen Pfeffer  
(504) 862-2099  
Stephen.d.pfeffer@usace.army.mil  
Application #: MVN-2003-02331-MS

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: [  ] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [  ] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

## **Time Extension to Maintenance Dredge the Ostrica Canal in Plaquemines Parish**

**NAME OF APPLICANT:** Louisiana Department of Transportation and Development, Post Office Box 94245, Baton Rouge, Louisiana 70804.

**LOCATION OF WORK:** Located in the Ostrica Canal from its intersection with the Mississippi River at River Mile 25.1 to its intersection with Quarantine Bay in Plaquemines Parish, Buras, Louisiana, (lat. 29° 21' 53", long. 89° 31' 45"), as shown within the attached drawings. (Hydrologic Unit Code 08090100, Lower Mississippi Watershed)

**CHARACTER OF WORK:** Conduct maintenance dredging of the Ostrica Canal and Locks for the purpose of providing safe marine vessel passage from the Mississippi River to Quarantine Bay. Approximately 175,000 cubic yards of material across 12.6 acres of non-vegetated waterbottoms will be dredged and beneficially placed within the existing disposal cells adjacent to the Ostrica Canal.

The comment period on the requested Department of the Army Permit will close **20 days** from the date of this 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 request, and must be submitted so as to be received before or by the last day of the comment period. Letters and/or comments concerning the subject permit application must reference the Applicant's Name and the Permit Application Number and can be preferably emailed to the Corps of Engineers project manager listed above or forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, CEMVN-RG, Stephen Pfeffer**. Individuals or parties may also request an extension of time in which to comment on the proposed work by mail or preferably by emailing the specified project manager listed above. Any request for an extension of time to comment 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 and inclusive of the initial comment period and will not exceed a total of 30 calendar days.

### **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.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project is located in waters known to be utilized by the pallid sturgeon (*Scaphirhynchus albus*) and the West Indian Manatee (*Trichechus manatus*). Based on the project details, it has been further determined that the activity is not likely to adversely affect these species. If this permit modification/time extension is issued, the permittee will be required to adhere to the Standard Manatee Conditions for In-Water activities as well as follow these IPaC conditions: 1) the cutterhead shall remain completely buried in bottom material during dredging operations; 2) If pumping water through the cutterhead is necessary to dislodge material or to clean the pumps or cutterheads, etc., the pumping rate shall be reduced to the lowest rate possible until the cutterhead is at mid-depth, where the pumping rate can be increased; 3) During the dredging, the pumping rates shall be reduced to the slowest speed feasible while the cutterhead descends to the bottom.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration, and/or disturbance of **12.6 acres** of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

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

Any person may request, (preferably by email to the project manager, or 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 receives approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

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

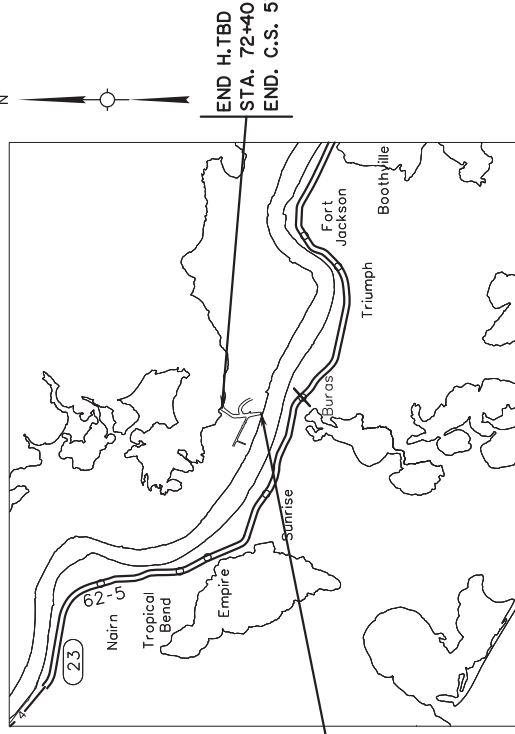
Martin S. Mayer  
Chief, Regulatory Division

Enclosure

**STANDARD PLANS**  
 DESCRIPTION REVISION DATE  
 EC-01 10-01-2008

STATE OF LOUISIANA  
 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
 PLANS OF PROPOSED STATE HIGHWAY

STATE PROJECT NUMBER H.TBD  
 CONTROL SECTION 570-38  
 DREDGING OF OSTRICA LOCKS & CANAL  
 PLAQUEMINES PARISH



BEGIN H. TBD  
 STA. 0+50  
 C.S. 570-38

END H.TBD  
 STA. 72+40  
 END. C.S. 570-38

**PRELIMINARY**  
 FOR PERMIT  
 PURPOSES ONLY

*Louisiana Department  
 of Transportation  
 and Development*  
 ENGINEER: Britiany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

**RECOMMENDED FOR APPROVAL**

DISTRICT ADMINISTRATOR \_\_\_\_\_  
 DATE \_\_\_\_\_  
**APPROVED**  
 DOTD CHIEF ENGINEER \_\_\_\_\_  
 DATE \_\_\_\_\_

**STANDARD SPECIFICATIONS**

THE 2016 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT SPECIFICATIONS, SHALL GOVERN ON THIS PROJECT

DATE	REVISION	DATE	RECOMMENDED	DATE	APPROVED

**SCHEDULE OF REVISIONS**

DESIGNED		CEV	PLAQUEMINES	SHEET NUMBER
CHECKED	BRR			
DETAILED		CEV	CONTROL SECTION	570-38
CHECKED	BRR		STATE PROJECT	
SERIES NUMBER				
NO.				
DATE				
REVISION OR CHANGE ORDER DESCRIPTION				
BY				



TITLE SHEET AND LAYOUT MAP  
 DREDGING OSTRICA LOCKS & CANAL





# INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND LAYOUT MAP
2	INDEX TO SHEETS
3	GENERAL CONSTRUCTION NOTES
4 - 8	TYPICAL SECTION
9	SUMMARY OF ESTIMATED QUANTITIES
10	QUANTITY TABLES
11 - 13	PLAN VIEW
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16	PROFILE DREDGE LINE
17 - 18	DREDGE DISCHARGE LINE LOCATION
19 - 21	PLAN VIEW PROPOSED DISPOSAL SITES
22 - 26	PROPOSED DISPOSAL SITES PLAN & SECTIONS
27	PROJECT LIMITS
28 - 33	CROSS SECTIONS

**PRELIMINARY**  
 FOR PERMIT  
 PURPOSES ONLY



*Louisiana Department  
 of Transportation  
 and Development*  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

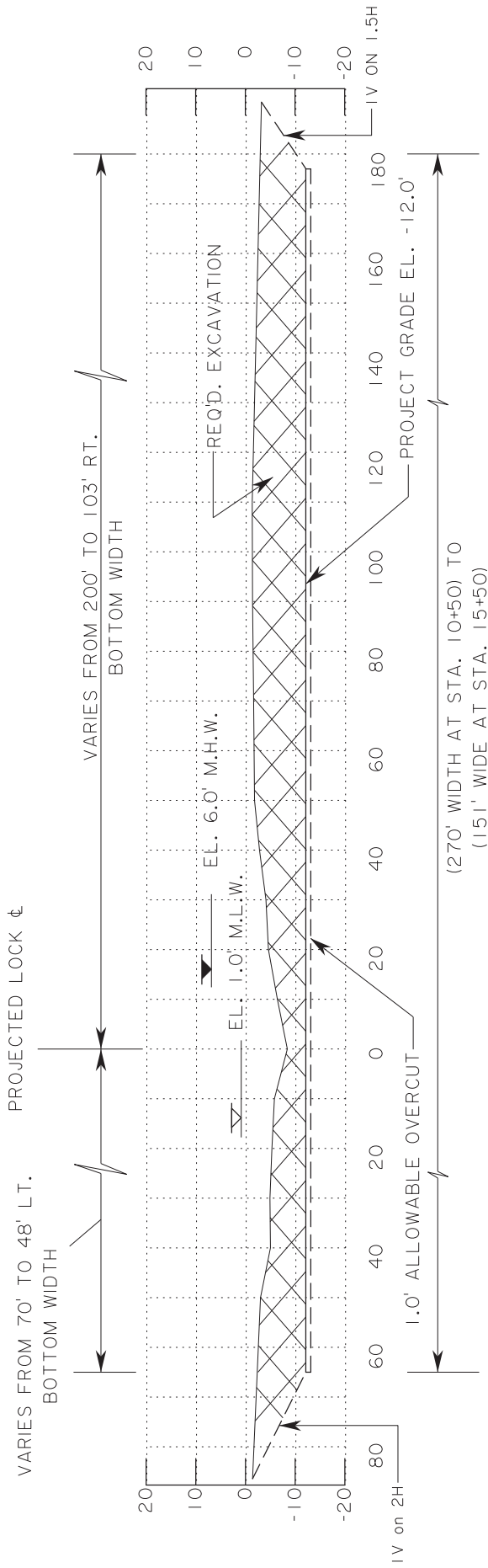
 DIST 02 DESIGN	INDEX TO SHEETS DREDGING OSTRICA LOCKS & CANAL		DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET
			CHECKED	BRR	CONTROL SECTION	570-38	NUMBER
NO. DATE REVISION OR CHANGE ORDER DESCRIPTION BY			DETAILED	CEV	STATE		
			CHECKED	BRR	PROJECT		2
			SERIES	NUMBER			

## GENERAL CONSTRUCTION NOTES

1. THE PROJECT BEGINS NEAR THE MISSISSIPPI RIVER AT STA. 0+50 AND PROCEEDS NORTH THROUGH THE OSTRICA LOCKS TO STA 72+40 NEAR QUARANTINE BAY.
2. THE SCOPE OF THIS PROJECT WILL BE TO PERFORM EMERGENCY DREDGING TO EL. -12.0 FROM STA 0+50 NEAR THE MISSISSIPPI RIVER THROUGH THE OSTRICA LOCK TO STA 72+40 NEAR QUARANTINE BAY.
3. ALL MATERIAL EXCAVATED SHALL BE BY HYDRAULIC DREDGE AND DISPOSED OF IN SPOIL LOCATIONS TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.
4. ELEVATIONS OF EXCAVATION MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL DETERMINED BY THE CONTRACTOR'S SURVEYOR (WORK ITEM NS-MNT-90001).
5. ALL EXCAVATION SHALL BE PAID UNDER ITEM NS-MNT-90000.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT, SURVEY WORK, ESTABLISHING ALL LINES AND GRADES, AND STAKING OUT ALL WORK ON THIS PROJECT, INCLUDING ESTABLISHING SUFFICIENT VERTICAL AND HORIZONTAL CONTROL POINTS IN ACCORDANCE WITH THESE SPECIFICATIONS, PLANS, AND AS DIRECTED BY PROJECT ENGINEER, TO BE PAID FOR UNDER ITEM NS-MNT-90001.
7. THE CONTRACTOR SHALL BE PAID FOR MATERIAL DREDGED WITHIN THE TEMPLATE AND THE 1.0' ALLOWABLE OVERCUT (MATERIAL BETWEEN THE TEMPLATE AND ALLOWABLE OVERCUT HAS BEEN INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES). THE CONTRACTOR SHALL NOT BE PAID FOR ANY MATERIAL DREDGED OUTSIDE OF THE TEMPLATE.
8. THE CONTRACTOR IS REQUIRED TO CONTACT AND COORDINATE WORK WITH ALL UTILITIES LOCATED IN PROJECT AREA. CONTRACTOR SHALL PROVIDE NOTICE TO UTILITY COMPANIES PRIOR TO BEGINNING WORK. ANY DAMAGE DONE TO UTILITIES SHALL BE REPAIRED AT NO COST TO THE DEPARTMENT. UTILITY LOCATIONS ARE APPROXIMATE, CONTRACTOR IS REQUIRED TO CONTACT LOUISIANA ONE CALL TO VERIFY UTILITIES SHOWN ON PLANS. NO DREDGING IS TO BE DONE WITHIN 50' OF UTILITIES.
9. ALL CONSTRUCTION EQUIPMENT, FLOATING PLANT, AND PIPE LINES MUST BE IN COMPLIANCE WITH ALL NAVIGATION RULES AND REGULATIONS. THE CONTRACTOR SHALL DISPLAY SIGNAL LIGHTS, MARKERS, ETC., AND CONDUCT OPERATIONS IN ACCORDANCE WITH THE GENERAL REGULATIONS OF THE DEPARTMENT OF ARMY AND THE COAST GUARD.
10. THE CONTRACTOR IS REQUIRED TO ALLOW MARINE TRAFFIC THROUGH THE CONSTRUCTION SITE DAILY BETWEEN THE FOLLOWING HOURS: 2:00 A.M. - 4:00 A.M., 10:00 A.M. - NOON, AND 6:00 P.M. - 8:00 P.M. ALL CONSTRUCTION EQUIPMENT SHALL BE LOCATED TO ALLOW MARINE TRAFFIC THROUGH OSTRICA CANAL AND OSTRICA LOCKS AND TO ALLOW OPERATION OF THE LOCKS.
11. CONTRACTOR MUST DISCHARGE ALL SPOIL INTO THE DESIGNATED SPOIL AREAS ONLY.

<b>PRELIMINARY</b>  FOR PERMIT PURPOSES ONLY	Louisiana Department of Transportation and Development  ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:
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 DIST 02 DESIGN	CONSTRUCTION NOTES  DREDGING EMPIRE LOCKS & DOULLUT CANAL		REVISION OR CHANGE ORDER DESCRIPTION NO.      DATE      BY																									
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">DESIGNED</td> <td style="width: 10%;">CEV</td> <td style="width: 10%;">PARISH</td> <td style="width: 10%;">PLAQUEMINES</td> <td style="width: 10%;">SHEET NUMBER</td> </tr> <tr> <td>CHECKED</td> <td>BRR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DETAILED</td> <td>CEV</td> <td>CONTROL SECTION</td> <td>502-38</td> <td></td> </tr> <tr> <td>CHECKED</td> <td>BRR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SERIES NUMBER</td> <td></td> <td>STATE PROJECT</td> <td></td> <td>6</td> </tr> </table>	DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET NUMBER	CHECKED	BRR				DETAILED	CEV	CONTROL SECTION	502-38		CHECKED	BRR				SERIES NUMBER		STATE PROJECT		6
DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET NUMBER																								
CHECKED	BRR																											
DETAILED	CEV	CONTROL SECTION	502-38																									
CHECKED	BRR																											
SERIES NUMBER		STATE PROJECT		6																								



### TYPICAL SECTION RIVER FOREBAY

STA. 0+50 (-13' RIVER CONTOUR) TO STA. 5+50 (BEGIN BOAT CHANNEL)  
 (SECTION ORIENTATION LOOKING NORTH)

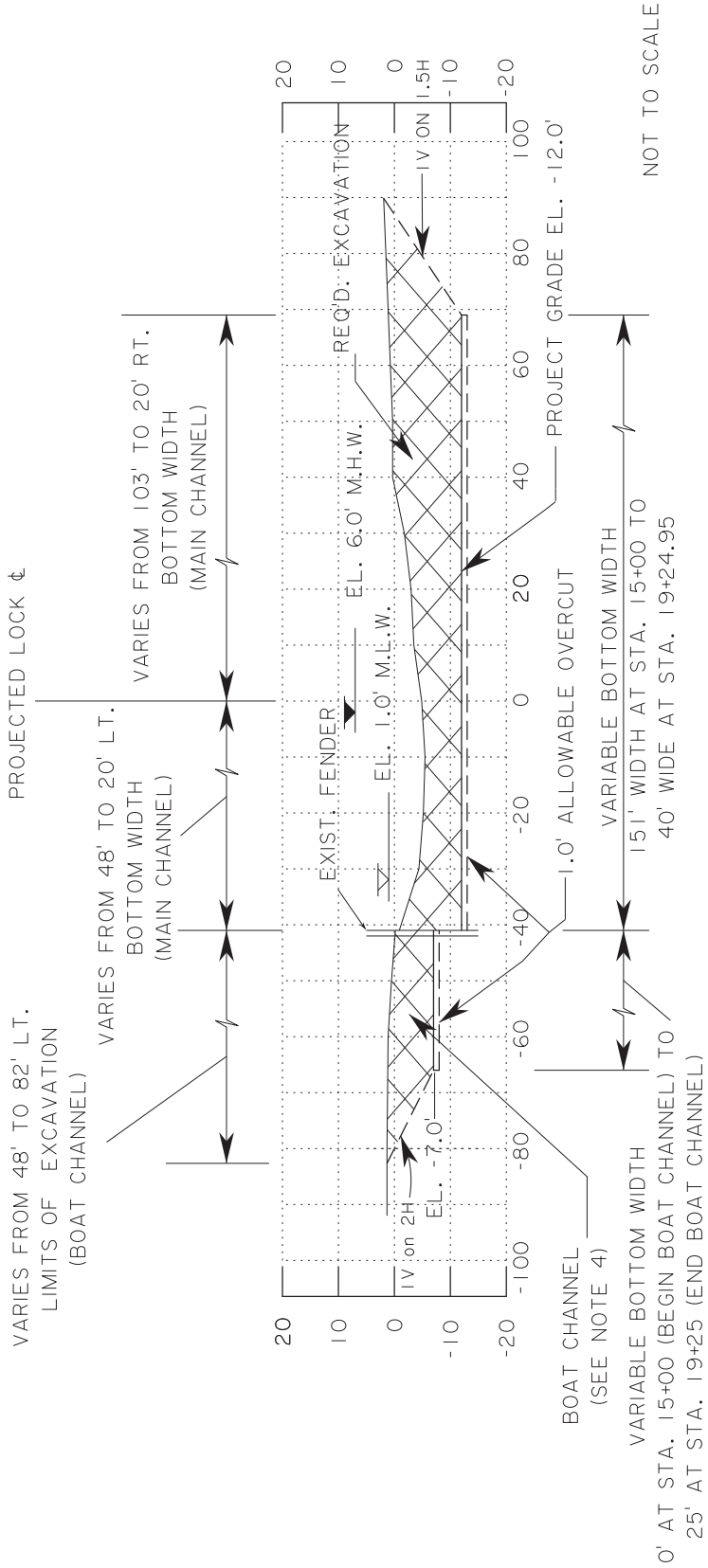
- NOTES:
1. ALL ELEVATIONS ARE NGVD 29
  2. ELEVATIONS OF EXCAVATED MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS/EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (NS-MNT-90001)
  3. THE DREGED MATERIAL TO BE DEPOSITED IN SPOIL DISPOSAL AREAS. EXACT LOCATIONS AND QUANTITY TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.

**PRELIMINARY**  
 FOR PERMIT PURPOSES ONLY

Louisiana Department of Transportation and Development  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

	TYPICAL SECTION DREDGING OSTRICA LOCKS & CANAL		DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET NUMBER
			CHECKED	BRR			4
			DETAILED	CEV	CONTROL SECTION	570-38	
			CHECKED	BRR	STATE PROJECT		
			SERIES NUMBER				
			NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	





### TYPICAL SECTION RIVER FOREBAY & BOAT CHANNEL

STA. 5+50 (BEGIN BOAT CHANNEL) TO STA. 9+74.95 (BEGIN LOCK)

(SECTION ORIENTATION LOOKING NORTH)

TYPICAL SECTION TAKEN AT STA. 26+75 (OLD STA. 17+25)

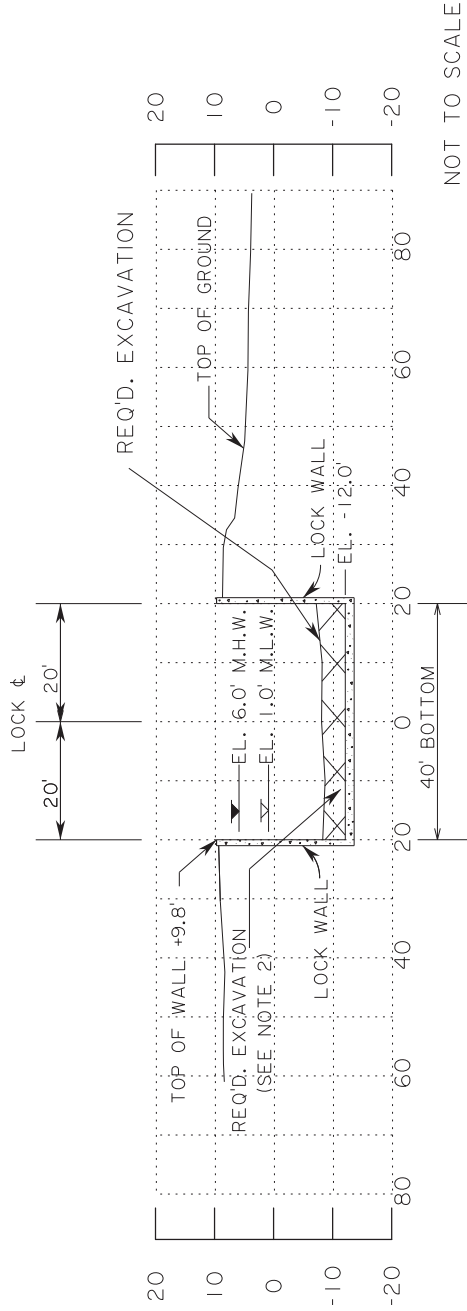


LIMITS OF EXCAVATION

- NOTES:
1. ALL ELEVATIONS ARE NGVD 29
  2. ELEVATIONS OF EXCAVATED MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS/EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (NS-MNT-90001)
  3. THE DREDGED MATERIAL TO BE DEPOSITED IN SPOIL DISPOSAL AREAS. EXACT LOCATIONS AND QUANTITY TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.
  4. BOAT CHANNEL EXTENDS FROM STA. 15+00 TO STA. 19+25.

<b>PRELIMINARY</b>	<i>Louisiana Department of Transportation and Development</i>
	FOR PERMIT PURPOSES ONLY
ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:	

<b>DOTD</b> DIST 02 DESIGN	TYPICAL SECTION		DREDGING OSTRICA LOCKS & CANAL		NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION	DESIGNED CHECKED	CEV BRR	PARISH	PLAQUEMINES	SHEET NUMBER
	TYPICAL SECTION		DREDGING OSTRICA LOCKS & CANAL		NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION	DESIGNED CHECKED	CEV BRR	PARISH	PLAQUEMINES	SHEET NUMBER
										CONTROL SECTION	570-38	5	
										STATE PROJECT	570-38	5	



NOT TO SCALE

### TYPICAL SECTION OSTRICA LOCK CHAMBER

STA. 9+74.95 (BEGIN LOCK CHAMBER) TO STA. 13+52 (END LOCK CHAMBER)  
 (SECTION ORIENTATION LOOKING NORTH)

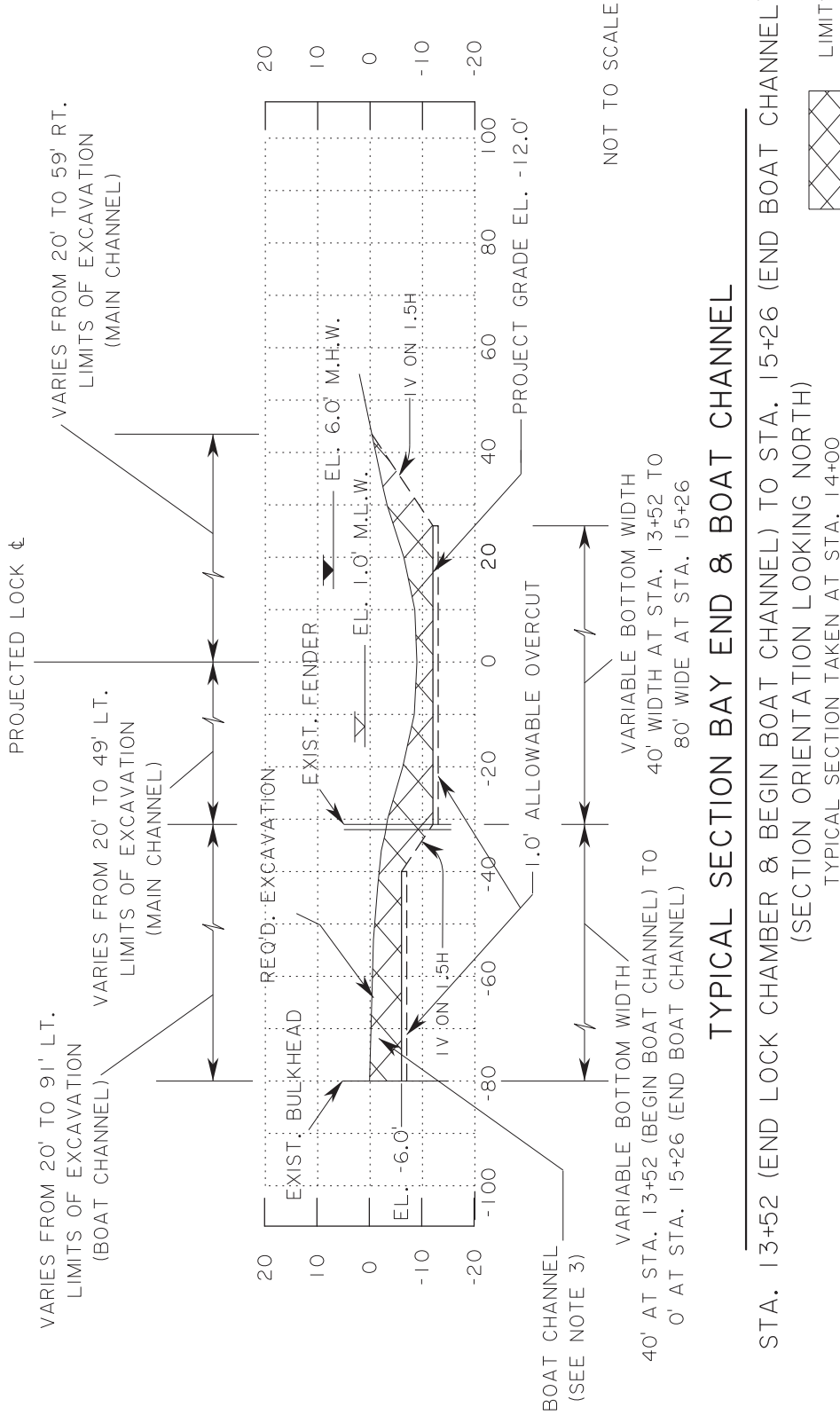
TYPICAL SECTION TAKEN AT OLD STA. 11+64

LIMITS OF EXCAVATION

- NOTES: 1. ALL ELEVATIONS ARE NGVD 29
- 2. ELEVATIONS SHOWN ON PLANS ARE DETERMINED FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS AND QUANTITIES WILL BE DETERMINED BY SURVEY WORK PROVIDED UNDER ITEM NS-MNT-90001 UPON CONFIRMATION AND APPROVAL OF DOTD.
- 3. THE DREDGED MATERIAL TO BE DEPOSITED IN SPOIL DISPOSAL AREAS. EXACT LOCATIONS AND QUANTITY TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.

<b>PRELIMINARY</b>  FOR PERMIT PURPOSES ONLY	Louisiana Department of Transportation and Development
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:

 DIST 02 DESIGN	TYPICAL SECTION		NO. _____ DATE _____ BY _____	REVISION OR CHANGE ORDER DESCRIPTION	DESIGNED CHECKED CEV BRR	CEV BRR	PARISH PLAQUEMINES	CONTROL SECTION 570-38	STATE PROJECT	SHEET NUMBER 0
	DREDGING OSTRICA LOCKS & CANAL									



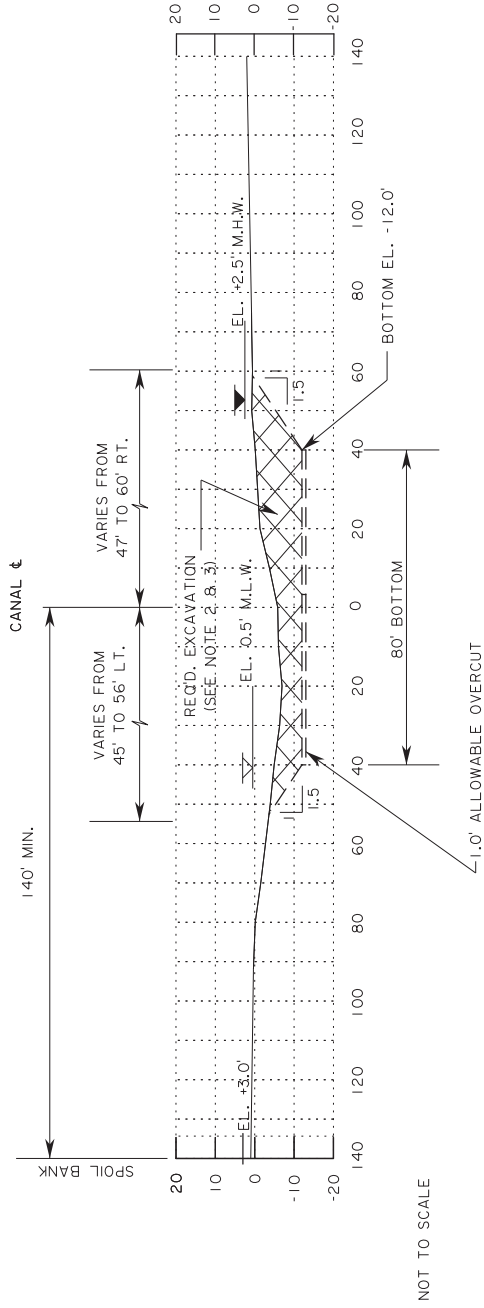
**TYPICAL SECTION BAY END & BOAT CHANNEL**

STA. 13+52 (END LOCK CHAMBER & BEGIN BOAT CHANNEL) TO STA. 15+26 (END BOAT CHANNEL)  
 (SECTION ORIENTATION LOOKING NORTH)  
 TYPICAL SECTION TAKEN AT STA. 14+00

- NOTES: 1. ALL ELEVATIONS ARE NGVD 29  
 2. ELEVATIONS OF EXCAVATED MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS/EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (NS-MNT-90001)  
 3. THE DREDGED MATERIAL TO BE DEPOSITED IN SPOIL DISPOSAL AREAS. EXACT LOCATIONS AND QUANTITY TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.

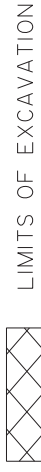
<b>PRELIMINARY</b>  FOR PERMIT PURPOSES ONLY	<i>Louisiana Department of Transportation and Development</i>
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:

DOTD DIST 02 DESIGN	TYPICAL SECTION		DREDGING OSTRICA LOCKS & CANAL		PLAQUEMINES		SHEET NUMBER
	NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	DESIGNED CEV	CHECKED BRR	PARISH
					DETAILED CEV	CHECKED BRR	CONTROL SECTION
					SERIES NUMBER		STATE PROJECT
							570-38
							7



## TYPICAL SECTION OSTRICA CANAL



STA. 15+26 (END BOAT CHANNEL) TO STA. 72+40 (END OF WORK)  
 (SECTION ORIENTATION LOOKING NORTH)



LIMITS OF EXCAVATION

- NOTES: 1. ALL ELEVATIONS ARE NGVD 29  
 2. ELEVATIONS SHOWN ON PLANS ARE DETERMINED FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS AND QUANTITIES WILL BE DETERMINED BY SURVEY WORK PROVIDED UNDER ITEM NS-MNT-90001 UPON CONFIRMATION AND APPROVAL OF DOTD.  
 3. THE DREDGED MATERIAL TO BE DEPOSITED IN SPOIL DISPOSAL AREAS. EXACT LOCATIONS AND QUANTITY TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.

<b>PRELIMINARY</b>  <b>FOR PERMIT PURPOSES ONLY</b>	<i>Louisiana Department of Transportation and Development</i>
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:

 DIST 02 DESIGN	TYPICAL SECTION DREDGING OSTRICA LOCKS & CANAL		DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET NUMBER
			CHECKED	BRR			
			DETAILED	CEV	CONTROL SECTION	570-38	
			CHECKED	BRR	STATE PROJECT		00
			SERIES NUMBER				
			NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	



## SUMMARY OF ESTIMATED QUANTITIES



ITEM NO.	ITEM	UNIT	QUANTITIES
727-01-00100	MOBILIZATION	LUMP SUM	LUMP
NS-MNT-11901	DIKE CONSTRUCTION	LIN.FT.	7500
NS-MNT-90000	EXCAVATION	CU YD	175,000
NS-MNT-90001	SURVEY WORK	LUMP SUM	LUMP

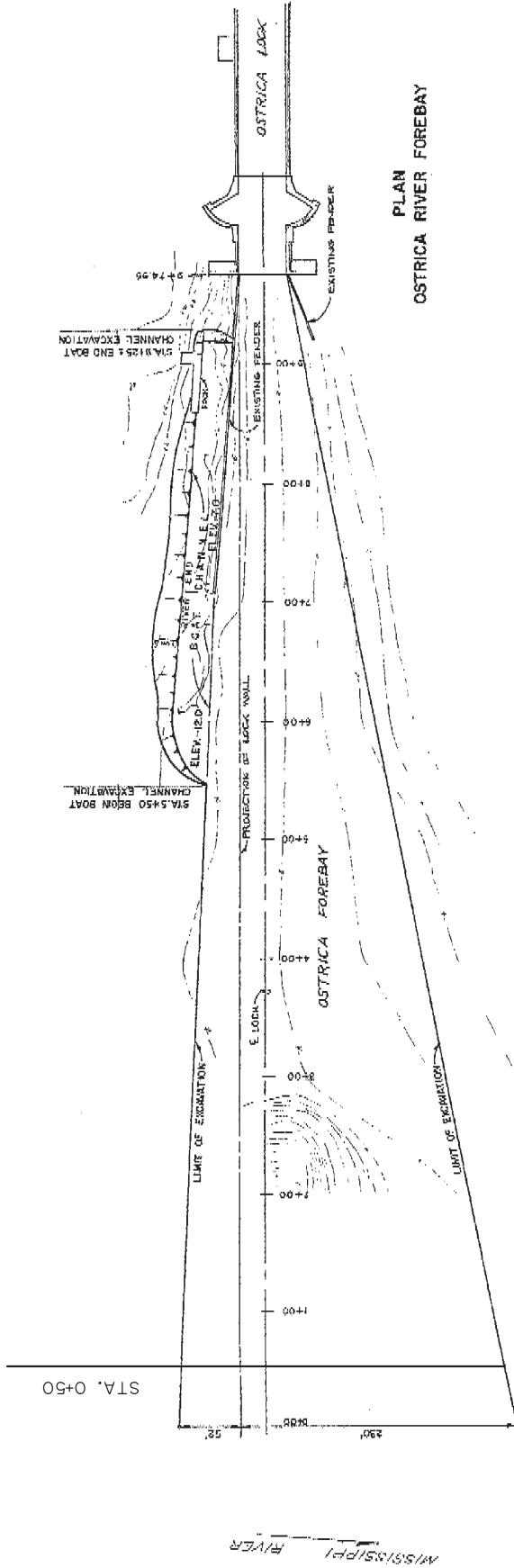
\* QUANTITY INCLUDES 1 FOOT OVERCUT.

\*\* EXCAVATION QUANTITY FOR INFORMATIONAL AND BIDDING PURPOSES ONLY ..

\*\*\* EXACT EXCAVATION QUANTITY TO BE DETERMINED BY SURVEY WORK (NS-MNT-90001).

<p><b>PRELIMINARY</b></p> <p>FOR PERMIT PURPOSES ONLY</p>	<p>Louisiana Department of Transportation and Development</p> <p>ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:</p>
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 DIST 02 DESIGN	SUMMARY OF ESTIMATED QUANTITIES DREDGING OSTRICA LOCKS & CANAL		DESIGNED <input type="checkbox"/> CEV <input type="checkbox"/> BRR	CHECKED <input type="checkbox"/> CEV <input type="checkbox"/> BRR	PARISH CONTROL SECTION	PLAQUEMINES 570-38	SHEET NUMBER 0	
REVISION OR CHANGE ORDER DESCRIPTION BY			SERIES NUMBER	STATE PROJECT				0

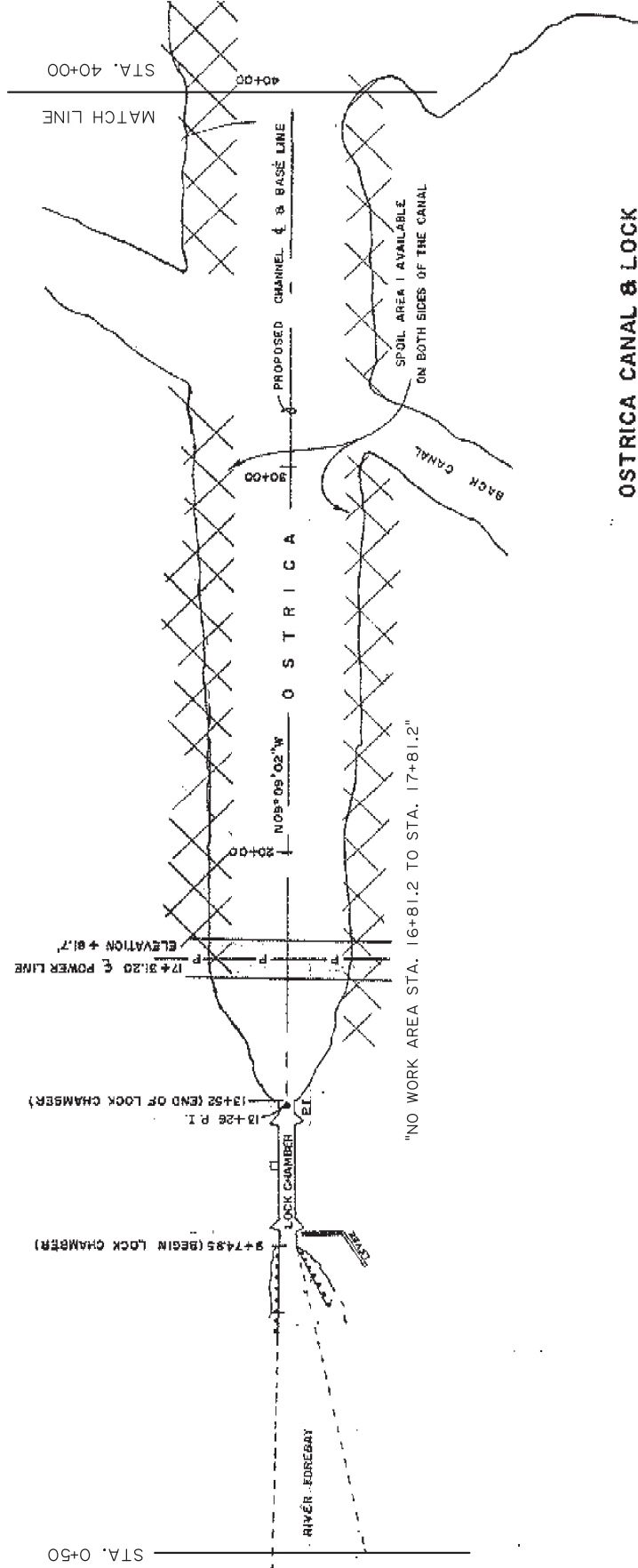


**PRELIMINARY**  
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Louisiana Department of Transportation and Development  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
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NOT TO SCALE  
 FOR INFORMATIONAL PURPOSES ONLY

DESIGNED		CEV	PARISH	PLAQUEMINES	SHEET NUMBER
CHECKED	BRR		CONTROL SECTION	570-38	11
DETAILED		CEV	STATE		
CHECKED	BRR		PROJECT		
SERIES NUMBER					
NO.		DATE	REVISION OR CHANGE ORDER DESCRIPTION		
			BY		
		PLAN VIEW		DREDGING OSTRICA LOCKS & CANAL	
				DIST 02 DESIGN	



**OSTRICA CANAL & LOCK  
PLAN**


**BENCH MARK REFERENCE:**

USGS BENCH MARK STAMPED "OSTRICA"  
BRONZE DISK SET IN THE TOP OF THE  
CONCRETE WALL OF THE LOCK CHAMBER  
LOCATED AT OSTRICA, LA ON THE UPRIVER  
BAY SIDE OF THE LOCK, 3.54' WEST OF THE  
WEST EDGE OF THE LOCK WALL AT STA. 13+18.87,  
ELEVATION 4.92'

NOT TO SCALE

FOR INFORMATIONAL PURPOSES ONLY

PRELIMINARY  FOR PERMIT PURPOSES ONLY	Louisiana Department of Transportation and Development
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:

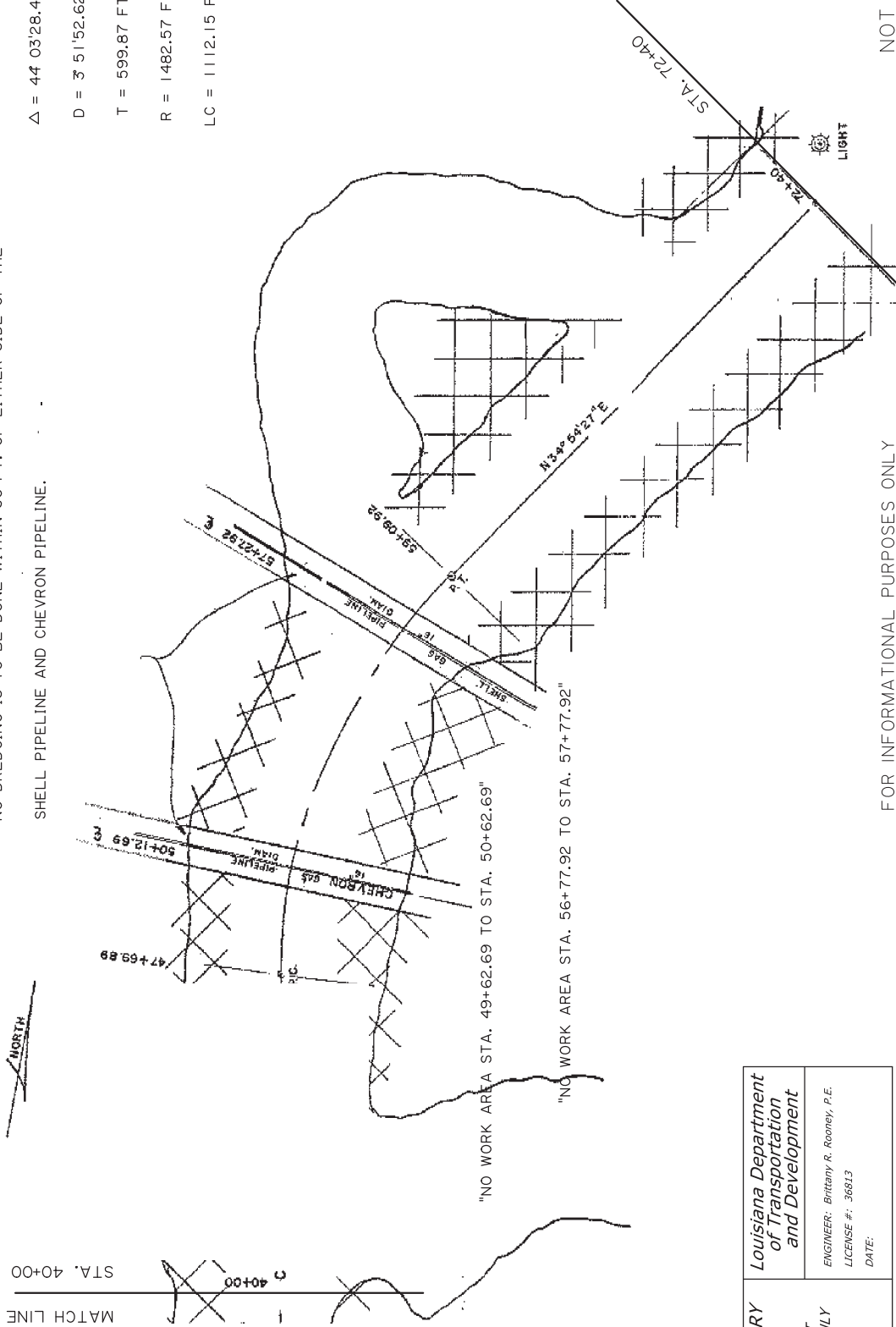
DESIGNED: CEV		PARISH	PLAQUEMINES	SHEET NUMBER	12
CHECKED: BRR		CONTROL SECTION	570-38		
DETAILED: CEV		STATE PROJECT			
CHECKED: BRR		SERIES NUMBER			
NO. DATE			REVISION OR CHANGE ORDER DESCRIPTION		
BY					
		PLAN VIEW			
DIST 02 DESIGN		DREDGING OSTRICA LOCKS & CANAL			



CURVE DATA

NOTE: NO SPOIL TO BE PLACED WITHIN 50 FT. ON EITHER SIDE OF GAS PIPELINES.  
 NO DREDGING IS TO BE DONE WITHIN 50 FT. OF EITHER SIDE OF THE SHELL PIPELINE AND CHEVRON PIPELINE.

PI = 53+69.35  
 $\Delta = 44^{\circ} 03'28.4''$   
 D = 3' 51'52.62"  
 T = 599.87 FT.  
 R = 1482.57 FT.  
 LC = 1112.15 FT.



NOT TO SCALE

FOR INFORMATIONAL PURPOSES ONLY

<b>PRELIMINARY</b>  FOR PERMIT PURPOSES ONLY	Louisiana Department of Transportation and Development
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36613
	DATE:



PLAN VIEW

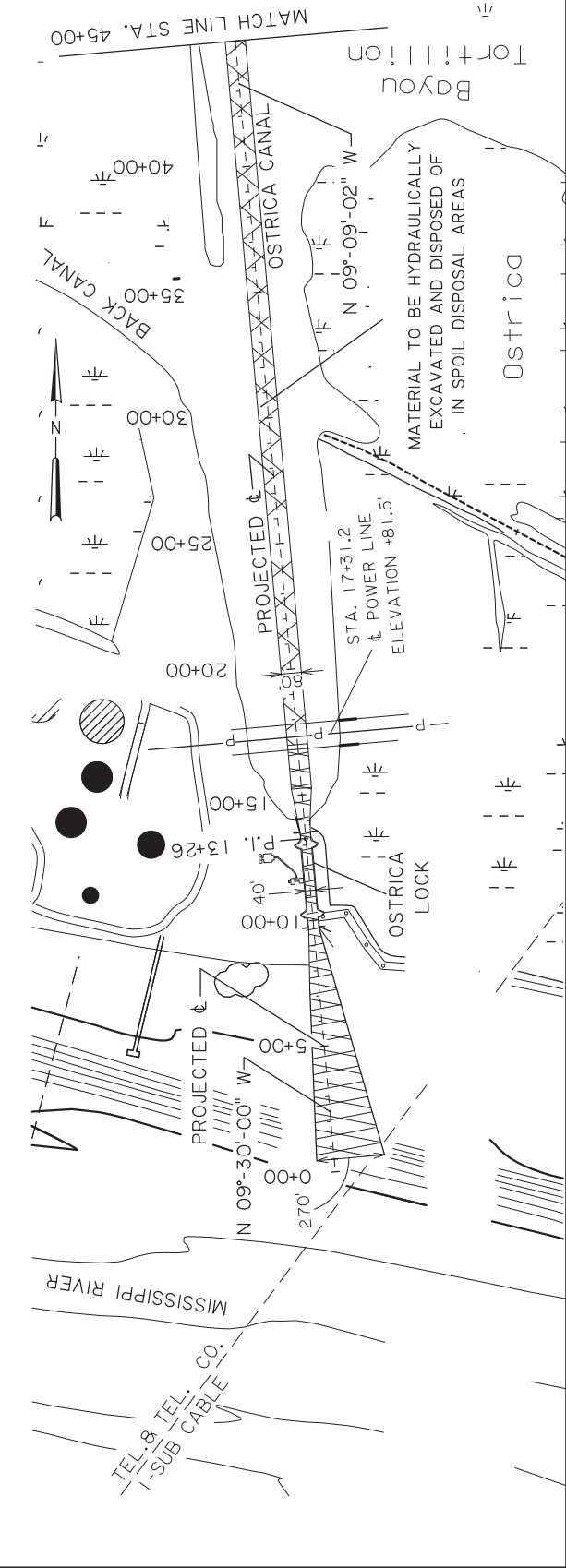
DREDGING OSTRICA LOCKS & CANAL



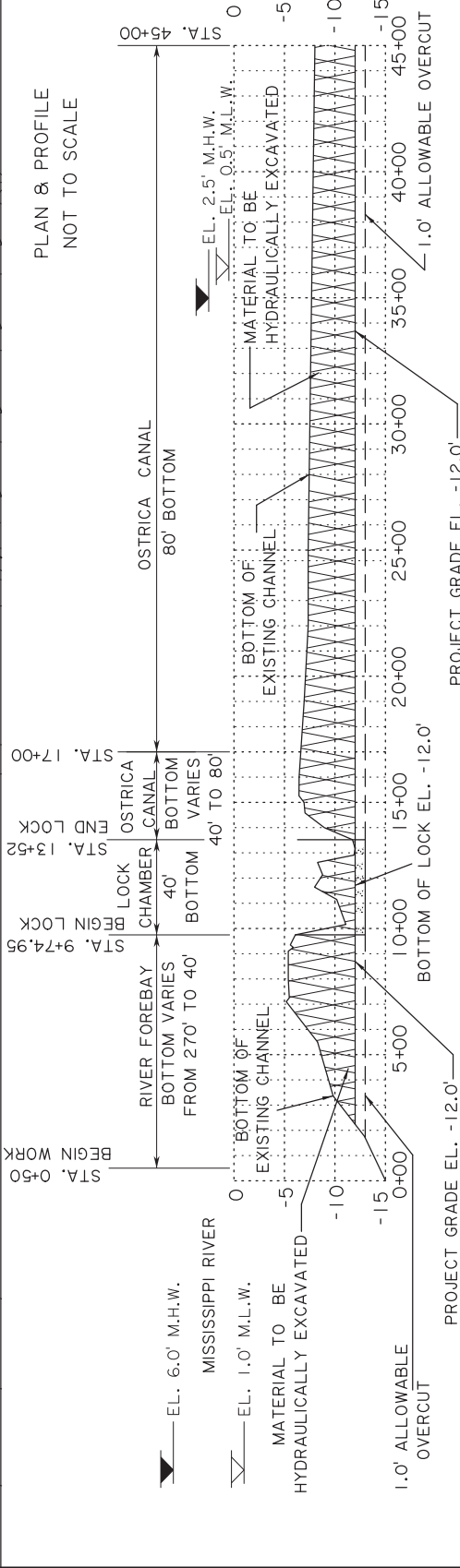
DESIGNED	CEV	DESIGNED	CEV
CHECKED	BRR	CHECKED	BRR
DETAILED	CEV	DETAILED	CEV
CHECKED	BRR	CHECKED	BRR
SERIES	NO.	REVISION OR CHANGE	ORDER DESCRIPTION
NUMBER	BY		

PARISH	PLAQUEMINES
CONTROL SECTION	570-38
STATE PROJECT	
SHEET NUMBER	13



PRELIMINARY  
 FOR PERMIT PURPOSES ONLY  
 Louisiana Department of Transportation and Development  
 ENGINEER: Britany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

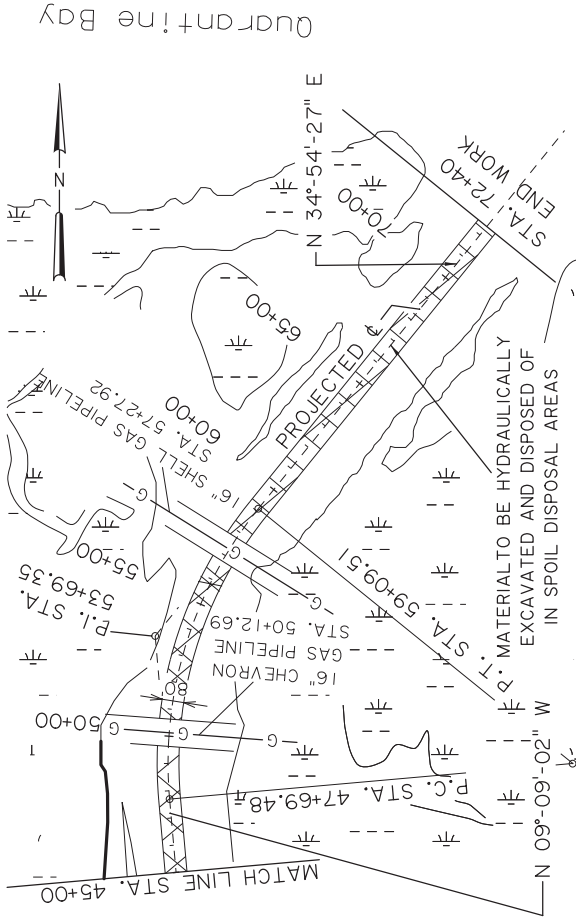


PLAN & PROFILE  
 NOT TO SCALE

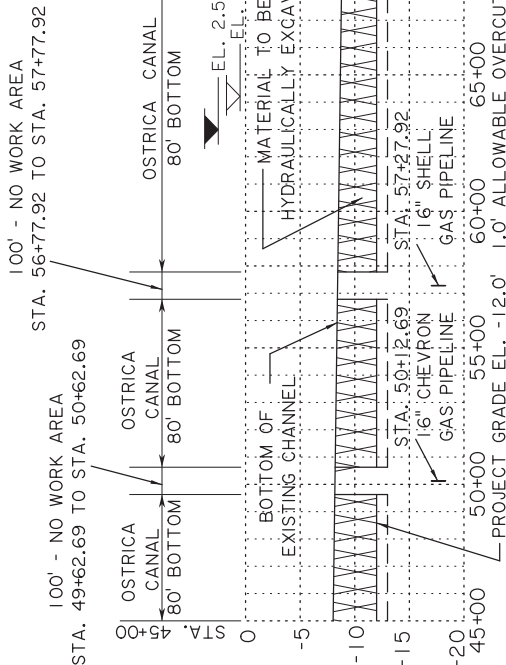


\*ELEVATIONS AND PROFILE ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (ITEM NS-MNT-90001).

		PLAN AND PROFILE DREDGING OSTRICA LOCKS & CANAL				DESIGNED CEV CHECKED BRR	PARISH PLAQUEMINES	DETAILED CEV CHECKED BRR	CONTROL SECTION 570-38	SHEET NUMBER 14
REVISION OR CHANGE ORDER DESCRIPTION NO. DATE BY						SERIES NUMBER	STATE PROJECT	DIST 02 DESIGN		



PROJECTED & ADOPTED ALIGNMENT	
P.I. STA.	53+69.35
DELTA	= 44°-03'28.4" RT.
D	= 3'-5'1.52.6"
T	= 599.87'
R	= 1,140.03'
Lc	= 1,112.15' N 12°-52'-42.5" E
P.C. STA.	47+69.48
P.T. STA.	59+09.51
BACK TANGENT	N 09°-09'-02" W
FORWARD TANGENT	N 34°-54'-27" E



PLAN & PROFILE  
NOT TO SCALE

<b>PRELIMINARY</b>	<i>Louisiana Department of Transportation and Development</i>
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:
<b>FOR PERMIT PURPOSES ONLY</b>	

\*ELEVATIONS AND PROFILE ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK ( ITEM NS-MNT-90001 ).

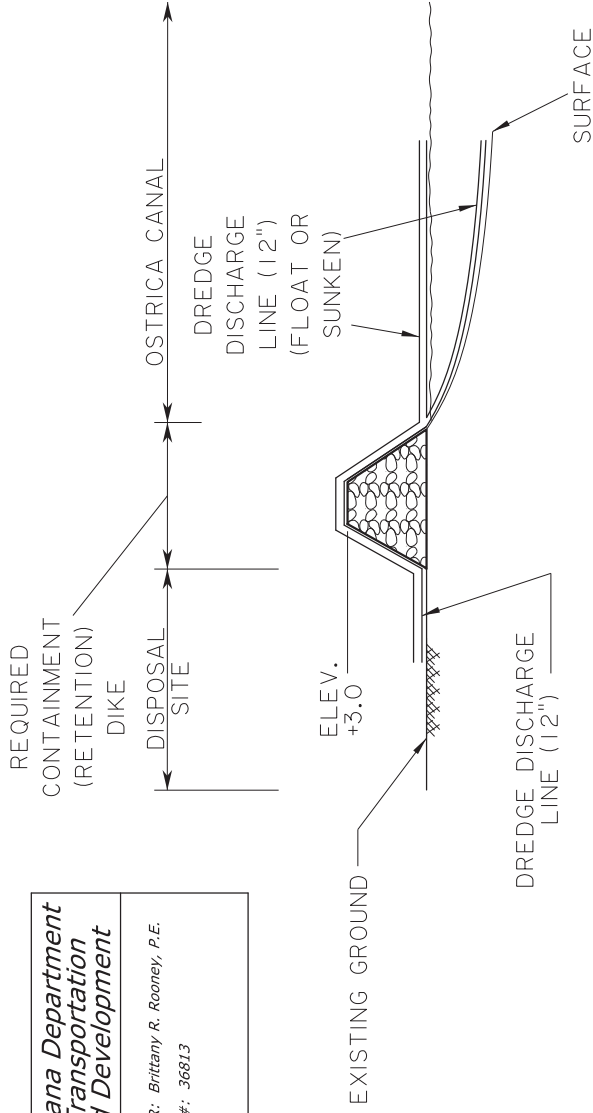


DESIGNED CHECKED	CEV BRR	PARISH	PLAQUEMINES	SHEET NUMBER	15
DETAILED CHECKED	CEV BRR	CONTROL SECTION	570-38		
SERIES NUMBER		STATE PROJECT			
NO. DATE REVISION OR CHANGE ORDER DESCRIPTION BY					

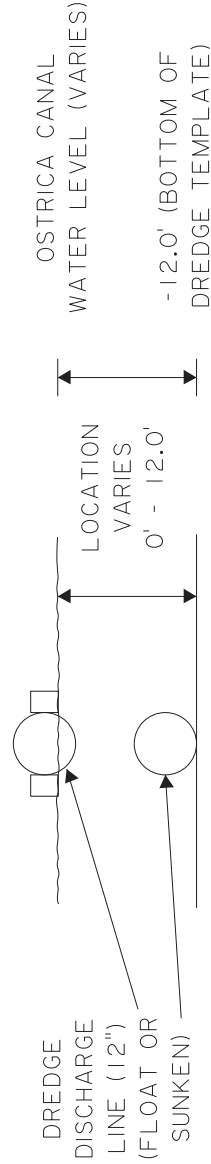
PLAN & PROFILE

DREDGING OSTRICA LOCKS & CANAL

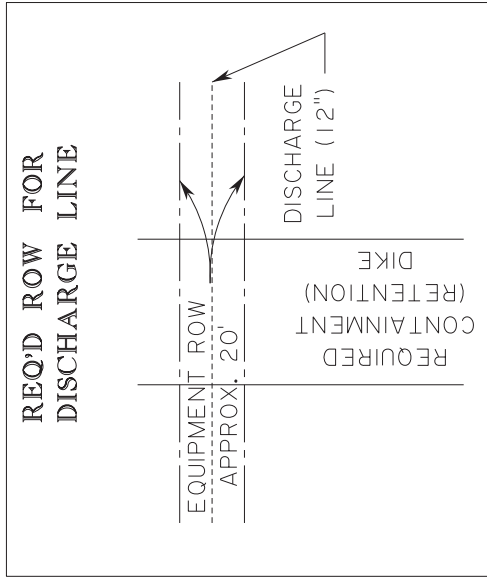
<p><b>PRELIMINARY</b></p> <p><b>FOR PERMIT PURPOSES ONLY</b></p>	<p><b>Louisiana Department of Transportation and Development</b></p>
	<p>ENGINEER: <i>Brittany R. Rooney, P.E.</i></p> <p>LICENSE #: 36813</p> <p>DATE:</p>



**PROFILE OF DREDGE LINE**



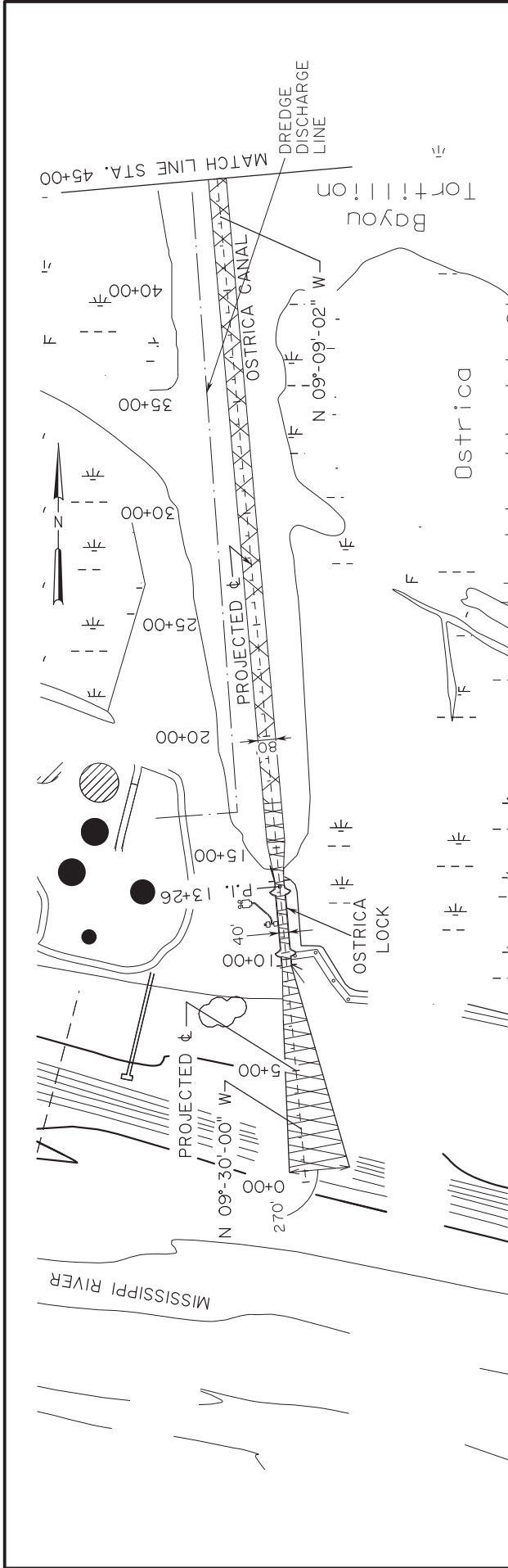
TYPICAL SECTION



**REQ'D ROW FOR DISCHARGE LINE**

FOR INFORMATIONAL PURPOSES ONLY

<p>DIST 02 DESIGN</p>	<p>PROFILE OF DREDGE LINE</p>		DESIGNED	PARISH	PLAQUEMINES	SHEET NUMBER
	<p>DREDGING OSTRICA LOCKS &amp; OSTRICA CANAL</p>	<p>NO.</p> <p>DATE</p> <p>REVISION OR CHANGE ORDER DESCRIPTION</p> <p>BY</p>	<p>CHECKED</p> <p>CONTROL SECTION</p> <p>502-38</p>	<p>CHECKED</p> <p>STATE PROJECT</p>	<p>16</p>	



## DREDGE DISCHARGE LINE LOCATION



- NOTES:
1. CONTRACTOR SHALL HAVE THE OPTION OF FLOATING OR SINKING DISCHARGE LINE IN OSTRICA CANAL. DISCHARGE LINE SHOWN FOR INFORMATION PURPOSES ONLY. EXACT LOCATION OF DISCHARGE LINE TO VARY AND TO BE PLACED AT LOCATIONS TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.
  2. ALL CONSTRUCTION EQUIPMENT, FLOATING PLANT, AND PIPE LINES MUST BE IN COMPLIANCE WITH ALL NAVIGATION RULES AND REGULATIONS. THE CONTRACTOR SHALL DISPLAY SIGNAL LIGHTS, MARKERS, ETC., AND CONDUCT OPERATIONS IN ACCORDANCE WITH THE GENERAL REGULATIONS OF THE DEPARTMENT OF ARMY AND THE COAST GUARD.
  3. THE CONTRACTOR IS REQUIRED TO ALLOW MARINE TRAFFIC THROUGH THE CONSTRUCTION SITE DAILY BETWEEN THE FOLLOWING HOURS: 2:00 A.M. - 4:00 A.M., 10:00 A.M. - NOON, AND 6:00 P.M. - 8:00 P.M. ALL CONSTRUCTION EQUIPMENT SHALL BE LOCATED TO ALLOW MARINE TRAFFIC THROUGH OSTRICA CANAL AND LOCKS AND TO ALLOW OPERATION OF THE LOCKS.

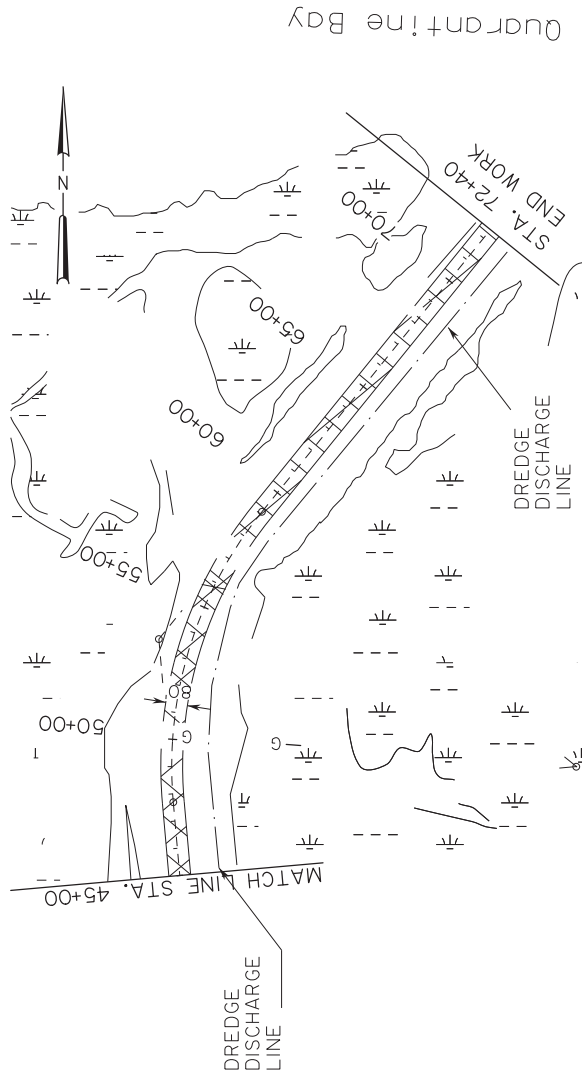
DREDGE DISCHARGE LINE  
REQ'D. EXCAVATION



<b>PRELIMINARY</b>	<i>Louisiana Department of Transportation and Development</i>
	ENGINEER: Britiany R. Rooney, P.E. LICENSE #: 36813 DATE:
<b>FOR PERMIT PURPOSES ONLY</b>	

FOR INFORMATIONAL PURPOSES ONLY

 DIST 02 DESIGN	DREDGE DISCHARGE LINE LOCATION		DREDGING OSTRICA LOCKS & CANAL			DESIGNED	CEV	PLAQUEMINES	SHEET NUMBER	17
						CHECKED	BRR	PARISH		
				DETAILED	CEV	CHECKED	BRR	CONTROL SECTION	570-38	
				SERIES NUMBER				STATE PROJECT		
				NO.		DATE				
				REVISION OR CHANGE ORDER DESCRIPTION						
				BY						



## DREDGE DISCHARGE LINE LOCATION

- NOTES:
1. CONTRACTOR SHALL HAVE THE OPTION OF FLOATING OR SINKING DISCHARGE LINE IN OSTRICA CANAL. DISCHARGE LINE SHOWN FOR INFORMATION PURPOSES ONLY. EXACT LOCATION OF DISCHARGE LINE TO VARY AND TO BE PLACED AT LOCATIONS TO BE DETERMINED AND AS DIRECTED BY PROJECT ENGINEER.
  2. ALL CONSTRUCTION EQUIPMENT, FLOATING PLANT, AND PIPE LINES MUST BE IN COMPLIANCE WITH ALL NAVIGATION RULES AND REGULATIONS. THE CONTRACTOR SHALL DISPLAY SIGNAL LIGHTS, MARKERS, ETC., AND CONDUCT OPERATIONS IN ACCORDANCE WITH THE GENERAL REGULATIONS OF THE DEPARTMENT OF ARMY AND THE COAST GUARD.
  3. THE CONTRACTOR IS REQUIRED TO ALLOW MARINE TRAFFIC THROUGH THE CONSTRUCTION SITE DAILY BETWEEN THE FOLLOWING HOURS: 2:00 A.M. - 4:00 A.M., 10:00 A.M. - NOON, AND 6:00 P.M. - 8:00 P.M. ALL CONSTRUCTION EQUIPMENT SHALL BE LOCATED TO ALLOW MARINE TRAFFIC THROUGH OSTRICA CANAL AND LOCKS AND TO ALLOW OPERATION OF THE LOCKS.

DREDGE DISCHARGE LINE  
 REQ'D. EXCAVATION



DREDGE DISCHARGE  
LINE LOCATION

DREDGING OSTRICA LOCKS & CANAL



DESIGNED CHECKED	CEV BRR
DETAILED CHECKED	CEV BRR
SERIES NUMBER	BY
NO.	DATE
REVISION OR CHANGE ORDER DESCRIPTION	

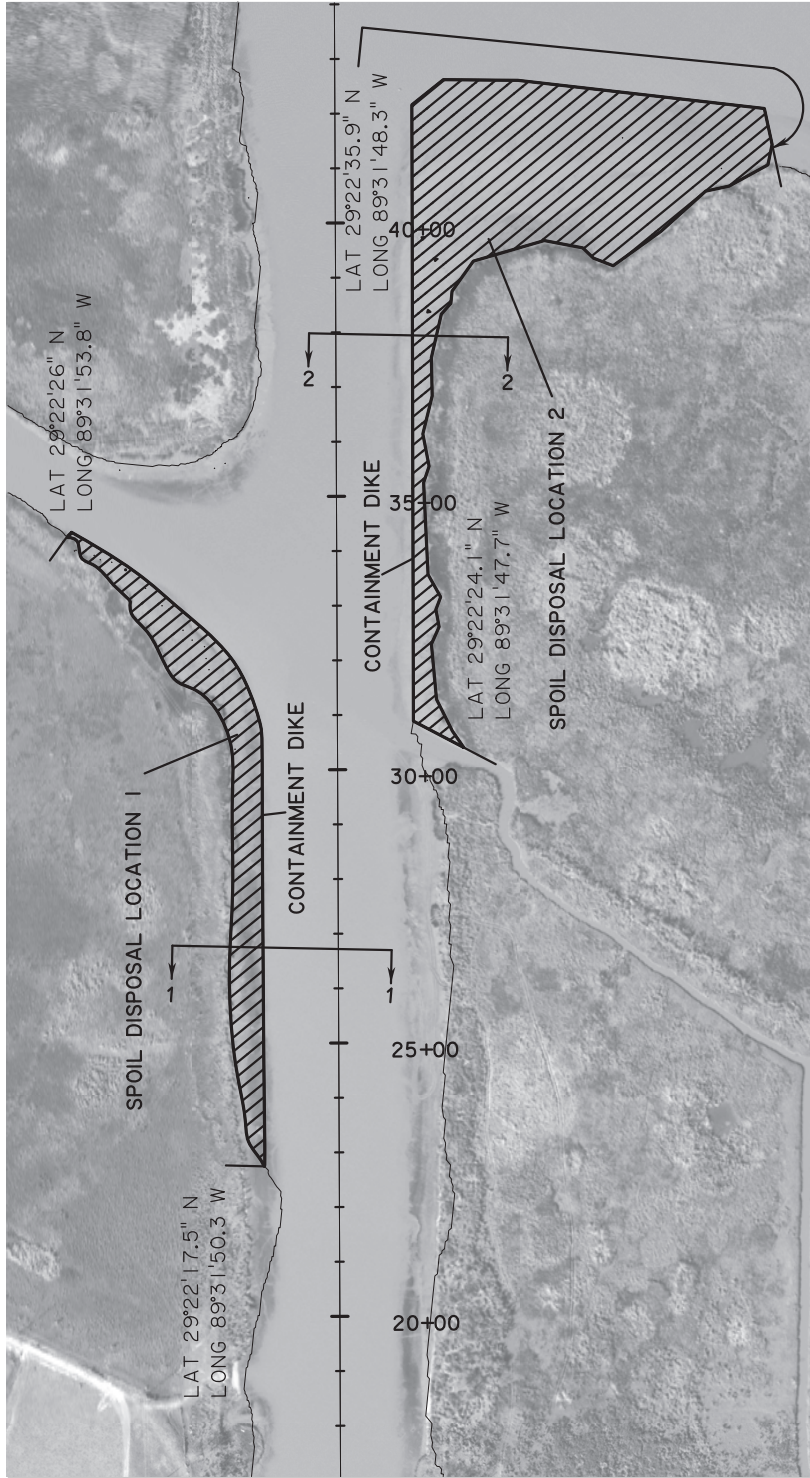
PARISH	PLAQUEMINES	CONTROL SECTION	570-38	STATE PROJECT	SHEET NUMBER	18
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**PRELIMINARY**  
FOR PERMIT PURPOSES ONLY

*Louisiana Department of Transportation and Development*

ENGINEER: Brittany R. Rooney, P.E.  
LICENSE #: 36613  
DATE:

FOR INFORMATIONAL PURPOSES ONLY



NTS

**BENEFICIAL USE SPOIL DISPOSAL AREAS**



	AREA 1	AREA 2
AREA SQ. FT.	71,830.20	205,808.00
AREA ACRES	1.65	4.72
CU. YD.	7,235.16	18,764.85

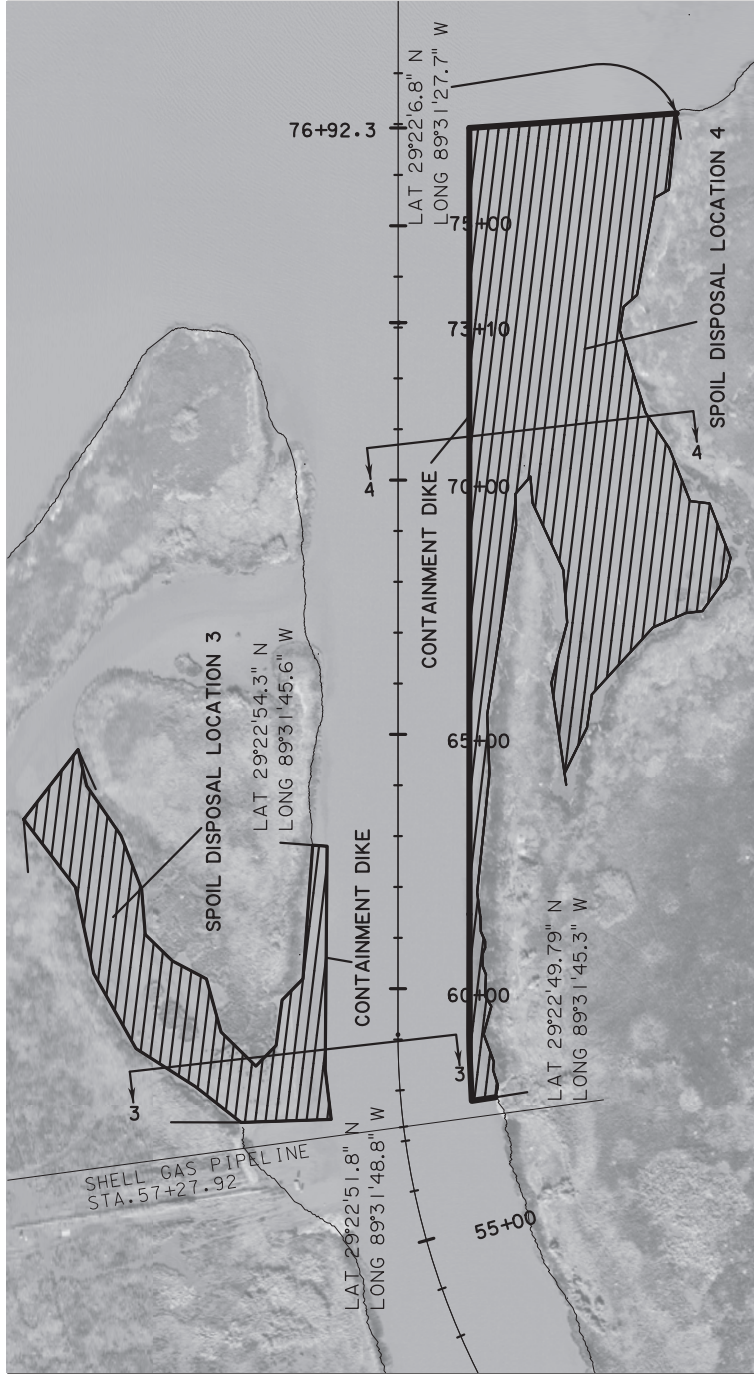
- NOTE:
1. AREA SHOWN IS APPROXIMATE.
  2. EXACT LOCATION OF SPOIL AND DREDGE DISCHARGE LINE TO BE DETERMINED BY PROJECT ENGINEER.

**PRELIMINARY**  
**FOR PERMIT PURPOSES ONLY**

Louisiana Department of Transportation and Development  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

FOR INFORMATIONAL PURPOSES ONLY

 DIST 02 DESIGN	SPOIL DISPOSAL LOCATIONS 1 & 2				DESIGNED CHECKED CEV BRR	CEV BRR	PARISH PLAQUEMINES	SHEET NUMBER 19
	DREDGING OSTRICA LOCKS & CANAL		NO. _____ DATE _____ REVISION OR CHANGE ORDER DESCRIPTION _____ BY _____	DETAILED CHECKED CEV BRR	CEV BRR	CONTROL SECTION 570-38	STATE PROJECT	SERIES NUMBER



NTS

**BENEFICIAL USE SPOIL DISPOSAL AREAS**

	AREA 3	AREA 4
AREA SQ. FT.	141,920.00	429,785.00
AREA ACRES	3.26	9.87
CU. YD.	13,245.87	39,517.13

PRELIMINARY  
FOR PERMIT  
PURPOSES ONLY

Louisiana Department  
of Transportation  
and Development

ENGINEER: Brittany R. Rooney, P.E.  
LICENSE #: 36813  
DATE:

- NOTE: 1. AREA SHOWN IS APPROXIMATE.  
2. EXACT LOCATION OF SPOIL AND DREDGE DISCHARGE LINE TO BE DETERMINED BY PROJECT ENGINEER.

FOR INFORMATIONAL PURPOSES ONLY

DOTD DIST 02 DESIGN		SPOIL DISPOSAL LOCATIONS 3 & 4		DREDGING OSTRICA LOCKS & CANAL				DESIGNED CHECKED CEV BRR		PARISH PLAQUEMINES		SHEET NUMBER 20	
								DETAILED CHECKED CEV BRR		CONTROL SECTION 570-38			
								REVISION OR CHANGE ORDER DESCRIPTION NO. DATE		STATE PROJECT			
								SERIES NUMBER					
								BY					







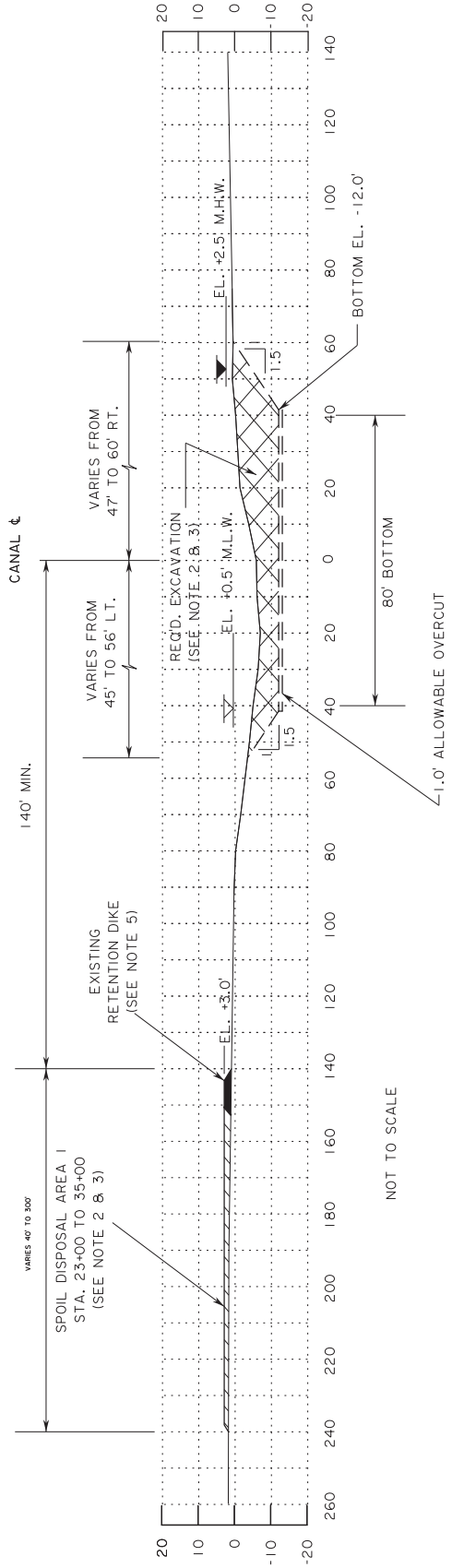
**BENEFICIAL USE SPOIL DISPOSAL AREA**

AREA SQ. FT.	CHEVRON/PPE LINE (CPL) AREA
AREA ACRES	
CU. YD.	

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 Louisiana Department of Transportation and Development  
 ENGINEER: Brittany A. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

- NOTE: 1. AREA SHOWN IS APPROXIMATE.  
 2. EXACT LOCATION OF SPOIL AND DREDGE DISCHARGE LINE TO BE DETERMINED BY PROJECT ENGINEER.

 DIST 02 DESIGN	SPOIL DISPOSAL AREA CPL SITE			DESIGNED	CEV	PLAQUEMINES 570-38	SHEET NUMBER	21
	DREDGING OSTRICA LOCKS & CANAL			CHECKED	BRR		PARISH	CONTROL SECTION
REVISION OR CHANGE ORDER DESCRIPTION		NO.	DATE	BY	CEV	BRR	CEV	BRR
					CHECKED	CHEV	CHEV	BRR
					SERIES NUMBER			

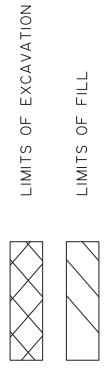


NOT TO SCALE

### TYPICAL SECTION I OSTRICA CANAL

STA. 23+00 TO STA. 35+00  
(SECTION ORIENTATION LOOKING NORTH)

- NOTES: 1) ALL ELEVATIONS ARE NGVD 29.  
 2) EXCAVATED MATERIAL TO BE DEPOSITED IN DESIGNATED BENEFICIAL USE SPOIL DISPOSAL AREAS 1, 2, 3 AND 4 AND CPL SITE. MATERIAL WILL BE CONFINED BY AN EXISTING RETENTION DIKE. ANY ADDITIONAL MATERIAL FOR DIKE WILL BE DETERMINED BY CONTRACTOR'S SURVEY PRIOR TO COMMENCING WORK.  
 3) ELEVATIONS OF EXCAVATION MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (ITEM NS-MNT-90001).  
 4) EXISTING WATER DEPTH VARIES.  
 5) SPOIL DISPOSAL AREA 1 AND RETENTION DIKE SHALL NOT EXCEED EL. +3.0' N.G.V.D. IN HEIGHT, WITH MINOR MATERIAL OVERFLOW INTO MARSH.  
 6) THE PLACEMENT OF DREDGED MATERIAL IS PROHIBITED WITHIN 1,500 FEET OF ANY OYSTER LEASE.  
 7) TEMPORARY SILT FENCE TO BE PLACED AT LOCATIONS AS DETERMINED BY PROJECT ENGINEER.

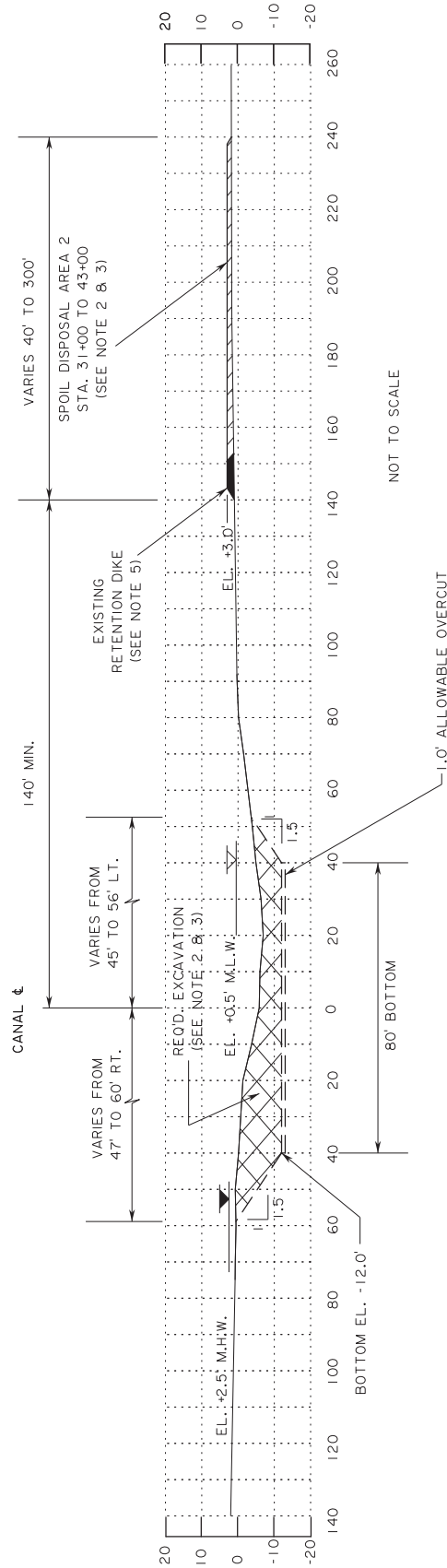


<b>PRELIMINARY</b>	<i>Louisiana Department of Transportation and Development</i>
	ENGINEER: Brittany R. Rooney, P.E. LICENSE #: 36813 DATE:
<b>FOR PERMIT PURPOSES ONLY</b>	

FOR INFORMATIONAL PURPOSES ONLY

	DESIGNED	CHECKED	CEV	BRR	PARISH	PLAQUEMINES	SHEET NUMBER	22
	NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	CONTROL SECTION	570-38		
SPOIL DISPOSAL AREA 1 TYPICAL SECTION				SERIES NUMBER	STATE PROJECT			
DREDGING OSTRICA LOCKS & CANAL								

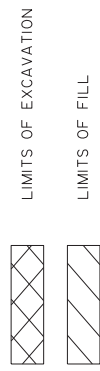
DIST 02 DESIGN



NOT TO SCALE

## TYPICAL SECTION 2 OSTRICA CANAL (SECTION ORIENTATION LOOKING NORTH)

STA. 31+00 TO STA. 43+00



- NOTES: 1) ALL ELEVATIONS ARE NGVD 29.  
 2) EXCAVATED MATERIAL TO BE DEPOSITED IN DESIGNATED BENEFICIAL USE SPOIL DISPOSAL AREAS 1, 2, 3 AND 4 AND CPL SITE. MATERIAL WILL BE CONFINED BY AN EXISTING RETENTION DIKE. ANY ADDITIONAL MATERIAL FOR DIKE WILL BE DETERMINED BY CONTRACTOR'S SURVEY PRIOR TO COMMENCING WORK.  
 3) ELEVATIONS OF EXCAVATION MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (ITEM NS-MNT-90001).  
 4) EXISTING WATER DEPTH VARIES.  
 5) SPOIL DISPOSAL AREA 1 AND RETENTION DIKE SHALL NOT EXCEED EL. +3.0' N.G.V.D. IN HEIGHT, WITH MINOR MATERIAL OVERFLOW INTO MARSH.  
 6) THE PLACEMENT OF DREDGED MATERIAL IS PROHIBITED WITHIN 1,500 FEET OF ANY OYSTER LEASE.  
 7) TEMPORARY SILT FENCE TO BE PLACED AT LOCATIONS AS DETERMINED BY PROJECT ENGINEER.

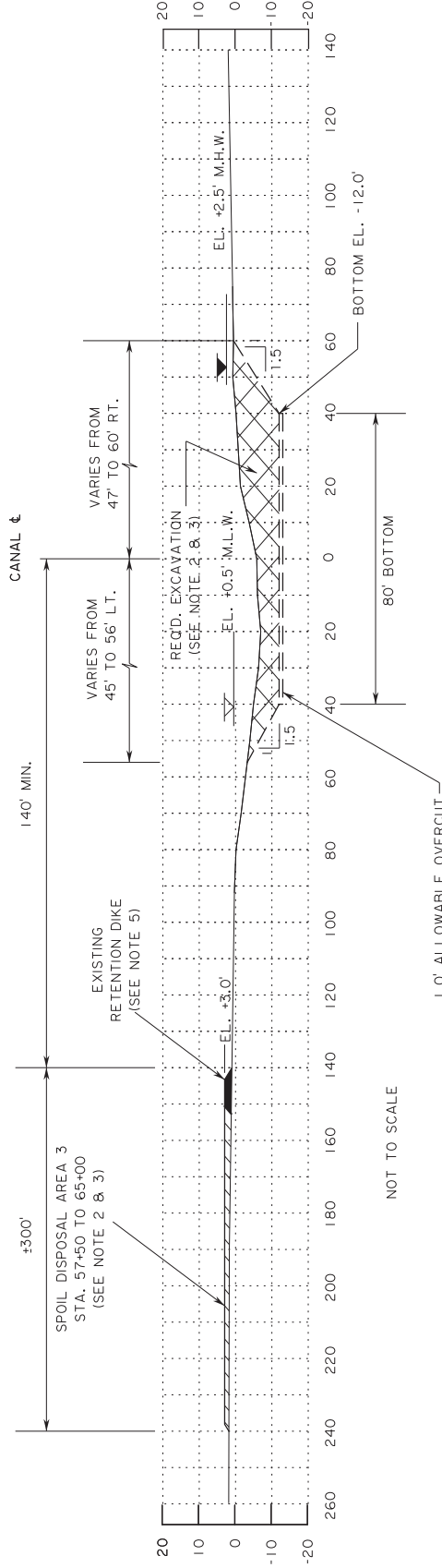
**PRELIMINARY**  
 FOR PERMIT PURPOSES ONLY

*Louisiana Department of Transportation and Development*  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

NTS

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	SPOIL DISPOSAL AREA 2 TYPICAL SECTION		DESIGNED CEV CHECKED BRR	PARISH PLAQUEMINES	SHEET NUMBER 23
	DREDGING OSTRICA LOCKS & CANAL		CONTROL SECTION 570-38	STATE PROJECT	
DIST 02 DESIGN		NO.	DATE	BY	
		REVISION OR CHANGE ORDER DESCRIPTION	SERIES NUMBER		



### TYPICAL SECTION 3 OSTRICA CANAL

STA. 57+50 TO STA. 65+00

(SECTION ORIENTATION LOOKING NORTH)

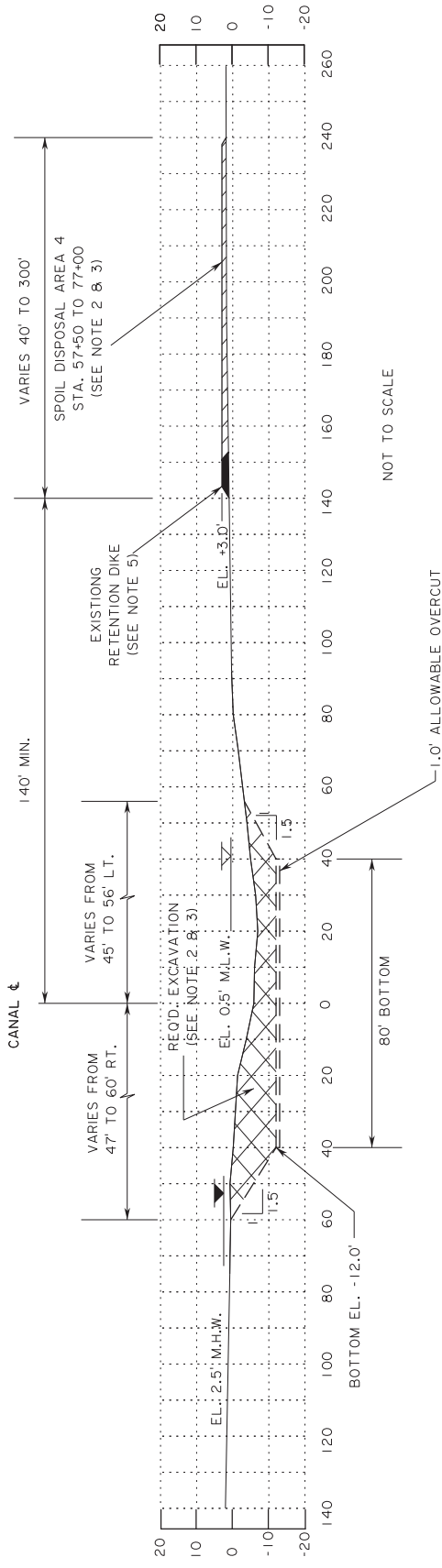
- NOTES: 1) ALL ELEVATIONS ARE NGVD 29.  
 2) EXCAVATED MATERIAL TO BE DEPOSITED IN DESIGNATED BENEFICIAL USE SPOIL DISPOSAL AREAS 1, 2, 3 AND 4 AND CPL SITE. MATERIAL WILL BE CONFINED BY AN EXISTING RETENTION DIKE. ANY ADDITIONAL MATERIAL FOR DIKE WILL BE DETERMINED BY CONTRACTOR'S SURVEY PRIOR TO COMMENCING WORK.  
 3) ELEVATIONS OF EXCAVATION MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (ITEM NS-WMT-900011).  
 4) EXISTING WATER DEPTH VARIES.  
 5) SPOIL DISPOSAL AREA 1 AND RETENTION DIKE SHALL NOT EXCEED EL. +3.0' N.G.V.D. IN HEIGHT, WITH MINOR MATERIAL OVERFLOW INTO MARSH.  
 6) THE PLACEMENT OF DREDGED MATERIAL IS PROHIBITED WITHIN 1,500 FEET OF ANY OYSTER LEASE.  
 7) TEMPORARY SILT FENCE TO BE PLACED AT LOCATIONS AS DETERMINED BY PROJECT ENGINEER.

**PRELIMINARY**  
 FOR PERMIT PURPOSES ONLY  
 Louisiana Department of Transportation and Development  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

NTS

FOR INFORMATIONAL PURPOSES ONLY

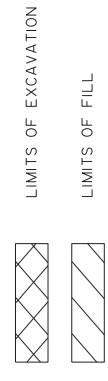
DOTD DIST 02 DESIGN	SPOIL DISPOSAL AREA 3 TYPICAL SECTION			DESIGNED CEV	PLAQUEMINES	SHEET NUMBER	24
	DREDGING OSTRICA LOCKS & CANAL			CHECKED BRR	PARISH	CONTROL SECTION	570-38
REVISION OR CHANGE ORDER DESCRIPTION		NO.	DATE	CHECKED CEV	STATE PROJECT	570-38	
				CHECKED BRR			
				SERIES NUMBER			
				BY			



## TYPICAL SECTION 4 OSTRICA CANAL

STA. 57+50 TO STA. 77+00  
(SECTION ORIENTATION LOOKING NORTH)

- NOTES: 1) ALL ELEVATIONS ARE NGVD 29.  
 2) EXCAVATED MATERIAL TO BE DEPOSITED IN DESIGNATED BENEFICIAL USE SPOIL DISPOSAL AREAS 1, 2, 3 AND 4 AND CPL SITE. MATERIAL WILL BE CONFINED BY AN EXISTING RETENTION DIKE. ANY ADDITIONAL MATERIAL FOR DIKE WILL BE DETERMINED BY CONTRACTOR'S SURVEY PRIOR TO COMMENCING WORK.  
 3) ELEVATIONS OF EXCAVATION MATERIAL ARE TAKEN FROM RANDOM CROSS SECTIONS. EXACT ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S SURVEY WORK (ITEM NS-MNT-90001).  
 4) EXISTING WATER DEPTH VARIES.  
 5) SPOIL DISPOSAL AREA 1 AND RETENTION DIKE SHALL NOT EXCEED EL. +3.0' N.G.V.D. IN HEIGHT, WITH MINOR MATERIAL OVERFLOW INTO MARSH.  
 6) THE PLACEMENT OF DREDGED MATERIAL IS PROHIBITED WITHIN 1,500 FEET OF ANY OYSTER LEASE.  
 7) TEMPORARY SILT FENCE TO BE PLACED AT LOCATIONS AS DETERMINED BY PROJECT ENGINEER.



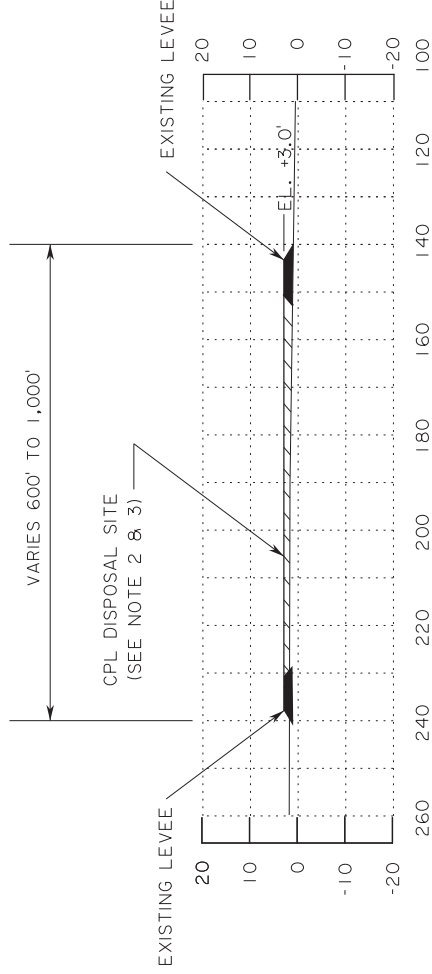
**PRELIMINARY**  
FOR PERMIT PURPOSES ONLY

*Louisiana Department of Transportation and Development*  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

NITS

FOR INFORMATIONAL PURPOSES ONLY

	SPOIL DISPOSAL AREA 4 TYPICAL SECTION		DESIGNED CHECKED	CEV BRR	PARISH	PLAQUEMINES	SHEET NUMBER	25
	DREDGING OSTRICA LOCKS & CANAL		DETAILED CHECKED	CEV BRR	CONTROL SECTION	570-38	STATE PROJECT	
DIST 02 DESIGN		NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES NUMBER		



NOT TO SCALE

## TYPICAL SECTION 5 @ CPL SITE

(SECTION ORIENTATION LOOKING WEST)



LIMITS OF FILL

- NOTES: 1) ALL ELEVATIONS ARE NGVD 29.  
 2) EXCAVATED MATERIAL TO BE DEPOSITED IN DESIGNATED BENEFICIAL USE SPOIL DISPOSAL AREAS 1, 2, 3 AND 4 AND CPL SITE. MATERIAL WILL BE CONFINED BY RETENTION DIKE OR EXISTING LEVEE. ANY ADDITIONAL MATERIAL FOR DIKE WILL BE DETERMINED BY CONTRACTOR'S SURVEY PRIOR TO COMMENCING WORK.  
 3) THE PLACEMENT OF DREDGED MATERIAL IS PROHIBITED WITHIN 1,500 FEET OF ANY OYSTER LEASE.  
 4) TEMPORARY SILT FENCE TO BE PLACED AT LOCATIONS AS DETERMINED BY PROJECT ENGINEER.

**PRELIMINARY**  
 FOR PERMIT PURPOSES ONLY

*Louisiana Department of Transportation and Development*  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

NTS

FOR INFORMATIONAL PURPOSES ONLY

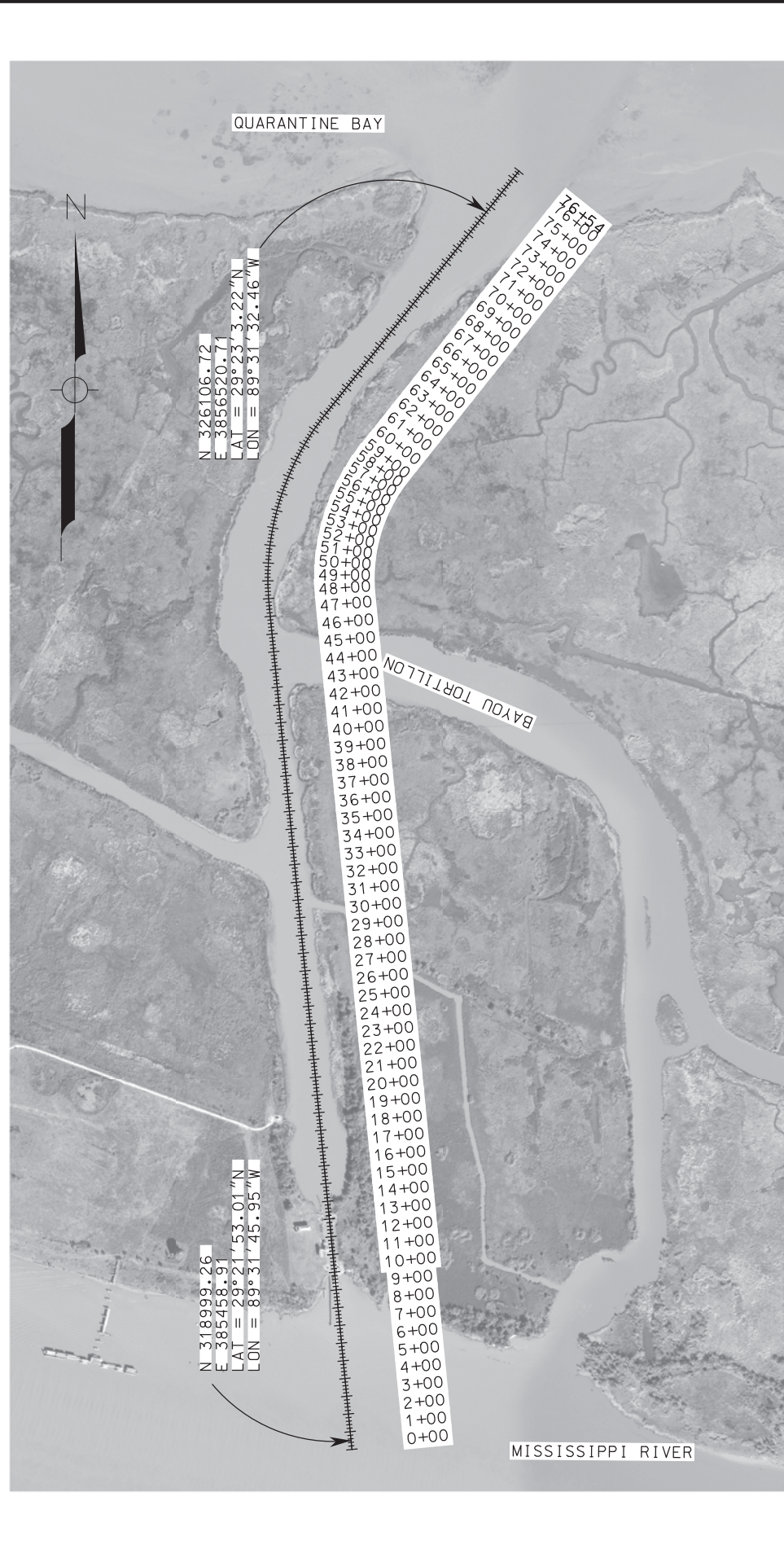


SPOIL DISPOSAL AREA - CPL  
 TYPICAL SECTION  
 DREDGING OSTRICA LOCKS & CANAL



DESIGNED	CEV				
CHECKED	BRR				
DETAILED	CEV				
CHECKED	BRR				
SERIES NUMBER					
NO.		DATE		BY	
REVISION OR CHANGE ORDER DESCRIPTION					



PARISH	PLAQUEMINES	SHEET NUMBER	26
CONTROL SECTION	570-38		
STATE PROJECT			

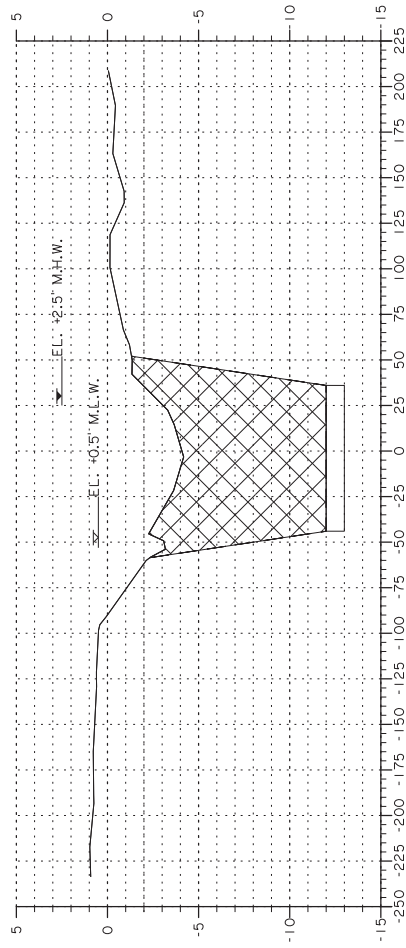


**PRELIMINARY**  
 FOR PERMIT  
 PURPOSES ONLY

Louisiana Department  
 of Transportation  
 and Development

ENGINEER: Brittany R. Roorey, P.E.  
 LICENSE #: 36813  
 DATE:

DESIGNED		CEV	PLAQUEMINES	SHEET NUMBER	27
CHECKED		BRR	PARISH		
DETAILED		CEV	CONTROL SECTION	570-38	
CHECKED		BRR	STATE PROJECT		
SERIES NUMBER					
NO.					
DATE					
REVISION OR CHANGE ORDER DESCRIPTION					
BY					
					
PLAN SHEET					
DREDGING OSTRICA LOCKS & CANAL					
					
DIST 02 DESIGN					



CUT AREA  
 92.8 SQ YD  
 OVER CUT AREA  
 8.9 SQ YD

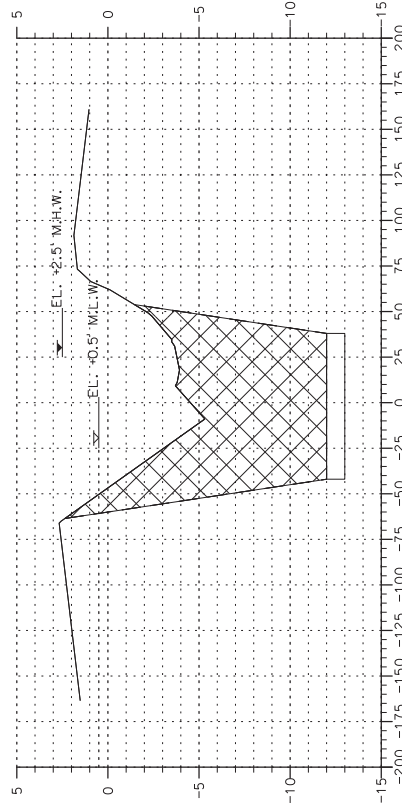
STA. NO. 5+00  
 SCALE: 1 V= 10 H

**PRELIMINARY**  
 FOR PERMIT  
 PURPOSES ONLY

Louisiana Department  
 of Transportation  
 and Development  
 ENGINEER: Brittany R. Rooney, P.E.  
 LICENSE #: 36813  
 DATE:

DESIGNED		CEV	PARISH	PLAQUEMINES	SHEET NUMBER	28
CHECKED		BRR	CONTROL SECTION	570-38		
DETAILED		CEV	STATE PROJECT			
CHECKED		BRR				
SERIES NUMBER						
NO.						
DATE						
REVISION OR CHANGE ORDER DESCRIPTION						
BY						
CROSS SECTION						
DREDGING OSTRICA LOCKS & CANAL						
DIST 02 DESIGN						




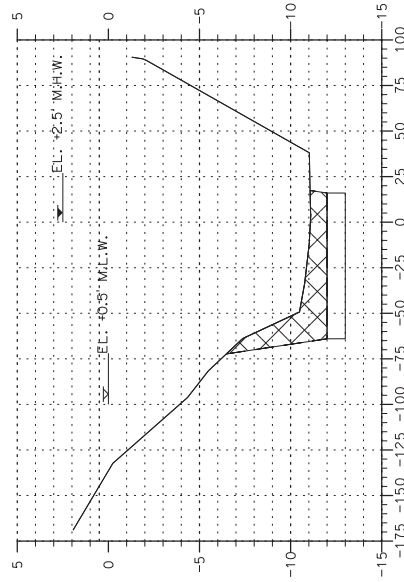


CUT AREA  
95.7 SQ YD  
OVER CUT AREA  
8.9 SQ YD

STA. NO. 9+20  
SCALE: 1V=10H

PRELIMINARY FOR PERMIT PURPOSES ONLY	Louisiana Department of Transportation and Development
	ENGINEER: Brittany A. Roovey, P.E. LICENSE #: 36813 DATE:

DOTD DIST 02 DESIGN	CROSS SECTIONS DREDGING OSTRICA LOCKS & CANAL		DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET
			CHECKED	BRR	CONTROL SECTION	570-38	NUMBER
			Detailed	CEV	STATE		29
			CHECKED	BRR	PROJECT		
			SERIES NUMBER				
			REVISION OR CHANGE ORDER DESCRIPTION				
			NO.	DATE			
				BY			





CUT AREA  
15.2 SQ YD  
OVER CUT AREA  
8.9 SQ YD

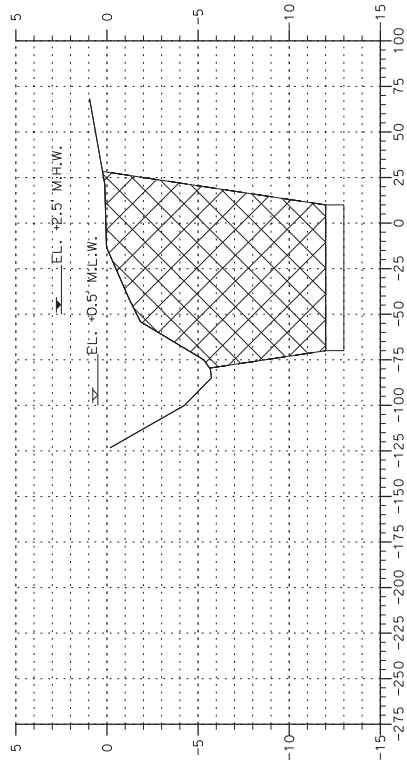
STA. NO. 20+80  
SCALE: 1V=10H

**PRELIMINARY**  
FOR PERMIT  
PURPOSES ONLY

Louisiana Department  
of Transportation  
and Development

ENGINEER: Brittany R. Rooney, P.E.  
LICENSE #: 36813  
DATE:

 DIST 02 DESIGN		CROSS SECTIONS DREDGING OSTRICA LOCKS & CANAL				DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET
						CHECKED	BRR	CONTROL	SECTION	NUMBER
NO. _____ DATE _____ BY _____		REVISION OR CHANGE ORDER DESCRIPTION		DETAILED	CEV	STATE	570-38	30		
				CHECKED	BRR	PROJECT				





CUT AREA  
113.4 SQ YD  
OVER CUT AREA  
8.9 SQ YD

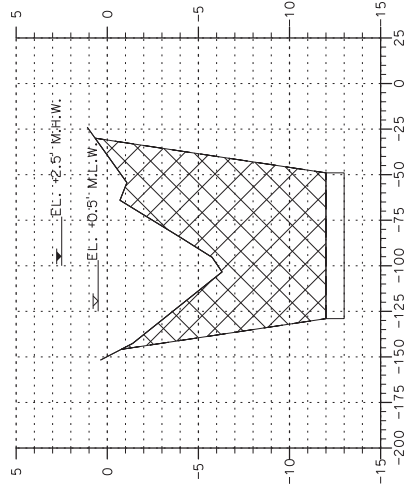
STA. NO. 35+60

SCALE: 1V=10H

**PRELIMINARY**  
**FOR PERMIT PURPOSES ONLY**

Louisiana Department of Transportation and Development  
ENGINEER: Brittany R. Romney, P.E.  
LICENSE #: 36813  
DATE:

 DIST 02 DESIGN	CROSS SECTIONS DREDGING OSTRICA LOCKS & CANAL		DESIGNED	CEV	PLAQUEMINES	SHEET
			CHECKED	BRR	PARISH	NUMBER
			DETAILED	CEV	CONTROL	31
			CHECKED	BRR	SECTION	
			SERIES		STATE	570-38
			NUMBER		PROJECT	
			REVISION OR CHANGE ORDER DESCRIPTION			
			NO.	DATE		
				BY		





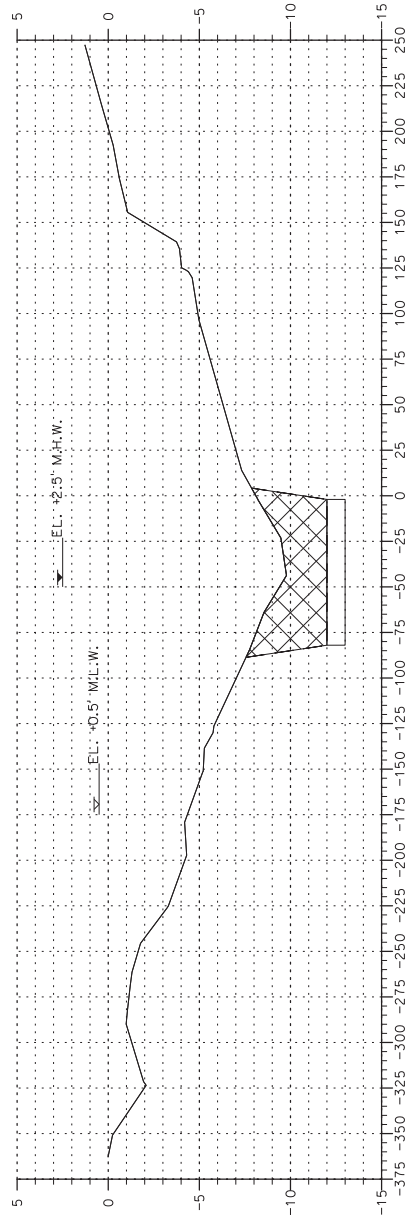
CUT AREA  
95.3 SQ YD  
OVER CUT AREA  
8.9 SQ YD

STA. NO. 41+00  
SCALE: 1V=10H

**PRELIMINARY**  
FOR PERMIT  
PURPOSES ONLY

*Louisiana Department  
of Transportation  
and Development*  
ENGINEER: Brittany R. Rooney, P.E.  
LICENSE # 36813  
DATE:

 DIST 02 DESIGN		CROSS SECTIONS DREDGING OSTRICA LOCKS & CANAL				DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET
						CHECKED	BRR	CONTROL	570-38	NUMBER
NO. _____ DATE _____		REVISION OR CHANGE ORDER DESCRIPTION _____ BY _____		DETAILED	CEV	STATE				
				CHECKED	BRR	PROJECT				
				SERIES					32	
				NUMBER						



CUT AREA  
29.7 SQ YD  
OVER CUT AREA  
8.9 SQ YD

STA. NO. 73+00  
SCALE: 1V=10H

**PRELIMINARY**  
FOR PERMIT  
PURPOSES ONLY

Louisiana Department  
of Transportation  
and Development  
ENGINEER: Brittany R. Rooney, P.E.  
LICENSE #: 36813  
DATE:

DOTD DIST 02 DESIGN	CROSS SECTIONS	DREDGING OSTRICA LOCKS & CANAL		DESIGNED	CEV	PARISH	PLAQUEMINES	SHEET
				CHECKED	BRR	CONTROL SECTION	570-38	NUMBER
				NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	
				DESIGNED	CEV	STATE		
				CHECKED	BRR	PROJECT		
				DETAILED	CEV			
				CHECKED	BRR			
				SERIES NUMBER				33