

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

January 17, 2023

Regulatory Division Central Evaluation Branch

Project Manager S. Gail Gainey (504) 862-1545 Sandra.g.gainey@usace.army.mil

Application #: MVN-2019-00403-CG

PUBLIC NOTICE

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the US Army Corps of Engineers pursuant to: [] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344), and/or [] Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. Section 408).

DREDGE A SLIP ON BELLE PASS OF BAYOU LAFOURCHE IN LAFOURCHE PARISH

NAME OF APPLICANT: Greater Lafourche Port Commission c/o Mohan Menon of GIS Engineering, LLC., 450 Laurel Street, STE 1500, Baton Rouge, LA 70801.

LOCATION OF WORK: In Belle Pass, Sections 22, 24, 25, 26, and 28, Township 23S, Range 22E, just south of Port Fourchon, Louisiana, in Lafourche Parish, within the Terrebonne Basin in hydrologic unit (HUC 08090301), as shown on the attached drawings (Latitude 29.103333 N, Longitude -90.206667 W).

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to clear, grade, excavate, and deposit fill and dredged material to construct and maintain a slip on Fourchon Island for the Fourchon Island Development Project (Phase 1) to include a 1,480-foot wide slip at a 2,600-foot depth, an 8,227 LF bulkhead, approx. 15.7 acres of containment levees, access roadways including a 1,590 linear-foot bridge spanning a private canal, and proposed beneficial spoil placement with appurtenant discharge pipeline. Approximately 5,017657.9 cubic yards would be dredged to create the slip, of which approx. 2,476,770.3 cubic yards will be used as fill material in approx. 198.1 acres around the slip for development of the port facility, approx. 169,972.9 cubic yards will be redistributed to backfill borrow ditches for the containment levees, and the remainder will be deposited in adjacent open waters to create saline marsh habitat. Approx. 6,219.2 cubic yards of riprap will be utilized for the bridge and erosion control, and approx. 14,600 cubic yards earthen fill from off-site, approx. 50,300 cubic yards of crushed limestone, and 9,000 additional cubic yards of asphalt will be deposited for the roadways. A Preliminary analysis has determined that the proposed

project would directly impact approx. 875.3 acres of jurisdictional wetlands and waters including approx. 4.14 acres of traditionally navigable waters for marine workspaces.

MITIGATION: The applicant has designed the project to avoid and minimize direct and secondary adverse impacts by maximizing the dredge disposal pipeline's corridor placement in open water as opposed to atop wetlands wherever possible and by designing retention berms to hold redeposited fill material in place to prevent erosion and sediment transport. Any further reduction would limit usage of the property and therefore, function, deeming the project impracticable. As compensation for unavoidable wetland impacts, the applicant proposes to utilize dredged material from the excavation of the slip to convert approx. 514 acres of open water to marsh wetlands in four designated mitigation areas. Approximately 22,812 linear feet of discharge pipe will temporarily impact approx. 26.18 acres of wetlands and waterbottoms in order to transport the dredge material to the mitigation areas and a total of approx. 11.6 acres of containment levees will be constructed for the marsh mitigation areas.

The comment period for the Department of Army will close in <u>20 days</u> 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 must be mailed 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 <u>preferably</u> emailed to the Corps of Engineers project manager listed above or forwarded to the Corps of Engineers at the address above, <u>ATTENTION: REGULATORY DIVISION, RGC, S. Gail Gainey</u>. 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 Branch 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. This public notice is also available for review online at https://go.usa.gov/xennJ.

Corps of Engineers Permit Criteria

The decision whether to issue a Section 10/404 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. Further, all factors that may be relevant to the proposal will be considered, including the potential cumulative effects associated with the proposed project.

The New Orleans District utilizes the National Register of Historic Places to identify properties listed on or near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. However, extent of coverage and impacts is undetermined at this time pending a National Historic Preservation Act compliance determination. Copies of this notice are made available to the State Archeologist and the State Historic Preservation Officer.

The New Orleans District has determined that the proposed project is located in an area known to be utilized by the Eastern Black Rail, Green Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle, Piping Plover, Red Knot, Giant Manta Ray, and West Indian Manatee. Utilizing the Information & Planning Consultation for Endangered Species in Louisiana protocol, dated January 27, 2020 between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined the project not likely to adversely affect the West Indian Manatee as the Standard Manatee Conditions for In-Water Activities will be included as permit conditions. However, the other species above may be affected by the project and methods to avoid or minimize potential adverse effects to those species is being coordinated with the Louisiana Ecological Services Office and/or NOAA Fisheries Southeast Region.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of <u>875.3</u> acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

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

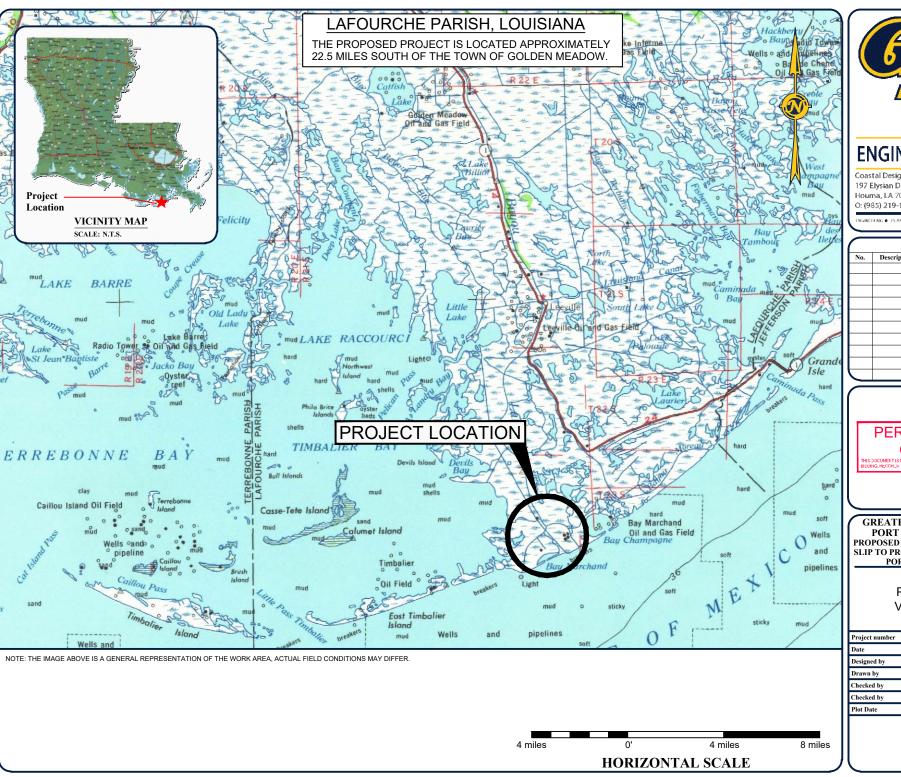
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

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 (Louisiana Coastal Zone Application P20200067). 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.

John M. Herman Chief, Central Evaluation Branch Regulatory Division

Enclosures





ENGINEERING L

Coastal Design & Infrastructure 197 Elysian Drive Houma, LA 70363 O: (985) 219-1000 | F: (985) 475-7014

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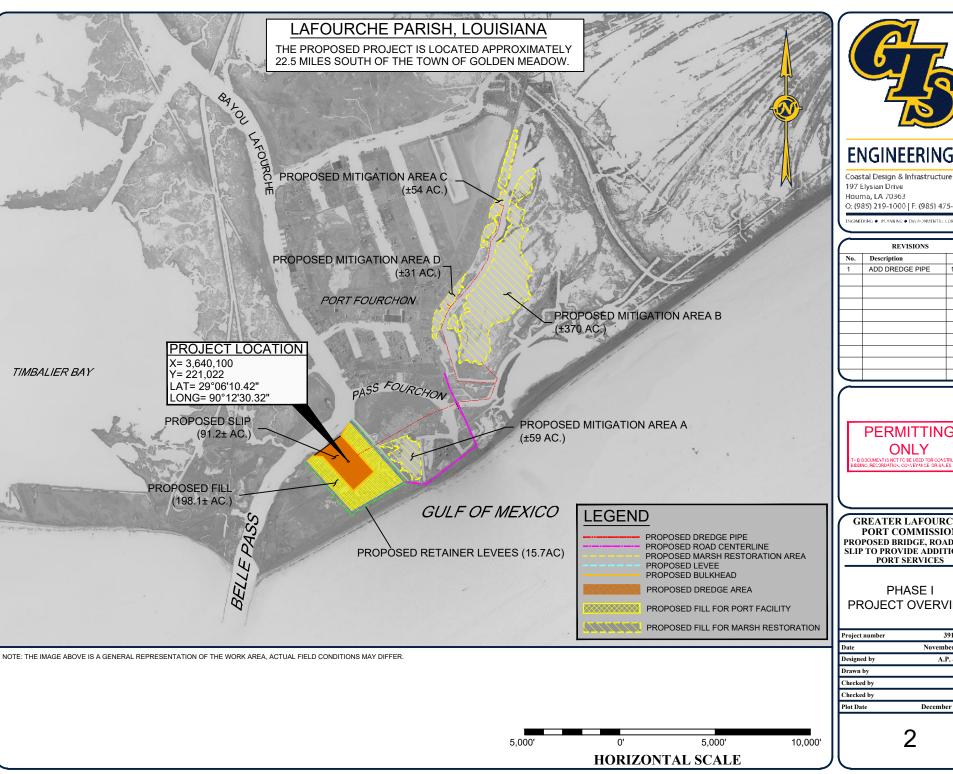
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PERMITTING ONLY

GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I VICINITY

Project number	39130-1320	Gen
Date	November 4, 2022	182
Designed by	A.P. & G.I.S.	Fourchon\1182
Drawn by	J.M.H.	ourc
Checked by	M.M.	Port F
Checked by	-	- 1
Plot Date	December 20, 2022	nt\GLPC



ENGINEERING LLC

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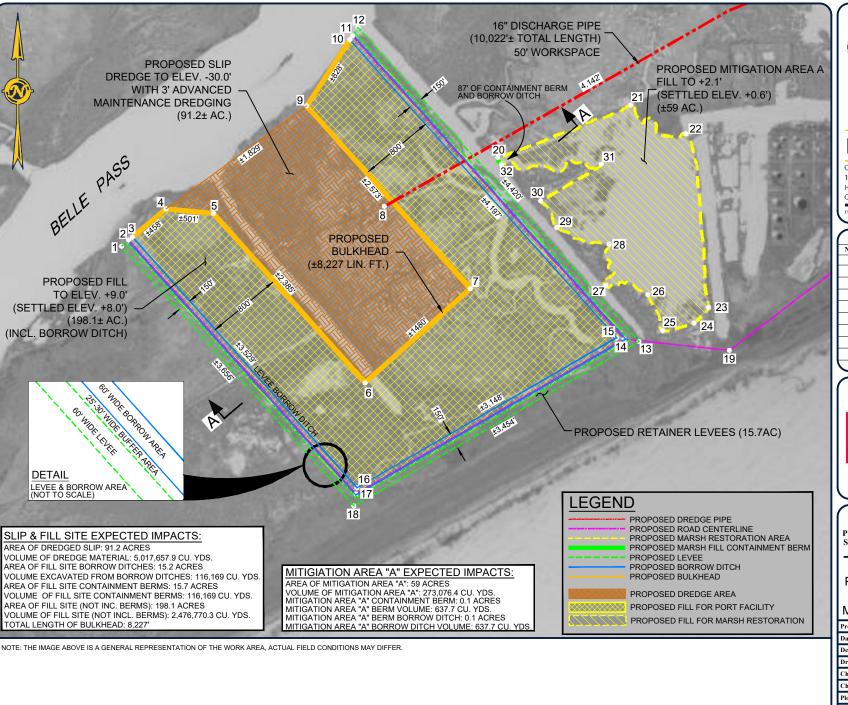
REVISIONS					
No.	Description	Date			
1	ADD DREDGE PIPE	12/15/22			

PERMITTING ONLY

GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROJECT OVERVIEW

Project number	39130-1320	
Date	November 4, 2022	
Designed by	A.P. & G.I.S.	
Drawn by	J.M.H.	
Checked by	M.M.	
Checked by	-	
Plot Date	December 20, 2022	



1,000'

1,000'

HORIZONTAL SCALE

2,000'

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No. Description	Date

PERMITTING ONLY

MENT IS NOT TO BE USED FOR CONSTRUCTION.

GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED SLIP, FILL LEVEE, ROAD, &

MANGITILGTONATION		
Project number	39130-1320	
Date	November 4, 2022	
Designed by	A.P. & G.I.S.	
Drawn by	J.M.H.	
Checked by	M.M.	
Checked by	-	
Plot Date	December 20, 2022	

LOCATION OF PROPOSED SLIP, LEVEE, FILL, BULKHEAD, & ROAD

POINT	LOUISIANA S	STATE PLANE	GEOGRAPHICAL		FEATURES / DESCRIPTION
NO.	X= LA-S '83 FT	Y= LA-S '83 FT	LATITUDE	LONGITUDE	FEATORES / DESCRIPTION
1	3,637,895	221,004	29°06'10.45"	90°12'55.18"	PROPOSED LEVEE
2	3,638,048	221,132	29°06'11.71"	90°12'53.44"	PROPOSED LIMITS OF FILL/LEVEE
3	3,638,078	221,158	29°06'11.96"	90°12'53.11"	END OF PROPOSED ROAD
4	3,638,395	221,432	29°06'14.64"	90°12'49.50"	LIMITS OF PROPOSED DREDGE AREA/FILL/BULKHEAD
5	3,638,882	221,403	29°06'14.31"	90°12'44.01"	LIMITS OF PROPOSED DREDGE AREA/FILL/BULKHEAD
6	3,640,402	219,568	29°05'56.00"	90°12'27.08"	LIMITS OF PROPOSED DREDGE AREA/FILL/BULKHEAD
7	3,641,523	220,535	29°06'05.46"	90°12'14.34"	LIMITS OF PROPOSED DREDGE AREA/FILL/BULKHEAD
8	3,640,566	221,349	29°06'13.61"	90°12'25.04"	END OF PROPOSED ROAD
9	3,639,798	222,476	29°06'24.84"	90°12'33.57"	LIMITS OF PROPOSED DREDGE AREA/FILL/BULKHEAD
10	3,640,259	223,072	29°06'30.70"	90°12'28.31"	BEGIN DREDGE SEDIMENT CONVEYANCE PIPELINE
11	3,640,246	223,159	29°06'31.56"	90°12'28.45"	PROPOSED LIMITS OF FILL/ LEVEE
12	3,640,394	223,293	29°06'32.87"	90°12'26.75"	PROPOSED LEVEE
13	3,643,348	219,992	29°05'59.91"	90°11'53.84"	PROPOSED LEVEE
14	3,643,038	220,049	29°06'00.50"	90°11'57.32"	PROPOSED LEVEE
15	3,642,962	220,062	29°06'00.64"	90°11'58.17"	P.I. IN PROPOSED ROAD
16	3,640,302	218,529	29°05'45.73"	90°12'28.32"	P.I. IN PROPOSED ROAD
17	3,640,291	218,465	29°05'45.09"	90°12'28.46"	PROPOSED LIMITS OF FILL/LEVEE
18	3,640,245	218,207	29°05'42.54"	90°12'29.00"	PROPOSED LEVEE
19	3,644,187	219,839	29°05'58.31"	90°11'44.40"	P.I. IN PROPOSED ROAD
20	3,641,758	221,862	29°06'18.57"	90°12'11.54"	PROPOSED MITIGATION AREA/BERM
21	3,643,149	222,411	29°06'23.87"	90°11'55.80"	PROPOSED MITIGATION AREA
22	3,643,730	222,113	29°06'20.86"	90°11'49.28"	PROPOSED MITIGATION AREA
23	3,643,968	220,288	29°06'02.77"	90°11'46.81"	PROPOSED MITIGATION AREA
24	3,643,814	220,125	29°06'01.18"	90°11'48.56"	PROPOSED MITIGATION AREA
25	3,643,488	220,046	29°06'00.43"	90°11'52.25"	PROPOSED MITIGATION AREA
26	3,643,330	220,425	29°06'04.19"	90°11'53.98"	PROPOSED MITIGATION AREA
27	3,642,890	220,518	29°06'05.16"	90°11'58.93"	PROPOSED MITIGATION AREA
28	3,642,924	220,950	29°06'09.43"	90°11'58.51"	PROPOSED MITIGATION AREA
29	3,642,376	221,128	29°06'11.25"	90°12'04.66"	PROPOSED MITIGATION AREA
30	3,642,206	221,407	29°06'14.03"	90°12'06.55"	PROPOSED MITIGATION AREA
31	3,642,843	221,793	29°06'17.79"	90°11'59.32"	PROPOSED MITIGATION AREA
32	3,641,796	221,791	29°06'17.87"	90°12'11.12"	PROPOSED MITIGATION AREA/BERM



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REVISIONS				
No.	Description	Date		

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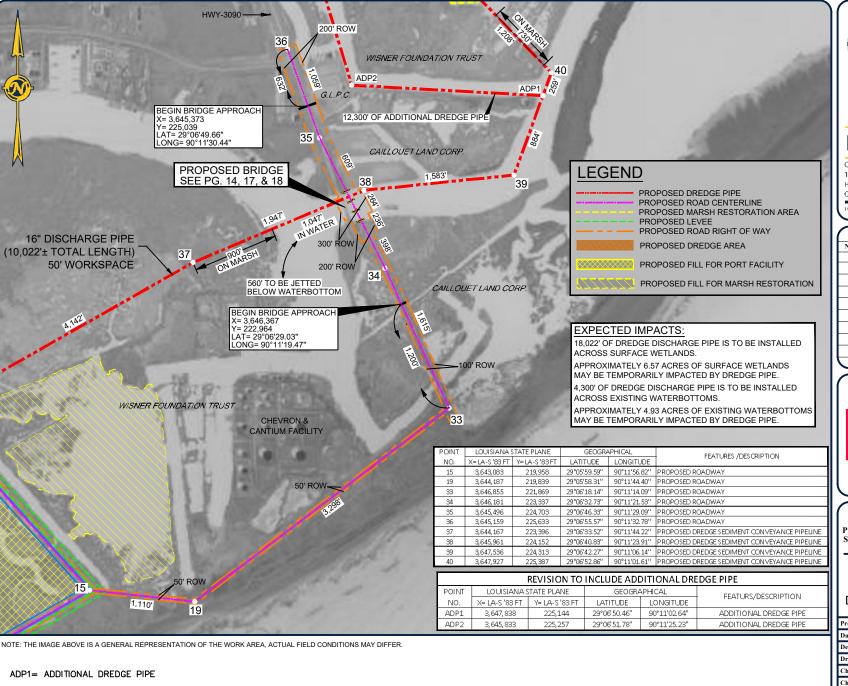
GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I COORDINATES OF SHEET 3 FEATURES

39130-1320 November 4, 2022 A.P. & G.I.S.	
A.P. & G.I.S.	
J.M.H	
M.M.	
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NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.



1,000' 0' 1,000' 2,000' HORIZONTAL SCALE

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REVISIONS				
No.	Description	Date		

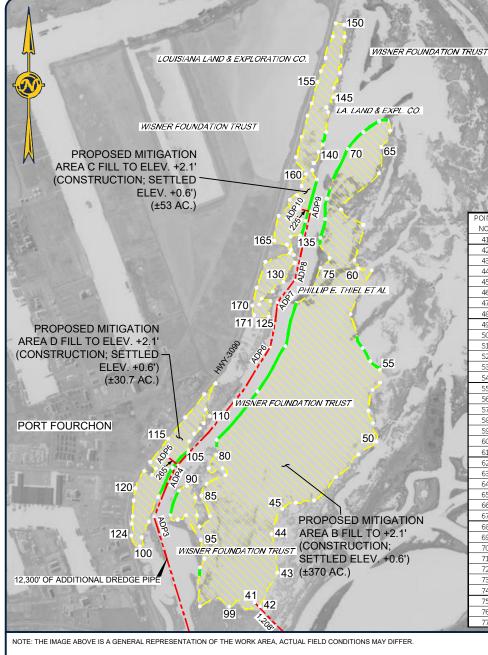
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED ROAD & DREDGE PIPE ROUTE

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Project number	39130-1320	l
Date	November 4, 2022	l
Designed by	A.P. & G.I.S.	
Drawn by	J.M.H.	ı
Checked by	M.M.	l
Checked by	-	L
Plot Date	December 20, 2022	
		ı.



EXPECTED IMPACTS:

TOTAL AREA OF MITIGATION AREA "B": 370 ACRES TOTAL VOLUME OF MITIGATION AREA "B": 1,724,484.1 CU. YDS. TOTAL AREA OF MITIGATION AREA "C": 54 ACRES TOTAL VOLUME OF MITIGATION AREA "C": 237,035.8 CU. YDS.

TOTAL AREA OF MITIGATION AREA "D": 31 ACRES TOTAL VOLUME OF MITIGATION AREA "D": 136,318.4 CU. YDS.

REVISION TO INCLUDE ADDITIONAL DREDGE PIPE						
POINT	LOUISIANA STATE PLANE GEOGRAPHICAL		FEATURS/DESCRIPTION			
NO.	X= LA-S '83 FT	Y= LA-S '83 FT	LATITUDE	LONGITUDE	FEATORS/DESCRIPTION	
ADP1	3,647,838	225,144	29°06'50.46"	90°11'02.64"	ADDITIONAL DREDGE PIPE	
ADP2	3,645,833	225,257	29°06'51.78"	90°11'25.23"	ADDITIONAL DREDGE PIPE	
ADP3	3,644,982	228,052	29°07'19.53"	90°11'34.51"	ADDITIONAL DREDGE PIPE	
ADP4	3,645,483	229,138	29°07'30.23"	90°11'28.74"	ADDITIONAL DREDGE PIPE	
ADP5	3,645,276	229,304	29°07'31.90"	90°11'31.06"	ADDITIONAL DREDGE PIPE	
ADP6	3,647,418	231,611	29°07'54.52"	90°11'06.64"	ADDITIONAL DREDGE PIPE	
ADP7	3,647,570	232,548	29°08'03.78"	90°11'04.82"	ADDITIONAL DREDGE PIPE	
ADP8	3,647,936	233,021	29°08'08.43"	90°11'00.65"	ADDITIONAL DREDGE PIPE	
ADP9	3,648,265	234,457	29°08'22.61"	90°10'56.78"	ADDITI ONAL DREDGE PIPE	
ADP10	3,648,048	234,507	29°08'23.12"	90°10'59.22"	ADDITIONAL DREDGE PIPE	

AL AL	P10 3,648,04	18 234,507	7 29°08'23.	12"	90°10'59.2	22"	ADDITI ONAL DREDGE PIPE
POINT	LOUISIANA S	TATE PLANE	GEOGR/	GEOGRAPHICAL			FEATURES/DECODERION
NO.	X= LA-S '83 FT	Y= LA-S '83 FT	LATITUDE	LC	NGITUDE	1	FEATURES/DESCRIPTION
41	3,647,088	226, 256	29°07'01.54"	90	°11'10.98"	DRE	DGE SEDIMENT CONVEYANCE PIPE
42	3,647,199	226, 170	29°07'00.69"	90	°11'09.73"	PRO	DPOSED MITIGATION AREA
43	3,647,568	226,881	29°07'07.68"	90	°11'05.48"	PRO	DPOSED MITIGATION AREA
44	3,647,444	227, 690	29°07'15.70"	90	r11'06.80"	PRO	DPOSED MITIGATION AREA
45	3,647,671	228, 21.9	29°07'20.92"	90	°11'04.18"	PRO	DPOSED MITIGATION AREA
46	3,647,952	228, 347	29°07'22.16"	90	°11'01.00"	PRO	DPOSED MITIGATION AREA
47	3,648,337	228, 392	29°07'22.57"	90	°10′56.64″	PRO	DPOSED MITIGATION AREA
48	3,648,798	228,882	29°07'27.37"	90	r10'51.39"	PRO	DPOSED MITIGATION AREA
49	3,649,270	229, 358	29°07'32.04"	90	°10′46.02″	PRO	DPOSED MITIGATION AREA
50	3,649,644	229,630	29°07'34.69"	90	°10′41.77"	PRO	DPOSED MITIGATION AREA
51	3,649,578	230,017	29°07'38.53"	90	°10′42.47″	PRO	DPOSED MITIGATION AREA
52	3,649,475	230, 278	29°07'41.12"	90	r 10′43, 60″	PRO	DPOSED MITIGATION AREA
53	3,649,569	230, 716	29°07'45.45"	90	°10′42.50"	PRO	DPOSED MITIGATION AREA
54	3,649,724	230, 864	29°07'46.90"	90	°10′40.73″	PRO	DPOSED MITIGATION AREA
55	3,649,719	231, 140	29°07'49.63"	90	°10′40.76″	PRO	DPOSED MITIGATION AREA
56	3,649,516	231, 313	29°07'51.36"	90	°10′43.02″	PRO	DPOSED MITIGATION AREA
57	3,649,360	231, 593	29°07'54.15"	90	°10′44.76″	PRO	DPOSED MITIGATION AREA
58	3,649,103	232, 304	29°08'01.21"	90	°10′47.57"	PRO	DPOSED MITIGATION AREA
59	3,649,546	233, 225	29°08'10.28"	90	°10′42.47″	PRO	DPOSED MITIGATION AREA
60	3,649,271	233, 260	29°08'10.66"	90	°10′45.56″	PRO	DPOSED MITIGATION AREA
61	3,649,185	233, 436	29°08'12.41"	90	°10′46.51″	PRO	DPOSED MITIGATION AREA
62	3,649,371	234, 174	29°08'19.70"	90	r 10' 44.33"	PRO	DPOSED MITIGATION AREA
63	3,648,900	234, 503	29°08'23.00"	90	°10′49.61″	PRO	DPOSED MITIGATION AREA
64	3,649,700	235, 260	29°08'30.41"	90	°10′40.50″	PRO	DPOSED MITIGATION AREA
65	3,649,747	235, 807	29°08'35.82"	90	r10'39.91"	PRO	DPOSED MITIGATION AREA
66	3,649,934	236, 151	29°08'39.21"	90	°10′37.76″	PRO	DPOSED MITIGATION AREA
67	3,649,881	236, 363	29°08'41.32"	90	r10′38.34″	PRO	DPOSED MITIGATION AREA
68	3,649,704	236, 349	29°08'41.20"	90	°10′40.34″	PRO	DPOSED MITIGATION AREA
69	3,649,371	236, 125	29°08'39.02"	90	°10′44.11″	PRO	DPOSED MITIGATION AREA
70	3,649,042	235, 768	29°08'35.51"	90	°10′47.87″	PRO	DPOSED MITIGATION AREA
71	3,648,607	234, 727	29°08'25.25"	90	°10′52.89"	PRO	DPOSED MITIGATION AREA
72	3,648,571	234, 302	29°08'21.05"	90	°10′53.34″	PRO	DPOSED MITIGATION AREA
73	3,648,468	233, 908	29°08'17.16"	90	°10′54.54″	PRO	DPOSED MITIGATION AREA
74	3,648,660	233, 481	29°08'12.91"	90	°10′52.43″	PRO	DPOSED MITIGATION AREA
75	3,648,468	233, 270	29°08'10.84"	90	°10′54.61″	PRO	DPOSED MITIGATION AREA
76	3,647,965	232, 534	29°08'03.61"	90	°11'00.37"	PRO	DPOSED MITIGATION AREA
77	3,647,736	231,633	29°07'54.71"	90	°11'03.06"	PRO	DPOSED MITIGATION AREA

4,000'

Coastal Design & Infrastructure 197 Elysian Drive Houma, LA 70363 O: (985) 219-1000 | F: (985) 475-7014

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No.	Description	Date	
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PERMITTING **ONLY**

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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I **PROPOSED** MITIGATION AREAS

Project number	39130-1320
Date	November 4, 2022
Designed by	A.P. & G.I.S.
Drawn by	J.M.H.
Checked by	M.M.
Checked by	-
Plot Date	December 20, 2022

<u>EGEND</u>		
PROPOSED TEMP. CONTAINMENT LEVEE		
PROPOSED DREDGE PIPE		
PROPOSED MARSH RESTORATION AREA		
PROPOSED FILL FOR MARSH RESTORATION	2,000'	0'
		HORIZON

POINT	LOUISIANA	ATE PLANE GEOGRAPHICAL			
NO.	X= LA-S '83 FT	Y= LA-S '83 FT	LATITUDE	LONGITUDE	FEATURES/DESCRIPTION
78	3,647,151	230,679	29°07'45.32"	90°11'09.76"	PROPOSED MITIGATION AREA
79	3,646,292	229,664	29°07'35.36"	90°11'19.56"	PROPOSED MITIGATION AREA
80	3,646,287	229,352	29°07'32.27"	90°11'19.65"	PROPOSED MITIGATION AREA
81	3,646,129	229,070	29°07'29.50"	90°11'21.47"	PROPOSED MITIGATION AREA
82	3,646,415	229,070	29°07'29.47"	90°11'18.24"	PROPOSED MITIGATION AREA
83	3,646,479	228,923	29°07'28.01"	90°11'17.54"	PROPOSED MITIGATION AREA
84	3,646,083	228,744	29°07'26.27"	90°11'22.02"	PROPOSED MITIGATION AREA
85	3,645,974	228,744	29°07'23.82"	90°11'23.28"	PROPOSED MITIGATION AREA
86	3,646,151	228,493	29°07'19.59"	90°11'21.33"	PROPOSED MITIGATION AREA
87	3,645,931	227,848	29°07'17.41"	90°11'23.83"	PROPOSED MITIGATION AREA
88	3,645,880	228,090	29°07'19.81"	90°11'24.38"	PROPOSED MITIGATION AREA
89	3,645,848	228,456	29°07'23.45"	90°11'24.70"	PROPOSED MITIGATION AREA
90			29°07'25.43	90°11'26.69"	PROPOSED MITIGATION AREA
90	3,645,669 3,645,501	228,702 228,599	29°07'25.90" 29°07'24.89"	90°11'26.69" 90°11'28.59"	PROPOSED MITIGATION AREA
91	3,645,501	228,599	29°07'24.89" 29°07'19.95"	90°11'28.59" 90°11'30.63"	PROPOSED MITIGATION AREA PROPOSED MITIGATION AREA
	, ,				
93	3,645,475	227,991	29°07'18.88"	90°11'28.96"	PROPOSED MITIGATION AREA
94 95	3,645,651	228,086	29°07'19.80" 29°07'14.64"	90°11'26.96" 90°11'23.55"	PROPOSED MITIGATION AREA
	3,645,959	227,568			PROPOSED MITIGATION AREA
96	3,646,035	227,174	29°07'10.74"	90°11'22.73"	PROPOSED MITIGATION AREA
97	3,645,941	226,988	29°07'08.90"	90°11'23.81"	PROPOSED MITIGATION AREA
98	3,645,940	226,170	29°07'00.81"	90°11'23.92"	PROPOSED MITIGATION AREA
99	3,646,558	226,169	29°07'00.73"	90°11'16.96"	PROPOSED MITIGATION AREA
100	3,644,681	227,430	29°07'13.41"	90°11'37.97"	PROPOSED MITIGATION AREA
101	3,644,721	227,617	29°07'15.26"	90°11'37.50"	PROPOSED MITIGATION AREA
102	3,644,877	227,950	29°07'18.53"	90°11'35.71"	PROPOSED MITIGATION AREA
103	3,645,064	228,463	29°07'23.60"	90°11′33.54″	PROPOSED MITIGATION AREA
104	3,645,367	229,079	29°07'29.66"	90°11'30.05"	PROPOSED MITIGATION AREA
105	3,645,701	229,446	29°07'33.26"	90°11'26.24"	PROPOSED MITIGATION AREA
106	3,645,721	229,639	29°07'35.17"	90°11'25.99"	PROPOSED MITIGATION AREA
107	3,645,821	229,793	29°07'36.69"	90°11'24.86"	PROPOSED MITIGATION AREA
108	3,645,945	229,909	29°07'37.82"	90°11'23.45"	PROPOSED MITIGATION AREA
109	3,646,024	230,014	29°07'38.85"	90°11'22.54"	PROPOSED MITIGATION AREA
110	3,646,154	230,164	29°07'40.32"	90°11'21.06"	PROPOSED MITIGATION AREA
111	3,646,061	230,303	29°07'41.71"	90°11'22.10"	PROPOSED MITIGATION AREA
112	3,646,271	230,849	29°07'47.09"	90°11'19.66"	PROPOSED MITIGATION AREA
113	3,646,030	230,626	29°07'44.91"	90°11'22.41"	PROPOSED MITIGATION AREA
114	3,645,635	230,135	29°07'40.09"	90°11'26.92"	PROPOSED MITIGATION AREA
115	3,645,273	229,685	29°07'35.67"	90°11'31.04"	PROPOSED MITIGATION AREA
116	3,644,899	229,201	29°07'30.92"	90°11'35.32"	PROPOSED MITIGATION AREA
117	3,645,019	229,063	29°07'29.53"	90°11'33.98"	PROPOSED MITIGATION AREA
118	3,644,935	228,929	29°07'28.22"	90°11'34.94"	PROPOSED MITIGATION AREA
119	3,644,770	229,014	29°07'29.07"	90°11'36.79"	PROPOSED MITIGATION AREA
120	3,644,586	228,645	29°07'25.44"	90°11'38.91"	PROPOSED MITIGATION AREA
121	3,644,549	228,393	29°07'22.95"	90°11'39.35"	PROPOSED MITIGATION AREA
122	3,644,531	228,062	29°07'19.68"	90°11'39.60"	PROPOSED MITIGATION AREA
123	3,644,511	227,911	29°07'18.18"	90°11'39.83"	PROPOSED MITIGATION AREA
124	3,644,501	227,659	29°07'15.69"	90°11'39.97"	PROPOSED MITIGATION AREA

POINT	LOUISIANAS	TATE PLANE	GEOGRAPHICAL		FEATURES/DESCRIPTION
NO.	X= LA-S '83 FT	Y= LA-S '83 FT	LATITUDE	LONGITUDE	LATORES/ DESCRIPTION
125	3,647,388	232,257	29°08'00.92"	90°11′06.92"	PROPOSED MITIGATION AREA
126	3,647,420	232,575	29°08'04.06"	90°11′06.52"	PROPOSED MITIGATION AREA
127	3,647,188	232,505	29°08'03.39"	90°11'09.14"	PROPOSED MITIGATION AREA
128	3,647,236	232,626	29°08'04.59"	90°11'08.58"	PROPOSED MITIGATION AREA
129	3,647,475	232,780	29°08'06.09"	90°11'05.87"	PROPOSED MITIGATION AREA
130	3,647,696	232,979	29°08'08.03"	90°11'03.36"	PROPOSED MITIGATION AREA
131	3,647,931	233,377	29°08'11.96"	90°11'00.66"	PROPOSED MITIGATION AREA
132	3,647,913	233,545	29°08'13.62"	90°11'00.84"	PROPOSED MITIGATION AREA
133	3,647,857	233,655	29°08'14.71"	90°11'01.47"	PROPOSED MITIGATION AREA
134	3,647,845	233,930	29°08'17.43"	90°11'01.57"	PROPOSED MITIGATION AREA
135	3,648,046	233,952	29°08'17.63"	90°10'59.30"	PROPOSED MITIGATION AREA
136	3,648,161	234,262	29°08'20.69"	90°10'57.96"	PROPOSED MITIGATION AREA
137	3,648,397	235,127	29°08'29.23"	90°10'55.21"	PROPOSED MITIGATION AREA
138	3,648,302	235,323	29°08'31.18"	90°10'56.26"	PROPOSED MITIGATION AREA
139	3,648,333	235,473	29°08'32.66"	90°10'55.89"	PROPOSED MITIGATION AREA
140	3,648,430	235,706	29°08'34.96"	90°10′54.78″	PROPOSED MITIGATION AREA
141	3,648,519	235,865	29°08'36.52"	90°10'53.75"	PROPOSED MITIGATION AREA
142	3,648,594	236,120	29°08'39.04"	90°10'52.88"	PROPOSED MITIGATION AREA
143	3,648,633	236,542	29°08'43.21"	90°10′52.38″	PROPOSED MITIGATION AREA
144	3,648,596	236,640	29°08'44.19"	90°10'52.79"	PROPOSED MITIGATION AREA
145	3,648,745	236,859	29°08'46.33"	90°10'51.09"	PROPOSED MITIGATION AREA
146	3,648,752	237,050	29°08'48.23"	90°10′50.99″	PROPOSED MITIGATION AREA
147	3,648,885	237,367	29°08'51.35"	90°10'49.45"	PROPOSED MITIGATION AREA
148	3,648,902	237,713	29°08'54.77"	90°10'49.23"	PROPOSED MITIGATION AREA
149	3,648,979	238,120	29°08'58.80"	90°10'48.30"	PROPOSED MITIGATION AREA
150	3,648,968	238,373	29°09'01.31"	90°10'48.40"	PROPOSED MITIGATION AREA
151	3,648,796	238,410	29°09'01.69"	90°10'50.34"	PROPOSED MITIGATION AREA
152	3,648,735	238,129	29°08'58.91"	90°10'51.06"	PROPOSED MITIGATION AREA
153	3,648,579	237,679	29°08'54.48"	90°10'52.87"	PROPOSED MITIGATION AREA
154	3,648,480	237,402	29°08'51.75"	90°10'54.02"	PROPOSED MITIGATION AREA
155	3,648,409	237,173	29°08'49.48"	90°10'54.84"	PROPOSED MITIGATION AREA
156	3,648,286	236,728	29°08'45.09"	90°10'56.28"	PROPOSED MITIGATION AREA
157	3,648,195	236,463	29°08'42.47"	90°10'57.33"	PROPOSED MITIGATION AREA
158	3,648,079	236,023	29°08'38.13"	90°10'58.69"	PROPOSED MITIGATION AREA
159	3,647,958	235,593	29°08'33.89"	90°11′00.11″	PROPOSED MITIGATION AREA
160	3,648,164	235,246	29°08'30.43"	90°10'57.82"	PROPOSED MITIGATION AREA
161	3,648,075	234,990	29°08'27.91"	90°10′58.85″	PROPOSED MITIGATION AREA
162	3,647,980	234,802	29°08'26.05"	90°10'59.95"	PROPOSED MITIGATION AREA
163	3,647,827	234,702	29°08'25.07"	90°11'01.68"	PROPOSED MITIGATION AREA
164	3,647,596	234,366	29°08'21.77"	90°11'04.33"	PROPOSED MITIGATION AREA
165	3,647,498	233,848	29°08'16.65"	90°11'05.49"	PROPOSED MITIGATION AREA
166	3,647,768	233,761	29°08'15.77"	90°11'02.46"	PROPOSED MITIGATION AREA
167	3,647,827	233,583	29°08'14.01"	90°11'01.82"	PROPOSED MITIGATION AREA
168	3,647,317	233,401	29°08'12.25"	90°11'07.58"	PROPOSED MITIGATION AREA
169	3,647,131	232,859	29°08'06.91"	90°11'09.74"	PROPOSED MITIGATION AREA
170	3,647,040	232,484	29°08'03.20"	90°11'10.80"	PROPOSED MITIGATION AREA
171	3,647,081	232,281	29°08'01.18"	90°11'10.37"	PROPOSED MITIGATION AREA



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REVISIONS					
No.	Description	Date			

PERMITTING ONLY

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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED MITIGATION AREAS

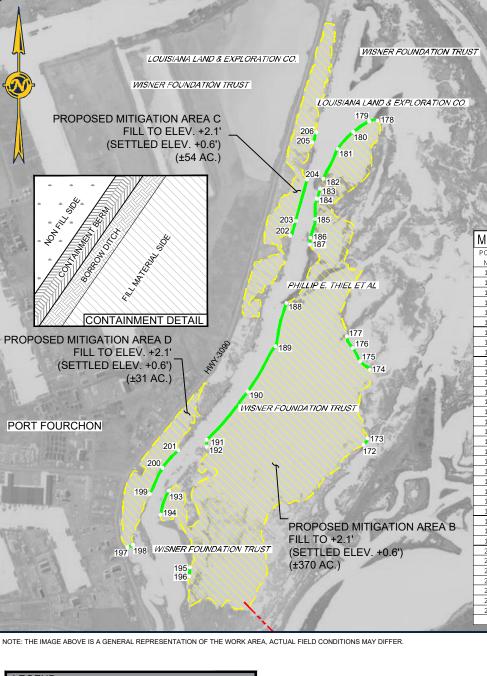
		١
Project number	39130-1320	
Date	November 4, 2022	1
Designed by	A.P. & G.I.S.	
Drawn by	J.M.H.	ľ
Checked by	M.M.	
Checked by	-	8
Plot Date	December 20, 2022	0000
		١.

7

NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.

2,000' 0' 2,000' 4,000'

HORIZONTAL SCALE



EXPECTED IMPACTS:

TOTAL LENGTH OF BERMS: 10.833'

TOTAL AREA OF BORROW DITCHES: 10 ACRES

TOTAL VOLUME OF BORROW DITCHES: 51,947.3 CU. YDS.

TOTAL AREA OF CONTAINMENT BERMS: 11.4 ACRES TOTAL VOLUME OF CONTAINMENT BERMS: 51,947.3 CU. YDS

CONTAINMENT BERMS

NOT TO SCALE TEMP. CONTAINMENT BERM BUILT TO +3.1' ELV. @ 1:5 SLOPE TO BE BLENDED AFTER FILLING 20' 5' NATURAL GROUND -1.0' BERM BORROW DITCH

BERM BORROM DITCH IS LOCATED ON THE INTERIOR OF THE FILL AREA SO THAT IT CAN BE FILLED WITH DREDGE MATERIAL. THIS IS A STANDARD PRACTICE.

-9	MITIC	SATION AI	REAS B,C	,& D TEM	PORARY	CONTAINMENT BE	ERMS
ſ	POINT	LOUISIANA S	STATE PLANE	GEO GRA	PHICAL	FEATURES /DESCRIPTION	SEGMENT
	NO.	X=LA-S '83 FT	Y= LA-S '83 FT	LATITUDE	LONGITUDE	FEATORES/DESCRIPTION	LENGTHS
	172	3,649,591	229,562	29°07'34.02"	90°10'42.38"	TEMP. CONTAINMENT AREA B	183
	173	3,649,668	229,696	29°07'35.34"	90°10'41.49"	TEMP. CONTAINMENT AREA B	103
	174	3,649,718	231,142	29°07'49.64"	90°10'40.76"	TEMP. CONTAINMENT AREA B	
	175	3,649,516	231,313	29°07'51.36"	90°10'43.02"	TEMP. CONTAINMENT AREA B	867
	176	3,649,360	231,593	29°07'54.15"	90°10'44.76"	TEMP. CONTAINMENT AREA B	007
	177	3,649,235	231,838	29°07'56.59"	90°10'46.13"	TEMP. CONTAINMENT AREA B	2
	178	3,649,881	236,363	29°08'41.32"	90°10'38.34"	TEMP. CONTAINMENT AREA B	
d	179	3,649,704	236,349	29°08'41.20"	90°10'40.34"	TEMP. CONTAINMENT AREA B	l i
A	180	3,649,371	236, 125	29°08'39.02"	90° 10'44. 11"	TEMP. CONTAINMENT AREA B	1,768
ď	181	3,649,042	235,768	29°08'35.51"	90°10'47.87"	TEMP. CONTAINMENT AREA B	
Ñ	182	3,648,741	235, 147	29°08'29.39"	90°10'51.33"	TEMP, CONTAINMENT AREA B	
H	183	3,648,675	234,933	29°08'27.28"	90° 10′ 52. 10″	TEMP. CONTAINMENT AREA B	
	184	3,648,607	234,727	29°08'25.25"	90°10'52.89"	TEMP. CONTAINMENT AREA B	
8	185	3,648,571	234,302	29°08'21.05"	90°10'53.34"	TEMP. CONTAINMENT AREA B	1,185
	186	3,648,468	233,908	29°08'17.16"	90°10'54.54"	TEMP. CONTAINMENT AREA B	
	187	3,648,459	233,766	29°08'15.75"	90°10'54.66"	TEMP. CONTAINMENT AREA B	
	188	3,647,965	232,534	29°08'03.61"	90°11'00.37"	TEMP. CONTAINMENT AREA B	
d	189	3,647,736	231,633	29°07'54.71"	90°11'03.06"	TEMP. CONTAINMENT AREA B	
12	190	3,647,151	230,679	29°07'45.32"	90°11'09.76"	TEMP. CONTAINMENT AREA B	3,525
	191	3,646,292	229,664	29°07'35.36"	90°11'19.56"	TEMP. CONTAINMENT AREA B	
77	192	3,646,292	229,523	29°07'33.97"	90°11'19.58"	TEMP. CONTAINMENT AREA B	1
Ú	193	3,645,501	228,599	29°07'24.89"	90°11'28.59"	TEMP, CONTAINMENT AREA B	535
	194	3,645,326	228,097	29°07'19.95"	90°11'30.63"	TEMP. CONTAINMENT AREA B	333
ú	195	3,645,941	226,988	29°07'08.90"	90°11'23.81"	TEMP. CONTAINMENT AREA B	172
1	196	3,645,925	226,808	29°07'07.13"	90°11'24.01"	TEMP. CONTAINMENT AREA B	1/2
	197	3,644,633	227,416	29°07'13.27"	90°11'38.51"	TEMP. CONTAINMENT AREA D	143
	198	3,644,748	227,460	29°07'13.70"	90°11'37.21"	TEMP. CONTAINMENT AREA D	145
	199	3,645,101	228,532	29°07'24.27"	90°11'33.11"	TEMP. CONTAINMENT AREA D	
ľ	200	3,645,367	229,079	29°07'29.66"	90°11'30.05"	TEMP. CONTAINMENT AREA D	1,103
	201	3,645,701	229,446	29°07'33.26"	90°11'26.24"	TEMP. CONTAINMENT AREA D	1
	202	3,648,046	233,952	29°08'17.63"	90°10'59.30"	TEMP. CONTAINMENT AREA C	
	203	3,648,161	234, 262	29°08'20.69"	90°10'57.96"	TEMP. CONTAINMENT AREA C	1,126
	204	3,648,397	235, 127	29°08'29.23"	90°10'55.21"	TEMP. CONTAINMENT AREA C] [
	205	3,648,505	235,912	29°08'36.99"	90°10'53.90"	TEMP. CONTAINMENT AREA C	226
	206	3,648,594	236,120	29°08'39.04"	90°10'52.88"	TEMP. CONTAINMENT AREA C	226
		T	OTALLENGTH C	F TEMPORARY O	CONTAINMENT	BERMS	10,833

Coastal Design & Infrastructure 197 Elysian Drive Houma, LA 70363

O: (985) 219-1000 | F: (985) 475-7014

REVISIONS

REVISIONS					
No.	Description	Date			

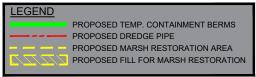
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

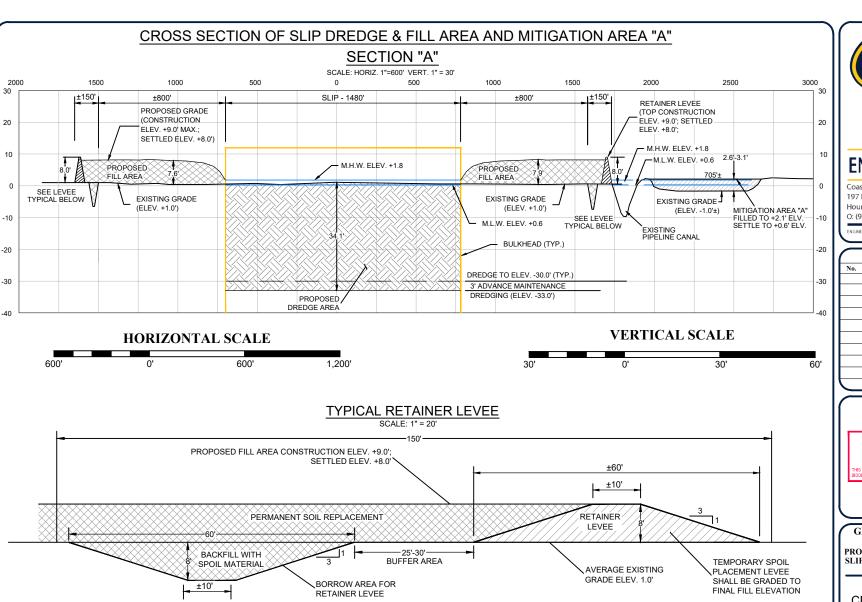
PHASE I CONTAINMENT BERMS

Project number	39130-1320
Date	November 4, 2022
Designed by	A.P. & G.I.S.
Drawn by	J.M.H.
Checked by	M.M.
Checked by	-
Plot Date	December 20, 2022

8



2,000' 2,000' 4,000' HORIZONTAL SCALE



NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.



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REVISIONS		
No.	Description	Date

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PHASE I CROSS SECTION "A" SLIP, SITE FILL, & RETAINER LEVEE

HORIZONTAL SCALE

20'

40'

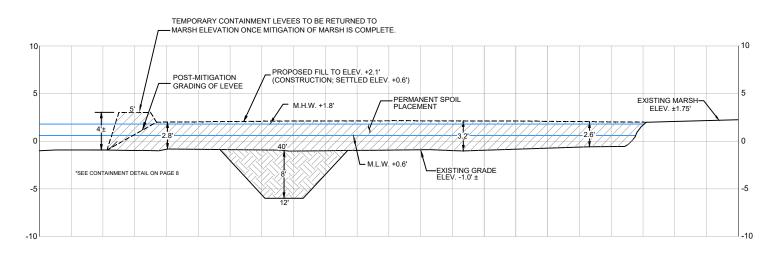
0'

20'

1 (= 1) (11 (_, 、	ŭ
Project number	39130-1320	Sen
Date	November 4, 2022	162
Designed by	A.P. & G.I.S.	Fourthon\1162
Drawn by	J.M.H.	onic
Checked by	M.M.	Port
Checked by	-	
Plot Date	December 20, 2022	+\GIPC-

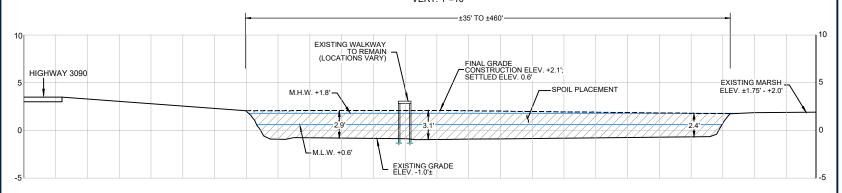
MITIGATION AREA B SECTION

SCALE: HORIZ. 1"=30' VERT. 1"=10'

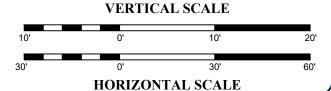


TYPICAL MITIGATION AREAS C&D ALONG LA HWY 3090 SECTION

SCALE: HORIZ. 1"=30' VERT. 1"=10'



 ${\tt NOTE: THE\ IMAGE\ ABOVE\ IS\ A\ GENERAL\ REPRESENTATION\ OF\ THE\ WORK\ AREA,\ ACTUAL\ FIELD\ CONDITIONS\ MAY\ DIFFER.}$





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No.	Description	Date

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PHASE I CROSS SECTIONS MITIGATION AREAS

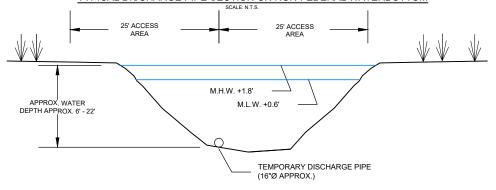
Project number 39130-1320 Date November 4, 2022 Designed by A.P. & G.I.S. Drawn by J.M.H. Checked by M.M. Checked by Obscience of the Checked		
Designed by A.P. & G.I.S. Drawn by J.M.H. Checked by M.M. Checked by	Project number	39130-1320
Drawn by J.M.H. Checked by M.M. Checked by -	Date	November 4, 2022
Checked by M.M. Checked by -	Designed by	A.P. & G.I.S.
Checked by -	Drawn by	J.M.H.
	Checked by	M.M.
Plot Date December 20, 2022	Checked by	-
	Plot Date	December 20, 2022

APPROX. WATER DEPTH 22' M.H.W. +1.8' M.L.W. +0.6' ALCESS AREA M.H.W. +0.6'

TYPICAL DISCHARGE PIPE SECTION ON NON-FEDERAL WATERBOTTOM

TEMPORARY DISCHARGE PIPE

(16"Ø APPROX.)



TYPICAL DISCHARGE PIPE SECTION OVER LAND SCALE: 1" = 10"

25' ACCESS AREA

25' ACCESS AREA

EXISTING GRADE ELEV. ±1.5'

TEMPORARY DISCHARGE PIPE (16"Ø APPROX.)

 ${\tt NOTE: THE\ IMAGE\ ABOVE\ IS\ A\ GENERAL\ REPRESENTATION\ OF\ THE\ WORK\ AREA,\ ACTUAL\ FIELD\ CONDITIONS\ MAY\ DIFFER.}$





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No.	Description	Date

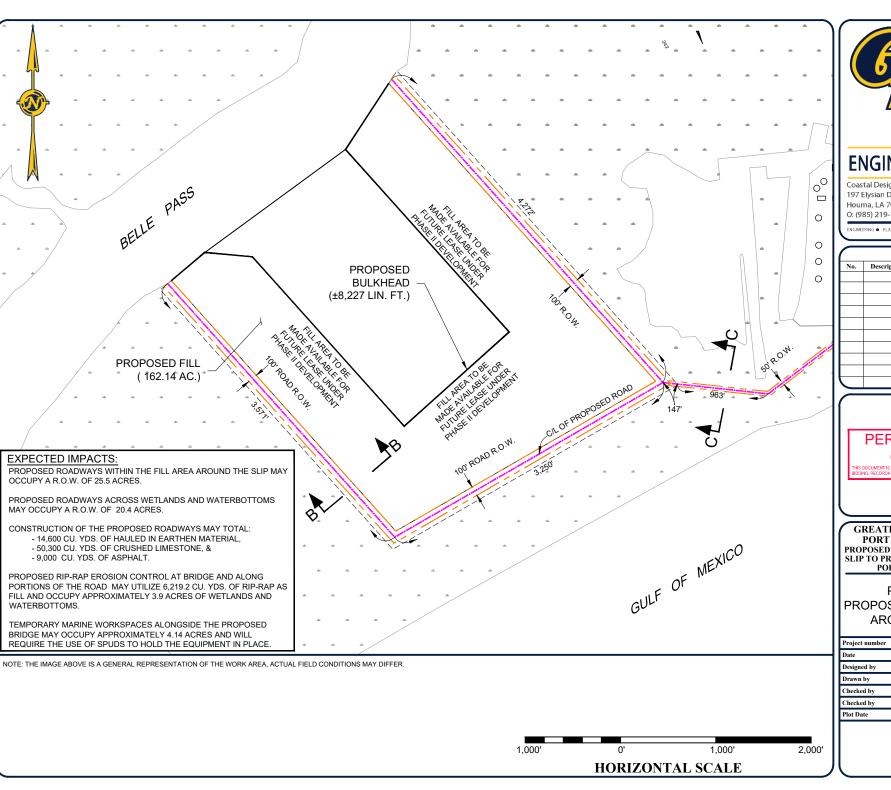
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I DISCHARGE PIPE TYPICALS

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ı	Project number	39130-1320	ا ق
Н	Date	November 4, 2022	163
ı	Designed by	A.P. & G.I.S.	Fourthon\1162
ı	Drawn by	J.M.H.	3
ı	Checked by	M.M.	į
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ı	Plot Date	December 20, 2022	- DG I DC-
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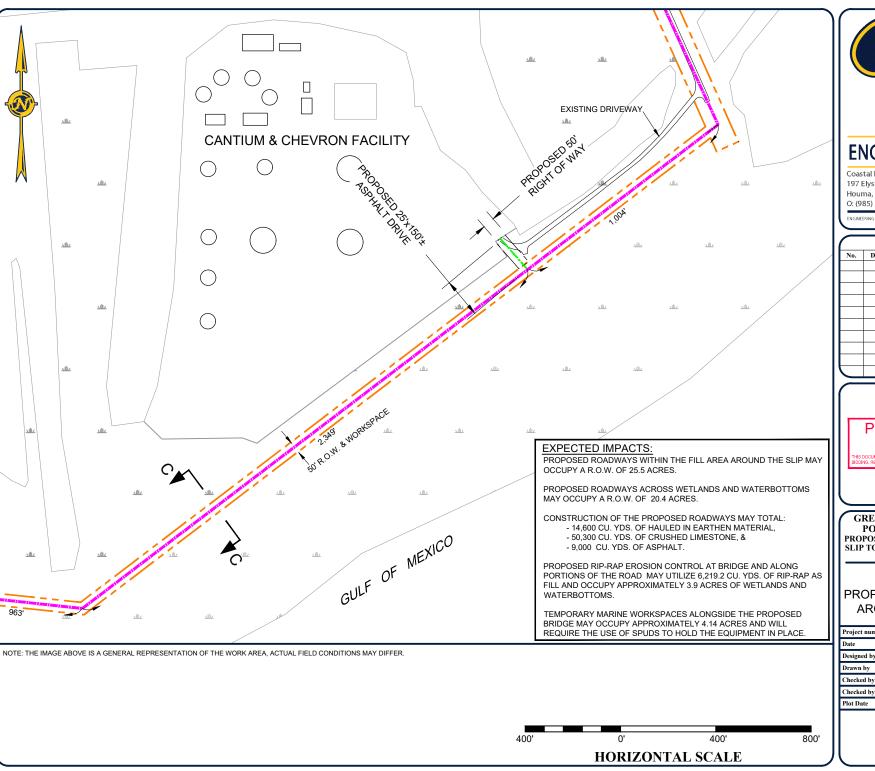
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED ROADWAY AROUND SLIP

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Project number	39130-1320	į
Date	November 4, 2022	183
Designed by	A.P. & G.I.S.	Fourthon\1162
Drawn by	J.M.H.	3
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Plot Date	December 20, 2022	001014





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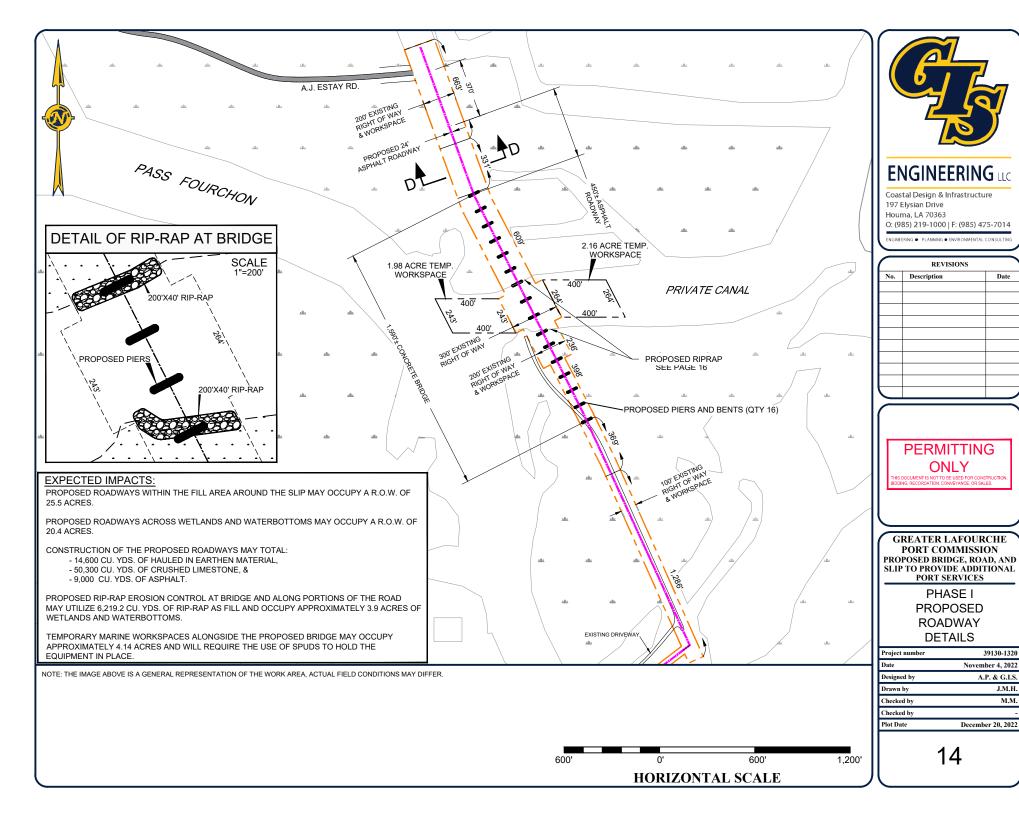
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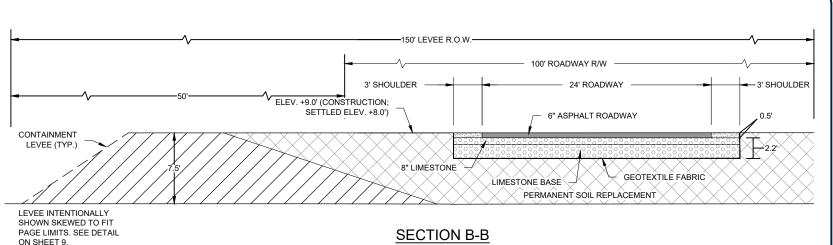
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED ROADWAY AROUND FACILITY

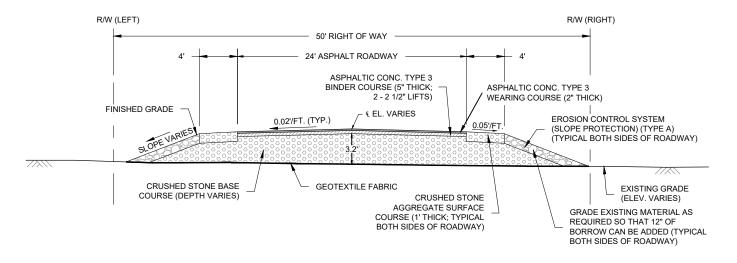
Project number	39130-1320
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Designed by	A.P. & G.I.S.
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Checked by	M.M.
Checked by	-
Plot Date	December 20, 2022





SECTION B-B TYPICAL ROAD SECTION AT PROPOSED SLIP

SCALE: 1" = 10'



SECTION C-C TYPICAL NEW ROADWAY SECTION

SCALE: 1" = 10'

NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.





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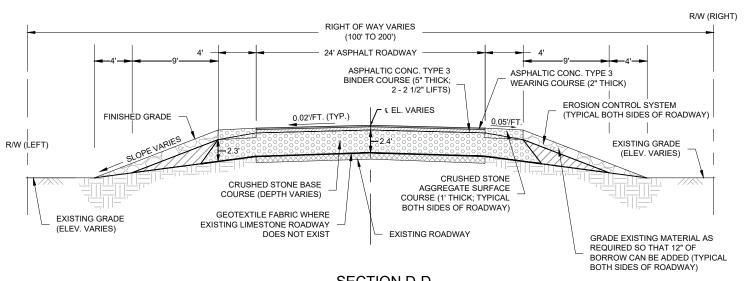
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

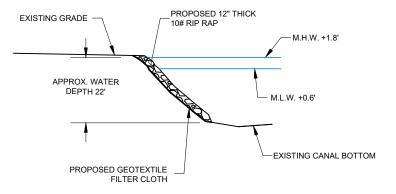
PHASE I PROPOSED ROADWAY **TYPICALS & SECTIONS**

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ı	Project number	39130-1320	
┨	Date	November 4, 2022	
ı	Designed by	A.P. & G.I.S.	ľ
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ı	Checked by	M.M.	ľ
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ı	Plot Date	December 20, 2022	
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SECTION D-D TYPICAL ROADWAY SECTION AT EXISTING ROADWAY

SCALE: 1" = 10'



TYPICAL RIPRAP SECTION

SCALE: N.T.S.

NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.





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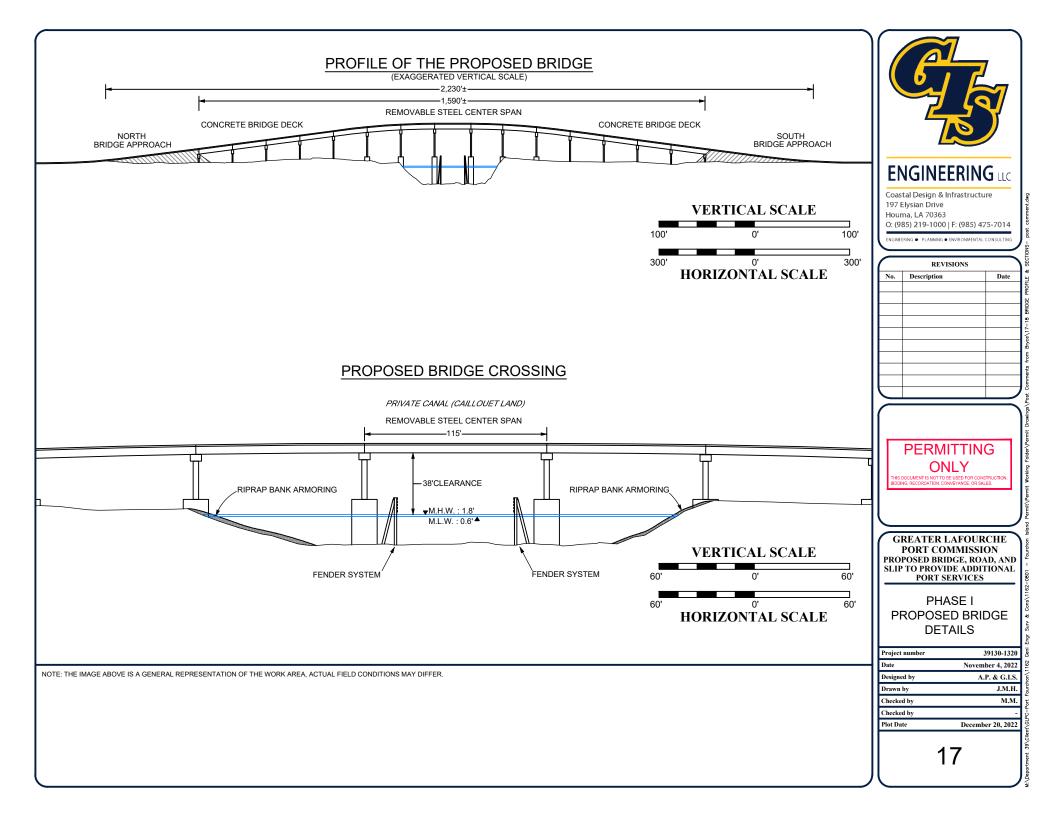
GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED ROADWAY TYPICALS & SECTIONS

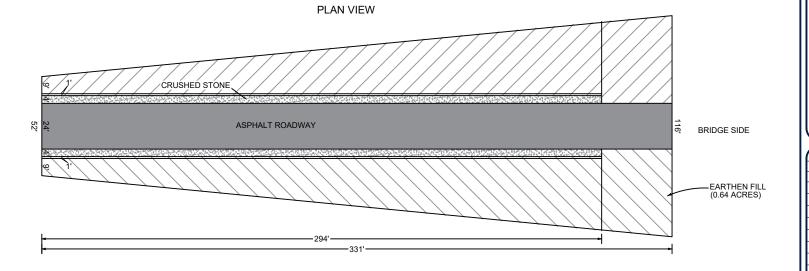
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ı	Designed by	A.P. & G.I.S.	Fourthon\1162
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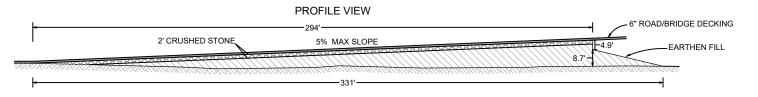
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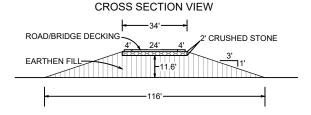
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NORTH BRIDGE APPROACH







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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED BRIDGE DETAILS

Project number	39130-1320
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Drawn by	J.M.H.
Checked by	M.M.
Checked by	-
Plot Date	December 20, 2022

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SOUTH BRIDGE APPROACH **PLAN VIEW** CRUSHED STONE BRIDGE SIDE 8 ASPHALT ROADWAY 22 24 EARTHEN FILL-(0.67 ACRES) PROFILE VIEW 6" ROAD/BRIDGE DECKING. 2' CRUSHED STONE 5% MAX SLOPE EARTHEN FILL--12.3' CROSS SECTION VIEW ROAD/BRIDGE DECKING 2' CRUSHED STONE EARTHEN FILL NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER. 100' HORIZONTAL SCALE



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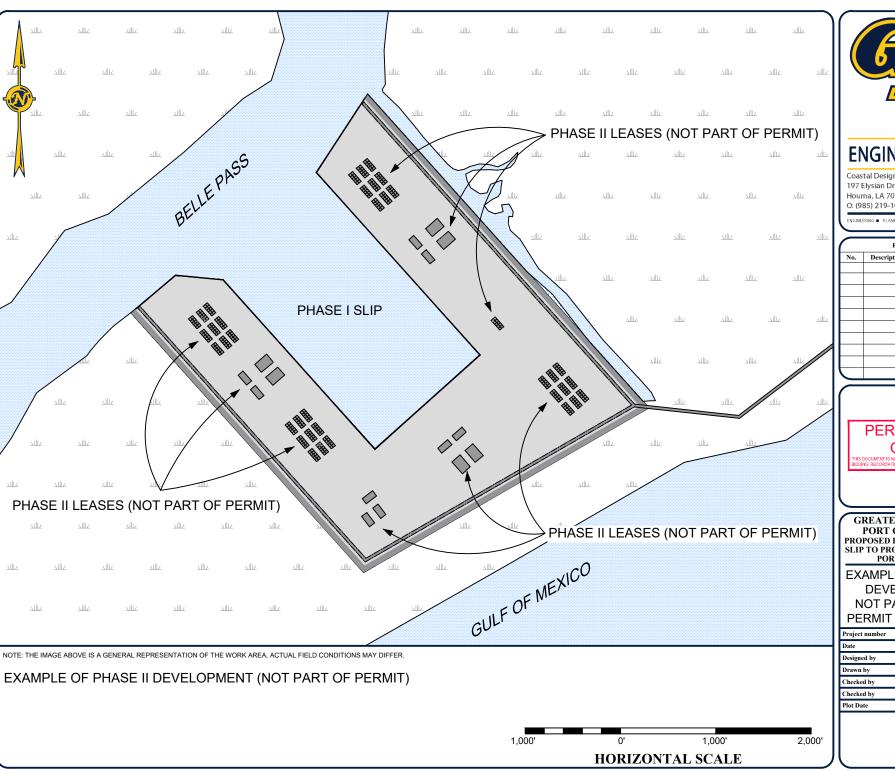
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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROPOSED BRIDGE DETAILS

39130-1320
November 4, 2022
A.P. & G.I.S.
J.M.H.
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December 20, 2022





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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

EXAMPLE OF PHASE II DEVELOPMENT NOT PART OF THIS PERMIT APPLICATION

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Checked by	-
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PHASE I PROJECT NOTES

- The proposed slip is approximately 91.2 acres and is estimated to require the removal of 5,017,657.9 cubic yards of material.
- The retaining levees around the proposed fill area adjacent to the slip are expected to occupy 15.7 acres and utilize 116,169 cubic yards of material.
- Interior borrow ditches are to be dug to obtain material for the retaining levees. These ditches are expected to occupy 15.2 acres and provide 116,169 cubic yards of material.
- Approximately 198.1 acres are to be filled in around the proposed slip for future Phase II development as port facilities. This fill portion is expected to require 2,476,770.3 cubic yards of material.
- Four mitigation areas are to be part of this project to restore area marsh. The four mitigation areas are expected to total 513.1 acres and will require approximately 2,370,914.7 cubic yards of material.
- Approximately 10,892' of retaining levees are to be constructed for some portions of the mitigation areas. These berms are expected to occupy 11.5 acres of existing waterbottoms and require 51,947.3 cubic yards of material. The borrow areas for these berms are expected to require 10.1 acres of existing waterbottoms and provide 51,947.3 cubic yards of material.
- 22,812 feet of dredge discharge pipe with a 50' workspace is to be required, thus temporarily affecting 26.18 acres of wetlands and waterbottoms. Approximately 183 cubic yards of water bottom material maybe temporarily displaced by jetting across the federal channel of Pass Fourchon.
- The proposed roadways leading to the proposed slip are expected to occupy 24.24 acres.
- The proposed roadways around the proposed slip are expected to occupy 20.81 acres. The footprint for this is already accounted for in the footprint for the fill area around the slip.
- Construction of these proposed roadways are expected to require:

14,600 cubic yards of hauled in earthen material

50,300 cubic yards of crushed limestone

9,000 cubic yards of asphalt

- Proposed rip-rap erosion control at the bridge site and roads may utilize 6,219.2 cubic yards of rip-rap and occupy approximately 3.9 acres of wetlands and waterbottoms.
- Temporary marine workspaces alongside the proposed bridge may occupy 4.14 acres and will require the use of spuds to hold the equipment in place during construction activities.
- A complete breakdown of the Joint Permit Application Steps 5 and 11 are included on the following page.

NDSI Notes

- As-built drawings and/or plats shall have written on them the date of completion of said activities and shall be submitted to the Louisiana Department of Natural Resources, Office of Coastal Management, P. O. Box 44487, Baton Rouge, LA 70804-4487 within 30 days following project completion.
- All structures built under the authorization and conditions of this permit shall be removed from the site within 120 days of abandonment of the facilities for the
 herein permitted use, or when these structures fall into a state of disrepair such that they can no longer function as intended. This condition does not preclude the
 necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required, for such removal activities.
- Structures must also be marked/lighted in accordance with U. S. Coast Guard regulations.
- In order to ensure the safety of all parties, the permittee shall contact the Louisiana One Call System (1-800-272-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.

NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.



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GREATER LAFOURCHE PORT COMMISSION PROPOSED BRIDGE, ROAD, AND SLIP TO PROVIDE ADDITIONAL PORT SERVICES

PHASE I PROJECT NOTES

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ITEMIZED BREAKDOWN OF EXCAVATIONS AND FILL AREAS AND THE CALCULATION OF JOINT PERMIT APPLICATION STEPS 5 &11 ITEMS

SLIP SITE AND MITIGATION AREA "A" EXCAVATIONS (PAGE 3)				
ITEM	FEATURE	ACRES	CU. YDS.	
E1	PROPOSED SLIP	91.2	5,017,657.9	
E2	CONTAINMENT LEVEE BORROW DITCH AT SLIP SITE	15.2	116,169.0	
E3	MITIGATION AREA "A" CONTAINMENT BORROW DITCH	0.1	618.6	
E4	MITIGATION AREAS "B," "C" & "D" BORROW DITCH	10.0	51,947.3	

SLIP SITE AND MITIGATION AREA FILLS (PGS 3, 6-10)				
ITEM	FEATURE	ACRES	CU. YDS.	
F1	FILL AREA AROUND PROPOSED SLIP	198.1	2,476,770.3	
F2	CONTAINMENT LEVEE AROUND SLIP FILL AREA	15.7	116,169.0	
F3	BORROW DITCH FOR SLIP CONTAINMENT LEVEE	15.2	116,169.0	
F4	MITIGATION AREA "A" CONT. BORROW DITCH	0.1	618.6	
F5	MITIGATION AREA "A" CONTAINMENT LEVEE	0.1	637.7	
F6	MITIGATION AREA "A" FILL	59.4	273,076.4	
F7	MITIGATION AREA "B," "C," "D," CONT. BORROW DITCHES	10.0	51,947.3	
F8	MITIGATION AREA "B," "C," "D," CONTAINMENT LEVEES	11.4	51,947.3	
F9	MITIGATION AREA "B" FILL	370.0	1,724,484.1	
F10	MITIGATION AREA "C" FILL	53.0	237,035.8	
F11	MITIGATION AREA "D" FILL	30.7	136,318.4	

ROADWAT FILES (FG3 3, 3, 12-18)			
ITEM	FEATURE	ACRES	CU. YDS.
RF1	ROADS AT SLIP R.O.W.	25.5	-
RF2	ROAD TO BRIDGE & SLIP R.O.W.	20.4	-
RF3	HAULED IN EARTHEN ROAD FILL	4.2	14,600.0
RF4	CRUSHED STONE ROAD FILL	13.5	50,300.0
RF5	ASPHALT ROAD FILL	10.7	9,000.0
RF6	RIP-RAP EROSION CONTROL FOR ROADS	3.9	6,219.2
		•	

ROADWAY FILLS (PGS 3 5 12-18)

TEMPORARY IMPACTS FROM ACCESS (PGS 3, 5, & 14)			
ITEM	FEATURE	ACRES	CU. YDS.
TI1	ACCESS TO INSTALL DREDGE PIPE ACROSS MARSH	6.6	0
TI2	ACCESS TO INSTALL DREDGE PIPE IN AREAS OF WATER	19.58	0
TI3	MARINE WORKSPACES	4.14	0
T14	JETTING OF DREDGE PIPE ACROSS FEDERAL CHANNEL	0.03	183

PERMIT APPLICATION STEP 5A EXCAVATIONS		
CALCULATION	ACRES	CU . YDS.
E1+E2+E3+E4+T14	116.5	5,186,575.9
PERMIT APPLICATION STEP 5B FILL		
VOLUME CALCULATION		CU . YDS.
SUM OF(F1:F11) + (RF3:RF6)+T14		5,265,476.1
AREA CALCULATION		ACRES
F1+F2+F5+F6+F8+F9+F10+F11+RF2:RF6+T14		791.1

NOTE: SOME ITEMS OF FILL ARE NOT INCLUDED IN THE AREA CALCULATION BECAUSE OF DUPLICATION OF A FOOTPRINT. E.G. THE FILL AREA AT THE SLIP ALREADY INCLUDES THE ACREAGE DESIGNATED TO THE BORROW DITCH AND ROAD.

PERMIT APPLICATION STEP 5C FILL			
MATERIAL	CALCULATION	CU. YDS.	
CRUSHED STONE	RF4	50,300.0	
ROCK/RIP-RAP	RF6	6,219.2	
ASPHALT	RF5	9,000.0	
HAULED-IN DIRT	RF3	14,600.0	
EXCAV- ON SITE	SUM OF F1:F11+T14	5,185,356.9	
EXCAV- HAUL OFF	0	0	
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NOTE: SOME ITEMS OF FILL OR EXCAVATION ARE NOT INCLUDED IN THIS TOTAL AREA CALCULATION BECAUSE OF DUPLICATION OF A FOOTPRINT. E.G. THE FILL AREA AT THE SLIP ALREADY INCLUDES THE ACREAGE DESIGNATED TO A BORROW DITCH AND ROAD.



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GREATER LAFOURCHE
PORT COMMISSION
PROPOSED BRIDGE, ROAD, AND
SLIP TO PROVIDE ADDITIONAL
PORT SERVICES

PHASE I
CALCULATIONS TO
SUPPORT STEPS 5 &11
OF APPLICATION

Project number	39130-1320
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