



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

March 4, 2024

Regulatory Division
Western Evaluation Branch

Project Manager:
Johnny J. Duplantis
(504) 862-2548
johnny.j.duplantis@usace.army.mil
Application #: MVN-2023-01112-WPP

PUBLIC NOTICE

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

PROPOSED MERMENTAU BASIN INUNDATION RELIEF PROJECT IN CAMERON AND VERMILION PARISHES

NAME OF APPLICANT: Cameron Parish Police Jury, c/o: C.H. Fenstermaker & Associates, 445 North Blvd., Suite 650, Baton Rouge, Louisiana 70802.

LOCATION OF WORK: Near Rockefeller Wildlife Refuge, in Cameron and Vermilion Parishes, Louisiana, (centered at lat. 29.706942, long. -92.699797), as shown within the enclosed drawings. Hydrologic Unit Code 08080202, Mermentau Watershed.

CHARACTER OF WORK: Proposed mechanical dredging and excavation of five drainage canals, cleaning of existing drainage structures under LA Highway 82, and construct an earthen terrace. The excavation of the five drainage channels would consist of excavating vegetated wetlands and water bottoms in areas designated as plugs, preventing the flow of water. Excavated material would be placed in designated disposal areas within the marsh not to exceed +0.5 feet above existing grade. The rehabilitation of existing drainage structures under LA Highway 82 would consist of removing debris from each indicated culvert would be cleared to allow for flow of water. There would be one earthen terrace constructed within Rockefeller Refuge, near Joseph's Harbor and the East End Locks. The proposed project is necessary to allow water to flow South of LA Highway 82, through Rockefeller Refuge, and the Gulf of

Mexico. The proposed project would reduce flooding North of LA Highway 82 during periods of high rainfall and natural disasters. The proposed permanent and temporary impacts to vegetated wetlands as described on page 17 of the attached drawings be mitigated off-site as necessary, with one on-site mitigation component for consideration. Excavated material for the proposed terrace would be placed in open water areas indicated in the plan set as part of marsh creation. The terrace is proposed to create 0.39 acres of marsh. If a Department of the Army permit is found to be in the public interest, for permanent impacts to wetlands and should it be determined that temporary impacts to jurisdictional wetlands persist following a one-year growing season, the applicant has proposed to mitigate wetland impacts at an approved and acceptable mitigation bank or banks within the N.O. District.

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 Engineer's project manager listed above or forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, RGW, Johnny Duplantis**. 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 Branch Chief will review the request and the requester 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. 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 permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

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

The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. As deemed necessary, copies of this public notice will be sent to the State Archeologist, State Historic Preservation Officer, and federally listed tribes regarding potential impacts to cultural resources.

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 habitat known to be utilized by the Western Manatee (*Trichechus manatus*) and the Eastern Black Rail (*Laterallus jamaicensis* ssp. *jamaicensis*), and determined that the activity is not likely to adversely affect these species. If the DA permit is approved, the permittee will be required to follow the IPaC mitigative conditions for the Western Manatee (*Trichechus manatus*) and the Eastern Black Rail (*Laterallus jamaicensis* ssp. *jamaicensis*).

Our initial finding is that the proposed work would have no effect on any species listed as endangered by the U.S. Department of Commerce, nor affect any habitat designated as critical to the survival and recovery of any such species.

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 **6.6 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 Louisiana Department of Environmental Quality before a*

Department of the Army permit could be issued.

Any person may request 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, and can be preferably emailed to the USACE project manager listed above or mailed to the address listed above.

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 Department of Natural Resource's Coastal Resources Program (Application # P20230601). 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 Louisiana 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.

Darrell S. Barbara
Chief, Western Evaluation Branch
Regulatory Division

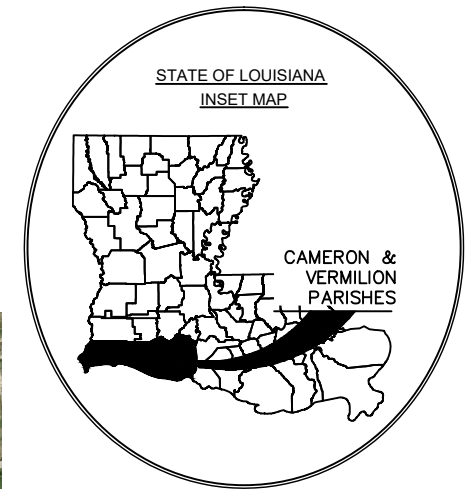
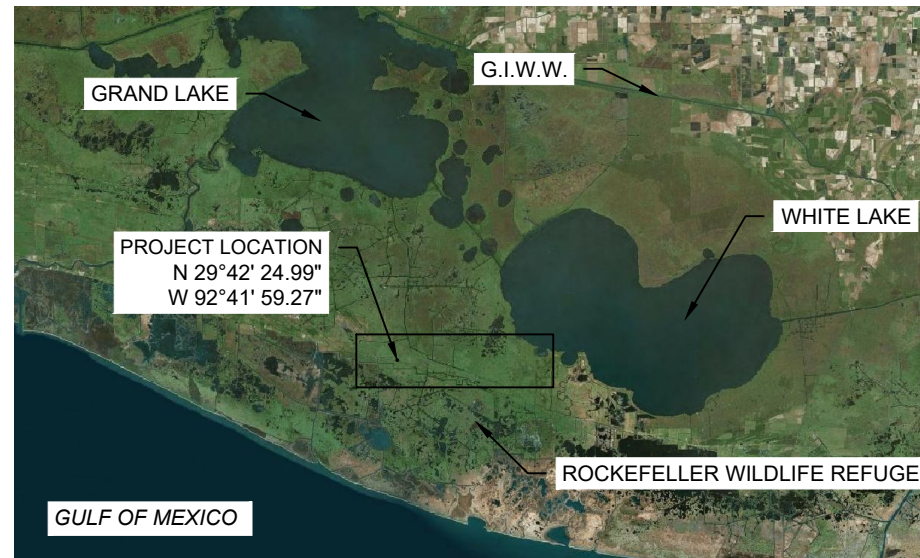
Enclosure

CAMERON PARISH POLICE JURY

MERMENTAU BASIN INUNDATION RELIEF PROJECT CAMERON & VERMILION PARISHES, LOUISIANA PERMIT PLATS

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DESIGN NOTES

ALL ELEVATIONS ARE GIVEN IN U.S. SURVEY FEET REFERENCED TO NAVD88 GEOID 12B. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH U.S. FEET).

Scale: 1" = 50,000'

50,000' 0 25,000' 50,000'



*Not to be used for construction,
bidding, recordation, conveyance,
sales, or engineering design.*

PRELIMINARY

Daniel Dehon
Professional Engineer
Registration No. 40161

NOTE: THESE PLANS ARE INTENDED
EXCLUSIVELY FOR THE PURPOSE OF
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COMPLIANCE PERMITS AND ARE NOT
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www.fenstermaker.com

CAMERON PARISH POLICE JURY MERMENTAU BASIN INUNDATION RELIEF PROJECT CHANNEL IMPROVEMENTS TITLE SHEET CAMERON PARISH, LOUISIANA

DRAWN BY: HJS	REVISIONS		
PROJ. MGR.: DDD	No. #	DATE:	REVISED BY:
DATE: 2023/12	No. #	DATE:	REVISED BY:
FILENAME: T:\2021\2213624\ENVIRONMENTAL\02_Technical\06_CAD			

SHEET 02 OF 17 SHEETS

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING VEGETATED WETLANDS EXTERNAL TO THE PROJECT SITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR REPRESENTATIVE SHALL MONITOR THE CONTRACTOR'S LOCATION DURING CONSTRUCTION.
3. THE EQUIPMENT SHALL ACCESS THE PROJECT SITE THROUGH NAVIGABLE WATERWAYS AND SHALL NOT DISTURB EXISTING WATER BOTTOMS UNLESS OTHERWISE NOTED. EQUIPMENT WILL INGRESS AND EGRESS WITHIN IDENTIFIED CHANNELS AND SHALL NOT TRACK NOR DISTURB MARSH.
4. PIPELINES AND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND MARK ALL PIPELINES AND UTILITIES LOCATED WITHIN 150FT. OF THE WORK PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THESE MARKERS DURING CONSTRUCTION.
5. PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS BINDING IF REQUIRED BY ALL. CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT DOCUMENTS, WILL BE ISSUED BY THE ENGINEER.
6. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR PLACING ALL EXCAVATED MATERIAL WITHIN THE BOUNDARIES OF THE SPOIL PLACEMENTS AREAS. ALL DISPLACED SPOIL MATERIAL SHALL BE RETURNED AT NO COST TO THE OWNER
8. MAXIMUM DRAFT OF VESSELS TO BE UTILIZED FOR THIS PROJECT SHALL NOT EXCEED 3.0'.
9. THE CONTRACTOR SHALL ADHERE TO THE MOST CURRENT PUBLICATION OF "RECOMMENDED BEST PRACTICES GUIDE FOR SAFE DREDGING NEAR UNDERWATER GAS & HAZARDOUS LIQUID PIPELINES", DEVELOPED BY THE COUNCIL FOR DREDGING AND MARINE CONSTRUCTION SAFETY, WWW.CDMCS.ORG, AND "WORKING SAFELY NEAR UNDERWATER PIPELINES", DEVELOPED BY COASTAL AND MARINE OPERATORS PIPELINE INDUSTRY INITIATIVE (CAMO) AND THE LAKE PONTCHARTRAIN BASIN FOUNDATION (LPBF), WWW.CAMOGROUP.ORG/DOWNLOADS/.
10. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) GEOID 12B U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET).
11. CHANNEL 1 HAS BEEN REMOVED FROM THE DESIGN.

NOTIFICATIONS:

1. THE CONTRACTOR SHALL NOTIFY LOUISIANA ONE CALL AT 1-800-272-3020 TO LOCATE PIPELINES AND UTILITIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK. THE CONTRACTOR SHALL ALSO NOTIFY THE FOLLOWING PIPELINE AND UTILITY OPERATOR AT LEAST FIVE (5) WORKING DAYS PRIOR TO PERFORMING THE WORK:

COLUMBIA GULF TRANSMISSION COMPANY (TC ENERGY)
CONTACT: 1-800-876-4568

KINETICA PARTNERS, LLC
CONTACT: (985) 223-6165

2. THE CONTRACTOR SHALL NOT ANCHOR OR SPUD WITHIN 50' OF THE PIPELINE. THE PIPELINE SHALL BE CLEARLY MARKED WITH CANE POLES OR PVC PIPE AND BUOYS THROUGHOUT THE DURATION OF WORK. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE MARKERS WEEKLY.

NOTE: THESE PLANS ARE INTENDED EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ENVIRONMENTAL COMPLIANCE PERMITS AND ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES OR ENGINEERING DESIGN.



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PRELIMINARY

Daniel Dehon
Professional Engineer
Registration No. 40161

CAMERON PARISH POLICE JURY MERMENTAU BASIN INUNDATION RELIEF PROJECT CHANNEL IMPROVEMENTS GENERAL NOTES CAMERON PARISH, LOUISIANA

DRAWN BY: HJS	REVISIONS		
PROJ. MGR.: DDD	No. #	DATE:	REVISED BY:
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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
VICINITY MAP
CAMERON PARISH, LOUISIANA

DRAWN BY: HJS	REVISIONS		
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CHANNEL 2				
	CUT VOLUME	HISTORIC CHANNEL EXCAVATION	EXCAVATED WATER BOTTOMS	SPOIL PLACEMENT *
	(CY)	(ACRE)	(ACRE)	(ACRE)
CUT 1	140	0.02	0.00	0.10

* SPOIL PLACEMENT AREAS ARE CONSIDERED TEMPORARY IMPACTS

CHANNEL 2		
Point #	LATITUDE	LONGITUDE
2-1-A	N029° 43' 14.27"	W092° 43' 47.72"
2-1-B	N029° 43' 14.87"	W092° 43' 48.10"



LEGEND

- SPOIL PLACEMENT
 EXCAVATION
 CHANNEL CUT BOUNDARY

NOTE:

1. SPOIL PLACEMENT AREAS NOT TO EXCEED +0.5 FT ABOVE NATURAL GRADE.
2. WHERE PRACTICAL, SPOIL MATERIAL TO BE PLACED IN OPEN WATER, NON-VEGETATED AREAS TO MINIMIZE IMPACTS.
3. CHANNEL 2 IS AN HISTORIC CHANNEL THAT HAS SEEN SEDIMENT DEPOSITS AT THE MOUTH OF THE CHANNEL. THE SCOPE OF EXCAVATION IS TO RESTORE THE CAPACITY OF THE CHANNEL TO PRE-SEDIMENTATION CONDITIONS. THE TOTAL AREA OF EXCAVATED MATERIAL FOR CHANNEL 2 IS 0.02 ACRES.

Scale: 1" = 100



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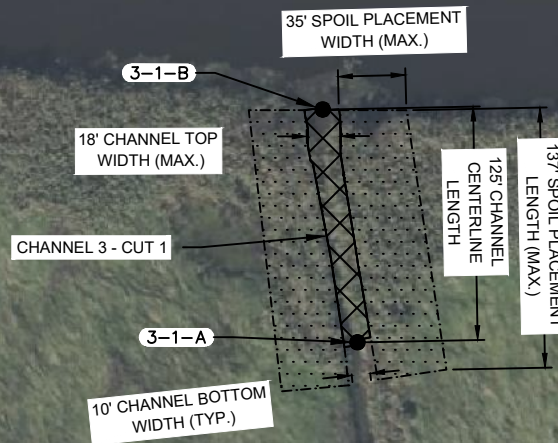
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MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
CHANNEL 2
CAMERON PARISH, LOUISIANA

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CHANNEL 3		
POINT	LATITUDE	LONGITUDE
3-1-A	N029° 43' 07.90"	W092° 43' 04.33"
3-1-B	N029° 43' 09.10"	W092° 43' 04.56"

CHANNEL 3				
	CUT VOLUME	HISTORIC CHANNEL EXCAVATION	EXCAVATED WATER BOTTOMS	SPOIL PLACEMENT *
	(CY)	(ACRE)	(ACRE)	(ACRE)
CUT 1	160	0.04	0.00	0.23

* SPOIL PLACEMENT AREAS ARE CONSIDERED TEMPORARY IMPACTS

LEGEND

- SPOIL PLACEMENT
 EXCAVATION
 CHANNEL CUT BOUNDARY

NOTE:

1. SPOIL PLACEMENT AREAS NOT TO EXCEED +0.5 FT ABOVE NATURAL GRADE.
2. WHERE PRACTICAL, SPOIL MATERIAL TO BE PLACED IN OPEN WATER, NON-VEGETATED AREAS TO MINIMIZE IMPACTS.
3. CHANNEL 3 IS AN HISTORIC CHANNEL THAT HAS SEEN SEDIMENT DEPOSITS AT THE MOUTH OF THE CHANNEL. THE SCOPE OF EXCAVATION IS TO RESTORE THE CAPACITY OF THE CHANNEL TO PRE-SEDIMENTATION CONDITIONS. THE TOTAL AREA OF EXCAVATED MATERIAL FOR CHANNEL 3 IS 0.04 ACRES.

Scale: 1" = 100



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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
CHANNEL 3
CAMERON PARISH, LOUISIANA

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4-1-B

CHANNEL 4 - CUT 1

50' SPOIL PLACEMENT
WIDTH (MAX.)

40' CHANNEL TOP
WIDTH (MAX.)

272' EXISTING POND
CENTERLINE LENGTH
(EXCAVATED WATER BOTTOM)

EXISTING POND
(EXCAVATED
WATER BOTTOM)

20' CHANNEL BOTTOM
WIDTH (TYP.)

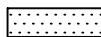

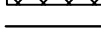
554' CHANNEL
CENTERLINE LENGTH
(TO MATCH LINE)

CHANNEL 4				
	CUT VOLUME	EXCAVATED WETLANDS	EXCAVATED WATER BOTTOMS	SPOIL PLACEMENT *
	(CY)	(ACRE)	(ACRE)	(ACRE)
CUT 1	2,160	0.64	0.19	1.78

* SPOIL PLACEMENT AREAS ARE CONSIDERED TEMPORARY IMPACTS

CHANNEL 4		
POINT	LATITUDE	LONGITUDE
4-1-B	N029° 43' 07.67"	W092° 42' 34.69"

LEGEND

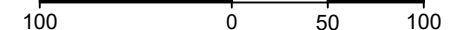
-  SPOIL PLACEMENT
-  EXCAVATION
-  CHANNEL CUT BOUNDARY

MATCH LINE

NOTE:

1. SPOIL PLACEMENT AREAS NOT TO EXCEED +0.5 FT ABOVE NATURAL GRADE.
2. WHERE PRACTICAL THE SPOIL MATERIAL WILL BE PLACED IN OPEN WATER, NON-VEGETATED AREAS TO MINIMIZE IMPACTS.
3. TOTAL CHANNEL 4 CENTERLINE LENGTH = 1210'.

Scale: 1" = 100



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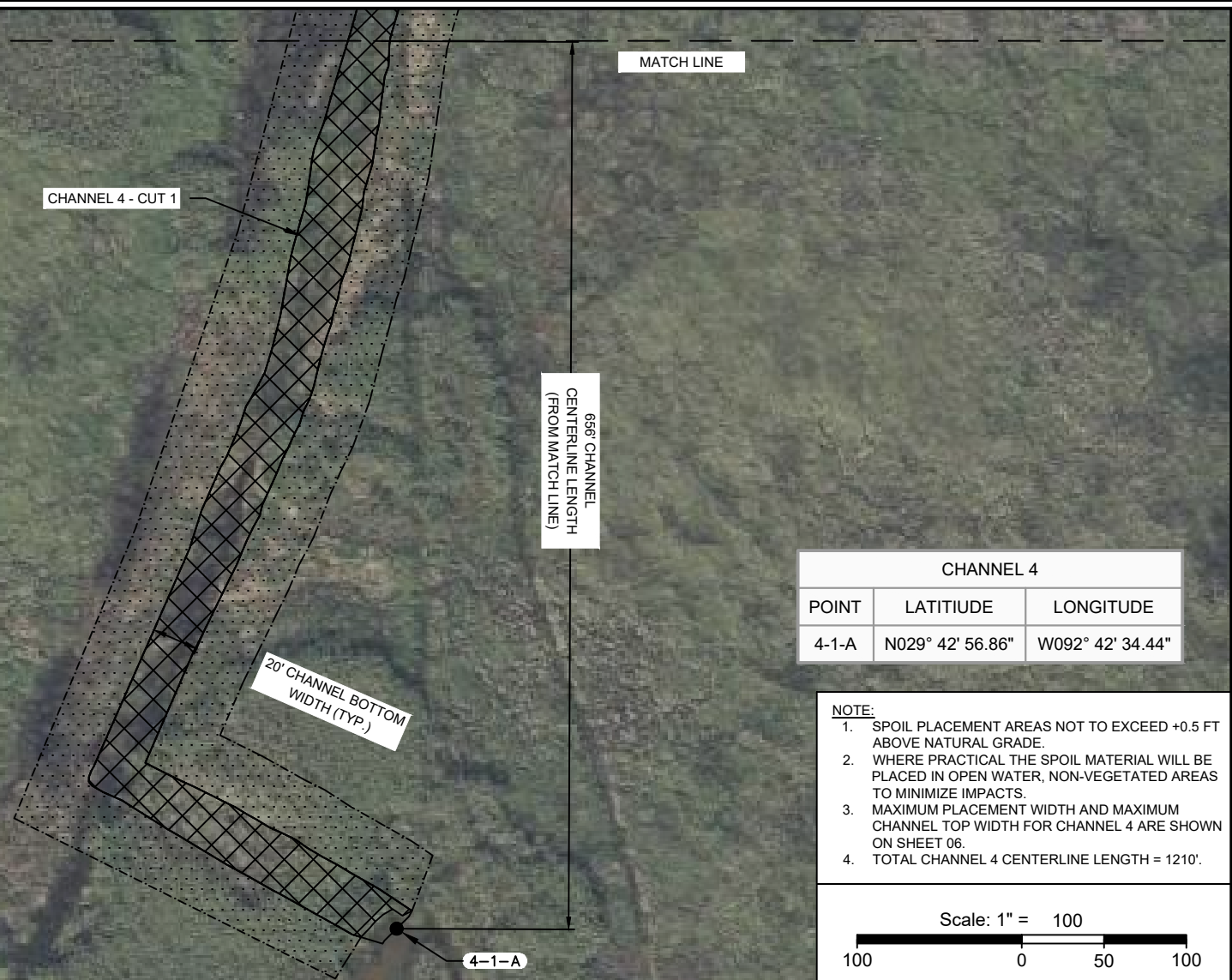
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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
CHANNEL 4 - 1
CAMERON PARISH, LOUISIANA

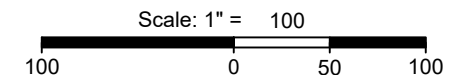
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CHANNEL 4		
POINT	LATITUDE	LONGITUDE
4-1-A	N029° 42' 56.86"	W092° 42' 34.44"

NOTE:

1. SPOIL PLACEMENT AREAS NOT TO EXCEED +0.5 FT ABOVE NATURAL GRADE.
2. WHERE PRACTICAL THE SPOIL MATERIAL WILL BE PLACED IN OPEN WATER, NON-VEGETATED AREAS TO MINIMIZE IMPACTS.
3. MAXIMUM PLACEMENT WIDTH AND MAXIMUM CHANNEL TOP WIDTH FOR CHANNEL 4 ARE SHOWN ON SHEET 06.
4. TOTAL CHANNEL 4 CENTERLINE LENGTH = 1210'.



LEGEND

- SPOIL PLACEMENT
- EXCAVATION
- CHANNEL CUT BOUNDARY



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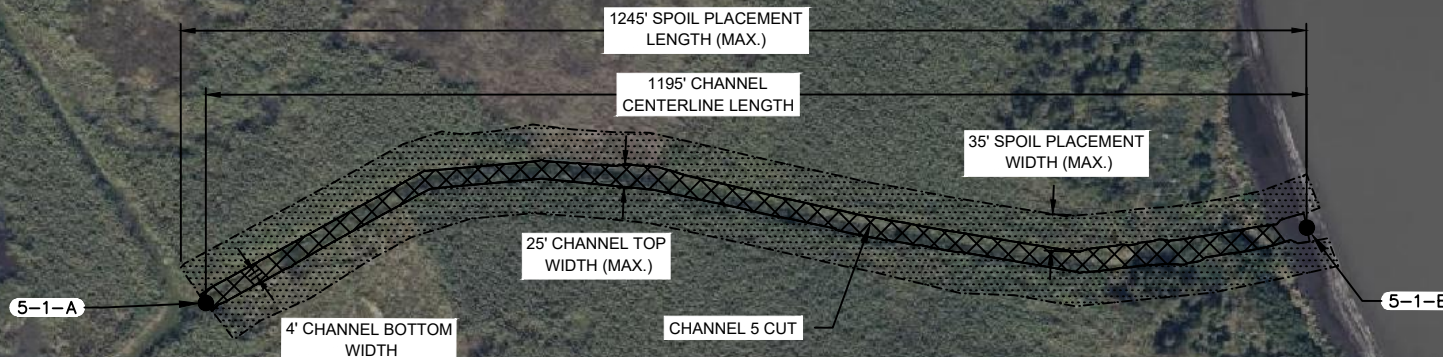
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CAMERON PARISH POLICE JURY
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CHANNEL IMPROVEMENTS
CHANNEL 4 - 2
CAMERON PARISH, LOUISIANA

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CHANNEL 5				
	CUT VOLUME	HISTORIC CHANNEL EXCAVATION	EXCAVATED WATER BOTTOMS	SPOIL PLACEMENT *
	(CY)	(ACRE)	(ACRE)	(ACRE)
CUT 1	1,730	0.55	0.02	1.74

* SPOIL PLACEMENT AREAS ARE CONSIDERED TEMPORARY IMPACTS



CHANNEL 5		
POINT	LATITUDE	LONGITUDE
5-1-A	N029° 42' 47.16"	W092° 35' 26.19"
5-1-B	N029° 42' 48.06"	W092° 35' 13.19"

LEGEND

- SPOIL PLACEMENT
 EXCAVATION
 CHANNEL CUT BOUNDARY

NOTE:

1. SPOIL PLACEMENT AREAS NOT TO EXCEED +0.5 FT ABOVE NATURAL GRADE.
2. WHERE PRACTICAL, SPOIL MATERIAL TO BE PLACED IN OPEN WATER, NON-VEGETATED AREAS TO MINIMIZE IMPACTS.
3. CHANNEL 5 IS AN HISTORIC CHANNEL THAT HAS SEEN SEDIMENT DEPOSITS AT THE MOUTH OF THE CHANNEL. THE SCOPE OF EXCAVATION IS TO RESTORE THE CAPACITY OF THE CHANNEL TO PRE-SEDIMENTATION CONDITIONS. THE TOTAL AREA OF EXCAVATED MATERIAL FOR CHANNEL 5 IS 0.55 ACRES.

Scale: 1" = 200



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PRELIMINARY

Daniel Dehon
Professional Engineer
Registration No. 40161

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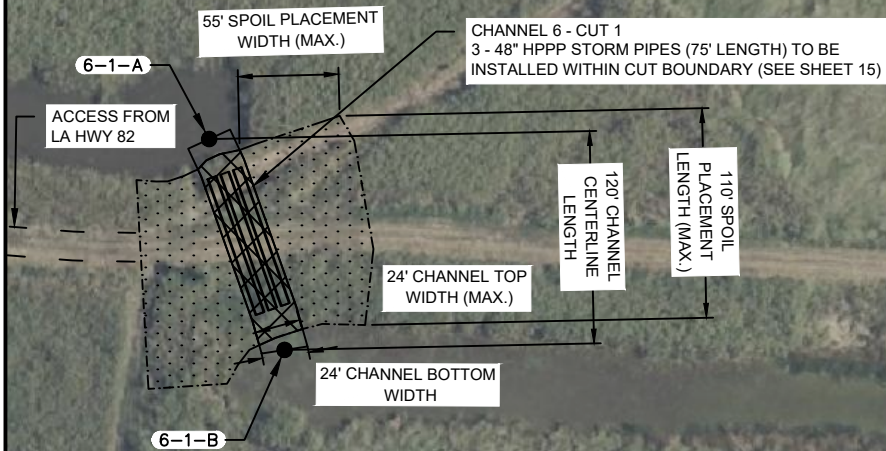
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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
CHANNEL 5
CAMERON PARISH, LOUISIANA

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CHANNEL 6				
	CUT VOLUME	EXCAVATED WETLANDS	EXCAVATED WATER BOTTOMS	SPOIL PLACEMENT *
	(CY)	(ACRE)	(ACRE)	(ACRE)
CUT 1	430	0.05	0.01	0.29
CUT 2	470	0.07	0.01	0.13
TOTAL	900	0.15	0.02	0.42

* SPOIL PLACEMENT AREAS ARE CONSIDERED TEMPORARY IMPACTS



NOTE:

1. SPOIL PLACEMENT AREAS NOT TO EXCEED +0.5 FT ABOVE NATURAL GRADE.
2. WHERE PRACTICAL THE SPOIL MATERIAL WILL BE PLACED IN OPEN WATER, NON-VEGETATED AREAS TO MINIMIZE IMPACTS.

LEGEND

- SPOIL PLACEMENT
 EXCAVATION
 CHANNEL CUT BOUNDARY

CHANNEL 6		
POINT	LATITUDE	LONGITUDE
6-1-A	N029° 41' 40.04"	W092° 38' 07.92"
6-1-B	N029° 41' 39.64"	W092° 38' 09.16"
6-2-A	N029° 41' 33.10"	W092° 38' 09.83"
6-2-B	N029° 41' 32.11"	W092° 38' 10.06"

NOTE: THESE PLANS ARE INTENDED EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ENVIRONMENTAL COMPLIANCE PERMITS AND ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES OR ENGINEERING DESIGN.



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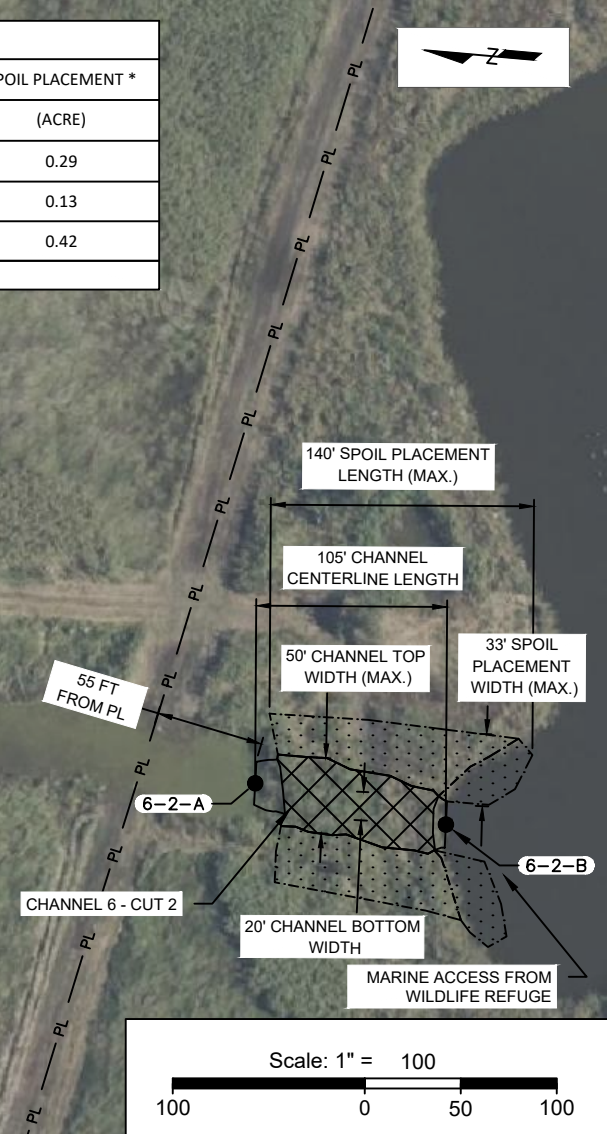
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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
CHANNEL 6
CAMERON PARISH, LOUISIANA

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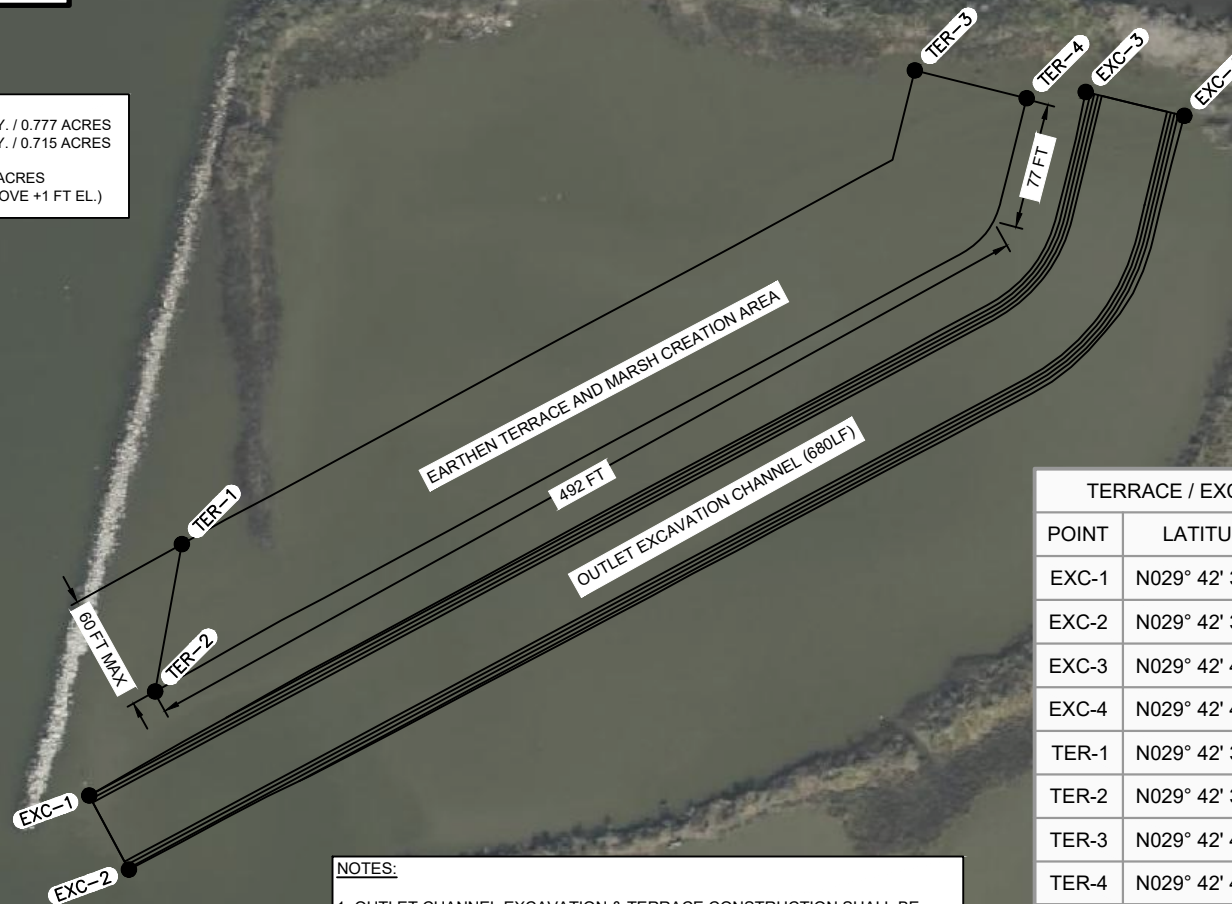


Scale: 1" = 100
 100 0 50 100

QUANTITIES
 CHANNEL CUT: 3,916 C.Y. / 0.777 ACRES
 TERRACE FILL: 3,916 C.Y. / 0.715 ACRES

 CREATED MARSH: 0.39 ACRES
 (AREA OF TERRACE ABOVE +1 FT EL.)

JOSEPH'S HARBOR



NOTES:

1. OUTLET CHANNEL EXCAVATION & TERRACE CONSTRUCTION SHALL BE CONSTRUCTED USING A MARSH EXCAVATOR.
2. MARSH EXCAVATOR ACCESS TO SITE IS FROM OPEN WATER AREAS ONLY. NO TRACKING ACROSS EXISTING VEGETATED MARSH IS ALLOWED.

TERRACE / EXCAVATION CHANNEL		
POINT	LATITUDE	LONGITUDE
EXC-1	N029° 42' 37.31"	W092° 45' 59.28"
EXC-2	N029° 42' 36.93"	W092° 45' 59.04"
EXC-3	N029° 42' 41.00"	W092° 45' 53.44"
EXC-4	N029° 42' 40.88"	W092° 45' 52.86"
TER-1	N029° 42' 38.61"	W092° 45' 58.75"
TER-2	N029° 42' 37.85"	W092° 45' 58.89"
TER-3	N029° 42' 41.10"	W092° 45' 54.45"
TER-4	N029° 42' 40.96"	W092° 45' 53.79"

Scale: 1" = 100
 100 0 50 100



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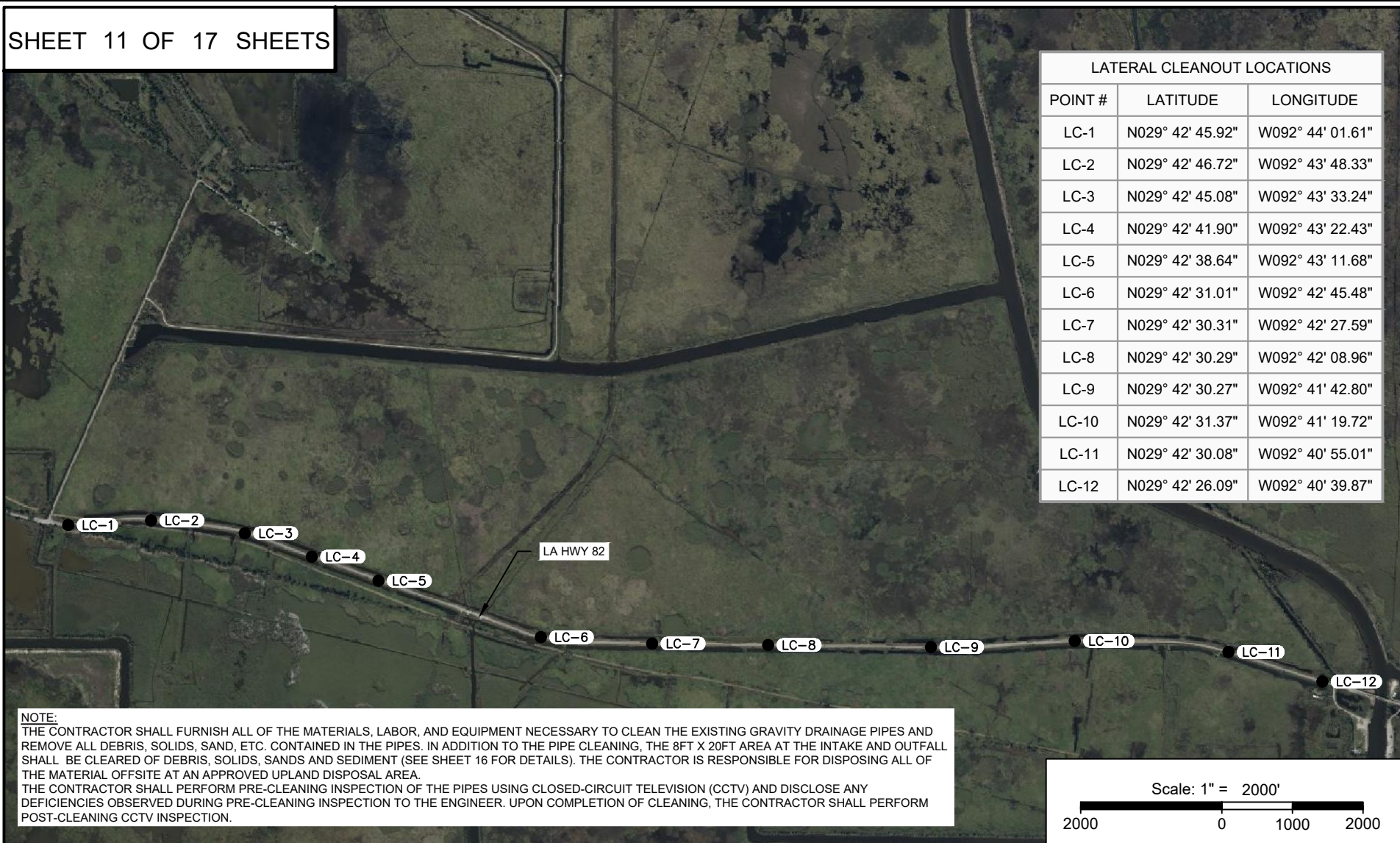
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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
TERRACE
CAMERON PARISH, LOUISIANA

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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
LATERAL CLEANOUT - 1
CAMERON PARISH, LOUISIANA

DRAWN BY: HJS

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LATERAL CLEANOUT LOCATIONS

POINT #	LATITUDE	LONGITUDE
LC-13	N029° 41' 25.33"	W092° 36' 59.04"
LC-14	N029° 41' 19.58"	W092° 36' 48.48"
LC-15	N029° 41' 13.73"	W092° 36' 38.00"
LC-16	N029° 41' 02.22"	W092° 36' 16.89"
LC-17	N029° 40' 51.12"	W092° 35' 56.70"
LC-18	N029° 40' 44.81"	W092° 35' 45.24"
LC-19	N029° 40' 39.43"	W092° 35' 34.56"
LC-20	N029° 40' 35.23"	W092° 35' 23.19"
LC-21	N029° 40' 31.02"	W092° 35' 11.51"
LC-22	N029° 40' 26.79"	W092° 35' 00.04"
LC-23	N029° 40' 22.62"	W092° 34' 48.59"
LC-24	N029° 40' 18.44"	W092° 34' 37.01"

NOTE:

THE CONTRACTOR SHALL FURNISH ALL OF THE MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO CLEAN THE EXISTING GRAVITY DRAINAGE PIPES AND REMOVE ALL DEBRIS, SOLIDS, SAND, ETC. CONTAINED IN THE PIPES. IN ADDITION TO THE PIPE CLEANING, THE 8FT X 20FT AREA AT THE INTAKE AND OUTFALL SHALL BE CLEARED OF DEBRIS, SOLIDS, SANDS AND SEDIMENT (SEE SHEET 16 FOR DETAILS). THE CONTRACTOR IS RESPONSIBLE FOR DISPOSING ALL OF THE MATERIAL OFFSITE AT AN APPROVED UPLAND DISPOSAL AREA.

THE CONTRACTOR SHALL PERFORM PRE-CLEANING INSPECTION OF THE PIPES USING CLOSED-CIRCUIT TELEVISION (CCTV) AND DISCLOSE ANY DEFICIENCIES OBSERVED DURING PRE-CLEANING INSPECTION TO THE ENGINEER. UPON COMPLETION OF CLEANING, THE CONTRACTOR SHALL PERFORM POST-CLEANING CCTV INSPECTION.

Scale: 1" = 2000'

2000 0 1000 2000



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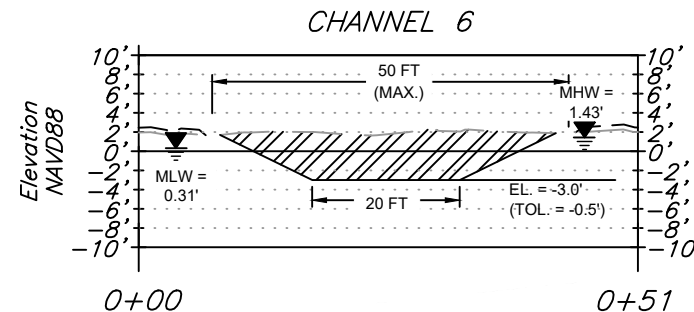
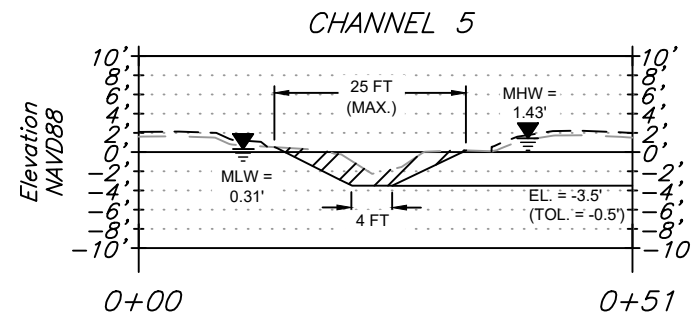
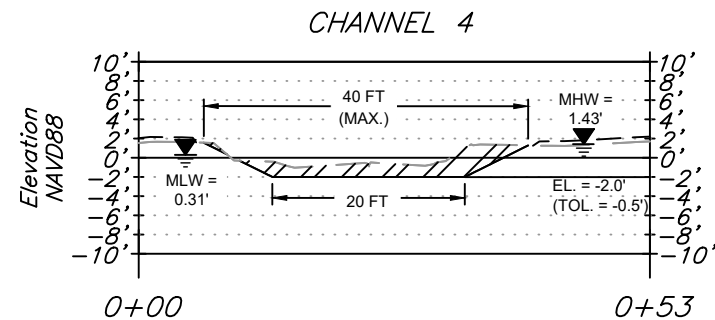
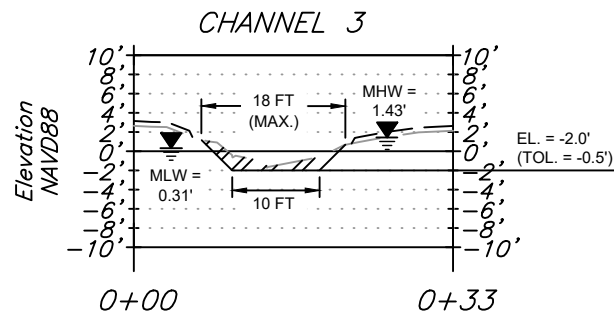
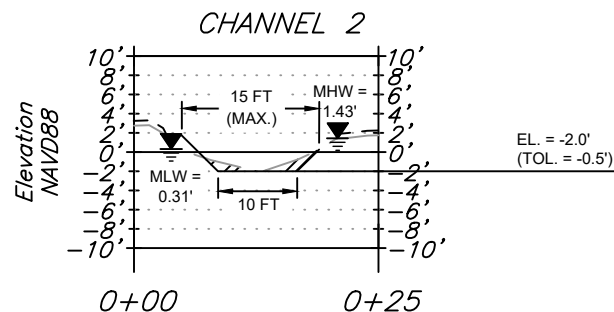
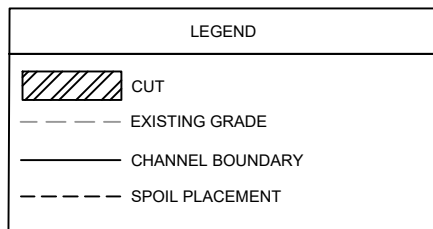


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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
LATERAL CLEANOUT - 2
CAMERON PARISH, LOUISIANA

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CHANNEL 1
REMOVED FROM PROJECT



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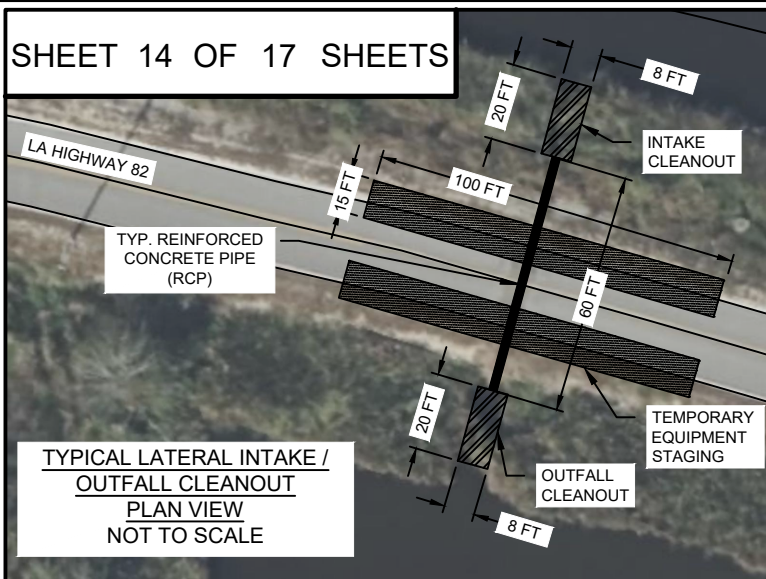
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Daniel Dehon
Professional Engineer
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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
TYPICAL CHANNEL SECTIONS
CAMERON PARISH, LOUISIANA

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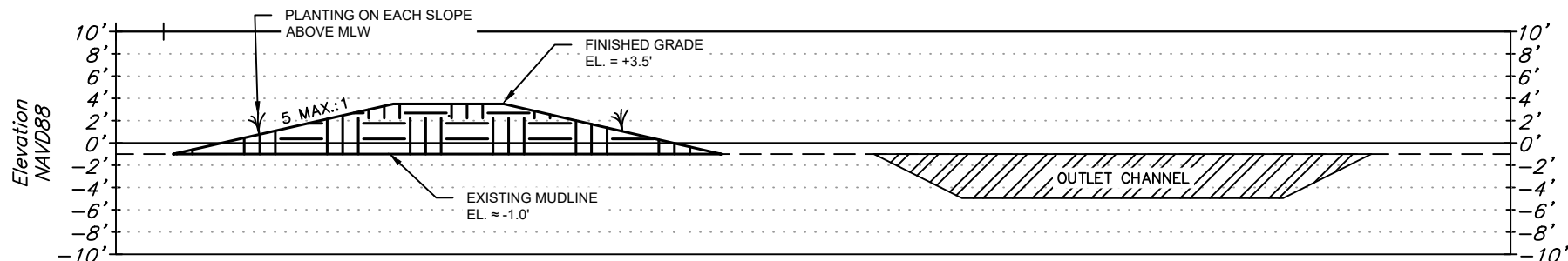
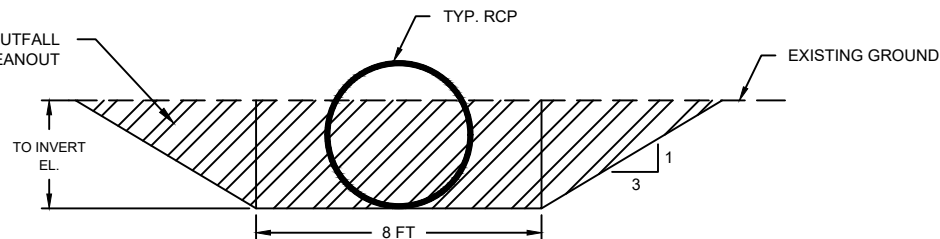
SHEET 14 OF 17 SHEETS



NOTES:

1. ALL MATERIAL TO BE REMOVED WITHIN THE CLEANOUT AREAS SHALL BE EXCAVATED AND HAULED OFF-SITE TO BE DISPOSED OF AT AN APPROVED UPLAND DISPOSAL AREA.
2. ESTIMATED QUANTITIES FOR EACH CLEANOUT IS 10 CUBIC YARDS. THERE ARE 24 CULVERT CLEANOUTS WITHIN THE PROJECT, EACH WITH AN INTAKE AND OUTFALL CLEANOUT. TOTAL ESTIMATED QUANTITY IS 500 CU. YD.
3. EACH CLEANOUT WILL INCLUDE AN 8 FT X 20 FT AREA TO BE CLEANED ON BOTH INTAKE AND OUTFALL. TOTAL ESTIMATED QUANTITY IS 0.17 ACRES.
4. EQUIPMENT FOR CLEANOUTS TO REMAIN ON ROAD OR IN RIGHT OF WAY. MATERIAL FROM CLEANOUT TO BE PLACED IMMEDIATELY IN TRUCK BED AND IS NOT TO BE STORED TEMPORARILY IN PROJECT VICINITY.
5. TRAFFIC CONTROL TO BE IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, SECTION 713.

TYPICAL LATERAL INTAKE / OUTFALL CLEANOUT PROFILE VIEW NOT TO SCALE



LEGEND

- EXCAVATION CHANNEL
- EXISTING GRADE
- TERRACE



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PRELIMINARY

Daniel Dehon
Professional Engineer
Registration No. 40161

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CAMERON PARISH POLICE JURY MERMENTAU BASIN INUNDATION RELIEF PROJECT CHANNEL IMPROVEMENTS TYPICAL SECTIONS CAMERON PARISH, LOUISIANA

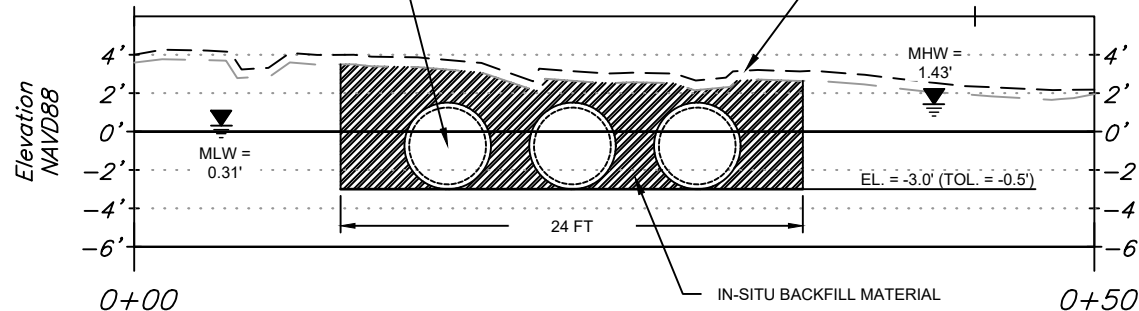
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LEGEND



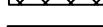
-  CUT / BACKFILL
-  EXISTING GRADE
-  CHANNEL BOUNDARY
-  SPOIL PLACEMENT

3 - 48" HPPV STORM PIPES (75' LENGTH) TO BE INSTALLED WITHIN CUT BOUNDARY.

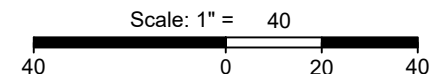
SURPLUS BACKFILL MATERIAL SHALL BE PLACED WITHIN THE SPOIL PLACEMENT AREA NO GREATER THAN 6" ABOVE NATURAL GRADE.



LEGEND

-  SPOIL PLACEMENT
-  EXCAVATION
-  CHANNEL CUT BOUNDARY

3 - 48" HPPV STORM PIPES (75' LENGTH) TO BE INSTALLED WITHIN CUT BOUNDARY.



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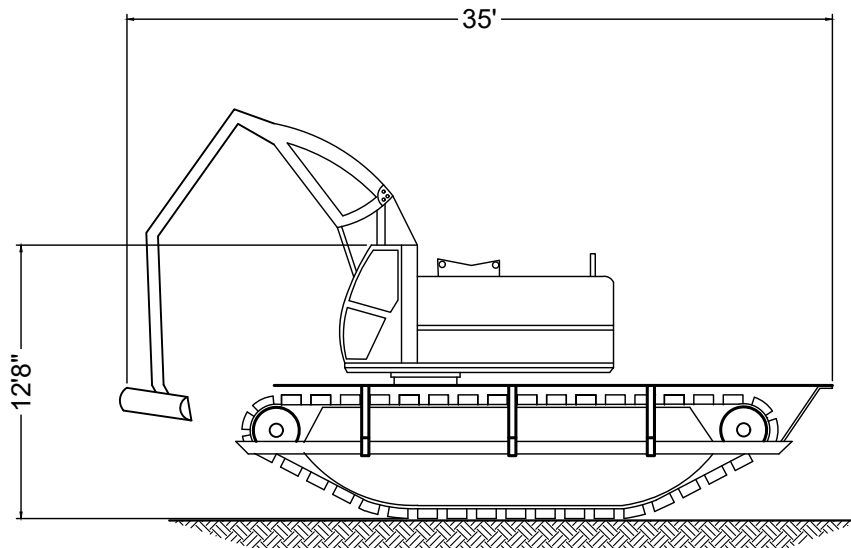
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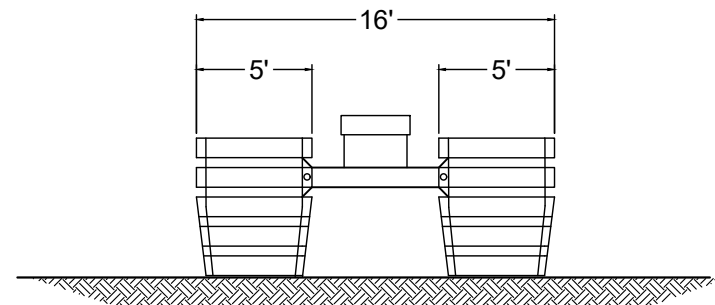
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CHANNEL IMPROVEMENTS
CULVERT TYPICAL
CAMERON PARISH, LOUISIANA

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TYPICAL MARSH EXCAVATOR

NOT TO SCALE



TYPICAL MARSH EXCAVATOR BASE

NOT TO SCALE

NOTE:

1. MARSH EXCAVATOR ACCESS TO SITE IS FROM OPEN WATER AREAS ONLY. NO TRACKING ACROSS EXISTING VEGETATED MARSH IS ALLOWED.

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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
TYPICAL MARSH EXCAVATOR
CAMERON PARISH, LOUISIANA

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	CUT VOLUME	EXCAVATED WETLANDS ¹	HISTORIC CHANNEL EXCAVATION	EXCAVATED WATER BOTTOMS	TEMPORARY WETLAND IMPACTS ²
	(CY)	(ACRE)	(ACRE)	(ACRE)	(ACRE)
CHANNEL 2	140	0.00	0.02	0.00	0.10
CHANNEL 3	160	0.00	0.04	0.00	0.23
CHANNEL 4	2,160	0.64	0.00	0.19	1.78
CHANNEL 5	1,730	0.00	0.55	0.02	1.74
CHANNEL 6	900	0.15	0.00	0.02	0.42
TERRACE	3,916	0.00	0.00	0.78	0.715 (OPEN-WATER PLACEMENT)
CLEANOUTS	500	0.00	0.00	0.17	0.00 (HAULED OFF-SITE)
TOTAL	9,506	0.79	0.61	1.18	4.99

CREATION	
	Acre ³
TERRACE	0.39

NOTE:

- EXCAVATED MATERIAL FOR CHANNEL 2, CHANNEL 3 AND CHANNEL 5 IS NOT CONSIDERED TO BE EXCAVATED WETLANDS DUE TO BEING HISTORIC CHANNELS THAT HAVE SEEN SEDIMENT DEPOSITS AT THE MOUTH OF EACH CHANNEL. THE SCOPE OF EXCAVATION IS TO RESTORE THE CAPACITY OF EACH HISTORIC CHANNEL TO PRE-SEDIMENTATION CONDITIONS. THE AREA OF EXCAVATED MATERIAL FOR CHANNEL 2 IS 0.02 ACRES, CHANNEL 3 IS 0.04 ACRES AND FOR CHANNEL 5 IS 0.55 ACRES, FOR A TOTAL OF 0.61 ACRES.
- TEMPORARY WETLAND IMPACTS ARE DEFINED AS MATERIAL PLACED NOT TO EXCEED +0.5 FT ABOVE EXISTING GRADE IN VEGETATED WETLANDS.
- CURRENT TOE EXTENTS PROVIDED BY DUCKS UNLIMITED - OFFSET INTERNALLY FOR A 35 FT WIDTH (ACCOUNTS FOR ALL MATERIAL ABOVE +1.0 FT EL.)

NOTE: THESE PLANS ARE INTENDED EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ENVIRONMENTAL COMPLIANCE PERMITS AND ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES OR ENGINEERING DESIGN.



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CAMERON PARISH POLICE JURY
MERMENTAU BASIN INUNDATION RELIEF PROJECT
CHANNEL IMPROVEMENTS
SUMMARY OF QUANTITIES
CAMERON PARISH, LOUISIANA

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