

PUBLIC NOTICE

September 27, 2021

United States Army
Corps of Engineers
New Orleans District
Attn: Regulatory Division, REG-W
7400 Leake Ave.
New Orleans, Louisiana 70118-3651

Project Manager:
Michael Herrmann
(504) 862-1954
Michael.h.herrmann@usace.army.mil
Application #: MVN-2020-01235-WQQ

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).

BAYOU CANE PUMP STATION AND RETENTION AREA IN TERREBONNE PARISH

NAME OF APPLICANT: Terrebonne Parish Consolidated Government, c/o: GIS Engineering LLC, Attn: Mohan Menon, 450 Laurel Street, Suite 1500, Baton Rouge, Louisiana 70801.

LOCATION OF WORK: Located in Terrebonne Parish, located along Savanne Road, in Houma, Louisiana, (lat. 29.635278°, long. -90.763333°), as shown within the attached drawings. (Hydrologic Unit Code 08090302, Terrebonne Watershed Basin)

CHARACTER OF WORK: The applicant has requested a Department of the Army permit for the construction and maintenance of a 400 cfs pump station, to assist the existing Bonanza Pump Station. The proposed station will pump excess rainwater from Basin 1-1A, which is drained through Bayou Cane, into the adjacent marsh to alleviate flooding in the southern regions of the basin. An earthen levee alignment along Savanne Road and Ouiski Bayou will be constructed to form a temporary 4,000-acre retention area. The levees will be constructed to EL + 4.5 ft. and will include culverts fitted with sluice gates at three (3) locations along Bayou Cane and at three locations along Ouiski Bayou. The culverts along Bayou Cane will release water from the retention area back into Bayou Cane while the those along Ouiski Bayou will help to maintain the tidal connection between Ouiski Bayou and the marsh area. Four (4) submersible pumps, each having a capacity of 10 cfs., will be installed at locations along Savanne road to drain accumulated water preventing the flooding of the road. Approximately 148,000 cubic yards of material will be excavated from Ouiski Bayou, approximately 35,000 cubic yards of spoil material will be used onsite and approximately 118,000 cubic yards will be hauled off-site for disposal in an upland area.

The work will result in approximately 28.3 acres of jurisdictional bottomland hardwoods impacts, 5.5 acres of tidal marsh impacts and approximately 30 acres of impacts to open Waters of the US. If a Department of the Army permit is warranted, the applicant has proposed to mitigate unavoidable wetlands impacts at an approved and acceptable mitigation bank 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 emailed to the Corps of Engineers project manager listed above or forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, REG-W, MR. MICHAEL HERRMANN**. Individuals or parties may also request an extension of time in which to comment on the proposed work by mail or 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.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or

data. As 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.

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 Consultation for Endangered Species in Louisiana (IPaC) agreement, signed 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 not likely to affect the West Indian Manatee (*Trichechus manatus*), with the addition of special permit conditions for all in water activities.

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 EFH: **5.5 acres of direct impacts and 4,000 acres of alteration due to flood water retention and impoundment levees** 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 is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant 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.

Darrell S. Barbara
Chief, Western Evaluation Branch
Regulatory Division

Enclosures



ENGINEERING LLC

Coastal Design & Infrastructure
197 Elysian Drive
Houma, Louisiana 70363

REVISIONS

No.	Description	Date

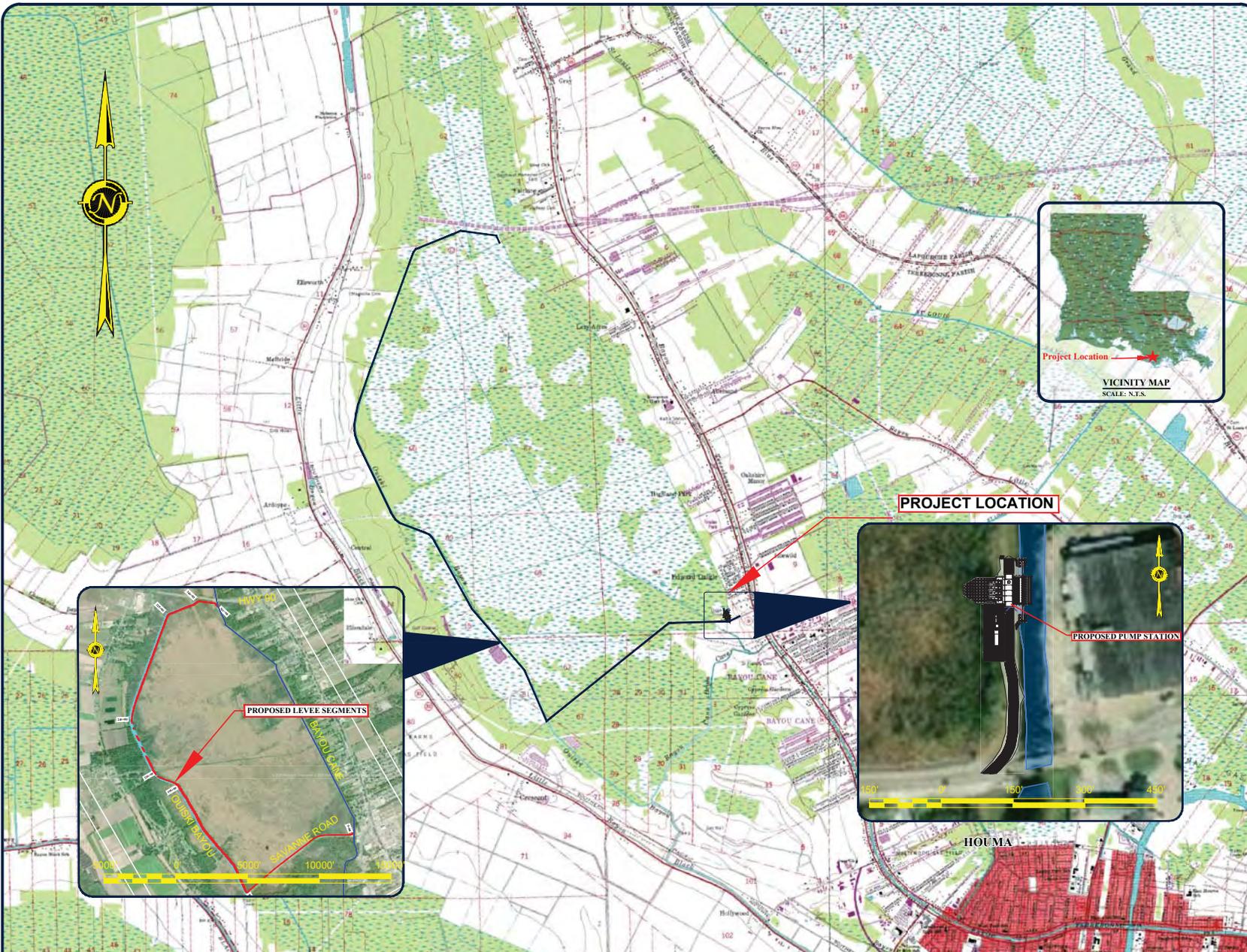
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ENGINEER'S NAME
LA LICENSE NO. 92000

**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

VICINITY MAP

Project number	39130-1071-72
Date	OCT 2019
Designed by	AJR
Drawn by	SAB
Checked by	SDP
Checked by	MM
Plot Date	OCT 2019

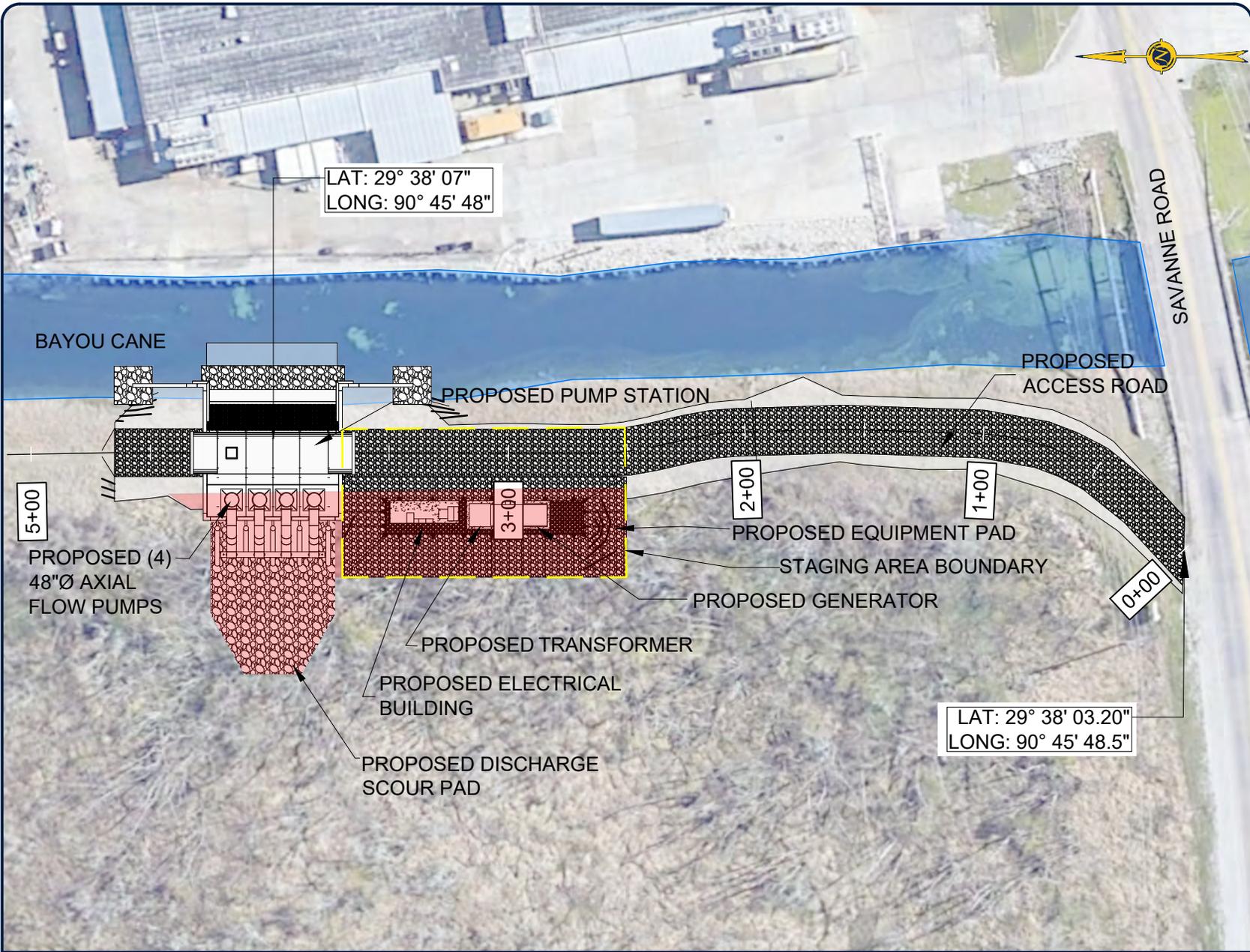


NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.

- NOTES:
1. THE TOTAL AREA OF INFLUENCE OF THE PROJECT IS APPROXIMATELY 4,000 ACRES



M:\Department_39\Client\PCG - Terrebonne Parish\1071-1072 Bayou Terrebonne Drainage Project\Drafting\CAD\DWG\01 - Permit\Permit\01_VICINITY_MAP.dwg




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197 Elysian Drive
Houma, Louisiana 70363

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ENGINEER'S NAME
LA LICENSE NO. 00000

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

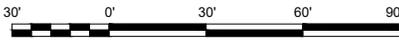
PUMP STATION SITE PLAN

Project number	39130-1071-72
Date	OCT 2019
Designed by	AJR
Drawn by	SAB
Checked by	SDP
Checked by	MM
Plot Date	OCT 2019

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NOTE:
STAGING AREA FOR PUMP STATION: 120 FT. X 60 FT.
THE AREA CLEARED FOR CONSTRUCTION OF THE EQUIPMENT IN ADDITION TO THE LEVEE CROWN WILL BE USED AS STAGING AREA DURING PUMP STATION CONSTRUCTION

	LIMESTONE FOR ACCESS ROAD AND EQUIPMENT PAD
	RIP RAP FOR EROSION CONTROL



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197 Elysian Drive
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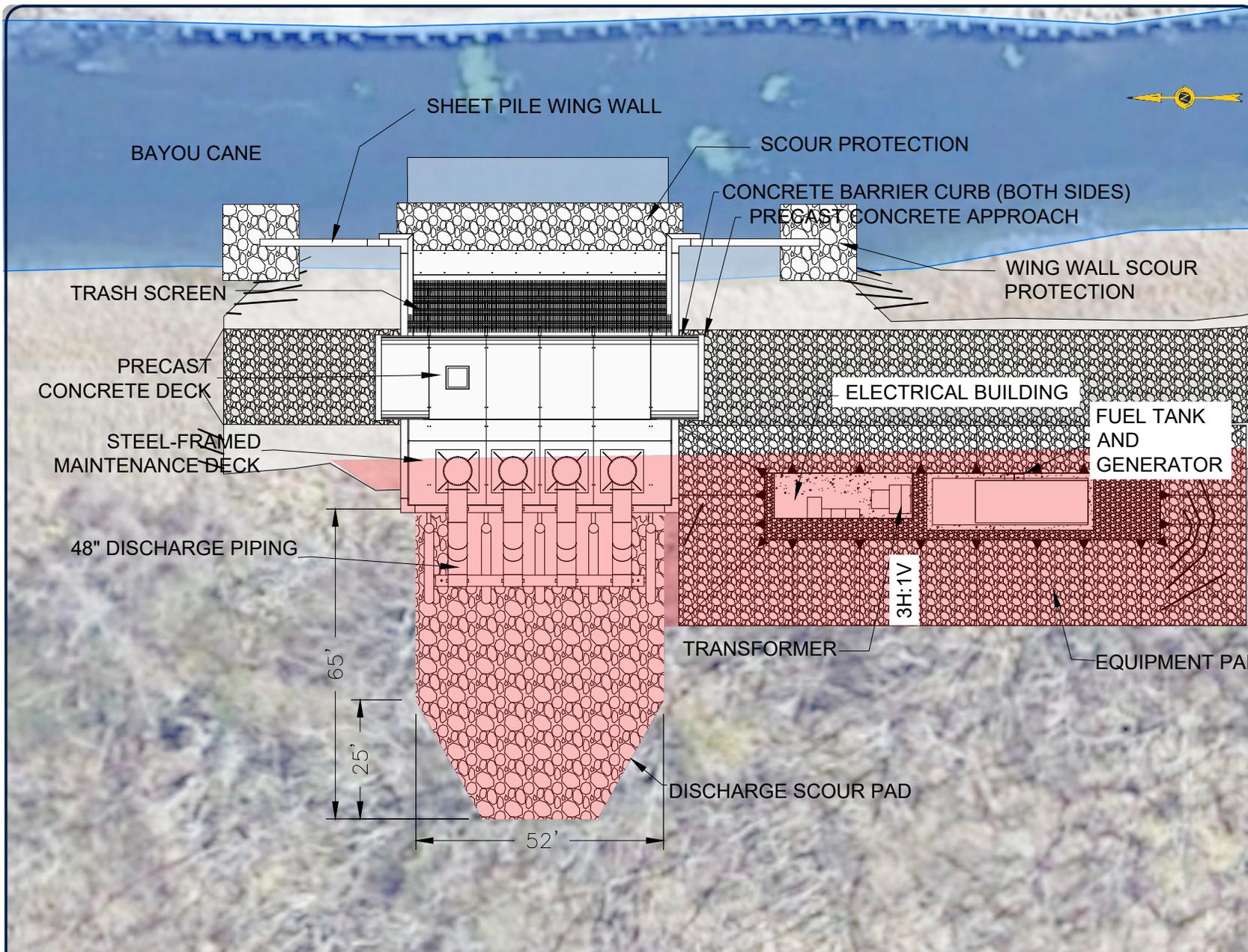
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L.A. LICENSE NO. 20000

**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**PUMP STATION
PLAN VIEW**

Project number	39130-1071-72
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Checked by	SDP
Checked by	MM
Plot Date	OCT 2019

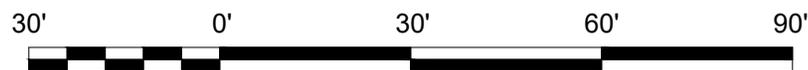
03



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

- LIMESTONE FOR ACCESS ROAD AND EQUIPMENT PAD
- RIP RAP FOR EROSION CONTROL

POTENTIAL WETLAND IMPACT (0.20 ACRES)



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No.	Description	Date

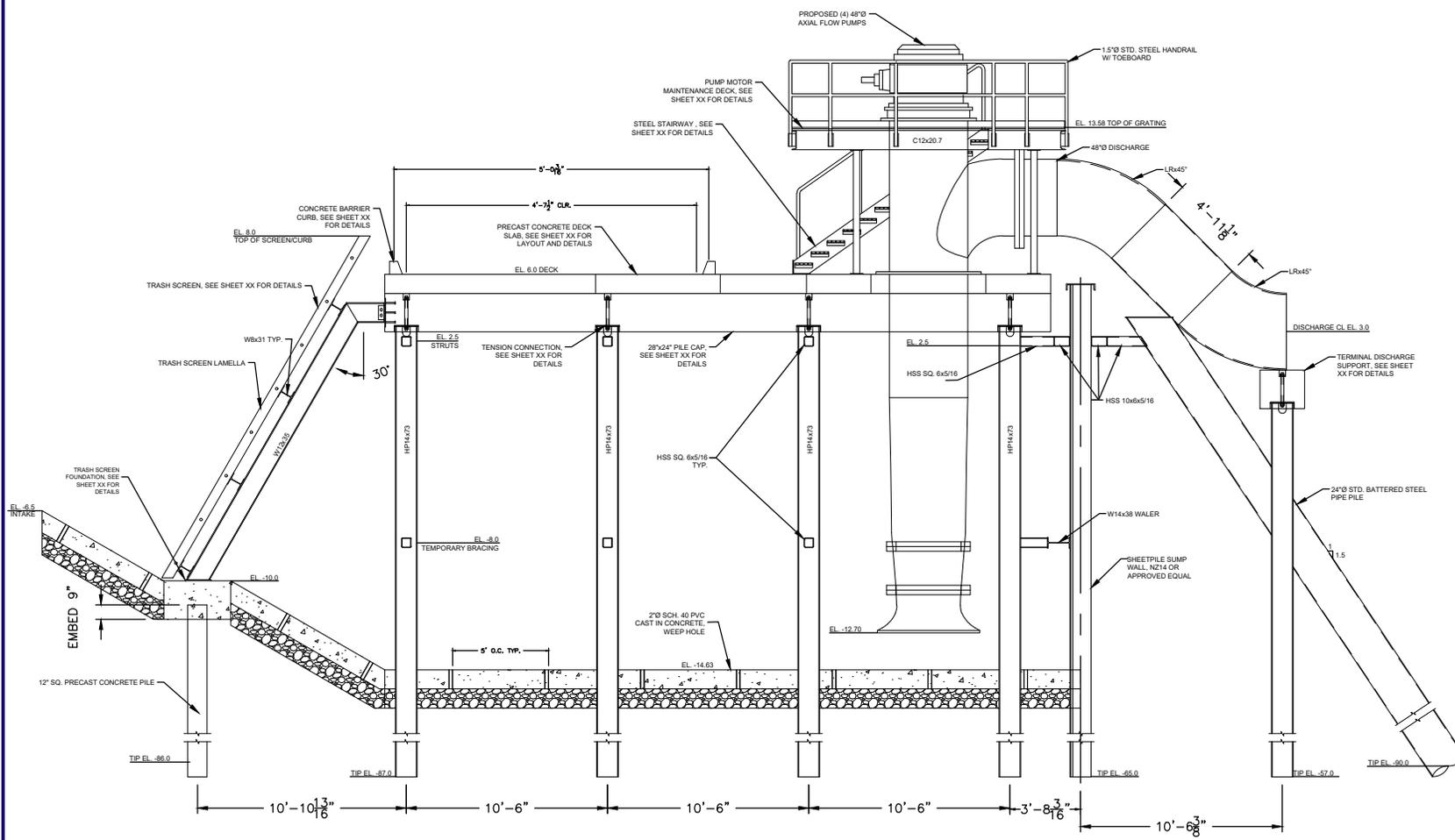
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LA LICENSE NO. 00000

**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**PUMP STATION
PROFILE VIEW**

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Checked by	MM
Plot Date	OCT 2019

04



B LONGITUDINAL SECTION THRU PUMPSTATION
SCALE: 3/8" = 1'-0"

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



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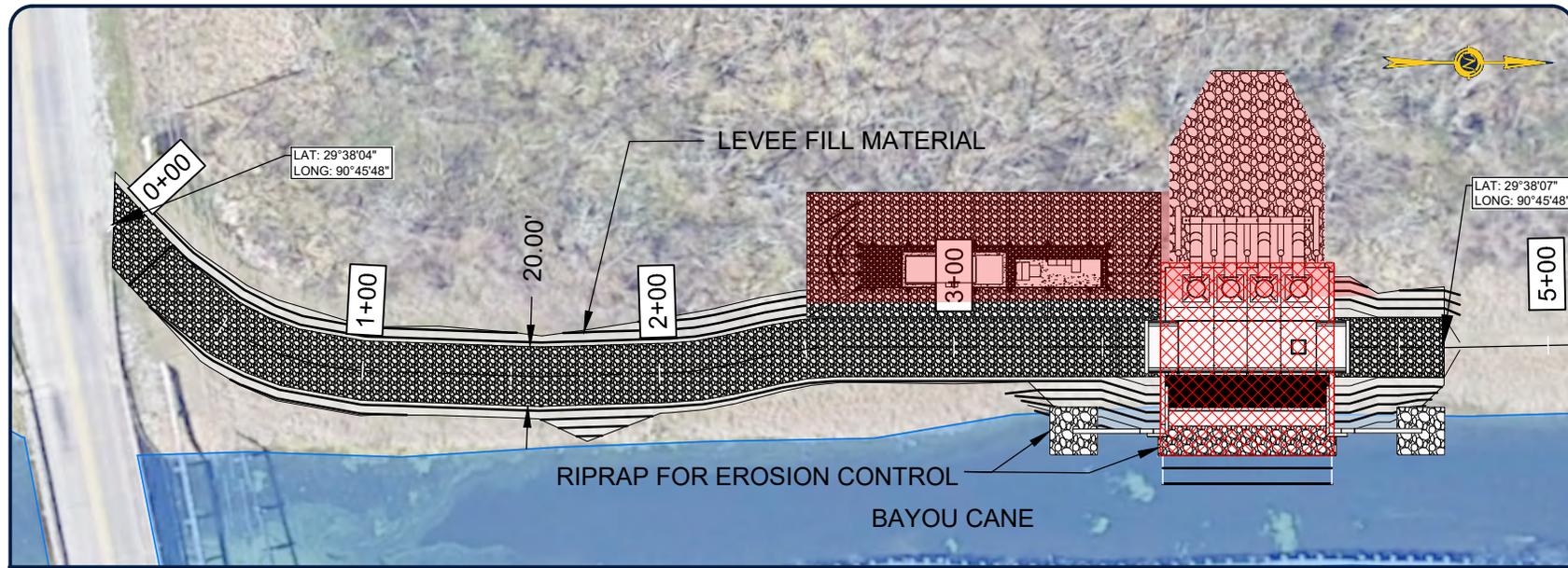
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CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

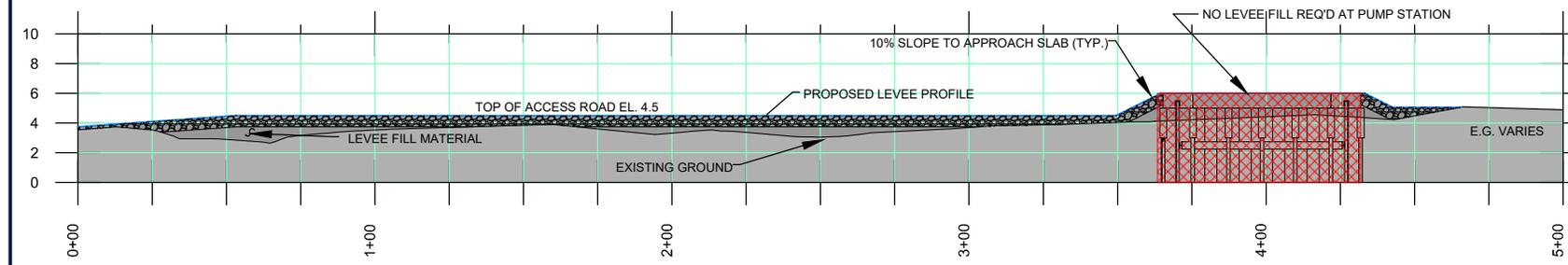
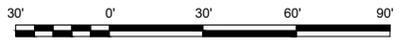
**ACCESS ROAD PLAN
& PROFILE**

Project number	39130-1071-72
Date	OCT 2019
Designed by	AJR
Drawn by	SAB
Checked by	SDP
Checked by	MM
Plot Date	OCT 2019

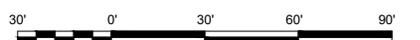
05



NOTE: MAXIMUM WIDTH OF ACCESS ROAD IS 20 FT.



HORIZONTAL SCALE: 1 INCH = 60 FEET



VERTICAL SCALE: 1 INCH = 12 FEET

NOTE: APPROXIMATELY 400 CY. OF MATERIAL WILL BE REQUIRED FOR ACCESS ROAD CONSTRUCTION.

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

- EXCAVATION AREA (PUMP STATION SUMP)
- LIMESTONE FOR ACCESS ROAD (≈ 375 FT.) AND EQUIPMENT PAD
- RIP RAP FOR EROSION CONTROL

M:\Department_39\Client\PG3 - Terrebonne Parish\1071-1072 Bayou Terrebonne Drainage Project\Drawing\CAD\DWG\1 Permits\Permit\05 ACCESS ROAD PLAN AND PROFILE.dwg



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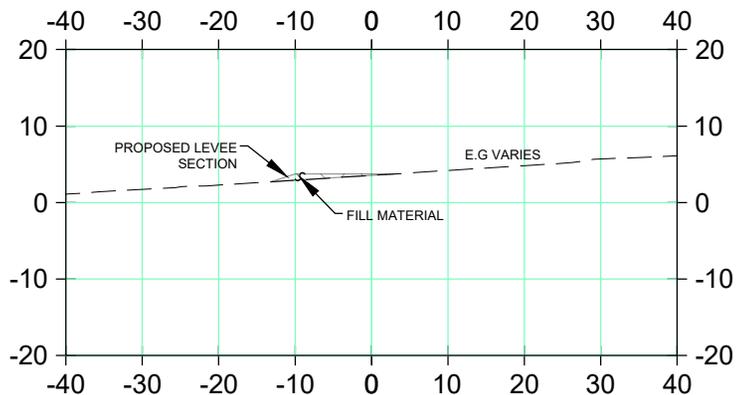
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LA LICENSE NO. 00000

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

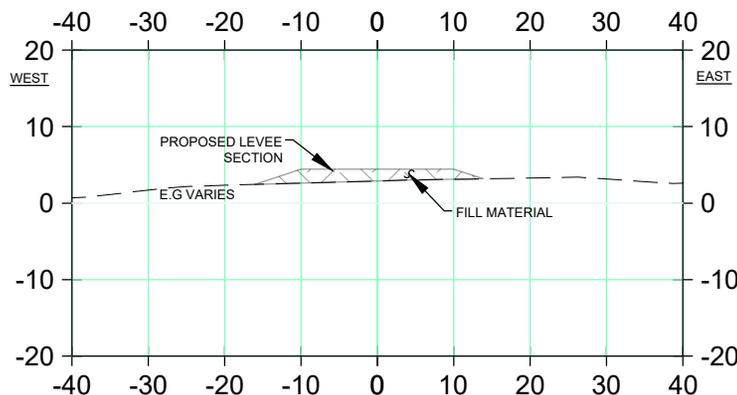
**LEEVE
IMPROVEMENTS/
ACCESS ROAD
CROSS-SECTION**

Project number	39130-1071-72
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Designed by	AJR
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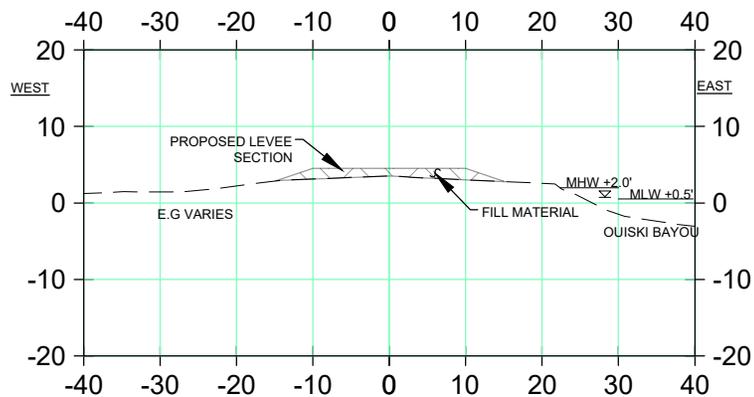
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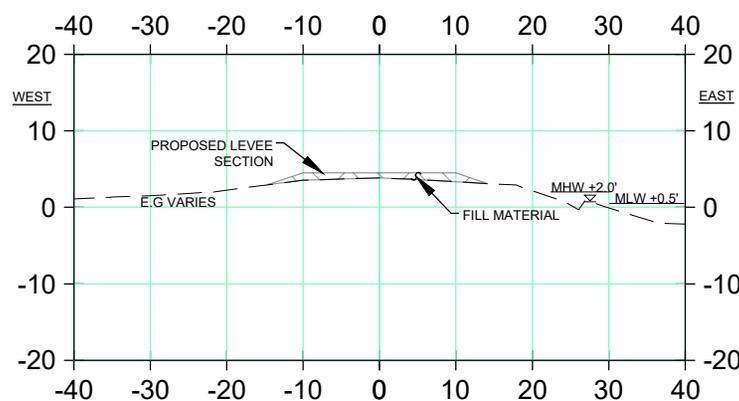
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1+00.00



1+50.00



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EARTHEN FILL



M:\Department_39\Client\Proj3 - Terrebonne Parish\1071-1072 Bayou Terrebonne Drainage Project\Drafting\CAD\DWG\Permit\Permit\06 LEEVE IMPROVEMENT ACCESS ROAD CROSS SECTION.dwg



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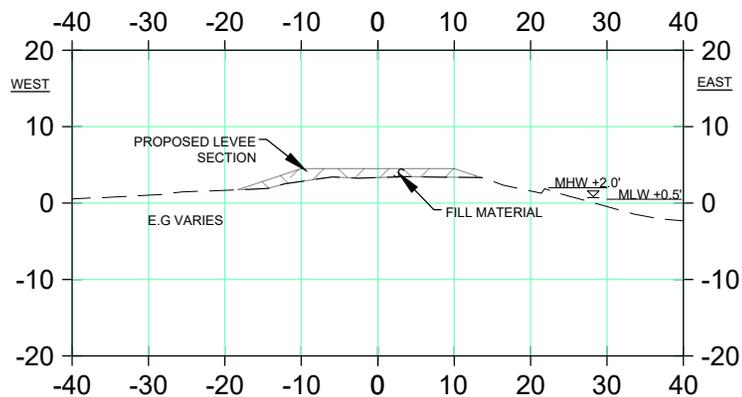
TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

**LEEVE
IMPROVEMENTS/
ACCESS ROAD
CROSS-SECTION**

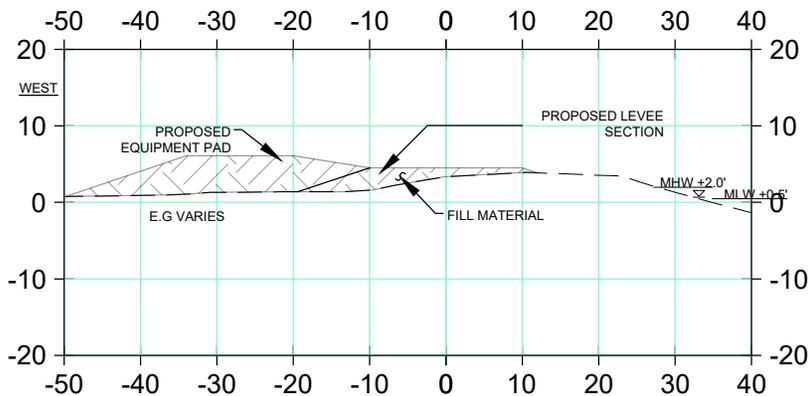
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07

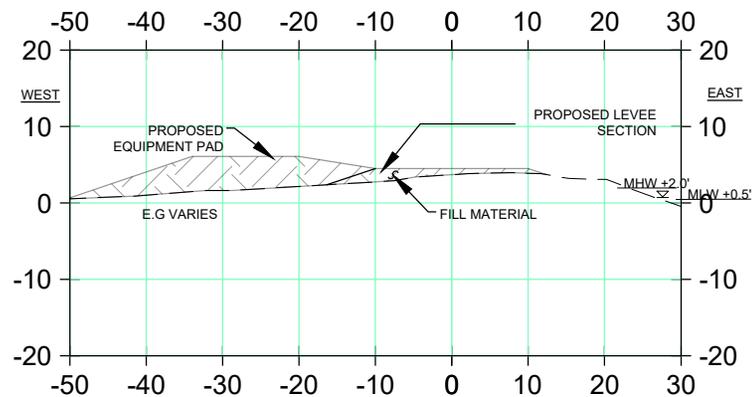
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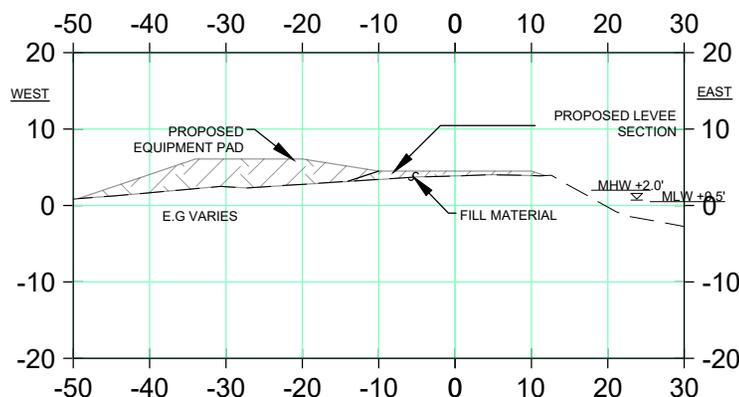
2+68.54



3+00.00



3+25.00



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 **EARTHEN FILL**



M:\Department_39\Client\TDCS - Terrebonne Parish\Drainage Project\Terrebonne Drainage Project\Drawings\CAD\DWG\Permit\Permit\06 LEEVE IMPROVEMENT ACCESS ROAD CROSS SECTION.dwg



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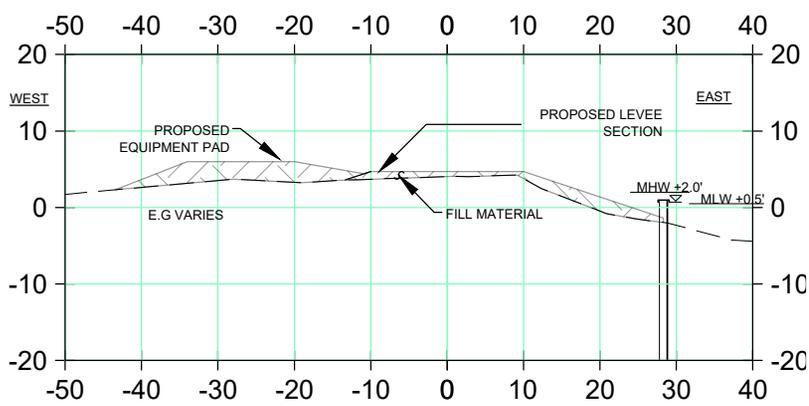
**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**LEEVE
IMPROVEMENTS/
ACCESS ROAD
CROSS-SECTION**

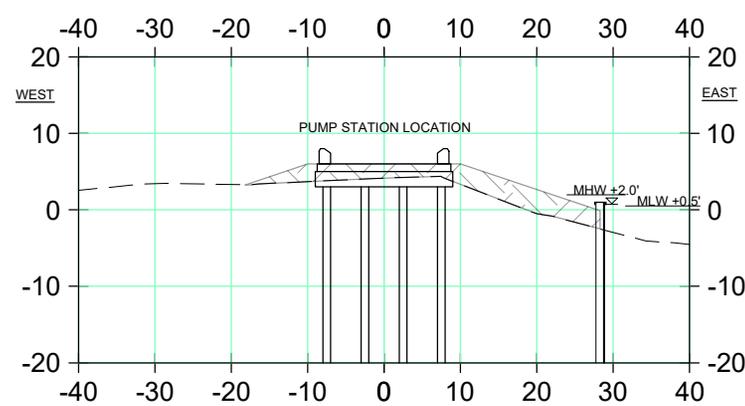
Project number	39130-1071-72
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Plot Date	OCT 2019

08

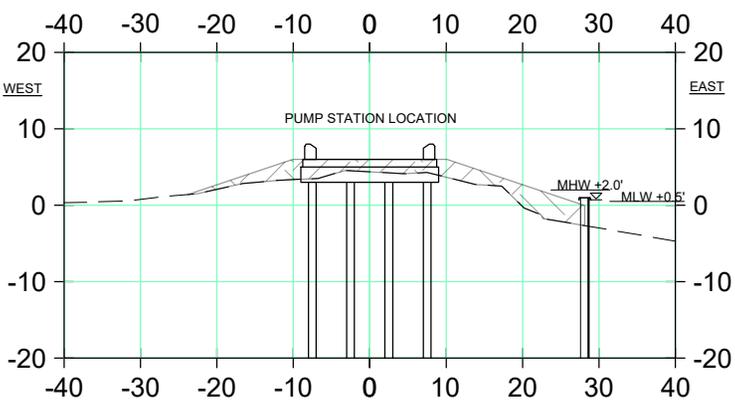
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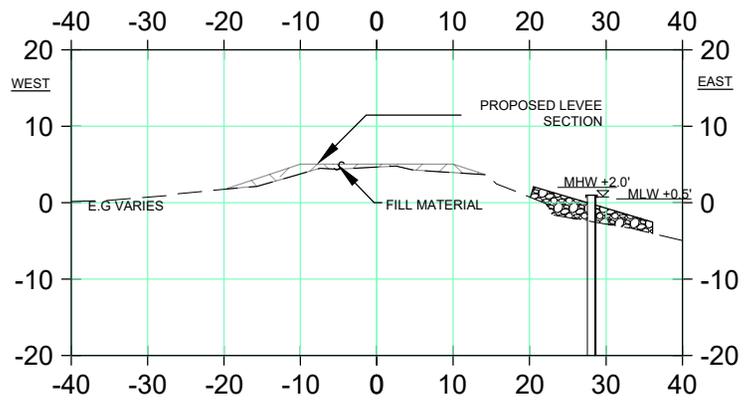
3+65.00



4+33.00



4+55.00



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M:\Department_39\Client\TDCS - Terrebonne Parish\1071-1072 Bayou Terrebonne Drainage Project\Drafting\CAD\DWG\Permit\Permit\06 LEVEE IMPROVEMENT ACCESS ROAD CROSS SECTION.dwg



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Houma, Louisiana 70363

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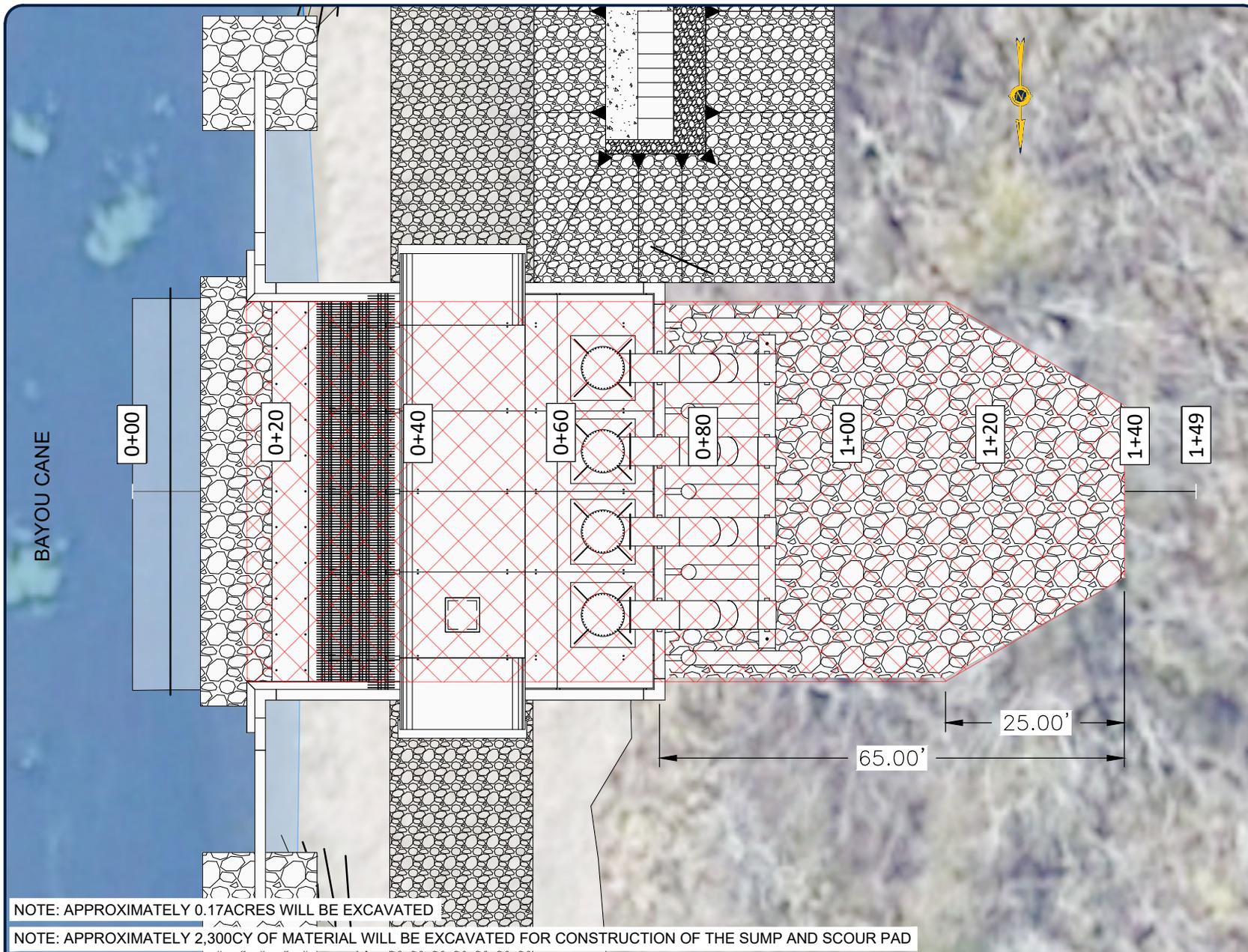
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TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

**PUMP STATION
EXCAVATION
PLAN VIEW**

Project number	39130-1071-72
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Plot Date	OCT 2019

09



NOTE: APPROXIMATELY 0.17ACRES WILL BE EXCAVATED

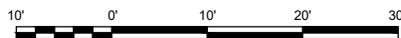
NOTE: APPROXIMATELY 2,300CY OF MATERIAL WILL BE EXCAVATED FOR CONSTRUCTION OF THE SUMP AND SCOUR PAD

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

EXCAVATION AREA (PUMP STATION SUMP AND SCOUR PAD)

LIMESTONE FOR ACCESS ROAD AND EQUIPMENT PAD

RIP RAP FOR EROSION CONTROL



M:\Department_39\Client\FCS - Terrebonne Parish\1071-1072 Bayou Cane Pump Station Drainage Project\Drawing\CAD\DWG\1 Permitt\Permitt\09_PUMP STATION PLAN AND PROFILE.dwg



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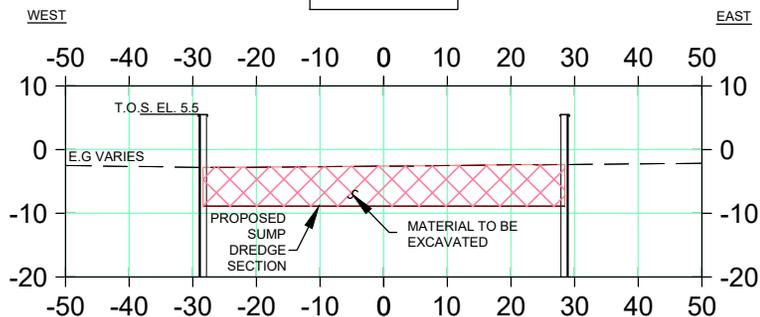
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LA LICENSE NO. 20500

TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

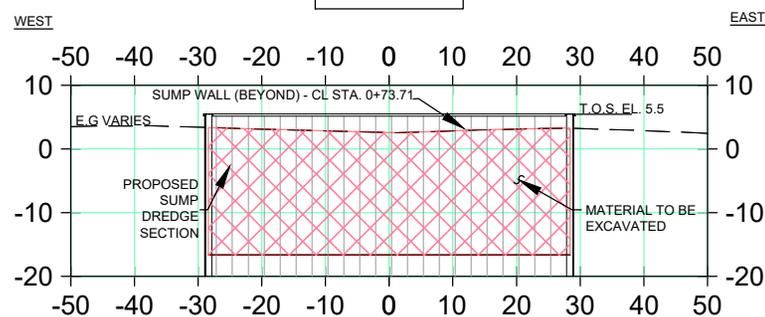
**PUMP STATION
EXCAVATION
SECTION**

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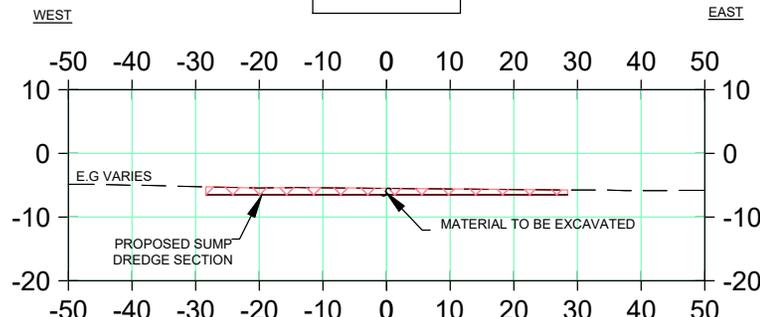
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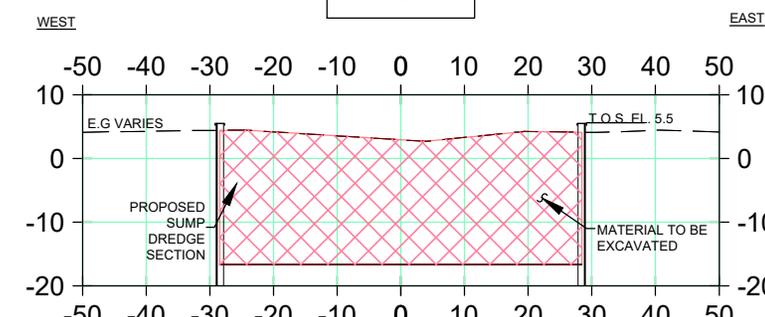
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0+00.00



0+40.00



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MATERIAL EXCAVATED



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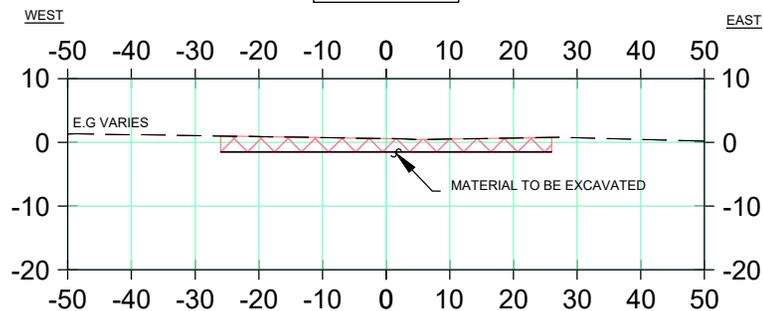
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TERREBONNE PARISH
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BAYOU CANE PUMP STATION

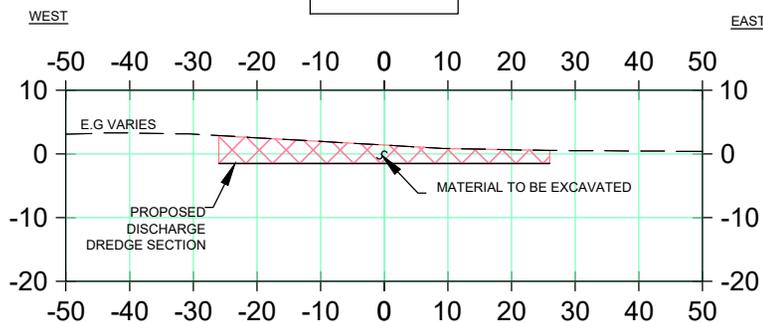
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Checked by	SDP
Checked by	MM
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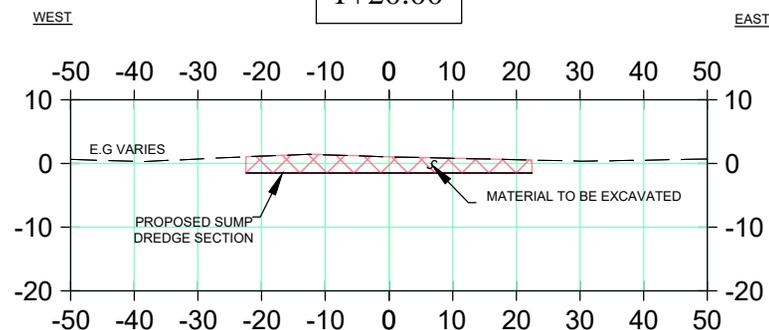
1+00.00



0+80.00



1+20.00



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

 MATERIAL EXCAVATED



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**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**PROPOSED PUMP STATION
AND LEVEE ALIGNMENT
SITE PLAN**

Project number	39130-1071-72
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LEGEND

- BAYOU CANE
- - - PROPOSED EARTHEN LEVEE (35,220 ft)
- - - EXISTING LEVEE
- PROPOSED SUBMERSIBLE PUMPS
- POTENTIAL WETLAND IMPACT (38 ACRES)

M:\Department_39\Client\FG3 - Terrebonne Parish\1071-1072 Bayou Terrebonne Drainage Project\CAD\Drawing\CAD\Permit\12 SITE PLAN (LEVEE ALIGNMENT) 2.dwg



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TERREBONNE PARISH
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BAYOU CANE PUMP STATION

**EARTHEN LEVEE
ALIGNMENT**

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EARTHEN LEVEE SURROUNDING RETENTION AREA (≈ 35,220 FT)

AREA TO BE DREDGED (OUISKI BAYOU) (30.1 ACRES)

STAGING AREA (150 FT X 50 FT)



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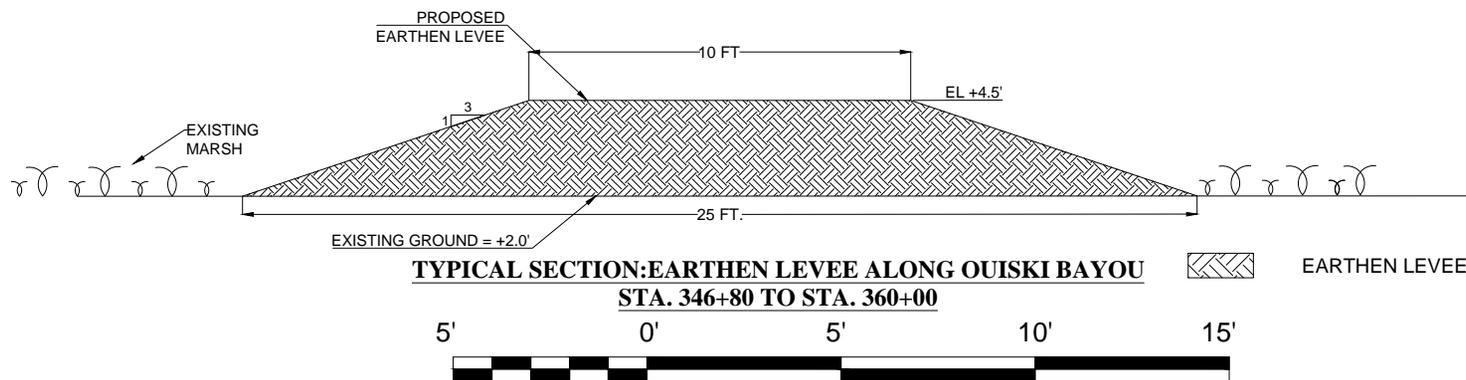
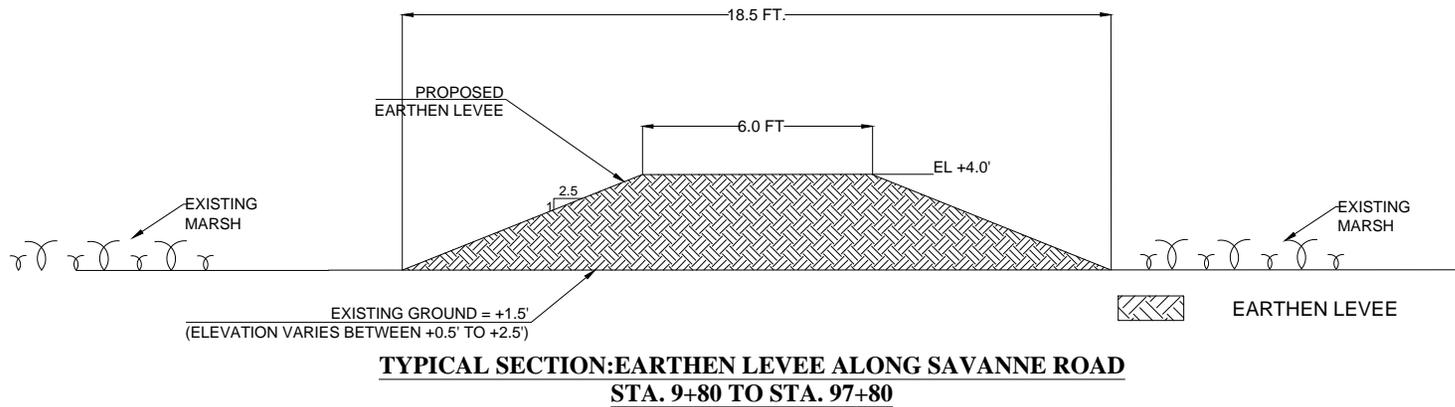
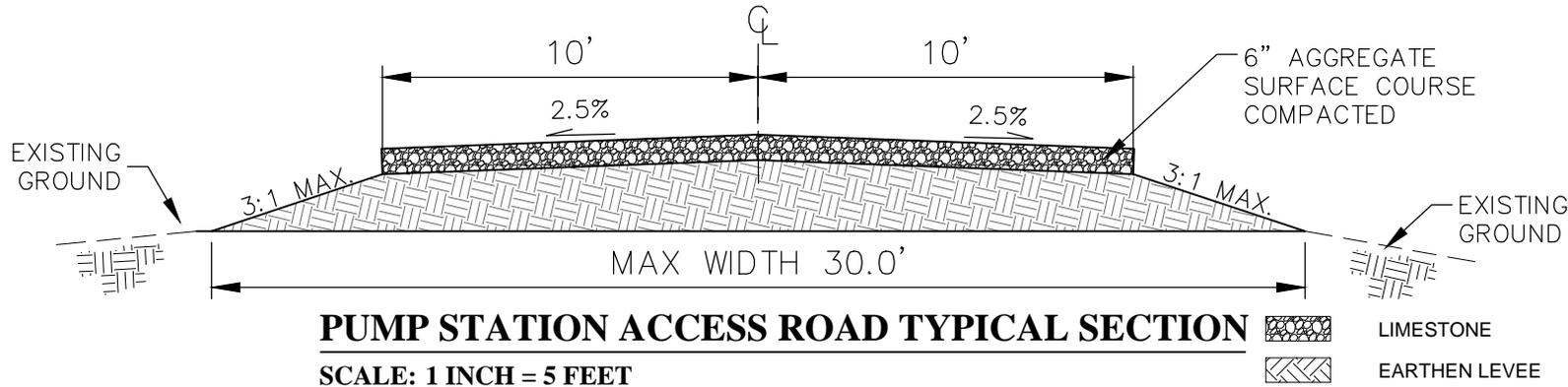
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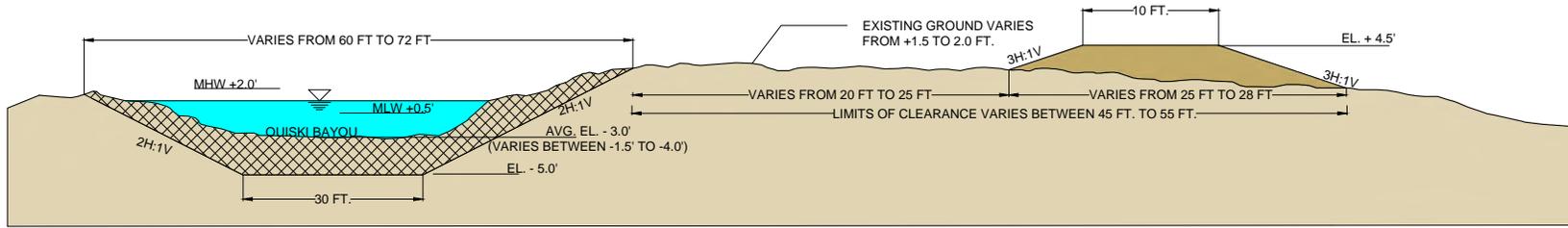
TYPICAL SECTIONS

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NOTE:

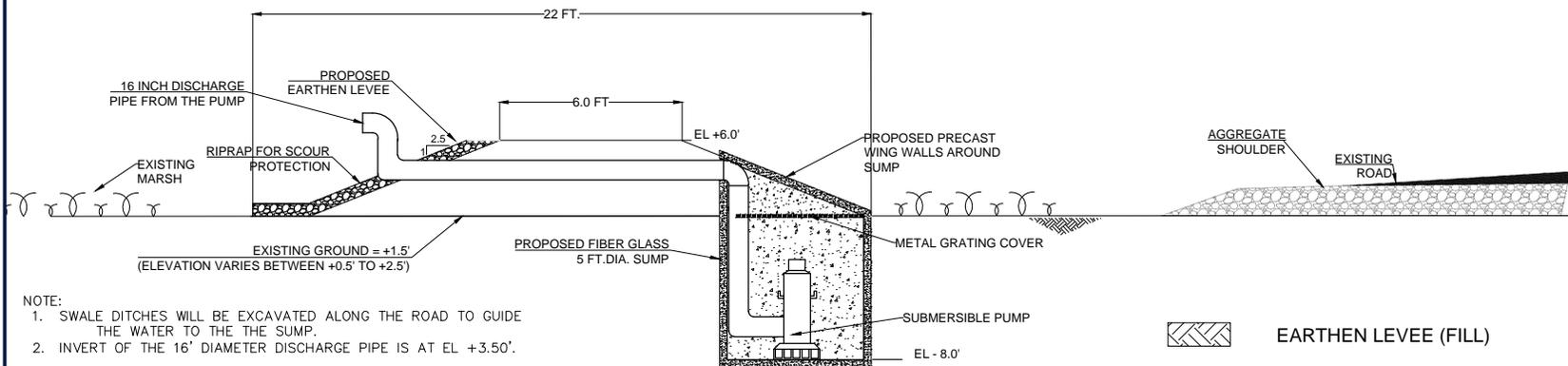
- VOLUME OF MATERIAL REQUIRED: (A) STA. 0+00 TO STA. 9+80 = 600 CY (B) 9+80 TO STA. 97+80 = 17,500 CY. (C) STA. 97+80 TO STA. 346+80 = 46,000 CY. (D) STA. 346+80 TO STA. 360+00 = 3,200 CY. TOTAL = 67,300 CY.
- THE WIDTH OF THE WOODED AREA / CLEARED AREA IS APPROXIMATELY 22 FT. FOR AREA BETWEEN 9+80 TO 97+80 AND APPROXIMATELY 25 FT. FOR AREA BETWEEN 346+80 TO 360+00.
- THE TREES CLEARED WILL BE DISPOSED OFF IN ONE OF THE FOLLOWING MANNER
(A) ONSITE INCINERATION (B) CHIPPING AND DISPOSAL INTO ADJACENT WETLANDS
(C) INCINERATION AT A TPCG FACILITY (D) DISPOSAL AT A LANDFILL
- NO WORK WILL TAKE PLACE BEYOND THE FOOT PRINT OF THE LEVEE IN THESE SECTIONS



TYPICAL SECTION: EARTHEN LEVEE BETWEEN STA. 97+80 TO STA. 346+80

- NOTE:
1. THE WIDTH OF THE WOODED AREA TO BE CLEARED VARIES BETWEEN 45 FT. TO 55 FT.
 2. THE TREES CLEARED WILL BE DISPOSED OFF IN ONE OF THE FOLLOWING MANNER
 (A) ONSITE INCINERATION (B) CHIPPING AND DISPOSAL INTO ADJACENT WETLANDS
 (C) INCINERATION AT A TPCG FACILITY (D) DISPOSAL AT A LANDFILL

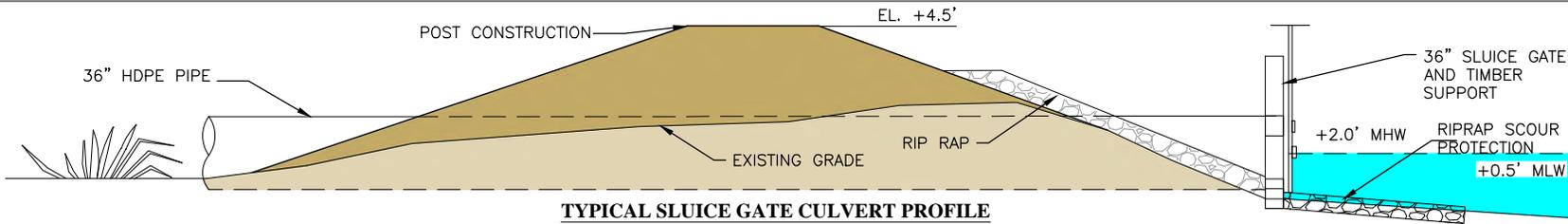
 AREA TO BE DREDGED
 EARTHEN LEVEE (FILL)



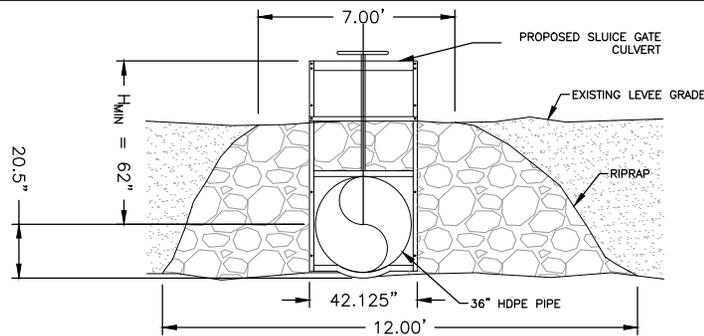
- NOTE:
1. SWALE DITCHES WILL BE EXCAVATED ALONG THE ROAD TO GUIDE THE WATER TO THE THE SUMP.
 2. INVERT OF THE 16' DIAMETER DISCHARGE PIPE IS AT EL +3.50'.

 EARTHEN LEVEE (FILL)

TYPICAL SECTION: EARTHEN LEVEE AND SUBMERSIBLE PUMPS ALONG SAVANNE ROAD



TYPICAL SLUICE GATE CULVERT PROFILE



TYPICAL SLUICE GATE CULVERT DETAILS

H_{MIN} WILL VARY AS REQUIRED.

NOTE: THE TYPICAL ILLUSTRATIONS ABOVE ARE NOT TO SCALE.



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**TERREBONNE PARISH
 CONSOLIDATED GOVERNMENT
 BAYOU CANE PUMP STATION**

TYPICAL SECTIONS

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**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**OPERATIONS
SCHEDULE**

Project number	39130-1071-72
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BAYOU CANE PUMP STATION OPERATIONS PLAN

PUMP NUMBER	PUMP ON WATER ELEVATION	PUMP OFF WATER ELEVATION
LEAD PUMP 1	- 0.50 FT.	- 2.0 FT.
LAG PUMP 2	- 0.40 FT.	- 1.50 FT.
LAG PUMP 3	- 0.10 FT.	- 0.70 FT.
LAG PUMP 4	+ 0.20 FT.	- 0.40 FT.

SUBMERSIBLE PUMPS OPERATIONS PLAN

PUMP NUMBER	PUMP ON WATER ELEVATION	PUMP OFF WATER ELEVATION
PUMP 1	- 0.50 FT.	- 6.0 FT.
PUMP 2	- 0.50 FT.	- 6.0 FT.
PUMP 3	- 0.50 FT.	- 6.0 FT.
PUMP 4	- 0.50 FT.	- 6.0 FT.

SLUICE GATES OPERATIONS PLAN

WEATHER CONDITIONS	OUISKI BAYOU GATES	BAYOU CANE GATES
PRE-STORM	OPEN	CLOSED
RAINFALL /STORM / HURRICANE EVENT	CLOSED	CLOSED
POST STORM (TILL MARSH WATER LEVEL IS ACHIEVED)	OPEN (REGULATED FLOW INTO OUISKI BAYOU)	OPEN (REGULATED FLOW INTO BAYOU CANE)

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

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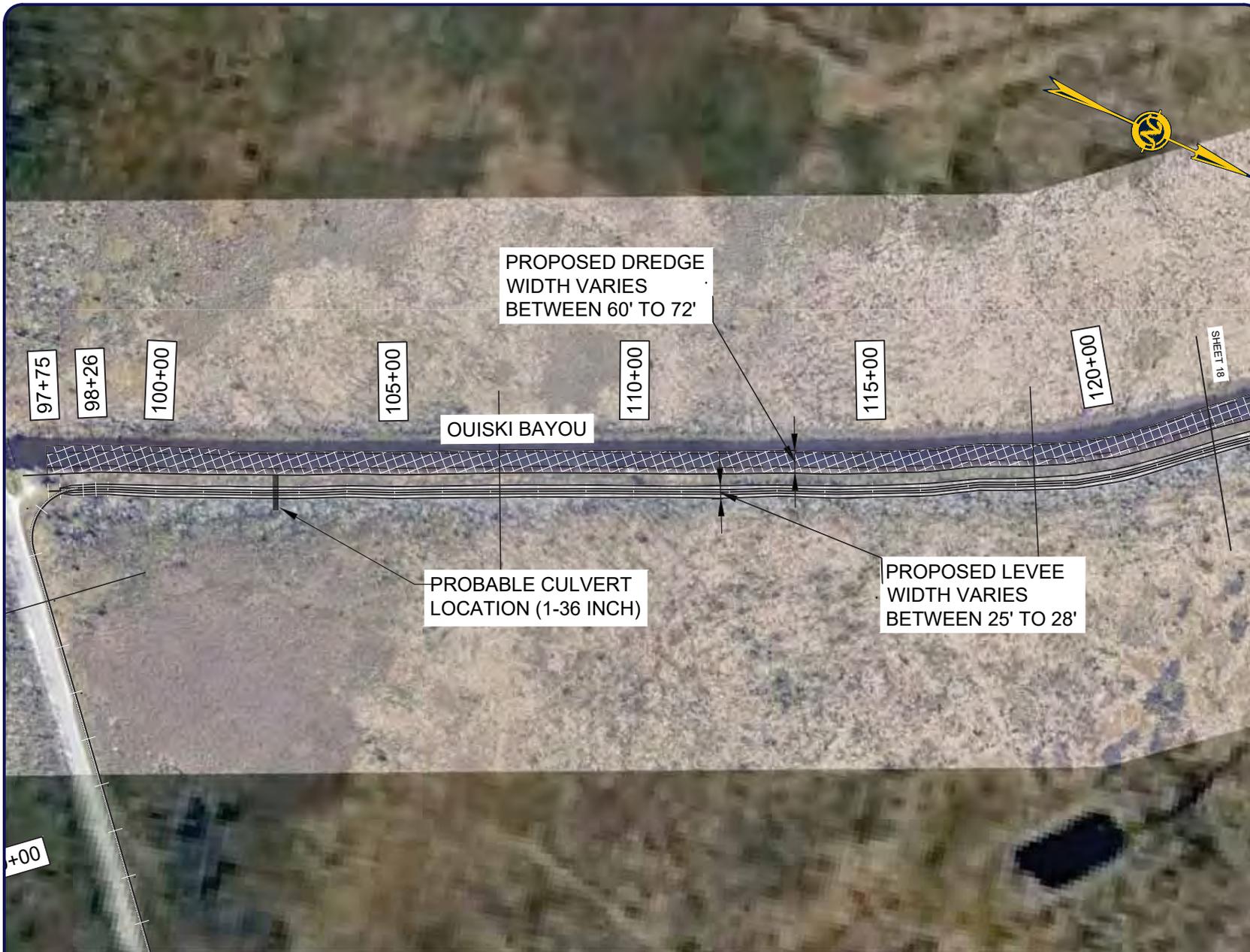
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**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**OUISKI BAYOU
LEVEE AND DREDGING
DETAILED PLAN VIEW**

Project number	39130-1071-72
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TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

OUISKI BAYOU
LEVEE AND DREDGING
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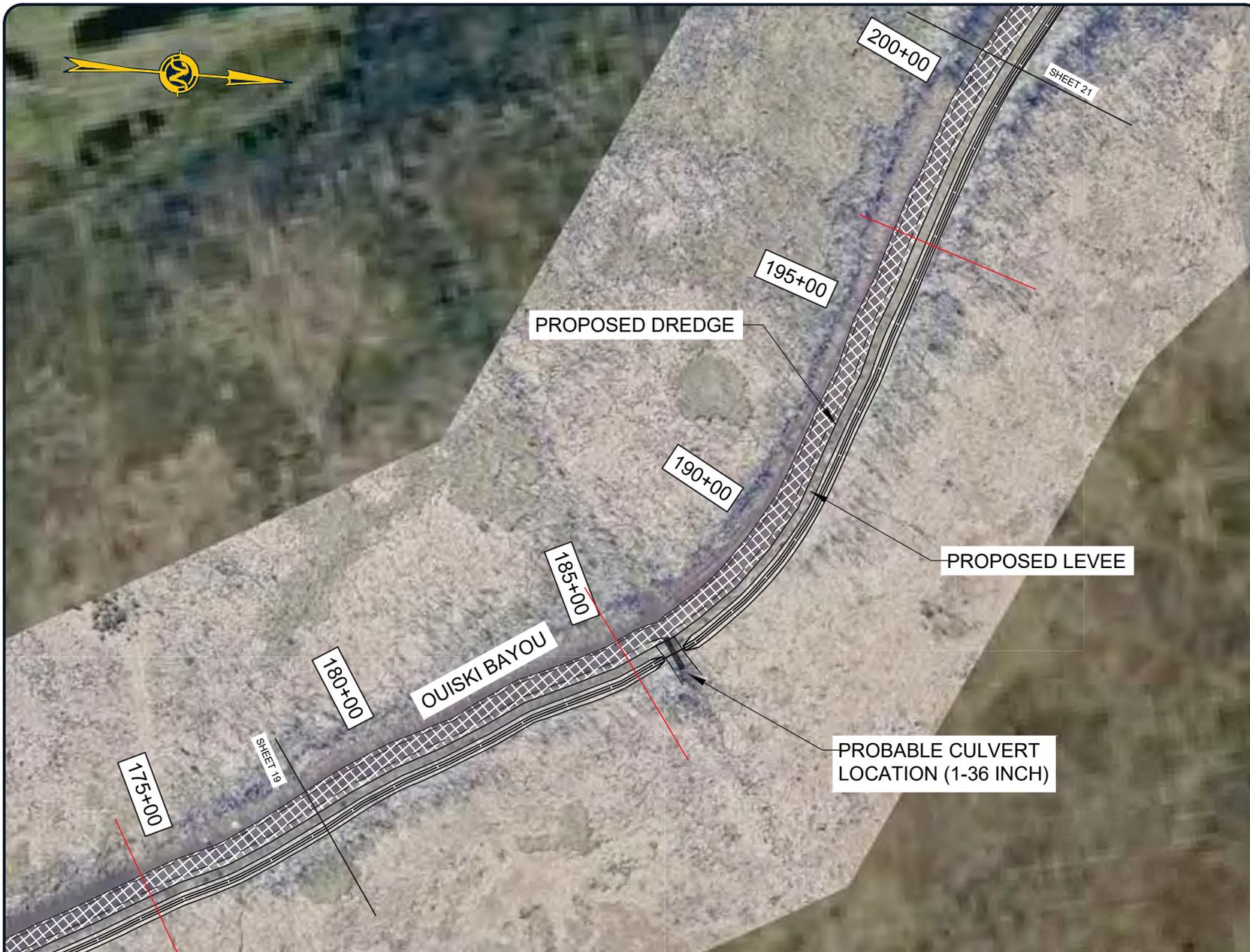
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**TERREBONNE PARISH
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BAYOU CANE PUMP STATION**

**OUISKI BAYOU
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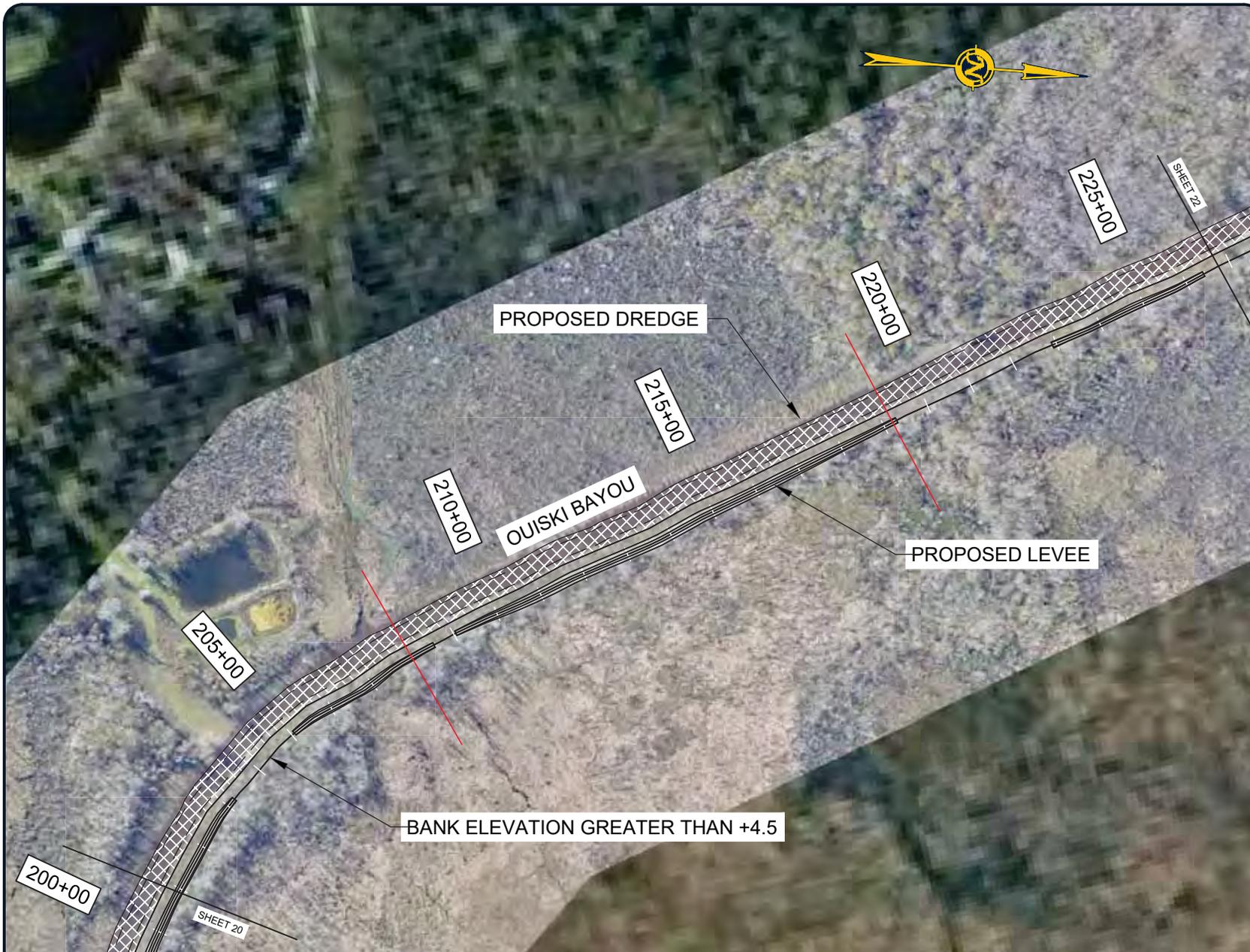
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**TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION**

**OUISKI BAYOU
LEVEE AND DREDGING
DETAILED PLAN VIEW**

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TERREBONNE PARISH
CONSOLIDATED GOVERNMENT
BAYOU CANE PUMP STATION

OUISKI BAYOU
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**TERREBONNE PARISH
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**OUISKI BAYOU
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PROPOSED DREDGE

OUISKI BAYOU

PROPOSED LEVEE

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**TERREBONNE PARISH
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**OUISKI BAYOU
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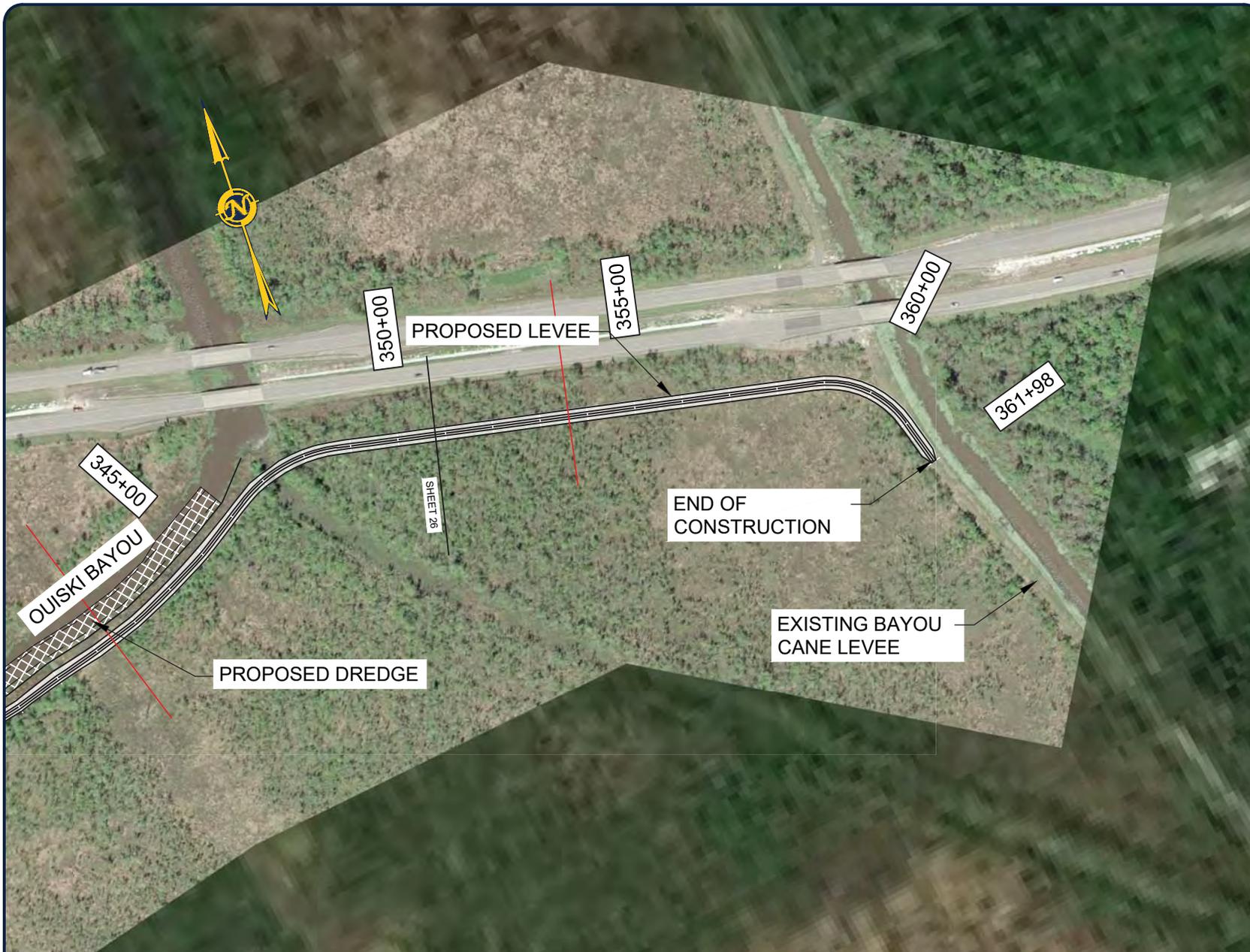
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