

JOINT PUBLIC NOTICE

November 12, 2018

United States Army
Corps of Engineers
New Orleans District
Attn: Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118

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

Project Manager: Dirreen Arnold
(504) 862-2301 / fax: (504) 862-2574
dirreen.s.arnold@usace.army.mil
Permit Application Number:
MVN-2018-01387-CA

Project Manager:
Elizabeth Hill
(225) 219-3225 / fax: (225) 219-3156
WQC Application Number:
WQC-181107-02

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

Application has also been made to the Louisiana Department of Environmental Quality, Office of Environmental Services, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act.

PROPOSED DREDGING FOR ACCESS, WELL INSTALLATIONS AND FLOWLINES, TAMBOUR BAY, TERREBONNE PARISH

NAME OF APPLICANT: HILCORP ENERGY, c/o Providence Engineering and Environmental, Attn: Regina Staten, 1201 Main Street, Baton Rouge, Louisiana 70802

LOCATION OF WORK: Tambour Bay, approximately 4.2 miles south of Cocodrie, Louisiana, (29.186633, -90.654091), in Terrebonne Parish, as shown on the enclosed drawings, within Hydrologic Unit Code 08090302, West Central Louisiana Coastal, Louisiana.

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to dredge an access channel in order to install and maintain a proposed drill barge, platform and appurtenant structures to drill the U2 #27 Side Track and Hood Prospects. Approximately 5,072 cubic yards of native material will be displaced via propwashing and 48,715 cubic yards of open water will be hydraulically dredged to access the well sites. A dredge discharge line will be used to transport the hydraulically dredged material from open water to the spoil placement areas at an elevation conducive to the establishment of marsh habitat. If the wells are successful, approximately 5,205 linear feet of one (1) two-inch diameter gas line and approximately 5,205 linear feet of one (1) four-inch diameter flowline will be installed from the wells to an existing facility.

The applicant has stated that the project has been designed to avoid and minimize direct and secondary adverse impacts to the maximum extent practicable. The proposed project will not directly impact any jurisdictional wetlands and compensatory mitigation is not anticipated.

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

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

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, pre-historical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would not affect any species, nor affect any habitat designated as critical to the survival and recovery of such species, listed as endangered by the U.S. Department of Interior. The New Orleans District has determined that the proposed project is located within waters known to be occupied by the endangered West Indian Manatee (*Trichechus manatus*) and determined with the inclusion of the Standard Manatee Conditions for In-Water Activities the proposed activity is not likely to adversely affect the species based on the Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that with the inclusion of the Standard Manatee Conditions for In-Water Activities, the proposed work is not likely to adversely affect the West Indian Manatee.

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 or alteration of 0.0 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.

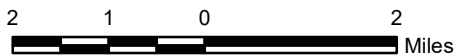
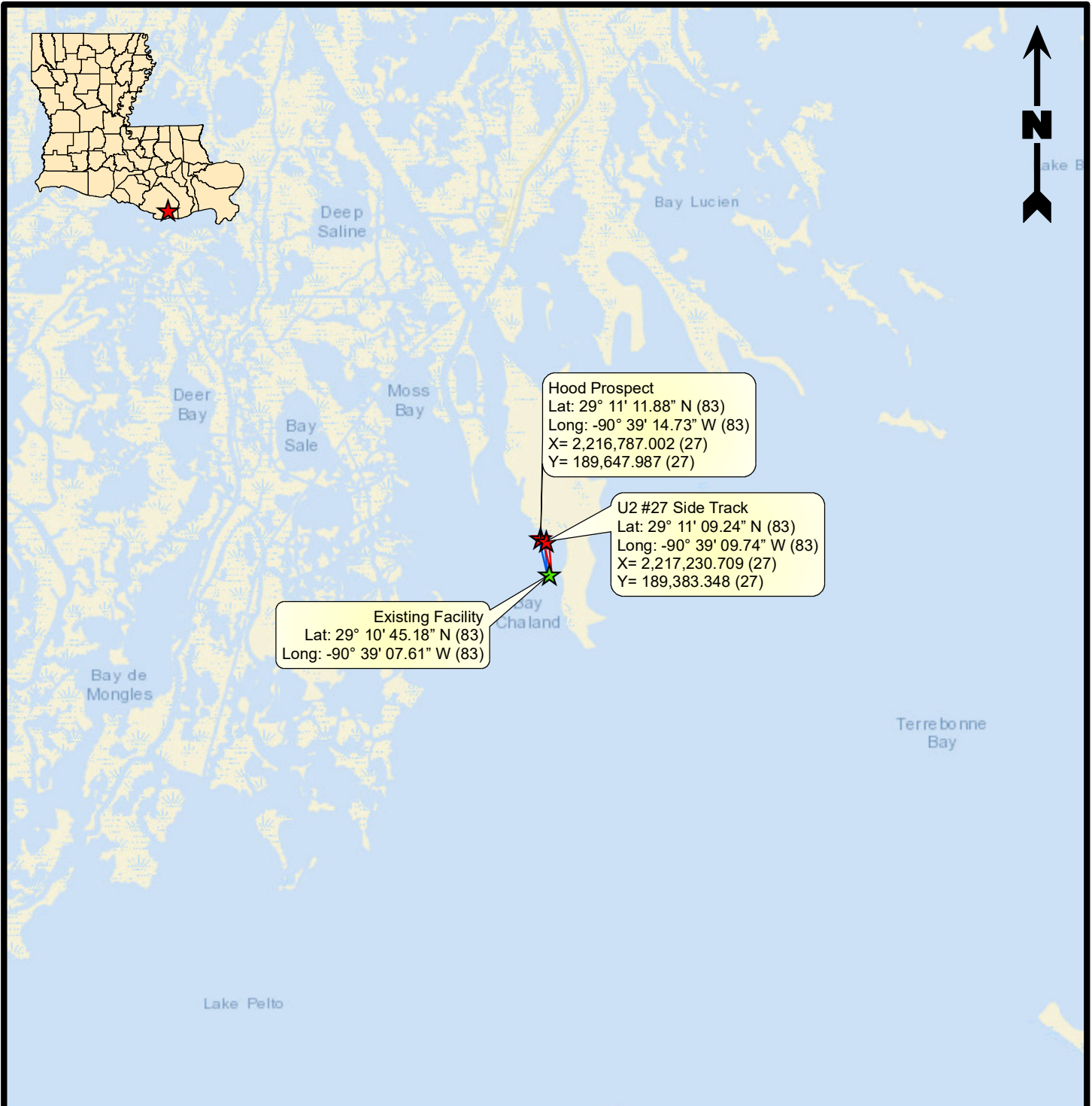
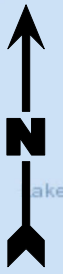
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not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

Enclosure



Legend

-  Prospect Locations
-  Existing Facility
-  Proposed 4" Flowlines (~5,205 Total Linear Feet)
-  Proposed 2" Gaslines (~5,205 Total Linear Feet)

Reference

Base map comprised of ESRI StreetMap USA data.

Vicinity Map

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company

U2 #27 Side Track and Hood Prospect



PROVIDENCE

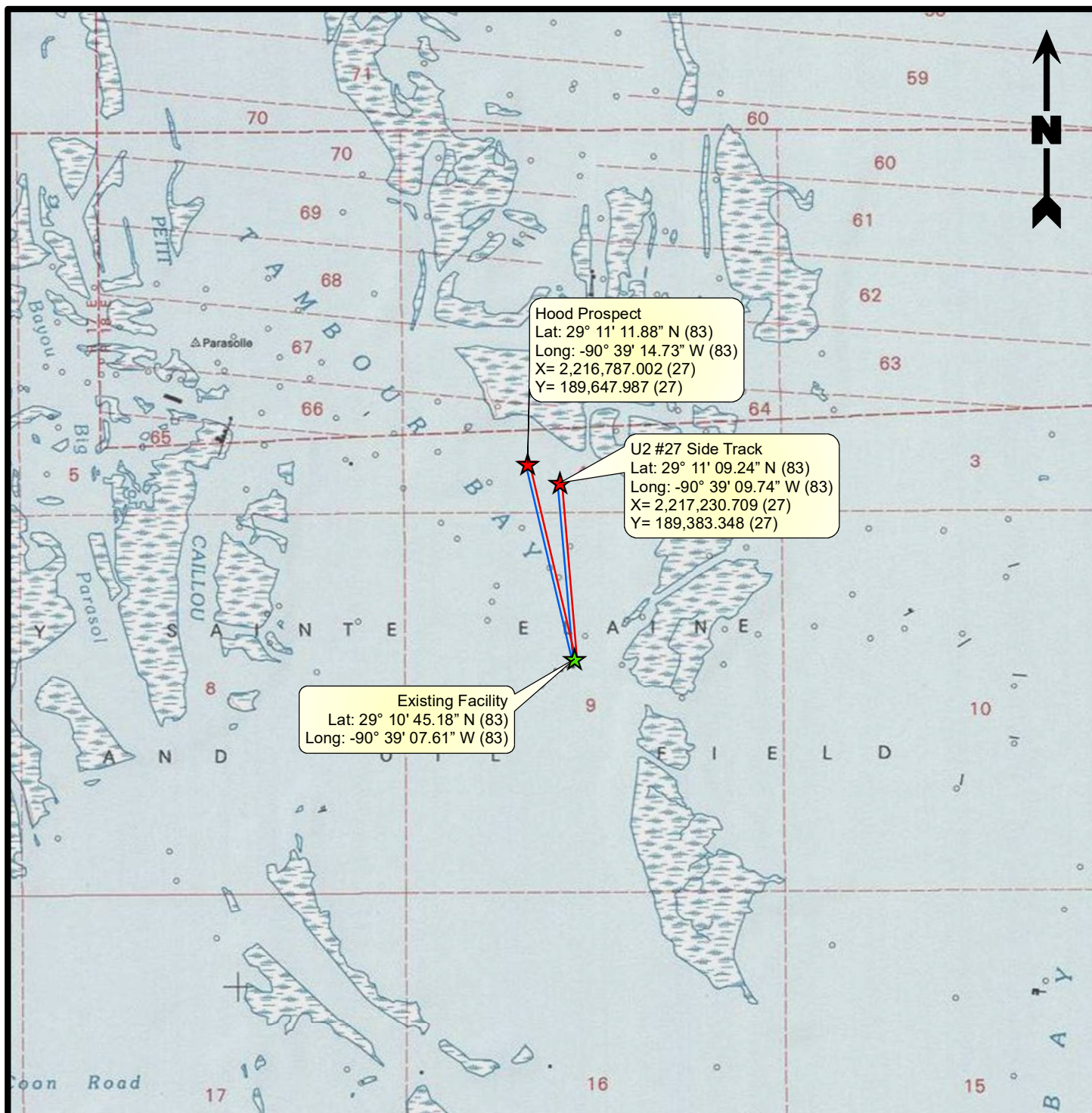
Drawn By	TDJ	9/17/18
Checked By	OPB	9/17/18
Approved By	RS	9/17/18

Project Number
1140-040

Drawing Number
1140-040-A001

1

Figure



Legend

- ★ Prospect Locations
- ★ Existing Facility
- Proposed 4" Flowlines (~5,205 Total Linear Feet)
- Proposed 2" Gaslines (~5,205 Total Linear Feet)

Reference

Base map comprised of United States Geological Survey (USGS) 7.5-minute topographic map, "Cocodrie, LA".

Site Location Map

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company

U2 #27 Side Track and Hood Prospect



PROVIDENCE

Drawn By	TDJ	9/17/18
Checked By	OPB	9/17/18
Approved By	RS	9/17/18

Project Number
1140-040

Drawing Number
1140-040-A002

2

Figure



Hood Prospect
Lat: 29° 11' 11.88" N (83)
Long: -90° 39' 14.73" W (83)
X= 2,216,787.002 (27)
Y= 189,647.987 (27)

U2 #27 Side Track
Lat: 29° 11' 09.24" N (83)
Long: -90° 39' 09.74" W (83)
X= 2,217,230.709 (27)
Y= 189,383.348 (27)

Existing Facility
Lat: 29° 10' 45.18" N (83)
Long: -90° 39' 07.61" W (83)

1,000 500 0 1,000
Feet

Legend

- ★ Prospect Locations
- ★ Existing Facility
- Proposed 4" Flowlines (~5,205 Total Linear Feet)
- Proposed 2" Gaslines (~5,205 Total Linear Feet)

Reference

Base map comprised of United States Geological Survey (USGS)
7.5-minute topographic map, "Cocodrie, LA".

Aerial Photograph

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company

U2 #27 Side Track and Hood Prospect



PROVIDENCE

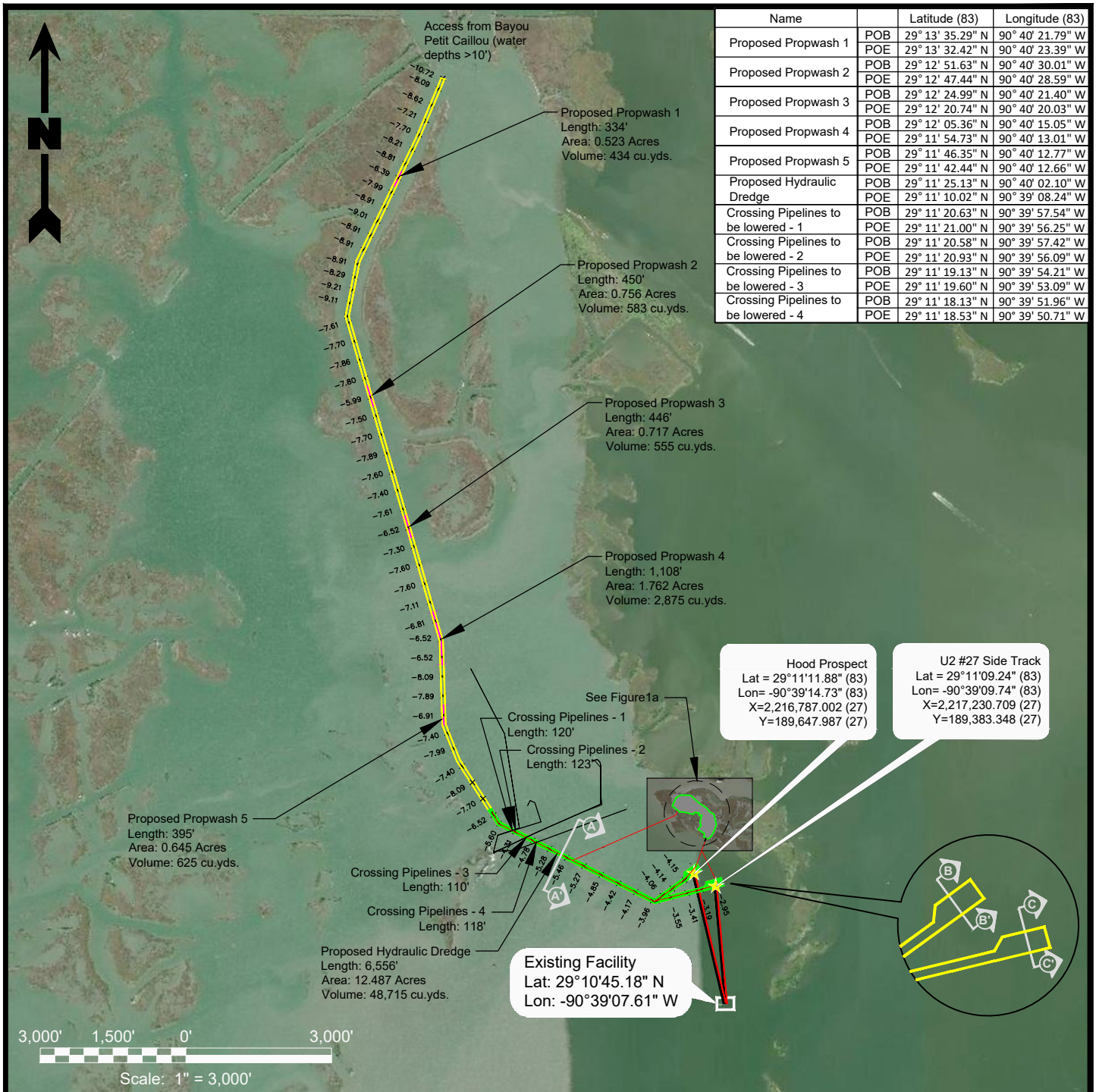
Drawn By	TDJ	9/17/18
Checked By	OPB	9/17/18
Approved By	RS	9/17/18

Project Number
1140-040

Drawing Number
1140-040-A003

3

Figure



Legend

- Proposed 4" Flowlines (~5,205 Total Linear Feet)
- Proposed 2" Gaslines (~5,205 Total Linear Feet)
- Proposed Propwash Area (High Tide Total = 5,072 cu.yds.)
- Proposed Hydraulic Dredge (High Tide Total = 48,715 cu.yds.)
- ★ Proposed Well Location

Notes

- Quantities calculated using survey conducted on 8/14/2018.
- Mean high water +1.0' NAVD88.
- Water line at time of survey was +0.5' NAVD88.
- Calculations based on 70' wide canal, 7.5' Draft, and 0.5' Clearance.

Reference

Base map comprised of Bing Maps aerial imagery (c) 2018.

Access Site Plan

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company
U2 #27 Side Track and Hood Prospect



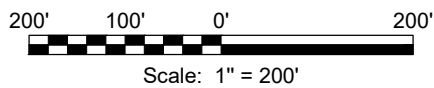
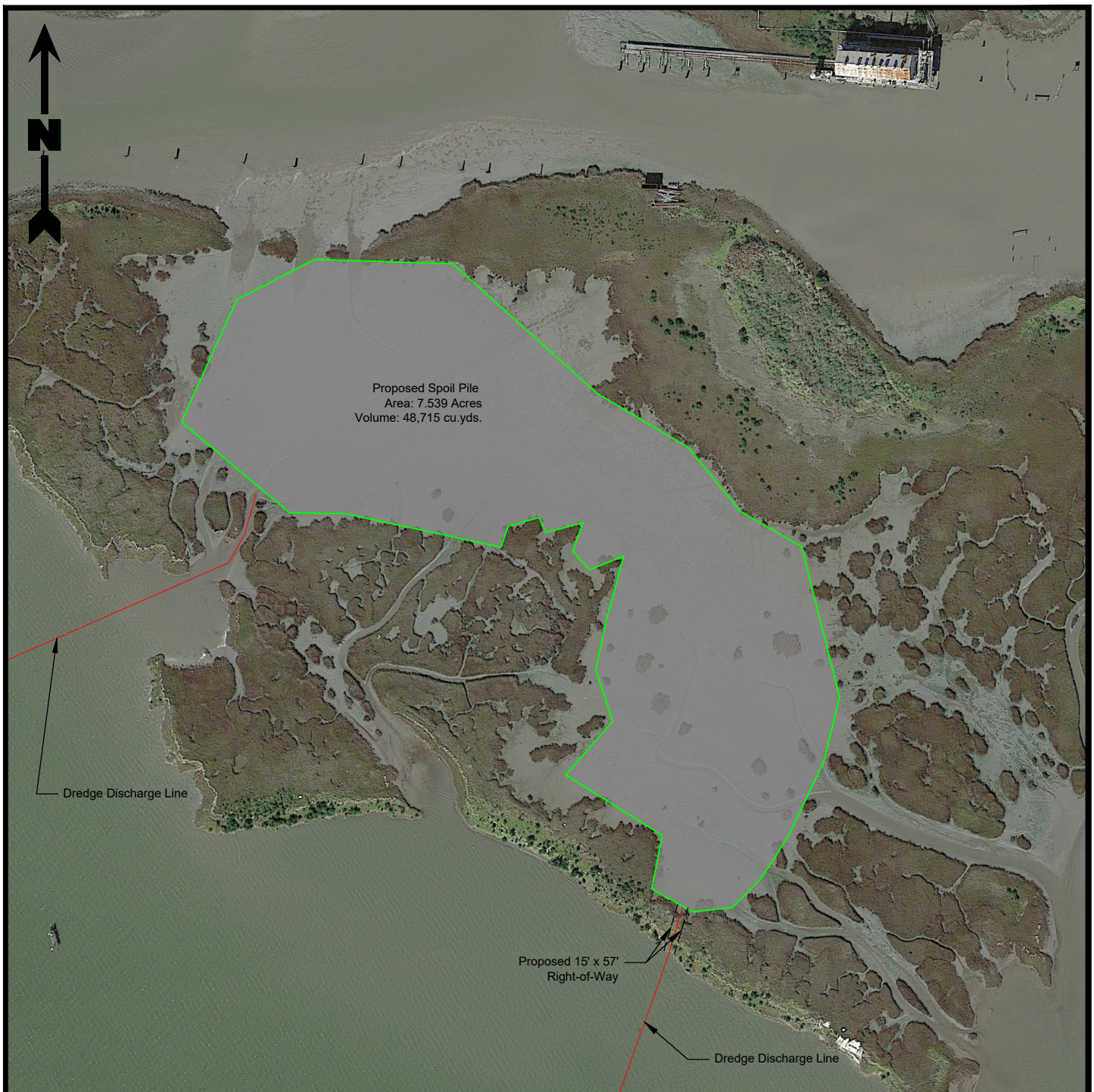
PROVIDENCE

Drawn By	JS	10/04/18
Checked By	TDJ	10/04/18
Approved By	RS	10/04/18

Project Number
1140-040-000
Drawing Number
1140-040-A001

4a

Figure



Legend

 Proposed Spoil Pile (~48,715 cu.yds.)

Notes

1. Quantities calculated using survey conducted on 8/14/2018.
2. Mean high water +1.0' NAVD88.
3. Water line at time of survey was +0.5' NAVD88.
4. Calculations based on 70' wide canal, 7.5' Draft, and 0.5' Clearance.

Reference

Base map comprised of Bing Maps aerial imagery (c) 2018.

Access Site Plan

Joint Permit Application

Terrebonne Parish, Louisiana

Hilcorp Energy Company

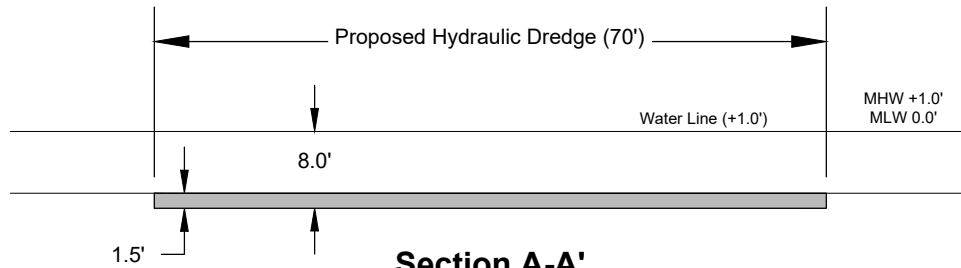
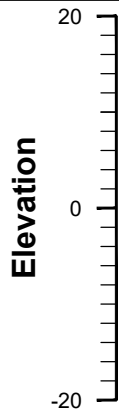
U2 #27 Side Track and Hood Prospect



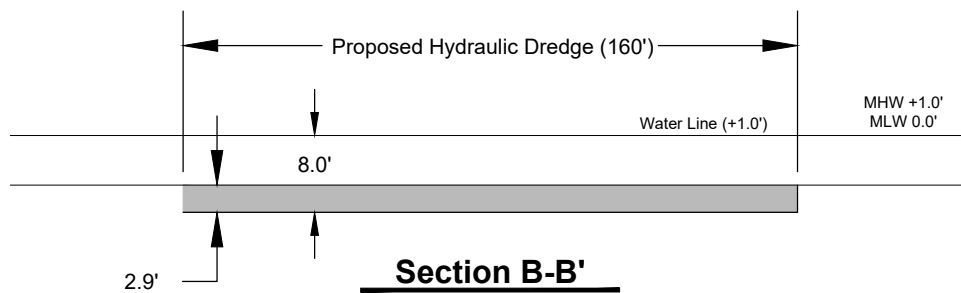
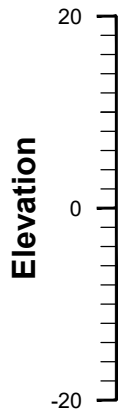
Drawn By	JJS	10/23/18
Checked By	TDJ	10/04/18
Approved By	RS	10/04/18

Project Number
1140-040-000
Drawing Number
1140-040-A001

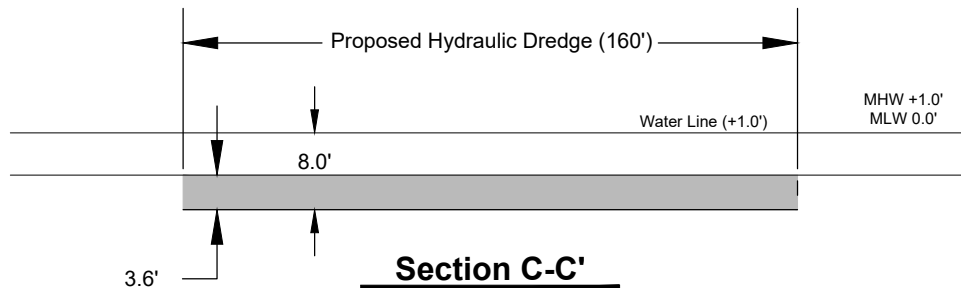
4b
Figure



Section A-A'
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 20'



Section B-B'
Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 20'



Section C-C'
Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 20'



Note

Access will be during high tide.

Reference

Details comprised from client provided figure.

Access Details

Joint Permit Application

Terrebonne Parish, Louisiana

Hilcorp Energy Company

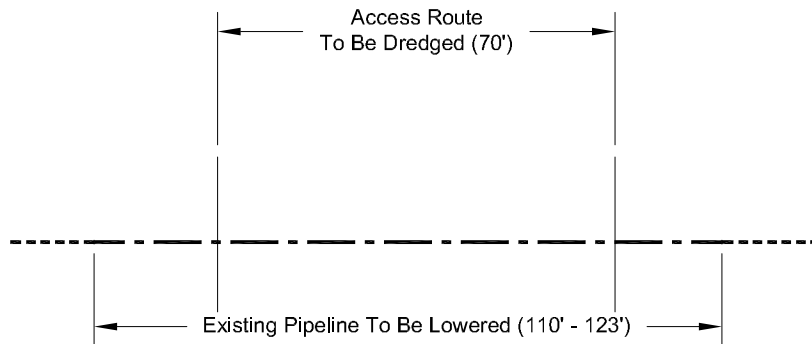
U2 #27 Side Track and Hood Prospect



Drawn By	JS	10/04/18
Checked By	TDJ	10/04/18
Approved By	RS	10/04/18

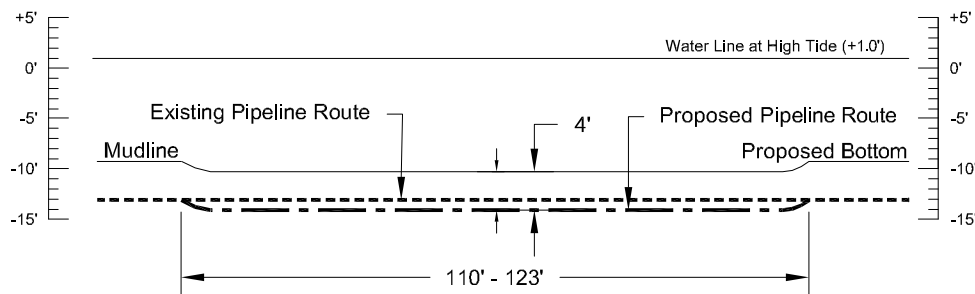
Project Number
1140-040-000
Drawing Number
1140-040-A002

5a
Figure



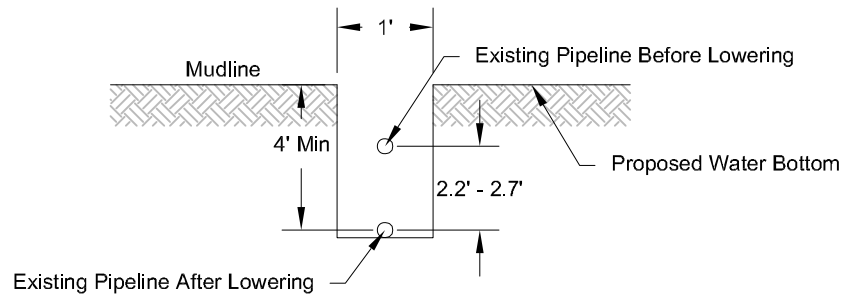
Typical Plan View

Not to Scale



Typical Pipeline Lowering

Not to Scale



Typical Pipeline Lowering Cross-Section

Not to Scale

Note

All existing pipelines will be lowered to a depth that provided 4' of cover post-propwashing.

Reference

Details comprised from client provided figure.

Flowline Lowering Details

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company
U2 #27 Side Track and Hood Prospect



PROVIDENCE

Drawn By	LMM	10/25/18
Checked By	OB	10/25/18
Approved By	RS	10/25/18

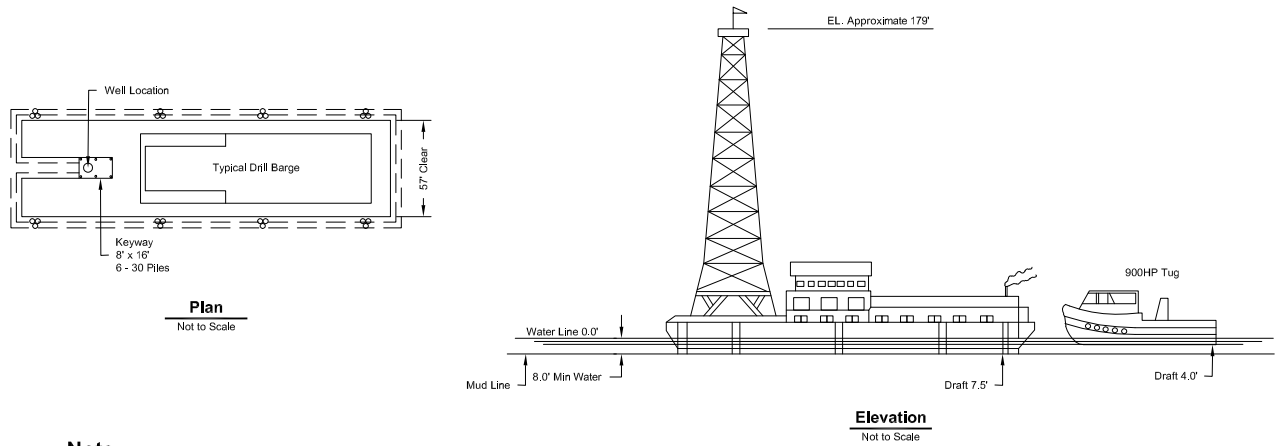
Project Number
1140-040

Drawing Number
1140-040-A010

5b

Figure

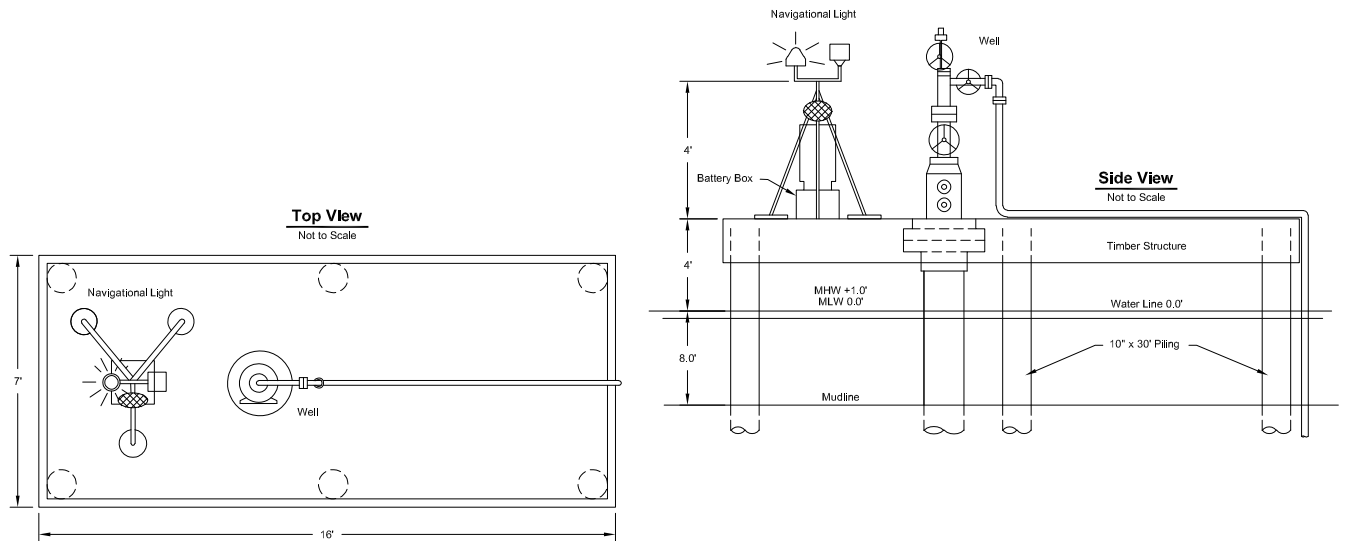
Typical Diesel Powered Drill Barge



Note

8 temporary 3 pile clusters to be driven to assist in removing drill barge from location. Temporary clusters to be pulled when permanent well guard is installed.

Typical Well Head Protector



Reference

Details comprised from client provided figure.

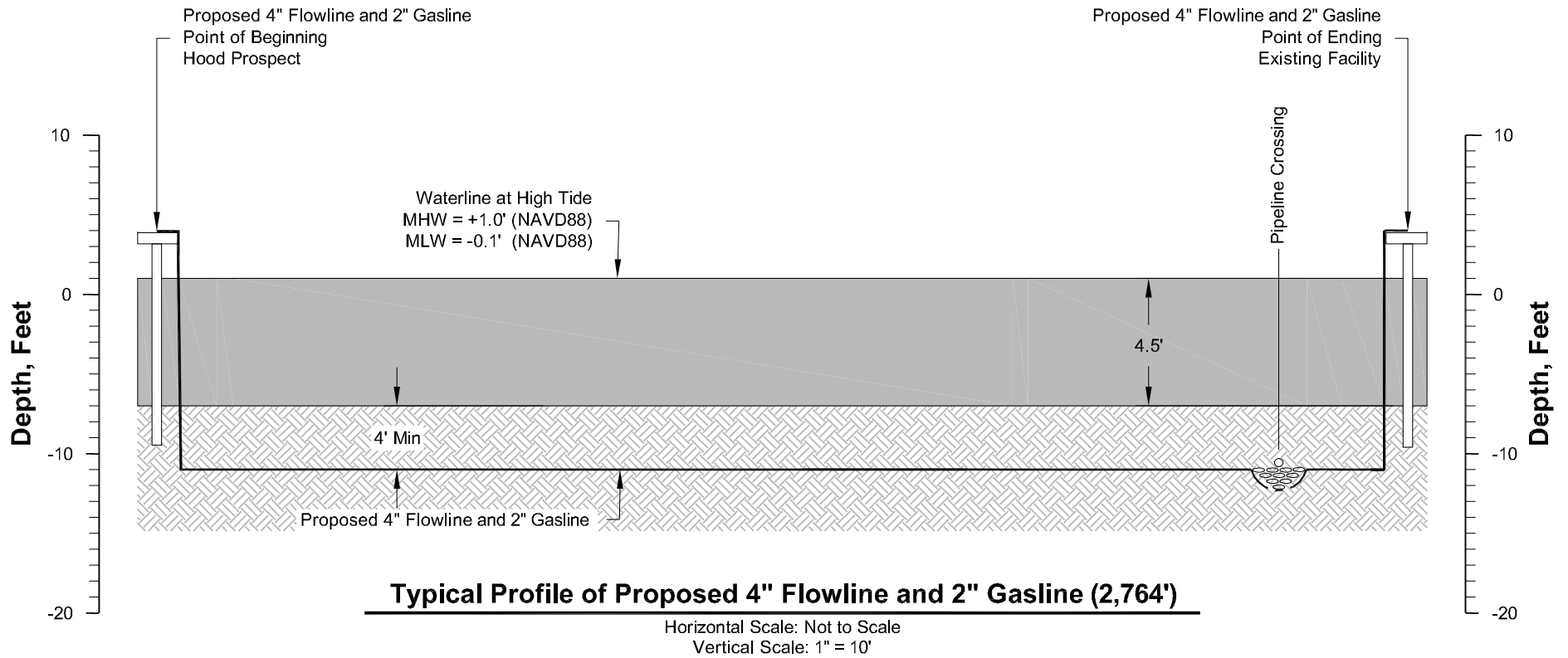
Well Details

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company
U2 #27 Side Track and Hood Prospect



Drawn By	LMM	10/12/18
Checked By	OB	10/12/18
Approved By	RS	10/12/18
Project Number 1140-040		6 Figure
Drawing Number 1140-040-A005		



Note

Flowline/gasline will be installed during high tide.

Flowline and Gasline Profile

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company

U2 #27 Side Track and Hood Prospect

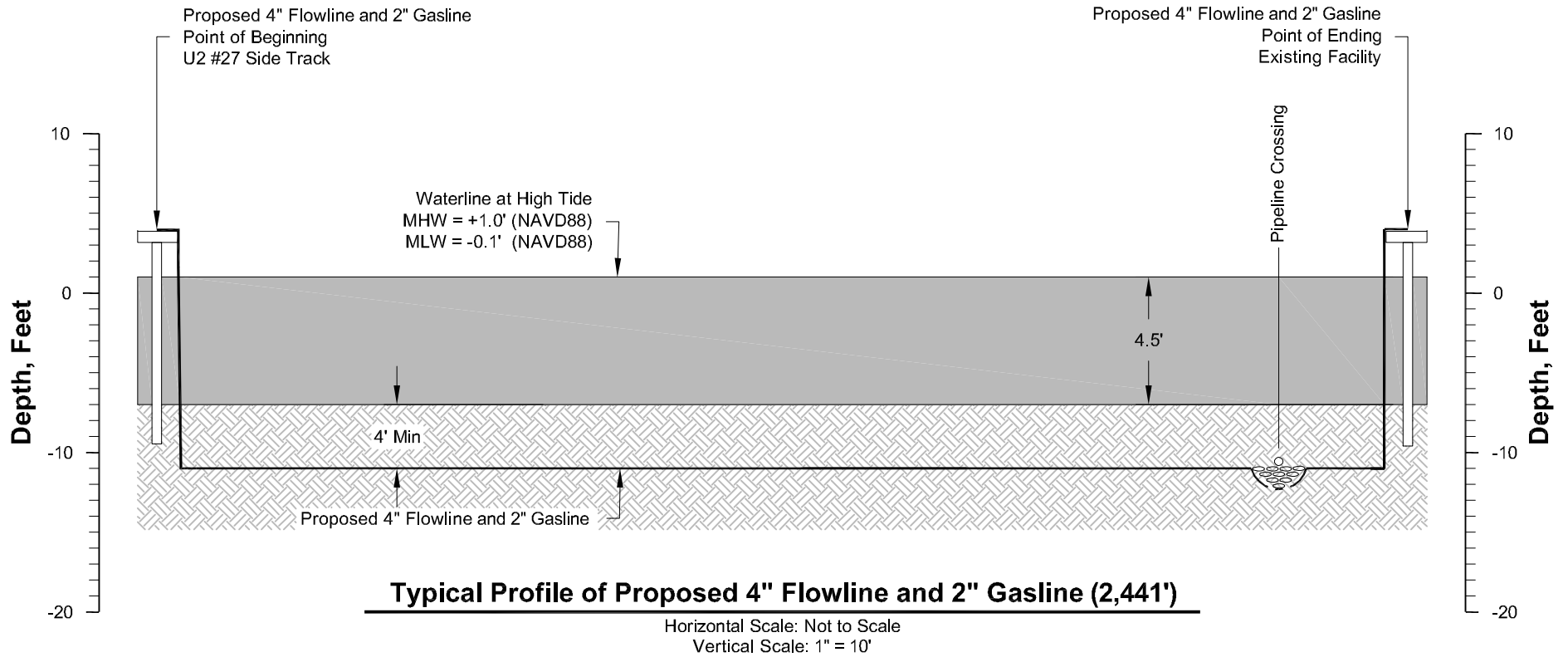


Drawn By	LMM	10/12/18
Checked By	OPB	10/12/18
Approved By	RS	10/12/18

Project Number
1140-040

Drawing Number
1140-040-A006

7a
Figure



Note

Flowline/gasline will be installed during high tide.

Flowline and Gasline Profile

Joint Permit Application
Terrebonne Parish, Louisiana

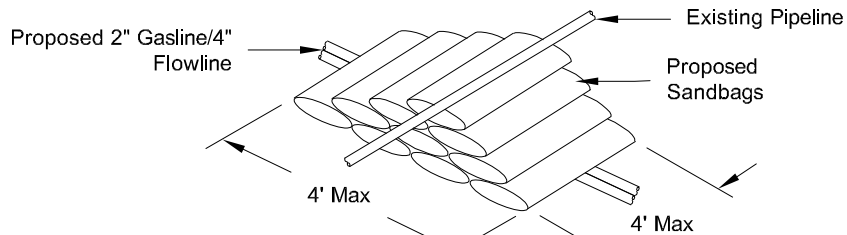
Hilcorp Energy Company
U2 #27 Side Track and Hood Prospect



Drawn By	LMM	10/12/18
Checked By	OPB	10/12/18
Approved By	RS	10/12/18

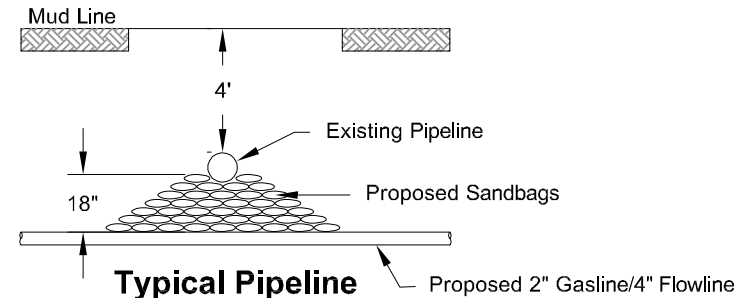
Project Number
1140-040
Drawing Number
1140-040-A007

7b
Figure



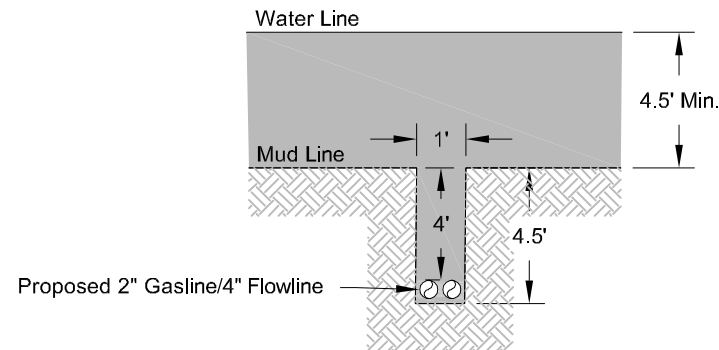
Typical Pipeline Crossing Plan

Not to Scale



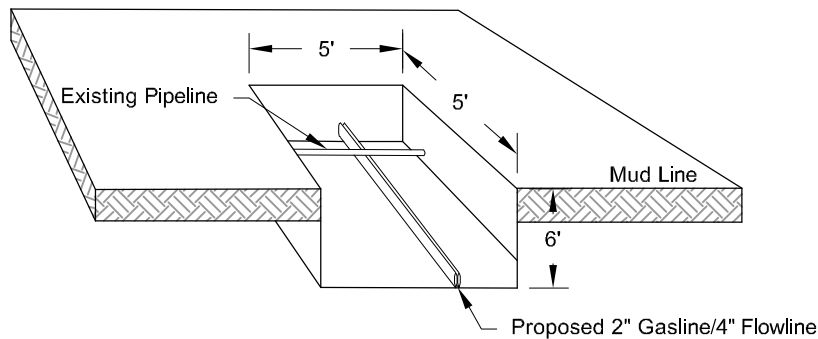
Typical Pipeline Crossing Profile

Not to Scale



Typical Hand Jetting

Not to Scale



Typical Hand Jetting For Pipeline Crossing

Not to Scale

Flowline and Gasline Details

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company

U2 #27 Side Track and Hood Prospect



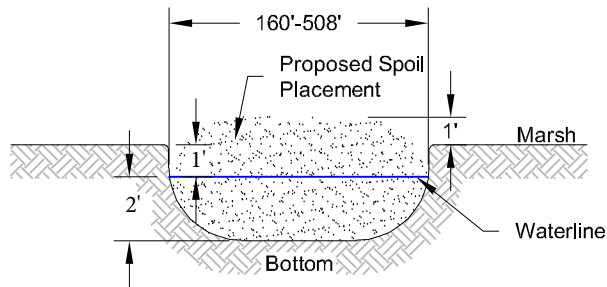
Drawn By	LMM	10/12/18
Checked By	OB	10/12/18
Approved By	RS	10/12/18

Project Number
1140-040

Drawing Number
1140-040-A008

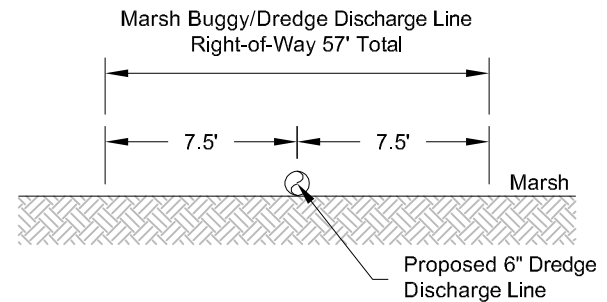
8

Figure



Typical Spoil Placement in Existing Open Water within Marsh Area

Not to Scale



Typical Dredge Discharge Line on Marsh

Not to Scale

Note

Spoil placed in existing open water within marsh area will be stacked to a height one foot above surrounding marsh elevation and allowed to settle.

Spoil Placement Details

Joint Permit Application
Terrebonne Parish, Louisiana

Hilcorp Energy Company

U2 #27 Side Track and Hood Prospect



Drawn By	CMM	10/24/18
Checked By	OB	10/24/18
Approved By	OB	10/24/18

Project Number
1140-040

Drawing Number
1140-040-A009

9

Figure