

JOINT PUBLIC NOTICE

January 13, 2020

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

(504) 862-1288
Project Manager
Zach Steinkoenig
Zachary.j.steinkoenig@usace.army.mil
MVN 2019-00746-CF

State of Louisiana
Department of Environmental Quality
Water Permits Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC #200108-01

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 [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 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 HILCORP ENERGY COMPANY FLOWLINE REMOVAL IN LIRETTE OIL AND GAS FIELD in TERREBONNE PARISH

NAME OF APPLICANT: Hilcorp Energy Company c/o GeoEngineers, Inc., 11955 Lakeland Park Blvd. Suite 100, Baton Rouge, LA 70809

LOCATION OF WORK: In Lirette Oil and Gas Field and partially located in the Pointe-aux-Chenes Wildlife Management Area, in Terrebonne Parish, within the West Central Louisiana Coastal HUC 08090302, as shown on the attached drawings.

CHARACTER OF WORK: The applicant has requested a Department of the Army authorization to remove plug and abandon 23 oil and gas wells and remove approximately 35,365 linear feet of flowline in open water and 19,220 linear feet of flowline in marsh. Approximately 4,584 cubic yards of material will be temporarily displaced in open waters and 8,542 cubic yards will be temporarily displaced in wetlands to remove the flowline. Approximately 17.6 acres of wetlands may be temporarily impacted by marsh buggy in the removal of the flowline. Propwashing for access to remove flowlines will displace 10,707 cubic yards in 9 acres of water bottoms. Approximately 533 cubic yards of rock material will be discharged for bankline stabilization.

A preliminary analysis has determined that the proposed project would temporarily impact 17.7 acres of marsh wetlands.

The applicant is claiming that the proposed project will have no anticipated permanent impacts to vegetative wetlands.

The comment period for the Department of Army Permit and the Louisiana Department of Environmental Quality will close in **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 mailed 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 mailed 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 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, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and State Historic Preservation Officer.

The New Orleans District has determined that the proposed project is located in waters known to be utilized by the West Indian manatee (*Trichechus manatus*) and determined that the proposed activity is not likely to adversely affect the species based on the Standard Local Operating Procedure for Endangered Species of Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service, Ecological Services Office.

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 up to n/a acre 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.

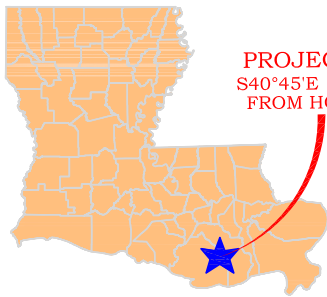
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate 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 P #20190632). 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

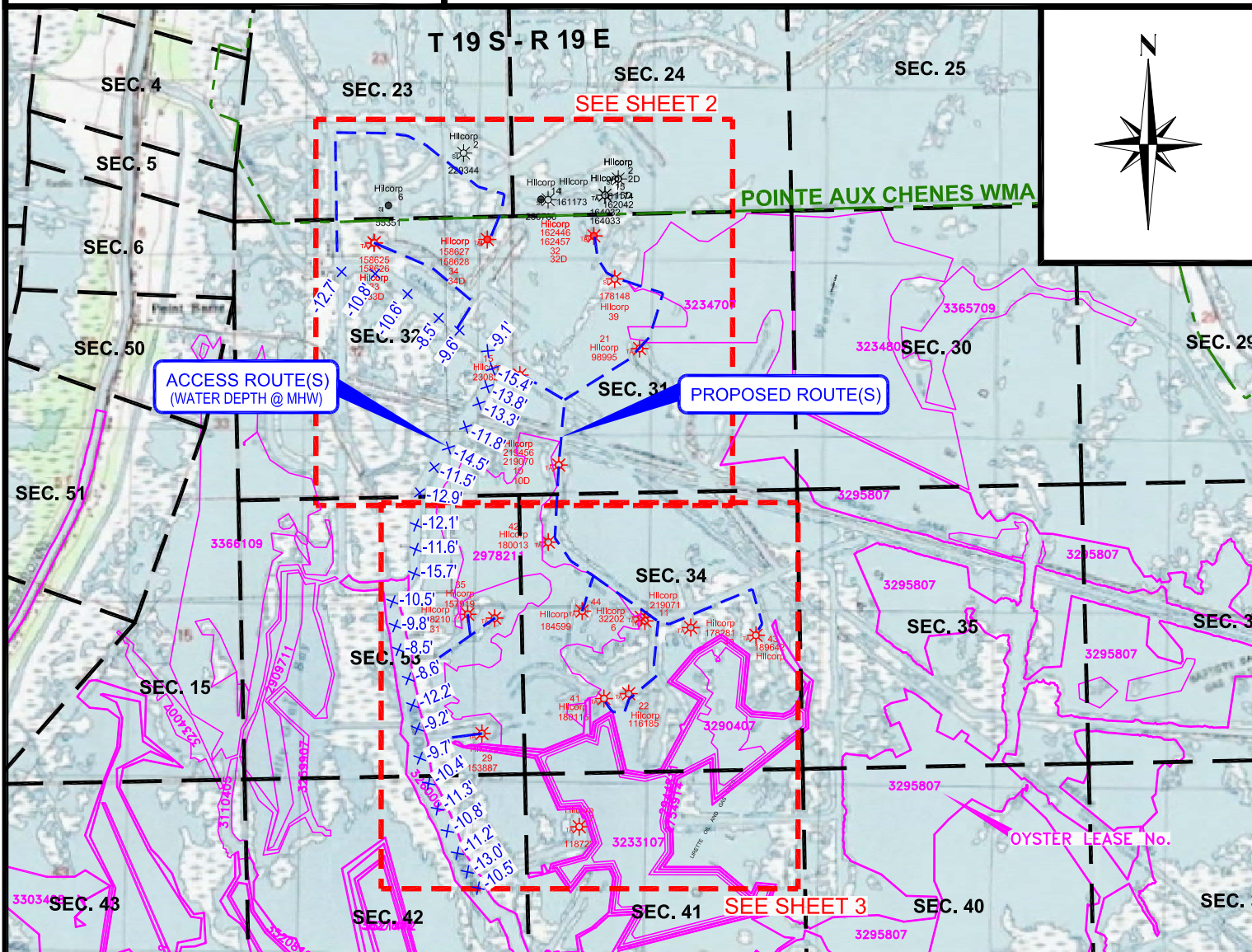
Enclosures



PROJECT AREA
S40°45'E ±17 MILES
FROM HOUMA, LA

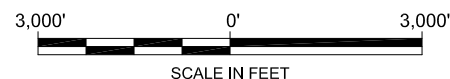
VICINITY MAP
(NOT TO SCALE)

1. All structures, facilities, well and pipelines/flowlines occurring in open water areas or in oilfield canals or slopes shall be removed within 120 days of abandonment of the facilities for the herein permitted use unless prior written approval to leave such structures in place is received from the Office of Coastal Management. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required.
2. As-Built drawings shall have date of completion of shown permitted activities and submitted with 30 days of said date to Louisiana Department of Natural Resources, Office of Coastal Management, P.O. Box 44487, Baton Rouge, LA 70804-4487.
3. Structures shall be marked/lighted in accordance with U.S. Coast Guard regulations.
4. In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL system (1-800-272-3020)(811) a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.



- THIS PLAT IS TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.
- ALL ELEVATIONS AND WATER LEVELS SHOWN ARE BASED ON NAVD 88.
- ALL UNITS OF MEASUREMENT SHOWN ARE BASED ON GRID U.S. FEET.
- AREA MLW = +0.5' NAVD 88
- AREA MHW = +1.5' NAVD 88

LOCAL
AREA VIEW



HILCORP ENERGY COMPANY
1111 TRAVIS STREET
HOUSTON, TEXAS 77002

PROPOSED P&A PROJECT

LIRETTE FIELD

TERREBONNE PARISH, LOUISIANA

PREPARED BY:
SOUTHERN SURVEY SERVICES
LIMITED LIABILITY COMPANY



111 ARABIAN DRIVE
LAFAYETTE, LA 70507
OFFICE: (337) 565-6083
LA REG No. 738

JOB NO.190142

SIZE: 8.5x11

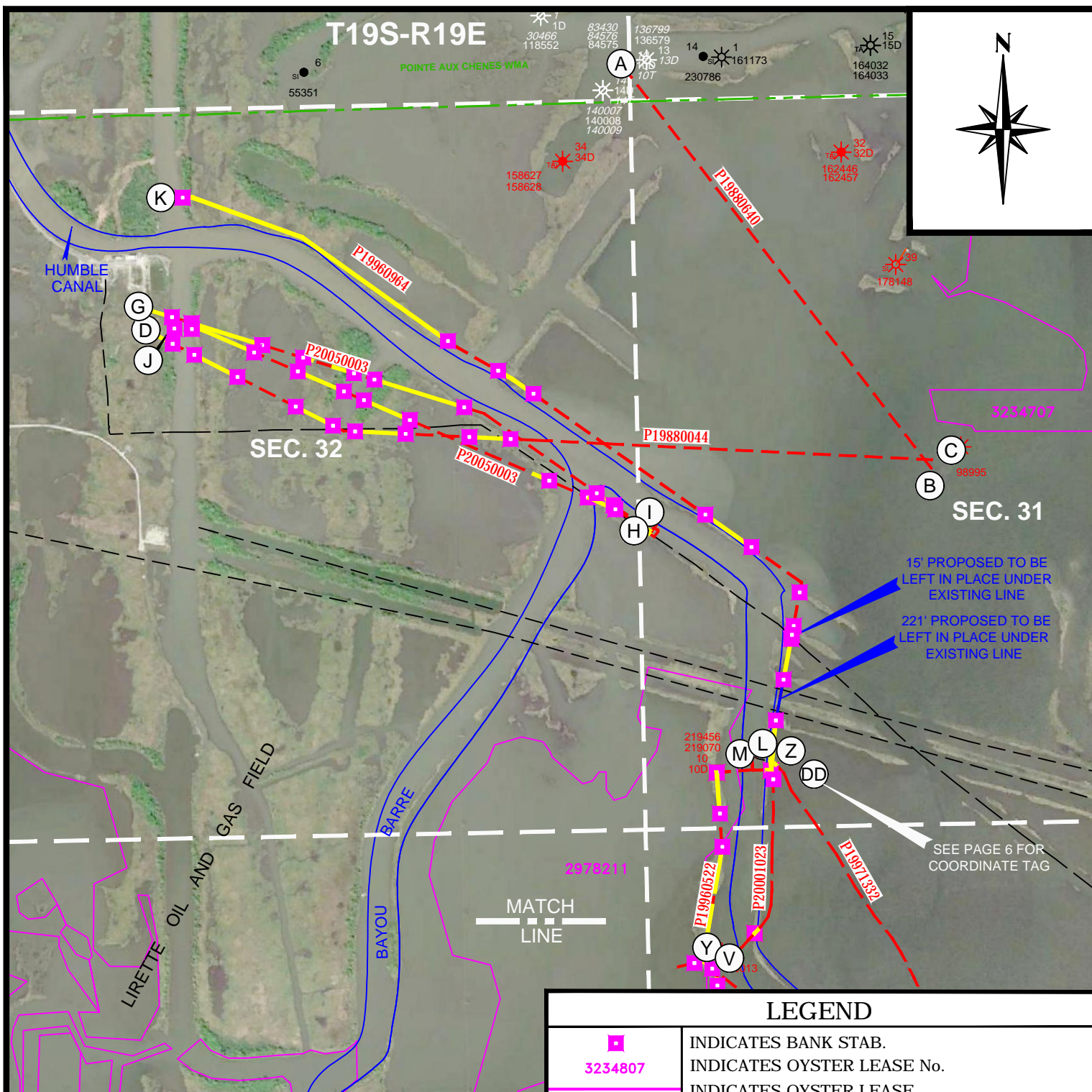
CHK: DTC

DWG: CGM

DATE: 08/08/2019

SHEET: 1 OF 10

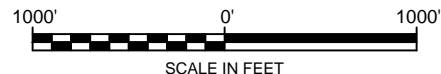
REV:0



+/- 54,585' OF PIPE TO BE REMOVED
 +/- 35,365' OF PIPE FALLS IN OPEN WATER
 +/- 19,220' OF PIPE FALLS IN MARSH

THIS PLAT IS TO BE USED EXCLUSIVELY FOR
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 REFER TO PAGE ONE FOR ADDITIONAL NOTES.

**LOCAL
 AREA VIEW**



HILCORP ENERGY COMPANY
 1111 TRAVIS STREET
 HOUSTON, TEXAS 77002

PROPOSED P&A PROJECT

LIRETTE FIELD

TERREBONNE PARISH, LOUISIANA



111 ARABIAN DRIVE
 LAFAYETTE, LA 70507
 OFFICE: (337) 565-6083
 LA REG No. 738

JOB NO. 190142

SIZE: 8.5x11

FILENAME: B190142_PG4_00702.DWG

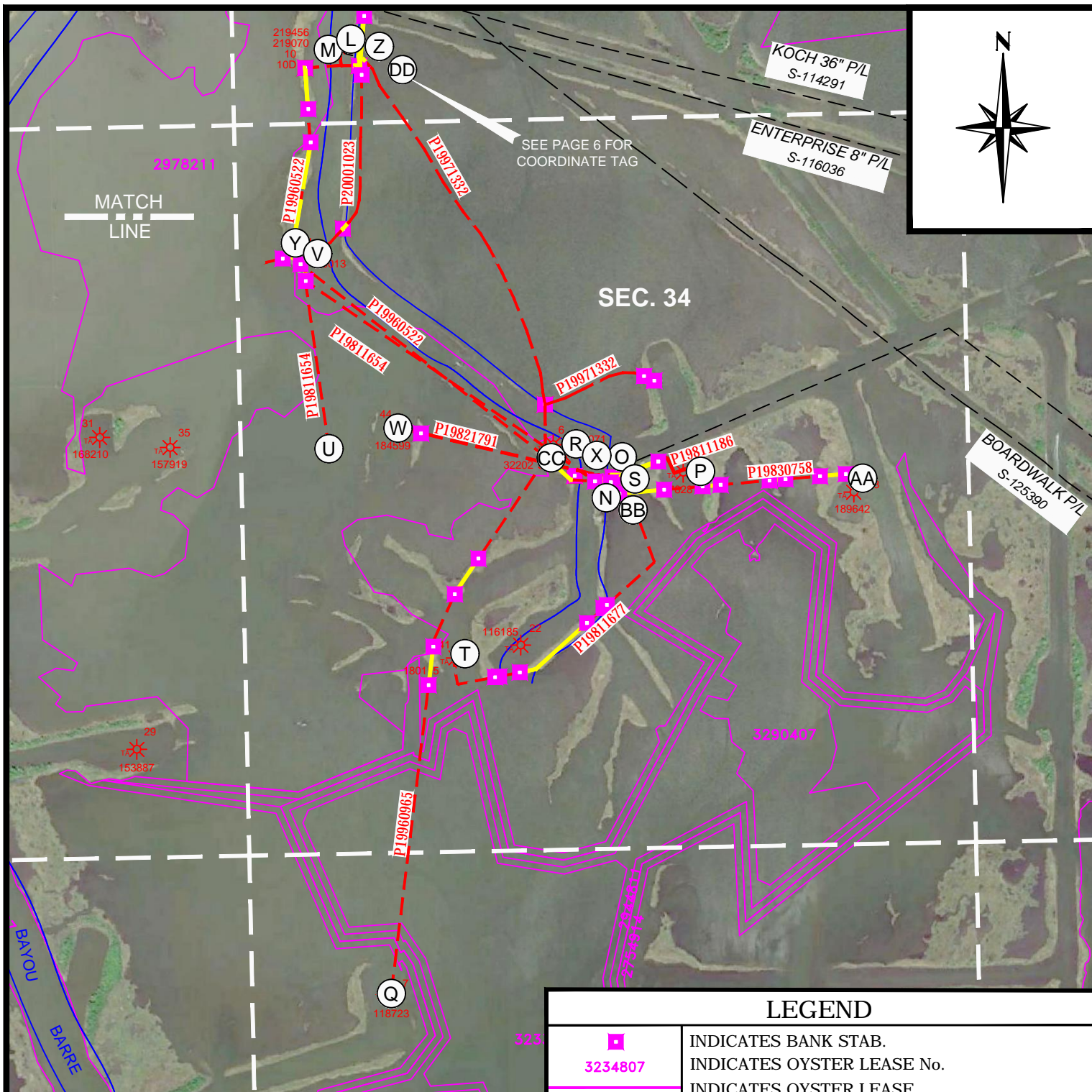
CHK: DTC

DWG: DTC

DATE: 10/01/2019

SHEET: 4 OF 10

REV: 5



+/- 54,585' OF PIPE TO BE REMOVED
 +/- 35,365' OF PIPE FALLS IN OPEN WATER
 +/- 19,220' OF PIPE FALLS IN MARSH

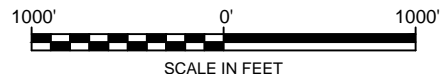
LEGEND



INDICATES BANK STAB.
 INDICATES OYSTER LEASE No.
 INDICATES OYSTER LEASE
 INDICATES PL TO BE REMOVED (OPEN WATER)
 INDICATES PL TO BE REMOVED (MARSH)

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 REFER TO PAGE ONE FOR ADDITIONAL NOTES.

LOCAL
 AREA VIEW



HILCORP ENERGY COMPANY
 1111 TRAVIS STREET
 HOUSTON, TEXAS 77002

PROPOSED P&A PROJECT

LIRETTE FIELD

TERREBONNE PARISH, LOUISIANA



111 ARABIAN DRIVE
 LAFAYETTE, LA 70507
 OFFICE: (337) 565-6083
 LA REG No. 738

JOB NO. 190142

SIZE: 8.5x11

FILENAME: B190142_PG4_00702.DWG

CHK: DTC

DWG: DTC

DATE: 10/01/2019

SHEET: 5 OF 10

REV: 5

(A) P19880640 2 1/2" PIPELINE	
X= 3,531,827.41'	
Y= 339,781.62' (83)	
Lat= 29°25'55.00" N	
Lon= 90°32'41.52" W (83)	

(K) P19960964 (2) 3" PIPELINES	
X= 3,528,491.76'	
Y= 338,811.60' (83)	
Lat= 29°25'45.62" N	
Lon= 90°33'19.32" W (83)	

(S) P19811677 4" PIPELINE	
X= 3,534,820.58'	
Y= 331,700.41' (83)	
Lat= 29°24'34.80" N	
Lon= 90°32'08.31" W (83)	

(AA) P19830758 2 & 2 1/2" PL	
X= 3,536,501.04'	
Y= 331,712.09' (83)	
Lat= 29°24'34.80" N	
Lon= 90°31'49.31" W (83)	

(B) P19880640 2 1/2" PIPELINE	
X= 3,534,077.27'	
Y= 336,846.81' (83)	
Lat= 29°25'25.79" N	
Lon= 90°32'16.31" W (83)	

(L) P19960964 (2) 3" PIPELINES	
X= 3,532,772.90'	
Y= 334,789.81' (83)	
Lat= 29°25'05.52" N	
Lon= 90°32'31.22" W (83)	

(T) P19811677 4" PIPELINE	
X= 3,533,678.33'	
Y= 330,403.61' (83)	
Lat= 29°24'22.04" N	
Lon= 90°32'21.33" W (83)	

(BB) P19830758 2 & 2 1/2" PL	
X= 3,534,798.19'	
Y= 331,563.72' (83)	
Lat= 29°24'33.44" N	
Lon= 90°32'08.57" W (83)	

(C) P19880044 2 1/2" PIPELINE	
X= 3,534,083.18'	
Y= 336,912.79' (83)	
Lat= 29°25'26.45" N	
Lon= 90°32'16.24" W (83)	

(M) P19960522 3" PIPELINES	
X= 3,532,777.56'	
Y= 334,780.03' (83)	
Lat= 29°25'05.42" N	
Lon= 90°32'31.17" W (83)	

(U) P19811654 4" PIPELINE	
X= 3,532,693.57'	
Y= 331,888.28' (83)	
Lat= 29°24'36.80" N	
Lon= 90°32'32.34" W (83)	

(CC) P19971332 3" PIPELINE	
X= 3,534,302.41'	
Y= 331,822.83' (83)	
Lat= 29°24'36.04" N	
Lon= 90°32'14.16" W (83)	

(D) P19880044 2 1/2" PIPELINE	
X= 3,528,383.21'	
Y= 337,852.76' (83)	
Lat= 29°25'36.14" N	
Lon= 90°33'20.62" W (83)	

(N) P19960522 3" PIPELINES	
X= 3,534,736.63'	
Y= 331,646.27' (83)	
Lat= 29°24'34.27" N	
Lon= 90°32'09.26" W (83)	

(V) P19811654 4" PIPELINE	
X= 3,532,593.63'	
Y= 333,304.17' (83)	
Lat= 29°24'50.83" N	
Lon= 90°32'33.36" W (83)	

(DD) P19971332 3" PIPELINE	
X= 3,532,935.22'	
Y= 334,719.20' (83)	
Lat= 29°25'04.81" N	
Lon= 90°32'29.39" W (83)	

(G) P20050003 3" PIPELINE	
X= 3,528,350.36'	
Y= 338,015.05' (83)	
Lat= 29°25'37.75" N	
Lon= 90°33'20.98" W (83)	

(O) P19811186 2 1/2" PIPELINE	
X= 3,534,820.59'	
Y= 331,700.41' (83)	
Lat= 29°24'34.80" N	
Lon= 90°32'08.31" W (83)	

(W) P19821791 3" PIPELINE	
X= 3,533,228.58'	
Y= 332,038.45' (83)	
Lat= 29°24'38.25" N	
Lon= 90°32'26.28" W (83)	

(H) P20050003 3" PIPELINE	
X= 3,532,002.51'	
Y= 336,469.45' (83)	
Lat= 29°25'22.20" N	
Lon= 90°32'39.80" W (83)	

(P) P19811186 2 1/2" PIPELINE	
X= 3,535,286.44'	
Y= 331,748.02' (83)	
Lat= 29°24'35.24" N	
Lon= 90°32'03.04" W (83)	

(X) P19821791 3" PIPELINE	
X= 3,534,774.57'	
Y= 331,668.33' (83)	
Lat= 29°24'34.48" N	
Lon= 90°32'08.83" W (83)	

(I) P20050003 3" PIPELINE	
X= 3,532,000.35'	
Y= 336,506.07' (83)	
Lat= 29°25'22.56" N	
Lon= 90°32'39.82" W (83)	

(Q) P19960965 2 7/8" PIPELINE	
X= 3,533,144.35'	
Y= 327,940.98' (83)	
Lat= 29°23'57.70" N	
Lon= 90°32'27.56" W (83)	

(Y) P20001023 2 1/2" PIPELINE	
X= 3,532,528.86'	
Y= 333,314.59' (83)	
Lat= 29°24'50.93" N	
Lon= 90°32'34.09" W (83)	

(J) P20050003 3" PIPELINE	
X= 3,528,560.85'	
Y= 337,865.03' (83)	
Lat= 29°25'36.25" N	
Lon= 90°33'18.61" W (83)	

(R) P19960965 2 7/8" PIPELINE	
X= 3,534,392.32'	
Y= 331,852.38' (83)	
Lat= 29°24'36.33" N	
Lon= 90°32'13.14" W (83)	

(Z) P20001023 2 1/2" PIPELINE	
X= 3,532,918.57'	
Y= 334,797.64' (83)	
Lat= 29°25'05.59" N	
Lon= 90°32'29.57" W (83)	

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SEE PAGE ONE FOR ADDITIONAL NOTES



HILCORP ENERGY COMPANY
1111 TRAVIS STREET
HOUSTON, TEXAS 77002

PROPOSED P&A PROJECT

LIRETTE FIELD

TERREBONNE PARISH, LOUISIANA



PREPARED BY:



111 ARABIAN DRIVE
LAFAYETTE, LA 70507
OFFICE: (337) 565-6083
LA REG No. 738

JOB NO.190142

SIZE: 8.5x11

CHK: DTC

DWG: CGM

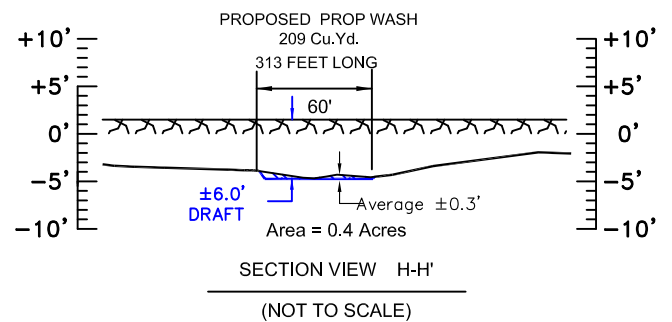
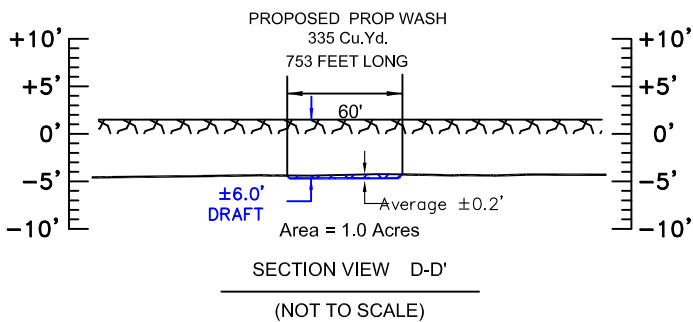
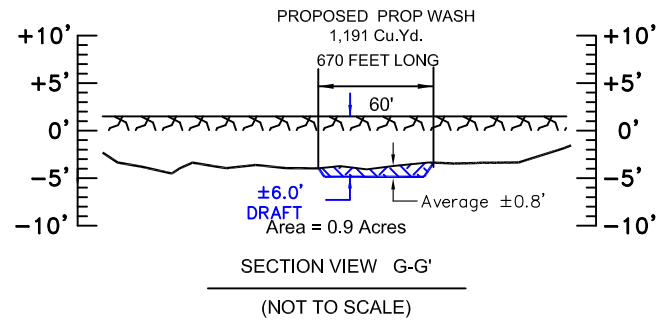
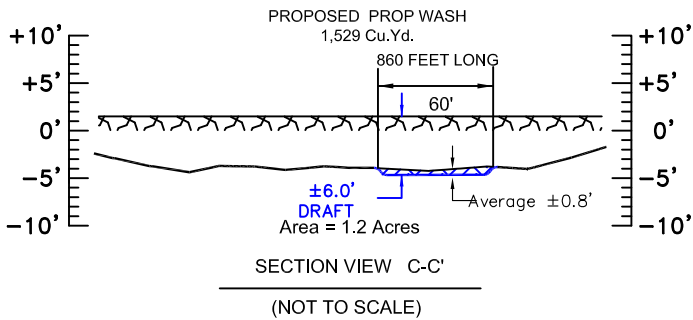
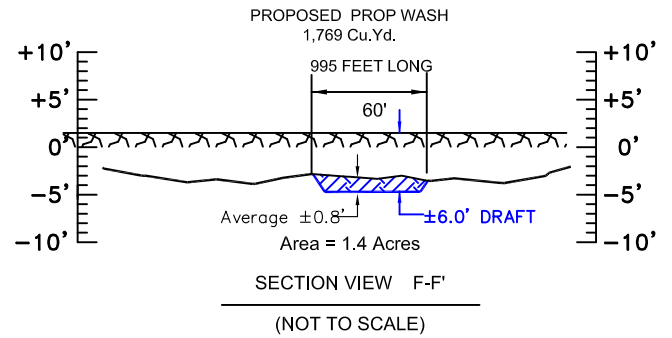
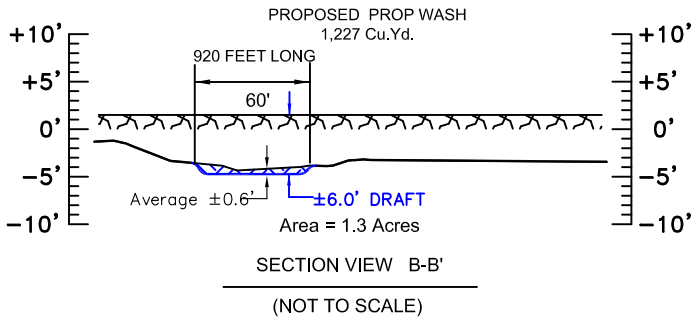
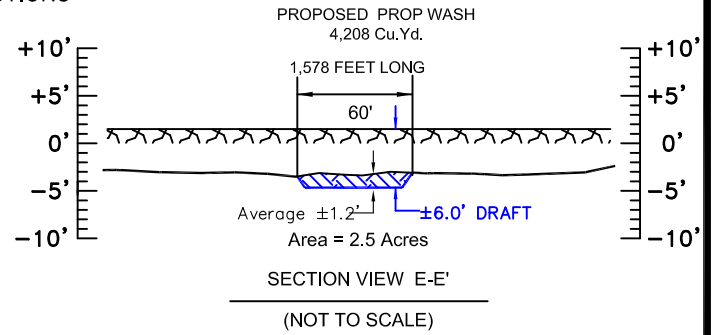
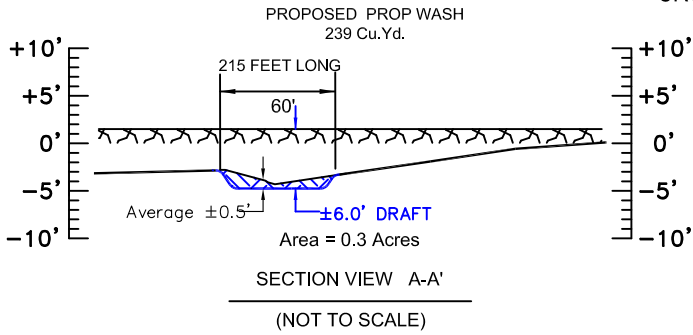
DATE: 08/21/2019

SHEET: 6 OF 10

REV: 1

PROPOSED PROP WASH

CROSS-SECTIONS



PROP WASH TOTAL APPROXIMATE 10,707 CU. YDS

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LIMITED LIABILITY COMPANY



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OFFICE: (337) 565-6083
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SIZE: 8.5x11

CHK: DTC

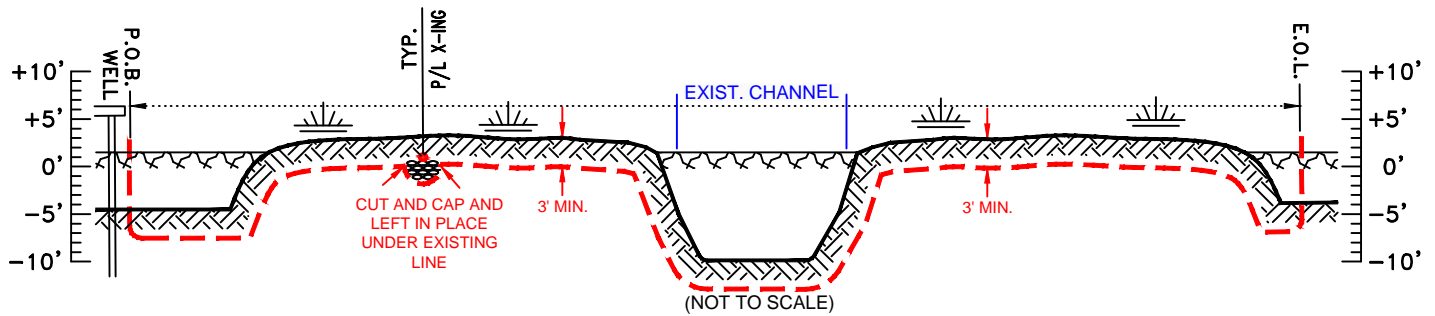
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DATE: 07/08/2019

SHEET: 7 OF 10

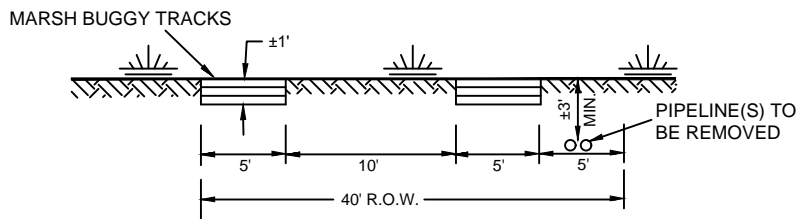
REV:2

TYPICAL PIPELINE REMOVAL PROFILE



TYPICAL MARSH BUGGY R.O.W.

NOT TO SCALE

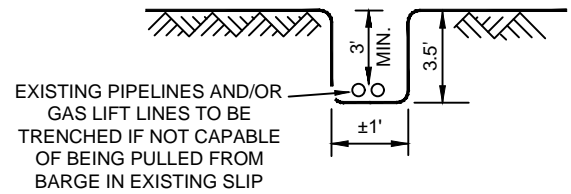


TYPICAL PIPELINE JETTING

NOT TO SCALE

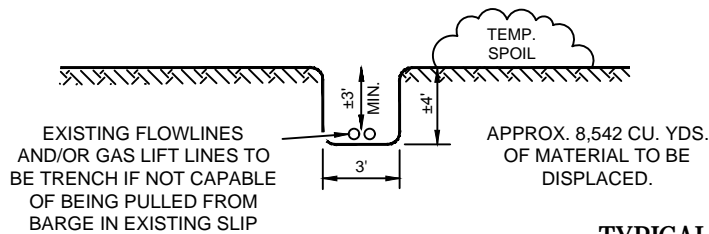
APPROX. 4,584 CU. YDS. OF MATERIAL TO BE
DISPLACED BY JETTING OPERATIONS.

DITCH IS TO BE BACKFILLED BY NATURALLY
OCCURRING SEDIMENTATION.



TYPICAL PIPELINE TRENCH IN MARSH

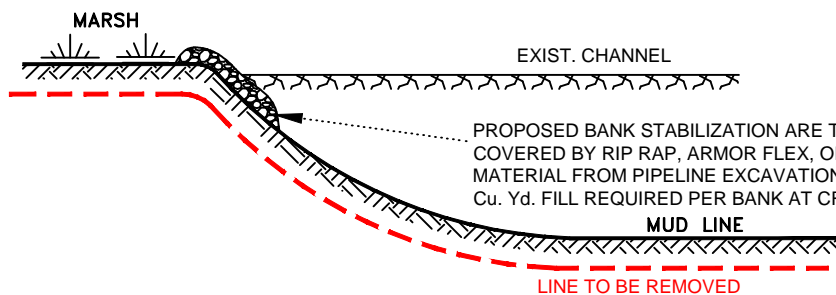
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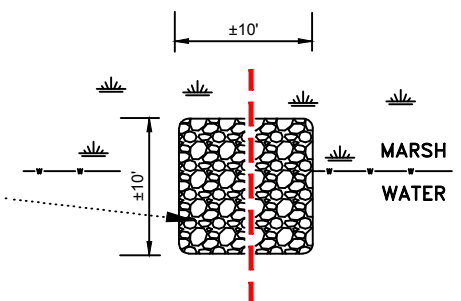
TYPICAL BANK STABILIZATION

NOT TO SCALE

PROFILE VIEW



PLAN VIEW



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LIRETTE FIELD

TERREBONNE PARISH, LOUISIANA



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JOB NO.190142

SIZE: 8.5x11

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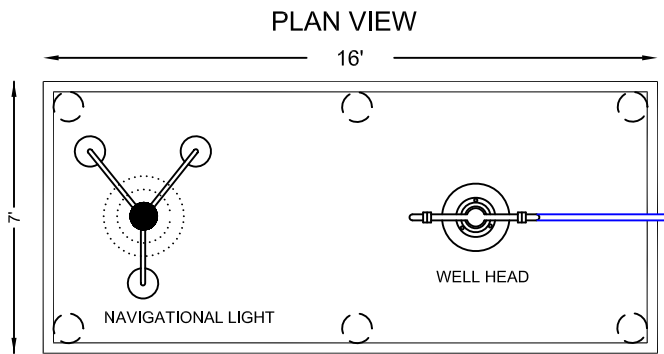
DATE: 08/21/2019

SHEET: 8 OF 10

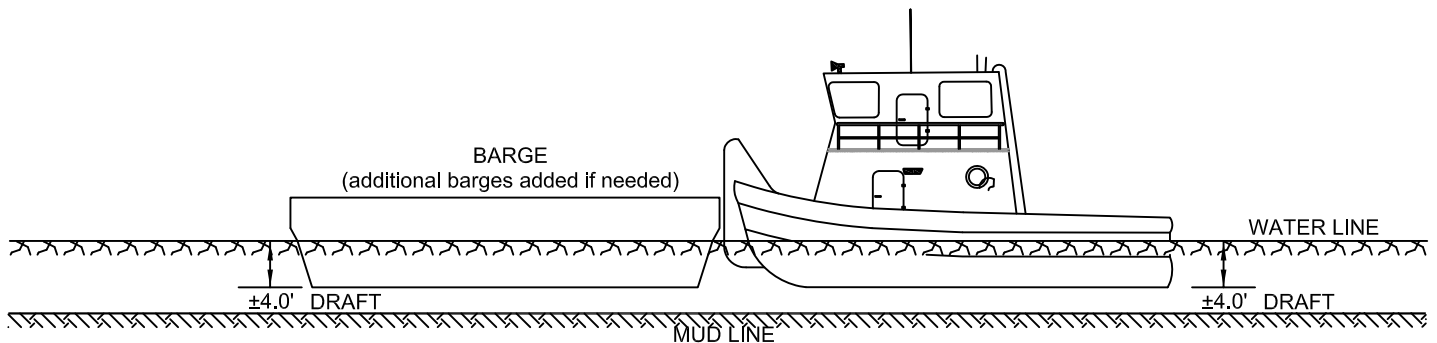
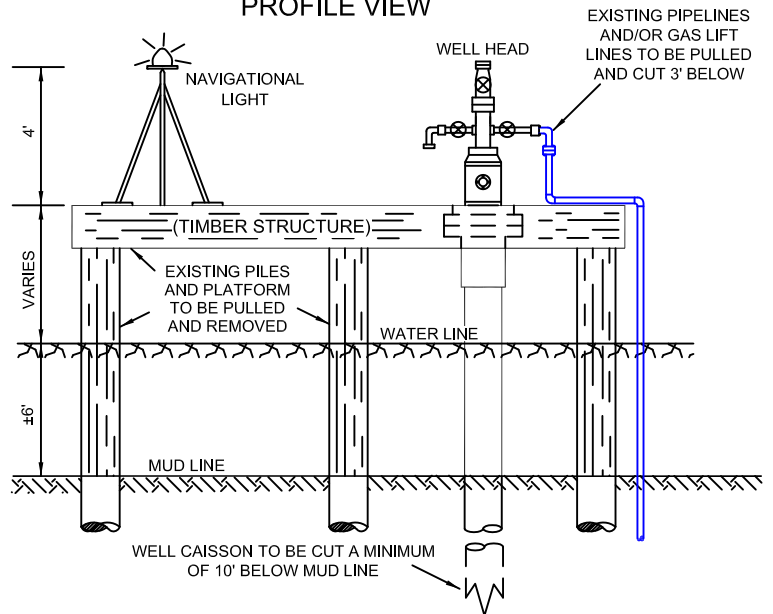
REV:2

TYPICAL WELL HEAD PROTECTOR

NOT TO SCALE

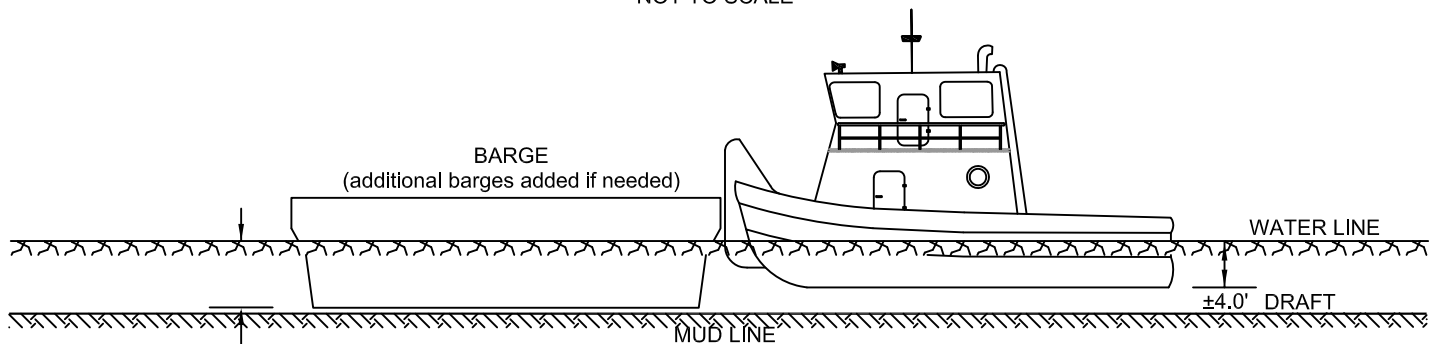


PROFILE VIEW



TYPICAL BARGE 4' DRAFT

NOT TO SCALE



TYPICAL BARGE 6' DRAFT

NOT TO SCALE

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SEE PAGE ONE FOR ADDITIONAL NOTES



HILCORP ENERGY COMPANY

1111 TRAVIS STREET
HOUSTON, TEXAS 77002

PROPOSED P&A PROJECT

LIRETTE FIELD

TERREBONNE PARISH, LOUISIANA



PREPARED BY:



111 ARABIAN DRIVE
LAFAYETTE, LA 70507
OFFICE: (337) 565-6083
LA REG No. 738

JOB NO.190142

SIZE: 8.5x11

CHK: DTC

DWG: CGM

DATE: 07/08/2019

SHEET: 9 OF 10

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1. Applicant shall be liable for, and shall compensate the state for, any damages to the oyster seed grounds caused by Applicant or Applicant's contractors during any work done under this permit. Prior to commencement of the permitted activity, Applicant will also provide LDWF with the name of an individual in authority who can be contacted regarding any work done under the permit.
2. Compensation for impacts to the public oyster seed grounds shall be in the form of the planting of cultch material (i.e. crushed concrete, limestone, oyster shell, etc) of the rate of 1 cubic yard per acre of impacted area for barren, non-supportive areas of the seed grounds, 50 cubic yards per acre of impacted area for supportive areas, and 187 cubic yards per acre of impacted area for reef areas plus the value of any living oyster resources destroyed. Applicant shall bear the expense of acquisition and deposition of cultch. The cultch shall be deposited by the Applicant, Applicant's contractor, or sub-contractor, under the direct supervision of LDWF, and shall be deposited at a time, place, and in a manner prescribed by the Department. In lieu of planting cultch material, the Applicant may make payment directly to the Public Oyster Seed Ground Development Account.
3. Applicant, Applicant's contractors and sub-contractors shall not discharge any produced waters, human waste that does not meet or exceed the requirements of the Department of Health and Hospitals, or drilling and/or workover effluent except for flocculated filtered water into the waters in the areas of the proposed activity or along any proposed access routes.
4. Discharge rate of water shall not exceed the rate of filtering. If deemed appropriate Applicant shall have at the project location float booms for containing any spills.
5. All vessels utilized under this permit shall be of such size and loaded in such a manner as to not impact the water bottoms over which they pass.
6. If access route traverses a currently productive public oyster area, the Applicant shall secure approval of the access route from LDWF and shall ingress and egress to the project location only along the approved route.
7. If deemed appropriate by LDWF Applicant shall establish and maintain, until the project is complete, along the access route appropriate access route markings for vessels traveling to and from the project location. These markings may be subject to applicable local, state, and federal navigation requirements. These markings shall be sufficient to be used during day and night operations as well as in any climatic and sea condition which may occur during permitted activities.
8. Applicant shall provide legal representation and indemnification to LDWF for any and all lawsuits and legal claims that may be filed or made against LDWF as a result of the activities by Applicant.
9. This permit specifically does not authorize prop washing, wheel washing, dredging, or jetting beyond what is shown in the application and drawings. Any changes or variances in the location, access route, volume of material moved and/or magnitude of the area of impact shall require formal application to, and prior written authorization from, the Department of Natural Resources (DNR). The decision by DNR whether to authorize those changes will require consultation by DNR with LDWF in strict adherence to all applicable provisions of the February 3, 2005 Memorandum of Agreement between those two agencies.
10. At the discretion of the Secretary or Deputy Assistant Secretary of the Louisiana Department of Wildlife and Fisheries, any activities may be suspended until more favorable conditions prevail.
11. Applicant shall provide a letter of completion or as-built drawings of the completed project to the Department no later than 30 days following completion of the permitted activity.
12. A post-project bottom contour and side-scan survey may be required, covering the permitted project area or any other area outside the project footprint suspected of being directly impacted by permitted activities. The results of these surveys will be made available to the Department within 14 days of completion.
13. At the discretion of LDWF, the Applicant may be required to return all or part of water bottoms to pre-project conditions. Applicant shall remove or spread any dredged material which is greater than 0.5 feet above original water bottom contours unless otherwise specified in the coastal use permit.
14. Movement of heavy equipment (i.e. rigs, tugs, barges, etc) across the public oyster seed ground is only authorized with a gauge reading of 1.0 foot or greater on the Snake Island gauge (USGS 07374526) which can be accessed from <http://la.water.usgs.gov/hydrowatch.htm>.
15. Applicant shall notify Brian Lezina at blezina@wlf.louisiana.gov at least 24 hours prior to moving heavy equipment (i.e. rigs, tugs, barges, etc.) through the public oyster seed grounds.
16. Applicant shall utilize sediment curtains to protect oyster resources if working within 500 feet of type III water bottom or the LDWF cultch plant area.
17. Applicant shall not discharge any produced waters into the waters in the areas of proposed activity.



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