

JOINT PUBLIC NOTICE

December 11, 2017

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

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

(504) 862-1545
Project Manager
S. Gail Gainey
Sandra.G.Gainey@usace.army.mil
MVN 2017-01257-CG

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC # 171204-01

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/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.

DREDGING, CLEANOUT, REDISTRIBUTION OF FILL AND OIL WELL STRUCTURES IN BAYOU BLUE IN LAFOURCHE PARISH

NAME OF APPLICANT: Mack Energy Co. 3861 Ambassador Caffery Pkwy, Suite 500, Lafayette, LA 70503.

LOCATION OF WORK: In Bayou Blue, Sections 55, 56, 61, 62, 63 and 64, T18S-R21E and Sections 32, 36 and 53, T19S, R21E approximately 6 miles southeasterly from Larose, Louisiana, in Lafourche Parish, within the Terrebonne Basin in hydrologic unit (HUC 08090302), as shown on the attached drawings (Latitude 29.498746 N, Longitude -90.366814 W).

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to dredge and redistribute fill material, construct structures and conduct cleanout activities in order to produce the Mardi Gras Prospects A, B, C and D. Approximately 91,401 total cubic yards will be excavated from waterbottoms, of which 74,936 cubic yards will be dredged from approx. 26.84 acres and redistributed in approx. 23.15 acres as beneficial use. Additionally, approx. 16,465 cubic yards of material will be redistributed via propwash activity in approx. 7.67 acres of open water. A maximum of approx. 0.92 acres of open water would be directly impacted by the placement of structures at the prospect sites.

The applicant proposes to avoid additional direct impacts and minimize secondary impacts to wetlands by remaining within existing open water channels and by utilizing marine equipment for dredging activities.

The comment period for the Department of Army 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 US 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 US 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 the State Historic Preservation Officer.

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.

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*). Utilizing 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, 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 would result in the destruction or alteration of up to 50 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.

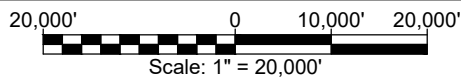
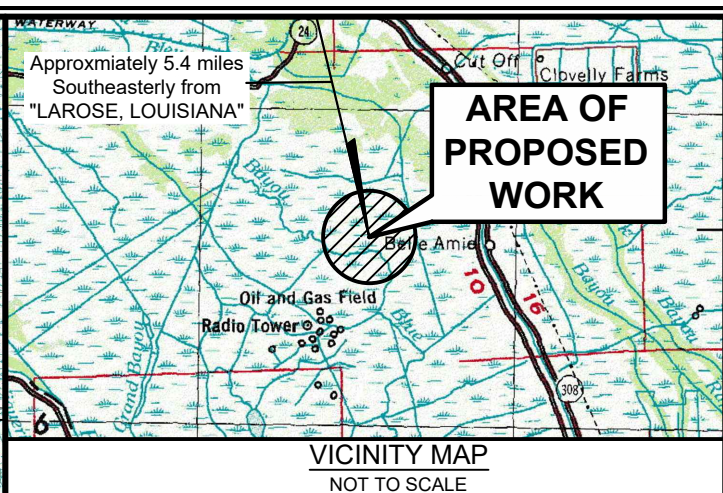
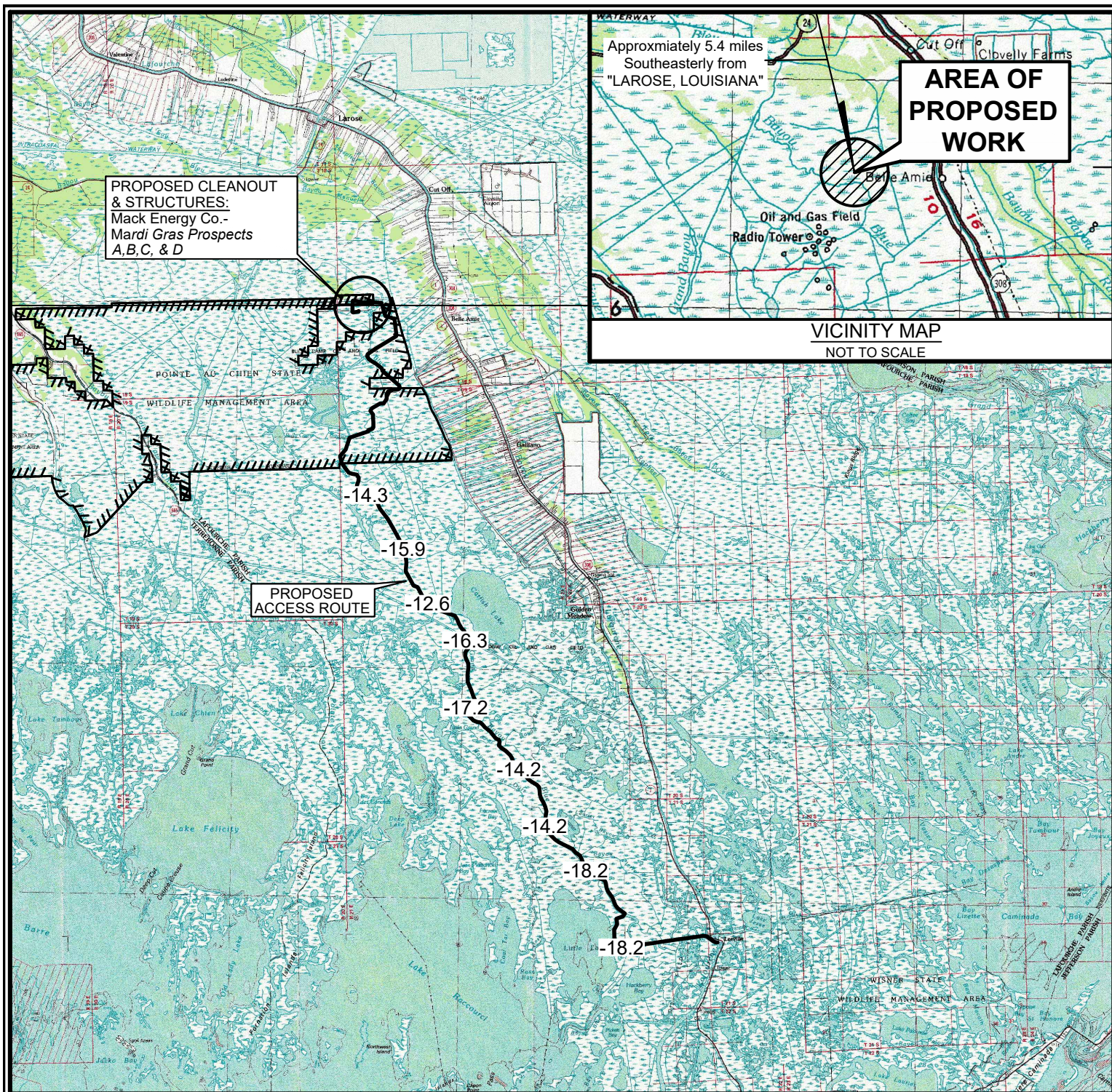
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate 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 P20170946). 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



MACK ENERGY CO.
PROPOSED CLEANOUT & STRUCTURES
Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

DATE: 09/08/2017

PROJ. MGR.: RLL

SHEET 1 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg



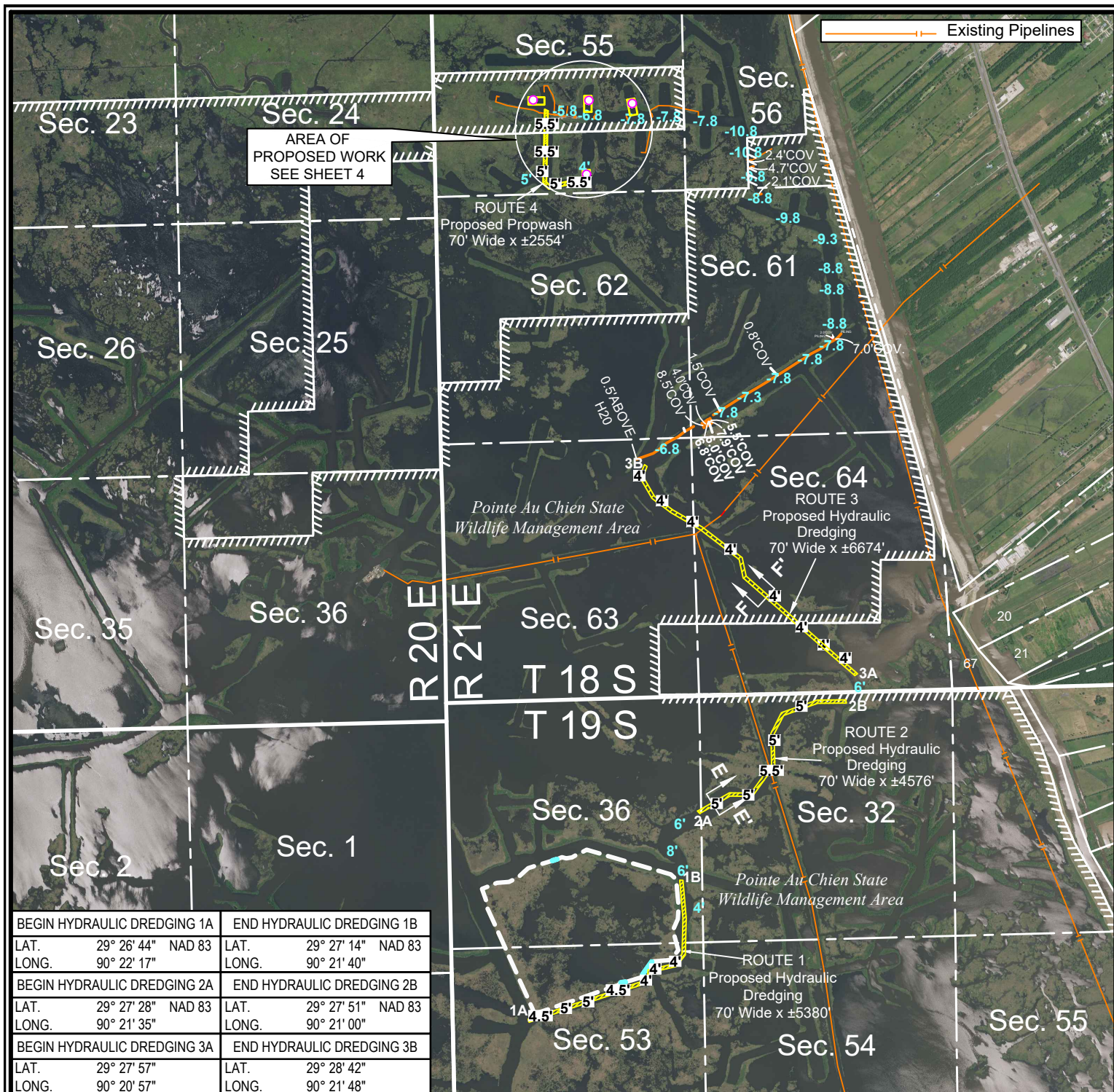
*Not to be used for construction,
bidding, recordation, conveyance,
sales, or engineering design.*

PRELIMINARY



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com



BEGIN HYDRAULIC DREDGING 1A	END HYDRAULIC DREDGING 1B
LAT. 29° 26' 44" NAD 83	LAT. 29° 27' 14" NAD 83
LONG. 90° 22' 17"	LONG. 90° 21' 40"
BEGIN HYDRAULIC DREDGING 2A	END HYDRAULIC DREDGING 2B
LAT. 29° 27' 28" NAD 83	LAT. 29° 27' 51" NAD 83
LONG. 90° 21' 35"	LONG. 90° 21' 00"
BEGIN HYDRAULIC DREDGING 3A	END HYDRAULIC DREDGING 3B
LAT. 29° 27' 57"	LAT. 29° 28' 42"
LONG. 90° 20' 57"	LONG. 90° 21' 48"



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

PRELIMINARY

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

MACK ENERGY CO. PROPOSED CLEANOUT & STRUCTURES Mardi Gras Prospects A,B,C & D Section 55, T18S-R21E Lafourche Parish, Louisiana

DRAWN BY: KJD

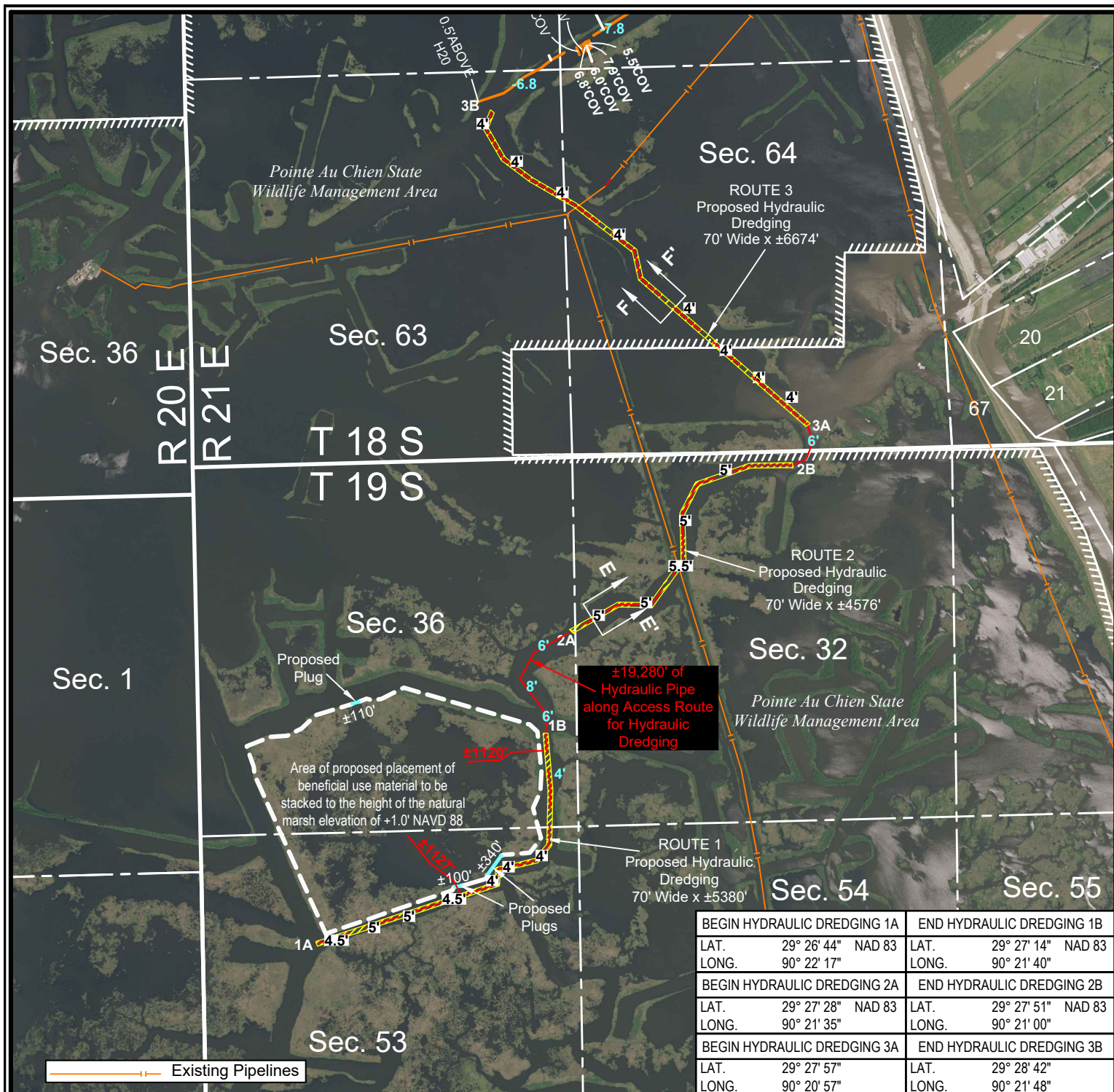
PROJ. MGR.: RLL

REVISED:

DATE: 09/08/2017

SHEET 2 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg



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

PRELIMINARY

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

2000' 0 1000' 2000'
Scale: 1" = 2000'

MACK ENERGY CO.
PROPOSED CLEANOUT & STRUCTURES
Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

DATE: 09/08/2017

PROJ. MGR.: RLL

SHEET 3 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg

Proposed Plug
±110' x 10'
(NAD 83)
Lat. 29°27'18"
Long. 90°22'11"

Sec. 36

Proposed
Borrow Area
±106' x 10'

Area of proposed placement of
beneficial use material to be stacked
to the height of the natural marsh
elevation of +1.0' NAVD 88

INSET A

Scale: 1"=200'

Area of proposed placement of
beneficial use material to be stacked
to the height of the natural marsh
elevation of +1.0' NAVD 88

Sec. 36

Proposed
Borrow Area
±336' x 10'

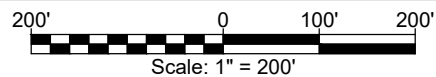
Proposed
Borrow Area
±96' x 10'

Proposed Plug
±340' x 10'
(NAD 83)
Lat. 29°26'55"
Long. 90°21'48"

Proposed Plug
±100' x 10'
(NAD 83)
Lat. 29°26'52"
Long. 90°21'54"

INSET B

Scale: 1"=200'



MACK ENERGY CO.
PROPOSED CLEANOUT & STRUCTURES
Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

DATE: 09/08/2017

PROJ. MGR.: RLL

SHEET 4 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg



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

PRELIMINARY

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.



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

R 21 E

**PROPOSED PROPWASH
& STRUCTURES:**
Mack Energy Co.-
Mardi Gras Prospect "C"
(NAD 27)
X=2,306,286
Y= 304,217
(NAD 83)
Lat. 29°30'00"
Long.90°22'14"

**PROPOSED PROPWASH
& STRUCTURES:**
Mack Energy Co.-
Mardi Gras Prospect "D"
(NAD 27)
X=2,307,480
Y= 304,205
(NAD 83)
Lat. 29°29'59"
Long.90°22'01"

**PROPOSED
STRUCTURES:**
Mack Energy Co.-
Mardi Gras Prospect "B"
(NAD 27)
X=2,308,408
Y= 304,140
(NAD 83)
Lat. 29°29'59"
Long.90°21'50"

Begin Propwash (4A)
(NAD 83)
Lat. 29°29'58"
Long.90°22'11"

Pointe Au Chien State
Wildlife Management Area

Sec. 55

Proposed Propwash
±2554'
Approximate 1' Cut

Proposed
40' x 40'
Wing

**PROPOSED PROPWASH
& STRUCTURES:**
Mack Energy Co.-
Mardi Gras Prospect "A"
(NAD 27)
X=2,307,430
Y= 302,621
(NAD 83)
Lat. 29°29'44"
Long.90°22'01"

Sec. 62

Existing Pipelines

500' 0 250' 500'
Scale: 1" = 500'

MACK ENERGY CO.
PROPOSED CLEANOUT & STRUCTURES
Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

DATE: 09/08/2017

PROJ. MGR.: RLL

SHEET 5 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg



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

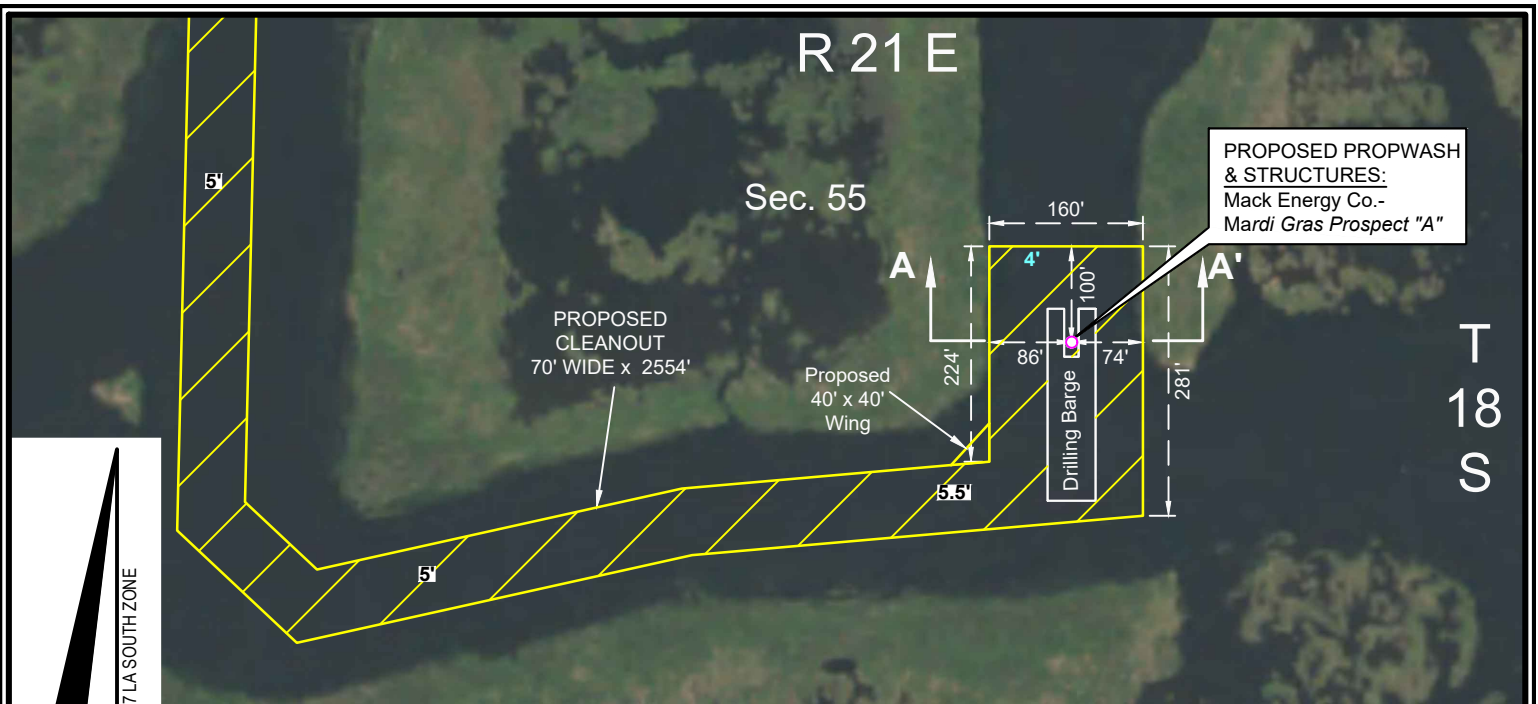
PRELIMINARY

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.

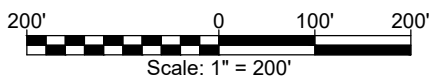
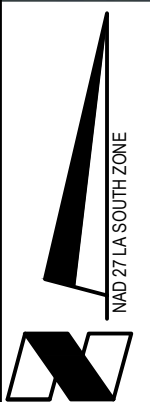


C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

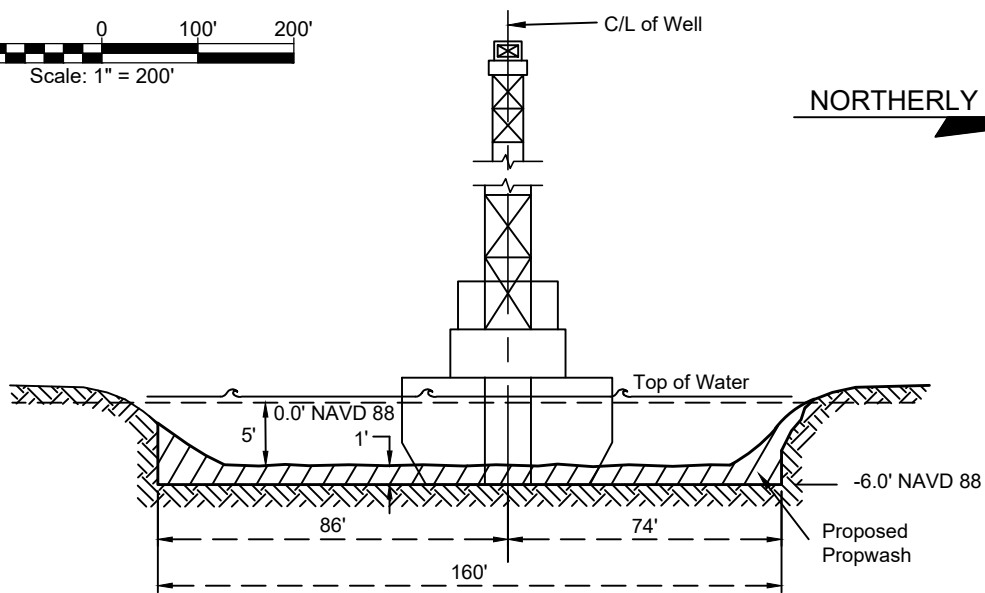
Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717



PLAN VIEW



MHWL +2.53' NAVD 88
MLWL +1.02' NAVD 88



CROSS SECTION A-A'

No Scale

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

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



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

MACK ENERGY CO.

PROPOSED CLEANOUT & STRUCTURES

Mardi Gras Prospects A,B,C & D

Section 55, T18S-R21E

Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

DATE: 09/08/2017

PROJ. MGR.: RLL

SHEET 6 OF 12 SHEETS

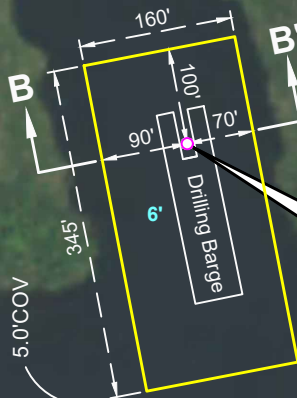
FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg

R 21 E

T
18
S

Sec. 55

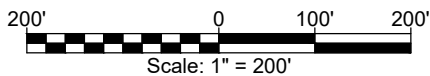
Existing Pipelines



PROPOSED STRUCTURES:
Mack Energy Co.-
Mardi Gras Prospect "B"

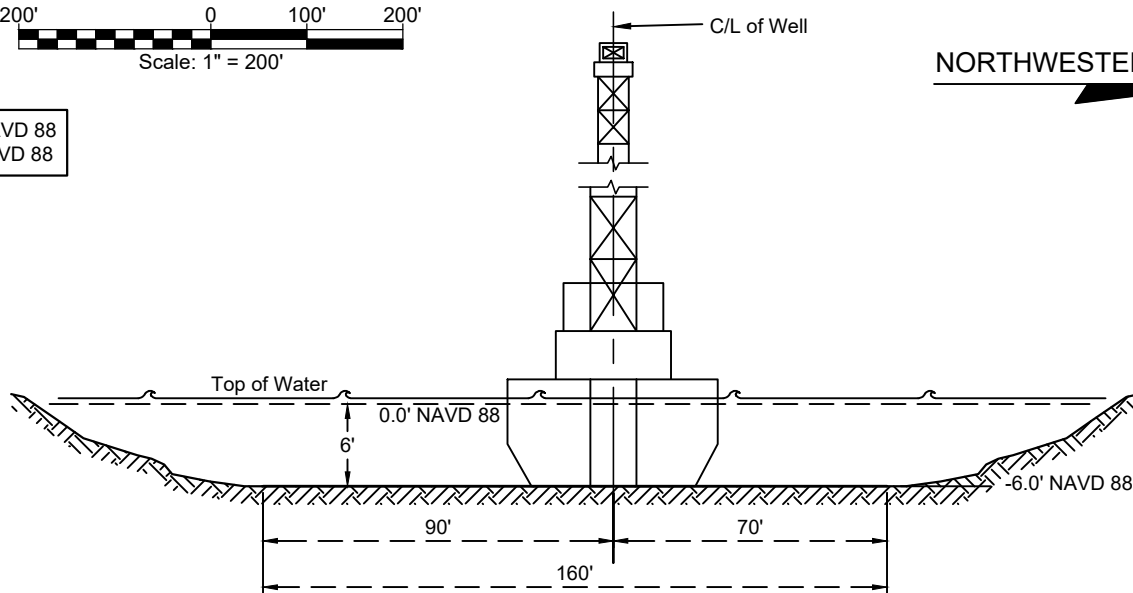


PLAN VIEW



MHWL +2.53' NAVD 88
MLWL +1.02' NAVD 88

NORTHWESTERLY



CROSS SECTION B-B'

No Scale

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

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



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

MACK ENERGY CO.

PROPOSED CLEANOUT & STRUCTURES

Mardi Gras Prospects A,B,C & D

Section 55, T18S-R21E

Lafourche Parish, Louisiana

DRAWN BY: KJD

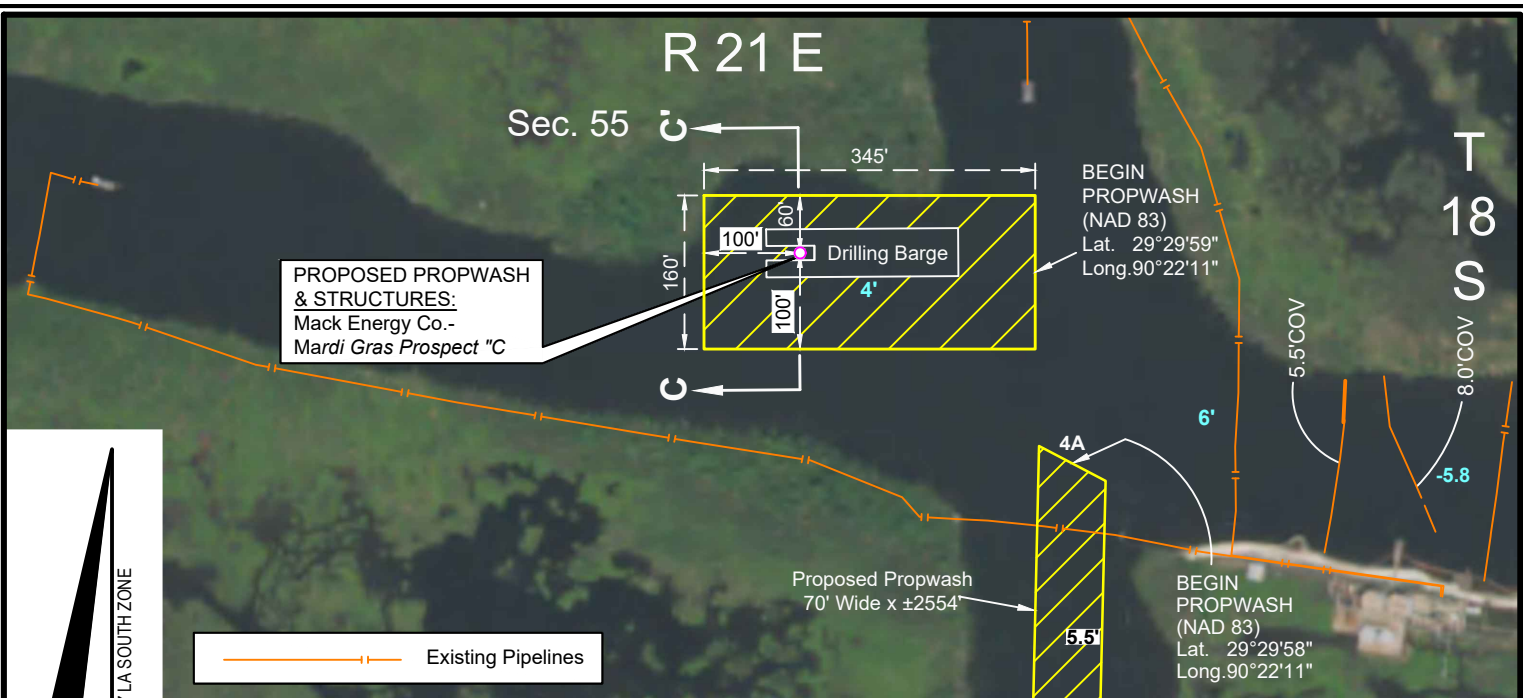
REVISED:

DATE: 09/08/2017

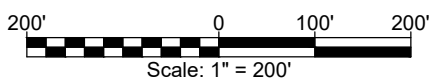
PROJ. MGR.: RLL

SHEET 7 OF 12 SHEETS

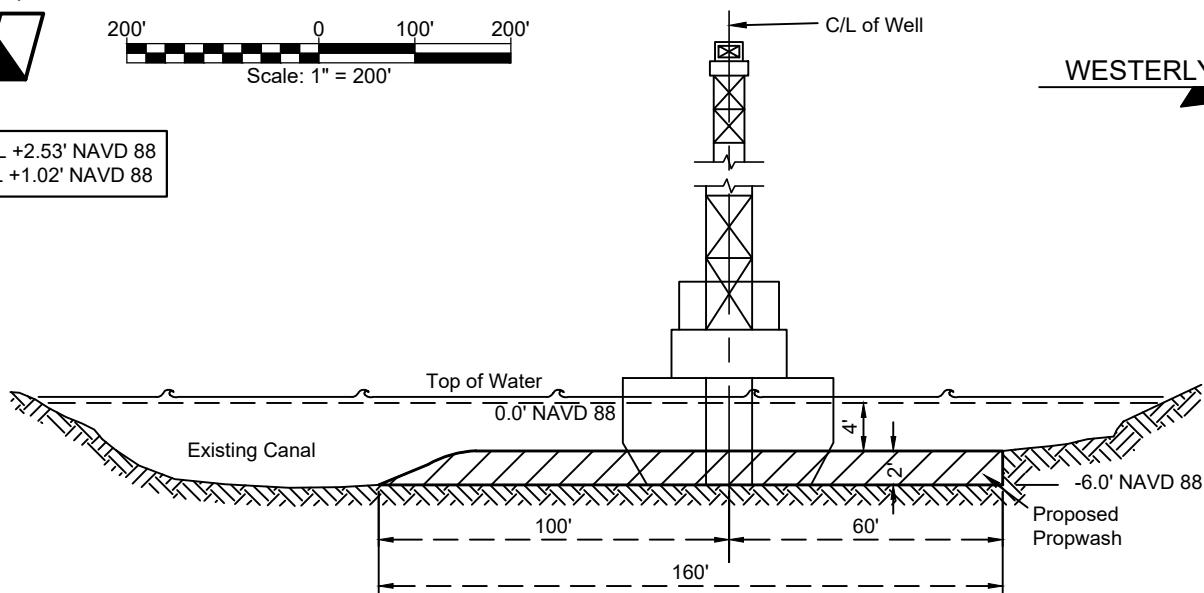
FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg



PLAN VIEW



MHWL +2.53' NAVD 88
MLWL +1.02' NAVD 88



CROSS SECTION C-C'

No Scale

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

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



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

MACK ENERGY CO.

PROPOSED CLEANOUT & STRUCTURES

Mardi Gras Prospects A,B,C & D

Section 55, T18S-R21E

Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

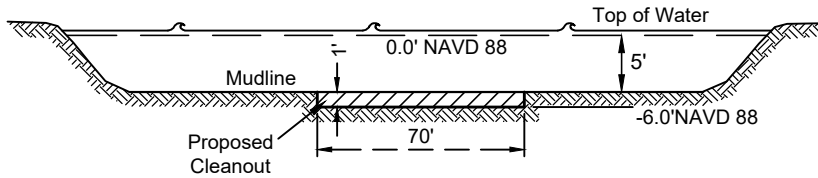
DATE: 09/08/2017

PROJ. MGR.: RLL

SHEET 8 OF 12 SHEETS

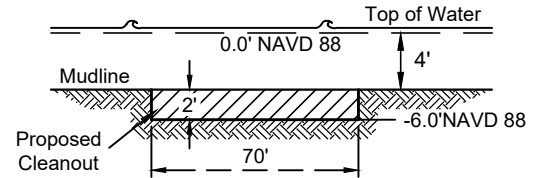
FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg

MHWL +2.53' NAVD 88
MLWL +1.02' NAVD 88



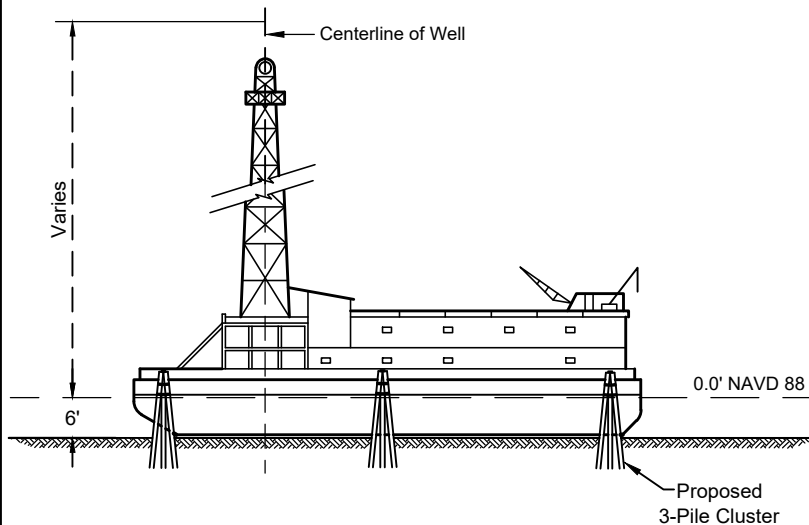
CROSS SECTION E-E'

No Scale



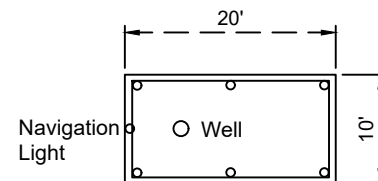
CROSS SECTION F-F'

No Scale

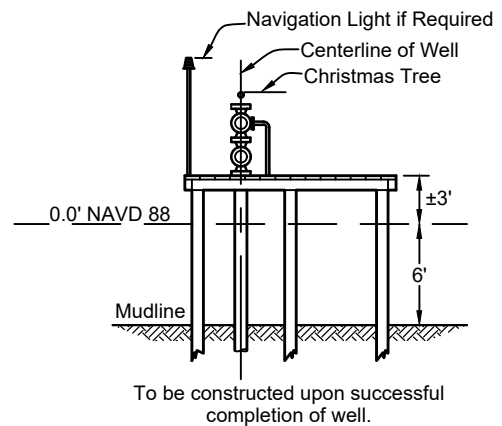


ELEVATION OF TYPICAL DRILLING BARGE

No Scale



PLAN VIEW



ELEVATION

TYPICAL 10'x 20' WELL PROTECTOR PLATFORM

No Scale

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.

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



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

MACK ENERGY CO.
PROPOSED CLEANOUT & STRUCTURES
Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD

REVISED:

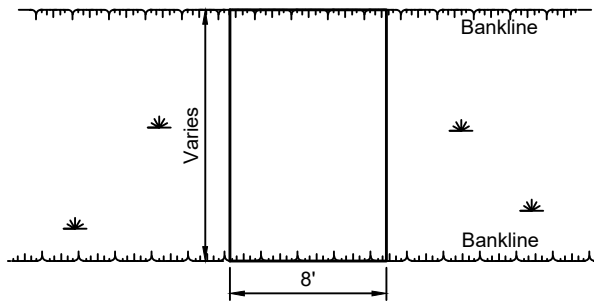
DATE: 09/08/2017

PROJ. MGR.: RLL

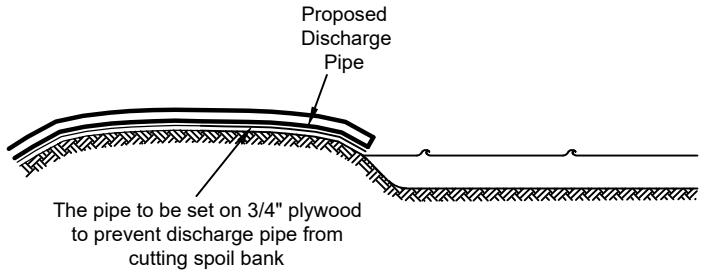
SHEET 10 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg

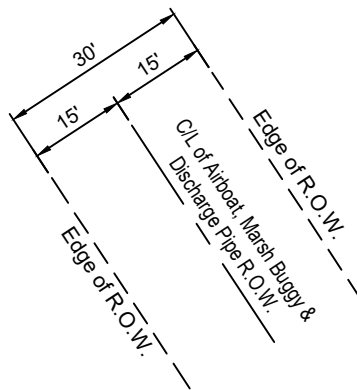
MHWL +2.53' NAVD 88
MLWL +1.02' NAVD 88



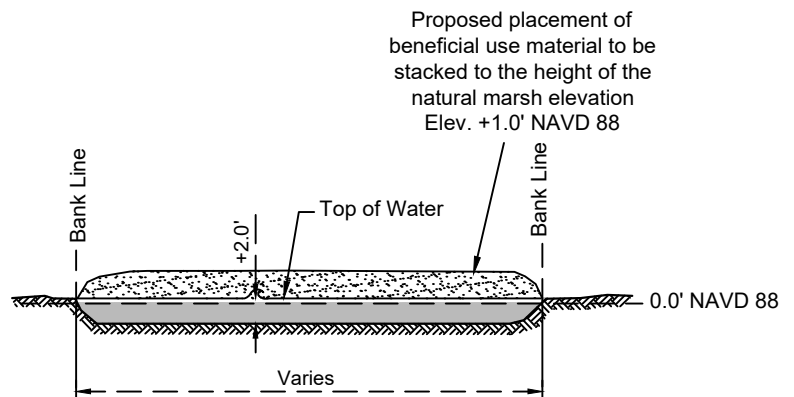
**PLAN VIEW OF PROPOSED
3/4" PLYWOOD FOR DISCHARGE PIPE**
8' x Varies
No Scale



**TYPICAL PIPE DISCHARGE
OVER MARSH OR SPOIL BANK**
No Scale



**PROPOSED AIRBOAT, MARSH BUGGY
& DISCHARGE PIPE R.O.W.**
No Scale



**TYPICAL CROSS SECTION OF
BENEFICIAL USE MATERIAL PLACEMENT**
No Scale

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

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



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

MACK ENERGY CO.
PROPOSED CLEANOUT & STRUCTURES
Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD

PROJ. MGR.: RLL

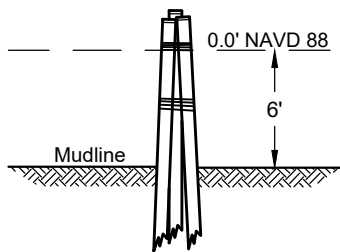
REVISED:

DATE: 09/08/2017

SHEET 11 OF 12 SHEETS

FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg

MHWL +2.53' NAVD 88
MLWL +1.02' NAVD 88

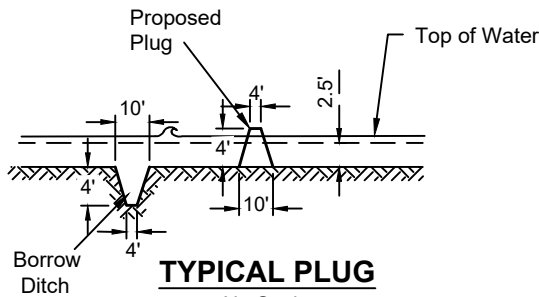


3 PILE CLUSTER

No Scale

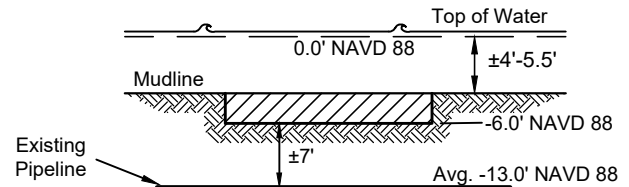
HYDRAULIC DREDGING REQUIRED FOR ROUTE 1	27,896 CU. YDS.
HYDRAULIC DREDGING REQUIRED FOR ROUTE 2	11,864 CU. YDS.
HYDRAULIC DREDGING REQUIRED FOR ROUTE 3	34,606 CU. YDS.
PROPWASH REQUIRED FOR ROUTE 4	6,622 CU. YDS.
PROPWASH REQUIRED FOR PROSPECT A	1,665 CU. YDS.
PROPWASH REQUIRED FOR PROSPECT C	4,089 CU. YDS.
PROPWASH REQUIRED FOR PROSPECT D	4,089 CU. YDS.
TOTAL	90,831 CU. YDS.

TOTAL EXCAVATION OF WATER BOTTOM MATERIAL FOR EARTHEN PLUGS 570 CU. YDS.
TOTAL BENEFICIAL USE MATERIAL DEPOSITED FOR EARTHEN PLUGS 570 CU. YDS.



TYPICAL PLUG

No Scale



TYPICAL CROSS SECTION @ PIPELINE CROSSING

No Scale

NOTES:

1. All structures, facilities, well and pipelines/flowlines occurring in open water areas or in oilfield canals or slips 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 Coastal Management Division. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required, for such removal activities.
2. As-built drawings shall be submitted within 30 days of completion of this project to the Louisiana Department of Natural Resources, Coastal Management Division, P.O. Box 44487, Baton Rouge, LA 70804-4487.
3. In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL System (1-800-272-3020), a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.
4. Structures will also be marked/lighted in accordance with U.S. Coast Guard regulations.

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

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.



C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

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



Robert L. Lastrapes
Professional Land Surveyor
Registration No. 4717

MACK ENERGY CO.

PROPOSED CLEANOUT & STRUCTURES

Mardi Gras Prospects A,B,C & D
Section 55, T18S-R21E
Lafourche Parish, Louisiana

DRAWN BY: KJD	REVISED:	DATE: 09/08/2017
PROJ. MGR.: RLL		SHEET 12 OF 12 SHEETS
FILENAME: T:\2017\2175733\DWG\COE\Mardi Gras Prospects A,B,C & D COE Plans.dwg		