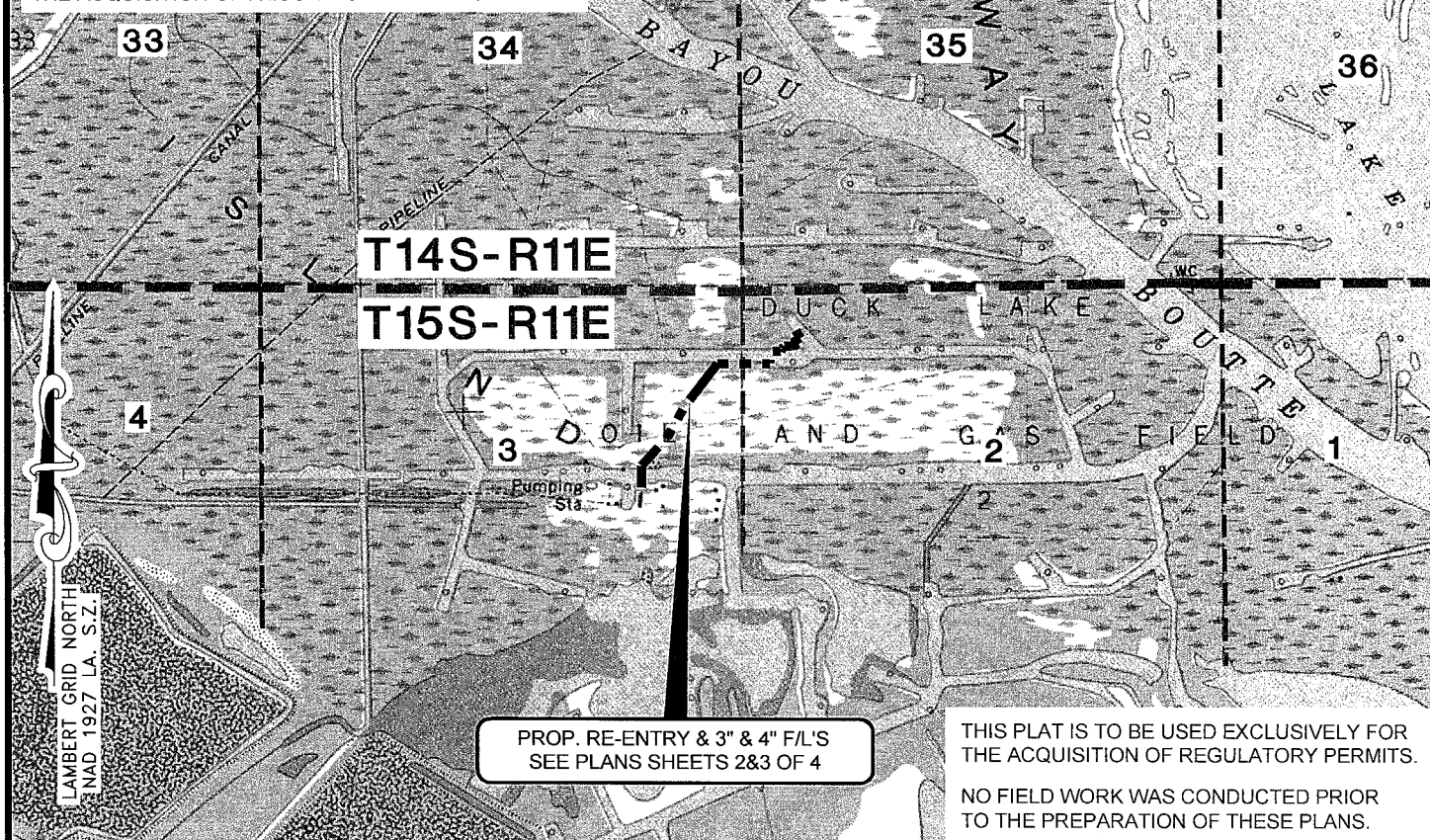
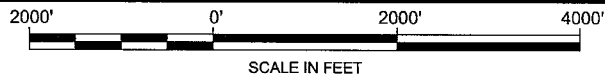


THIS SET OF PLANS IS TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.



## LOCATION MAP

REPRODUCED FROM USGS TIGER ISLAND QUADRANGLE



**HILCORP ENERGY COMPANY**

1201 LOUISIANA, SUITE 1400  
HOUSTON, TEXAS 77002

**PROP. RE-ENTRY & 3" & 4" F/L'S**  
**GOODRICH C NO. 4**  
**DUCK LAKE FIELD**  
**ST. MARTIN PARISH, LOUISIANA**

PREPARED BY

**C&C Technologies**  
SURVEY SERVICES  
730 E. KALISTE SALOOM ROAD, LAFAYETTE, LA, (337) 281-0660  
LA. REGISTRATION NUMBER: 330

JOB NO. 110835

DWG: REP

CHK: HEK

REVISED:

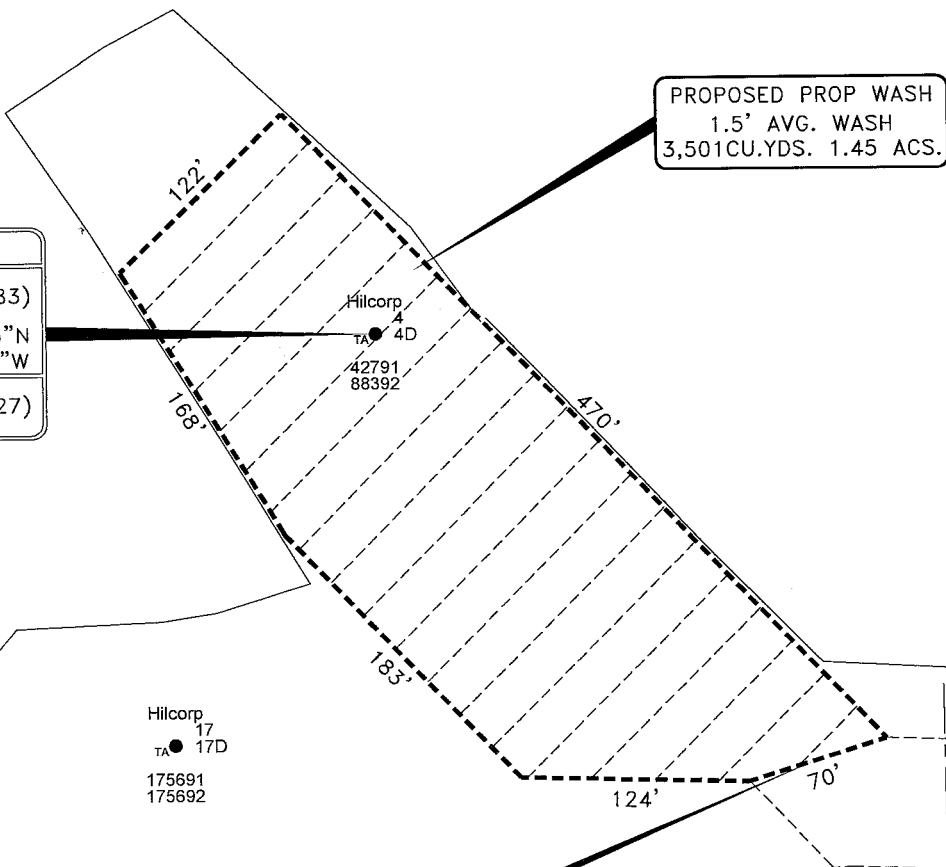
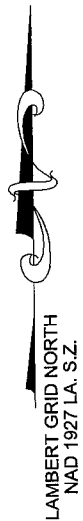
DATE: 10/10/2011

FILENAME: L:\15S11E\110835\C110835.DWG

SHEET 1 OF 4

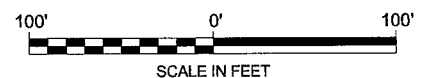
GOODRICH C NO. 4	
X=	3,284,525' (83)
Y=	470,686' (83)
Lat=	29°47'39.5"N
Lon=	91°19'18.1"W
X=	2,003,726' (27)
Y=	409,981' (27)

PROPOSED PROP WASH  
1.5' AVG. WASH  
3,501CU.YDS. 1.45 ACS.

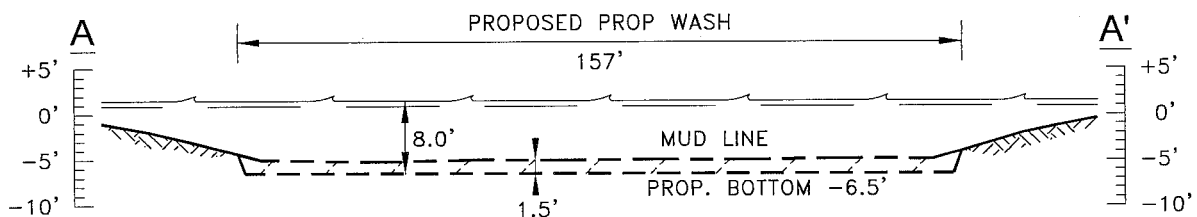


BEGIN PROP WASH	
X=	3,284,763' (83)
Y=	470,455' (83)
Lat=	29°47'37.2"N
Lon=	91°19'15.4"W
X=	2,003,964' (27)
Y=	409,749' (27)

PLAN



### TYP. SECTION



**HILCORP ENERGY COMPANY**

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**GOODRICH C NO. 4**  
**DUCK LAKE FIELD**  
**ST. MARTIN PARISH, LOUISIANA**

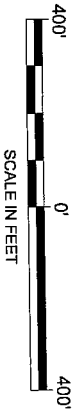
PREPARED BY **C&C Technologies**  
SURVEY SERVICES  
730 E. KALISTE SALOOM ROAD, LAFAYETTE, LA. (337) 261-0660  
LA. REGISTRATION NUMBER: 330

JOB NO. 110835 DWG: REP CHK: HEK  
FILENAME: L:\15S11E\110835C\110835A.DWG

REVISED: DATE: 10/10/2011

SHEET 2 OF 4

LAMBERT GRID NORTH  
NAD 1927 LA. S.Z.



HILCORP ENERGY COMPANY

1201 LOUISIANA, SUITE 1400

HOUSTON, TEXAS 77002

PROP. RE-ENTRY & 3" & 4" F/L'S  
GOODRICH C NO. 4  
DUCK LAKE FIELD  
ST. MARTIN PARISH, LOUISIANA

GOODRICH C NO. 4  
DUCK LAKE FIELD

ST. MARTIN PARISH, LOUISIANA

PREPARED  
BY



**C&C Technologies**  
SURVEY SERVICES

730 E. KAISTE SALOOM ROAD, LAFAYETTE, LA. (337) 281-0560  
L.A. REGISTRATION NUMBER: 330

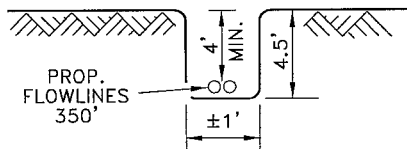
JOB NO. 110835	DWG: REP	CHK: HI
FILENAME: L:\15S11E\110835\C110835B.DWG		

REVISÉ:

DATE: 10/10/2011  
SHEET 3 OF 4

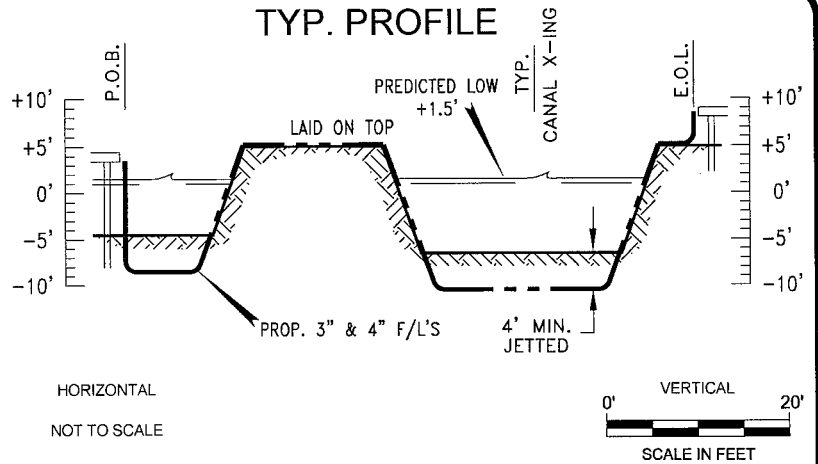
Approx. 58 Cu. Yds. Of Material To Be Displaced By Jetting Operations.

Ditch is to be backfilled by naturally occurring sedimentation.

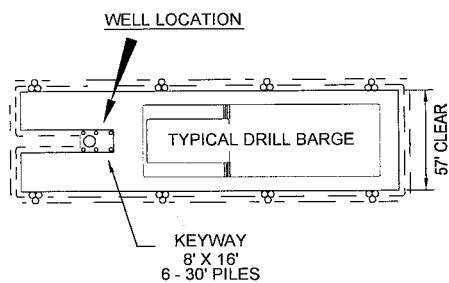


**TYPICAL JETTING DITCH**  
NOT TO SCALE

## TYP. PROFILE

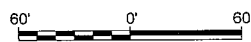


## PLAN

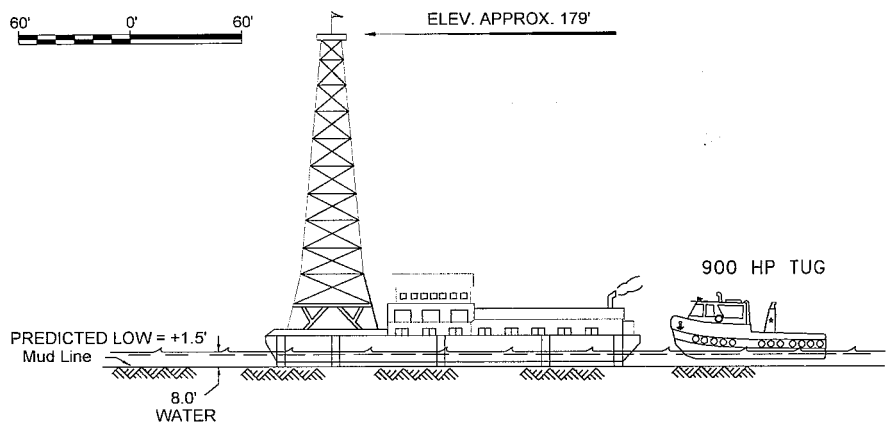


**NOTE:**  
8 TEMPORARY 3 PILE CLUSTER TO BE DRIVEN TO ASSIST IN REMOVING DRILL BARGE FROM LOCN. TEMPORARY CLUSTERS TO BE PULLED WHEN PERMANENT WELL GUARD IS INSTALLED.

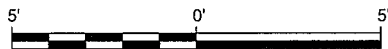
## TYPICAL DIESEL POWERED DRILL BARGE



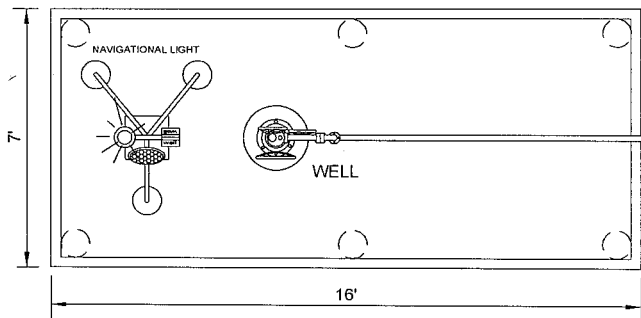
## ELEVATION



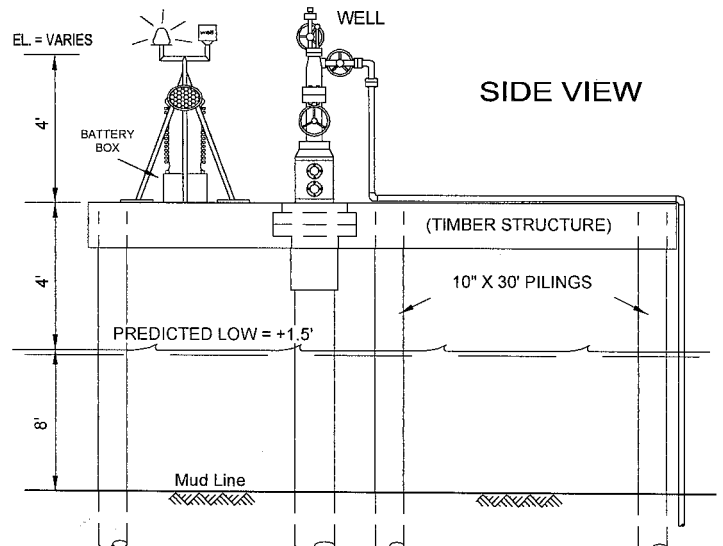
## TYPICAL WELL HEAD PROTECTOR



## TOP VIEW



## NAVIGATIONAL LIGHT



## SIDE VIEW



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**ST. MARTIN PARISH, LOUISIANA**

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DWG: REP

CHK: HEK

REVISED:

DATE: 10/10/2011

FILENAME: L:\15S11E\110835\C\110835B.DWG

**SHEET 4 OF 4**