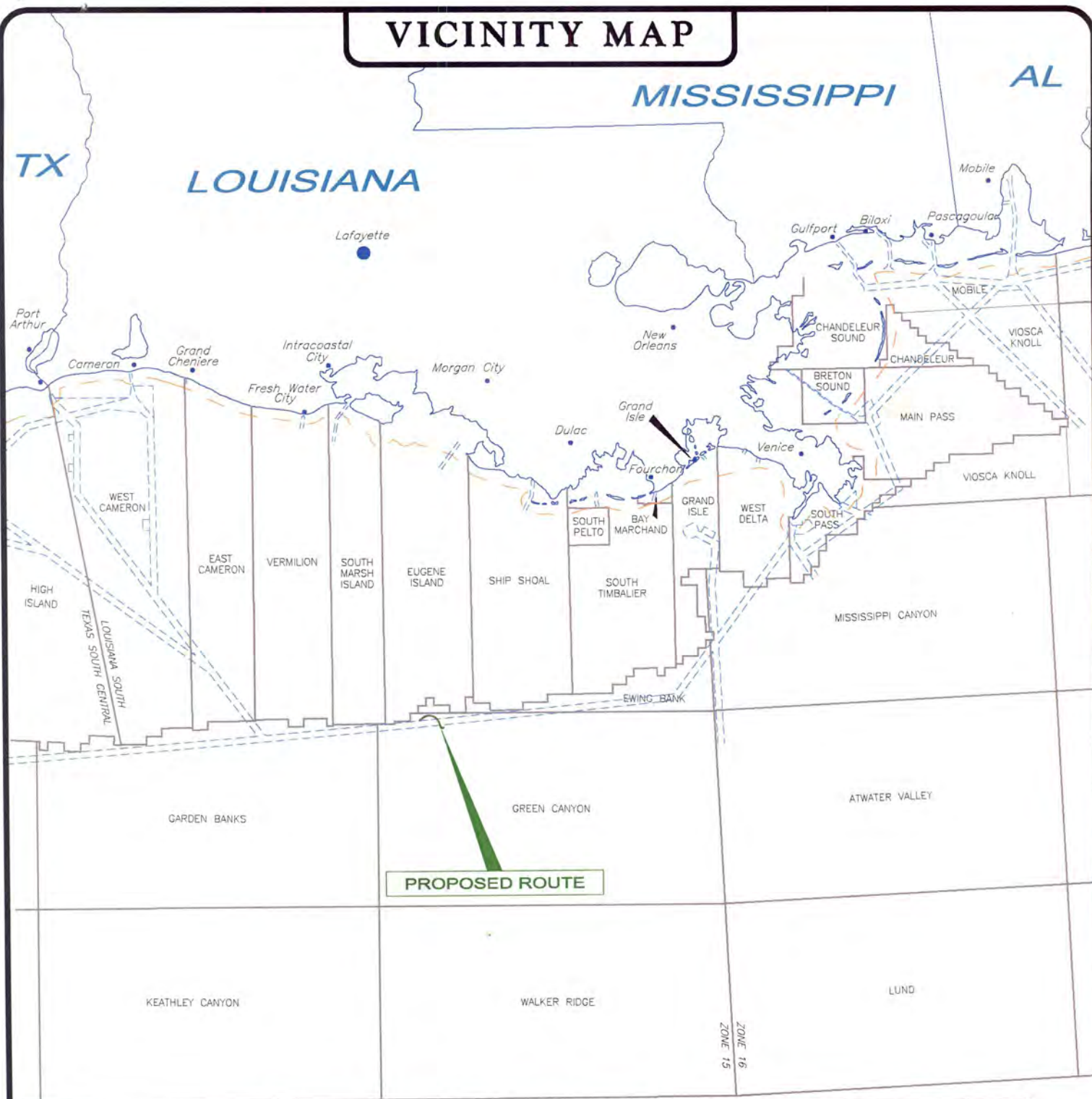


# VICINITY MAP



GULF OF MEXICO



GEODETIC DATUM: NAD27  
 ELLIPSOID: CLARKE 1866  
 GRID UNITS: U.S. SURVEY FEET  
 PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
 ZONE: 15N  
 CENTRAL MERIDIAN: 93° 00' W  
 FALSE EASTING: 1,640,416.67 ft. at C.M.  
 FALSE NORTHING: 0.00 ft. at 00° 00' N

DATE: 09/21/2011 TIME: 13:52 FILENAME: Z:\110364\ACAD\PERMIT\PRMCVR\_110364.DWG



NEXEN PETROLEUM U.S.A. INC.  
 5601 Granite Parkway, Suite 1400  
 Plano, Texas 75251-1270

**PROPOSED 4.50" OD OIL FLOWLINE**  
**Block 6 SWIVEL RING FLANGE to**  
**Block 52 "CPP" Platform**  
**Green Canyon Area**

PREPARED  
 BY:



JOB No: 110364

FILENAME: PRMCVR\_110364.dwg

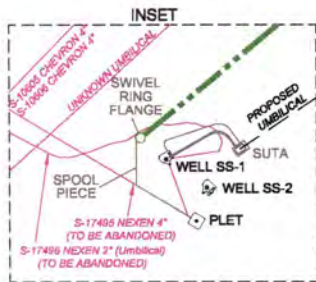
REVISED:

DATE: Sep. 21, 2011

SHEET 1 of 6



# GC5 (Relinquished)





MILITARY  
WARNING AREA  
W-55A

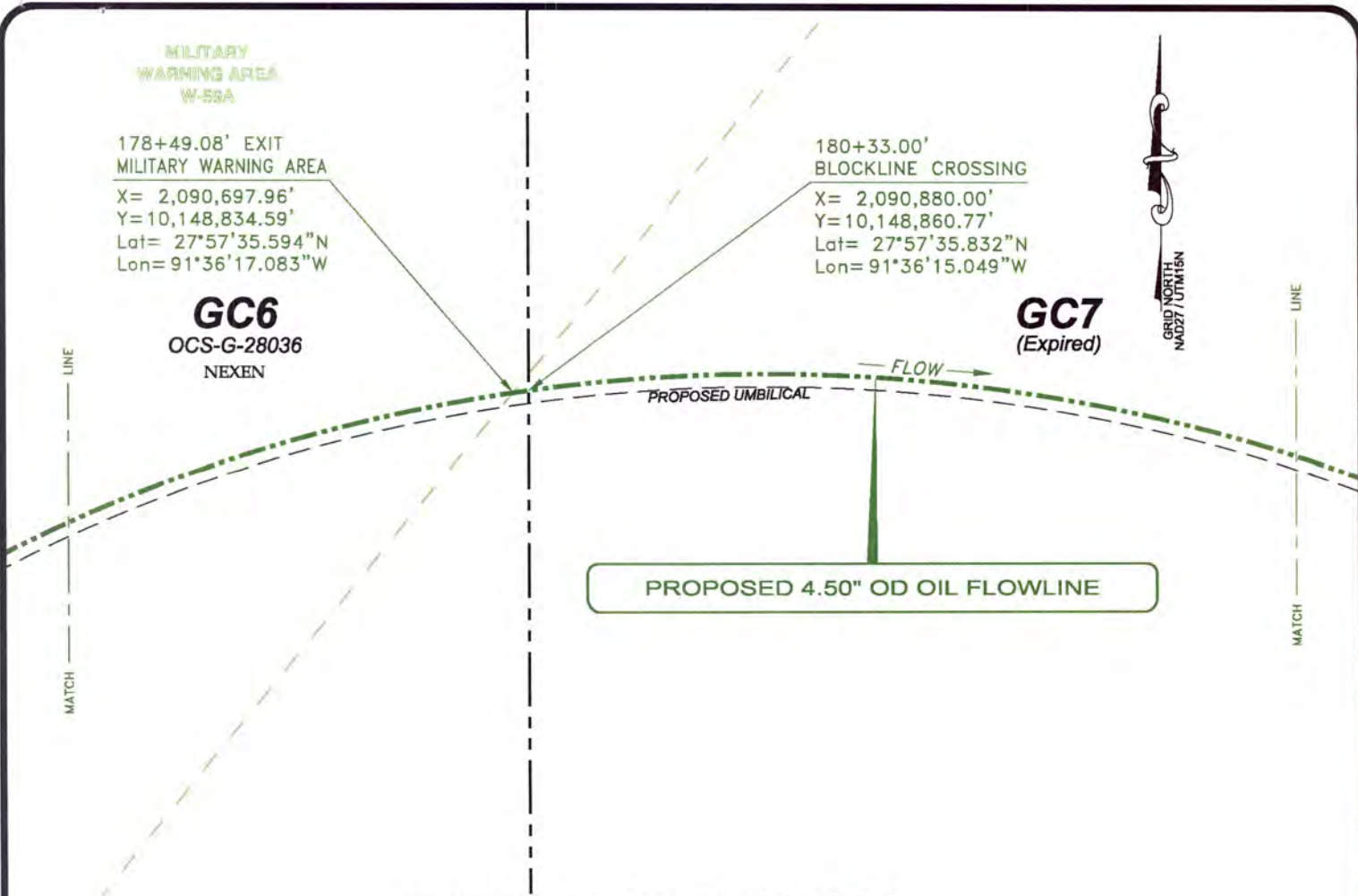
178+49.08' EXIT  
MILITARY WARNING AREA  
X= 2,090,697.96'  
Y=10,148,834.59'  
Lat= 27°57'35.594"N  
Lon= 91°36'17.083"W

**GC6**  
OCS-G-28036  
NEXEN

180+33.00'  
BLOCKLINE CROSSING  
X= 2,090,880.00'  
Y=10,148,860.77'  
Lat= 27°57'35.832"N  
Lon= 91°36'15.049"W

**GC7**  
(Expired)

GRID NORTH  
NAD27 / UTM15N



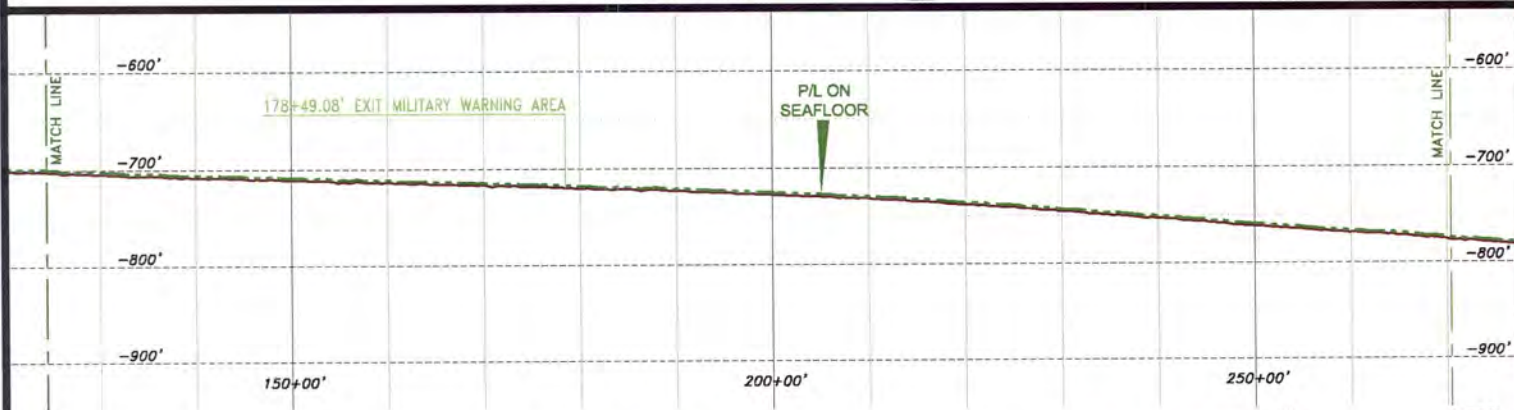
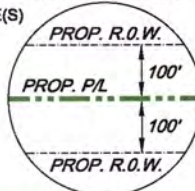
FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.

**PLAN**  
0' 2000'

SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



**PROFILE**

HORIZONTAL SCALE: 0' 2,000'  
VERTICAL SCALE: 0' 200'

VERTICAL EXAGGERATION = 10

DATE: 09/21/2011 TIME: 13:55 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-FL-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

**PROPOSED 4.50" OD OIL FLOWLINE**  
**Block 6 SWIVEL RING FLANGE to**  
**Block 52 "CPP" Platform**  
**Green Canyon Area**

PREPARED  
BY:



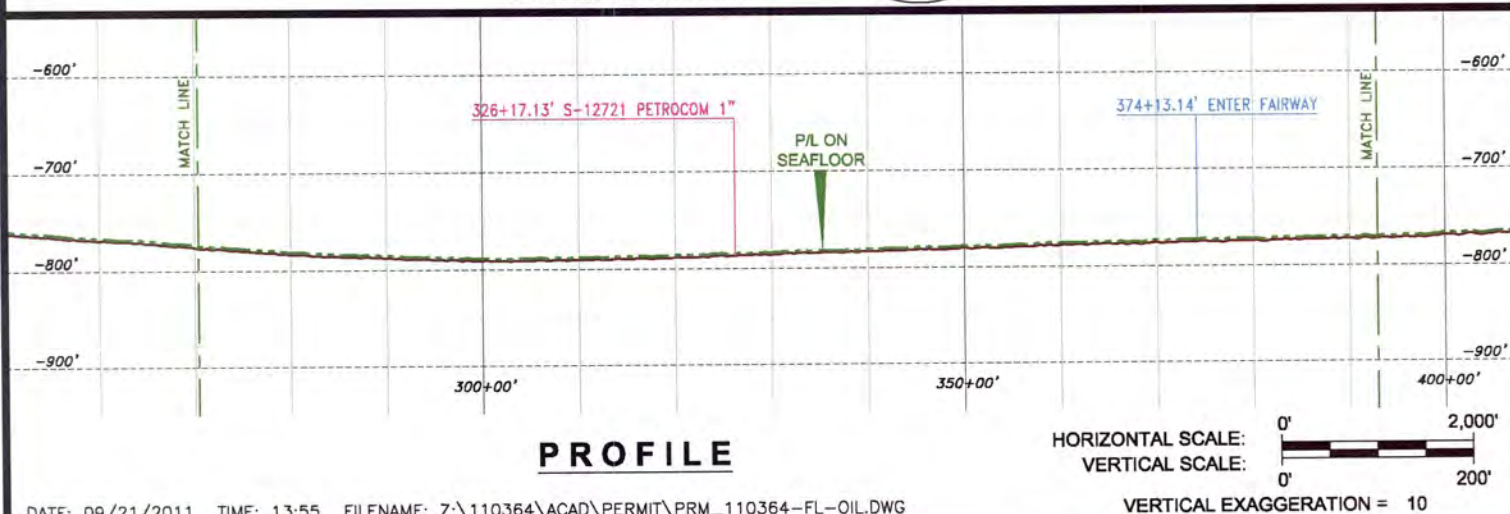
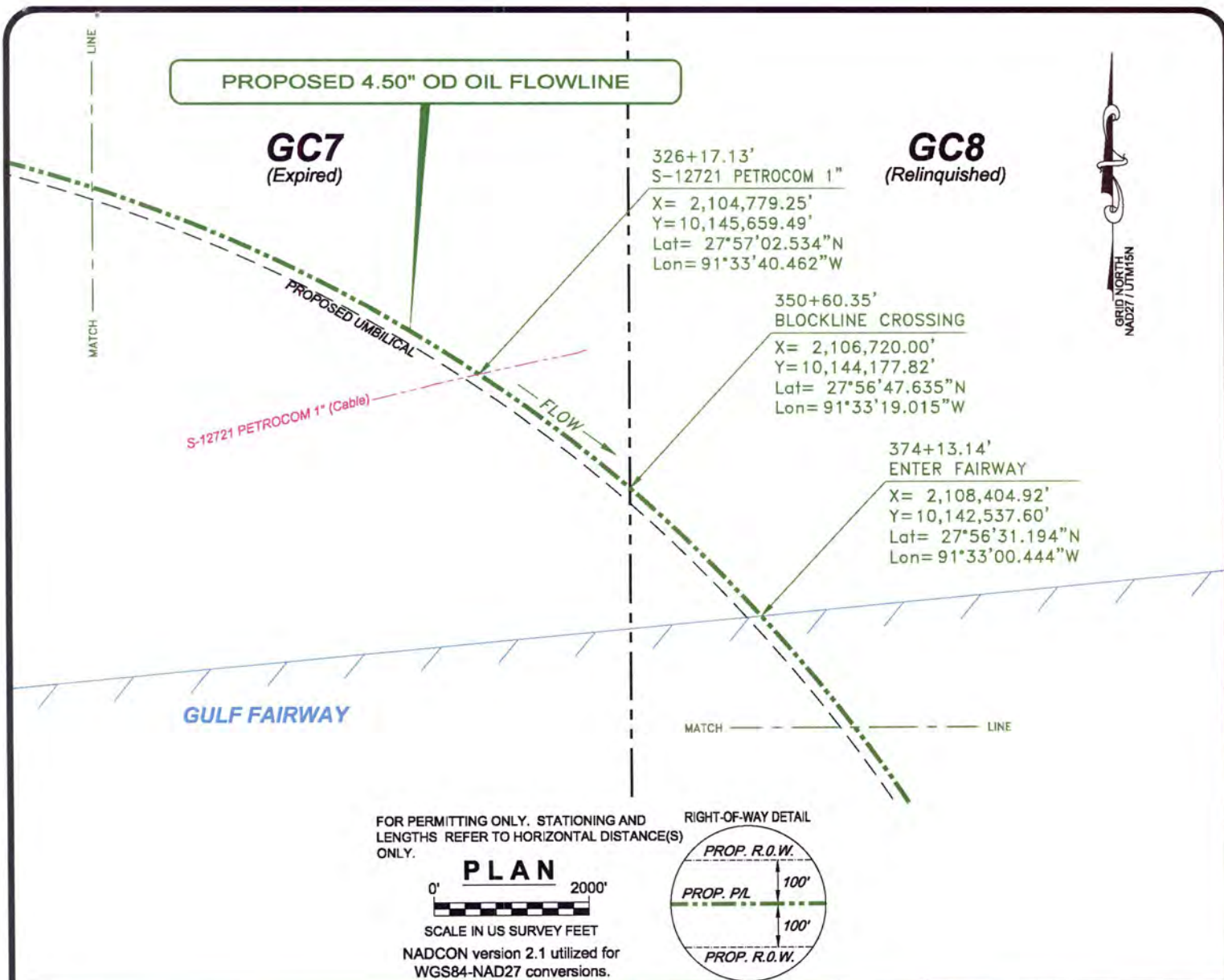
JOB No: 110364

FILENAME: PRM\_110364-FL-OIL.dwg

REVISED:

DATE: Sep. 21, 2011

**SHEET 3 of 6**



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

**PROPOSED 4.50" OD OIL FLOWLINE**  
**Block 6 SWIVEL RING FLANGE to**  
**Block 52 "CPP" Platform**  
**Green Canyon Area**

PREPARED BY:



JOB No: 110364

FILENAME: PRM\_110364-FL-OIL.dwg

REVISED:

DATE: Sep. 21, 2011

SHEET 4 of 6



GRID NORTH  
NAD27 / UTM18N

**GC7**  
(Expired)

**GC8**  
(Relinquished)

**GC51**  
(Expired)

**GC52**  
OCS-G-05884  
CONPHIL/MC OFFSHORE

433+85.59'  
BLOCKLINE CROSSING  
X= 2,111,718.93'  
Y= 10,137,595.61'  
Lat= 27°55'41.864"N  
Lon= 91°32'24.150"W

CURVE 1 DATA	
PC1	71+42.54'
X=	2,081,017.18'
Y=	10,144,568.31'
Lat=	27°56'54.427"N
Lon=	91°38'05.579"W
PT1	454+24.21'
X=	2,112,494.46'
Y=	10,135,711.23'
Lat=	27°55'23.112"N
Lon=	91°32'15.755"W
PI1	
X=	2,103,041.70'
Y=	10,162,479.22'
R=	20,000.00'
T=	28,388.03'
Δ=	109°40'08"
L=	38,281.67'

**GULF FAIRWAY**

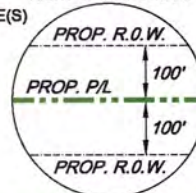
S19°27'00"E  
9,141.93'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

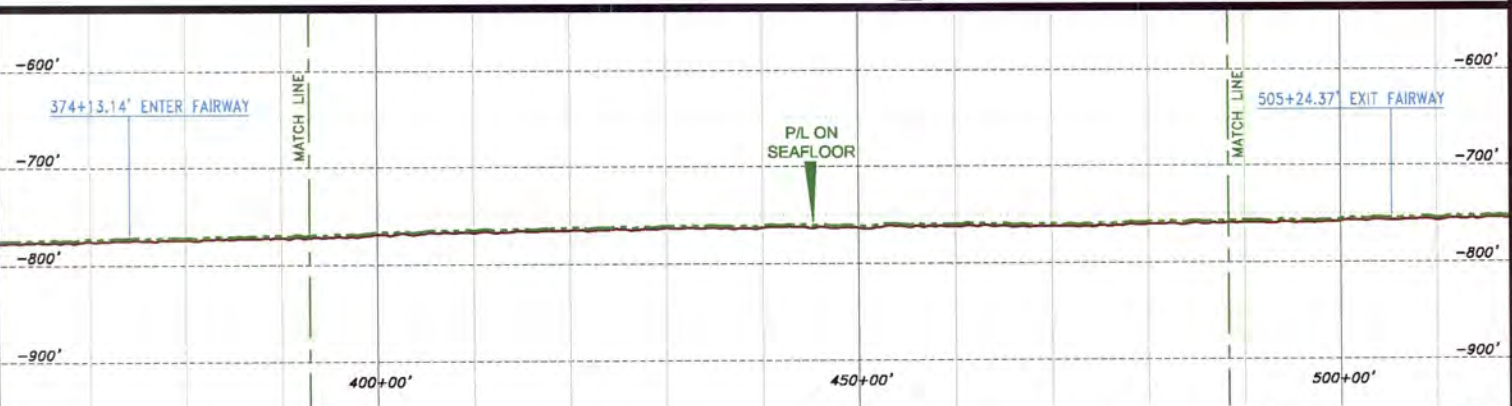


SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



## PROFILE



HORIZONTAL SCALE: 0' to 2,000'  
VERTICAL SCALE: 0' to 200'  
VERTICAL EXAGGERATION = 10

DATE: 09/21/2011 TIME: 13:55 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-FL-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Piano, Texas 75251-1270

**PROPOSED 4.50" OD OIL FLOWLINE**  
**Block 6 SWIVEL RING FLANGE to**  
**Block 52 "CPP" Platform**  
**Green Canyon Area**

PREPARED BY:



JOB No: 110364

FILENAME: PRM\_110364-FL-OIL.dwg

REVISED:

DATE: Sep. 21, 2011

**SHEET 5 of 6**



MATCH LINE

GULF FAIRWAY

**GC52**

OCS-G-05884  
CONPHIL/MC OFFSHORE

**CURVE 2 DATA**

PC2	545+66.14'
X=	2,115,538.58'
Y=	10,127,091.01'
Lat=	27°53'57.387"N
Lon=	91°31'42.974"W
PT2	610+87.56'
X=	2,120,794.43'
Y=	10,126,326.61'
Lat=	27°53'49.188"N
Lon=	91°30'44.497"W
PI2	
X=	2,117,439.29'
Y=	10,121,708.65'
R=	3,000.00'
T=	5,708.11'
Δ=	124°33'00"
L=	6,521.42'

505+24.37'  
EXIT FAIRWAY  
X= 2,114,193.46'  
Y= 10,130,902.38'  
Lat= 27°54'35.290"N  
Lon= 91°31'57.457"W

S19°27'00"E  
9,141.93'

N36°00'00"E  
1,000.05'

**GC53**

OCS-G-05885  
CONPHIL/MC OFFSHORE

620+87.61'  
MC OFFSHORE "CPP" (T.O.R.)  
X= 2,121,382.24'  
Y= 10,127,135.66'  
Lat= 27°53'57.129"N  
Lon= 91°30'37.836"W

PROPOSED GAS ROUTE  
PROPOSED UMBILICAL

**PROPOSED 4.50" OD OIL FLOWLINE**  
TOTAL LENGTH = 62,087.61' = 11.76 statute miles

S-8587 MC OFFSHORE 8"-10"  
S-8586 MC OFFSHORE 14"-10"  
S-18083 DEEP GULF 5" (Permitted)

S-18084 DEEP GULF 3" (Permitted Umbilical)  
S-18049 LLOG 4"-6"  
S-18050 LLOG 3" (Umbilical)

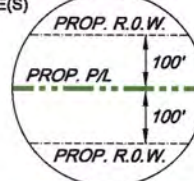
POINT	STATION	DESCRIPTION	X COORDINATE	Y COORDINATE	LATITUDE	LONGITUDE
1	592+83.02'	DEEP GULF 5" (Perm)	2,119,370.57'	10,125,262.67'	27°53'38.823"N	91°31'00.510"W
2	593+54.39'	MC OFFSHORE 14"-10"	2,119,437.54'	10,125,287.33'	27°53'39.060"N	91°30'59.761"W
3	598+15.29'	MC OFFSHORE 8"-10"	2,119,853.82'	10,125,484.11'	27°53'40.958"N	91°30'55.095"W
4	601+51.83'	DEEP GULF 3" (Perm Umb)	2,120,136.19'	10,125,666.88'	27°53'42.734"N	91°30'51.923"W
5	604+59.91'	LLOG 4"-6"	2,120,375.27'	10,125,860.98'	27°53'44.628"N	91°30'49.232"W
6	606+44.80'	LLOG 3" (Umbilical)	2,120,508.74'	10,125,988.87'	27°53'45.878"N	91°30'47.727"W

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

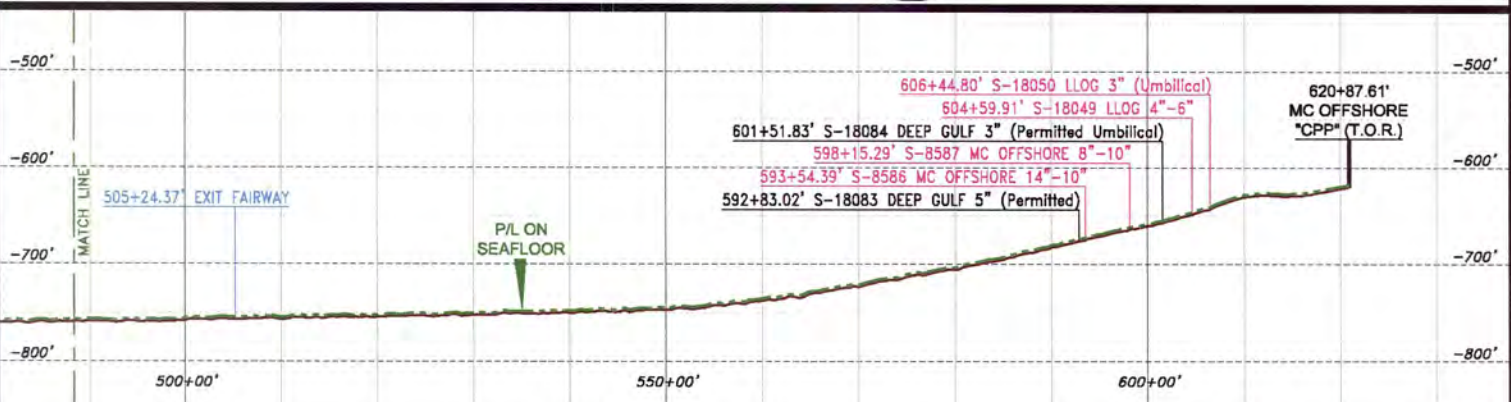
RIGHT-OF-WAY DETAIL



SCALE IN US SURVEY FEET  
NADCON version 2.1 utilized for WGS84-NAD27 conversions.



**PROFILE**



HORIZONTAL SCALE: 0' 2,000'  
VERTICAL SCALE: 0' 200'

VERTICAL EXAGGERATION = 10

DATE: 09/21/2011 TIME: 13:55 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-FL-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

**PROPOSED 4.50" OD OIL FLOWLINE**  
Block 6 SWIVEL RING FLANGE to  
Block 52 "CPP" Platform  
Green Canyon Area

PREPARED BY:



JOB No: 110364

REVISED:

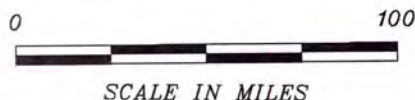
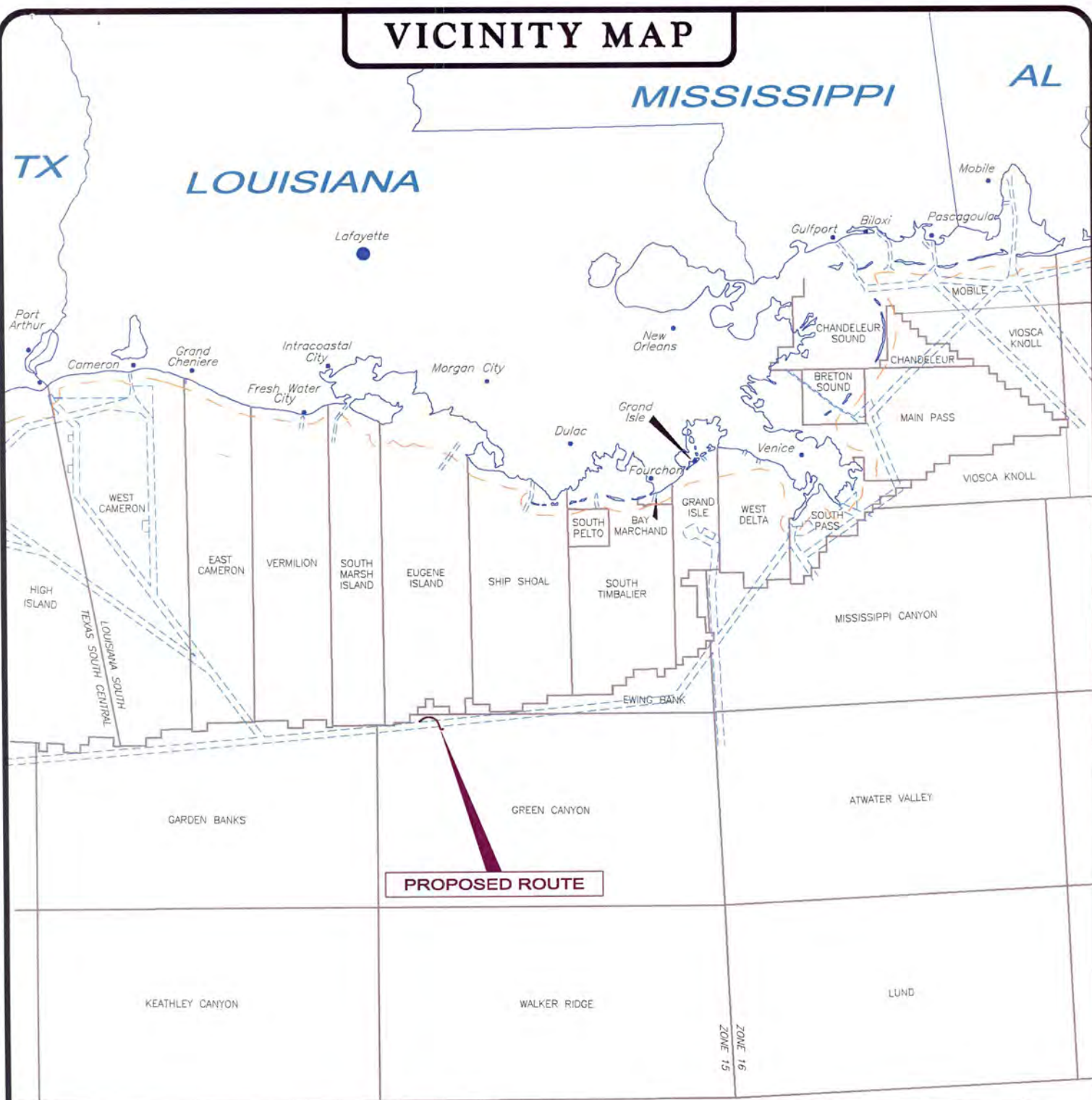
DATE: Sep. 21, 2011

FILENAME: PRM\_110364-FL-OIL.dwg

SHEET 6 of 6



# VICINITY MAP



GEODETIC DATUM: NAD27  
 ELLIPSOID: CLARKE 1866  
 GRID UNITS: U.S. SURVEY FEET  
 PROJECTION: UNIVERSAL TRANSVERSE MERCATOR  
 ZONE: 15N  
 CENTRAL MERIDIAN: 93° 00' W  
 FALSE EASTING: 1,640,416.67 ft. at C.M.  
 FALSE NORTHING: 0.00 ft. at 00° 00' N

DATE: 09/21/2011 TIME: 13:52 FILENAME: Z:\110364\ACAD\PERMIT\PRMCVR\_110364.DWG



NEXEN PETROLEUM U.S.A. INC.  
 5601 Granite Parkway, Suite 1400  
 Plano, Texas 75251-1270

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL  
 Block 52 "CPP" Platform  
 to Block 6 SUTA  
 Green Canyon Area

PREPARED  
 BY:



JOB No: 110364

FILENAME: PRMCVR\_110364.dwg

REVISED:

DATE: Sep. 21, 2011

SHEET 1 of 6



MATCH ——— LINE

GULF FAIRWAY

CURVE 1 DATA	
PC1	10+77.52'
X=	2,120,748.89'
Y=	10,126,263.93'
Lat=	27°53'48.573"N
Lon=	91°30'45.013"W
PT1	77+18.50'
X=	2,115,396.69'
Y=	10,127,042.35'
Lat=	27°53'56.922"N
Lon=	91°31'44.562"W
PI1	
X=	2,117,332.24'
Y=	10,121,561.31'
R=	3,055.00'
T=	5,812.75'
Δ=	124°33'00"
L=	6,640.98'

117+96.88'  
ENTER FAIRWAY  
X= 2,114,038.65'  
Y= 10,130,887.98'  
Lat= 27°54'35.166"N  
Lon= 91°31'59.185"W

N19°27'00"W  
9,140.56'

S36°00'00"W  
1,077.52'

**GC52**  
OCS-G-05884  
CONPHIL/MC OFFSHORE

**GC53**  
OCS-G-05885  
CONPHIL/MC OFFSHORE

00+00.00'  
MC OFFSHORE "CPP" (T.O.R.)  
X= 2,121,382.24'  
Y= 10,127,135.66'  
Lat= 27°53'57.129"N  
Lon= 91°30'37.836"W

GRID NORTH  
NAD27 / UTM15N

PROPOSED GAS ROUTE  
PROPOSED UMBILICAL

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL  
TOTAL LENGTH = 61,926.07' = 11.73 statute miles

S-8587 MC OFFSHORE 8"-10"  
S-8586 MC OFFSHORE 14"-10"  
S-18083 DEEP GULF 5" (Permitted)

S-18084 DEEP GULF 3" (Permitted Umbilical)  
S-18049 LLOG 4"-6"  
S-18050 LLOG 3" (Umbilical)

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL CROSSINGS

POINT	STATION	DESCRIPTION	X COORDINATE	Y COORDINATE	LATITUDE	LONGITUDE
1	14+89.52'	LLOG 3" (Umbilical)	2,120,485.02'	10,125,947.93'	27°53'45.476"N	91°30'47.997"W
2	16+87.13'	LLOG 4"-6"	2,120,343.90'	10,125,809.64'	27°53'44.123"N	91°30'49.588"W
3	19+95.01'	DEEP GULF 3" (Perm Umb)	2,120,107.05'	10,125,613.15'	27°53'42.206"N	91°30'52.255"W
4	23+89.21'	MC OFFSHORE 8"-10"	2,119,777.04'	10,125,398.05'	27°53'40.115"N	91°30'55.962"W
5	28+65.15'	MC OFFSHORE 14"-10"	2,119,345.90'	10,125,197.58'	27°53'38.182"N	91°31'00.794"W
6	29+37.89'	DEEP GULF 5" (Perm)	2,119,277.46'	10,125,172.96'	27°53'37.946"N	91°31'01.560"W

THE PROPOSED ROUTE IS ACCURATELY  
REPRESENTED.

RALPH A. COLEMAN  
PROFESSIONAL LAND SURVEYOR  
LOUISIANA REGISTRATION No. 4691

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LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.

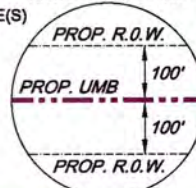
PLAN



SCALE IN US SURVEY FEET

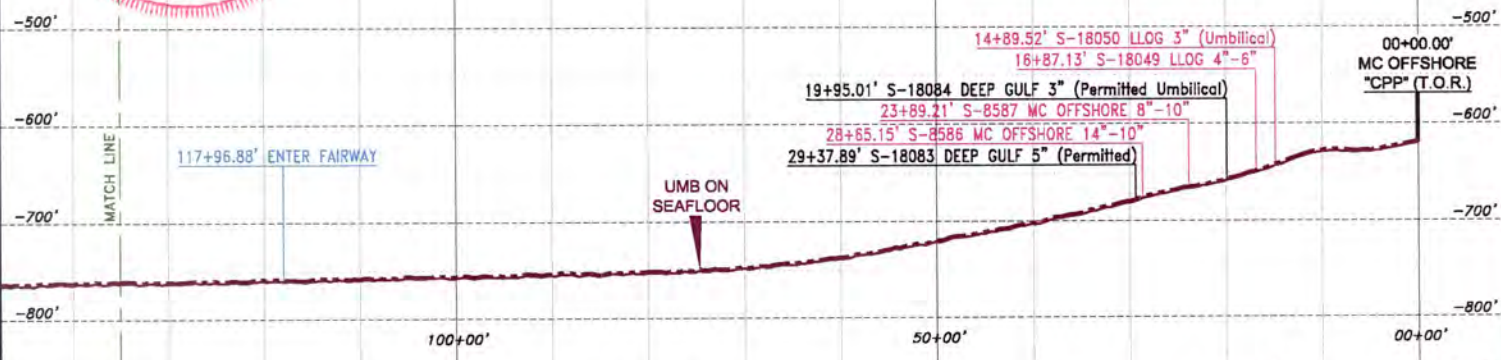
NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



DESIGN CHARACTERISTICS OF THIS  
ROUTE ARE IN COMPLIANCE WITH  
APPLICABLE REGULATIONS.

AREA ENGINEER



PROFILE

HORIZONTAL SCALE: 0' 2,000'  
VERTICAL SCALE: 0' 200'

VERTICAL EXAGGERATION = 10

DATE: 09/21/2011 TIME: 13:06 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-UMB-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL  
Block 52 "CPP" Platform  
to Block 6 SUTA  
Green Canyon Area

PREPARED  
BY:



JOB No: 110364

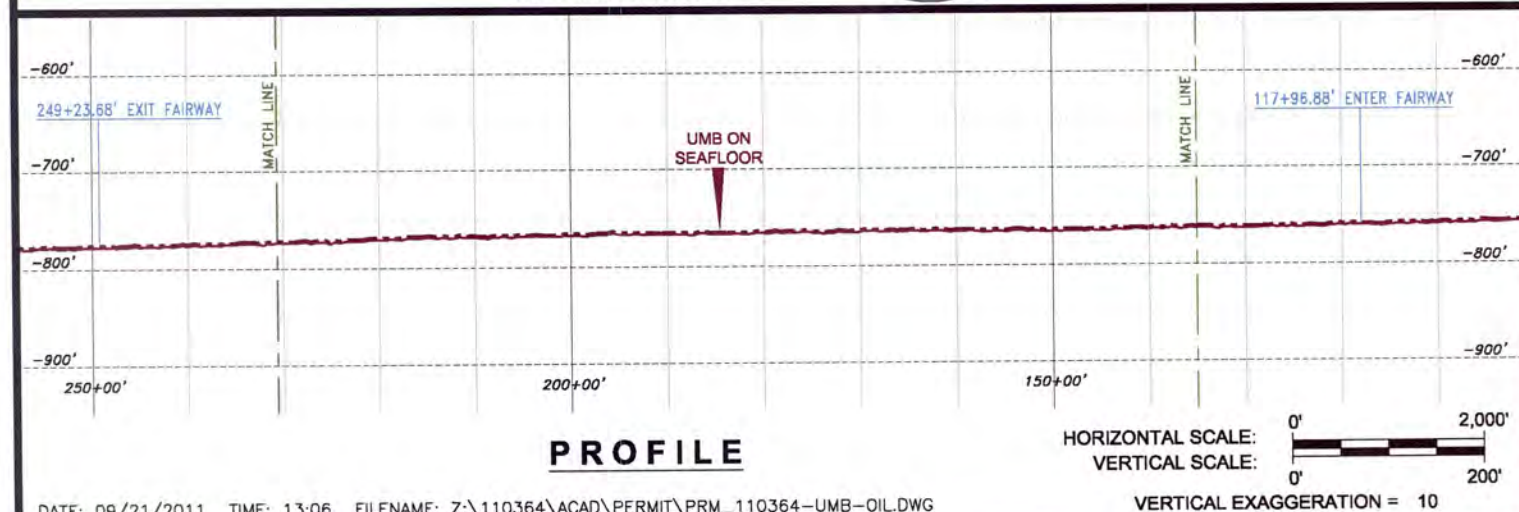
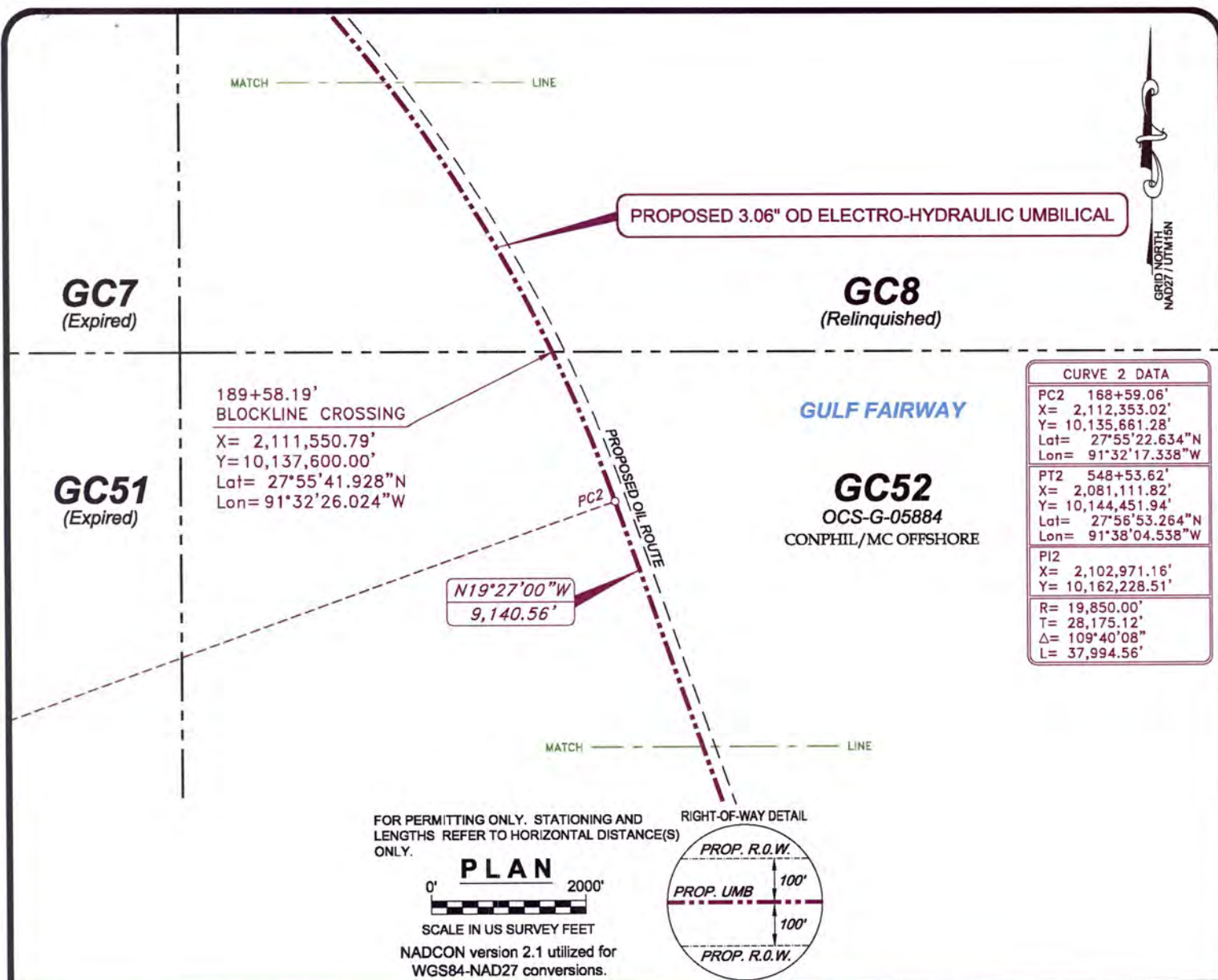
FILENAME: PRM\_110364-UMB-OIL.dwg

REVISED:

DATE: Sep. 21, 2011

SHEET 2 of 6





DATE: 09/21/2011 TIME: 13:06 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-UMB-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

**PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL**  
**Block 52 "CPP" Platform**  
**to Block 6 SUTA**  
**Green Canyon Area**

PREPARED  
BY:



JOB No: 110364

FILENAME: PRM\_110364-UMB-OIL.dwg

REVISED:

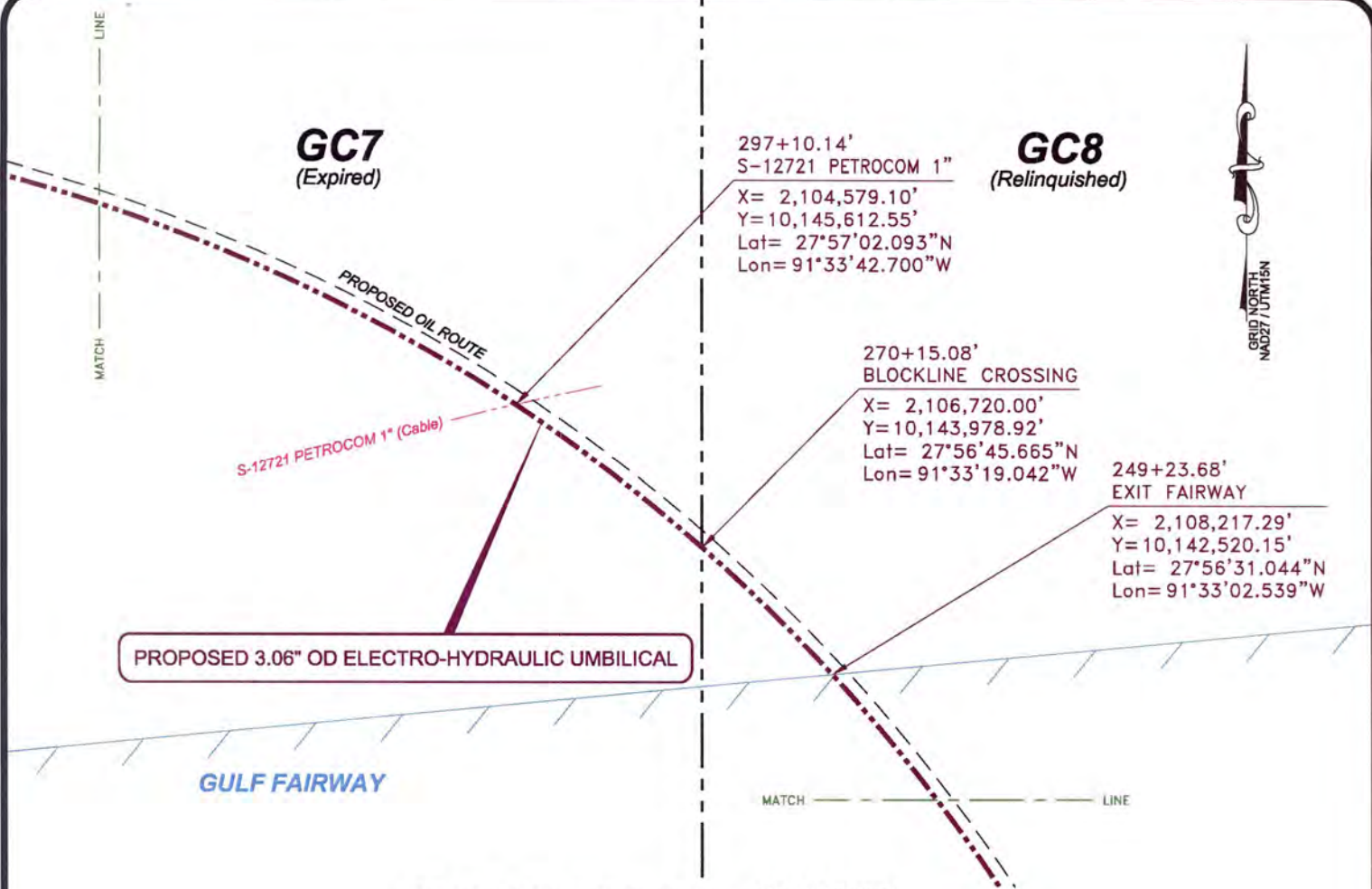
DATE: Sep. 21, 2011

**SHEET 3 of 6**



**GC7**  
(Expired)

**GC8**  
(Relinquished)



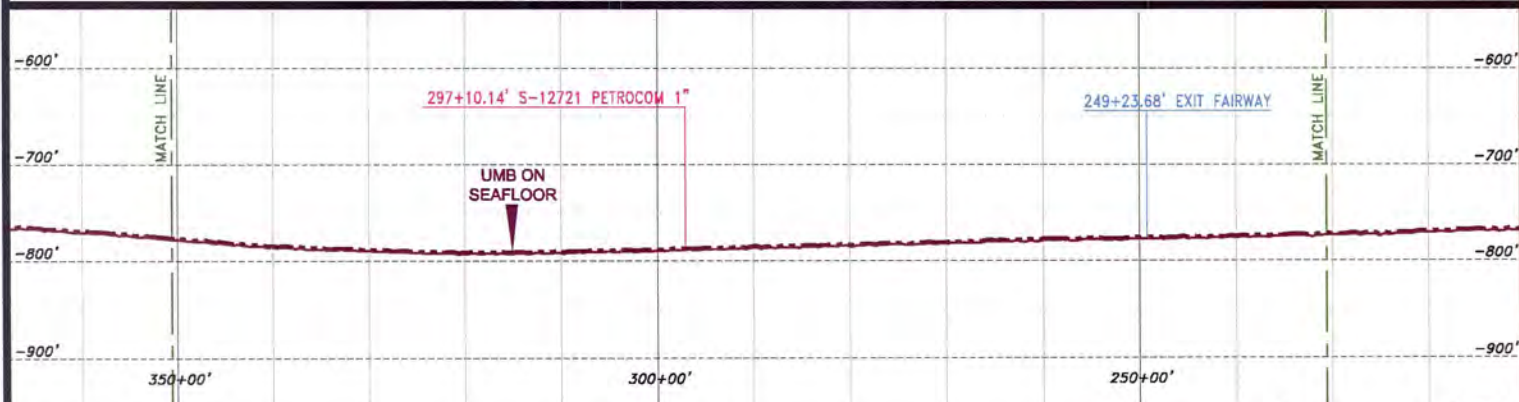
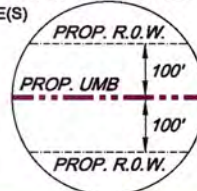
FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.



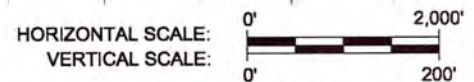
SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



**PROFILE**



DATE: 09/21/2011 TIME: 13:06 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-UMB-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
 5601 Granite Parkway, Suite 1400  
 Plano, Texas 75251-1270

**PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL**  
**Block 52 "CPP" Platform**  
**to Block 6 SUTA**  
**Green Canyon Area**

PREPARED BY:



**C&C Technologies**  
 SURVEY SERVICES  
 730 E. KALISTE SALOOM ROAD, LAFAYETTE, LA (337) 281-0880

JOB No: 110364

FILENAME: PRM\_110364-UMB-OIL.dwg

REVISED:

DATE: Sep. 21, 2011

**SHEET 4 of 6**



MILITARY  
WARNING AREA  
W-55A

443+95.34' ENTER  
MILITARY WARNING AREA  
X= 2,090,553.95'  
Y= 10,148,660.85'  
Lat= 27°57'33.889"N  
Lon= 91°36'18.711"W

**GC6**  
OCS-G-28036  
NEXEN

440+65.71'  
BLOCKLINE CROSSING  
X= 2,090,880.00'  
Y= 10,148,709.32'  
Lat= 27°57'34.333"N  
Lon= 91°36'15.068"W

**GC7**  
(Expired)

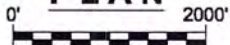
GRID NORTH  
NAD27/UTM16N

PROPOSED OIL ROUTE

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL

FOR PERMITTING ONLY. STATIONING AND  
LENGTHS REFER TO HORIZONTAL DISTANCE(S)  
ONLY.

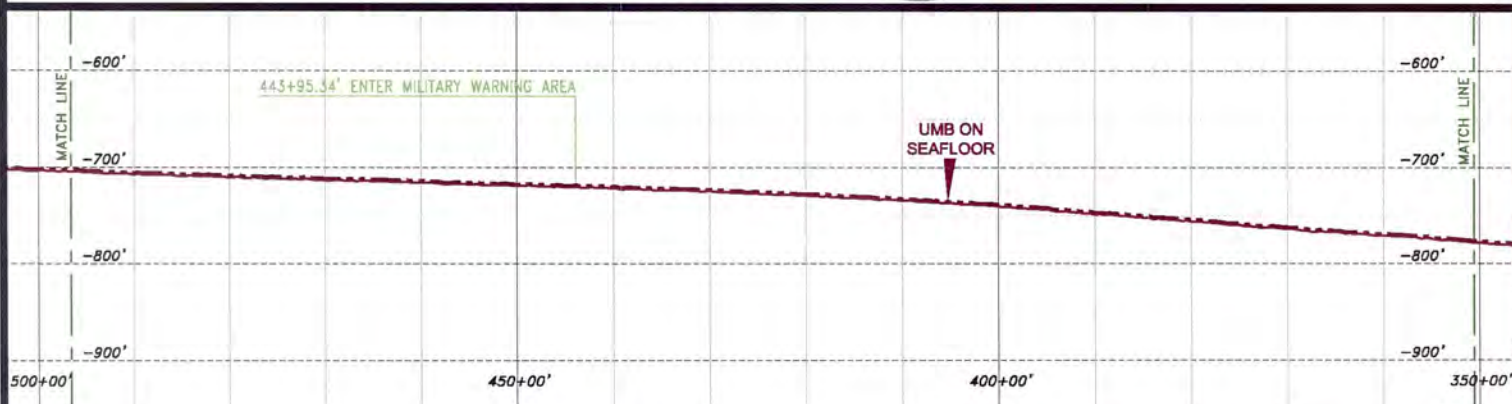
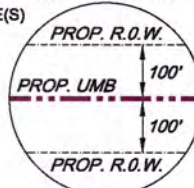
**PLAN**



SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for  
WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



**PROFILE**

HORIZONTAL SCALE:  
VERTICAL SCALE:



VERTICAL EXAGGERATION = 10

DATE: 09/21/2011 TIME: 13:06 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-UMB-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL  
Block 52 "CPP" Platform  
to Block 6 SUTA  
Green Canyon Area

PREPARED  
BY:



**C&C Technologies**  
SURVEY SERVICES

730 E. KALISTE SALOOM ROAD, LAFAYETTE, LA (337) 281-0660

JOB No: 110364

FILENAME: PRM\_110364-UMB-OIL.dwg

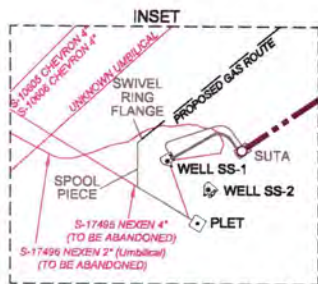
REVISED:

DATE: Sep. 21, 2011

SHEET 5 of 6



# GC5 (Relinquished)



619+26.07'  
SUTA  
X= 2,075,579.95'  
Y= 10,140,050.08'  
Lat= 27°56'10.280"N  
Lon= 91°39'06.767"W

MILITARY  
WARNING AREA  
W-59A

# GC6 OCS-G-28036 NEXEN

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL  
TOTAL LENGTH = 61,926.07' = 11.73 statute miles

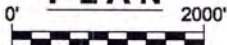
CURVE 2 DATA	
PC2	168+59.06'
X=	2,112,353.02'
Y=	10,135,661.28'
Lat=	27°55'22.634"N
Lon=	91°32'17.338"W
PT2	548+53.62'
X=	2,081,111.82'
Y=	10,144,451.94'
Lat=	27°56'53.264"N
Lon=	91°38'04.538"W
PI2	
X=	2,102,971.16'
Y=	10,162,228.51'
R=	19,850.00'
T=	28,175.12'
Δ=	109°40'08"
L=	37,994.56'

S50°52'52"W  
6,219.50'

S56°00'00"W  
830.62'

FOR PERMITTING ONLY. STATIONING AND LENGTHS REFER TO HORIZONTAL DISTANCE(S) ONLY.

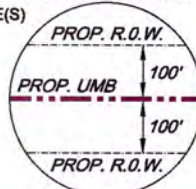
## PLAN



SCALE IN US SURVEY FEET

NADCON version 2.1 utilized for WGS84-NAD27 conversions.

RIGHT-OF-WAY DETAIL



## PROFILE

HORIZONTAL SCALE: 0' to 2,000'  
VERTICAL SCALE: 0' to 200'

VERTICAL EXAGGERATION = 10

DATE: 09/21/2011 TIME: 13:06 FILENAME: Z:\110364\ACAD\PERMIT\PRM\_110364-UMB-OIL.DWG



NEXEN PETROLEUM U.S.A. INC.  
5601 Granite Parkway, Suite 1400  
Plano, Texas 75251-1270

PROPOSED 3.06" OD ELECTRO-HYDRAULIC UMBILICAL  
Block 52 "CPP" Platform  
to Block 6 SUTA  
Green Canyon Area

PREPARED BY:



JOB No: 110364

FILENAME: PRM\_110364-UMB-OIL.dwg

REVISED:

DATE: Sep. 21, 2011

SHEET 6 of 6