NOTES:

1) ALL COORDINATES AND BEARINGS ARE RELATIVE TO THE TEXAS STATE PLANE COORDINATE SYSTEM,SOUTH CENTRALZONE(NAD 83).

2) ALL DISTANCES SHOWN ARE HORIZONTAL SURFACE LEVEL LENGTHS. (SF= 0.999973880).

3) PIPELINE LOCATION AND DEPTH OF COVER WAS DETERMINED BY PHYSICALLY PROBING THE PIPELINE AND RECORDING THE COVER.

4) THE PURPOSE OF THIS SURVEY IS TO LOCATE THE INDICATED PIPELINE IN RELATION TO THE EXISTING AND PROPOSED TOPOGRAPHIC FEATURES. NO EFFORT WAS MADE TO PERFORM A LAND SURVEY AS DEFINED IN "LAND SURVEY PRACTICES ACT".

5) PIPELINE STATIONS ARE RELATIVE TO THE AS-BUILT ALIGNMENT FOR THE DOW PIPELINE 6" UCAR. DOW DWG No. GCPL_TEXAS CITY TO GROVES.6IN-008. AND ARE BASED ON THE EXISTING MLV # 8 AT STATION 985+95.

LEGEND

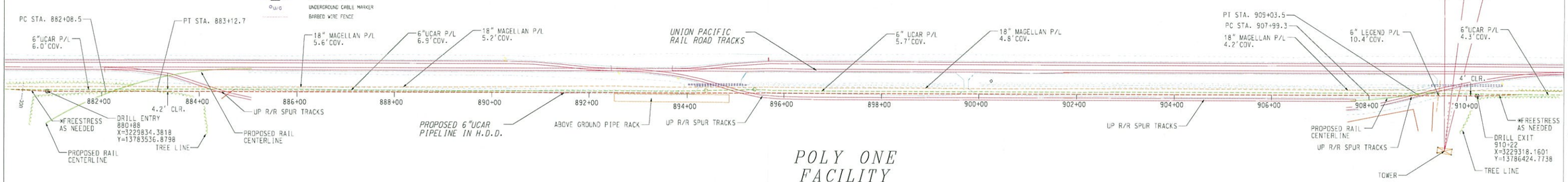
- VALVE
- 90° OVERBEND OR SAGBEND
- 45° OVERBEND OR SAGBEND
- PIPELINE MARKER
- TEST LEAD
- VENT
- STUB-UP
- FLANGE
- END OF PIPELINE
- BELOW GRADE PIPELINE
- ABOVE GROUND PIPELINE
- ℄ OF PROPOSED PIPELINE
- RAILROAD TRACK
- TOP BANK
- TOE OF SLOPE
- TREE LINE
- POWER POLE
- GUY ANCHOR
- OVERHEAD WIRE
- UNDERGROUND CABLE
- UNDERGROUND CABLE MARKER
- BARBED WIRE FENCE

HARRIS COUNTY TEXAS

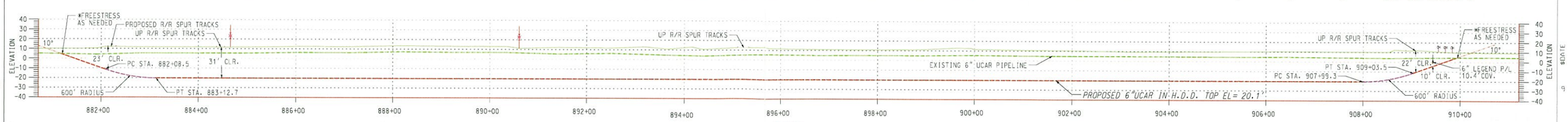
SOUTHERN PACIFIC TRANS. COMPANY (T. & N.O.R.R.)

0 50 100 200 FEET

1" = 100' (24" X 36" SHEET)
1" = 200' (11" X 17" SHEET)



STATION	DESCRIPTION
880+60	6" UCAR P/L 4.8' COV..18" MAGELLAN P/L 6.1' LT..EL= 10.2
880+88	ENTER DRILL 4.2' RT..EL= 10.2
881+74	6" UCAR P/L 4.8' COV..EL= 10.0
882+22	PROP. R/R SPUR TOP OF RAIL .EL= 12.6
883+83	6" UCAR P/L 6.0' COV..18" MAGELLAN P/L 5.7' LT..EL= 11.6
884+45	R/R SPUR TOP OF RAIL .EL= 12.6
884+66	FENCE LINE X-ING
885+00	6" UCAR P/L 6.8' COV..EL= 11.8
886+08	6" UCAR P/L 6.8' COV..EL= 12.6
887+11	6" UCAR P/L 6.9' COV..EL= 12.4
888+18	6" UCAR P/L 7.0' COV..18" MAGELLAN P/L 7.7' LT..EL= 13.5
889+26	6" UCAR P/L 7.1' COV..EL= 13.0
890+35	6" UCAR P/L 7.7' COV..EL= 13.0
890+60	TOE OF BALLAST. FNC. X-ING .EL= 11.3
891+42	6" UCAR P/L 6.6' COV..EL= 12.2
892+53	6" UCAR P/L 5.4' COV.PIPE SUPPORT 1.9' RT..EL= 11.8
893+20	TOP OF BALLAST. FNC. X-ING .EL= 13.0
893+65	6" UCAR P/L 6.7' COV.PIPE SUPPORT 1.9' RT..EL= 10.8
894+16	TOP OF BALLAST. AT TOE OF SLOPE.EL= 12.2
894+39	6" UCAR P/L VENT PIPE .EL= 11.3
895+21	R/R SPUR TOP OF RAIL .EL= 13.5
895+67	TOP OF BALLAST. EL= 12.7
895+76	6" UCAR P/L 6.0' COV..EL= 11.8
896+79	6" UCAR P/L 5.7' COV..EL= 10.9
897+82	6" UCAR P/L 5.5' COV..18" MAGELLAN P/L 7.0' LT..EL= 10.7
898+91	6" UCAR P/L 5.9' COV..EL= 11.0
899+61	TOP OF BALLAST. EL= 12.8
899+94	TOP OF BALLAST. EL= 12.6
900+91	6" UCAR P/L 6.0' COV..EL= 10.8
902+13	6" UCAR P/L 5.4' COV..EL= 10.4
903+13	6" UCAR P/L 6.0' COV..18" MAGELLAN P/L 7.1' LT..EL= 9.5
905+40	6" UCAR P/L 5.2' COV..EL= 10.0
906+48	6" UCAR P/L 5.5' COV..EL= 10.4
907+54	6" UCAR P/L 5.7' COV..EL= 10.5
908+54	6" UCAR P/L 5.6' COV..18" MAGELLAN P/L 6.5' LT..EL= 10.2
908+65	TOP OF BALLAST. EL= 12.4
908+98	R/R SPUR TOP OF RAIL .EL= 12.9
909+15	TOP OF BALLAST. EL= 12.1
909+44	6" LEGEND P/L X-ING 10.4' COV.. EL= 10.8
909+55	O/H POWER LINE X-ING.6" UCAR P/L 6.2' COV. . EL= 10.8
909+70	O/H POWER LINE X-ING
909+84	O/H POWER LINE X-ING
910+22	EXIT DRILL 4.0' RT.4.6' COV..EL= 9.9'



PROFILE LOOKING WEST

REFER TO PLAN VIEW THIS SHEET

1" =100' HORIZONTAL
1" = 50' VERTICAL
(24" X 36" SHEET)

1" = 200' HORIZONTAL
1" = 100' VERTICAL
(11" X 17" SHEET)

PROPOSED PIPE LENGTH = 2933.7'

FOR CLIENT APPROVAL

REV. MARK	REVISION	BY	CHK	APP	DATE

REV. MARK	REVISION	BY	CHK	APP	DATE

DRAWING ISSUE RECORD

ISSUE NO.	REV	MATERIAL OR JOB SPEC	BID	FAB	CONST	REF
			DATE ISSUED FOR			

DESIGNED		
DRAWN SB	3/28/16	
CHECKED SB	3/28/16	
APPROVED		
PROJ. SURV. STEVE BARKER	3/28/16	
MFG. REP. LYNN VICKERS		

INDEXED PROJECT
P.E. SEAL
PLANT NO.

THE DOW CHEMICAL COMPANY
TEXAS OPERATIONS FREEPORT, TEXAS

PROPOSED HORIZONTAL DIRECTIONAL DRILL FOR THE 6" UCAR PIPELINE CROSSING OF UNION PACIFIC R/R SPURS, HARRIS COUNTY, TEXAS

CHARGE NO.	SCALE	
PENDING	AS SHOWN	B2-UCAR HDD-PENDING

REV.

PRINTED

Doyle & Wachtstetter, Inc.
Surveying and Mapping GPS/GIS
131 COMMERCE STREET, CLUTE, TEXAS 77531
OFFICE: 979.265.3622 FAX: 979.265.9940

$INSTRUCTIONS $PERSON $TIME $DATE $FILENAME

CIV