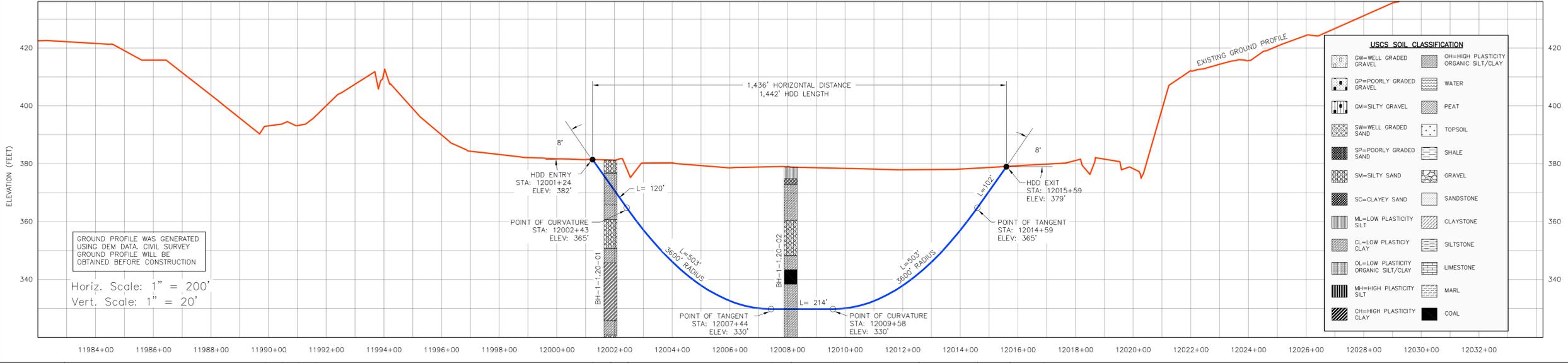
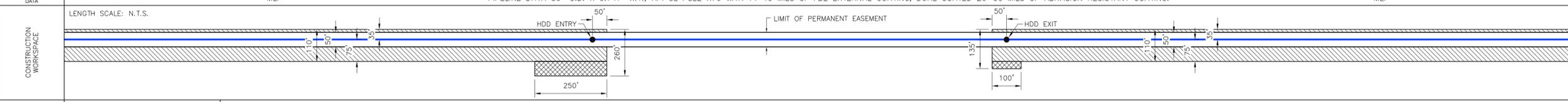


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 - CLEANUP/STABILIZATION/RESTORATION: ALL DISTURBED AREAS SHALL BE RETURNED TO THE ORIGINAL CONDITIONS. DISTURBED AREAS SHALL BE SEEDED AS SPECIFIED IN PROJECT DOCUMENTS.
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CROSSING INFORMATION (ESTIMATED SHOWN)

11989+78 P.L. 03101050° RT.	12001+24 HDD ENTRY	12007+44 PT OF TANGENT	12014+59 PT OF TANGENT	12015+59 HDD EXIT	12017+20 P.L. 172720° RT.
11990+46 P.L. 043536° RT.	12001+86 BH-1-1.20-01	12009+58 PT OF CURVATURE	12014+94 BH-1-1.20-04		
11990+96 P.L. 100813° RT.	12002+43 PT OF CURVATURE				
11991+55 P.L. 121310° RT.					



ENVIRONMENTAL MITIGATION/RECLAMATION

TOPSOIL SALVAGE METHOD	
STREAMS	
WETLANDS	
TIMING CONSTRAINTS	
MILEPOST	
MONITORING	
RECLAMATION	
SPECIAL CONSIDERATIONS	

TO BE DETERMINED

- LEGEND**
- POINT OF INTERSECTION (P.I.)
 - ENTRY OR EXIT POINT
 - ⊕ GEOTECHNICAL BOREHOLE
 - ⊕ POWERPOLE
 - MLP
 - MAINLINE PIPE
 - PIPELINE
 - FOREIGN PIPELINE
 - EDGE OF WATER
 - PRIVATE ACCESS SHOULDER ROAD
 - COUNTY BOUNDARY
 - WATER LEVEL
 - ▽ USACOE CONSTRUCTION REFERENCE POINT
 - WETLANDS
 - PERMANENT EASEMENT
 - TEMPORARY EASEMENT
 - EXTRA WORKSPACE

REFERENCE DRAWINGS

DRAWING No	TITLE
11042 HDD XREF_15	11042 HDD XREF_15.dwg
TC_UD_BR_UFI	TC_UD_BR_UFI.dwg
NOTES-LEGEND	NOTES-LEGEND.dwg

REVISION

REV No	DATE	DESCRIPTION	PROJECT CODE	DRAFTER	DRAFTING CHECKER	DESIGNER	DESIGN CHECKER	PROJECT MANAGER	COMPANY
2	07.06.09	ISSUED FOR SUPPLEMENTAL U.S. DEPT. OF STATE FILING (2.19.09 CL)	11042	UEI	UEI	BM	JW	JH	UEI
1	03.19.09	ISSUED FOR TROW REVIEW	11042	UEI	UEI	DW	JW	JH	UEI
0	11.19.08	ISSUED FOR UNITED STATES DEPARTMENT OF STATE (7.31.08 CL)	11042	UEI	UEI	RB	JW	JH	UEI

APPROVAL

PROFESSIONAL ENGINEER/RPT	PERMIT/ ENG. APPROVAL

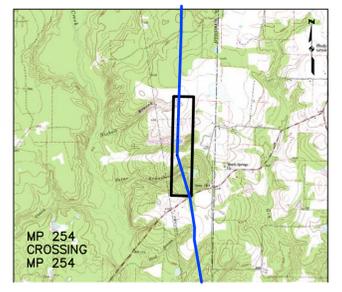
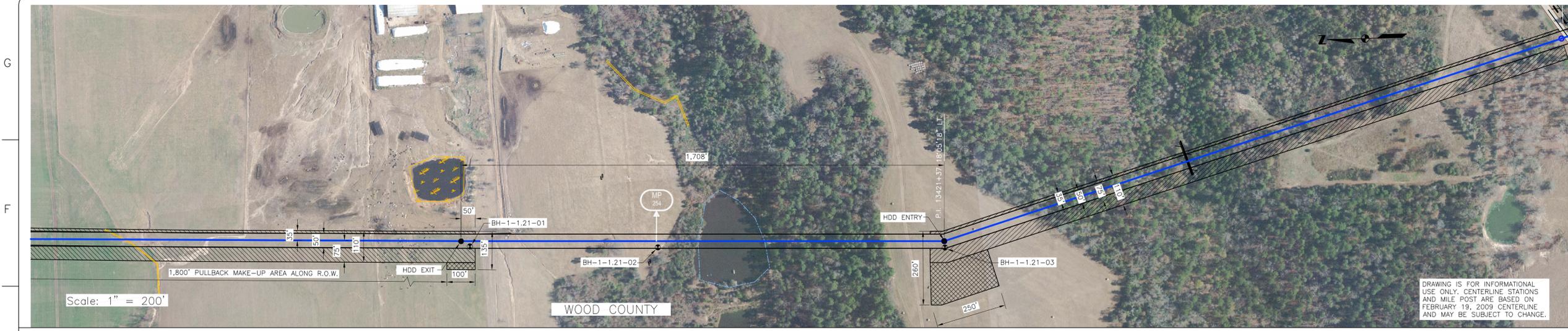
UNIVERSAL ENSCO, INC. **ConocoPhillips** **TransCanada**

FIA # 4382 CHAINAGE: 227.5 DISCIPLINE # 03

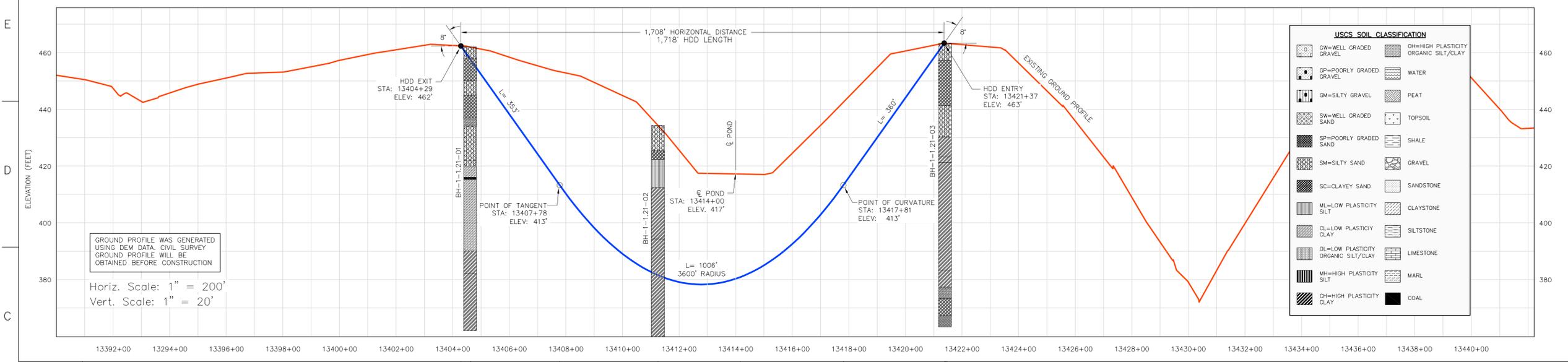
BIG CYPRESS CREEK HDD INSTALLATION
KEYSTONE XL PROJECT
FRANKLIN COUNTY, TEXAS

SCALE AS SHOWN DRAWING No 4382-03-ML-03-003 REV 2

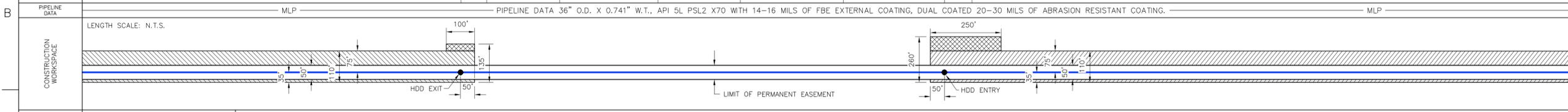
PRELIMINARY



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CROSSING INFORMATION (ESTIMATED SHOWN)	13404+29 HDD EXIT	13404+61 BH-1-1.21-01	13407+78 PT OF TANGENT	13411+25 BH-1-1.21-02	13414+00 POND	13417+81 PT OF CURVATURE	13421+37 HDD ENTRY	13421+40 BH-1-1.21-03
	PIPELINE DATA 36" O.D. X 0.741" W.T., API 5L PSL2 X70 WITH 14-16 MILS OF FBE EXTERNAL COATING, DUAL COATED 20-30 MILS OF ABRASION RESISTANT COATING.							



ENVIRONMENTAL MITIGATION/RECLAMATION	TOPSOIL SALVAGE METHOD	
	STREAMS	
	WETLANDS	
	TIMING CONSTRAINTS	
	MILEPOST	
	MONITORING	
RECLAMATION		
SPECIAL CONSIDERATIONS		

TO BE DETERMINED

REFERENCE DRAWINGS	
DRAWING No	TITLE
11042 HDD XREF_15	11042 HDD XREF-15.dwg
TC_UD_BR_UI	TC_UD_BR_UI.dwg
NOTES-LEGEND	NOTES-LEGEND.dwg

REVISION				APPROVAL						
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PROFESSIONAL ENGINEER/RPT	PERMIT/ ENG. APPROVAL
	DATE
PRELIMINARY	
REV. NO.	DATE
	PERMIT NUMBER:

FIA # 4383 CHAINAGE: M.P. 254 DISCIPLINE # 03

MP254 HDD INSTALLATION
KEYSTONE XL PROJECT
WOOD COUNTY, TEXAS

SCALE AS SHOWN DRAWING No 4383-03-ML-03-001 REV 2