



- DESIGN AND CONSTRUCTION:

 1. CONTRACTOR SHALL FIELD VERIFY DEPTH OF ALL EXITING UTILITIES SHOWN OR NOT SHOWN ON THIS DRAWING.

 2. THE MINIMUM SEPARATION DISTANCE FROM EXISTING SUBSURFACE UTILITIES SHALL NOT BE LESS THAN 10 FEET AS MEASURED FROM THE OUTSIDE EDGE OF THE UTILITY TO OUTSIDE OF PROPOSED PIPELINE.

 3. DESIGNED IN ACCORDANCE WITH CFR 49 195 & ASME B31.4

 4. CROSSING PIPE SPECIFICATION:
 HDD HORZ LENGTH (L=):5150'
 HDD PIPE LENGTH (S=):5180'
 20'Y 0.456'W IT. ASS APISI PSI 2 FRW REW
- - 20" x 0.456" W.T., X-65, API5L, PSL2, ERW, BFW

- 5. INTERNAL DESIGN PRESSURE 1480 PSIG (SEAM FACTOR 1.0, DESIGH FACTOR 0.50).
 6. INSTALLATION METHOD: HORIZONTAL DIRECTIONAL DRILL (HDD).
 7. PIPELINE WARNING MARKERS SHALL BE INSTALLED ON BOTH SIDES OF ALL ROAD, RAILWAY, AND STREAM CROSSINGS.
 8. CARRIER PIPE NOT ENCASED.
 9. PIPE / AMBIENT TEMPERATURE MUST BE NO LESS THAN 30°F DURING PULLBACK WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
 10. CONDUCT 4-HOUR PRE-INSTALLATION HYDROTEST OF HDD PIPE STRING TO MINIMUM 1850 PSIG.
 11. SEE SUNOCO PENNSYLVANIA PIPELINE PROJECT ESRI WEBMAP FOR ACCESS ROAD ALIGNMENT.

- SUNOCO PIPELINE, L.P.'S HORIZONTAL DIRECTIONAL DRILL INADVERTENT RETURN CONTINGENCY PLAN WILL BE IMPLEMENTED AT ALL TIMES.
 SUNOCO PIPELINE, L.P.'S EROSION AND SEDIMENTATION CONTROL PLAN WILL BE IMPLEMENTED AT ALL TIMES.

L		COATING: 14-16 MILS FBE WITH 30-35 MIL ARO (POWERCRETE R95)													
	NOTES	REF. DRAWING				REVISIONS									
	2. STATIONING IS BASED ON HORIZONTAL DISTANCES.	ES-6.26	то	ES-6.29	EROSION & SEDIMENT PLAN										
		SHEET 17	то	SHEET 19	AERIAL SITE PLAN	EP1	REVISED PER PADEP COMMENTS	MRS	05/18/16	RMB	05/18/16	AAW	05/18/16		
			\Box			EP		MRS	03/23/16	RMB	03/23/16	AAW	03/23/16		
			\Box			С	ISSUED FOR BID	DLM	07/31/15	RMB	07/31/15	AAW	07/31/15		
			\Box			В	ISSUED FOR BID	DLM	08/21/15	RMB	08/21/15	AAW	08/21/15		
			\Box			Α	ISSUED FOR REVIEW	JAM	03/24/15	RMB	03/24/15	AAW	03/24/15		
	1	DWG NO		DWG NO	DESCRIPTION	NO.	DESCRIPTION	BY	DATE	CHK	DATE	APP	DATE		



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20-INCH HORIZONTAL DIRECTIONAL DRILL CHESTER CREEK PENNSYLVANIA PIPELINE PROJECT

SUNOCO PIPELINE, L.P.

DWG. NO: PA-DE-0104.0008-WXa