



- DESIGN AND CONSTRUCTION:

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

  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
  DEPT. ME.
- PIPELINE.
  3. DESIGNED IN ACCORDANCE WITH CFR 49 195 & ASME B31.4
  4. CROSSING PIPE SPECIFICATION:
  HOD HORZ. LENGTH (L=): 1230'
  HOD PIPE LENGTH (S=): 1245'
  16" × 0.438" WT. X-70, APISL, PSL2, ERW, BFW
  COATING: 14-16 MILS FBE WITH 30-35 MIL ARO (POWERCRETE R95)

- INTERNAL DESIGN PRESSURE 1480 PSIG (SEAM FACTOR 1.0, DESIGH FACTOR 0.50). INSTALLATION METHOD: HORIZONTAL DIRECTIONAL DRILL (HDD).
- PIPELINE WARNING MARKERS SHALL BE INSTALLED ON BOTH SIDES OF ALL ROAD, RAILWAY, AND STREAM CROSSINGS.
- STREAM CAYOSINGS.

  CARRIER PIPE NOT ENCASED.

  PIPE / AMBIENT TEMPERATURE MUST BE NO LESS THAN 30°F DURING PULLBACK WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.

  CONDUCT 4-HOUR PRE-INSTALLATION HYDROTEST OF HDD PIPE STRING TO MINIMUM 1850 PSIG.

  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.

NOTES	REF. DRAWING				REVISIONS							
2. STATIONING IS BASED ON HORIZONTAL DISTANCES.	ES-4.48	TO ES-4.	.50	EROSION & SEDIMENT PLAN								
	SHEET 30	TO SHEE	ET 31	AERIAL SITE PLAN								
					EP		MRS	10/07/16	RMB	10/07/16	AAW 1	0/07/16
					0	ISSUED FOR CONSTRUCTION	MRS	09/19/16	RMB	09/19/16	AAW 0	9/19/16
	DWG NO	DV	WG NO	DESCRIPTION	NO.	DESCRIPTION	BY	DATE	CHK	DATE	APP	DATE



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SUNOCO PIPELINE, L.P.

16-INCH HORIZONTAL DIRECTIONAL DRILL CONODOGUINET CREEK PENNSYLVANIA PIPELINE PROJECT

DWG. NO: PA-CU-0125.0001-WX-16 SCALE: 1"=200'