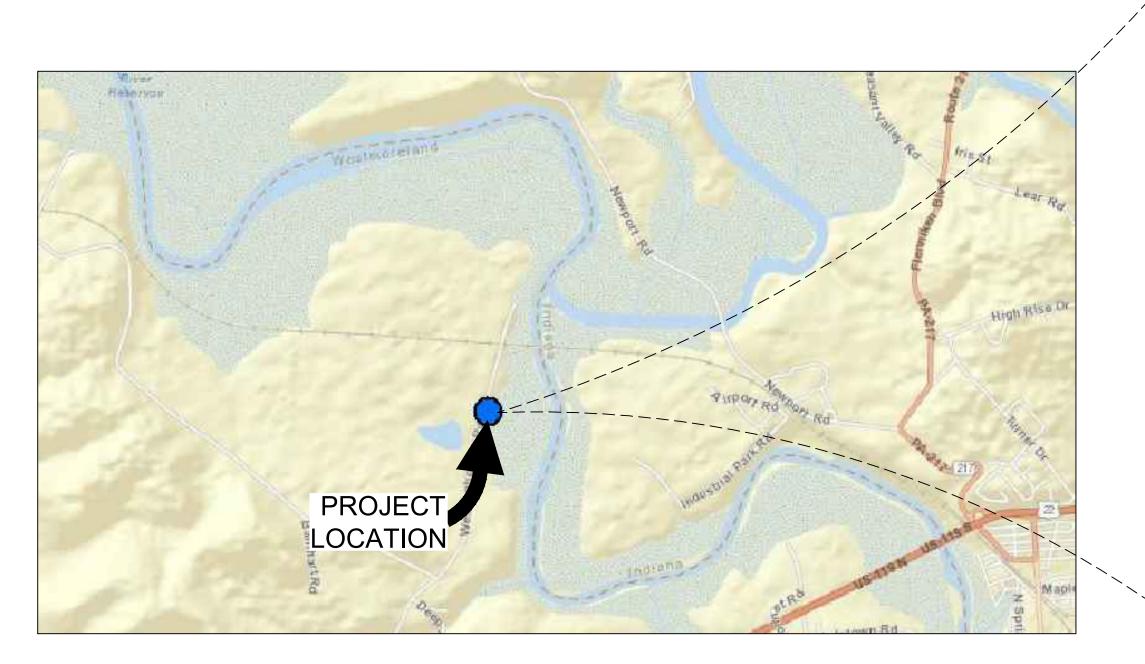
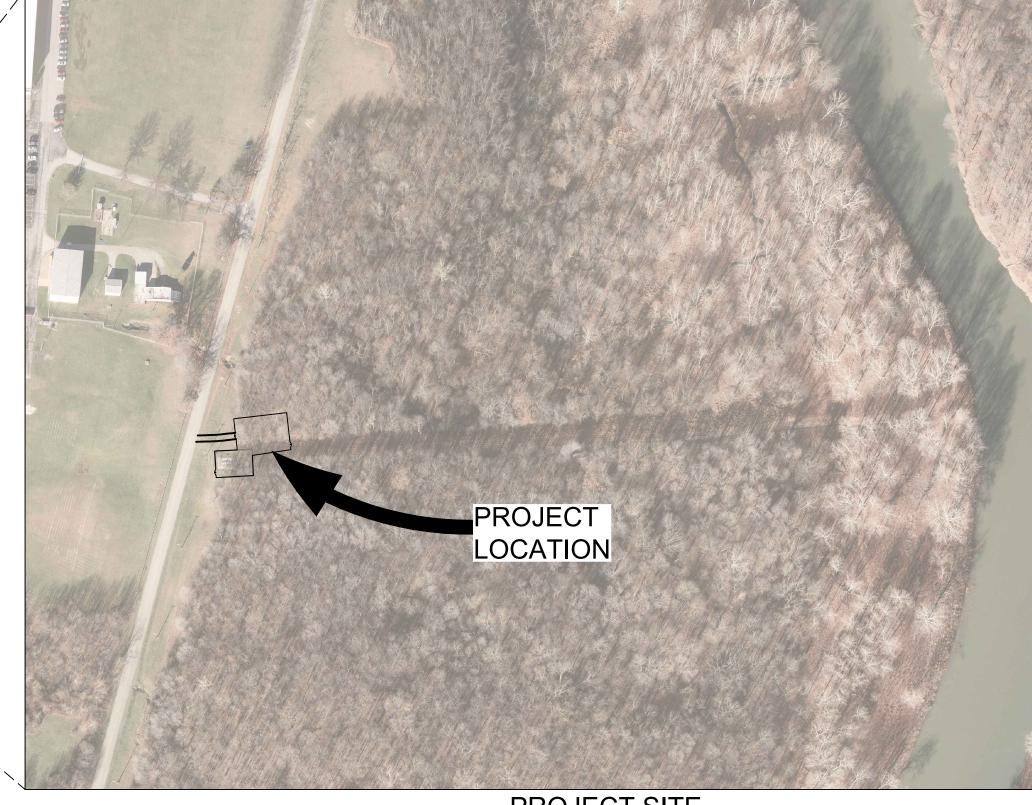
SUNOCO - BLOCK VALVE WESTINGHOUSE ROAD EFRD





DRAWING LIST							
SHEET NO	TITLE	REV	DATE				
E_ WSTN_M000100	MECHANICAL COVER SHEET	0	07/22/16				
E_ WSTN_M000200	MECHANICAL GENERAL NOTES & LEGEND	0	07/22/16				
E_ WSTN_M040100	MECHANICAL SITE PLAN	0	07/22/16				
E_ WSTN_M050100	MECHANICAL PIPING PLAN & SECTIONS	0	07/22/16				
E_ WSTN_M060700	MECHANICAL PIPING DETAIL - PIG SIG	0	07/22/16				
E_ WSTN_M060810	MECHANICAL PIPING DETAIL - PIT	0	07/22/16				
E_ WSTN_M061010	MECHANICAL PIPING DETAIL - 3/4" 900# VENT	0	07/22/16				

SCALE: N.T.S.

PROJECT SITE

OWNER:

SUNOCO LOGISTICS PARTNERS L.P. PHILADELPHIA, PA 215-365-6501

ENGINEER:

TETRA TECH ROONEY 115 INVERNESS DRIVE EAST, SUITE 300 ENGLEWOOD, CO 80112 303-792-5911

SURVEYOR: TRICO SURVEYING & MAPPING, INC 441 W. GOUDER PIKE BLOOMINGTON, IN 47404 812-330-7030



TETRA TECH ROONEY (303) 792-5911

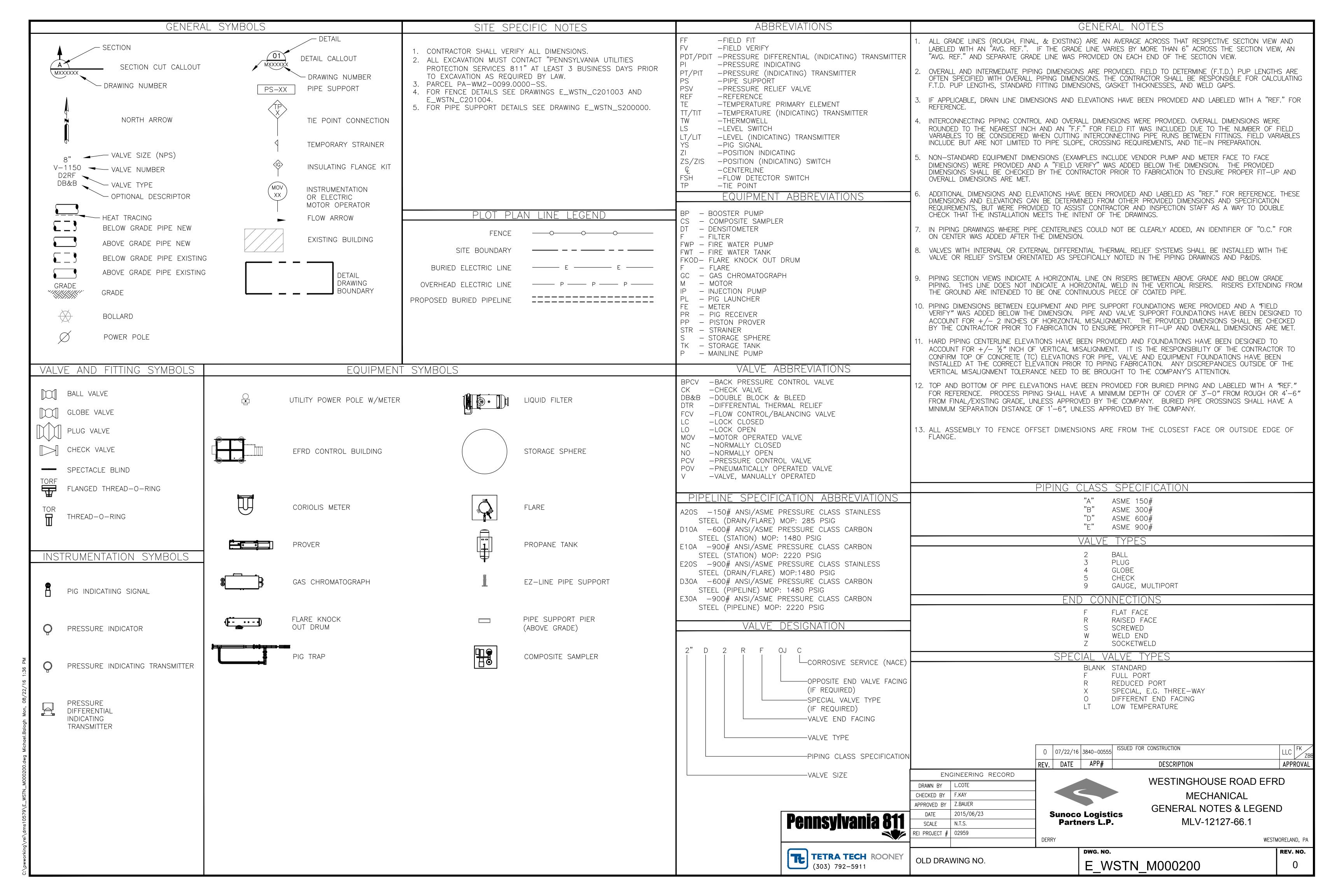
OLD DRAWING NO.

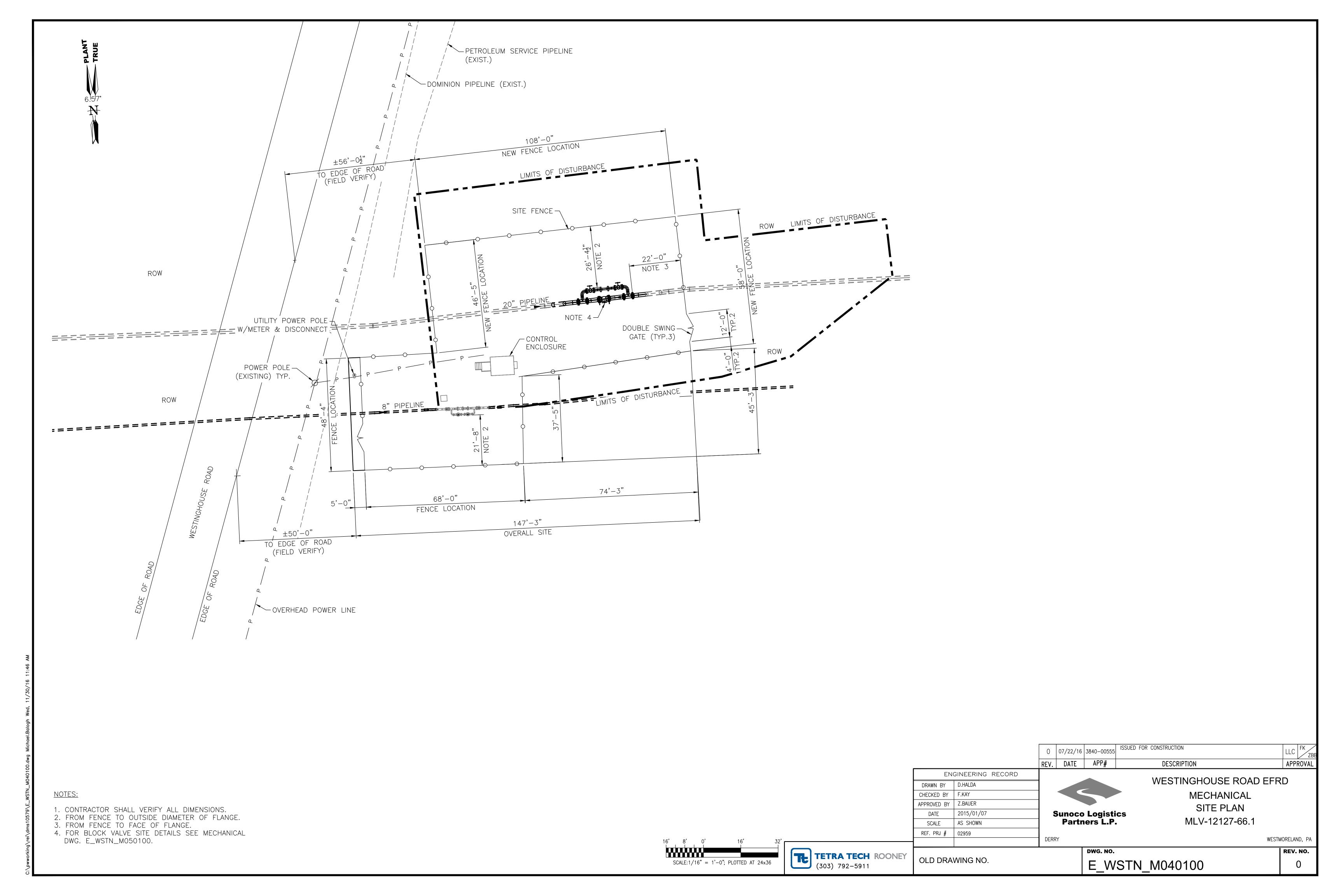
REI PROJECT # 02959

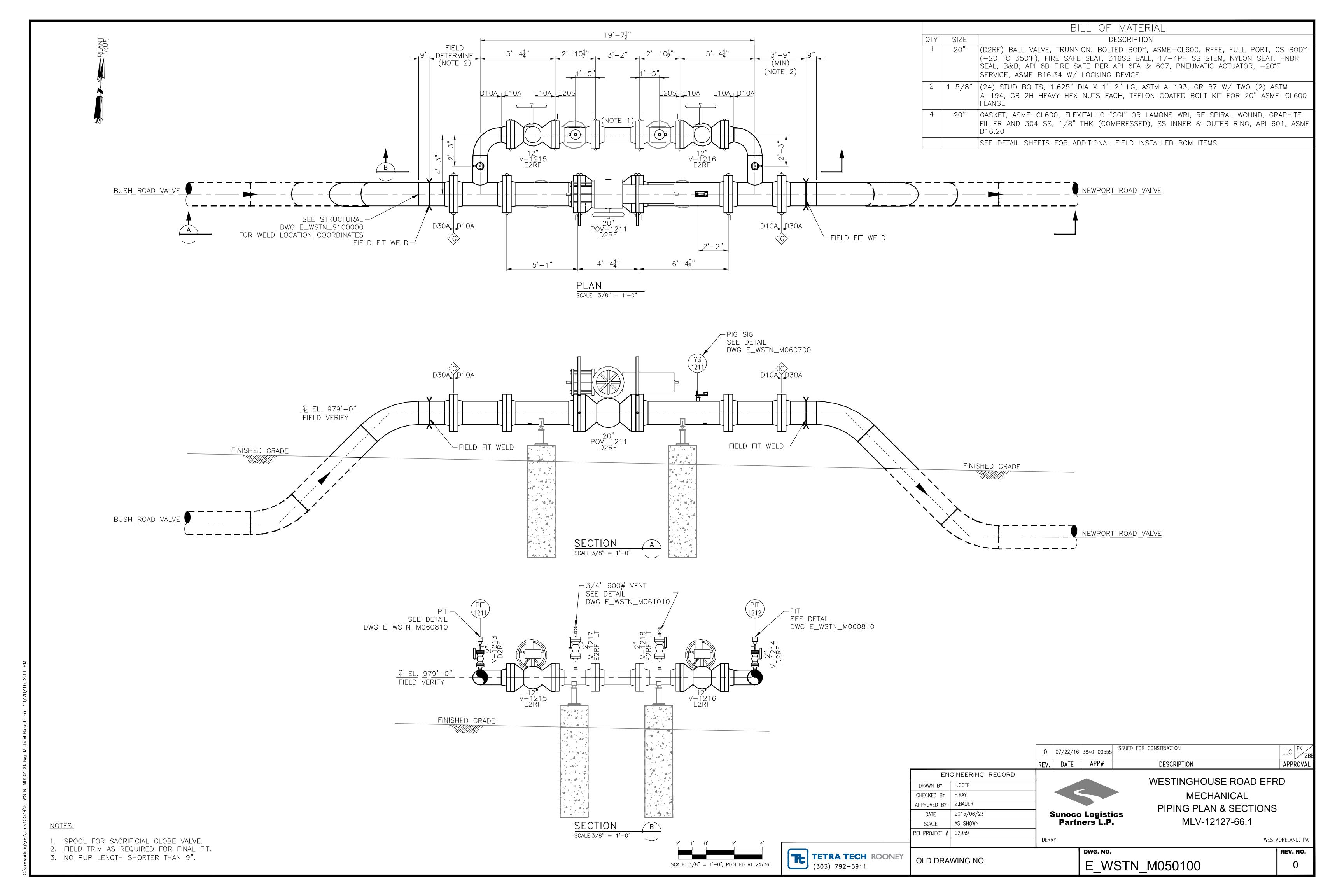
WESTMORELAND, PA E_WSTN_M000100

APPROVAL

REV. NO.



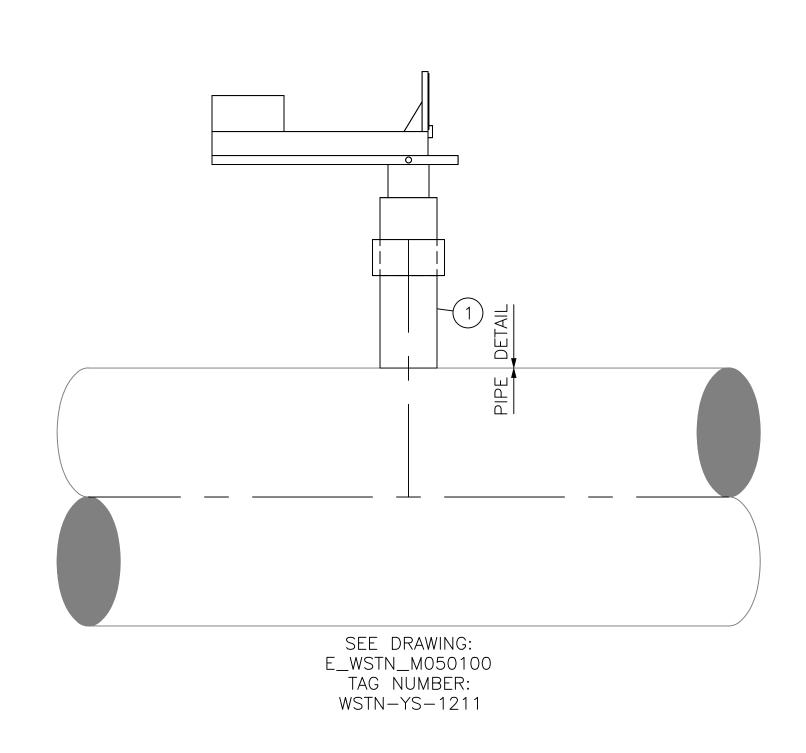




BILL OF MATERIAL

MARK QTY SIZE DESCRIPTION LENGTH

1 1 2" T.O.R. FITTING FOR PIG SIGNAL, TDW ELECTRICAL W/ FLAG, PT# 04-9548-2000-51



0 07/22/16 3840-00555 ISSUED FOR CONSTRUCTION LLC FK ZBE APPROVAL REV. DATE APP# DESCRIPTION ENGINEERING RECORD WESTINGHOUSE ROAD EFRD DRAWN BY T.ELY CHECKED BY F.KAY MECHANICAL APPROVED BY Z.BAUER PIPING DETAIL - PIG SIG Sunoco Logistics Partners L.P. 2015/10/02 MLV-12127-66.1 SCALE N.T.S. REI PROJECT # 02959 WESTMORELAND, PA DERRY

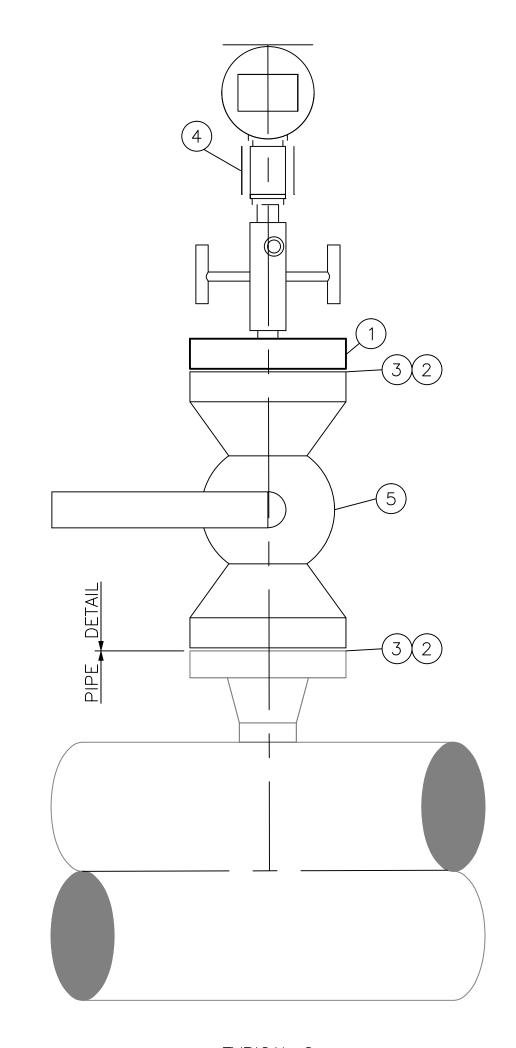
REV. NO.

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TETRA TECH ROONEY (303) 792–5911

OLD DRAWING NO.

E_WSTN_M060700



TYPICAL 2
SEE DRAWING:
E_WSTN_M050100
TAG NUMBERS:
WSTN-PIT-1211, WSTN-V-1213
WSTN-PIT-1212, WSTN-V-1214

BILL OF MATERIAL					
MARK	QTY	SIZE	DESCRIPTION	LENGTH	
1	1 1 2" FLANGE, BLIND, ASME-CL600, RF, CS, ASTM A105, W/ 1/2" FNPT TAP				
2	2	5/8"	(8) STUD BOLTS, 0.625" DIA X 4 3/4" LG, ASTM A193, GR B7 W/ TWO (2) ASTM A194, GR 2H HEAVY HEX NUTS EACH, TEFLON COATED, FOR 2" ASME-CL600 FLANGE	4 3/4"	
3	2	2"	GASKET, ASME-CL600, FLEXITALLIC "CGI" OR LAMONS WRI, RF SPIRAL WOUND, GRAPHITE FILLER AND 304SS, 1/8" THK (COMPRESSED), SS INNER AND OUTER RING, API 601, ASME B16.20		
4	1	1/2"	PIT, ROSEMOUNT MODEL 3051T-G-4-A-2B-2-1-A-S5-K5-Q4-M5-T1 WITH MANIFOLD VALVE MODEL 0306RT 22AA11		
5	1	2"	(D2RF) BALL VALVE, FLOATING, BOLTED BODY, ASME—CL600, RFFE, FP, CS BODY (—20°F TO 200°F), FIRE SAFE SEAT, 316SS BALL AND 17—4 PH SS STEM, NYLON SEAT, HNBR SEAL, B&B, API 6D FIRE SAFE PER API 6FA AND 607, LEVER OP	11 1/2"	

0 07/22/16 3840-00555 ISSUED FOR CONSTRUCTION LLC FK ZBE APPROVAL REV. DATE APP# DESCRIPTION ENGINEERING RECORD WESTINGHOUSE ROAD EFRD DRAWN BY T.ELY CHECKED BY F.KAY MECHANICAL

APPROVED BY Z.BAUER 2015/09/27 SCALE N.T.S. REI PROJECT # 02959

Sunoco Logistics Partners L.P.

PIPING DETAIL - PIT MLV-12127-66.1

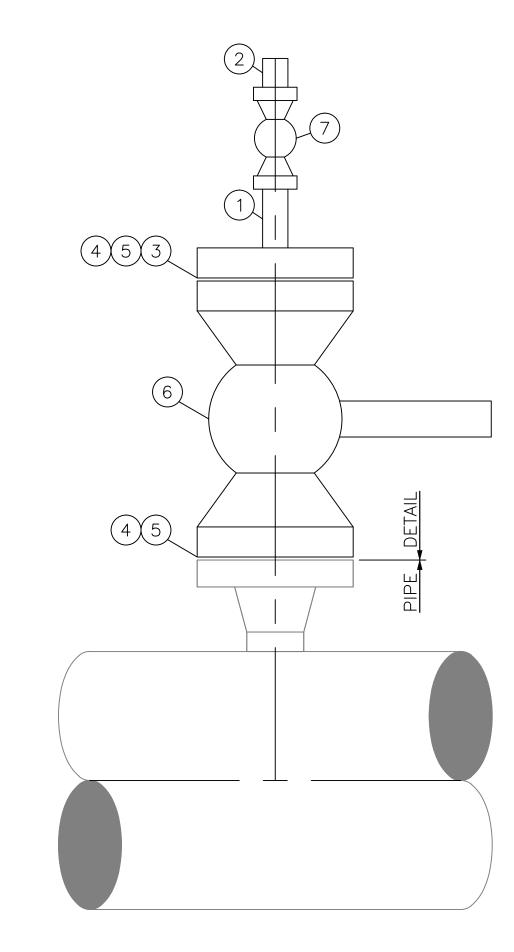
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WESTMORELAND, PA REV. NO.



OLD DRAWING NO.

E_WSTN_M060810



TYPICAL 2
SEE DRAWING:
E_WSTN_M050100
TAG NUMBERS:
WSTN-V-1217
WSTN-V-1218

				BILL OF MATERIAL			
	MARK	QTY	SIZE	DESCRIPTION	LENGTH		
	1	1	3/4"	NIPPLE, 3/4" X 3" LG, SCH 80S, SS, ASTM A312 TP 316/316L TBE	3"		
	2	1	3/4"	PLUG, HEX HEAD, MNPT, ASME-CL6000, SS, ASTM A182 GR 316/316L			
	3	1	2"	FLANGE, BLIND, ASME-CL900, RF, SS, ASTM A182 GR 316/316L, W/ 3/4" FNPT TAP			
	4	2	7/8"	(8) STUD BOLTS, 0.875" DIA X 6 1/4" LG, ASTM A320, GR L7 W/ TWO (2) ASTM A194, GR 4 HEAVY HEX NUTS EACH, TEFLON COATED, FOR 2" ASME—CL900 FLANGE	6 1/4"		
	5	2	2"	GASKET, ASME-CL900, FLEXITALLIC "CGI" OR LAMONS WRI, RF SPIRAL WOUND, GRAPHITE FILLER AND 304SS, 1/8" THK (COMPRESSED), SS INNER AND OUTER RING, API 601, ASME B16.20			
	6	1	2"	(E2RF-LT) BALL VALVE, FLOATING, ASME-CL900, RFFE, FP, 316SS BODY, 316SS BALL AND STEM, KEL-F SEATS, GRAFOIL SEALS, SUITABLE FOR -100°F SERVICE, ASME B16.34, W/ LOCKING DEVICE, FIRESAFE PER API 607, TESTED TO API 598, LEVER OP	1'-2 1/2"		
	7	1	3/4"	(E2SF-LT) BALL VALVE, FLOATING, 2- OR 3-PIECE THRD BODY, 3000 WOG, FNPT, FP OR RP, 316SS BODY, SS BALL AND STEM, PEEK SEATS, TEFLON SEALS, SUITABLE FOR -100°F SERVICE, ASME B16.34, W/ LOCKING DEVICE, FIRESAFE PER API 607, TESTED TO API 598, LEVER OP	3 1/8"		

0 07/22/16 3840-00555 ISSUED FOR CONSTRUCTION

REV. DATE APP# DESCRIPTION APPROVAL

ENGINEERING RECORD

DRAWN BY T.ELY

WESTINGHOUSE ROAD EFRD

DRAWN BY T.ELY

CHECKED BY F.KAY

APPROVED BY Z.BAUER

DATE 2015/09/27

SCALE N.T.S.

REI PROJECT # 02959

DERRY

Sunoco Logistics Partners L.P. MECHANICAL
PIPING DETAIL - 3/4" 900# VENT
MLV-12127-66.1

WESTMORELAND, PA

TETRA TECH ROONEY (303) 792–5911

OLD DRAWING NO.

F WSTN MO

DWG. NO. E_WSTN_M061010REV. NO.

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