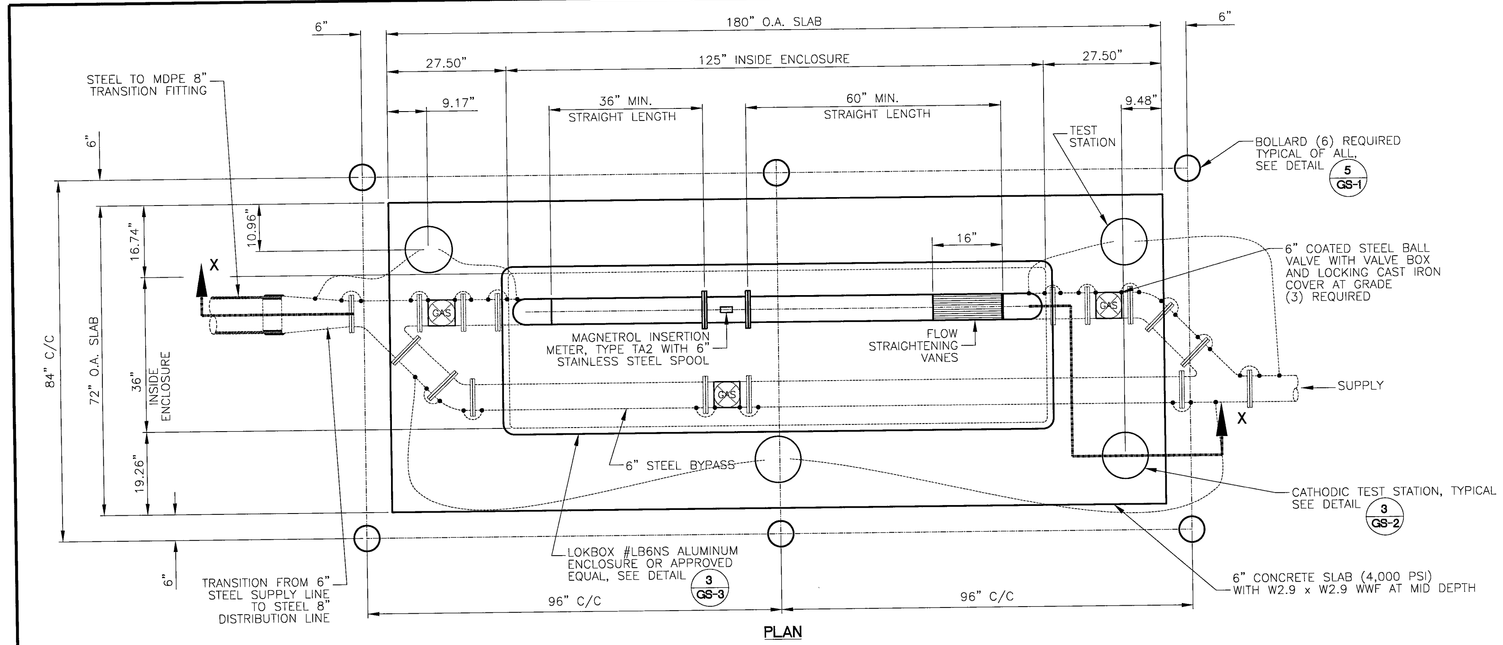
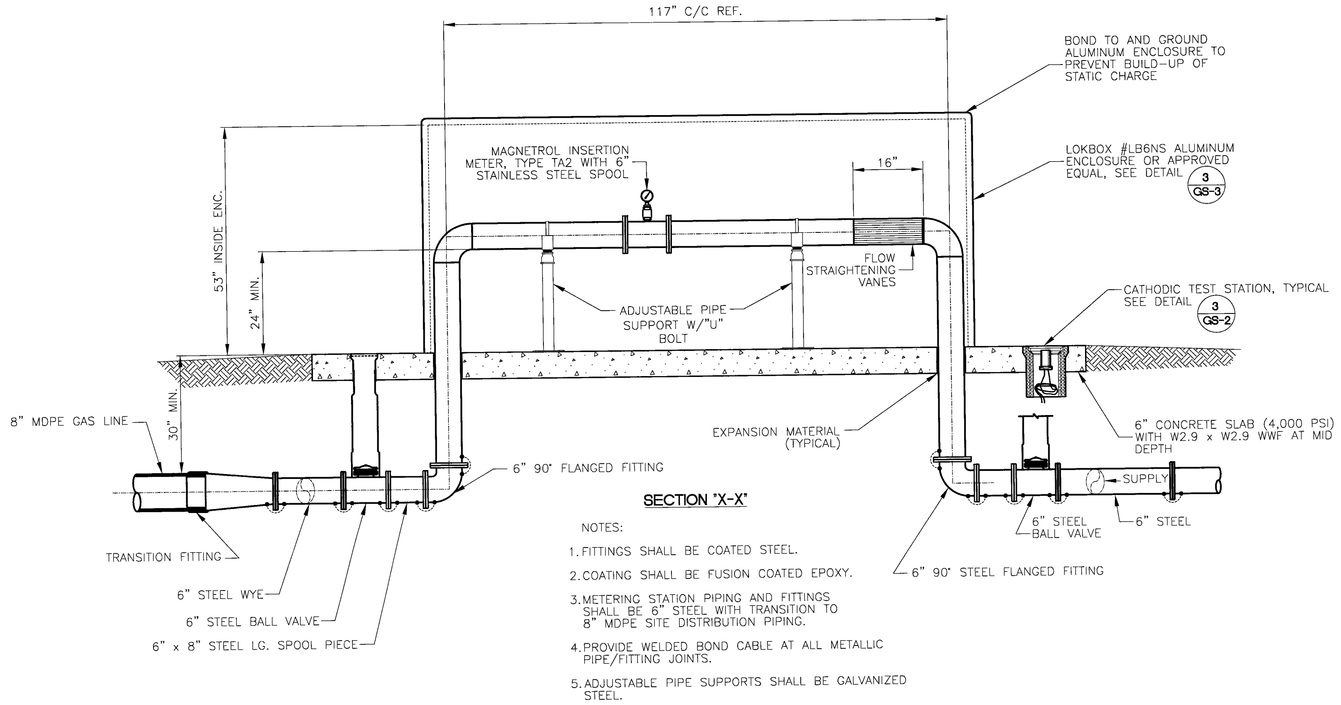


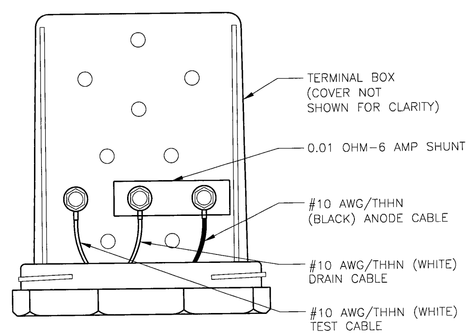
PLAN



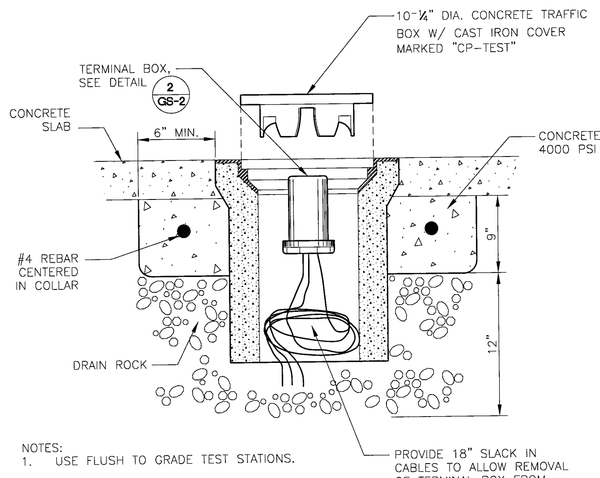
SECTION 'X-X'

NOTES:
1. FITTINGS SHALL BE COATED STEEL.
2. COATING SHALL BE FUSION COATED EPOXY.
3. METERING STATION PIPING AND FITTINGS SHALL BE 6" STEEL WITH TRANSITION TO 8" MDPE SITE DISTRIBUTION PIPING.
4. PROVIDE WELDED BOND CABLE AT ALL METALLIC PIPE/FITTING JOINTS.
5. ADJUSTABLE PIPE SUPPORTS SHALL BE GALVANIZED STEEL.

1 GS-2 MAG METER STATION DETAIL
NTS

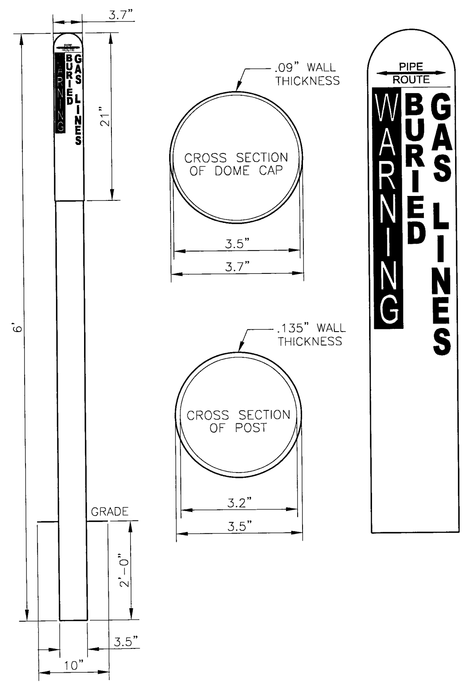


2 GS-2 ATS TERMINAL BOX
NTS

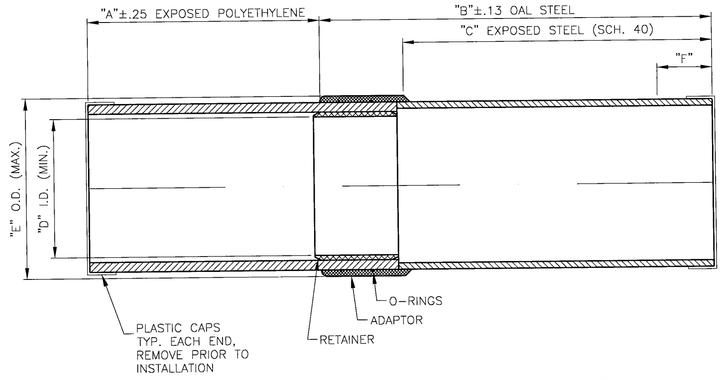


NOTES:
1. USE FLUSH TO GRADE TEST STATIONS.
2. IDENTIFY CABLES WITH NYLON ID LABELS.
3. CONTRACTOR SHALL USE QUALIFIED RESOURCES TO PERFORM SOIL RESISTIVITY TESTS FOR ANODE SIZING BY MANUFACTURER.
4. ANODES SHALL BE A MINIMUM OF THREE (3) LINEAR FEET FROM THE PROTECTED FITTING AT 5.0' DEEP.
5. WIRING IS FOR INFORMATION ONLY. FINAL WIRING SCHEMATIC SHALL BE SUBMITTED TO COTR FOR APPROVAL.

3 GS-2 FLUSH GRADE TEST STATION
NTS



6 GS-2 DOME UTILITY POST MARKER
NTS

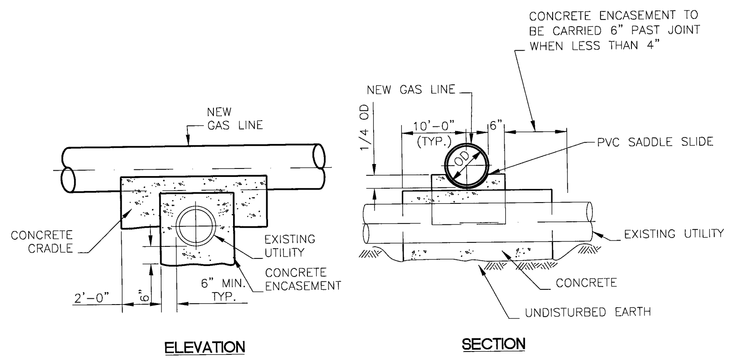


TRANSITION FITTING DIMENSION SCHEDULE

NOMINAL SIZE STEEL x PLASTIC	DIMENSION "A" EXPOSED PLASTIC	DIMENSION "B" OAL STEEL	DIMENSION "C" EXPOSED STEEL	DIAMETER "D" RETAINER	DIAMETER "E" EPOXY COATED	DIMENSION "F" BLOCK BACK
8" x 8" IPS (SDR 11)	24.44"	22.88"	15.31"	6.482"	9.590"	2.0"

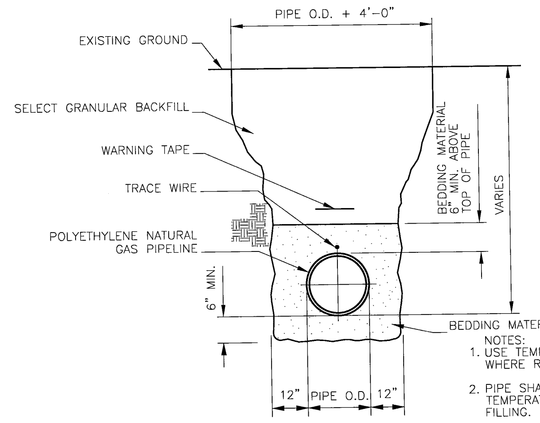
NOTE:
ALL POLY TO STEEL PIPE FITTINGS SHALL INCLUDE STAINLESS STEEL PIPE STIFFENERS.

4 GS-2 MDPE/METALLIC PIPE TRANSITION DETAIL
NTS



(WHERE LESS THAN 18" OF VERTICAL SEPARATION)

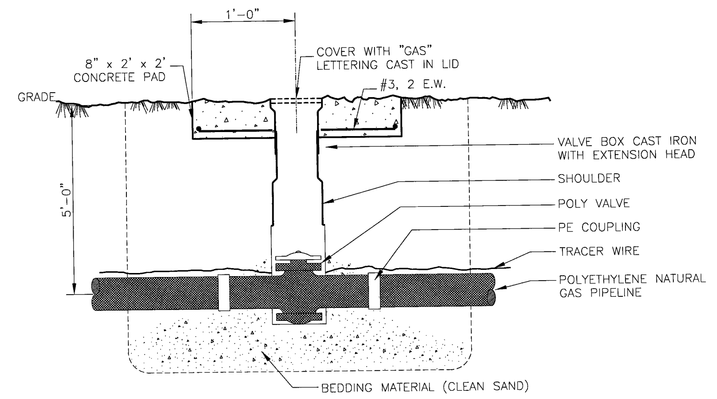
5 GS-2 UTILITY CROSSING DETAIL - TYPE 2
NTS



NOTES:
1. USE TEMPORARY SHEETING/TRENCH BOX WHERE REQUIRED.
2. PIPE SHALL BE ALLOWED TO COOL TO SOIL TEMPERATURE BEFORE BACK FILLING.
3. PIPE SHALL BE LAID LOOSELY SERPENTINE IN TRENCH WITH NO TENSION.
4. CONTRACTOR SHALL BE AWARE THAT NO GEOTECHNICAL INFORMATION IS AVAILABLE. ROCK IS NOT EXPECTED, HOWEVER, THE CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SUCH AND SHALL BE THOROUGHLY FAMILIAR WITH SUBSURFACE CONDITIONS.

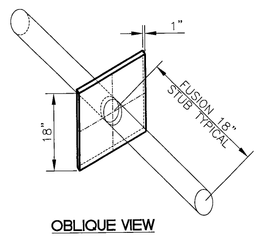
⚠5. PROPOSED GAS MAIN SHALL BE CONSTRUCTED NO CLOSER THAN 4' WALL TO WALL FROM EXISTING GAS MAIN.

8 GS-2 TYPICAL TRENCH DETAIL
NTS

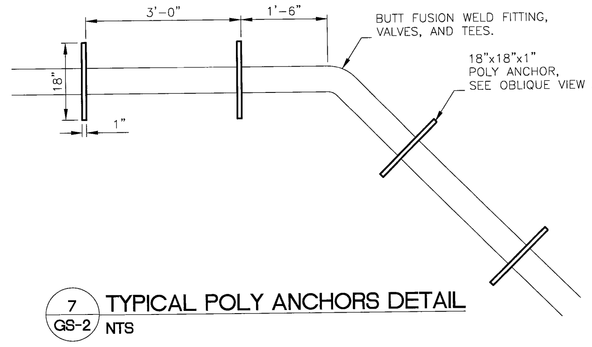


NOTES:
1. UTILITY POST MARKER TO BE PLACED WITHIN TWO LINEAR FOOT OF VALVE ASSEMBLY, SEE DETAIL 6 GS-2
2. VALVES SHALL BE NORDSTROM POLY-GLASS OR APPROVED EQUAL.

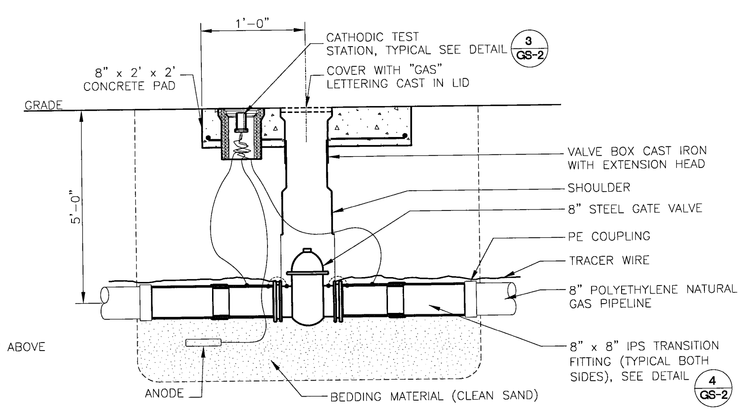
9 GS-2 TYPICAL UNDERGROUND POLYETHYLENE ISOLATION, FULL PORT VALVE ASSEMBLY
NTS



OBLIQUE VIEW



7 GS-2 TYPICAL POLY ANCHORS DETAIL
NTS



NOTES:
1. UTILITY POST MARKER TO BE PLACED WITHIN TWO LINEAR FOOT OF VALVE ASSEMBLY, SEE DETAIL 6 GS-2
2. VALVES SHALL BE STEEL GATE VALVES WITH STAINLESS STEEL NUTS AND BOLTS.

10 GS-2 TYPICAL UNDERGROUND STEEL ISOLATION, FULL PORT VALVE ASSEMBLY
NTS

ADDENDUM NO. 1	07/12/12	
Revisions	Date	

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Drawing Title: NATURAL GAS DISTRIBUTION DETAILS

Approved Project Director

Project Title: REPLACE BUILDING EXTERIOR GAS LINES

Location: BUTLER VAMC

Date: 03-07-2012 | Checked: MEW | Drawn: EHA/JLE

Project Number: 529-11-109

Building Number: N/A

Drawing Number: GS-2 Dwg. 14 of 48

Office of Construction and Facilities Management

Department of Veterans Affairs

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