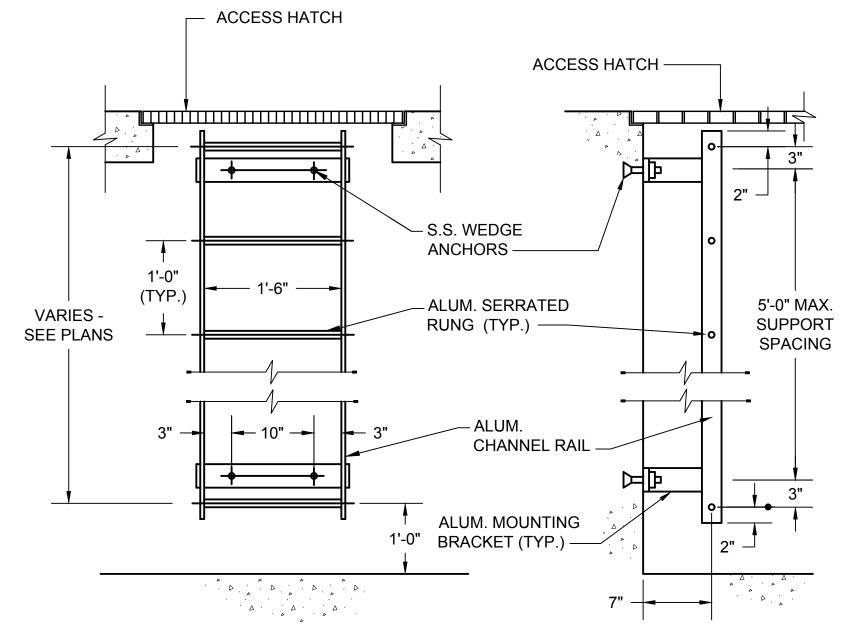


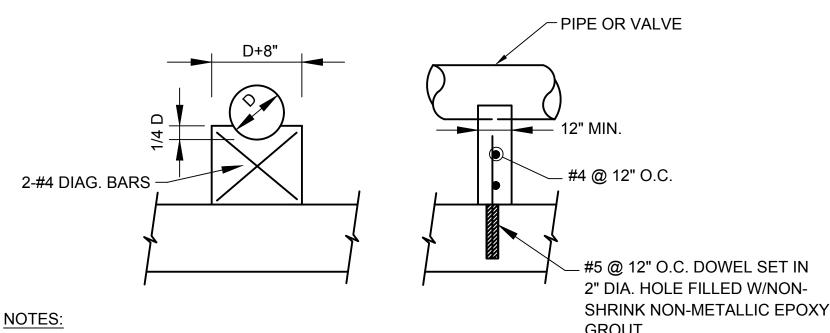
DETAIL - TRAFFIC CONTROL PLAN NOT TO SCALE

NOTE: TRAFFIC CONTROL PLANS ARE GUIDELINES ONLY. ALL TRAFFIC CONTROL PLANS AND LANE CLOSURES MUST BE APPROVED BY THE OWNER AND ENGINEER.



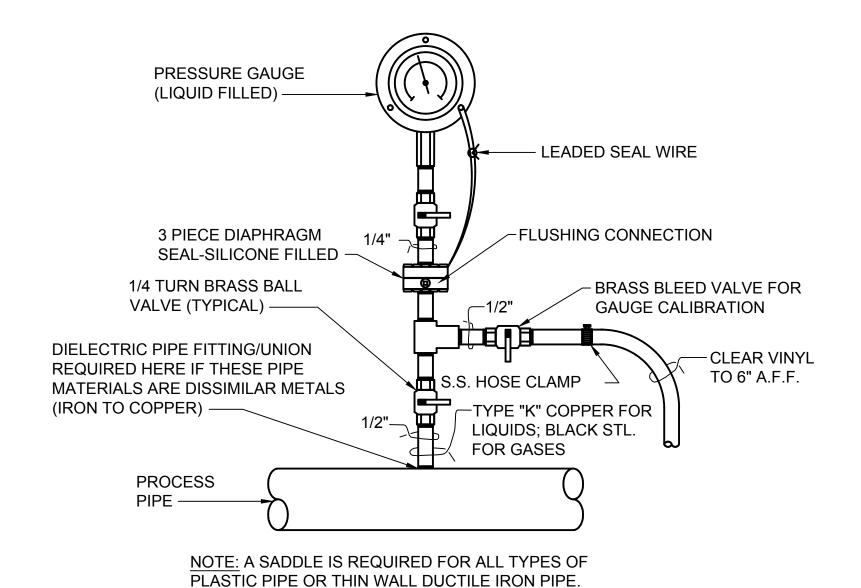
NOTE: LADDER SHALL BE SUPPLIED WITH ALUM. LADDER SAFETY EXTENSION

DETAIL - ACCESS LADDER NOT TO SCALE

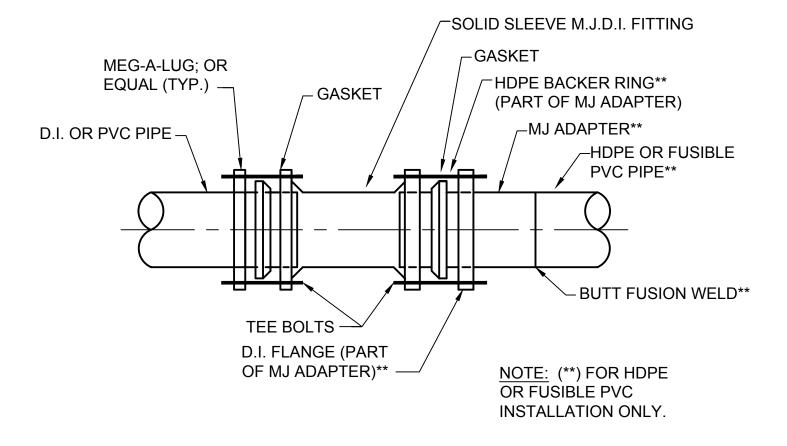


- 1. FOR VALVES AND FITTINGS, SUPPORT WIDTH BASED ON SIZE OF ITEM BEING SUPPORTED AS APPROVED BY THE ENGINEER. FOR WIDTHS GREATER THAN 12" PROVIDE TWO ROWS OF REINFORCING STEEL.
- 2. COAT PIPE/VALVE WITH BOND BREAKER WHERE IT COMES IN CONTACT WITH CONCRETE

DETAIL - VALVE & PIPE SUPPORT



DETAIL - PRESSURE GAUGE NOT TO SCALE



DETAIL - RESTRAINED PIPE TRANSITION COUPLING

LENGTH IN FT. TO BE RESTRAINED ON EACH SIDE OF FITTING FOR 6" PVC PIPE					
TYPE OF BEND	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	DEADENDS
HORIZ. BEND	12	5	3	2	34
		14	7	4	
VERT. BEND		UPPER	UPPER	UPPER	
		4	2	1	
		LOWER	LOWER	LOWER	

RESTRAINED JOINT NOTES

- CONTRACTOR SHALL INSTALL RJDI FITTINGS FOR ALL VERTICAL AND HORIZONTAL BENDS.
- 2. RESTRAINED LENGTHS WERE CALCULATED ASSUMING A 1.5 FACTOR OF SAFETY, TYPE 5 TRENCH CONDITIONS, "SM" SOIL CLASSIFICATION, 5 FT. MIN. DEPTH OF BURY, AND 150 PSI HYDROSTATIC TEST PRESSURE (SOURCE: EBAA IRON RESTRAINT DESIGN CALCULATION SOFTWARE v.6.0).
- 3. ALL FORCEMAIN APPURTENANCES WITHIN RJDI LIMITS MUST BE RESTRAINED AT EACH JOINT.

RESTRAINED JOINT CALCULATIONS

NOT TO SCALE

10403303

MAIN IMPROVE TE DISTRICT ARD AND FT STATION , CREEK REG STAND,

JAJ

NOVEMBER 2017

N.T.S.

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