



STANDARD DRAWING MATERIALS

ITEM	QTY	SIZE / DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
1	1	DUCTILE IRON PIPE	CLASS 350 PER AWWA/ANSI 151/A21.51	SEE SECTION 4
2	1	DUCTILE IRON 90° BEND M.J. X FLANGE	TYLER UNION CLASS 250 OR APPROVED EQUAL	SEE SECTION 4
3	1	DUCTILE IRON RESTRAINT GLAND	EBAA IRON MEGALUG, FORD UNI-FLANGE SERIES 1400 OR APPROVED EQUAL	SEE SECTION 4
4	1	DUCTILE IRON SPOOL FLANGE X FLANGE LENGTH AS REQUIRED	CLASS 53 DUCTILE IRON PER AWWA/ANSI 151/A21.51	SEE SECTION 4
5	1	DUCTILE IRON 90° BEND FLANGE X FLANGE	TYLER UNION CLASS 250 OR APPROVED EQUAL	SEE SECTION 4
6	6	CONCRETE THRUST BLOCK	2000 PSI PER ASTM C-39 OR READY MIX PER ASTM C-94	SEE SECTION 4.4 AND STANDARD DRAWING W-17
7	1	AIR AND VACUUM RELEASE VALVE ASSEMBLY	1" COMBINATION AIR AND VACUUM RELEASE VALVE ASSEMBLY IF HIGH POINT IS CREATED IN MAIN. TO BE DETERMINED BY THE WATER SUPERINTENDENT	SEE SECTION 4.10.3 AND STANDARD DRAWING W-14

NOTES:

A	ALL BURIED FERROUS SURFACES, PIPES, AND FITTINGS SHALL BE PROTECTED AND POLYETHYLENE ENCASED PER SECTIONS 4.2.3 AND 4.3.3
B	ALL NUTS, BOLTS, AND WASHERS SHALL BE STAINLESS STEEL PER SECTION 4.3.3
C	ALL PIPES AND FITTINGS SHALL BE IDENTIFIED WITH BURIED PIPE WRAP TAPE PER SECTION 4.3.3H
D	ALL BACKFILL SHALL CONSIST OF NATIVE MATERIALS (95% REL. COMPACTION) OR C.A.B. PER STD. DWG. No. S-25 AND PER SECTION 4.8
E	THESE MATERIALS SHALL APPLY TO ALL POTABLE AND RECYCLED WATER SYSTEMS
F	ALL INSTALLATIONS TO CONFORM WITH SECTION 3 AND SECTION 4 AS APPROPRIATE
G	THRUST BLOCK CAN BE INSTALLED ON OPPOSITE END OF ELBOW IF REQUIRED DUE TO LACK OF COVER UPON CITY APPROVAL

PICO WATER DISTRICT

TYPICAL INVERTED SIPHON CONSTRUCTION APP. <u> <i>mjgrajeda</i> </u> MARK J. GRAJEDA GENERAL MANAGER	STANDARD DRAWING NUMBER W-15 DATE: SEPT 2008
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