

INSTALLATION OF DUCTILE IRON WATER MAINS TABLE 3 AWWA C600-05

Maximum Joint Deflection Full Length of Pipe - Push on Type Joint

(Inches)

 Nominal Pipe Size (inches)
 Deflection Angle - 9 (degree)
 Joint Length Length Length Length Length 20-Feet
 Joint Length Length Length 20-Feet
 Joint Length Length Length 20-Feet
 Joint Length Length Length 20-Feet

For 14-inch and larger push-on joints, maximum deflection angle may

INSTALLATION OF DUCTILE IRON WATER MAINS Maximum Joint Deflection Full Length of Pipe - Mechanical Joint Pipe

(Inches)

| Nominal | Deflection | Joint | Joint | Joint | Length |

be larger than shown above. Consult the manufacturer.

Approximate Radius

Succession of Join

Approximate Radius

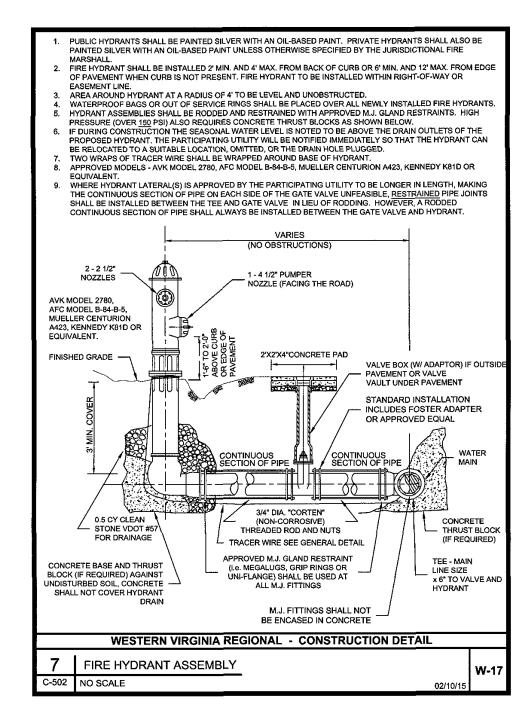
0 = DEFLECTION ANGLE S = JOINT DEFLECTION OFFSE L = LAYING LENGTH R = RADIUS OF CURVE

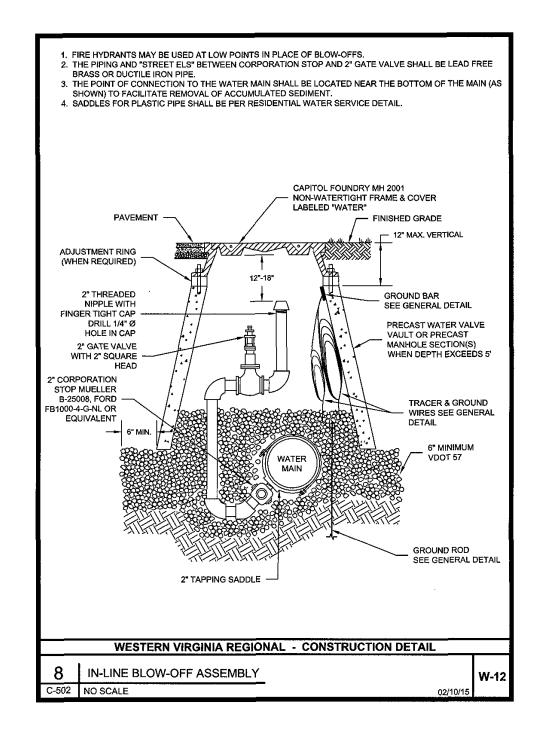
FIGURE 4

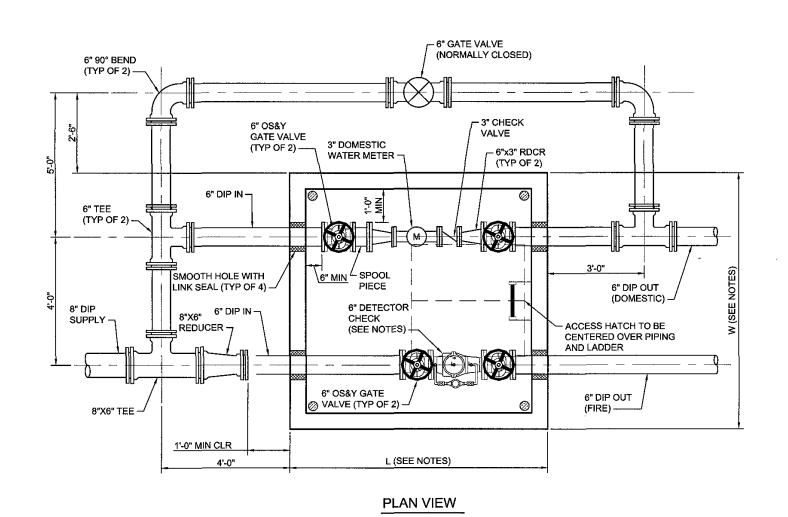
Succession of Joints

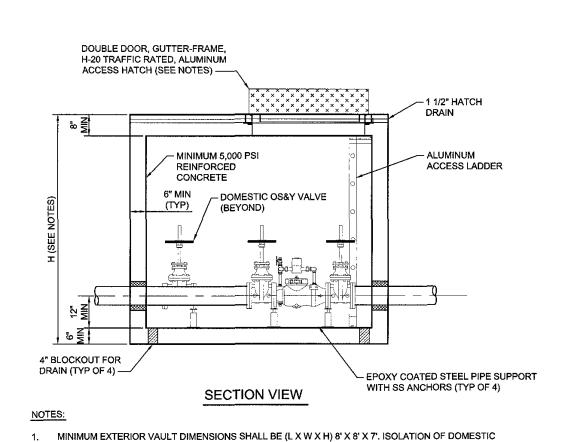
faximum Offset - S\* of Curve - R\* Produced by

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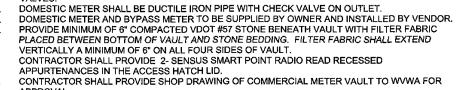








VER 2. PIER	REQUIRED WHEN STORM DRAIN OR OTHER PIPES CROSSES OVER THE OTHER UTILITY WITH A TICAL CLEARANCE OF LESS THAN 18". TO BE BUILT ON UNDISTURBED EARTH. CRETE TO BE READY MIX, CLASS A3.
ST OR ( 8" MIN	ORM SEWER OTHER PIPES  PROPOSED PIER  6" MIN (TYP)  PIER AT NEAREST JOINT ON EACH SIDE SANITARY SEWER OR WATER  MIN (TYP)  COMPACTED GRAVEL NO. 57
	8" MIN 2'-0" (DR-14) C900 PVC PIPE



CONTRACTOR SHALL PROVIDE SHOP DRAWING OF COMMERCIAL METER VAULT TO WVWA FOR

SINGLE DETECTOR CHECK VALVE SHALL BE WILKINS 310 DALM, WATTS ES-SS07F - BP, OR APPROVED EQUAL WITH FLANGED END CONNECTIONS, BYPASS ASSEMBLY, AND TWO OS&Y GATE

9 COMMERCIAL METER VAULT

METER SHALL BE PROVIDED INSIDE THE VAULT.
DOMESTIC BYPASS SHALL BE PROVIDED OUTSIDE THE VAULT.

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KEY PLAN

**PROJECT NUMBER** 

SHEET TITLE **CIVIL DETAILS** 

**SHEET NUMBER** 

WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL 12 DUCTILE IRON PIPE DEFLECTION ALLOWANCE TABLES

11 CONCRETE PIER DETAIL -502 NO SCALE

WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER OR WATER