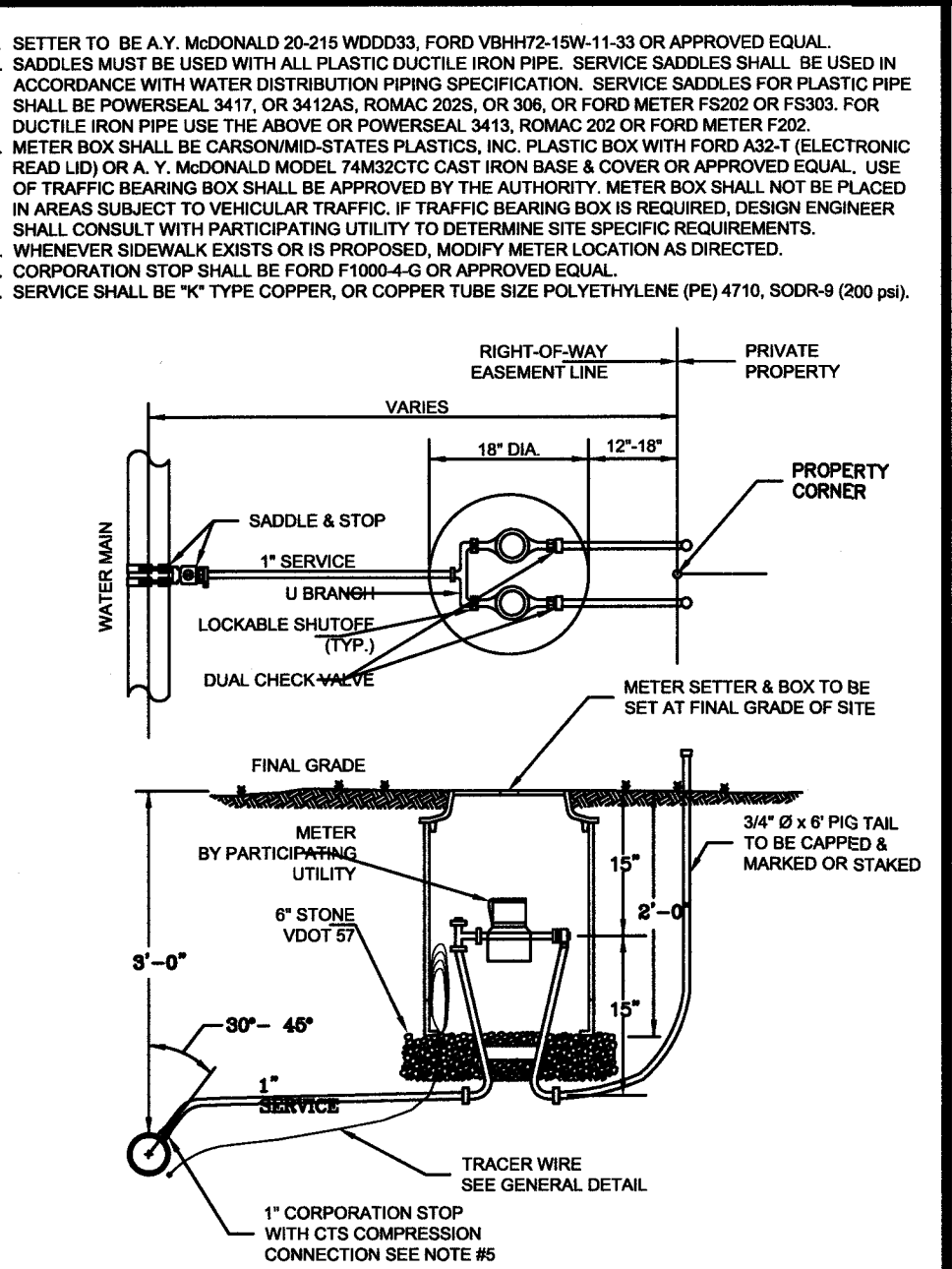
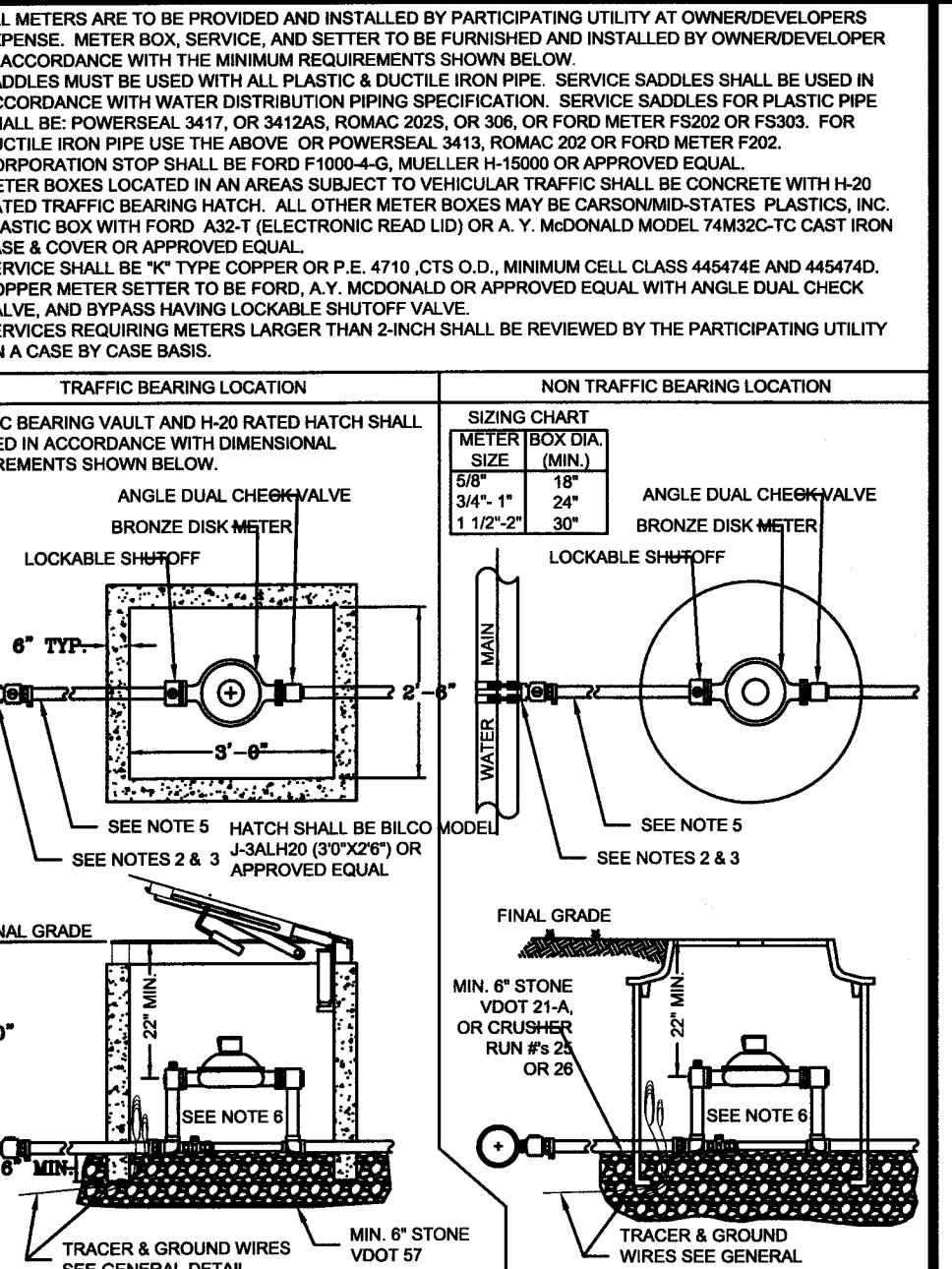


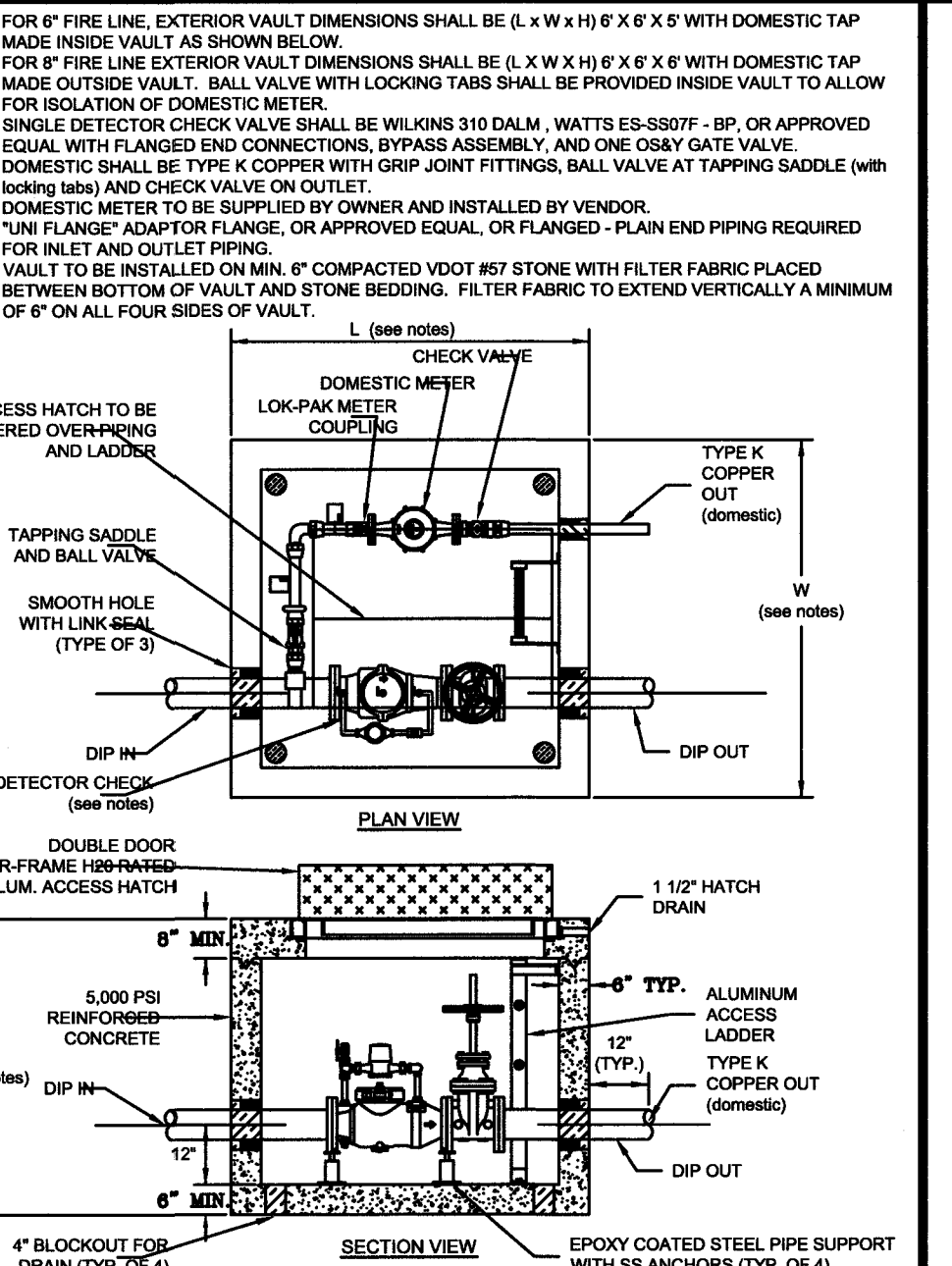
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
SINGLE RESIDENTIAL WATER SERVICE - (NEW DEVELOPMENT)
 (LINE PRESSURE UNDER 150 PSI)
 01/01/12 W-1



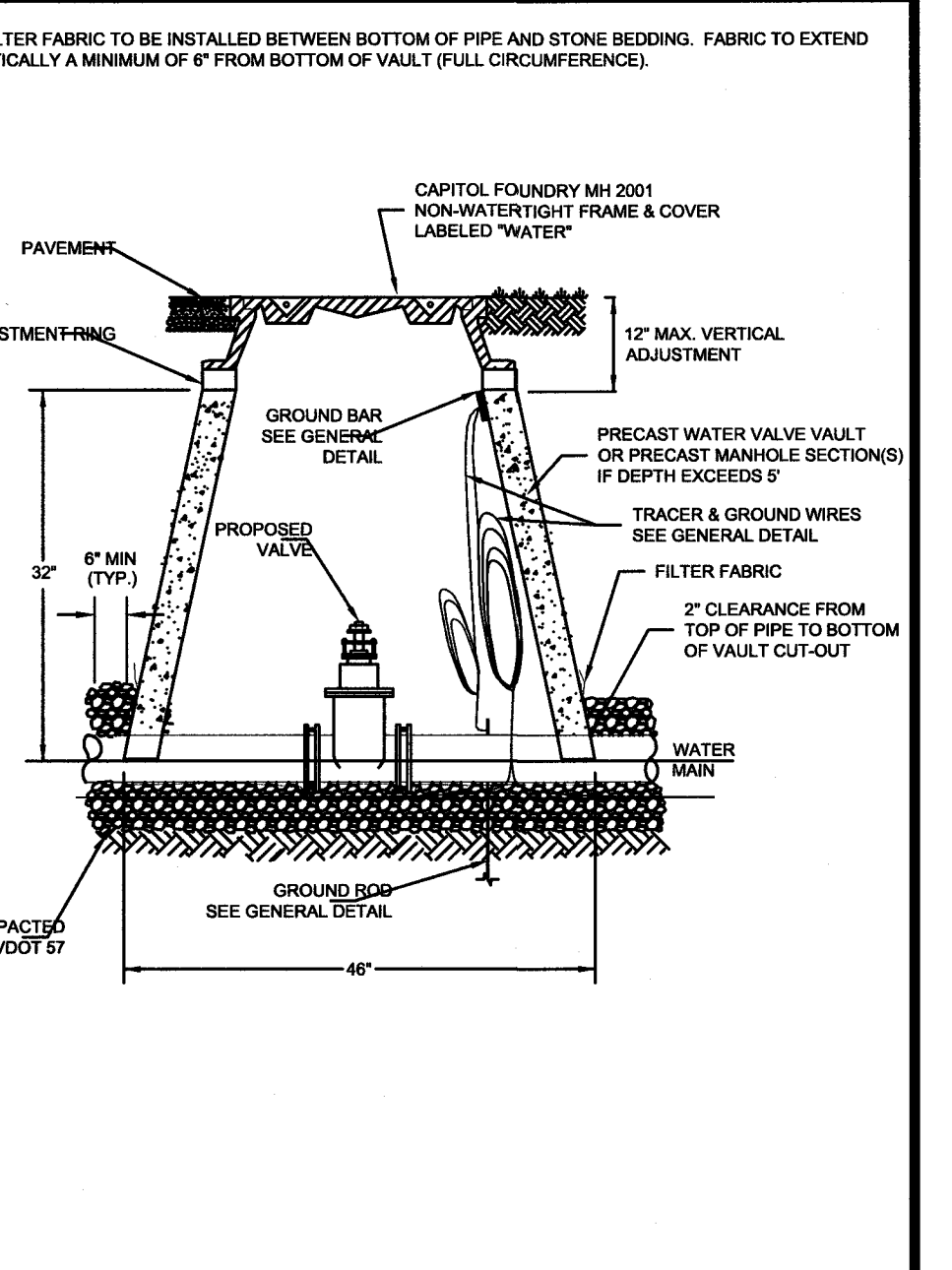
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
DOUBLE RESIDENTIAL WATER SERVICE
 (LINE PRESSURE UNDER 150 PSI)
 01/01/12 W-4



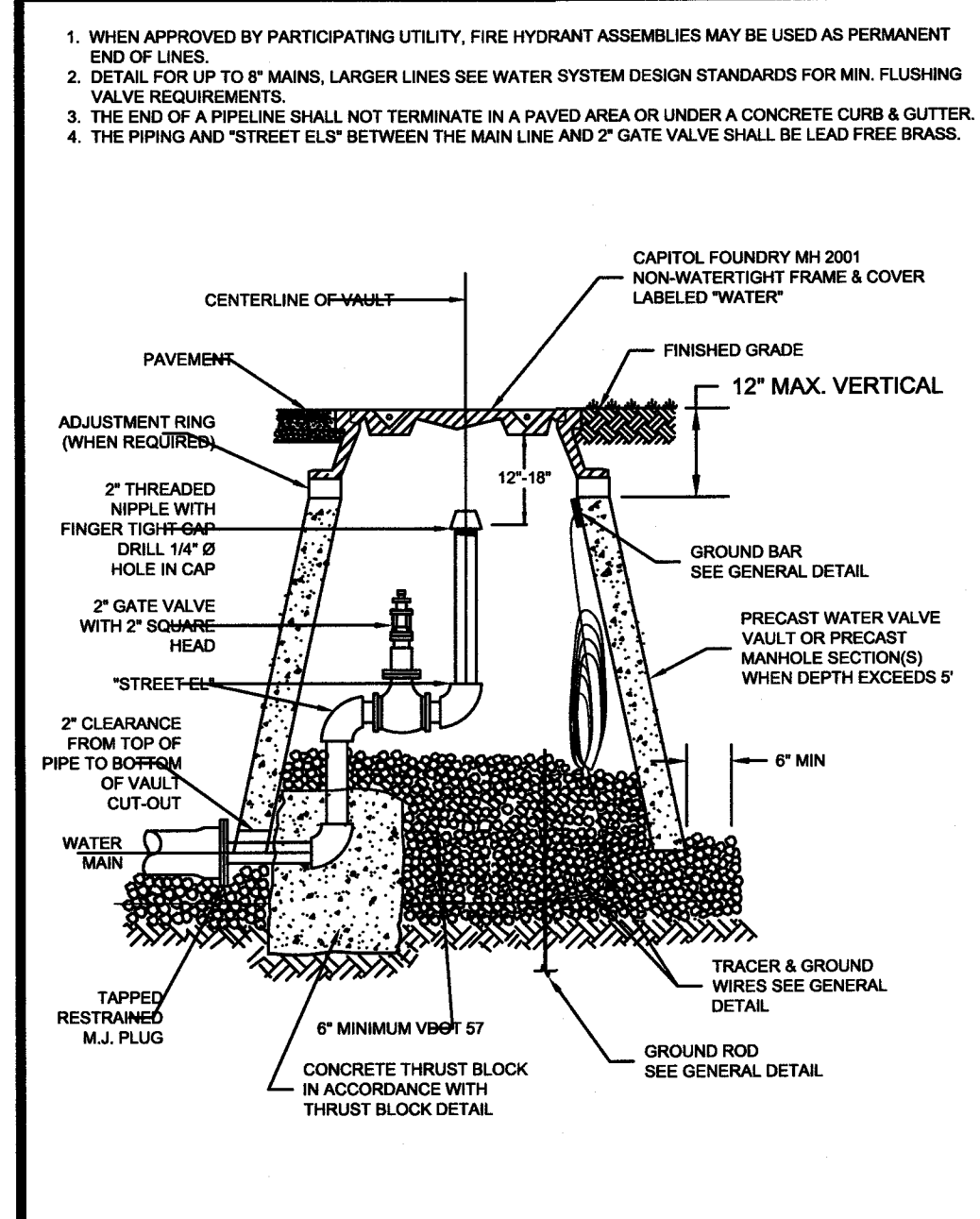
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
COMMERCIAL WATER SERVICE METER SIZES 5/8\"/>



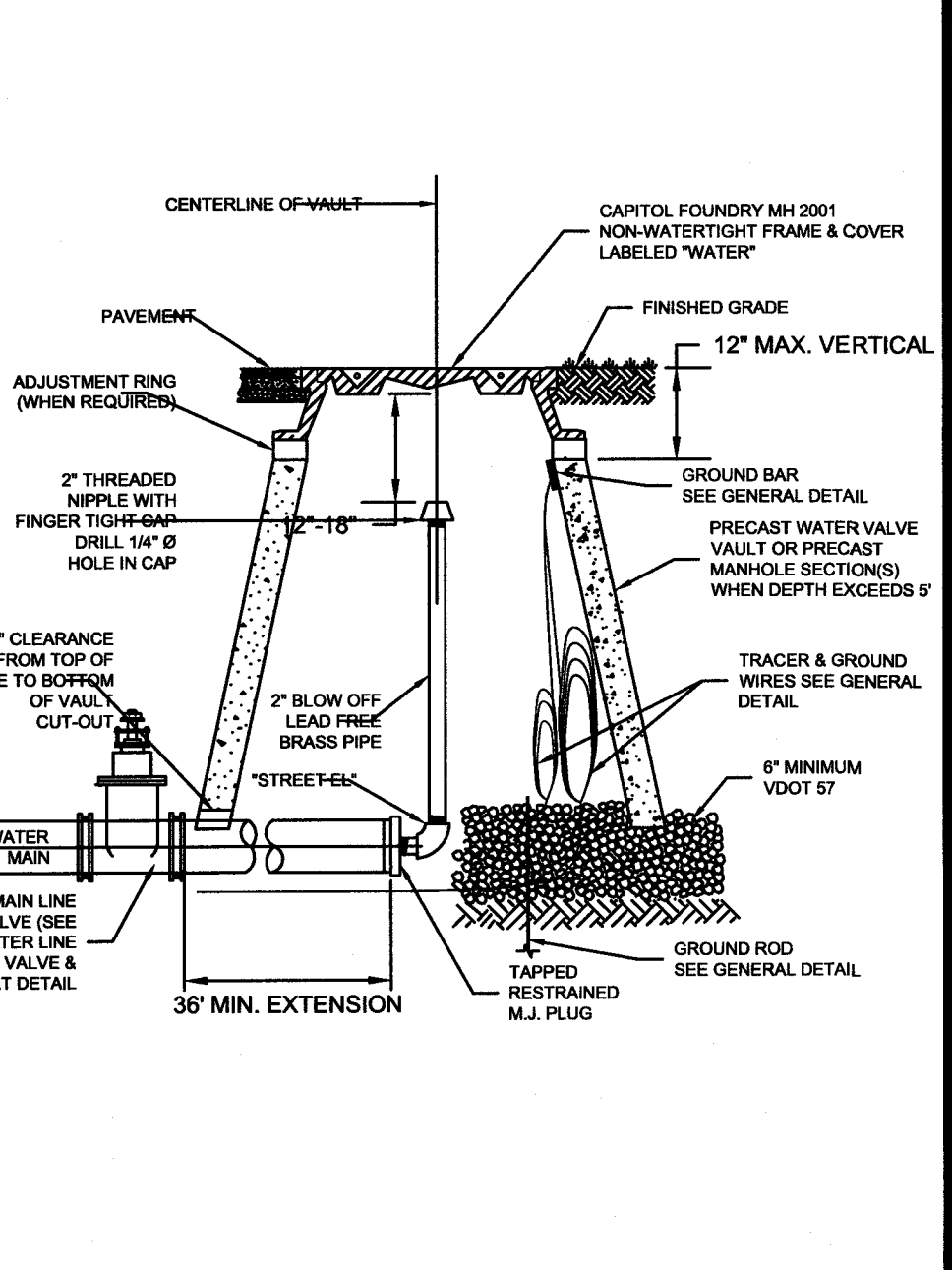
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
COMMERCIAL METER VAULT
 01/01/12 W-7



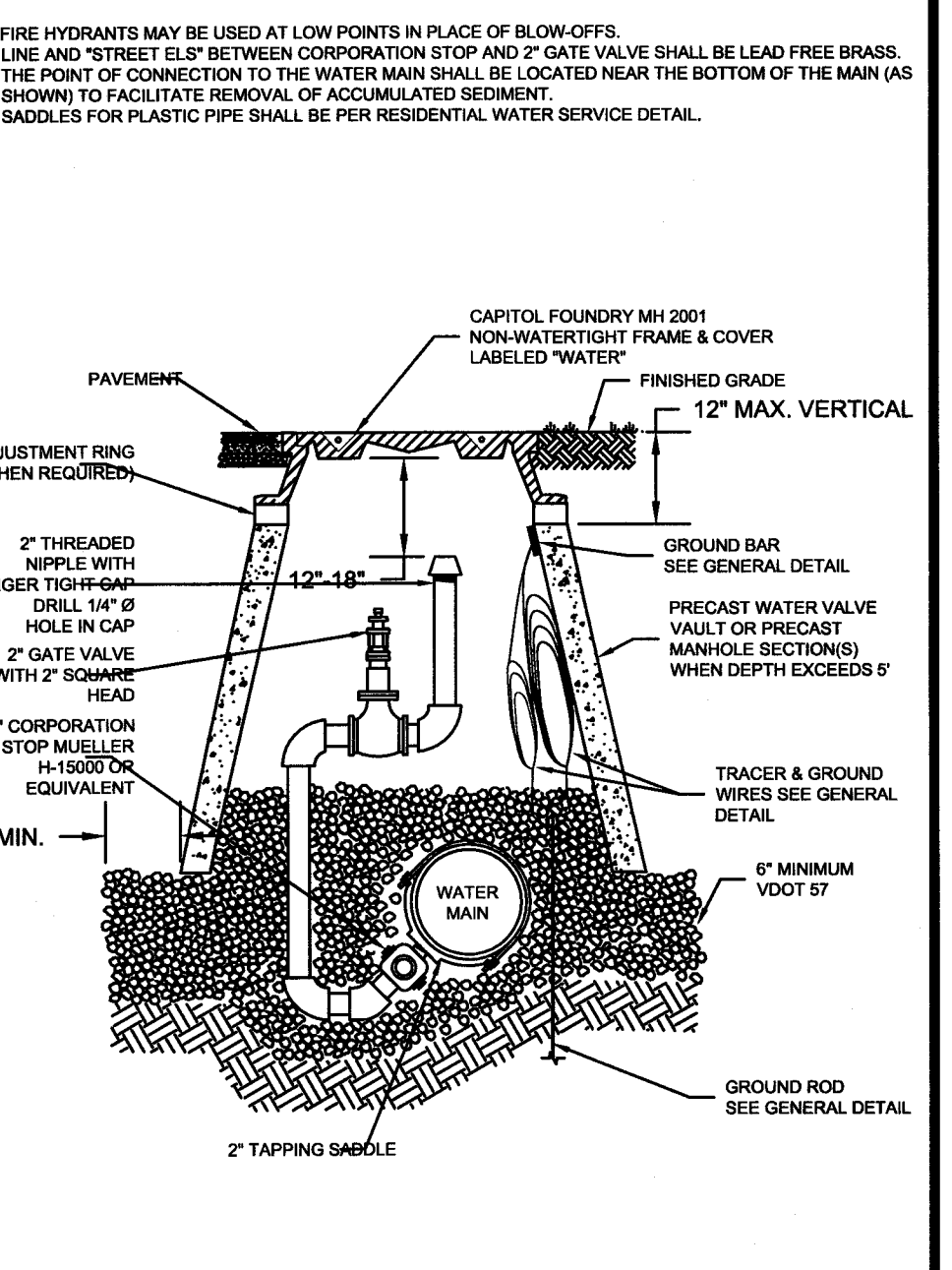
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
WATER LINE VALVE & VAULT
 01/01/12 W-9



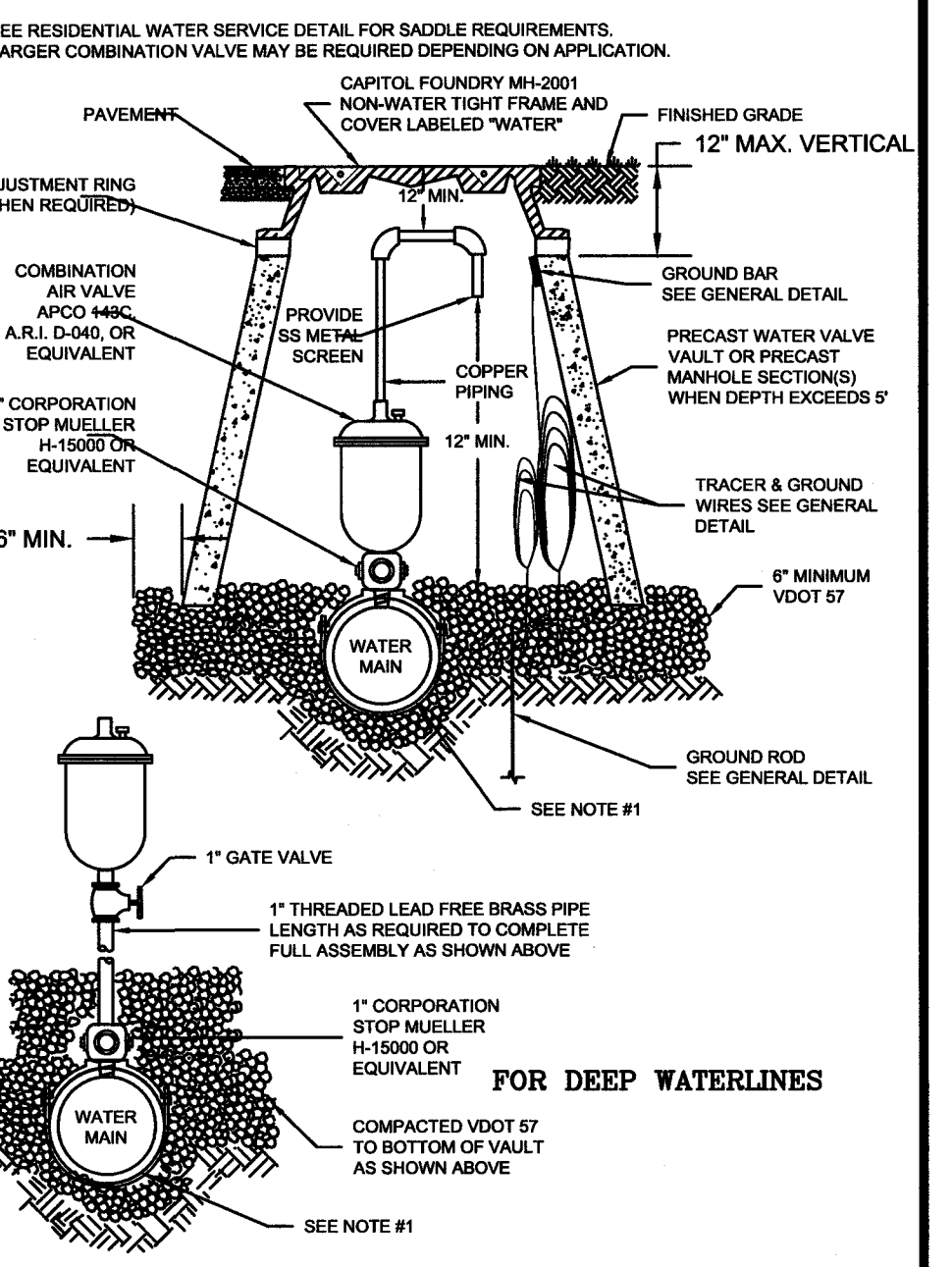
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
PERMANENT END OF LINE BLOW-OFF ASSEMBLY
 01/01/12 W-10



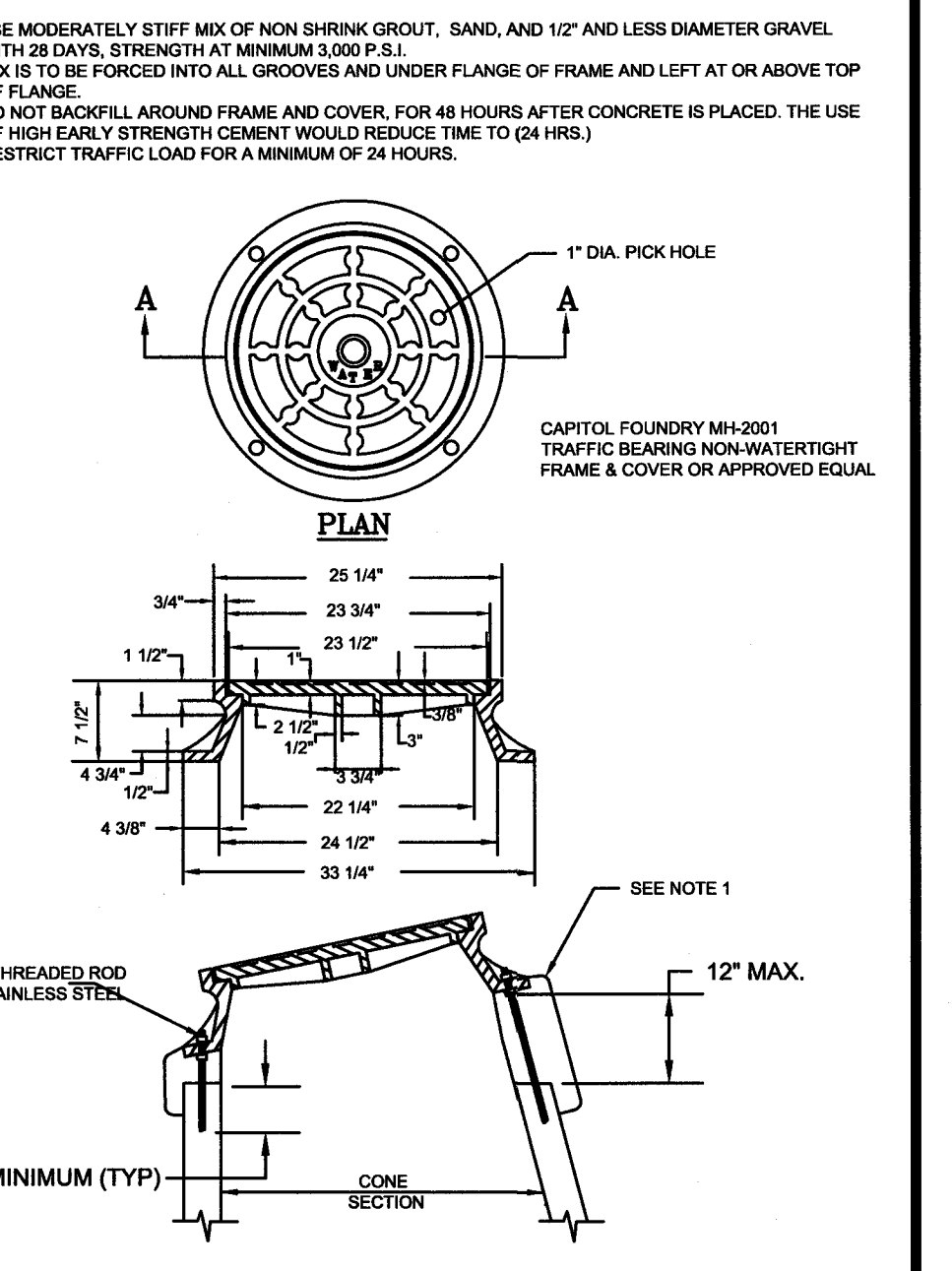
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
TEMPORARY END OF LINE BLOW-OFF ASSEMBLY
 01/01/12 W-11



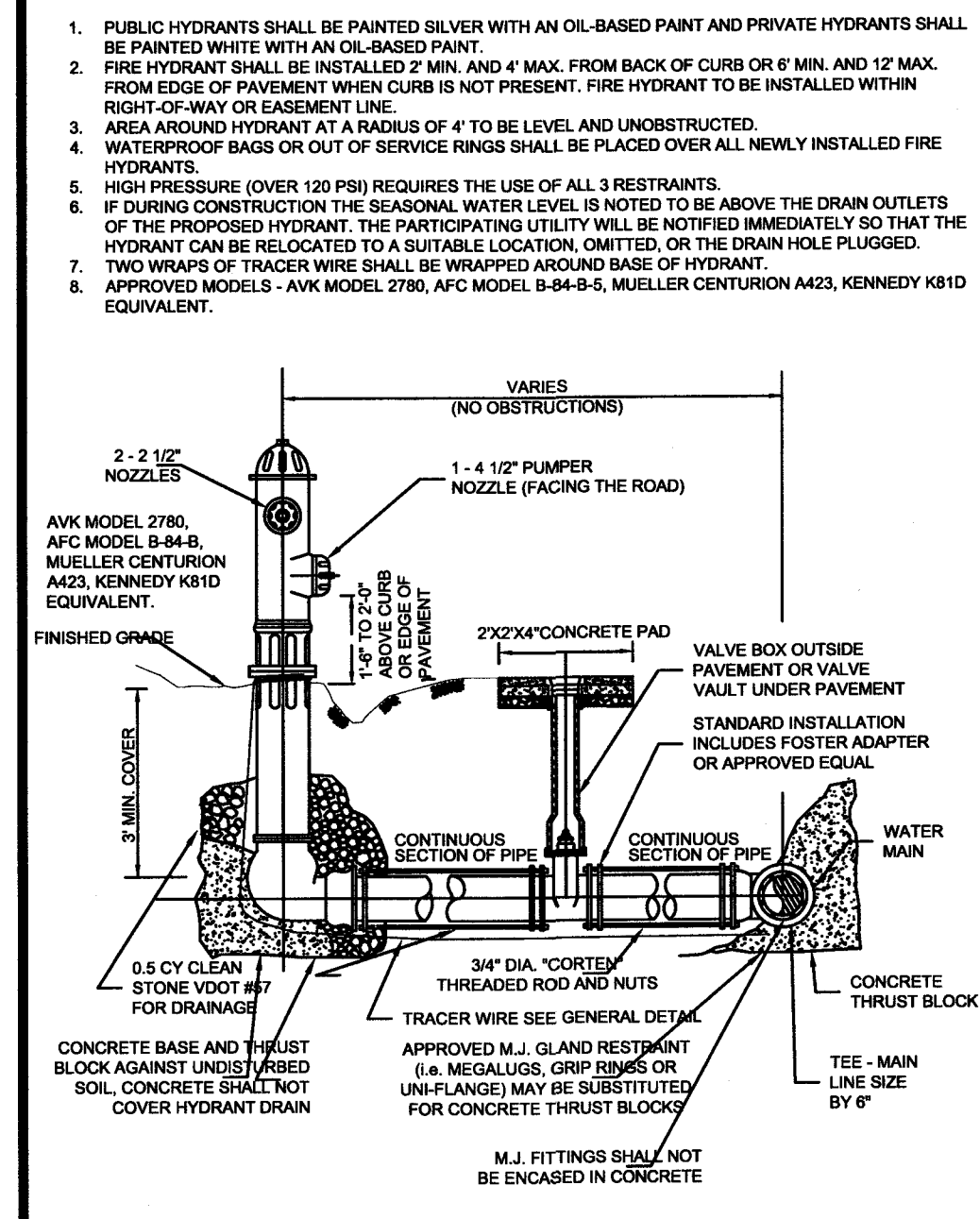
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
IN-LINE BLOW-OFF ASSEMBLY
 01/01/12 W-12



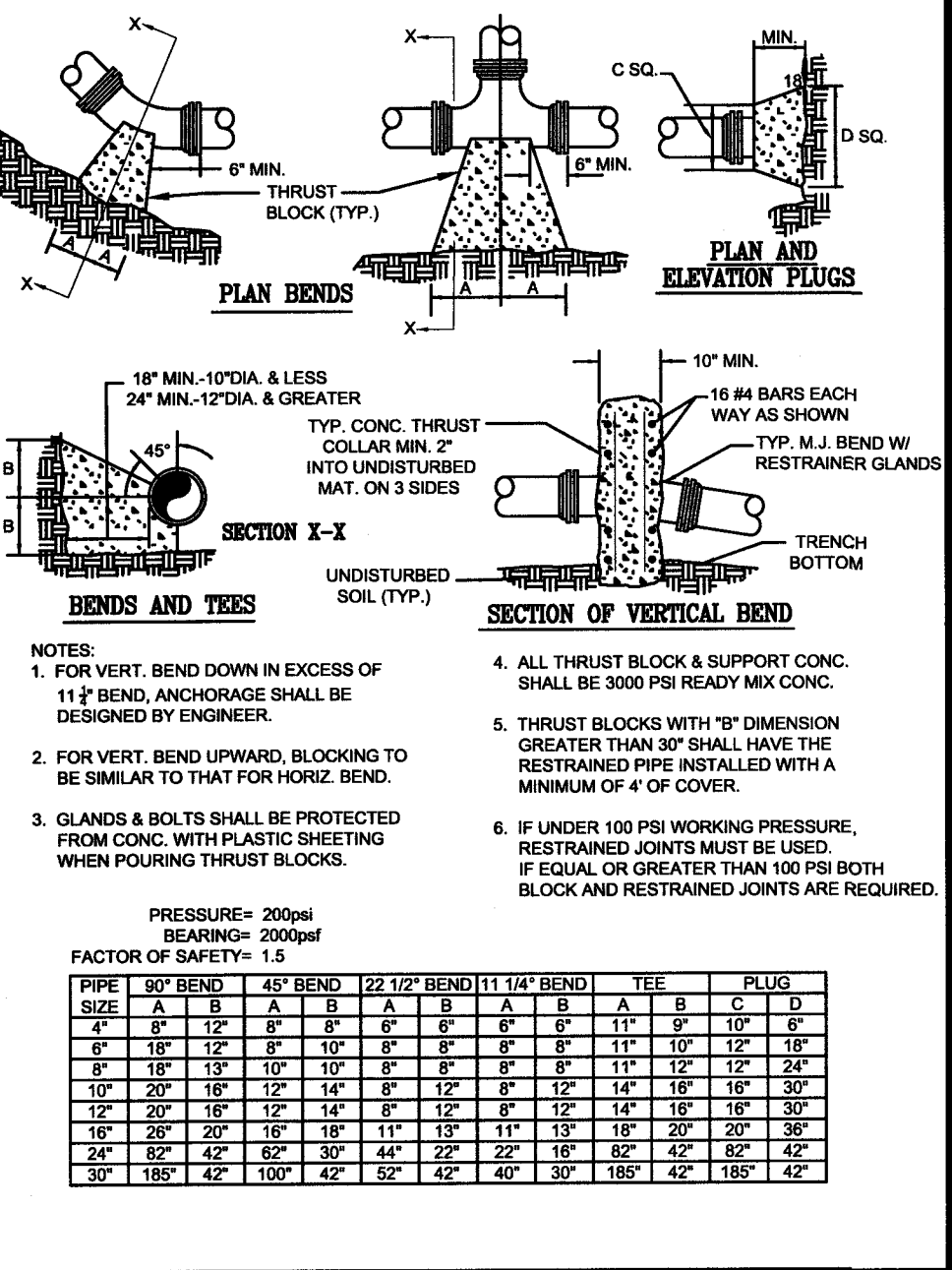
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
COMBINATION AIR VALVE ASSEMBLY
 01/01/12 W-13



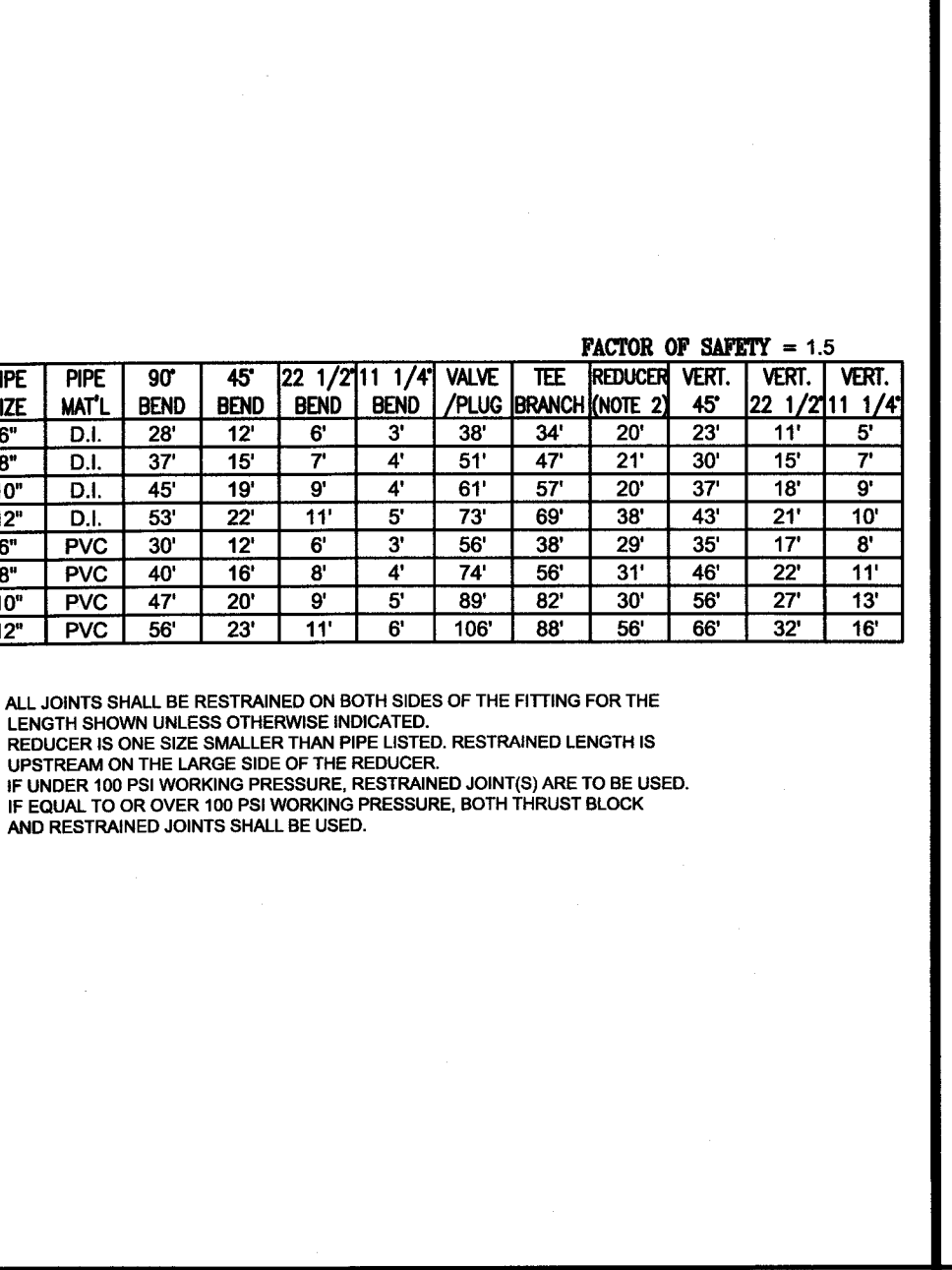
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
VAULT FRAME AND COVER
 01/01/12 W-16



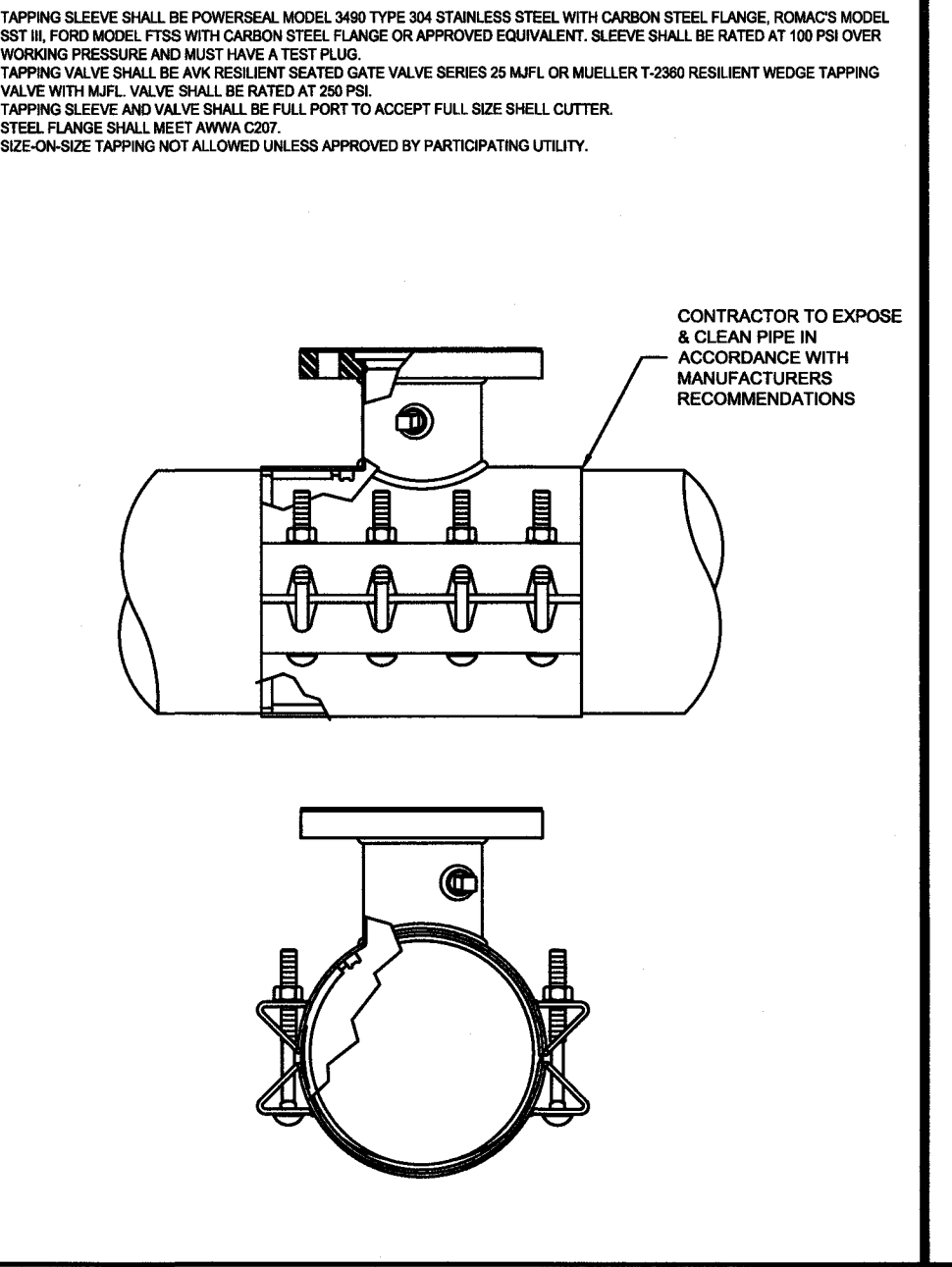
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
FIRE HYDRANT ASSEMBLY
 01/01/12 W-17



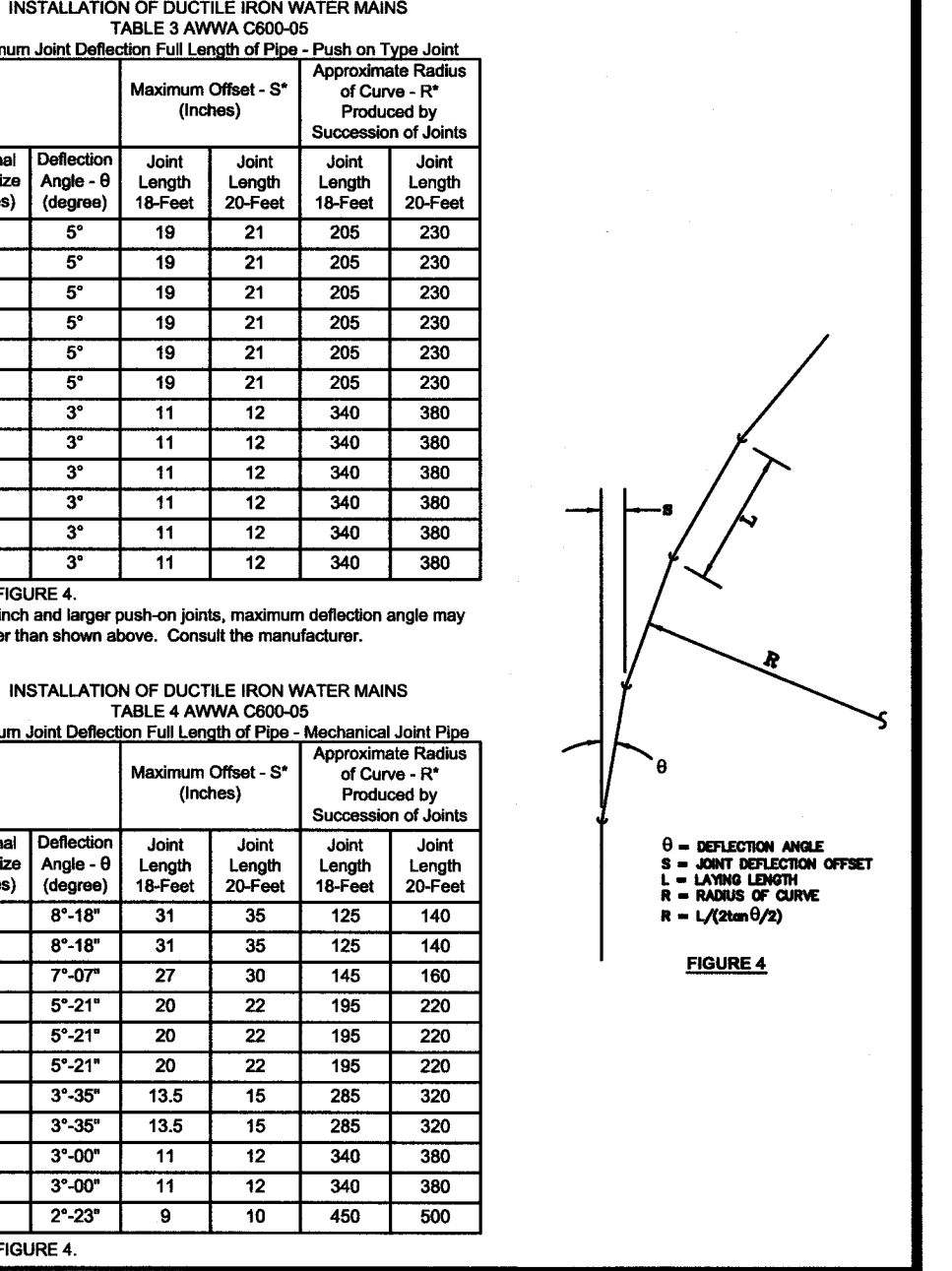
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
THRUST BLOCK REQUIREMENTS
 01/01/12 W-18



WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
THRUST RESTRAINT OF PIPE JOINTS DESIGN LENGTHS
 01/01/12 W-19



WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
TAPPING SLEEVE AND VALVE
 01/01/12 W-21



WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL
DUCTILE IRON PIPE DEFLECTION ALLOWANCE TABLES
 01/01/12 W-22

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COMMONWEALTH OF VIRGINIA
 Christopher P. Burns
 Lic. No. 047338
 12/15/14
 PROFESSIONAL ENGINEER

SUNCREST COMMUNITY
 WWW.WATERDETAILS
 HOLLINS DISTRICT
 ROANOKE COUNTY, VIRGINIA

DRAWN BY BTC
DESIGNED BY BTC
CHECKED BY CPB
DATE 05/24/2010
SCALE N/A

REVISIONS:
 08/13/2010
 10/15/2010
 12/10/2010
 02/06/2012
 10/18/2012
 02/14/2013
 02/27/2013
 04/24/2013
 08/30/2013 P.R. #2
 12/15/2014 P.R. #4
 SHEET NO.

C-19
 JOB NO. R0900020.00