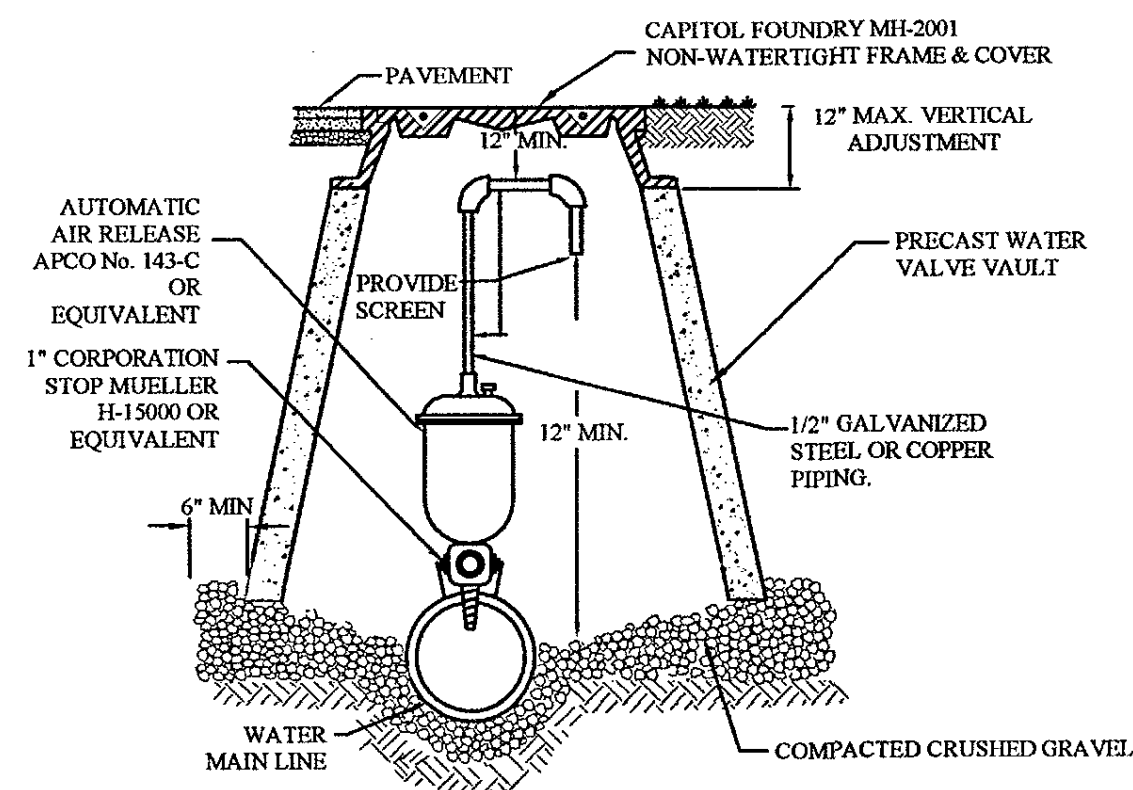
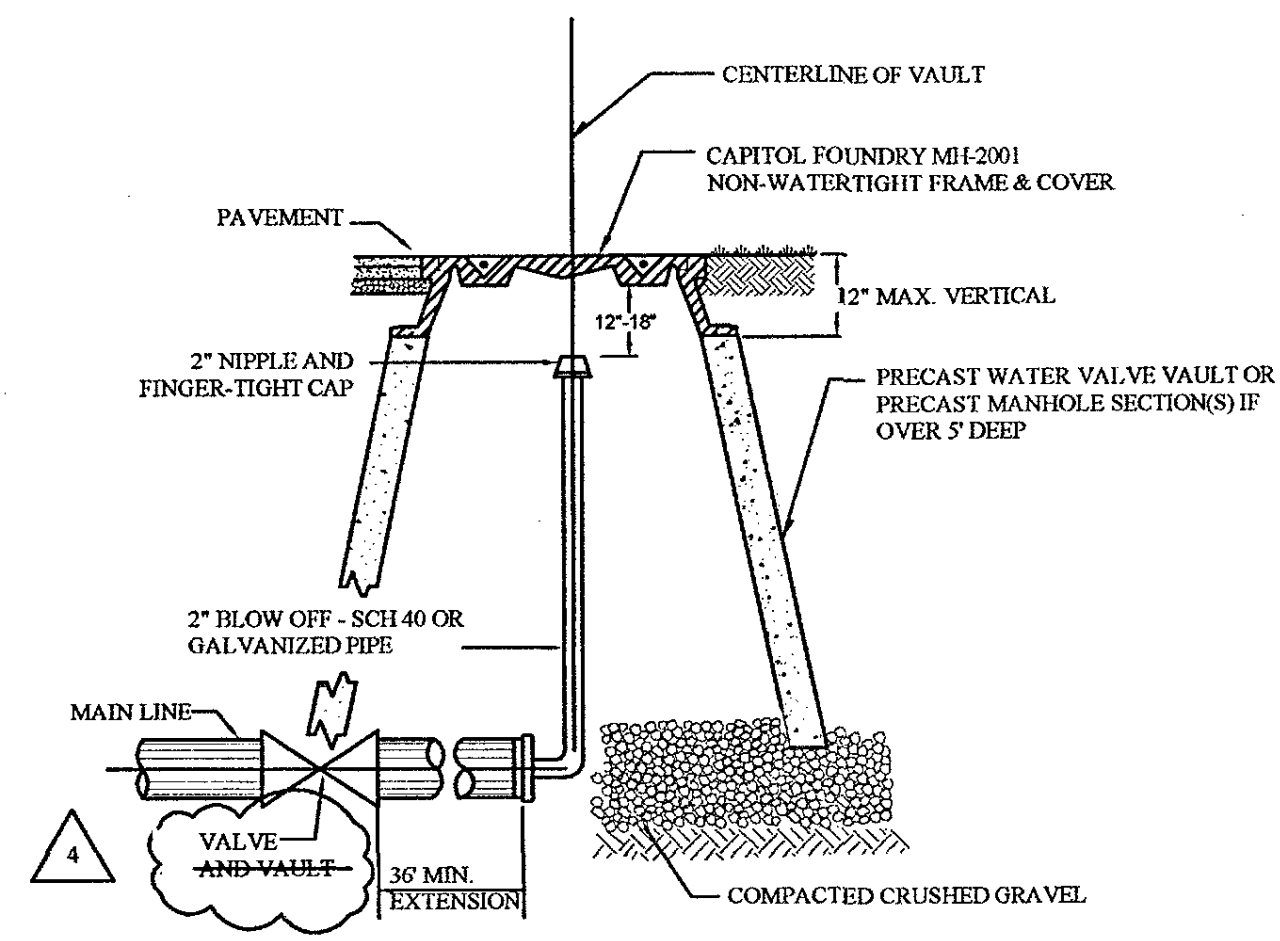


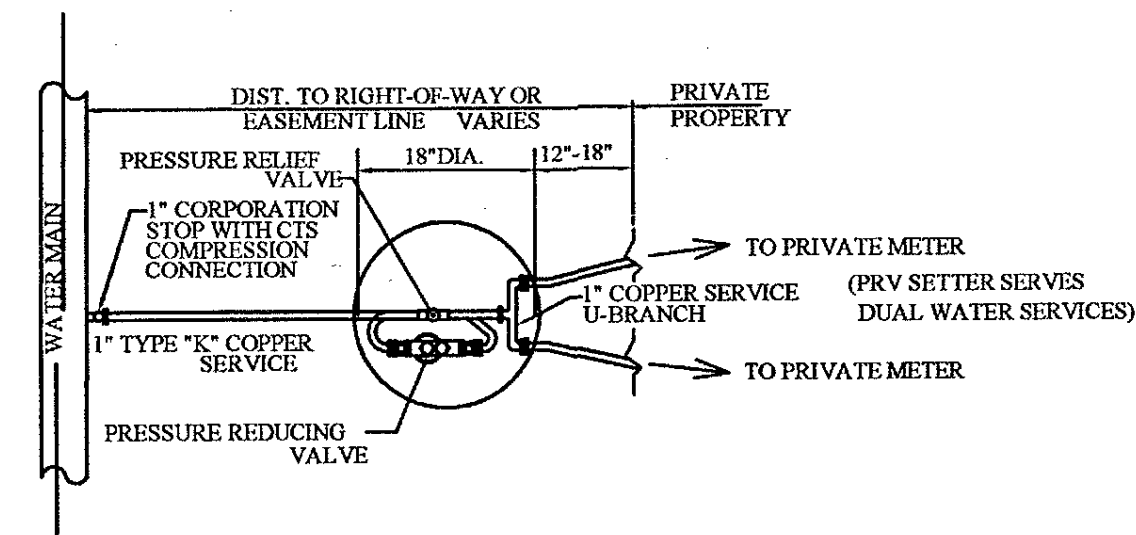


AUTOMATIC AIR RELEASE ASSEMBLY

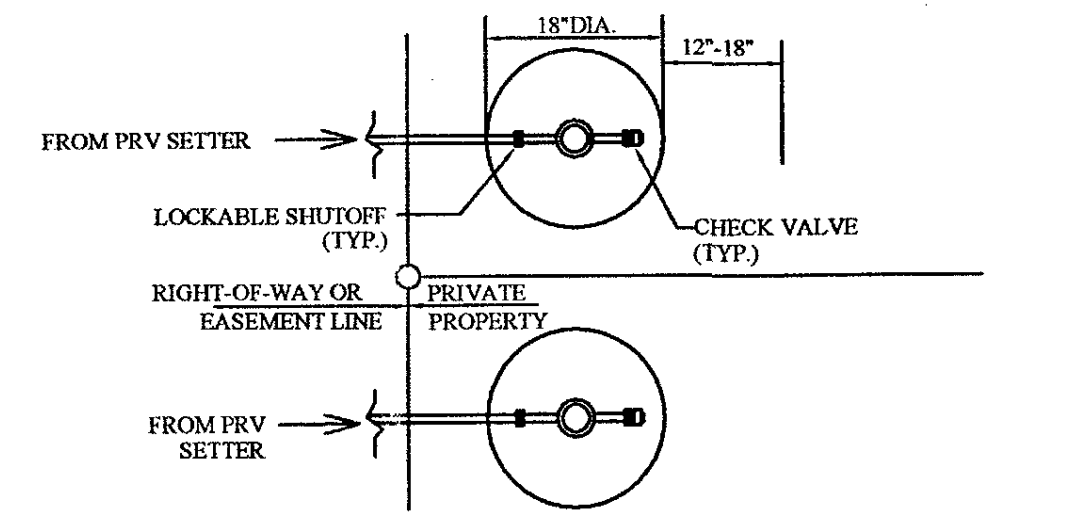


**BLOW-OFF ASSEMBLY
FOR MAIN LINE
TEMPORARY TERMINATION**

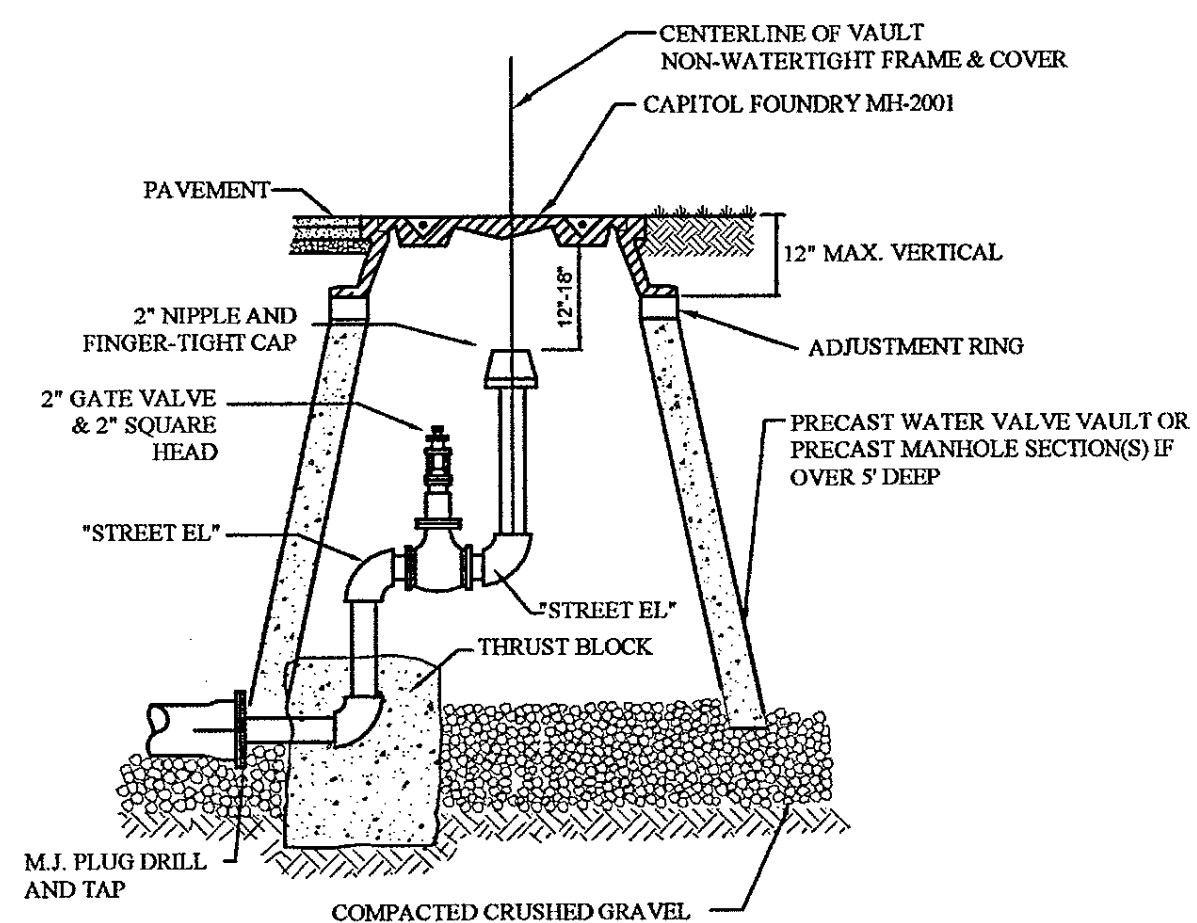
- Setters to be a Y. McDonald #20-215 wdl33, Ford VBHH72-15w-1133 or approved equal.
- Pressure reducing valve to be Watts 600 or approved equal.
- S bar to be at-2-31084-01 with PRV or equal.
- Meter box must be MID-STATES PLASTICS, Inc. Plastic box with Ford a324 (electronic read lid) or a Y. McDonald Model 74m32c-4c cast iron base & cover or approved equal.
- This configuration is required when the water pressure at the water main exceeds 80 psi. Pressure reducing valve shall serve no more than 2 private water services.
- Saddles must be used with all plastic & class 50 ductile iron pipe. Service saddles for plastic pipe shall be: POWERSEAL 3417, OR 3412AS, ROMAC 202S, OR 306, OR FORD METER FS202 OR FS303. For ductile iron pipe use the above or Powensel 3413, Romac 202 or Ford Meter I202.



**TYPE "C" TANDEM PRESSURE SETTER
FOR DUAL SERVICE
(LINE PRESSURE OVER 120 PSI)**

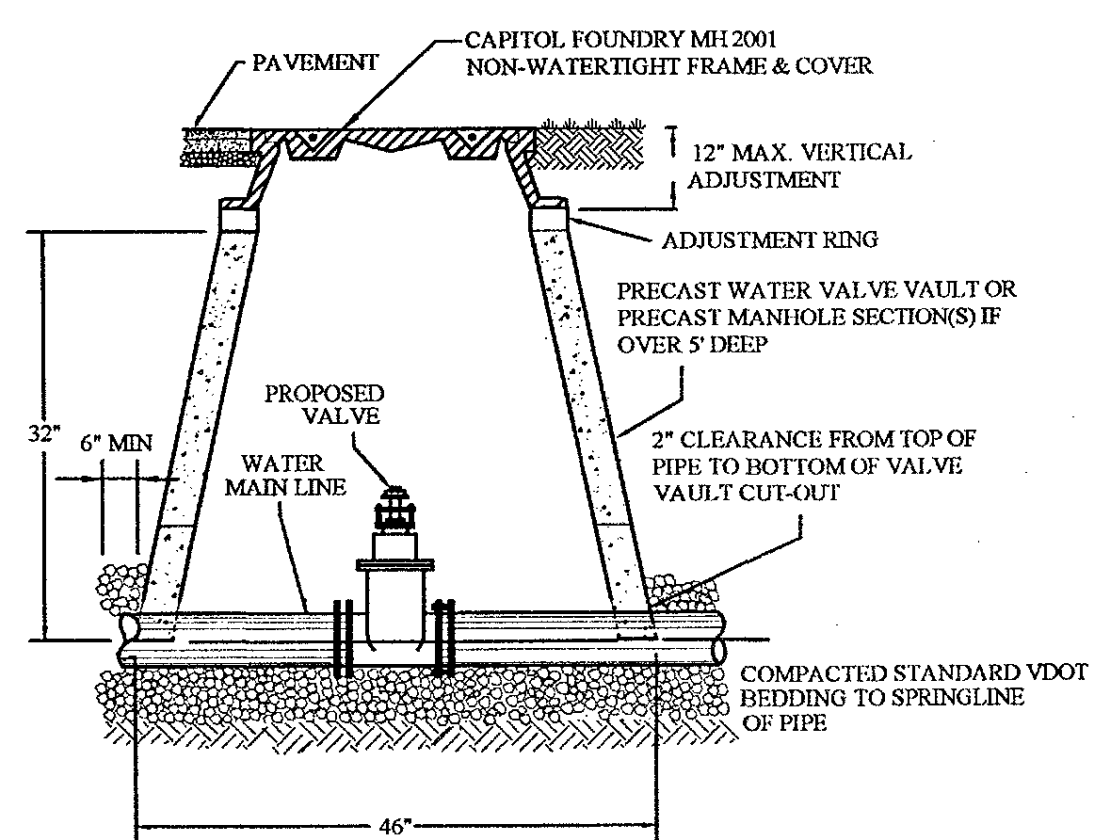


**DUAL RESIDENTIAL
WATER SERVICE**

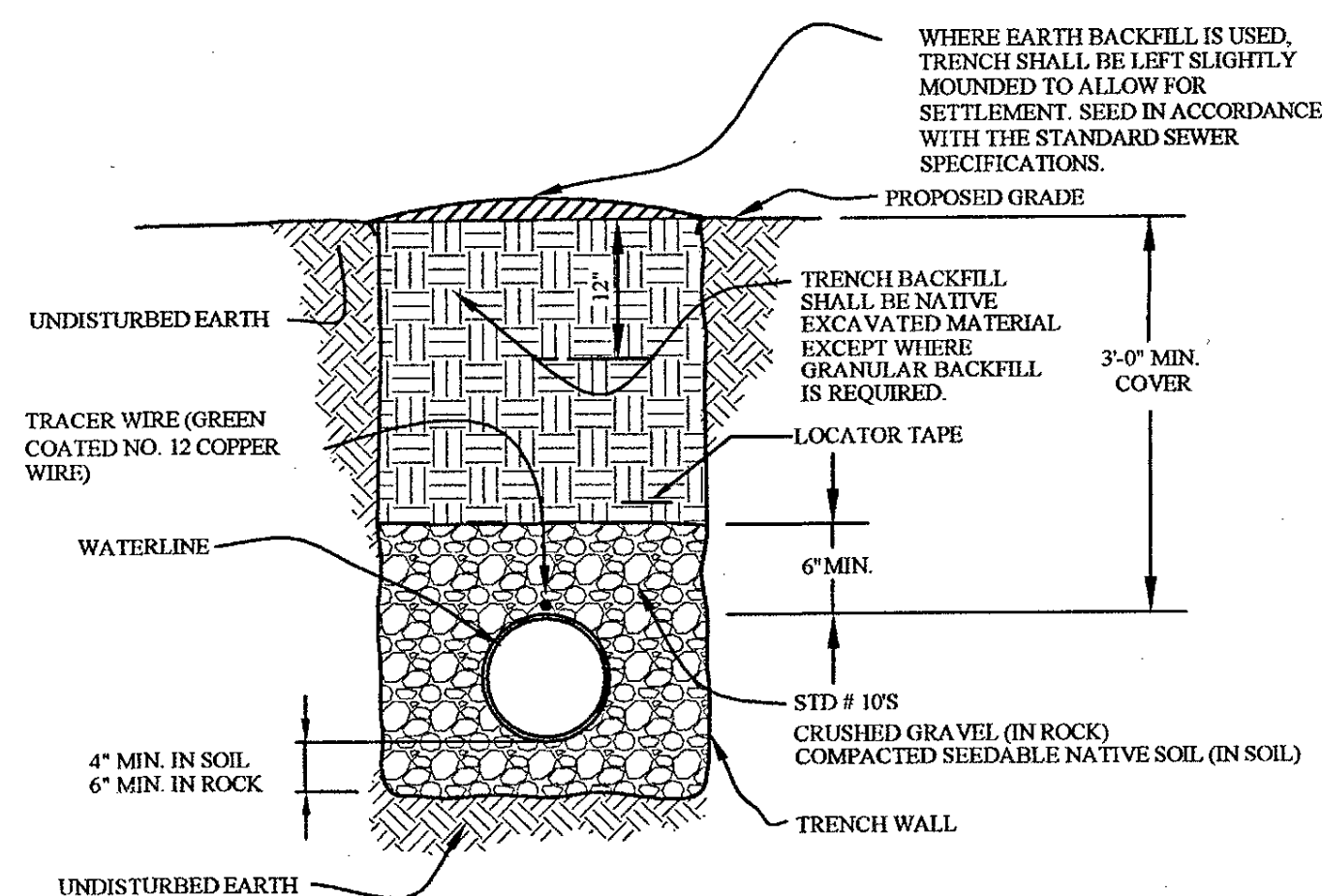


- Fire hydrant assemblies may be used as permanent end of lines.
- Detail for up to 8" mains, larger lines see sec. 101.10 for min. Flushing valve requirements.
- The end of a pipeline shall not terminate in a paved area or under a concrete valley gutter.

PERMANENT END OF LINE

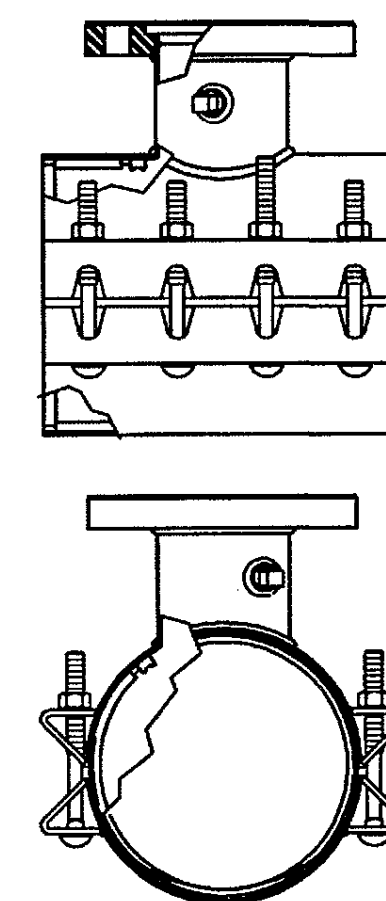


WATERLINE VALVE INSTALLATION



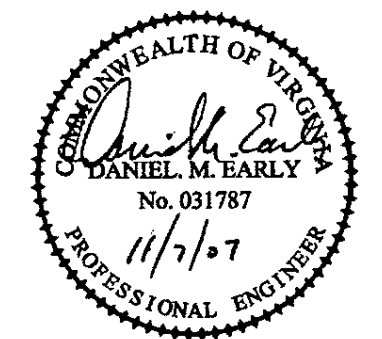
WATERLINE INSTALLATION

- Setter to be a Y. McDonald #20-215 wdl33, Ford vbhh72-15w-1133 or approved equal.
- Meter box must be Mid-States Plastics, Inc. Plastic box with Ford a324 (electronic read lid) or a Y. McDonald Model 74m32c-4c cast iron base & cover or approved equal.
- Corporation stop must be Ford I1000-4-6 or approved equal.



- Tapping sleeve shall be Powersel Model 3490 type 304 stainless steel with carbon steel flange, Romac's Model SST iii or approved equivalent. Sleeve shall be rated at 250 psi and must have a test plug.
- Tapping valve shall be AVK Resilient Seated Gate valve series 25 mjt or Mueller t-2360 Resilient Wedge Tapping Valve with mjt. Valve shall be rated at 250 psi.
- Tapping sleeve and valve shall be full port to accept full size shell cutter.

TAPPING SLEEVE AND VALVE



**ACS
DESIGN**

ENGINEERING • SURVEYING
LANDSCAPE ARCHITECTURE
CONSTRUCTION MANAGEMENT

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The Coves at Smith Mountain Lake
Optima Properties-Smith Mountain Lake, LLC
Franklin County, Virginia

DRAWN BY: AH
DESIGNED BY: DME
CHECKED BY: DME
DATE: 01 MAY 2006
JOB NUMBER: 05271

REVISIONS:
No. 1 8/23/06
No. 2 10/30/06
rev. Note 5 (PRV valve) per VDH
No. 3 5/11/2007
Final for Construction
No. 4 11/7/2007
Water System Revisions

SHEET NO.:
C4.5

**WATERLINE
DETAILS**