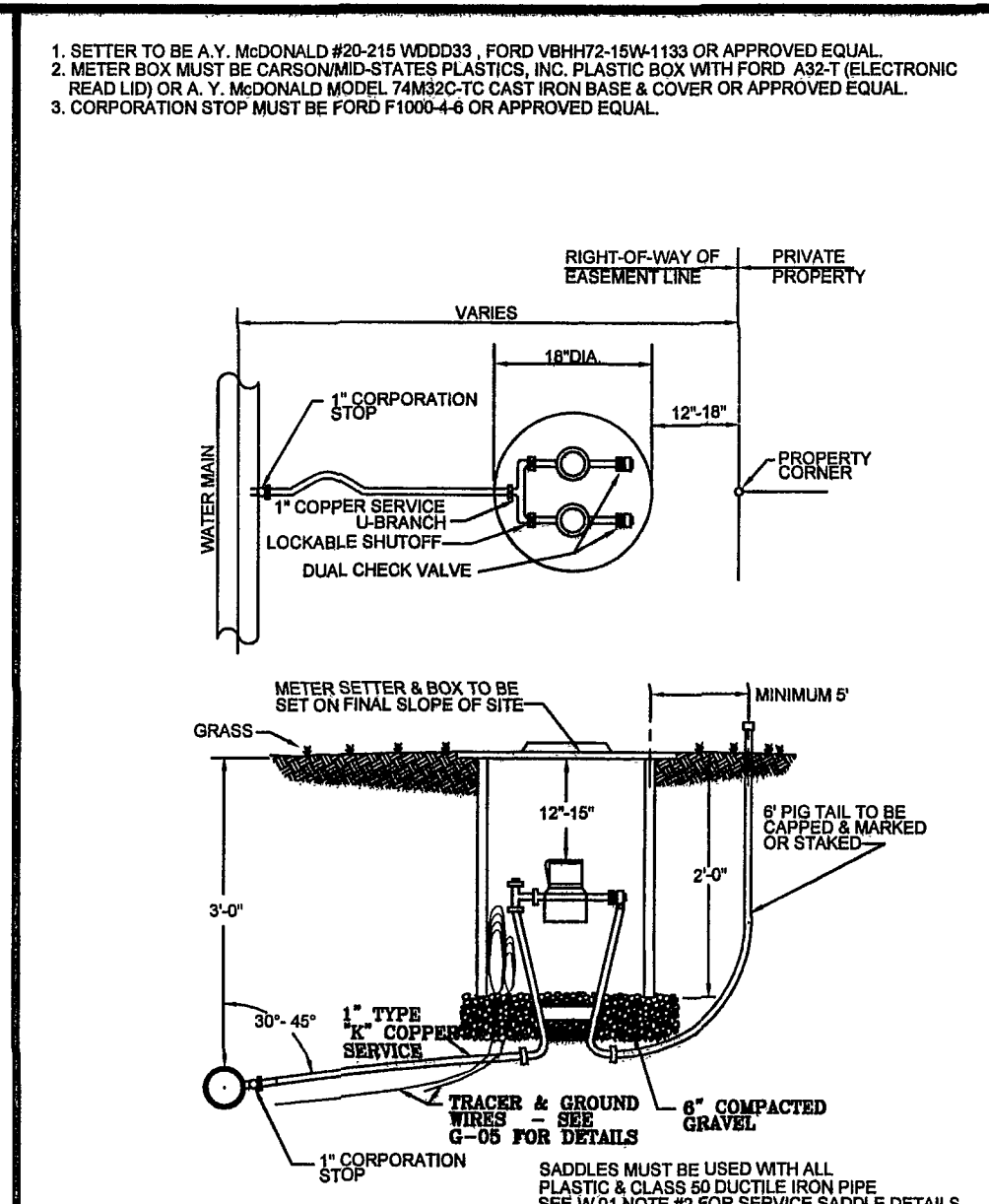
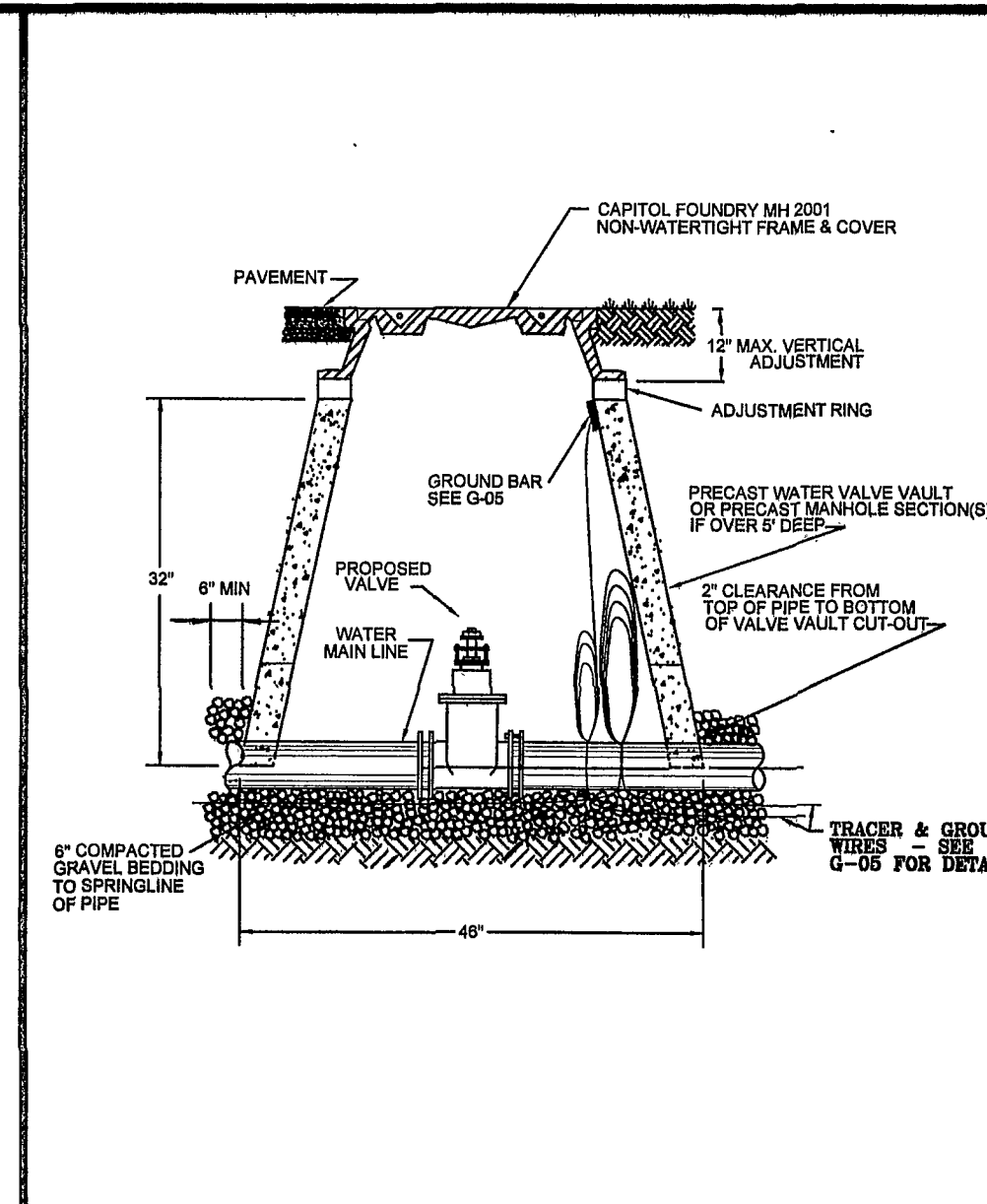


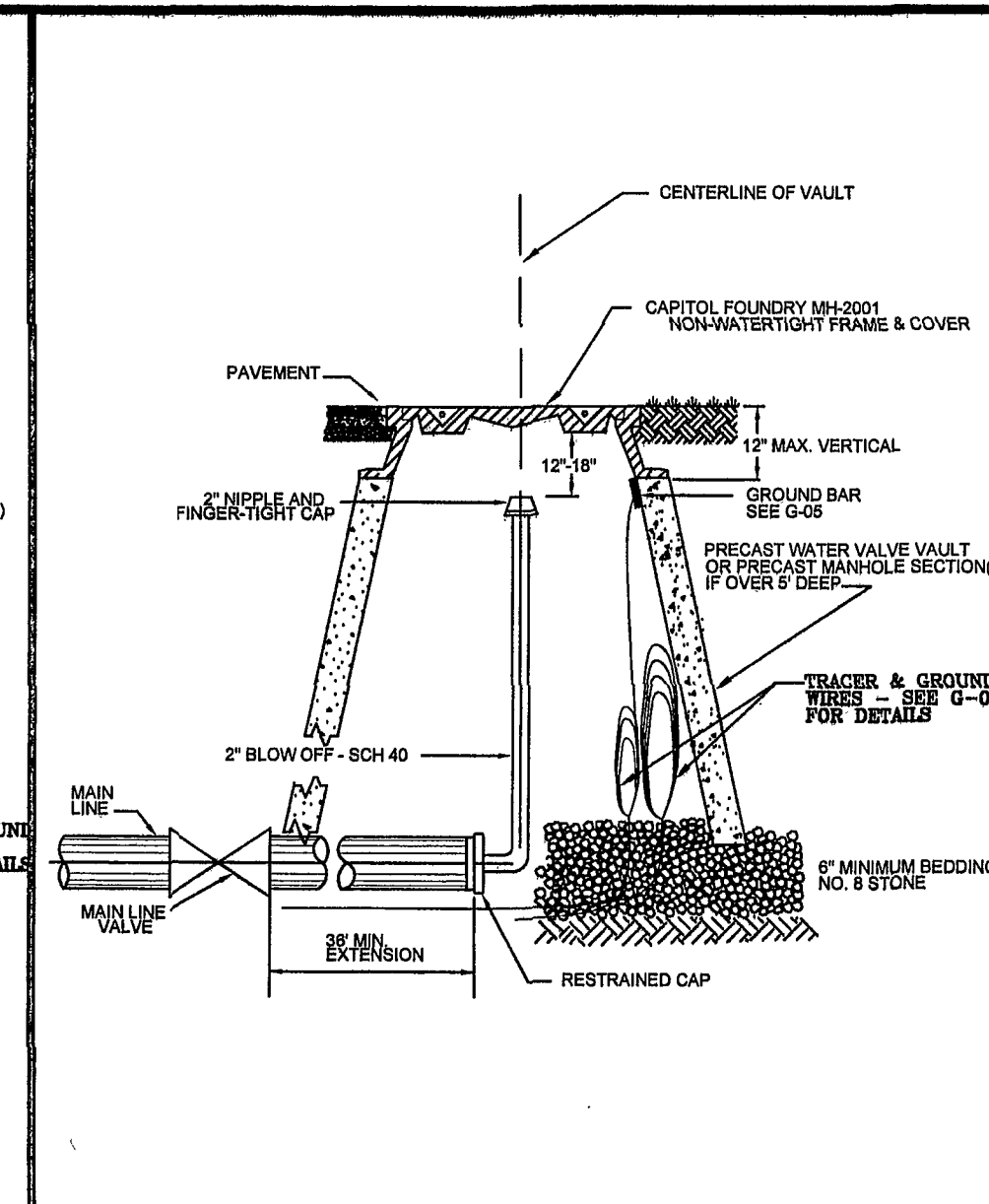
WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-02
07/01/04	TYPICAL SINGLE RESIDENTIAL WATER SERVICE (LINE PRESSURE UNDER 80 TO 180 PSI)	
03/01/06		



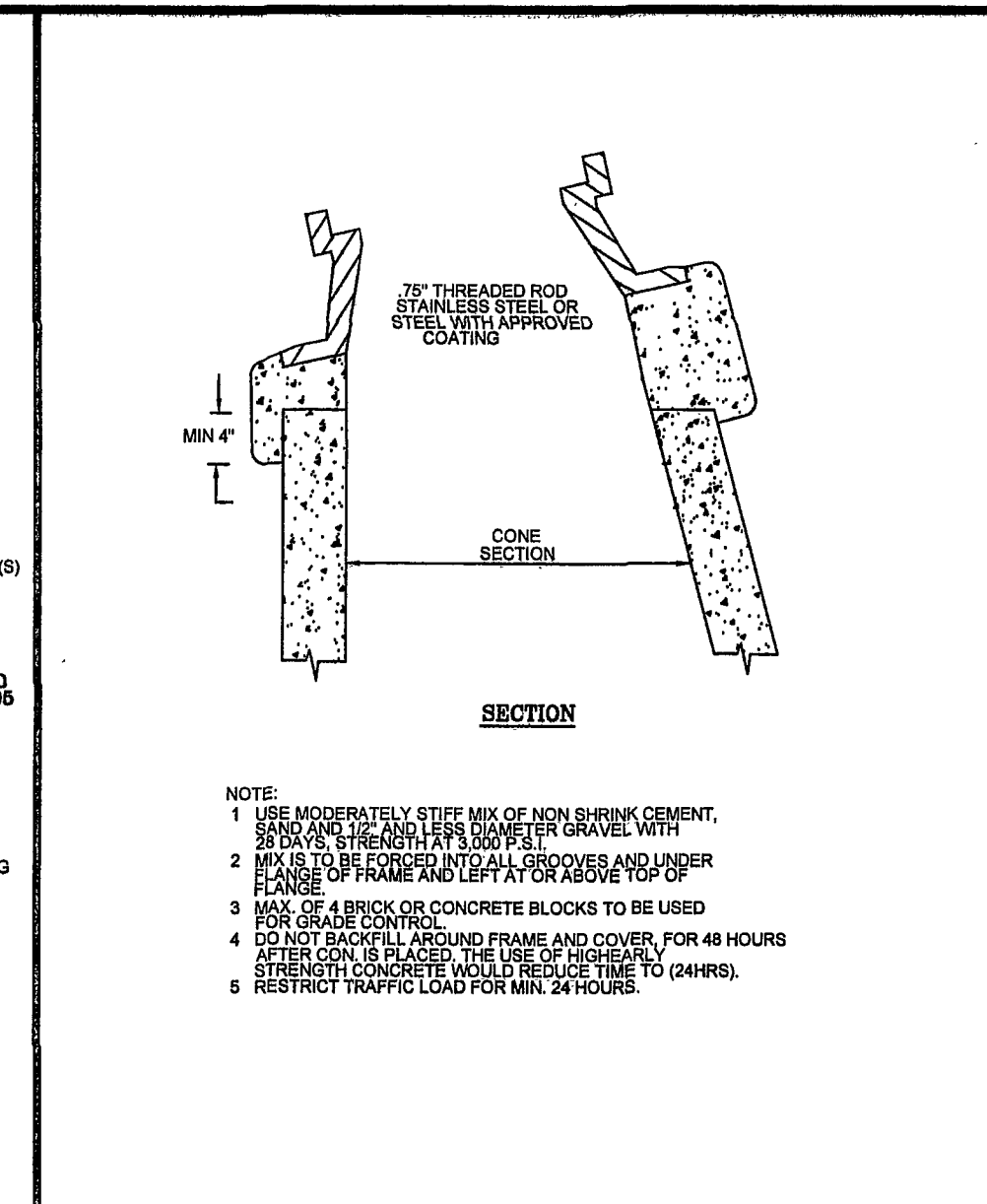
WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-04
07/01/04	DOUBLE RESIDENTIAL WATER SERVICE	
03/01/06		



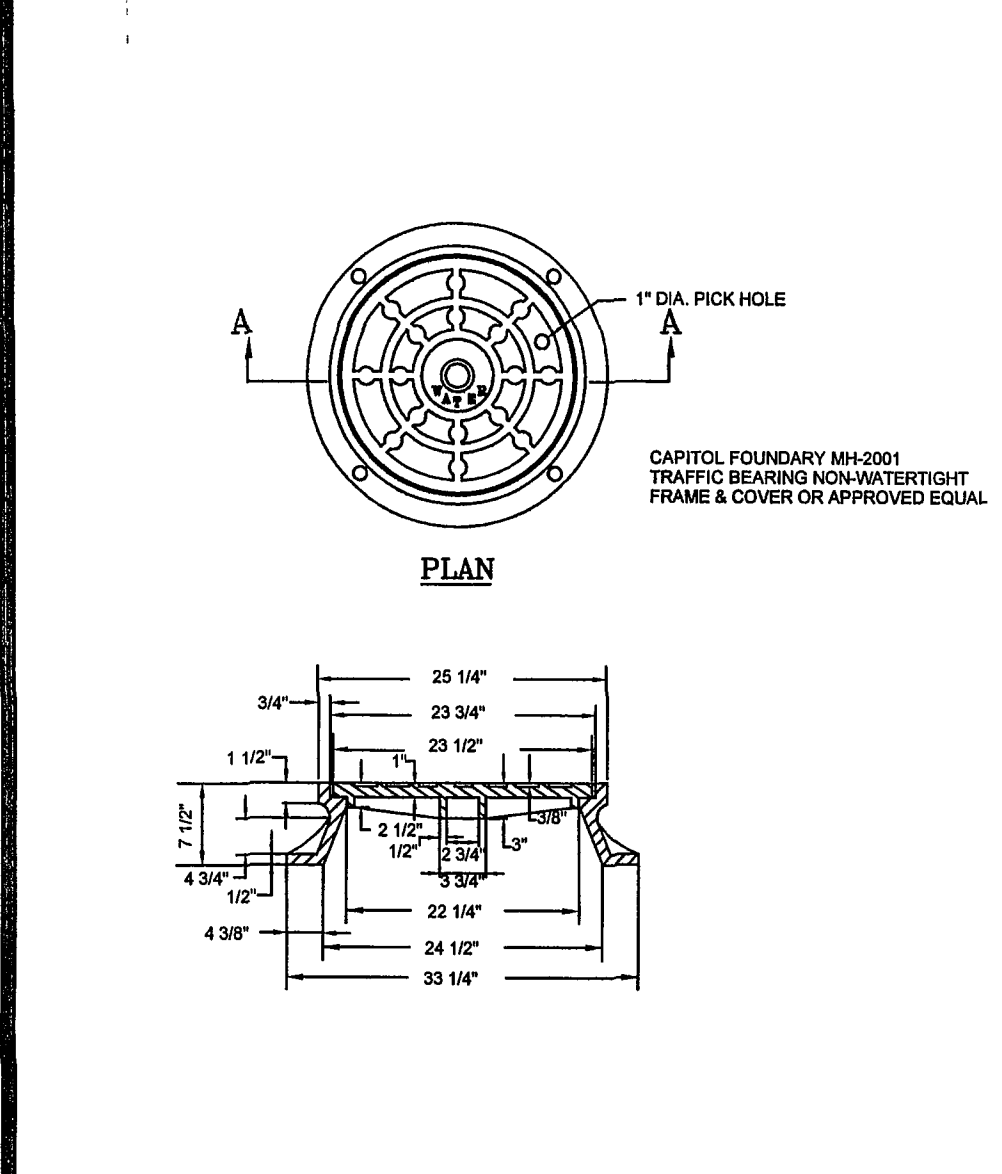
WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-08
07/01/04	WATER LINE VALVE INSTALLATION	
03/01/06		



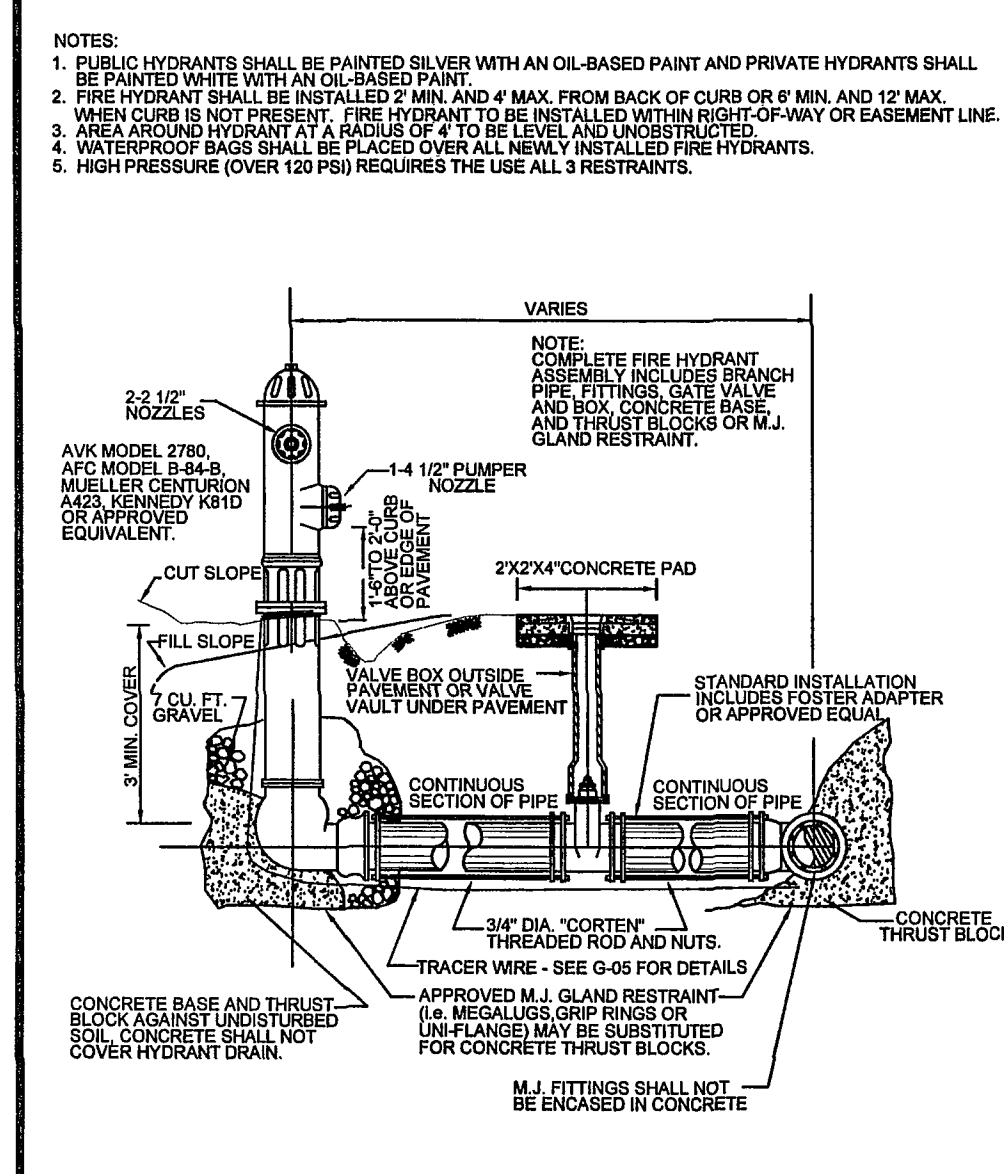
WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-10
07/01/04	BLOW-OFF ASSEMBLY FOR MAIN LINE TEMPORARY TERMINATION	
03/01/06		



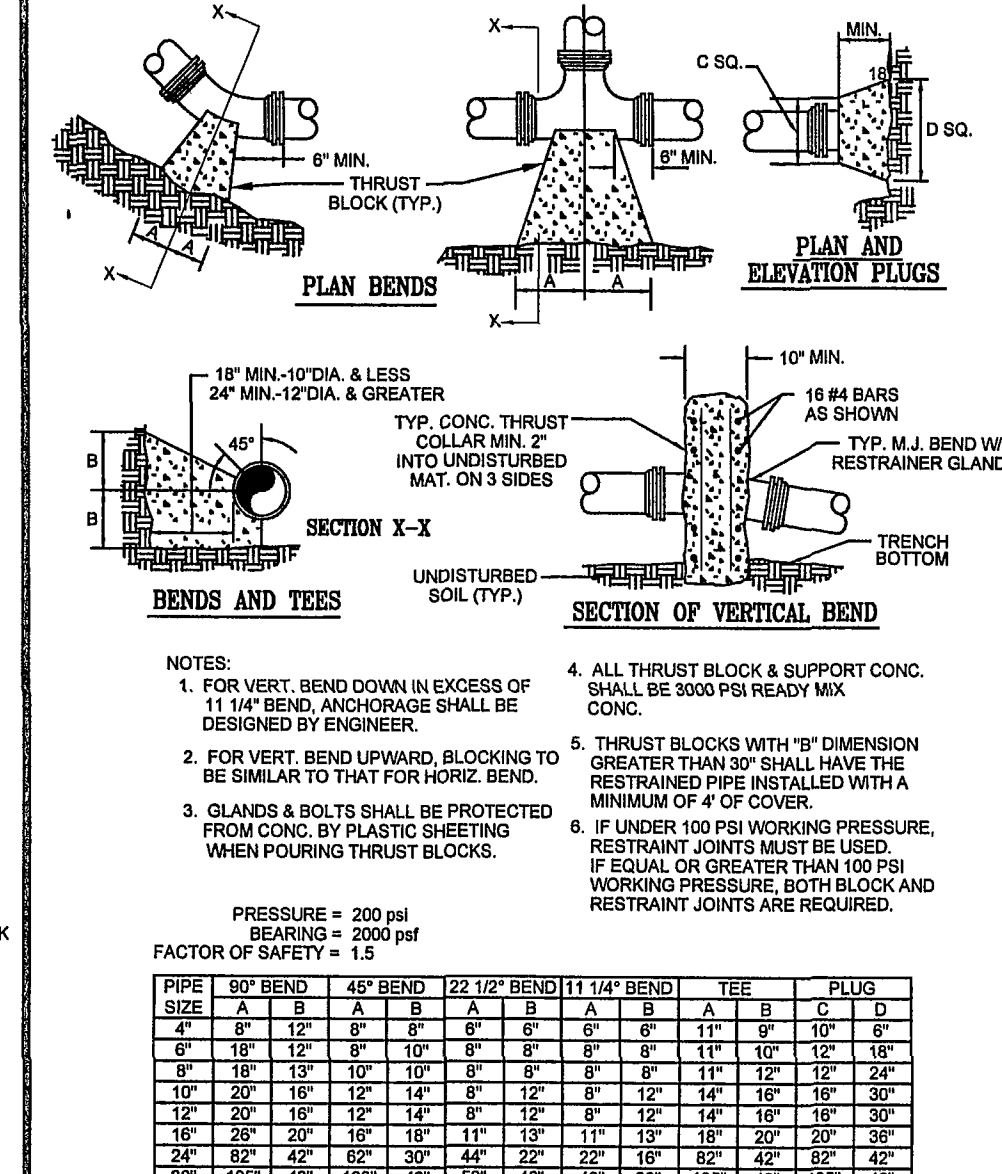
WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-16
07/01/04	INSTALLATION DETAIL FOR ALL FRAMES AND COVERS	
03/01/06		



WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-17
07/01/04	MANHOLE FRAME AND COVER	
03/01/06		

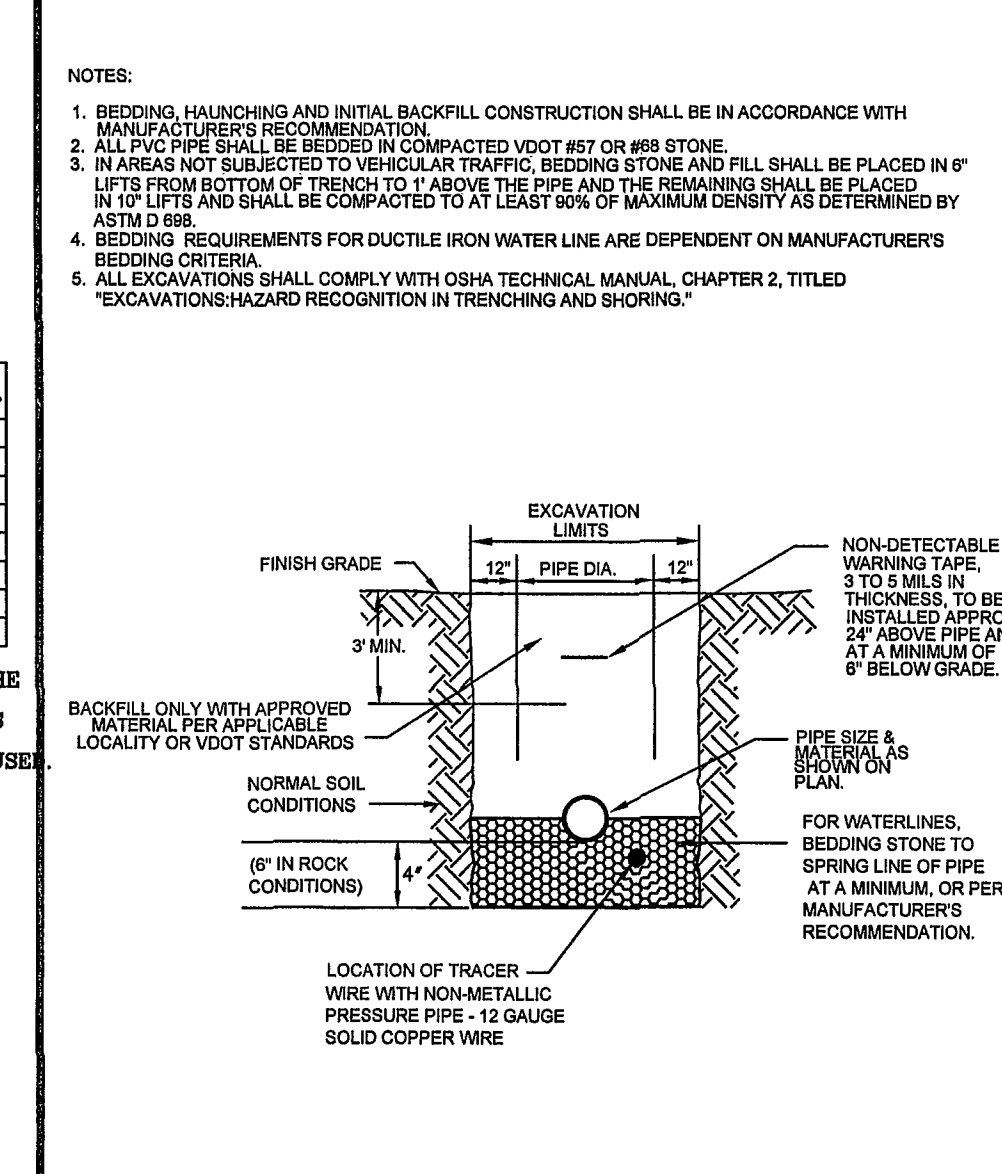


WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-18
07/01/04	FIRE HYDRANT ASSEMBLY	
03/01/06		

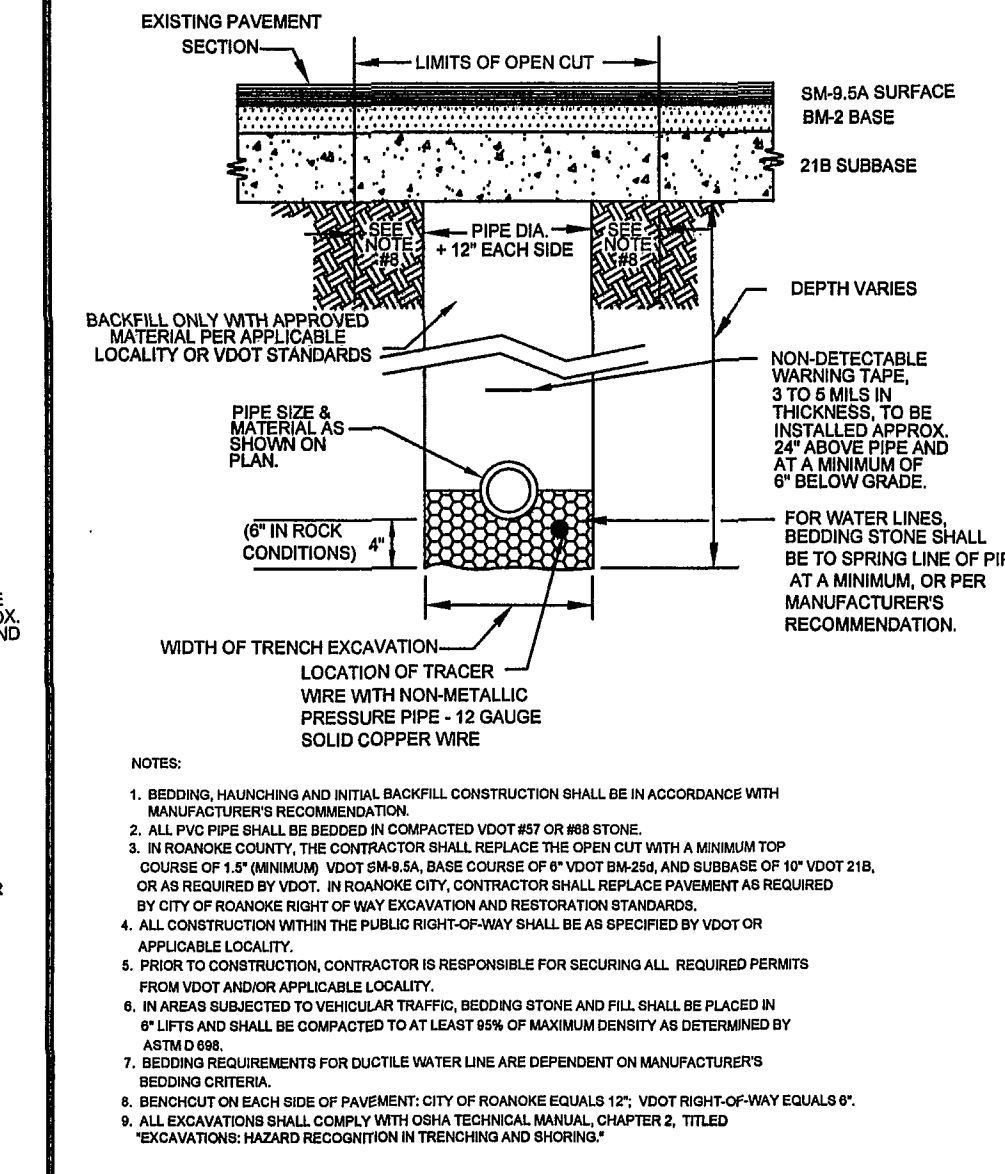


WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-19
07/01/04	THRUST BLOCK CONSTRUCTION	
03/01/06		

WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-20
07/01/04	THRUST RESTRAINT OF PIPE JOINTS DESIGN LENGTHS	
03/01/06		



WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-24
07/01/04	BEDDING AND BACKFILL OUTSIDE OF PAVED AREAS	
03/01/06		



WESTERN VIRGINIA WATER AUTHORITY -- CONSTRUCTION STANDARDS		
REVISION DATE	DESCRIPTION	W-25
07/01/04	BEDDING AND BACKFILL UNDER PAVEMENT AND RIGHT-OF-WAY	
03/01/06		

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THOMAS C. DALE
No. 033002
Professional Engineer

**WATER AND
SANITARY SEWER
DETAILS**

KESWICK COURT
PREPARED FOR
FRALIN & WALDRON, INC.
HOLLIS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISIONS		DATE		DESCRIPTION	
NO.	DATE	NO.	DATE	NO.	DATE
1		2		3	
4		5		6	

DATE: June 8, 2006
SCALE: NONE
COMMISSION NO: 2004-375
SHEET 11 OF 12