



NOTES:

1. VAULT FOR BACKFLOW PROTECTION ASSEMBLY SHALL BE A WATERTIGHT, REINFORCED CONCRETE ENCLOSURE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. THE STRUCTURE SHALL BE EQUIPPED WITH A DOUBLE-LEAF, ALUMINUM HATCH PER STD. NO. 5.26; AN APPROVED LADDER OR SET OF WALL-MOUNTED STEPS; AND A GRAVITY DRAIN TO A SUMP PUMP WITH FORCE MAIN POWER SUPPLY. NOTE: REDUCE PRESSURE PRINCIPLE TYPE ASSEMBLIES MUST BE GRAVITY DRAIN TO ABOVE GROUND. THE HATCH SHALL BE PLACED OUTSIDE OF PAVED OR VEHICLE TRAVEL AREA. THE EASEMENT OF RIGHT OF WAY SHALL AS APPROVED BY THE CITY ENGINEER.
2. IF WET TAPS ARE TO BE FORMED ON EXISTING CONNECTIONS, SHALL BE FULLY BODIED, SOLID IRON OR STEEL WITH SLEEVE PER SECTION T-4.0.
3. BACKFLOW PREVENTER ASSEMBLY SHALL BE EITHER DOUBLE CHECK VALVE OR REDUCED PRESSURE PRINCIPLE TYPE DEPENDING ON DEGREE OF HAZARD FOR EXPOSED INSTALLATION. BACKFLOW PREVENTER SHALL BE INSTALLED IN CONFORMANCE WITH AWWA C 500 (DOUBLE CHECK) OR AWWA C 511 (REDUCED PRESSURE) AND SHALL BE APPROVED BY THE FOUNDATION FOR CROSS CONNECTION CONTROL AND RESEARCH, UNIV. OF SOUTHERN CALIFORNIA AND NCDENR, DIVISION OF ENVIRONMENTAL HEALTH.
4. PLAN SHALL BE SUBMITTED IN TRIPLICATE TO THE CITY ENGINEER PRIOR TO CONSTRUCTION.
5. ALL VALVES AND FITTINGS SHALL BE SUPPORTED ON MASONRY PIERS OR APPROVED ALTERNATES AND SHALL BE ELEVATED A MINIMUM OF ONE FOOT ABOVE THE VAULT FLOOR.
6. METERS SHALL READ IN CUBIC FEET.
7. FIRE LINES SHALL BE DESIGNED TO MAINTAIN A MINIMUM, RESIDUAL PRESSURE OF 20 PSI ON THE SUPPLY SIDE OF THE VAULT DURING OPERATION.
8. A MINIMUM OF THREE FEET OF COVER SHALL BE MAINTAINED OVER FIRE LINES AND SERVICES.

OBSOLETE

FIRE LINE BACKFLOW PREVENTER VAULT

REVISIONS		
NO	DATE	DESCRIPTION

CITY OF ROCKY MOUNT  
DEPT. OF ENGINEERING

APPROVED —
DATE 07-13-01

STD. NO. 5.25
REVISION —