



MATERIAL LIST:

- ① UL-FM LISTED SOFT SEATED WASHINGTON ST APPROVED DOUBLE CHECK DETECTOR VALVE ASSEMBLY WHICH MUST BE INSTALLED IN THE SAME ORIENTATION FOR WHICH IT WAS APPROVED. ASSEMBLY TO INCLUDE: TEST COCKS, 3/4" BRASS OR COPPER BYPASS WITH IN-LINE VALVES AND A 5/8" REMOTE METER. METER TO READ IN CUBIC FEET, AND BE REMOTED TO AN EXTERNAL WALL OF BUILDING METER BOX.
- ② UNI-FLANGE WITH SET SCREWS OR MJ x FL ADAPTER WITH MEGALUG OR GALVANIZED SHACKLE TO MAIN WITH TWO 3/4" RODS, OR MJ RETAINER GLANDS FOR BOTH UPSTREAM AND DOWNSTREAM OF ASSEMBLY.
- ③ DUCTILE IRON PIPE (SIZED AS REQUIRED) CLASS 52.
- ④ TWO GALVANIZED ADJUSTABLE PIPE SUPPORTS FOR 2-1/2" DIAMETER AND LARGER PIPE.
- ⑤ A 4" MINIMUM FLOOR DRAIN OR WALL FOOTING DRAIN MUST BE PROVIDED IN THE SAME ROOM.
- ⑥ FLUSHING CAPABILITIES MUST BE PROVIDED WITH A 2" FLUSHING LINE DOWNSTREAM OF ASSEMBLY TO OUTSIDE OR AN APPROVED INTERNAL DRAIN.
- ⑦ WHERE ASSEMBLY IS TO BE LOCATED ABOVE EXTERNAL GROUND LEVEL, ALL BENDS REQUIRED TO LOWER INLET PIPE (TO PROVIDE REQUIRED EXTERNAL GROUND COVER) SHALL BE FLANGE FITTINGS OR BE WITH HORIZONTAL AND VERTICAL THRUST RESTRAINTS.
- ⑧ ALL WALL PENETRATIONS SHALL BE SEALED PER THE CURRENT BUILDING CODE.

NOTES:

- 1. TEE AND GATE VALVE REQUIRED AT WATER MAIN.
- 2. ASSEMBLY REQUIRES CERTIFICATION UPON INSTALLATION, AND RECERTIFICATION ANNUALLY AT OWNER'S EXPENSE.
- 3. TEST COCKS ARE REQUIRED TO BE PLUGGED.
- 4. MAXIMUM HEIGHT OF ASSEMBLY FROM FLOOR IS FIVE FEET UNLESS AN OSHA APPROVED PLATFORM IS PROVIDED.
- 5. ALL DIMENSIONS ARE MINIMUM CLEARANCE REQUIREMENTS.
- 6. FIRE DEPARTMENT PUMPER CONNECTION MUST BE DOWNSTREAM OF ASSEMBLY.
- 7. NEITHER OS & Y VALVE CAN BE USED AS A POST INDICATOR VALVE (THESE ARE ONLY PART OF THE BACKFLOW ASSEMBLY).
- 8. THE ROOM SHOULD BE INSULATED PER THE CURRENT BUILDING CODE AND HEATED TO ABOVE FREEZING. ONLY CONSTRUCTION MATERIALS THAT CAN WITHSTAND OCCASIONAL SUBMERGENCE WILL BE ALLOWED.



APPROVED BY	L. OLIVE
DATE	07/31/2008
REF STAD SPEC	

DEPARTMENT OF PUBLIC WORKS
STANDARD DETAILS
DOUBLE CHECK DETECTOR ASSEMBLY-INSIDE
(DCDA) 2-1/2" AND LARGER SERVICES

STANDARD DETAIL
NUMBER
W-120