



**LEGEND**

- ① CURRENT STATE AND CITY APPROVED BACKFLOW ASSEMBLY INCLUDING: 2-0.S.& Y RESILIENT SEATED GATE VALVES. VALVES.
- ② UNI-FLANGE WITH SET SCREWS OR MJ x FL ADAPTOR WITH MEGALUG OR GALVANIZED SHACKLE TO MAIN WITH 2-3/4" RODS, OR MJ RETAINER GLANDS.
- ③ PRECAST TRAFFIC RATED CONCRETE VAULT WITH STEEL ACCESS HATCH (AS MANUFACTURED BY UTILITY VAULT CO OR AN APPROVED EQUAL). PROVIDE OSHA APPROVED HOT DIPPED GALVANIZED STEEL LADDER. INSTALL IN SUCH A WAY THAT VAULT ACCESS DOES NOT INTERFERE WITH INSTALLED EQUIPMENT MAINTENANCE.
- ④ DUCTILE IRON PIPE (SIZED AS REQUIRED) CLASS 52.
- ⑤ WATER TIGHT GROUT SHALL BE USED IN ALL VAULT PENETRATIONS.
- ⑥ 2 - GALVANIZED ADJUSTABLE PIPE SUPPORTS FOR 2 1/2" DIAM AND LARGER PIPE.
- ⑦ GRAVEL FOUNDATION AS REQUIRED.
- ⑧ DRAIN, SLOPE TO DAYLIGHT WHEN POSSIBLE OR WORKING SUMP PUMP.

**NOTES**

- 1. TEE AND GATE VALVE REQUIRED ON MAIN.
- 2. SINGLE CHECKS ARE NOT APPROVED BACKFLOW PREVENTION DEVICES.
- 3. ASSEMBLY REQUIRES CERTIFICATION UPON INSTALLATION AND RECERTIFICATION ANNUALLY.
- 4. TEST COCKS ARE REQUIRED TO BE PLUGGED IF ASSEMBLY IS INSTALLED UNDERGROUND.
- 5. MAXIMUM HEIGHT OF ASSEMBLY IS FIVE FEET UNLESS AN OSHA APPROVED PLATFORM IS PROVIDED.
- 6. MINIMUM INSIDE VAULT HEIGHT IS 78" FOR 3" SERVICE AND LARGER.
- 7. IF WATER METER IS INSTALLED INSIDE VAULT, IT SHALL BE INSTALLED SUCH THAT IT CAN BE READ WITHOUT ENTERING VAULT BY MEANS OF A TOUCH READ ADAPTER.
- 8. ALL DIMENSIONS ARE MINIMUM CLEARANCE REQUIREMENTS.
- 9. IF A DETECTOR CHECK OR BYPASS IS INSTALLED, IT MUST HAVE A SIMILAR TYPE OF BACKFLOW DEVICE AND ALL CLEARANCES MUST BE MAINTAINED.



3" AND LARGER BELOW GROUND  
REDUCED PRESSURE BACKFLOW (RPBA)  
AND DOUBLE CHECK VALVE (DCVA)  
ASSEMBLIES

I:\Standard\_Plans

DRAWING NUMBER	STD5-14A
SCALE	NONE
REVISION DATE	04/14
DEPARTMENT	PW