



LEGEND

- ① DOUBLE-CHECK DETECTOR VALVE ASSEMBLY CAPABLE OF METERING WATER USAGE UNDER LOW FLOW CONDITIONS. 10.0 PSI HEAD LOSS AT 1600 GPM FOR 8" SIZE. ASSEMBLY TO BE STATE DOH APPROVED. SIZE AS SPECIFIED ON PLANS.
- ①A 2-CHECK VALVES, (FL)
- ①B 1-BY-PASS METER 5/8" X 3/4" NEPTUNE OR SENSUS CF READING METER COMPLETE WITH SPUD NUT.
- ①C 1-DOUBLE CHECK VALVE ASSEMBLY, 3/4" FOR 8" DDCV
- ①D 2-GATE VALVES, (FL) W/HAND WHEEL; RISING STEM, RESILIENT SEATED AS PER STATE REQUIREMENTS.
- ①E 2-GATE VALVES, (FL) W/HAND WHEEL; RISING STEM, RESILIENT SEATED AS PER STATE REQUIREMENTS.
- ② 2-FLANGED COUPLING ADAPTER, SIZE AS SPECIFIED ON PLANS. (LOCATE MINIMUM 6" FROM INNER WALL).
- ③ 2-PIPE SPOOLS, PLAIN END. SAME SIZE AS SPECIFIED ON PLANS.
- ④ 1-REDUCER (MJ X MJ), IF REQUIRED. SIZE AS SPECIFIED ON PIPE SUPPORT PLANS.
- ⑤ WATER MAIN CL50, SIZE AS SPECIFIED ON PLANS.
- ⑥ SEE W9 FOR LADDER SPECIFICATIONS.
- ⑦ SEE W9 FOR VAULT AND PIPE RESTRAINT SYSTEMS SPECIFICATIONS.
- ⑧ PROVIDE GRINNELL PIPE SUPPORTS, TO INCLUDE STEEL YOKE, BOLT TO VAULT FLOOR USING RECOMMENDED CONNECTION AND SIZES.

MIN. VAULT SIZES:

4"	5106 LA	--	5'-0"	X	10'-6"	X	6'-3"	HIGH
6"	5106 LA	--	5'-0"	X	10'-6"	X	6'-3"	HIGH
8"	612 LA	--	6'-0"	X	12'-0"	X	6'-6 1/2"	HIGH
10"	612 LA	--	6'-0"	X	12'-0"	X	6'-6 1/2"	HIGH

NOTES:

- 1. PAINT ALL PIPING WITH PARKER PAINT MARINE ENAMEL, MARATHON 1065 TAHOE BLUE (OR EQUIVALENT).
- 2. PROVIDE GRINNELL PIPE SUPPORTS, WHERE REQUIRED (3 MINIMUM).

Approved:

City Engineer

June 17, 2005

Date

WATER STANDARD DETAIL



Dwg No:

W17

DOUBLE-CHECK DETECTOR WITH FIRE CONNECTION