



**NOTES:**

1. CONNECT VAULT DRAIN TO CLOSED STORM SYSTEM, DAYLIGHT AT APPROVED LOCATION OR INSTALL HYDROMATIC PUMP (GC SYSTEMS MODEL #996633-51-2 W/ FLOAT SWITCH, OR APPROVED EQUAL, DOH APPROVED BACKFLOW PREVENTION DEVICE REQUIRED). PUMP DISCHARGE MUST DRAIN TO A CATCH BASIN OR OTHER APPROVED LOCATION, SEE DETAIL W18 FOR MORE INFORMATION ON PUMP DISCHARGE.
2. THE VAULT SHALL BE A PRECAST CONCRETE VAULT SIZED TO MEET THE CLEARANCE REQUIREMENTS SHOWN ON DETAILS W12, W17, AND W18.
3. REMOVABLE DOORS SHALL BE A MINIMUM OF 6'-0" X 3'-0" ALUMINUM DIAMOND PLATE HINGED LOCKING DOORS, WITH HINGES LOCATED AT EACH END OF OPENING. DOORS SHALL BE SPRING LOADED WITH OPEN POSITION LOCK. IN TRAFFIC AREAS, USE ROUND SOLID ALUMINUM LOCK LIDS, H20 TRAFFIC RATED (30-INCH MINIMUM RADIUS AND MAXIMUM 16-INCH RISER SECTION).
4. A GALVANIZED STEEL OR ALUMINUM LADDER SHALL BE SET INSIDE THE VAULT FOR ACCESS. IT SHALL BE SECURED TO THE VAULT WITH 1/2" DIA BOLTS EPOXIED TO THE VAULT LID AND FLOOR.
5. A BILCO LADDER SAFETY POST MODEL #2 SHALL BE ATTACHED TO THE LADDER STEPS.
6. ALL VAULT PENETRATIONS SHALL BE MECHANICALLY SEALED.
7. COAT INTERIOR WALLS, DI PIPE, FITTINGS AND STEEL FASTENERS W/ POLYIMIDE EPOXY PAINT, 2 COATS AT 5 DRY MILS EACH. COLORS: OFF WHITE FOR WALLS AND BONNEY LAKE 8610-14514 T/M WATER BLUE FOR PIPE. PIPE SHALL BE EMPTY DURING COATING.
8. COAT VAULT EXTERIOR WITH 20 MIL COAL TAR EPOXY.

Approved:  March 16, 2018  
 City Engineer Date

**WATER STANDARD DETAIL**



Dwg No:

**W9**

**WATER SYSTEM  
VAULT**