



**KEYNOTES:**

A. SHALL BE INSTALLED IN METER AND REGULATOR VAULTS ONLY

**NOTES:**

1. FOLLOW MANUFACTURERS INSTRUCTIONS FOR INSTALLATION OF SUMP PUMP ASSEMBLY.
2. INSTALL CHANNEL STRUT WITHIN 6" OF EACH END OF HYDRAULIC SUMP PUMP ASSEMBLY. STACK AND BOLT CHANNEL STRUT, PER STRUT MANUFACTURERS RECOMMENDATION, TO SPACE HYDRAULIC SUMP PUMP ASSEMBLY OFF OF VAULT WALL TO ALLOW 2" CLEARANCE IN ALL DIRECTIONS AROUND FLOAT.
3. LOCATE SUMP PUMP SUCTION INLET 3"-6" FROM VAULT FLOOR.
4. ALLOW ADEQUATE ROOM FOR TESTING OF DOUBLE CHECK VALVE ASSEMBLY.
5. THIS DETAIL IS SCHEMATIC IN NATURE, ACTUAL PIPING CONFIGURATION MUST BE APPROVED BY TVWD INSPECTION STAFF PRIOR TO CONSTRUCTION.
6. TAP SHALL BE UPSTREAM OF METER.
7. CONNECT SUMP PUMP INSTALL 1" COPPER TO MIPT, 1" UNION, 1" X 3/4" BRASS BUSHING, AND 3/4" CLOSE BRASS NIPPLE.
8. REFER TO DETAIL 702 FOR ADDITIONAL INSTALLATION DETAILS NOT SHOWN.
9. 18" MIN. DIAMETER PVC PIPE, PERFORATE FIRST 1'-0" AND WRAP PVC PIPE WITH FILTER FABRIC TO PREVENT INTRUSION OF ROCKS.
10. PROVIDE SCHEDULE 40 PVC PIPING AND FITTINGS TO CONNECT BOTH THE SUCTION AND OUTLET OF THE SUMP PUMP.
11. BENDING OF COPPER TUBING IS PERMITTED. KINKS IN TUBING ARE NOT ALLOWED.



**TUALATIN VALLEY**  
WATER DISTRICT

DESIGNED: MBA

APPROVED: NWA

SCALE: NONE

**HYDRAULIC SUMP PUMP**

DATE: 9/2020

DETAIL

**703**