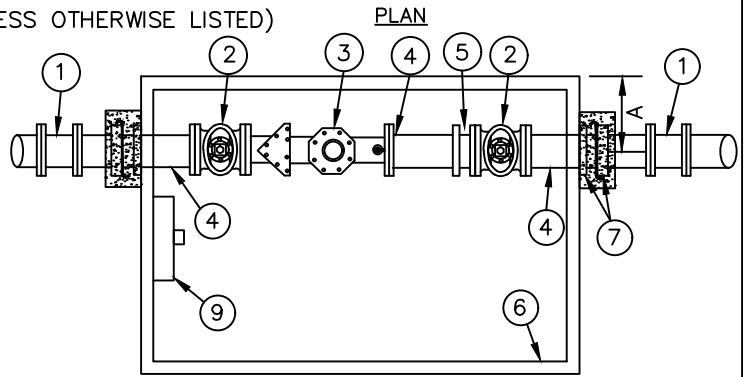
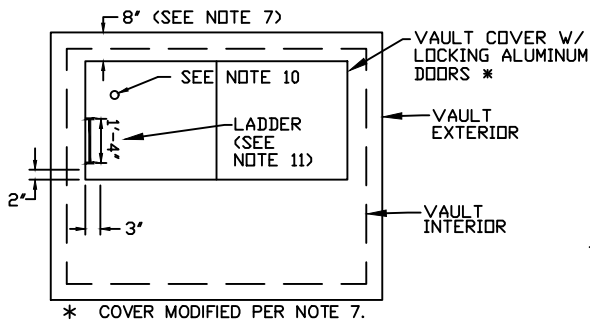


MATERIALS LIST- (ALL SIZES ARE SAME AS METER UNLESS OTHERWISE LISTED)

- ① 2-MECH. CPLG. TO FIT, EQUAL TO MJ SLEEVE OR ROMAC 501 (4"x3" REDUCER, M.J. FOR 3" METER INSTALLATION ON UPSTREAM SIDE OF VAULT).
- ② 2-GATE VALVE, FLANGE.
- ③ 1-SENSUS OMNI C2 METER WITH INTERNAL STRAINER WITH ELECTRONIC RESOLUTION (100'S OF CUBIC FEET) REGISTER.
- ④ 1-D.I. ADPT. FL.xPE. LENGTH TO FIT.
- ⑤ 1-CPLG. ADPT., FL. ROMAC - RESTRAINED FCA 501.
- ⑥ PRECAST CONC. VAULT BY OLDCASTLE PRECAST (577-LA. OR APPROVED EQUAL) WITH TWO DIAMOND PLATE DOORS RATED FOR H-30 LOADING W/ 8" OFFSET, SEE NOTE 7.
- ⑦ WELDED FL. RESTRAINT OR MEGALUG MID-SPAN RESTRAINT AND THRUST BLOCK ADJACENT TO VAULT STANDARD DETAIL W-56.
- ⑧ CONNECT THE FOLLOWING TO METER TEST PORT. 1-2" BRASS NIPPLE, M.I.P.T. x M.I.P.T. AND 2" F.I.P.T. x 2 1/2" M.N.S.T. PLUS CAP (2 1/2" M.N.S.T.), 6" LONG 1-2" BALL VALVE, F.I.P.T. X M.I.P.T. FORD B81-777, OR APPROVED EQUAL.
- ⑨ 1-GALVANIZED STEEL LADDER TO BE ATTACHED TO VAULT. SEE NOTE 11.
- ⑩ TR/PL SENSOR (TO MOUNT IN VAULT ACCESS DOOR).

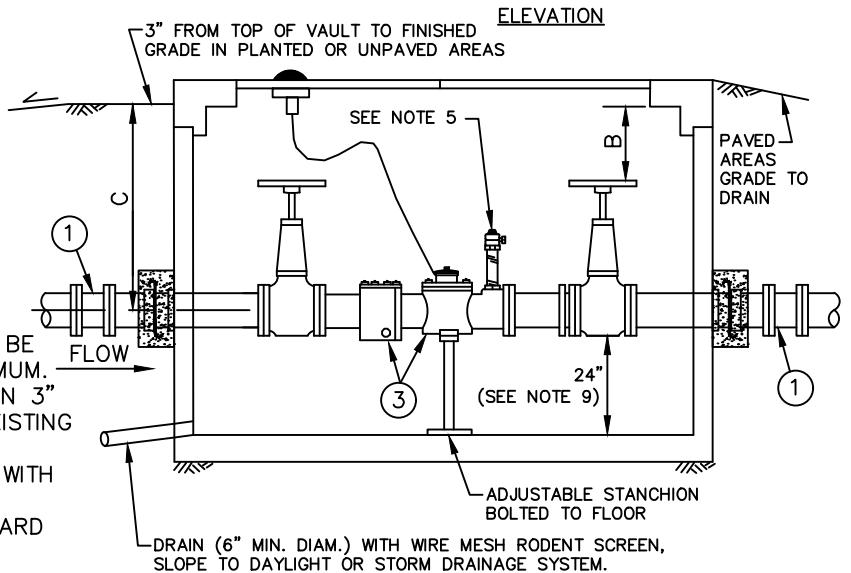


- 10. PROVIDE 24" CLEARANCE BETWEEN VAULT FLOOR & BOTTOM OF METER, WHERE ELEVATION OF VAULT FLOOR IS TOO LOW TO DRAIN TO DAYLIGHT OR STORM SYSTEM. THIS CLEARANCE CAN BE REDUCED TO A MINIMUM OF 12", IF SUBSTITUTION OF A SHORTER VAULT ALLOWS FLOOR TO DRAIN TO DAYLIGHT OR STORM SYSTEM (APPROVED BY THE UTILITY ON A CASE BY CASE BASIS ONLY.) SUBSTITUTE VAULT AS FOLLOWS: 575-LA WITH LW PRODUCTS HHD-48"x48" COVER, OR APPROVED EQUAL, (WITH SPECIAL OFFSET) ALLOWED ONLY ON 3" AND 4" METERS.
- 11. PROVIDE 2 1/4" DIAM. OPENING IN ALUMINUM HATCH DOOR FOR TR/PL SENSOR.
- 12. LADDER TO BE BOLTED TO VAULT FLOOR AND TO VAULT WALL AT THREE LOCATIONS. RUNGS SHALL BE SPACED AT 12" ON CENTER. LADDER SHALL INCLUDE BILCO MODEL LU-2 LADDER-UP, OR APPROVED EQUAL. SEE DETAIL 19.
- 13. A FULL FLOW BYPASS MAY BE REQUIRED, DEPENDING ON APPLICATION. TO BE DETERMINED BY THE CITY.



NOTES:

- 1. ALL MATERIALS INCLUDING METER SHALL BE FURNISHED BY CONTRACTOR.
- 2. ALL PIPE & FITTINGS 3" AND LARGER SHALL BE CEMENT LINED DUCTILE IRON, CLASS 52 MINIMUM.
- 3. PIPING FROM MAIN TO VAULT SHALL BE 4" ON 3" METER INSTALLATION. TEE WITH VALVE ON EXISTING MAIN REQUIRED.
- 4. VAULTS SHALL NOT BE INSTALLED IN AREAS WITH VEHICULAR TRAFFIC.
- 5. TEST PORT NOZZLE SHALL BE DIRECTED UPWARD UNLESS OTHERWISE DIRECTED, (SEE ITEM 8).
- 6. IN CENTRAL BUSINESS DISTRICT, CONNECT TO WATER MAIN WITH 8" PIPE. SUBSTITUTE 8" X SERVICE SIZE REDUCER, MJ, FOR ITEM 1 ON UPSTREAM SIDE OF VAULT.
- 7. VAULT COVER SHALL INCLUDE 2 LOCKING ALUMINUM HATCH DOORS WITH SLIP RESISTANT TREATMENT PER SECTION W4-17 OF THE ENGINEERING STANDARDS. DOORS SHALL BE CAST IN COVER WITH 8" SPECIAL OFFSET FROM VAULT WALL, AS SHOWN. COVER TO READ "WATER".
- 8. MINIMUM 2' OF LEVEL, UNOBSTRUCTED AREA AROUND HATCHES.
- 9. VAULT SHALL HAVE COAL TAR COATING OF 5 TO 9 MILS APPLIED TO THE EXTERIOR.



METER SIZE	SERVICE LINE	CORP. STOP FOR METER TESTING SIZE	MINIMUM CLEARANCES			
			A	B	C	D
3"	4"D.I.	2"	10"	6"	2'-8"	9"
4"	4"D.I.	2"	12"	6"	2'-8"	9"
6"	6"D.I.	2"	13"	6"	3'-2"	6"



City of Bellevue

WATER UTILITY

TITLE

3" TO 6" IRRIGATION METER INSTALLATION