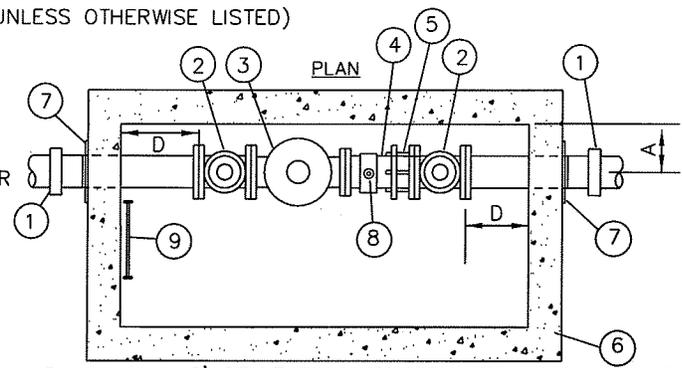


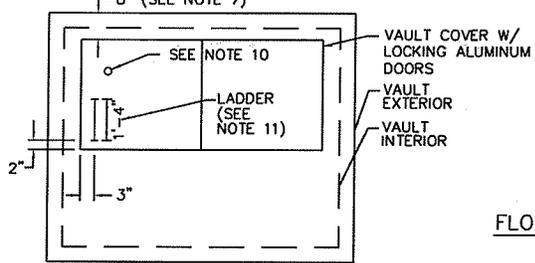
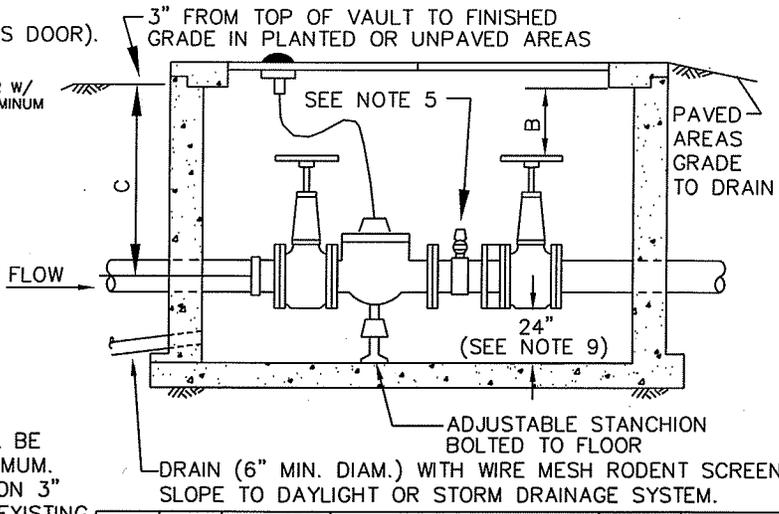
MATERIALS LIST- (ALL SIZES ARE SAME AS METER UNLESS OTHERWISE LISTED)

- ① 2-MECH. CPLG. TO FIT, EQUAL TO ROMAC 501 (4"x3" REDUCER, M.J. FOR 3" METER INSTALLATION ON UPSTREAM SIDE OF VAULT).
- ② 2-GATE VALVE, FLANGE.
- ③ 1- SENSUS TURBO METER WITH ELECTRONIC REGISTER (SENSUS TR/PL MODEL WITH 4 WHEEL HIGH RESOLUTION (100'S OF CUBIC FEET FOR 3" METER, 500 CUBIC FEET FOR 4-6" METER) REGISTER. 3" SIZE-MODEL W-350 DRS. 4" SIZE-MODEL W-1000 DRS. 6" SIZE-MODEL W-2000 DR (INCLUDES AWWA STRAINER TO BE INSTALLED ON UPSTREAM END OF METER).
- ④ 1-D.I. ADPT. FL.xPE. LENGTH TO FIT.
- ⑤ 1-CPLG. ADPT., FL. EQUAL TO SMITH-BLAIR 912.
- ⑥ PRECAST CONC. VAULT BY UTILITY VAULT CO. (SEE TABLE FOR MODEL NO.) WITH TWO DIAMOND PLATE DOORS RATED FOR HS-25 LOADING, WELDED FL. RESTRAINT OR MEGALUG MID-SPAN RESTRAINT AND THRUST BLOCK ADJACENT TO VAULT DETAIL W-56.
- ⑦ FOR 6" METER: 1-SERVICE SADDLE, ROMAC 202S OR EQUAL. 1-CORP. STOP, AWWA TAPPER (CC) 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.) FORD FB400 OR EQUAL (SEE TABLE FOR SIZE). FOR 3" OR 4" METER: OMIT SADDLE AND CORP. STOP, 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
- ⑧ 1-GALVANIZED STEEL LADDER TO BE ATTACHED TO VAULT.
- ⑩ TR/PL SENSOR (TO MOUNT IN VAULT ACCESS DOOR). 8" (SEE NOTE 7)



8. MINIMUM 2' OF LEVEL, UNOBSTRUCTED AREA AROUND HATCHES.
9. 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 577L-2-332P COVER (WITH SPECIAL OFFSET) ALLOWED ONLY ON 3" AND 4" METERS.
10. PROVIDE 2 1/4" DIAM. OPENING IN STEEL DOOR FOR TR/PL SENSOR.
11. 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. SEE DETAIL 19.
12. A FULL FLOW BYPASS MAY BE REQUIRED, DEPENDING ON APPLICATION. TO BE DETERMINED BY THE CITY.

SECTION



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 LW TYPE HATCH DOORS (PART NO. HDD-48"x48") WITH LIGHT BLAST 5086 SKID RESISTANCE APPLICATION. DOORS SHALL BE CAST IN COVER WITH 8" SPECIAL OFFSET FROM VAULT WALL AS SHOWN.

METER SIZE	MAIN-LINE	CORP. STOP FOR METER TESTING SIZE	MINIMUM CLEARANCES				VAULT MODEL	VAULT COVER (W/ SPECIAL OFFSET) *
			A	B	C	D		
3"	4"D.I.	1 1/2"	10"	6"	2'-8"	9"	577-LA	577L-2-332P
4"	4"D.I.	2"	12"	6"	2'-8"	9"	577-LA	
6"	6"D.I.	2"	13"	6"	3'-2"	6"	577-LA	

* COVER MODIFIED PER NOTE 7.



City of Bellevue

WATER UTILITY

TITLE

3" TO 6" IRRIGATION METER INSTALLATION