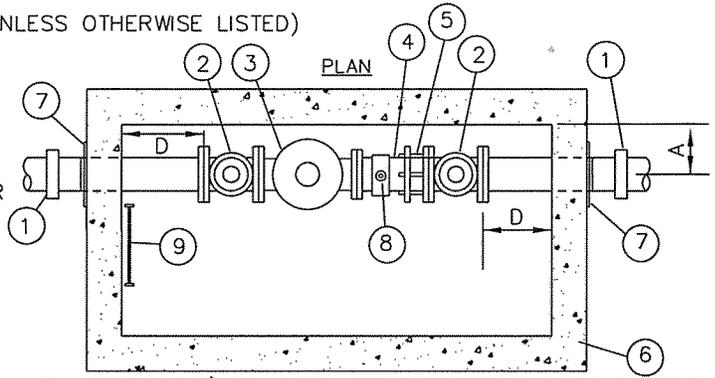


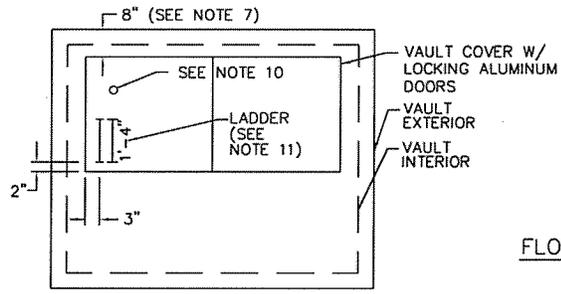
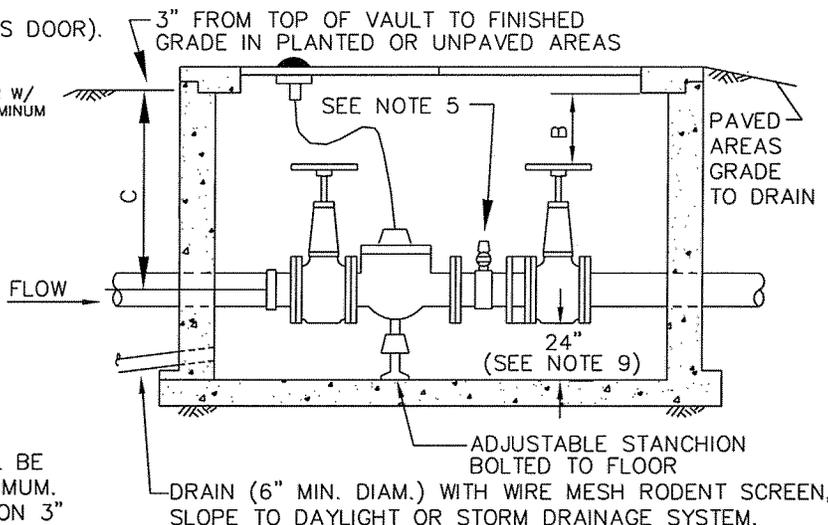
MATERIALS LIST- (ALL SIZES ARE SAME AS METER UNLESS OTHERWISE LISTED)

- 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 WALL RING.
- 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.
- ⑨ TR/PL SENSOR (TO MOUNT IN VAULT ACCESS DOOR).



- 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 57TL-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, M.J. 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	57TL-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