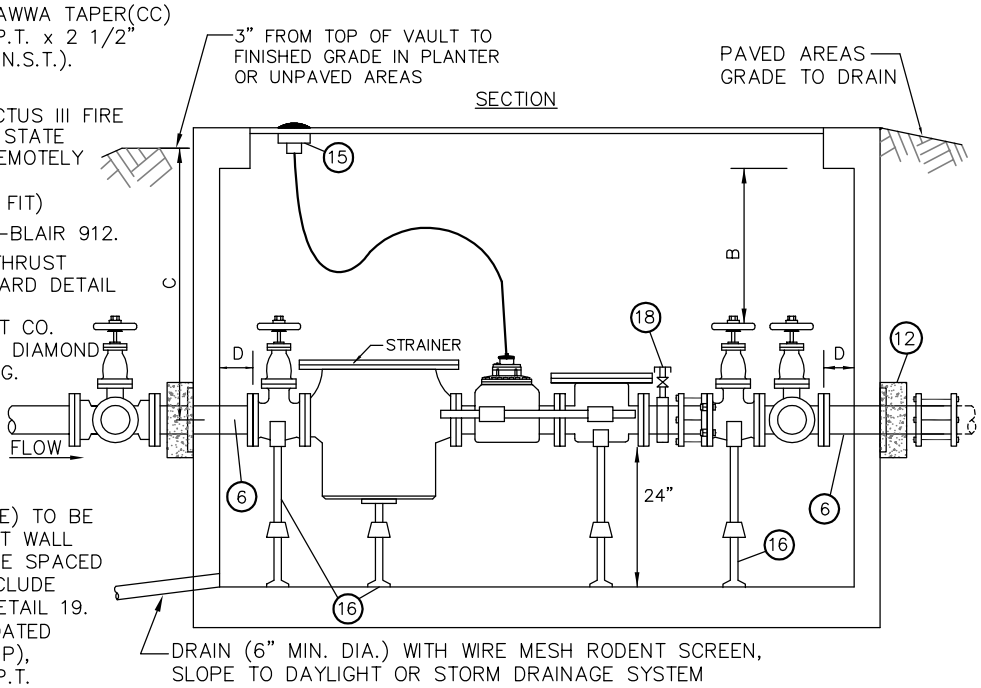
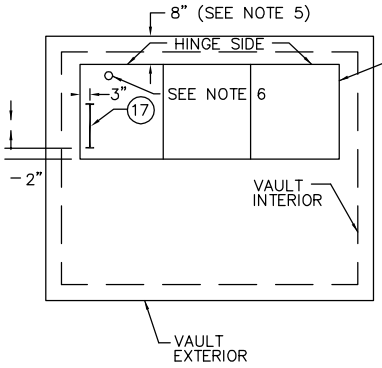
MATERIALS LIST – (ALL SIZES ARE SAME AS METER UNLESS OTHERWISE LISTED)

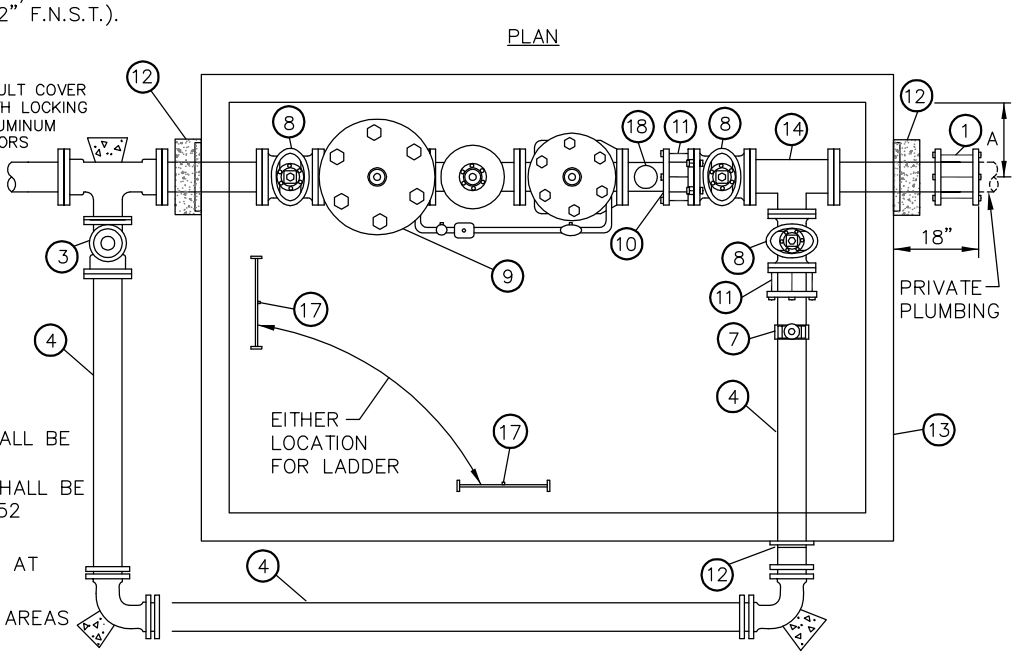
1. 1–MECH CPLG. TO FIT, EQUAL TO ROMAC 501
2. 1–TEE, M.J. x FL.
3. 1–GATE VALVE, F.L.x M.J. (W/VALVE BOX & COVER)
4. 3–D.I. PIPE, P.E., LENGTH AS REQUIRED
5. 2–90° BEND, M.J.
6. 2–D.I. PIPE, P.E.xFL., LENGTH AS REQUIRED.
7. 1–EPOXY OR NYLON COATED SERVICE SADDLE, FORD FC202 OR FCD202 OR EQUAL (TAP POINTED UP AT 12–O'CLOCK). 1–CORPORATION STOP, AWWA TAPER(CC) x M.I.P.T. FORD FB1000–7, WITH 2" F.I.P.T. x 2 1/2" M.N.S.T. ADAPTER PLUS CAP (2 1/2" F.N.S.T.).
8. 3–GATE VALVE, FL.
9. 1–NEPTUNE HIGH PERFORMANCE PROTECTUS III FIRE SERVICE METER WITH "E–CODER" SOLID STATE ABSOLUTE ENCODER REGISTERS THAT REMOTELY READ IN 100 CUBIC FOOT INCREMENTS.
10. 1–D.I. ADAPTER FL. x P.E., (LENGTH TO FIT)
11. 2–FLxCPLG. ADAPTER, EQUAL TO SMITH–BLAIR 912.
12. MEGA–LUG MID–SPAN RESTRAINT AND THRUST BLOCK ADJACENT TO VAULT SEE STANDARD DETAIL W–56.
13. PRECAST CONC. VAULT BY UTLITY VAULT CO. (SEE TABLE FOR MODEL NO.) W/ THREE DIAMOND PLATE DOORS RATED FOR H–30 LOADING.
14. 1–TEE, FL.
15. SENSOR (TO MOUNT IN VAULT ACCESS DOOR.)
16. 4–ADJUSTABLE STANCHIONS BOLTED TO FLOOR.
17. 1–GALVANIZED STEEL LADDER (1'–4"WIDE) 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.
18. 2" TEST PORT, 2" EPOXY OR NYLON COATED SERVICE SADDLE, ROMAC 202NS (TOP UP), 2"–CD12PSTUP AWWA TAPER(CC) x M.I.P.T. FORD FB400–7 WITH 2" F.I.P.T. x 2 1/2" M.N.S.T. ADAPTOR PLUS CAP (2–1/2" F.N.S.T.).

METER SIZE	MAIN–LINE	BYPASS	CORP STOP FOR FLUSH PORT–SIZE	MIN. CLEARANCES				VAULT MODEL	VAULT COVER * (W/SPECIAL OFFSET)
				A	B	C	D		
8"	8"D.I.	8" D.I.	2"	21"	6"	5'–0"	6"	712–LA	712TL–3–332P

* COVER MODIFIED PER NOTE 5.







NOTES:

1. ALL MATERIALS, INCLUDING METER SHALL BE FURNISHED BY CONTRACTOR.
2. ALL PIPE & FITTINGS 3" & LARGER SHALL BE CEMENT LINED DUCTILE IRON, CLASS 52 MINIMUM.
3. TEE WITH (3) GATE VALVES REQUIRED AT DISTRIBUTION MAIN.
4. VAULTS SHALL NOT BE INSTALLED IN AREAS W/VEHICULAR TRAFFIC.
5. VAULT COVER SHALL INCLUDE 3 LOCKING ALUMINUM LW HATCH DOORS (PART NO. HHS–42"x42") 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".
6. PROVIDE 2 1/4" DIAM. OPENING IN STEEL DOOR FOR SENSOR.
7. ALL FITTINGS OUTSIDE VAULT SHALL INCLUDE THRUST BLOCKING AND JOINT RESTRAINT DEVICES.
8. MINIMUM 2' OF LEVEL, UNOBSTRUCTED AREA AROUND HATCHES.

City of Bellevue

WATER UTILITY

TITLE

8" DOMESTIC METER INSTALLATION

NO. W–34

JANUARY 2014

NO SCALE