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.I. 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 REGISTER.
   RESOLUTION (100'S OF CUBIC FEET FOR 3" METER, 500 CUBIC FEET FOR 4-6" METER) REGISTER.
4. 1-D.I. ADPT., FL. X PE. LENGTH TO FIT.
5. 1-CPLG. ADPT., FL. ROMAC — FCA 501.
7. WELDED FL. RESTRAINT OR MEGALUG MID-SPAN RESTRAINT AND THUST BLOCK ADJACENT TO VAULT STANDARD DETAIL W-55.
9. 1-CALVANIZED STEEL LADDER TO BE ATTACHED TO VAULT, SEE NOTE 11.
10. TR/PL SENSOR (TO MOUNT IN VAULT ACCESS DOOR).

ELEVATION

3" FROM TOP OF VAULT TO FINISHED GRADE IN PLANTED OR UNPAVED AREAS

VAULT COVER W/ LOCKING ALUMINUM DOORS *

VAULT COVER W/ 6" TOP HATCH DOORS *

VAULT COVER W/ LOCKING LATCH DOORS *

VAULT EXTENSION

VAULT INTERIOR

* COVER MODIFIED PER NOTE 7.

FL. PAVEMENT

PAVED AREAS GRADE TO DRAIN

DRAIN (6" MIN. DIAM.) WITH WIRE MESH ROSETTE SCREEN, SLOPE TO DAYLIGHT OR DRAINAGE SYSTEM

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 ALLOW 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 (WITH SPECIAL OFFSET) ALLOWED ONLY ON 3" AND 4" METERS.
10. PROVIDE 2 1/4" DIAM. OPENING IN ALUMINUM HATCH 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.

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. SEE WITH VALVE ON EXITING 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.I. FOR ITEM 1 ON UPSTREAM SIDE OF VAULT.
7. VAULT COVER SHALL INCLUDE 2 LOOKING ALUMINUM LW HATCH DOORS (PART NO. HHD-48"x48") WITH SLIP RESISTANT TREATMENT FOR SECTION W-17 OF THE ENGINEERING STANDARDS. DOORS SHALL BE CAST IN COVER WITH 6" SPECIAL OFFSET FROM VAULT WALL, AS SHOWN. COVER TO READ "WATER".

City of Bellevue
WATER UTILITY

3" TO 6" IRRIGATION METER INSTALLATION

JANUARY 2012
NO SCALE

METER SIZE MAIN LINE CORP. STOP FOR MAIN LINE A B C D
3" 4" D.I. 2" 10" 6" 2"-6" 9" 9"
4" 4" D.I. 2" 12" 6" 2"-6" 9" 9"
6" 6" D.I. 2" 13" 6" 3"-6" 6" 6"