

**PRE-CAST CONCRETE UNDERGROUND VAULT EQUAL TO UTILITY VAULT COMPANY VAULT AS SHOWN**

BASE SECTION 5106-BL WITH 2 INCH FLOOR DRAIN EQUAL TO OLYMPIC FOUNDRY NO. 3206 CAST IN SUMP WITH 2 INCH CAST IRON PIPE EXTENDING OUT MINIMUM 12 INCHES BEYOND WALL IN DIRECTION REQUIRED.  
 58 INCH SECTION 5106-ML.  
 TOP SECTION 5106-T24E WITH 24 INCH DIAMETER STANDARD OPENING AS SHOWN.  
 LADDER NO. 7 REBAR RUNGS, 5/16" X 1-3/4" FLAT BAR RISER, WITH PROVISIONS TO ANCHOR AT TOP AND BOTTOM WITH 1/2 INCH ROUND CADMIUM PLATED BOLTS. LADDER ASSEMBLY, HOT DIP GALVANIZED AFTER FABRICATION, EQUAL TO UTILITY VAULT COMPANY STANDARD LADDER.

**1-1/4" PRESSURE RELIEF ASSEMBLY**

INSTALL CROSS FOR PRESSURE GAGE ASSEMBLY AND 3/4" HOSE BIB.  
 INSTALL 1-1/4" PRESSURE RELIEF VALVE, SCREWED EQUAL TO CLA-VAL NO. 50G.  
 1-1/4" GALV. IRON PIPE TO OUTSIDE OF CHAMBER.  
 2" RISER WITH 2" OPEN PATTERN RETURN BEND WITH 2" GALV. IRON PIPE 6" LONG, P.E. X THREADED (SET BOTTOM OF PIPE MIN. OF 24" ABOVE FINISHED GRADE).  
 INSTALL MIN. OF 1 UNION INSIDE OF CHAMBER.  
 INSTALL 1-1/4" AND 2" GALV. IRON PIPE AND FITTINGS AS REQUIRED.

NOTE: LOCATION OF RISER SHALL BE DETERMINED IN FIELD BY THE ENGINEERS.

**PRESSURE GAGE ASSEMBLY**

INSTALL 1/4" TEE HAND COCK, MARSH TYPE 1900.  
 INSTALL 1/4" PIG TAIL SIPHON, MARSH TYPE 38.  
 ONE 4-1/2" PRESSURE GAGE, MARSH TYPE 1, 0 TO 200 PSI.  
 ONE 4-1/2" PRESSURE GAGE, MARSH TYPE 1, 0 TO 60 PSI.  
 INSTALL ADDITIONAL PIPE AND FITTINGS AS REQUIRED.

**PAINTING SCHEDULE**

CONCRETE EXTERIORS BELOW GRADE  
 SURFACE SHALL BE CLEAN AND DRY. PAINT WITH TWO COATS OF TNEMEC PRIMER SERIES 46-465 COAL TAR SOLUTION (OR EQUAL) 8.0 TO 10.0 MILS DFT.

CONCRETE INTERIORS  
 WALLS AND CEILINGS - TWO (2) COATS OF ICI DEVOE 4308-1000 WHITE  
 FLOORS - NONE.

METAL (EXCEPT FACTORY FINISH PAINTED EQUIPMENT)  
 ONE (1) SHOP COAT OF ICI DEVOE RUST BLOCK, 4100-7100 RED METAL PRIMER  
 TWO (2) COATS ICI DEVOE GROTTO BLUE D-104

**MATERIAL LIST**

ITEM	DESCRIPTION
1.	6" WALL PIPE, FL. X P.E., 3'-0" LONG INTEGRALLY CAST COLLAR AT CENTER.
2.	6" SEDIMENT SEPARATOR, FL., EQUAL TO CRANE NO. 989-1/2 WITH 1-1/2" CORPORATION STOP AND 1-1/2" GALV. IRON PIPING TO FLOOR DRAIN.
3.	6" X 6" X 3" TEE, FL., WITH 1/4" TAP FOR PRESSURE GAGE ASSEMBLY.
4.	TWO 6" GATE VALVES, FL., OS & Y WITH HAND WHEEL EQUAL TO IOWA LIST 14.
5.	6" PRESSURE REDUCING VALVE, FL., EQUAL TO CLA-VAL NO. 90G-01AB
6.	6" FLEXIBLE FLANGED COUPLING ADAPTER, EQUAL TO SMITH-BLAIR NO. 912-3-396.
7.	6" PIPE, FL. X P.E., 20-1/2" ± LONG (LENGTH TO FIT).
8.	TWO TIE RODS, 3/4" DIA. (LENGTH TO FIT).
9.	6" X 6" X 3" X 3" CROSS, FL.
10.	TWO 3" PIPE, FL. X FL., 15" LONG.
11.	TWO 3" 90° BASE BENDS, FL.
12.	TWO 3" GATE VALVES, FL., OS & Y WITH HAND WHEEL EQUAL TO IOWA LIST 14.
13.	TWO TIE RODS 5/8" DIA. (LENGTH TO FIT).
14.	3" PIPE, FL. X P.E., 3' - 2-1/2" + LONG (LENGTH TO FIT).
15.	3" FLEXIBLE FLANGED COUPLING ADAPTER EQUAL TO SMITH-BLAIR NO. 912-3-396.
16.	3" PRESSURE REDUCING VALVE, FL., EQUAL TO CLA-VAL NO. 90G-01AJ
17.	3" BLIND FLANGE, WITH 1-1/4" TAP, INSTALL 1-1/4" CORPORATION STOP TO MOUNT 1-1/4" PRESSURE RELIEF ASSEMBLY.
18.	6" WALL PIPE, FL. X P.E., 24" LONG.
19.	6" PIPE STANCHION SADDLE EQUAL TO GRINNELL FIGURE 259 AND 3" ADJUSTABLE PIPE SADDLE SUPPORT EQUAL TO GRINNELL FIGURE 264, COMPLETE WITH 2-1/2" AND 3" PIPING AND 2-1/2" X 3" REDUCER.

ALL 3" AND LARGER PIPE AND FITTINGS TO BE CAST IRON.

# PRESSURE REDUCING STATION NOTES

## WATER STANDARD DETAIL

### NORTHEAST SAMMAMISH SEWER AND WATER DISTRICT

FILE	SCALE	DATE
SAMDTW15	NTS	9/14/93