

PIPE SIZE	VAULT SIZES			
	CATALOG #	VAULT #	COVER #	BASE #
3" & 4"	575-LA	575-BL	57TL-30C	575-BL
6" & 8"	4484-LA	4484-ML	4484TL-30C	4484-BL
10"	5106-LA	5106-ML	5106TL-30C	5106-BL

GENERAL NOTES:

1. SHOP-COAT ALL INTERIOR METAL INCLUDING PIPE, FITTINGS AND PIPE STANDS WITH TWO COATS OF FARWEST, BLUE, QUICK-DRY ENAMEL, PART NO. 250-1-01-K-04 AS APPROVED BY THE ENGINEER. APPLY PER MANUFACTURERS INSTRUCTIONS. SAND BLAST TO REMOVE EXISTING COATINGS AND PAINT PRIOR TO INSTALLATION, THEN TOUCHUP AS REQUIRED.
2. THE ABOVE VAULT SIZES WERE SUPPLIED BY UTILITY VAULT CO. AS A REFERENCE FOR REQUIRED VAULT DIMENSIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
3. ALL ACCESS COVERS MUST BE MARKED "WATER", AND BE LOCKING, & TRAFFIC BEARING AS REQ'D BY DIST. & 1-3/4" HOLE - 9" OFF CENTER AND THREE (3) TAPPED 5/8" HOLES (SEE DWG. 19A). SQUARE HATCH MAY BE USED, SUBJECT TO APPROVAL BY DISTRICT.
4. CLASS 52 D.I. PIPE IS REQUIRED.
5. ALL BRASS FITTINGS SHALL CONFORM TO AWWA C800 (ALL BYPASS PARTS, PIPING).

MATERIAL LIST

- ① HATCH ————— CAST IRON MANHOLE OR GALV. STEEL HATCH IN TRAFFIC AREAS (SEE #3 ABOVE)
- ② LADDER RUNGS ——— 3/4" GALV. BAR AT 12" O.C. GROUTED OR FABRICATED GALV. STEEL LADDER SECURED AT TOP AND BOTTOM.
- ③ CONCRETE VAULT ——— SUBMIT DETAILS FOR APPROVAL. (SEE TABLE ABOVE)
- ④ DETECTOR ————— DOUBLE DETECTOR CHECK VALVE ASSEMBLY MUST BE APPROVED FOR INSTALLATION IN WASHINGTON STATE. TYPE SHALL BE APPROVED BY THE DISTRICT.
- ⑤ VALVE ————— TWO EACH, AWWA C515-01 (DUCTILE IRON BODY AND BONNET) AND AWWA C550-05:FLxMJ w/ RESTRAINTS OS&Y GATE VALVES w/ HANDWHEEL. MUST BE LOCATED INSIDE OF VAULT.
- ⑥ COUPLING ADAPTOR — TWO EACH, CAST IRON, (FLANGE BY MECHANICAL JOINT) COUPLING ADAPTORS W/RESTRAINTS.
- ⑦ FLOOR DRAIN ——— 4" PVC, SLOPED TO STORM SEWER OR DAYLIGHT TO DRAINAGE DITCH.
ALTERNATE: SUMP PUMP ALTERNATE MUST BE APPROVED BY THE DISTRICT AND WILL BE ALLOWED ONLY IF DAYLIGHT DRAIN MUST BE EXTENDED OVER 300 FEET.
- ⑧ PIPE STAND ——— 1" SCHEDULE 40 GALVANIZED PIPE STAND AND BASE BOLTED TO FLANGE.
- ⑨ WATER MAIN ——— CLASS 52 D.I. PIPE WITH RESTRAINED JOINTS.
- ⑩ WALL FLANGE ——— TWO EACH
- ⑪ METER ————— DETECTOR BYPASS METER MUST BE NEPTUNE MACH 10 REGISTERING IN CUBIC FEET

SEE SHEET 1 FOR ADDITIONAL DETAILS

SHEET 2 OF 2



DAVID EVANS
AND ASSOCIATES INC.

STANDARD DETAIL
DOUBLE DETECTOR CHECK
VALVE BACKFLOW PREVENTION
ASSEMBLY



KING COUNTY
WATER DISTRICT NO. 90

Rev. Date
11/12/21

DETAIL NO.

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