

SPECIFICATIONS

METER SIZE (IN)	4" METER	6" METER	8" METER	10" METER
INCOMING LINE SIZE	4"	6"	8"	10"
BY-PASS LINE SIZE**	4"	6"	8"	10"
OLDCASTLE VAULT NO. (OR APPROVED EQUAL)	687-WA (55" I.D.)*	687-WA (55" I.D.)*	810-WA (63" I.D.)*	810-WA (63" I.D.)*

** SMALLER BY-PASS LINE SIZE MAY BE APPROVED
UPON REQUEST TO WATER DIVISION.

NOTES:

1. TOP OF VAULT SHALL BE A MINIMUM OF 3" AND A MAXIMUM OF 5" ABOVE FINISH GRADE. SLOPE GROUND AWAY AT 1/4" PER FOOT TYPICAL. DO NOT BURY HATCH DRAIN.
2. CONCRETE BALLAST (3 CUBIC YARDS MINIMUM) IS A MINIMUM FIGURE ONLY – ENGINEER IS RESPONSIBLE TO ENSURE THAT ADEQUATE BALLAST IS PROVIDED TO PREVENT FLOATING OF VAULT.
3. INSTALL 4" DRAIN FROM BOTTOM OF VAULT FLOOR TO DAYLIGHT, TO AN APPROVED STORM SEWER SYSTEM OR PIPED OVER TO THE ACCOMPANYING BACKFLOW VAULT SUMP FOR SUMP PUMP DISCHARGE.
4. ALL VAULT WALL OPENINGS SHALL BE CORE DRILLED AND SEALED WITH NON-SHRINK GROUT.
5. SERVICE LINES SHALL BE MECHANICALLY RESTRAINED FROM MAINLINE THROUGH BACKFLOW ASSEMBLY.
6. ALL PIPING AND FITTINGS THROUGH VAULT SHALL BE LEVEL, A MINIMUM OF 12" ABOVE THE FLOOR OF VAULT. ALL PIPING AND FITTINGS THROUGH VAULT SHALL BE A MINIMUM OF 3' FROM TOP OF PIPE TO VAULT CEILING.
7. BURIED PIPING SHALL BE BACKFILLED AS DESCRIBED AND SHOWN IN DRAWING 313.
8. VAULT SHALL BE EQUIPPED WITH OSHA-APPROVED ALUMINUM EXTENSION LADDER. SEE DRAWING 420.
9. SEE DRAWING 419-2 PROFILE VIEW AND DRAWING 419-1 PLAN VIEW FOR ADDITIONAL REQUIREMENTS.
10. TRAFFIC RATED HATCH REQUIRED, WITH SPRING LOADED LIFT ASSIST.
11. *REDUCED INTERIOR DEPTH (I.D.)



Public Works Standard Drawings

**4" & LARGER WATER METER VAULT
(DETAIL NOTES)**

SCALE NTS

DATE JAN '23 REV.

ENGR. DW DRAWN KAE

DRAWING NO. 419-3