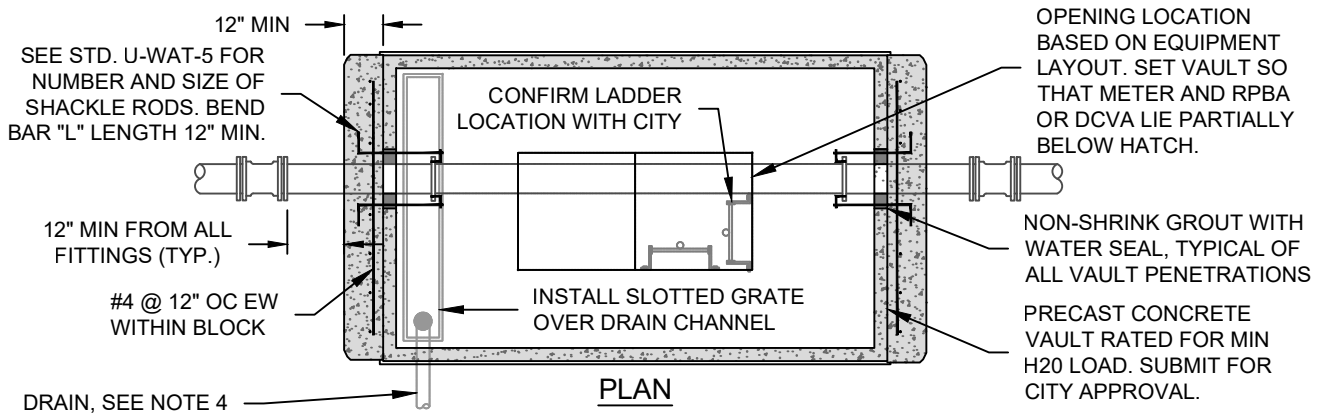

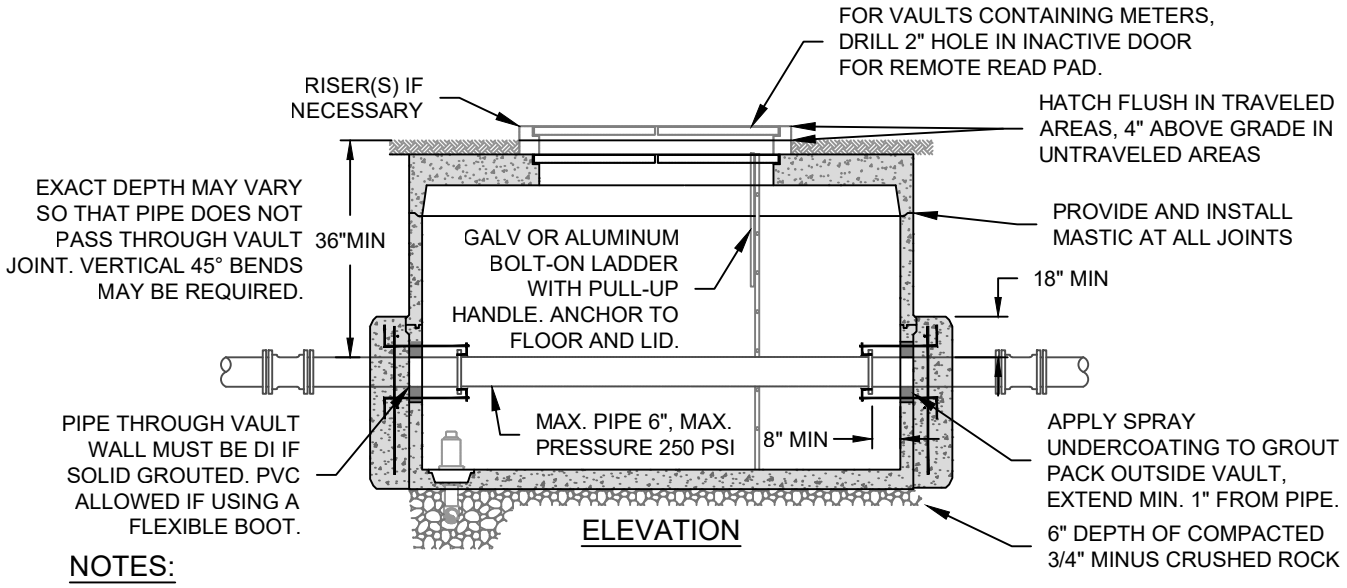

NOTES:

1. INSTALL PIPE CONTINUOUS THROUGH THE VAULT TO ENSURE ALIGNMENT. MORE THAN ONE STICK MAY BE NEEDED FOR LONG VAULTS, IN WHICH CASE LOCATE BELL APPROXIMATELY AT CENTER OF VAULT.
2. EXTERNAL CONCRETE BLOCKING SHALL BE INSTALLED AT THE DISCRETION OF THE CITY. INSTALL BLOCKS BEFORE INTERNAL PIPING IS CUT OUT. BLOCKING SHALL BE FORMED, NOT DIRECTLY POURED AGAINST DIRT WALLS. BLOCKING SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION.
3. ALL HATCHES 2'x2' OR LARGER SHALL BE HINGED, SPRING OR GAS SHOCK ASSIST OPENING, RECESSED PADLOCK HASP, DRAINAGE COLLECTION FRAME (U CHANNEL WITH PIPE CONNECTION), H20 RATED MINIMUM, ALUMINUM. IF HATCH WILL BE LOCATED IN A TRAVELED AREA (ROAD OR DRIVEWAY), 24" MANHOLE FRAME AND COVER MAY BE USED FOR ACCESS. HATCHES SHALL BE CAST INTO VAULT LID OR RISER. FRAME DRAIN PLUMBED THROUGH LID TO SURFACE IF LID IS AT LEAST 4" ABOVE GRADE. OTHERWISE, INSTALL 1" OR LARGER SCH 40 PVC PIPE AND FITTINGS FROM THE FRAME DRAIN, ROUTED NEATLY AND SECURED ALONG THE CEILING AND WALLS TO THE FLOOR.
4. DRAINS MUST BE PROVIDED FOR ALL BURIED VAULTS:
   - 4.1. FOR A NON-RPBA, THE DRAIN MAY GO TO DAYLIGHT OR A SUMP.
   - 4.2. FOR AN RPBA DEVICE, THE DRAIN MUST BE BORESIGHTED TO DAYLIGHT AND SIZED TO PASS THE DUMP-VALVE FLOW AS STATED BY THE MANUFACTURER'S DATA. MAXIMUM LENGTH OF DRAIN IS 20 FEET (CHAPTER 6 OF THE PNW-AWWA CCC MANUAL).
   - 4.3. PROVIDE SUMP PUMP IF VAULT CANNOT DRAIN TO DAYLIGHT. SUMP PUMP PIPING SHALL BE SCHEDULE 80 PVC. SIZE PUMP AND PIPING PER 4.2.
   - 4.4. DAYLIGHT DRAIN OUTLET MUST INCLUDE AIR GAP OF AT LEAST 2x DRAIN DIAMETER.
   - 4.5. DRAIN CHANNEL SHALL HAVE KNOCKOUTS FOR BOTH BOTTOM AND SIDE DRAINAGE.
5. CRACKED OR DAMAGED VAULTS WILL BE REJECTED AT THE DISCRETION OF THE CITY.
6. ALL VAULTS MUST BE SUBMITTED TO THE CITY FOR REVIEW. SUBMITTALS MUST INCLUDE DIMENSIONS, HATCH LAYOUT, AND HATCH MATERIALS.

LYNNWOOD WASHINGTON
PUBLIC WORKS

LARGE VAULTS

U-WAT-4-Large-Vaults.dwg

DRAWING NUMBER	U–WAT–4
SCALE	NONE
REVISION DATE	10/21
DEPARTMENT	PW