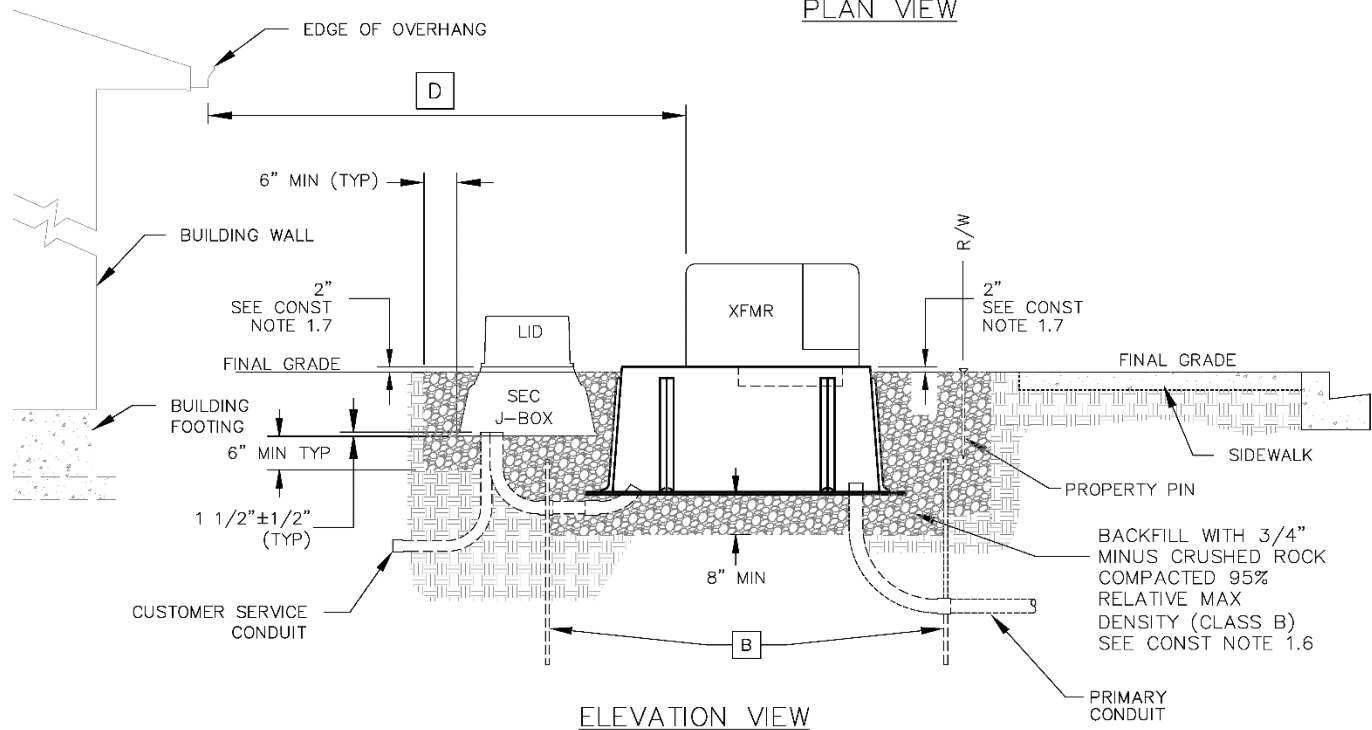


PLAN VIEW



ELEVATION VIEW

RESIDENTIAL PADMOUNT TRANSFORMER VAULT DETAILS
3'-6" X 3'-2" X 1'-8"

DISTRIBUTION CONSTRUCTION STANDARD EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON		
TYPICAL RESIDENTIAL PADMOUNT TRANSFORMER BOX DETAILS	Approved July 12, 2024 GC5-2.2600	REV 13
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1.0 CONSTRUCTION NOTES:

- 1.1 EWEB Standard GC5-2.2600 is the minimum requirements for a “Typical Residential Padmount Transformer Box Details”.
- 1.2 Install and center secondary box on the property line and to the property side as shown in the plan view.
- 1.3 The customer shall notify EWEB at least two working days prior to backfilling, EWEB will inspect all customer-installed substructures.
- 1.4 The exposed ends of all conduits shall be cut off square, edges chamfered and free from sharp edges and temporarily sealed to prevent rocks and other material from entering after mandreling. All conduits shall be bonded together with approved PVC cement.
- 1.5 Heating of PVC elbows or conduit for field bending is NOT allowed. All sweeps shall be made using manufactured elbows.
- 1.6 Fiberglass conduit elbows are acceptable to use instead of PVC conduit elbows.
- 1.7 Compaction shall be accomplished using mechanical vibrators or impact tampers. Wheel rolling by a truck or backhoe shall not be acceptable.
- 1.8 Top of secondary box base shall be set 2" above the surrounding final grade. If depth of landscaping material is not known at time of secondary box installation, top of box base shall be 4" above surrounding dirt to allow for landscaping material.

WATER METER BOX INSTALLATION:

- 1.9 Install water meter boxes so front of water box is aligned even with R/W line and installed at surrounding final grade.

2.0 REFERENCE STANDARDS:

- A Refer to EC5-2.0800, EC5-2.0900 or EC5-2.1000 for Concrete padmount & Fiberglass transformer vaults.
- B Refer to EC5-3.0500 for Grounding detail.
- C Refer to EC5-2.0400 for Above grade secondary boxes and lids.
- D Refer to ED5-1.0500 for Padmount transformer placement clearances from structures.
- E Refer to EC5-B.1000 for Underground service conduit and conductor requirements.
- F Refer to EC5-B.3000 for Temporary service requirements.

DISTRIBUTION CONSTRUCTION STANDARD
EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

TYPICAL RESIDENTIAL PADMOUNT TRANSFORMER BOX DETAILS

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