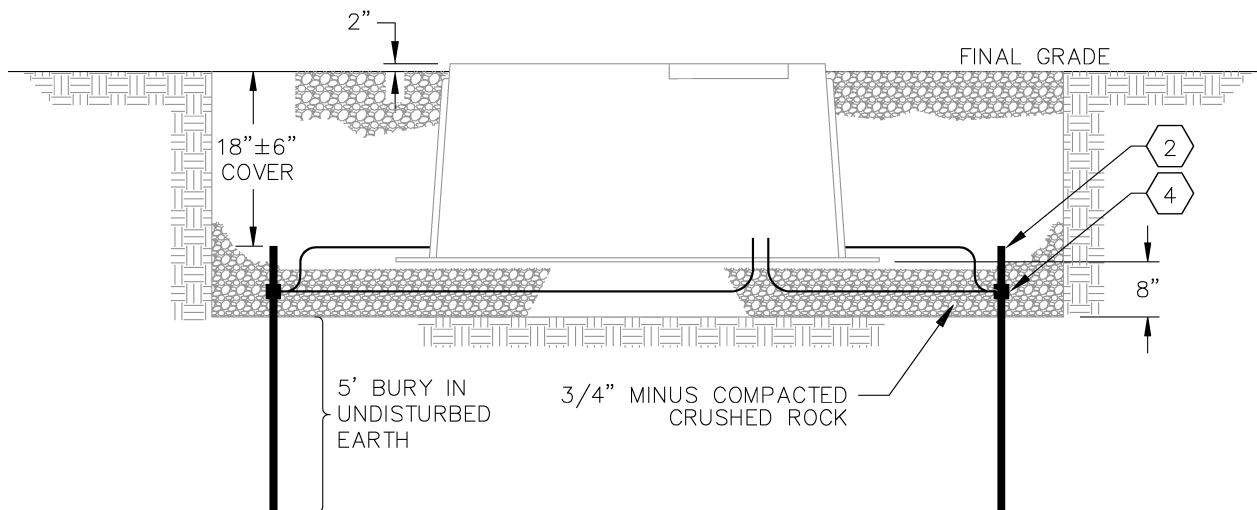


PLAN VIEW



ELEVATION

EC5-3.0501 & EC5-3.0503

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

GROUNDING DETAIL FOR SINGLE PHASE PADMOUNT TRANSFORMER
VAULTS AND SE-1 FIBERGLASS VAULT

Approved Aug 15, 2016
EC5-3.0500
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ASSEMBLY EC5-3.0501

GROUND DETAIL FOR SINGLE PHASE PADMOUNT TRANSFORMER VAULTS

1.	434-0000897	56 FT	CNDCTCU#2STRDSD
2.	460-0001417	2 EA	RODGND5/8 X 8GALV
3.	444-0001174	1 EA	CONNCRPT2STRD-2SOL
4.	442-0001102	2 EA	CONNGRNDROD5/8"

ASSEMBLY EC5-3.0503

GROUND DETAIL FOR SINGLE PHASE, SE-1 FIBERGLASS VAULTS AND SINGLE PHASE RANCRUNNER J-BOX

1.	434-0000897	50 FT	CNDCTCU#2STRDSD
2.	460-0001417	2 EA	RODGND5/8 X 8GALV
3.	444-0001174	1 EA	CONNCRPT2STRD-2SOL
4.	442-0001102	2 EA	CONNGRNDROD5/8"

CONSTRUCTION NOTES:

1. Grounding conductor shall be No. 2, seven strand, soft drawn, bare (un-insulated) copper.
2. Grounding conductor may need to extend more than 24" from vault edge to ground rods to obtain required separation of ground rods.
3. Grounding conductor shall be installed in one continuous length without a splice or joint except where the two ends are joined inside the vault.
4. Inside of vault leave 16 ft, minimum of one end of the grounding conductor and 2 ft, minimum of the other end for connection. EWEB to make connection between the two ends of grounding conductor.

REFERENCE STANDARDS:

- A) Refer to EC5-6.0500 for 12,470 GND Y/7200 2 bushing padmount transformer 240/120v.
- B) Refer to EC5-2.0900 through EC5-2.1000 for 25kva through 100kva transformer installations.
- C) Refer to EC5-2.0600 for single phase 167kva & single phase, 3 bushing transformer installations.
- D) Refer to EC5-2.3500 for 3' 3" x 2' 4" fiberglass vault for SE-1 sectionalizing enclosure.
- E) Refer to EC5-5.7500 for above ground single phase SE-1 sectionalizing enclosure.
- F) Refer to EC5-6.1300 for 12,470 GND Y/7200 Single phase, ranchrunner and padmount transformers, 240/480 volt - For agency lighting.
- G) Refer to GC5-2.2600 for typical residential padmount transformer box detail.