

SWITCH GEAR CONCRETE STRUCTURE INSTALLATION FOR PMH 9,10 & 11; PME 11F, 52F, 53F, 45F & 64F LEFT & RIGHT

REVISION: New Installation Standard

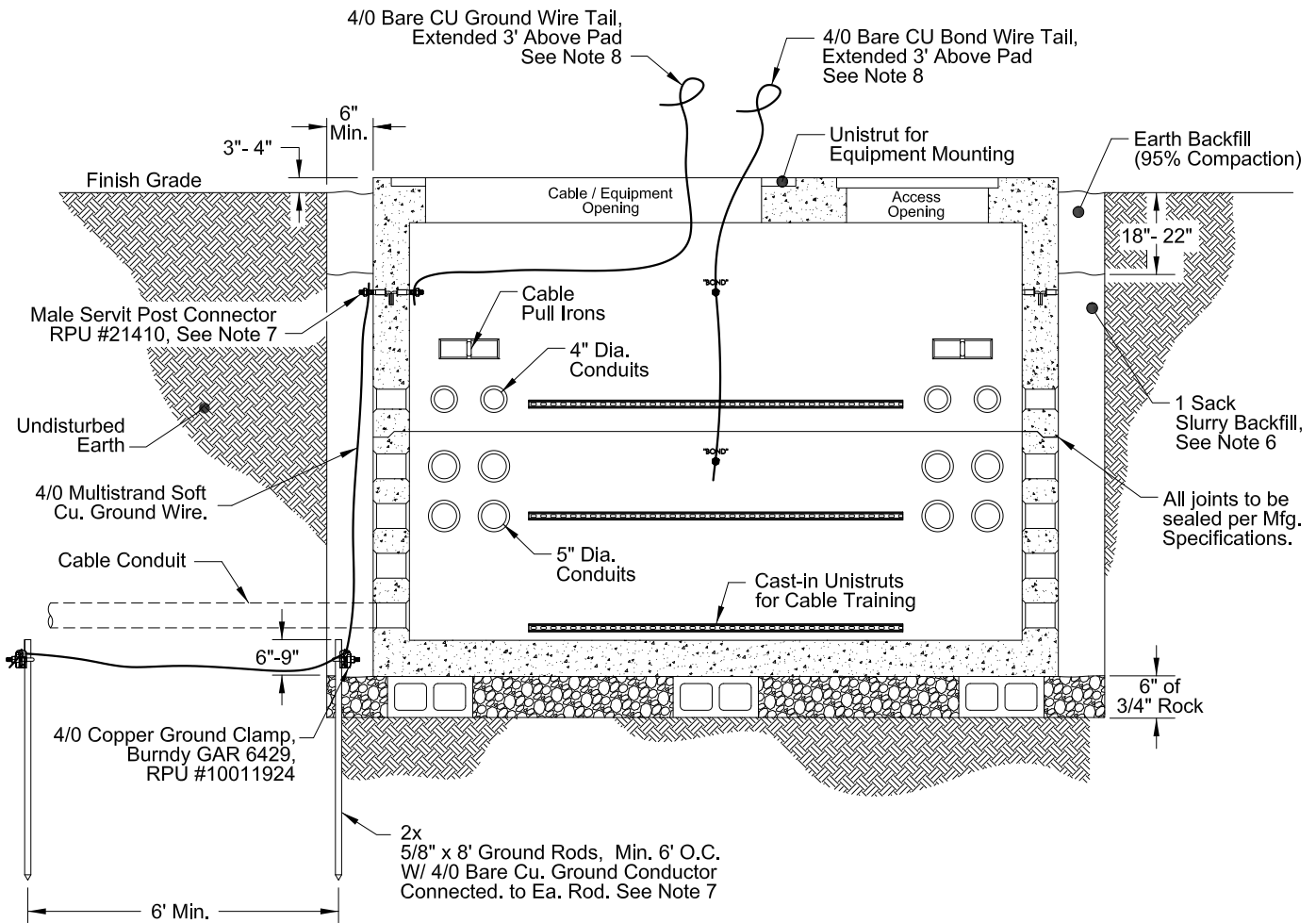
CHECKED BY
 (ENGINEERING): SJ

DATE: 9/16/2015

CHECKED BY
 (FIELD): GY

PREPARED
 BY: SJR

APPROVED BY: *Stephen C. Saford*



Notes:

1. See UGS-005 for box ordering information and detailed structure & conduit terminator dimensions. Verify RPU Approved manufacturers drawings for slight variations prior to ordering; changes made by contractor require prior written approval by project engineer or RPU Inspector.
2. Locate concrete structure as specified on the job drawings with verification by RPU Inspector; changes made by contractor require prior written approval by project engineer or RPU Inspector.
3. Minimum Excavation size is 7' x 12'6" x Required Depth (Structure installed on slope / uneven finish grade or installation requiring the use of grade rings may require additional depth); structure with depth of above 5' require ladder to be provided with concrete structure. Prior to excavating, the California One call requires any person planning to conduct any excavation shall contact Underground Service Alert, at least two working days (48 hours), but not more than 14 calendar days, prior to commencing that excavation. Dial 811 for Underground Service Alert.
4. The RPU inspector will be notified by the installing contractor 48 hours prior to the field installation of concrete structures. The contractor will install the structures in accordance with the manufacturer's instructions and recommendations unless otherwise noted.
5. Install protective barriers per UGS-290 or protective wall per UGS-291 if structure/equipment is exposed to vehicular traffic. A protective wall may also be required to protect structure from embankments.
6. Concrete structure to be incased in Min. 1 Sack Slurry (Backfill) around structure. The surface elevation of the backfill slurry will not vary more than one foot around the perimeter of the structure as it is being placed.
7. Structures External ground components (Ground Rods, Ground Clamps, 4/0 Cu. Ground Wire & Male Servit Post Connector (Studded Split Bolt Connector)) shall be furnished by contractor and installed as shown above (4/0 Ground wire shall be installed on cable/equipment opening side of structure). Slab-boxes ground rods to be spaced 6' min. apart. See UGS-225 for grounding details.
8. Equipment Grounding & Structure bonding (inside of structure) shall be provided by RPU and installed at time of equipment installation. Inserts labeled "GND" shall be connected to equipment grounding bus using Split bolt, Male Servit Post Connector & 4/0 Cu. Ground wire. Inserts labeled "Bond" shall be connected to equipment grounding bus using Split bolt, Male Servit Post Connector & 4/0 Cu. Ground wire, unless otherwise specified by RPU Inspector or design installation drawings.
9. (6) 6" x 6" x 16" concrete blocks, set on sides of slab box; 3 on each side spaced equally at box length. The blocks to be set level and to grade on a base compacted to 90 % and inspected before setting slab-box.
10. After setting and prior to equipment installation seal slab-box openings with 3/4" plywood or 3/16" steel plate.
11. Minimum clearance in front of slab-box is 8'. The minimum side and back clearance is 2' from non-combustible surfaces and 3' from combustible surfaces.