



USE: CUSTOMER INSTALLED TRANSFORMER BOX PAD, SINGLE PHASE
 SINGLE-PHASE
 TRANSFORMER BOX PAD
 25KVA - 75KVA



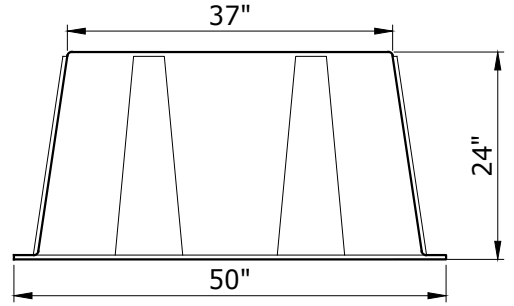
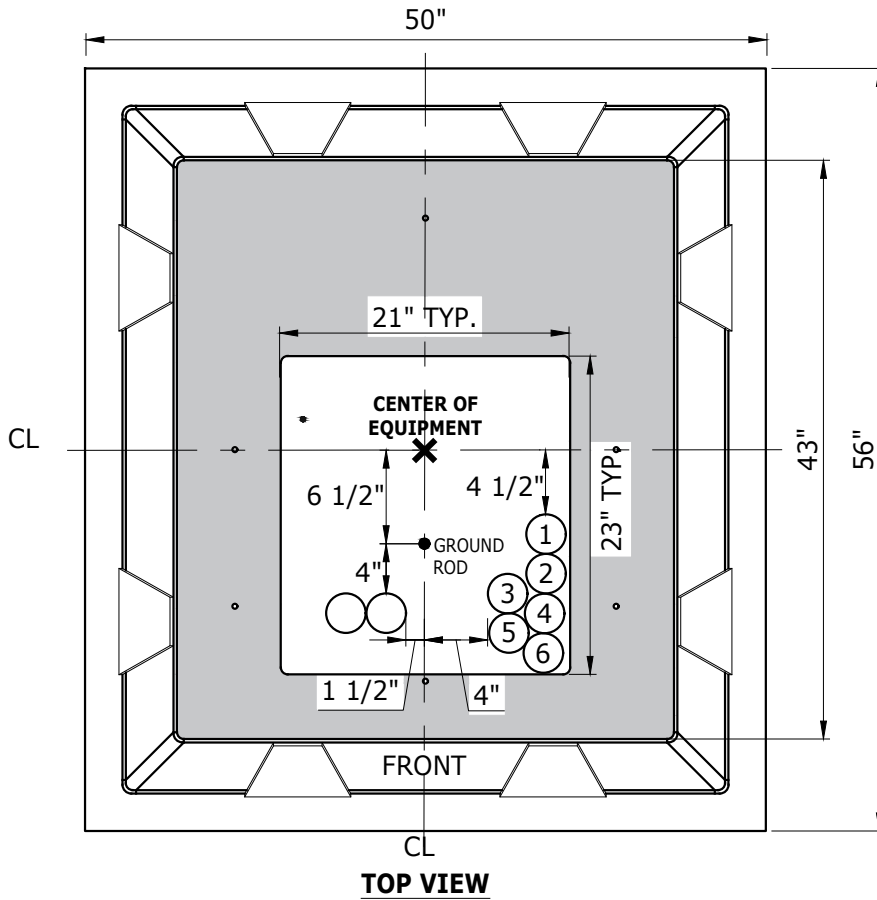
NOTES:

1. Refer to SR-209 for trench detail and placement of equipment within easements.
2. Customer is to provide property pins and/or swing ties (stakes) to the center of equipment. These pins/stakes must be in place for the trench/conduit and backfill/mandrel inspections.
3. Pad and trench sites shall be level and at final grade before calling Design Services for a trench/duct inspection. Driven ground rod to be 20 inches above basement grade and have an impalement cover installed. Ground Rods are Not Permitted to be cut under any circumstance. If soil conditions prohibit driving the ground rod per the SR, contact Design Services.
4. Customer to utilize an approved conduit template available for purchase from Design Services, during the backfill process to ensure proper conduit and ground rod placement at final grade. Duct plugs are required for all conduits, use of duct tape to close ducts is not approved.
5. The service conduit shall be installed into the transformer box pad at the same time as the primary and/or secondary conduits are installed. All conduits are to be tied up per the equipment detail, and prior to calling for the trench and conduit inspection. Typically, secondary conduits 5 and 6 are used for the service stubs. In cases where no secondary is being installed, conduits 1 and 2 will be used for the service runs.
6. Conduit sweeps into new or existing equipment shall be 2 1/2 inches x 36 inches x 90 degree, Grey PVC Electrical Grade, Schedule 40. Wave-rib conduit is NOT approved to be used for new installation into Company equipment.
7. After the conduits (SR-205) and ground rods are in place, the customer is to install a #6 solid soft drawn copper conductor for Telco bonding from the ground rod 2 feet above final grade, 12 inches away from the front of the pad and 36 inches to the right of the pad site. Bury the conductor 12 inches below final grade and coil up approximately 2 feet of conductor. With the template in place, pour concrete cap on the conduit, per SR-205 and 215, Page 2, and call for an inspection. Upon passing the inspection, backfill and compact to 95 percent, level the equipment site and install the transformer box pad. The conduit shall be 4 inches above the basement grade and covered with the appropriate duct plug. See SR-208 for equipment site preparations, including sites with slopes.
8. The customer to call for a transformer box pad site and mandrel inspection.
9. Do not trench under Company owned pad-mounted equipment without Service Provider personnel present. Service Provider's Access Crew can be scheduled to assist with conduit placement and/or trenching required under Company owned equipment. Arrangements must be made by calling 520-918-8300 (TEP) or 520-761-7951 (UES), a minimum of five working days in advance.
10. See SR-207 for bedding and backfill requirements.
11. Company inspectors do not verify grade stakes. Any adjustments required to grade and/or pad sites due to inaccurate grading, grade changes and/or improper grade establishment at trench or pad sites will be the responsibility of the Developer/Contractor. Any associate costs to correct grade or pad sites and any costs incurred by Service Provider due to a change in surface elevation will be borne by the customer.
12. Refer to SR-108 for Right-of-way and Easement requirements.
13. Overall size and opening of box pad may vary up to several inches, dimensions shown are for reference only. Trench layout and duct placement to be based off of center of equipment.

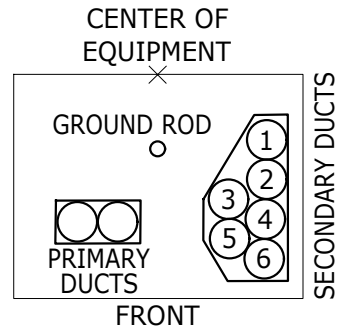
		INITIATED BY	JAB	REVISION NO.	-	SR-231 Pg. 1 of 2
		ESR COMM.	7-24	ESR COMM.	-	
				EFFECTIVE DATE	9-24	

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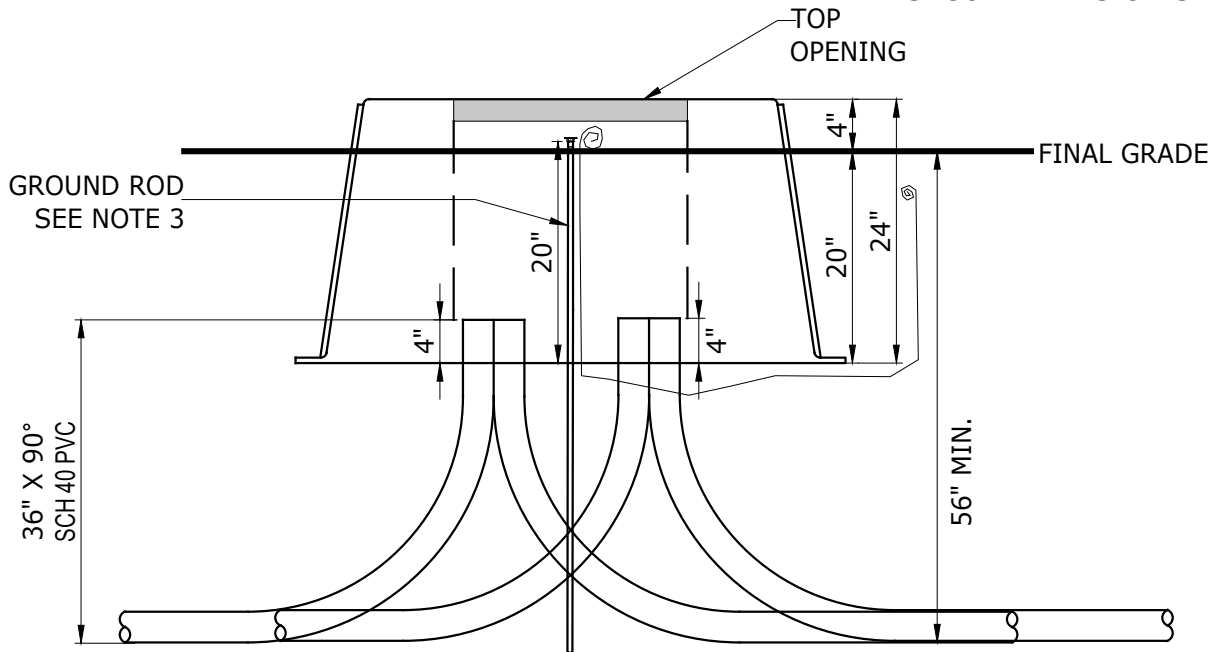
FRONT VIEW



TRANSFORMER TEMPLATE

TRANSFORMER TEMPLATE

- 1 7-07-1002 - 1 OR 2 SERVICES
- 7-07-1001 - MULTIPLE SECONDARIES OR SERVICES



FRONT CIVIL VIEW