PAD CLEARANCES
Front – 7.5' Minimum
Sides – 3' Minimum
Back – 3' Minimum
Overhead – No obstructions permitted

PLEASE CALL
CITY OF OAK RIDGE ELECTRIC DEPARTMENT
(865)–425–1803
TO INSPECT THE PAD FORM
BEFORE POURING CONCRETE

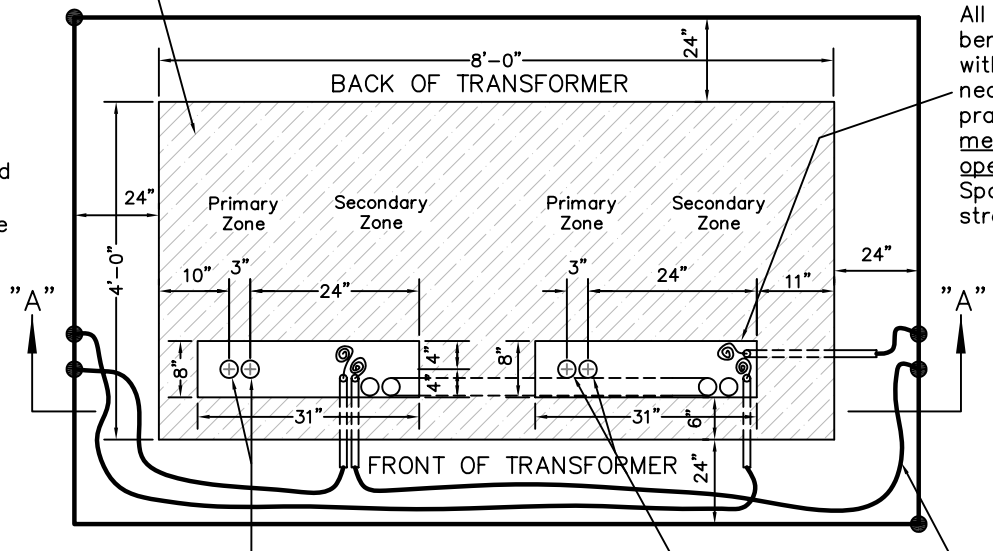
3000 PSI concrete pad (15" thick), on undisturbed or well compacted earth. A cure time of 7 days required before transformer is set.

4000 PSI concrete may be used to reduce cure time. Documentation is required!

Supplied and installed by the customer:
1/0 bare copper wire (minimum of 80' required)
5/8" x 8' copper ground rod (2 required)
5/8" to 1/0 Shearlock (3 required)
1/0 to 1/0 cable connector (4 required)

Please refer to CORED Standard 514 for additional options and grounding details.

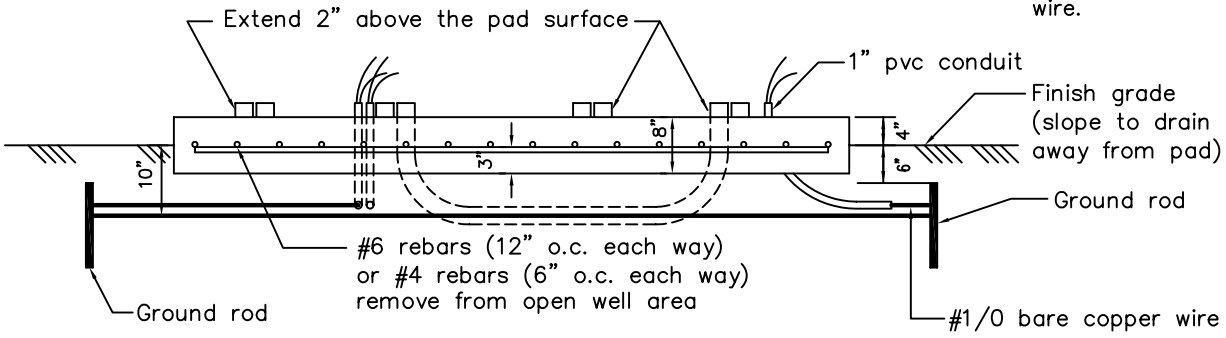
This represents the conduit entrance area. All service conduit bends must be confined within this area and as near the center as practical. This area is meant to be an opening in the pad. Spare conduits are strongly recommended.



Typically two 2.5" Schedule 40 PVC conduit, 90° bends, 36" sweeps.

TOP VIEW

The ends of the ground wire loop shall be brought up in both the Primary & Secondary conduit zone areas in 1" PVC conduit so as not to make contact with the concrete. Leave minimum 5' excess wire.



SECTION "A–A" VIEW

NOTES:
Pad location shall be acceptable to City Of Oak Ridge Electric Department (CORED), and shall be a minimum of 20' from flamable buildings, doors, etc. Otherwise, a protective wall shall be built by customer around part of transformer pad per CORED Standard 330. If pad location is vulnerable to vehicular traffic, guard posts shall be installed by customer as per CORED Standard 660. CORED will own, install, and terminate primary cable. Customer will own and install service cable, which will be terminated at pad mounted transformer by CORED. No other utilities are permitted under or within a 3 feet minimum of pad.

Standard Pad Mounted Transformer (Foundation Details For Special 3 Phase 240V Delta Services up to 100 kVA)

REV	DATE	DRWN	APPD	DESCRIPTION	SUPERSEDES: 481.S01.R03		SCALE: NTS
1	1–01–10	PWS	MEB	HANDBOOK UPDATE.	DRWN: JWarner	APPD: MEBeams	DATE: 7–27–07
–					CORED STANDARD NUMBER 730 R 1		