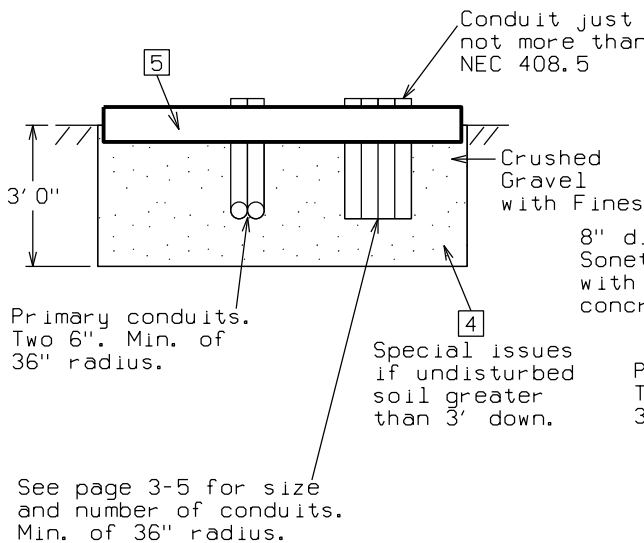
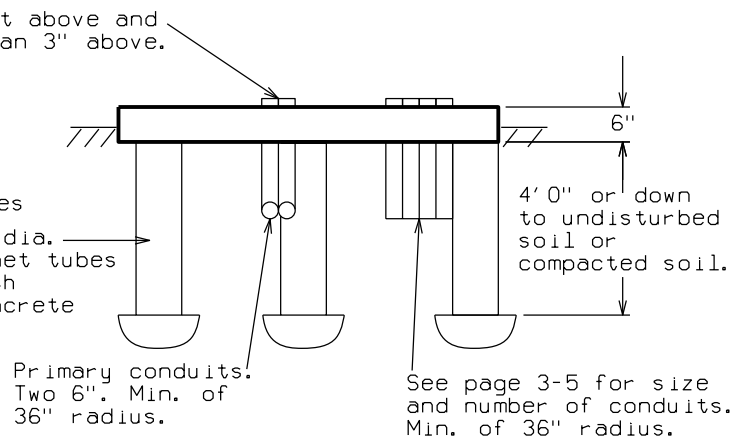


**Gravel Base Alternative**



**Concrete Footing Alternative**



Revised: 03/10

NOTES:

1. The alternate dimensions of 6'6" x 5'0" can be used for transformers that will only serve one service that is 1200 amps or less. If the installation requires concrete footings because of disturbed soil, four sonet tubes are acceptable for cases with one service of 1200 Amp or less.
2. Service conduits shall always start from the front right corner of the window and tight to each other and in numbered order. See page 3-5 for the number and size of the conduits if the Company is providing the service conductors. Install the conduits to a minimum of one foot beyond the edge of the pad.
3. The primary conduits shall always start from the front left corner of the window and tight to each other. There shall be two six-inch conduits. Install the conduits to a minimum of one foot beyond the edge of the pad.
4. For gravel base installations, dig down to undisturbed soil. If you have to go down to three feet, make sure that the soil below is compacted. You can use less depth in the base if the soil is undisturbed and capable of carrying the weight. Install crushed gravel with fines tamped every foot up to grade level. If undisturbed or uncompacted soil is not encountered within 3'0" of excavation, footings are required to get down to soil that will support the weight.
5. The concrete shall have a minimum strength of 3000# per sq. inch and contain not less than a 6 bag mix per cubic yard. Approximately one bag of fly ash may be substituted for one bag of cement per cubic yard of concrete. Minimum cure time before setting a transformer is 7 days.
6. Typical weights on transformers are 75 kva (2300#), 500 kva (6000#), 750 kva (8400#), 2500 kva (17000#).
7. See page 8-3b of the WEB version of the manual for the Company policy on service conduits for Company-provided services.
8. See page 3-10 for clearances between the padmounted transformer and the building, doors, windows, air intakes, generators, switchgear, fire escapes, etc.
9. See page 5-9 in the WEB version for padmounts from 3750 to 5000 kva.

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WPSC/UPPCO SERVICE MANUAL

STANDARD PAD FOR 75 TO 2500 KVA PADMOUNT TRANSFORMERS

3-8b