

UNDERGROUND SINGLE PHASE TEMPORARY

IMPORTANT NOTICE TO ELECTRICIANS/BUILDERS

ALL STRUCTURES USED FOR TEMPORARY SERVICE SHOULD BE LOCATED OUTSIDE OF THE THE EQUIPMENT CLEAR WORKING ZONE AS SHOWN IN THE DETAILS BELOW.

CONTRACTORS SHOULD USE CARE NOT TO ROUTE TEMPORARY SERVICE CONDUCTORS ACROSS OR ALONG THE PATH INTENDED FOR THE PERMANENT SERVICE CONDUCTORS.

THE MAJORITY OF ALL UNDERGROUND SERVED RESIDENTIAL LOTS WILL HAVE A TRANSFORMER AND/OR SECONDARY PEDESTAL LOCATED ALONG ONE OR BOTH PROPERTY LINES. WHENEVER A TRANSFORMER IS LOCATED ALONG A PROPERTY LINE, LOCATE THE TEMPORARY STRUCTURE ON THE SIDE CLOSEST TO THE TRANSFORMER AND RUN THE SERVICE CONDUCTORS TO WITHIN 18" OF THE SECONDARY SIDE OF THE TRANSFORMER. REGARDLESS IF A SECONDARY PEDESTAL EXISTS ON THE OPPOSITE PROPERTY LINE. (SEE DETAIL) IF ONLY A SECONDARY PEDESTAL OR HANDHOLE EXIST, LOCATE THE TEMPORARY STRUCTURE ON THE SIDE OF THE LOT CLOSEST TO THE DEVICE AND RUN THE SERVICE CONDUCTORS TO WITHIN 18" OF THE DEVICE.

IF THERE IS NEITHER A TRANSFORMER OR PEDESTAL (OR YOU ARE UNSURE), PLEASE CALL CUSTOMER SERVICE OR YOUR STAKING TECHNICIAN BEFORE PROCEEDING. WE WILL BE GLAD TO HELP.

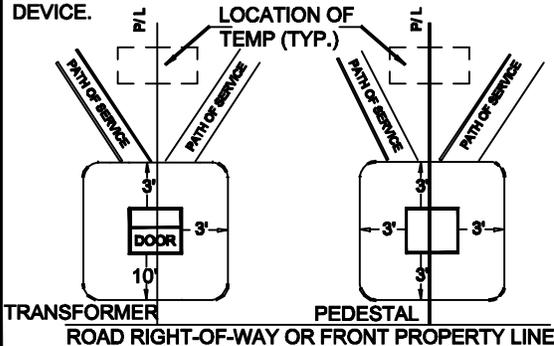
THE CLEAR WORKING ZONE DESIGNATES AN AREA AROUND UTILITY EQUIPMENT THAT MUST REMAIN FREE OF TEMPORARY SERVICE EQUIPMENT AND ALL OTHER OBSTRUCTIONS, INCLUDING STRUCTURES, LANDSCAPING, FENCING, ETC. THIS SPACE IS NECESSARY SO UTILITY PERSONNEL CAN WORK SAFELY AROUND ENERGIZED UTILITY EQUIPMENT.

TRANSFORMERS ONLY

UTILITY WORK ZONE AREA IS DEFINED AS 10' CLEAR IN FRONT OF DOOR AND 3' CLEAR ON REMAINING SIDES.

SECONDARY PEDESTAL

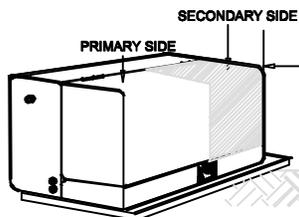
UTILITY WORK ZONE IS DEFINED AT 3' CLEAR AROUND DEVICE.



**NOTE:

CUSTOMER TO INSTALL CABLE TO WITHIN 18" OF THE TRANSFORMER (SECONDARY SIDE - SEE DETAIL BELOW), PEDESTAL OR HANDHOLE AND PROVIDE A MINIMUM OF 6' SLACK OF CABLE FOR NORTHCENTRAL CREWS TO MAKE CONNECTIONS. THE COOPERATIVE WILL NOT EXCAVATE MORE THAN 18" TO INSTALL TEMPORARY SERVICE.

SECONDARY SIDE OF TRANSFORMER IS ON THE RIGHT SIDE WHEN FACING THE DOOR.



CUSTOMER SUPPLIED CABLE FOR TEMPORARY SERVICE TO BE MINIMUM 2-#6 CU AND 1-#6 CU NEUTRAL. CABLE SHOULD BE RATED FOR INTENDED USE: DIRECT BURIAL OR IN CONDUIT.

UTILITY WORK ZONE - SEE NOTE ABOVE

TYPICAL 2" CONDUIT FOR 100A TEMPORARY ENTRANCE

MIN. 6' SLACK REQUIRED

FINISHED GRADE

DO NOT PUSH SERVICE CABLE INTO T/F, PED. OR HANDHOLE UNLESS COOPERATIVE PERSONNEL ARE PRESENT

2' MIN.

4' MIN.

42" - 60" TYP.

NOTE: SIGNS PLACED ON TEMPORARY STRUCTURES SHALL BE SIZED AND INSTALLED SO THEY DO NOT INTERFERE WITH CONNECTION OF SERVICE.

SERVICE NEUTRAL, METER BASE, AND FUSE/BREAKER ASSEMBLY MUST BE PERMANENTLY GROUNDING IN ACCORDANCE WITH NEC.

*GROUND ROD AT METER PEDESTAL IS SHOWN BELOW GRADE. ALWAYS INSTALL PER MOST STRINGENT CODE (NATIONAL, STATE, LOCAL).

*AS PER CODE

FINISHED GRADE

2' MIN.

REQUIREMENTS:

1. ALL HARDWARE MUST BE RIGIDLY ATTACHED TO POLE.
2. ALL BOXES AND FITTINGS MUST BE WEATHERPROOF.
3. MIN. #6 CU COPPER SERVICE WIRE REQUIRED
4. THIN-WALLED CONDUIT IS NOT ACCEPTED. RIGID OR SCH 80 ONLY.
5. FUSE OR BREAKER DISCONNECT MUST EXIST IMMEDIATELY AFTER METER BASE.
6. 5/8" X 8' GROUND ROD WITH #6 (MIN.) BARE COPPER GROUND WIRE - SECURELY ATTACHED.

SHOULD ANY OF THE REQUIRED CONDITIONS FOR SERVICE ARE NOT MET, SERVICE WILL NOT BE CONNECTED AND THE COOPERATIVE MAY IMPOSE TRIP CHARGES TO RETURN AND CONNECT SERVICE.

MATERIAL AND INSTALLATION

1. COOPERATIVE WILL PROVIDE AND INSTALL ELECTRIC METER.
2. CONTRACTOR MUST FURNISH AND INSTALL METER BASE FOR TEMPORARY SERVICE.
3. ALL OTHER MATERIAL IS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN CONFORMANCE WITH BOTH NATIONAL AND LOCAL ELECTRIC CODES.

4" X 4" OR 6" X 6" TREATED POST

N.E.C. 305-6 REQUIRES APPROVED GROUND FAULT CIRCUIT PROTECTION ON ALL 15 AND 20 AMP SINGLE PHASE RECEPTACLE OUTLETS.