

UNDERGROUND CT METER BASE PEDESTAL (P1)

GENERAL:

THE STANDARD METERING ARRANGEMENT FOR LARGE SERVICES (>400A) REQUIRES A INSTRUMENT RATED METER BASE AND SPECIAL TRANSFORMERS FOR METERING CURRENT (CT) AND SOMETIMES VOLTAGE (PT) TRANSFORMERS. IN THESE CASES, NORTHCENTRAL PROVIDES BOTH PIECES OF EQUIPMENT, BUT IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INSTALL THE METER BASE, METERING LEAD CONDUITS, AND SOMETIMES A CT METER CAN OR COMPARTMENT. BELOW ARE SOME POINTS FOR THESE TYPE OF INSTALLATIONS:

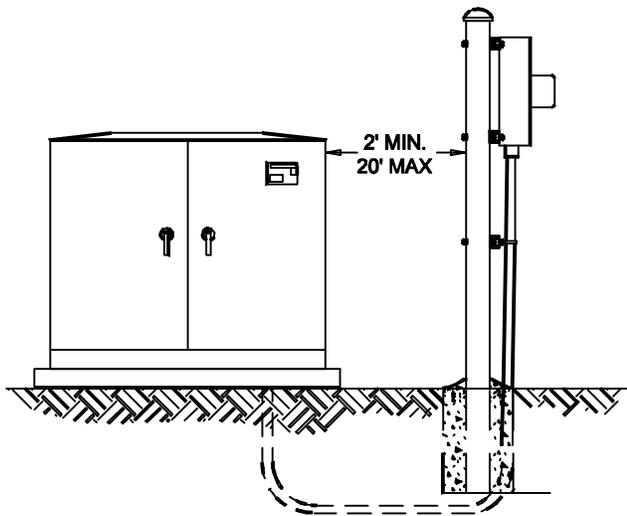
1. IF POSSIBLE, CTs AND PTs WILL BE MOUNTED IN THE TRANSFORMER, REMOVING THE NEED OF A CT CAN. THIS WILL BE DETERMINED BY YOUR STAKING TECHNICIAN AFTER EVALUATING CAPACITIES, OTHER SERVICES WHICH MAY BE FED BY THE SAME TRANSFORMER, OR SEVERAL OTHER FACTORS.
2. THE INSTRUMENT (OR CT) METER BASE WILL TYPICALLY BE MOUNTED ON THE PEDESTAL LIKE THE ONE BELOW, WHICH IS BOTH FURNISHED AND INSTALLED BY THE CUSTOMER. IT SHALL BE LOCATED NO CLOSER THAN 2' AND NO FURTHER THAN 20' FROM THE TRANSFORMER OR WHEREVER THE CTs AND PTs EXIST. IF IT IS DESIRABLE TO INSTALL THIS METER BASE ON A BUILDING WALL, NEAR THE TRANSFORMER, THIS MUST BE APPROVED BY THE STAKING TECHNICIAN ONLY.

CUSTOMER RESPONSIBILITIES:

THE CUSTOMER IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE TRANSFORMER PAD (PER NORTHCENTRAL SPECIFICATIONS), ALL TRENCHING AND BACKFILL, ALL CONDUITS (PRIMARY, SECONDARY, AND METERING), METER PEDESTAL WITH GROUNDING, SECONDARY CABLE TO FACILITY, SIZED PER NEC, ALL SECONDARY CONNECTORS, AND CT CAN (IF REQUIRED). CUSTOMER SHALL INSTALL METER BASE (SUPPLIED BY NORTHCENTRAL).

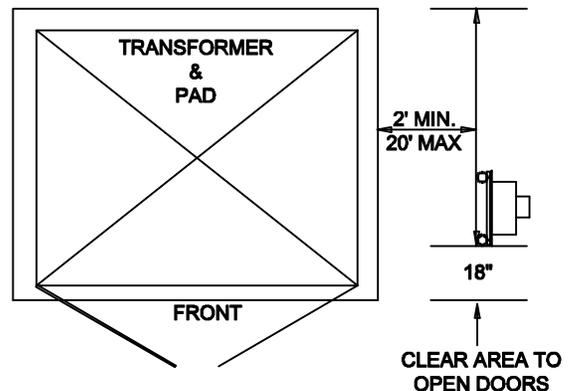
THE COOPERATIVE WILL SUPPLY AND INSTALL THE TRANSFORMER, TRANSFORMER GROUNDING AND GROUND ROD, PRIMARY CABLE AND TERMINATIONS, METER AND METERING CTs, PTs, AND ASSOCIATED WIRING (AS REQUIRED). NORTHCENTRAL WILL TERMINATE THE CUSTOMER OWNED SECONDARY USING THE CUSTOMER SUPPLIED CONNECTORS.

PLEASE SEE THE METER PEDESTAL INFORMATION BELOW. ALSO, PLEASE REFER TO THE METER PEDESTAL DESIGN SPECIFICATION, THE TRANSFORMER PAD SPEC, CONDUIT LAYOUT AND SPACING SPECIFICATIONS, MAXIMUM CONDUIT (FOR TRANSFORMER) CHART, AND BOLLARD REQUIREMENTS (IF SPECIFIED BY YOUR STAKING TECHNICIAN).



1-1/2" SCH 80 PVC OR RIGID CONDUIT
- BY CUSTOMER
FOR METER LEADS
- BY NORTHCENTRAL

TYPICAL LOCATION OF METER PEDESTAL
- STAKING TECHNICIAN WILL MAKE FINAL DETERMINATION OF PEDESTAL LOCATION.



(SEE SHEET 2 OF THIS DRAWING FOR COMPLETE DETAILS OF PEDESTAL.)

UNDERGROUND CT METER BASE PEDESTAL (P2)

NOTES:

CT METER WIRING CONDUIT TO BE A MINIMUM OF 1-1/2" SCHEDULE 80 PVC OR RIGID METAL. GROUND LEAD CONDUIT TO BE 1/2" SCHEDULE 80 PVC OR RIGID METAL. A PULLING TAPE SHOULD BE PRE-INSTALLED IN 1-1/2" CONDUIT.

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

A COOPERATIVE REPRESENTATIVE WILL MAKE THE FINAL DECISION WHERE THE INSTRUMENT RATED METER PEDESTAL WILL BE LOCATED.

TYPICAL SINGLE POST SUPPORT

TYPICAL DOUBLE POST SUPPORT

FRONT VIEW

SIDE VIEW

METER BASE AND ALL SUPPORTS MUST BE PERMANENTLY GROUNDED PER NOTE ABOVE.

2" MIN. GALVANIZED PIPES

1-1/2" RIGID METAL CONDUIT FOR CT METER WIRING

1/2" RIGID METAL OR SCH 80 CONDUIT FOR GROUND WIRE PROTECTION

PLACE CROWN ON CONCRETE TO SHED WATER

FINAL GRADE

*AS PER CODE

CONDUIT AND GROUNDING TO BE SAME AS DRAWING FOR DOUBLE POSTS

FINAL GRADE

4" RIGID MINIMUM

42" - 60" TYPICAL

2'-0" MIN.

2'-6" MIN.

2'-0" MIN.

3'-0"

1-1/2" RIGID METAL CONDUIT FOR METER WIRING

