UTILITY

POLE.

STAKE,

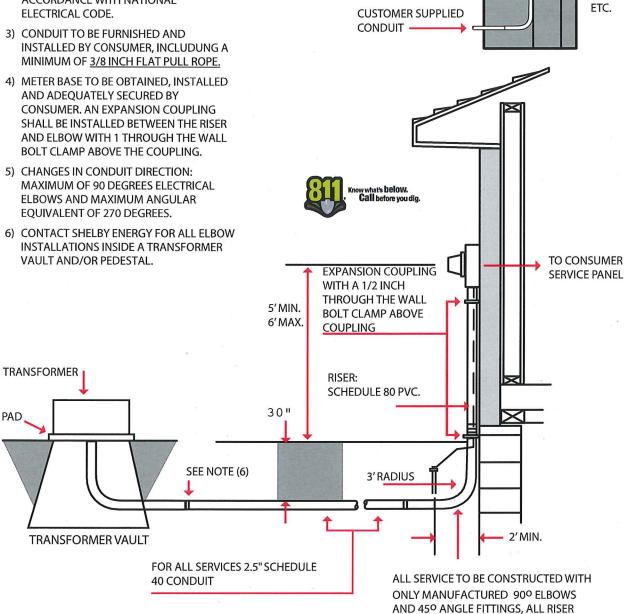
POLE MOUNT

SPECIFICATIONS AND MEASUREMENTS

UNDERGROUND SERVICE



- 2) SERVICE NEUTRAL, METER BASE MUST BE PERMANENTLY GROUNDED IN ACCORDANCE WITH NATIONAL
- AND ADEQUATELY SECURED BY CONSUMER. AN EXPANSION COUPLING SHALL BE INSTALLED BETWEEN THE RISER AND ELBOW WITH 1 THROUGH THE WALL
- **ELBOWS AND MAXIMUM ANGULAR** EQUIVALENT OF 270 DEGREES.

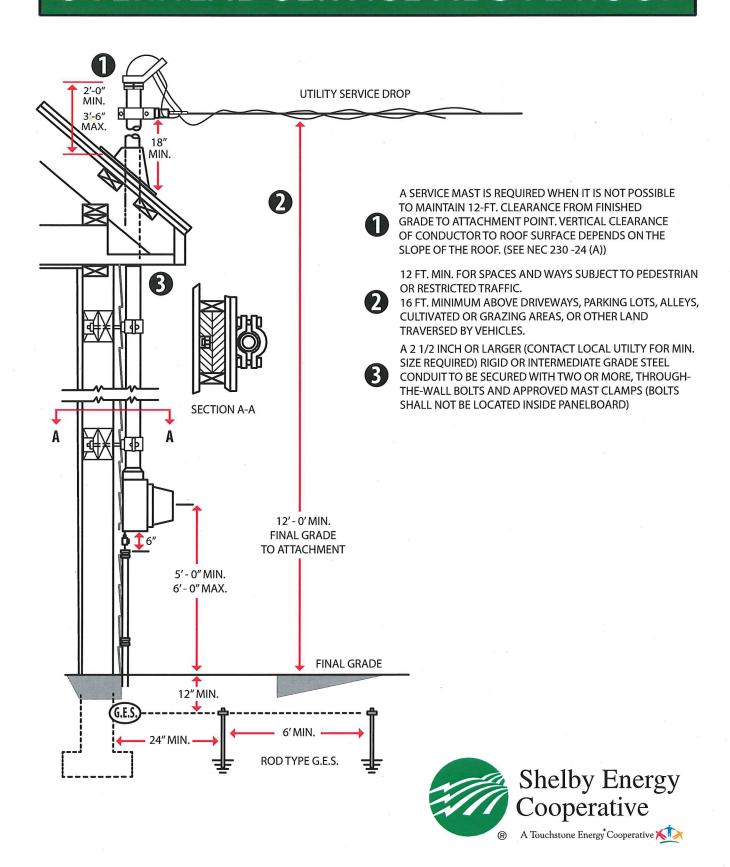


IMPORTANT: SHOULD TRENCH LENGTH EXCEED 150' OR SERVICE ENTRANCE SIZE BE LARGER THAN 400 AMP, CONSULT WITH SHELBY ENERGY COOPERATIVE FOR SPECIAL DESIGN.

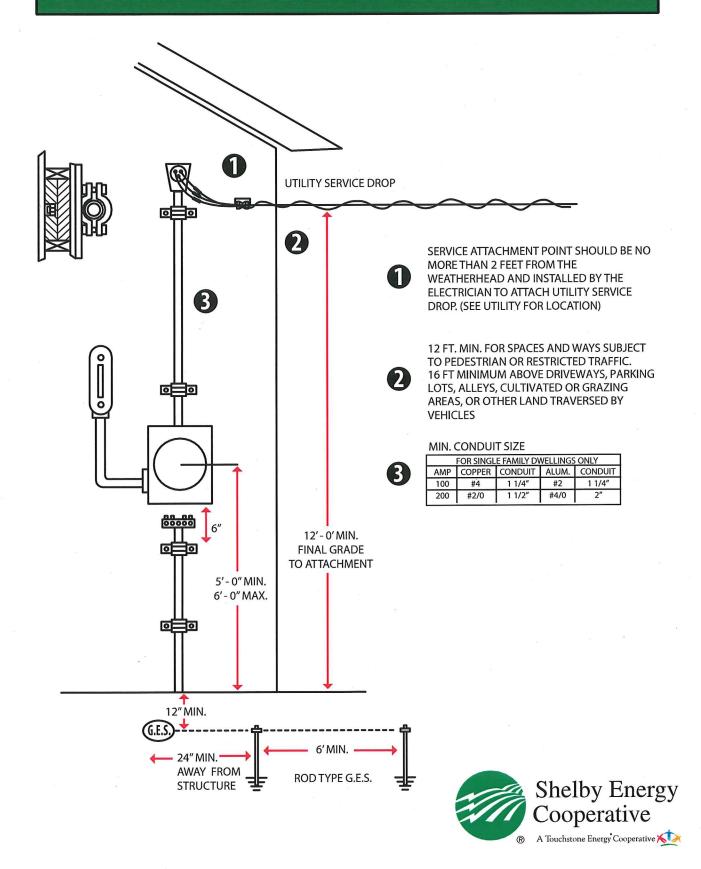


ELBOWS TO BE SCH 80 PVC.

OVERHEAD SERVICE ABOVE ROOF

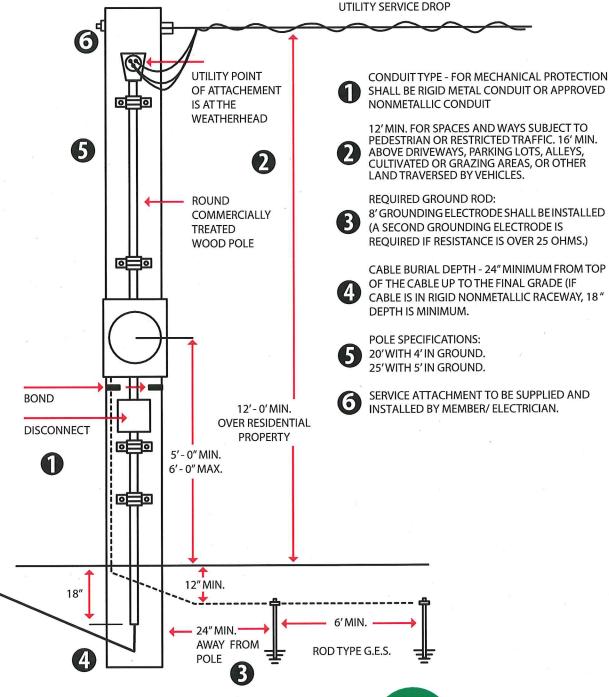


OVERHEAD SERVICE BELOW ROOF



METER POLE SERVICE

Direct Wire Type to Service Pole

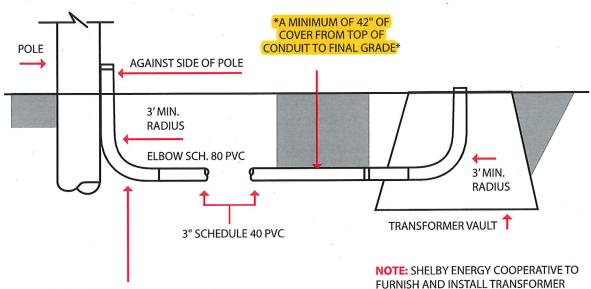




UNDERGROUND PRIMARY

- 1) SHELBY ENERGY COOPERATIVE TO APPROVE PADMOUNT TRANSFORMER AND/OR PULL BOX LOCATIONS.
- CONDUIT TO BE FURNISHED AND INSTALLED BY CONSUMER, INCLUDING A 3/8 INCH FLAT ROPE.
- 3) TRENCH TO BE LEFT OPEN FOR SHELBY ENERGY COOPERATIVE TO INSPECT. PLEASE REFER TO TRENCHING AND CONDUIT SPECIFICATIONS BELOW.





ALL PRIMARY TO BE CONSTRUCTED WITH ONLY ELECTRICAL 90° ELBOWS and 45° ANGLE FITTINGS, SHALL BE NO MORE THAN 3-90° ELBOWS OR COMBINATION THEREOF. FOR EXAMPLE, 1-90 AT THE HOUSE, 1-90 ATTHE POLE OR TRANSFORMER, 1-90 or 2-45's CAN BE INSTALLED IN THE REMAINING CONDUIT. ALL RISER ELBOWS TO BE SCH. 80 PVC.

IMPORTANT: SHOULD TRENCH LENGTH EXCEED 500' AND/ OR HAVE CHANGES IN TERRIAN, AND DIRECTION THAT PREVENTS ADEQUATE INSTALLATION OF COOPERATIVE FACILITIES, THEN FEED-THRU/PULL BOXES MAY BE ADDED INTERMITTENTLY ALONG TRENCH ROUTE AS DETERMINED BY YOUR SHELBY ENERGY COOPERATIVE.

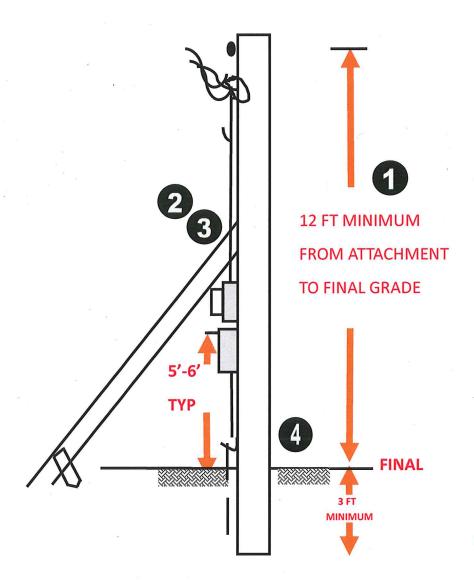


VAULT AND/OR FEED-THRU PULL BOXES,

AFTER CONDUIT HAS BEEN INSTALLED.

TEMPORARY METER POLE

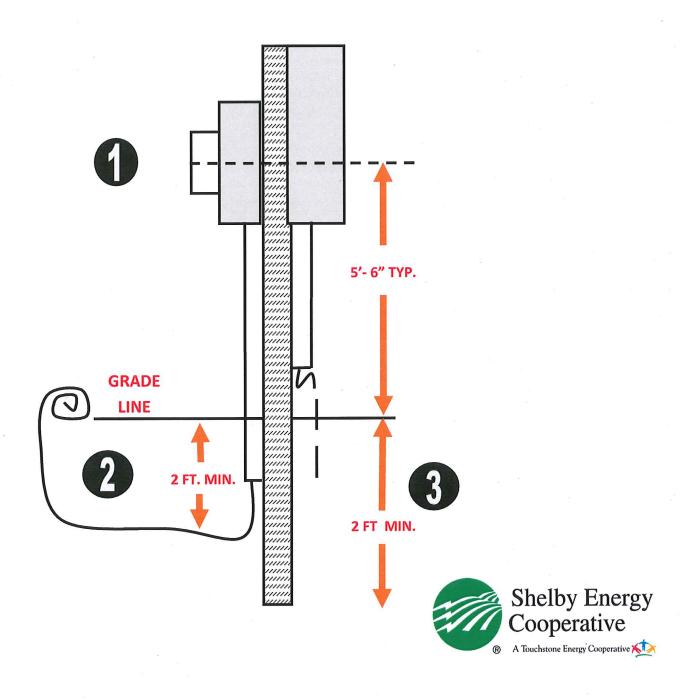
- 12 FT. TRAFFIC. 16 FT. MINIMUM CLEARANCE ABOVE DRIVEWAYS, PARKING LOTS, ALLEYS, CULTIVATED OR GRAZING, OR OTHER LAND TRAVERSED BY VEHICLES.
- TEMPORARY POLE TO BE CONSTRUCTED OUT OF TWO 2"X 6" X 16' FORMING A TEE OR ONE—4" X 4" X 16' POST. IF THE TEMPORARY SERVICE IS TO BE LONGER THAN 50 FT, A 6"X 6 "X 16' POST WILL BE REQUIRED. NO TEMPORARY SERVICE SHALL EXCEED 75 FT. IN LENGTH.
- REQUIRED MATERIALS MUST BE FURNISHED BY THE CONSUMER AND/OR ELECTRICIAN AND MUST BE INSTALLED PER THE NATIONAL ELECTRIC CODE AND SHALL BE INSPECTED BY THE COUNTY APPOINTED STATE ELECTRICAL INSPECTOR.
- TEMPORARY METER POLE MUST BE INSTALLED AT THE LOCATION DESIGNATED AND STAKED BY A SHELBY ENERGY REPRESENTATIVE.





UG TEMPORARY SERVICE

- TEMPORARY METER POLE IS TO BE LOCATED WITHIN 24" OF PADMOUNT TRANSFORMER/ SECONDARY PEDESTAL. IT SHALL BE LOCATED ON THE RIGHT SIDE OF THE TRANSFORMER/ PEDESTAL. (RIGHT SIDE IF FACING THE LOCK) THERE SHOULD BE A MINIMUM OF 6' OF CABLE FOR SHELBY ENERGY TO MAKE THE CONNECTION.
- REQUIRED MATERIALS MUST BE FURNISHED BY THE CONSUMER/ ELECTRICIAN AND MUST BE INSTALLED PER THE NATIONAL ELECTRIC CODE AND SHALL BE INSPECTED BY THE APPOINTED STATE ELECTRICAL INSPECTOR.. CONDUIT SHALL EXTEND 2 FEET BELOW GRADE.
- ALL MATERIALS ARE TO BE MOUNTED TO A 2"X6"X8' OR A 4"X4"X8" POST.



UNDERGOUND METER PEDESTAL

- CONSTRUCTED WITH 2) 6"X6" TREATED POSTS, BOLTED TOGETHER AND SET IN THE GROUND 3 FEET. MATERIALS ARE TO BE PROVIDED AND INSTALLED BY THE MEMBER/ ELECTRICIAN PER THE NATIONAL ELECTRIC CODE AND THE SERVICE ENTRANCE MUST BE INSPECTED BY THE COUNTY APPOINTED STATE ELECTRICAL INSPECTOR.
- METER BASE SHOULD BE MINIMUM OF 5 FEET ABOVE GROUND WITH MAXIMUM OF 6 FEET ABOVE GROUND. DISCONNECT/ BREAKER PANEL CAN BE MOUNTED BELOW OR ON OPPOSITE SIDE OF PEDESTAL.
- AN EXPANSION COUPLING SHALL BE USED WITH ON THE SUPPLY CONDUIT WITH A THROUGH THE WALL BOLT CLAMP ABOVE THE COUPLING.
- SUPPLY CONDUIT MUST BE A MINIMUM OF 30" DEEP FROM FINAL GRADE. REFER TO THE UNDERGROUND SERVICE SPECIFICATION SHEET FOR CORRECT LAYOUT OF SUPPLY CONDUIT. CONTACT SHELBY ENERGY FOR EXCEPTIONS.

