200 Ampere - Residential Underground Service Entrance

Underground Cable Installed in 3" Conduit



Carroll Electric Cooperative, Inc. Engineering Department 350 Canton Rd. NW Carrollton, DH 44615 (330) 627-2116 or 800-232-7697 Voice (330) 627-7050 FAX

<u>Note:</u> All current National Electric Code requirements will be the responsibility of the consumer prior to connection.

NDTE: Engineer will quote URD fee based on current pricing Policy.

·Cooperative Pole Cooperative furnishes all conductor from transformer to house. Call DUPS before you dig TRENCH & CONDUIT 1-800-362-2764 1. The customer shall be responsible for supplying 3" weather head. (see reduction note) 2. Dig trench 36" (thirty six inches) deep and 4 inches wide. 3. Install 3" (three inch) Schedule 40 PVC conduit, METER BASE (Coop supplies) also provide 3" PVC sections called Meter base shall be mounted by long sweep 90's (nineties). member, at specified location, 5ft. above final grade. 4. Install 1/4" - 3/8" good quality solid LOAD CONDUIT nylon pull rope inside the conduit. Shall be galvanized rigid steel 5. Cover up trench once rope is in, and or rigid PVC Schedule 80. all conduit joints are glued together. PVC NOTE: Other PVC material may include, Install warning tape one foot above adapters, reducers, weather conduit. head, couplings, lock-nuts, and PVC cement glue. Expansion Joint Required -Conduit leaving meter base DO NOT RECESS METER SOCKET. to ground is Schedule 80 - LOAD CONDUIT Max. Do NOT break or cut NOTE: #4/0 Aluminum, or #2/0 Copper ground wire. Min 4'-6''Ground shall be run, by consumer from #4 Bare Copper Line meter base to breaker panel. Warning Tape Min. 8' Ground rods to be AWAY 3" sch 40 PVC Conduit from house foundation. Customer installs (2) 8' x 5/8" copper-clad ∼Long Sweep 90 ~ ground rods, to be driven below ground line.

NOTE: Ground wire to run from meter socket and connect the two ground rods with one continuous wire. Must always connect to meter base ground lug even when coming from breaker panel.

WARNING - AT NO TIME SHOULD YOU PUT COPPER AND ALUMINUM TOGETHER UNDER THE SAME CONNECTOR.

ALSO, CORROSION INHIBITOR MUST BE USED ON ALL ALUMINUM CONNECTIONS.

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