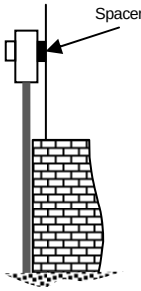
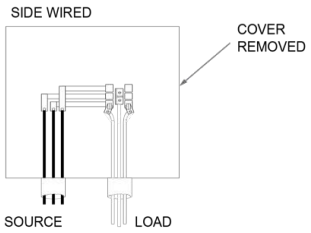
Mixed Siding Finishes on Building
The meter socket should be spaced out from the wall to keep the riser conduit free of bends. Any necessary bends or offsets shall have a minimum bend radius of 36".





3 - WIRE 120/240 VOLT CONNECTION DIAGRAM

NOTICE:

This drawing illustrates NREC requirements only, and is not intended to be a comprehensive guide for the installation of an electrical service. To insure a safe, quality installation that complies with the National Electrical Code and local code requirements, the Cooperative recommends that work be done by a qualified, licensed electrical contractor.

*Service must also be inspected by a certified, licensed electrical inspector prior to service connection. NREC reserves the right to not connect a service it deems unsafe.

Also see reverse side for underground service conduit system installation requirements.

Notes

1. Member provides and installs: conduit from transformer or pedestal to the meter socket; meter socket; service disconnect switch; ground rod and wire; and all related materials. All work shall comply with Cooperative standards, the National Electrical Code, and authorities having jurisdiction. ***Cooperative provides and installs service lateral conductors from NREC transformer or secondary pedestal to the meter.** Service shall be installed at a location mutually agreed upon by the member and the Cooperative.
2. Ground movement protection per NEC 300.5(J) to prevent damage due to settlement or frost heaves. NREC recommends the use of a slip joint conduit product such as the Rizzcon safety slip. Riser conduit shall be flush with wall when installed. 45^0 or 90^0 elbows around footings are not permitted.
3. If member installs conduit system, 3" conduit and pull rope is required. See Drawing on reverse side for conduit system requirements.
4. All above ground conduits and elbows shall be electrical grade EMT, IMC, RMC, or PVC. All conduit connections to be raintight.
5. Underground conduit shall be electrical grade Schedule 40 or Schedule 80 PVC.

CALL 72 HOURS BEFORE YOU DIG - Dial 811

It shall be the member's responsibility to stay clear of all underground facilities.

****Northwestern REC's underground cable is direct bury cable. Secondary cable ditch is to be exactly 24" deep. Primary cable ditch is to be exactly 36" deep. It is critical that these ditch requirement are met for safety and serviceability of your electric service. Failure to meet these specifications may result in added cost or delay of service installation.**

Northwestern Rural Electric Co-operative Association, Inc.
A Touchstone Energy® Cooperative

Underground Meter On Home or Building

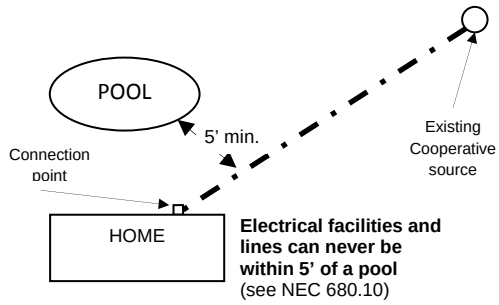
Served From Underground Source
Single or Three Phase Service Up to 320A

NREC

January 2018
NOT TO SCALE

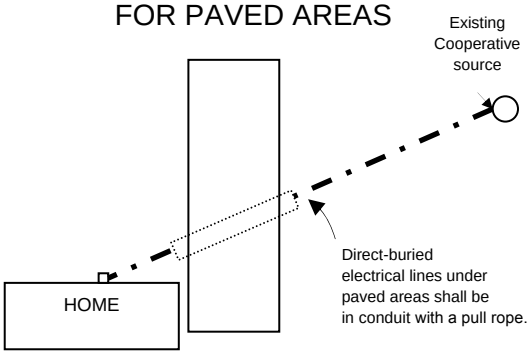
Recieved by:_____ Date_____ NWREC_____ Date_____

UNDERGROUND CLEARANCE FOR SWIMMING POOL



Electrical facilities and lines can never be within 5' of a pool (see NEC 680.10)

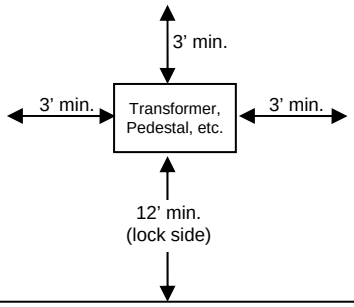
DIRECT-BURIED REQUIREMENTS FOR PAVED AREAS



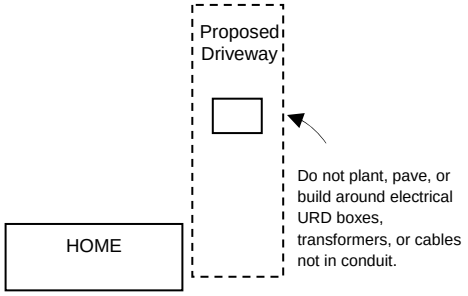
Pad-Mounted Equipment Clearances

From shrubs, trees, fences, decks, etc.

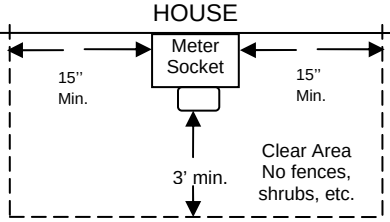
See Drawing 10.4-1 for clearance to buildings.



DO NOT BLOCK ACCESS TO ELECTRICAL FACILITIES



METER CLEARANCES



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CALL 72 HOURS BEFORE YOU DIG – Dial 811

It shall be the member's responsibility to stay clear of all underground facilities.

Notes:

1. Member's facilities shall comply with Cooperative Standards, the NEC, and authorities having jurisdiction.
2. The meter is to be on the outside of the residence, located on the side nearest the Cooperative's facilities. The member may be charged for the additional cost of services that do not use the most direct route.
3. Do not plant, pave, or build around electrical boxes, transformers, or cables not in conduit.
4. If you desire to put your service in conduit, the conduit must be at least 3" in diameter and have a pull rope installed.
5. Hard angle and conduit runs over 250' should be avoided.

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