


Notes:

1. Member's facilities shall comply with Cooperative Standards, the NEC, and authorities having jurisdiction.
2. Minimum required meter pole clearances:
a. Sides of mobile home or other building $\qquad$ $3^{10}{ }^{\prime}$
b. Any direction from gas meter $\qquad$ $3^{\prime}$
c. Any direction from LP-Gas storage containers 10'
3. No other attachments such as member-owned lighting, basketball goals, satellite dishes, etc. shall be allowed on meter pole.
4. The meter pole shall be located to allow access for Cooperative's heavy trucks without crossing the septic lines, tanks, or lateral field. The member is responsible for marking the location of the septic system to avoid damage from Cooperative vehicles.

Meter Clearance from Fences, Shrubs, or Other Obstructions
See notes for other required clearances.


CALL 72 HOURS BEFORE YOU DIG - Dial 811 It shall be the member's responsibility to stay clear of all underground facilities.

## Northwestern Rural Electric Co-operative Association, Inc. <br> A Touchstone Energy* Cooperative $\boldsymbol{x} \boldsymbol{\pi}$

## Single Phase Meter on Pole Underground Load Connection

Single Phase Service Up to 320A
January 2019
NOT TO SCALE


## Notes

1. All equipment and conduit connections shall be rain tight. Any receptacles shall be weatherproof and GFCI. All work shall comply with Cooperative standards, the National Electrical Code, and authorities having jurisdiction.
2. Cooperative provides and installs the meter and service lateral conductors from NREC transformer or secondary pedestal to the meter socket.
3. This service shall be installed at a location mutually agreed upon by the member and the Cooperative.
4. If the member installs a conduit system, $3^{\prime \prime}$ conduit or larger and a pull-line in required.
5. Above ground conduits and shall be electrical grade.
6. Consult the Cooperative for service rated over 320A.
7. Meter and disconnect enclosures must be grounded and bonded together using special means per NEC 250.92.

CALL 72 HOURS BEFORE YOU DIG - Dial 811 It shall be the member's responsibility to stay clear of all underground facilities.

Meter Pedestal
Single Phase Meter Up to 320A

Northwestern Rural Electric Co-operative Association, Inc.


CAUTION 1: Maximum service length is 200'. For longer lengths, consult with the Cooperative.


## Notes:

1. Member's facilities shall comply with Cooperative Standards, the NEC, and authorities having jurisdiction.
2. Minimum required meter pedestal clearances:
a. Sides of home or other building $\qquad$
$\qquad$ 3'
b. Sides or back of pad-mount transformer $\qquad$ 10
c. Front (lock side) of pad-mount transformer $\qquad$ ${ }^{10}{ }^{\prime}$
direction from secondary
$\qquad$
e. Any direction from Cooperative pole ___ 10
f. Any direction from gas meter $\qquad$ -3 g. Any direction from LP-Gas storage containers 10
3. The member shall contact the Cooperative prior to the installation of the service conduit system.
4. Cooperative owned or maintained underground service shall not be installed beneath a mobile home or any other structure.

Meter Clearance from Fences, Shrubs, or Other Obstructions
See notes for other required clearance.


CALL 72 HOURS BEFORE YOU DIG - Dial 811 It shall be the member's responsibility to stay clear of all underground facilities.

## Meter Pedestal

Single Phase Meter Up to 320A

Northwestern Rural Electric Co-operative Association, Inc.


Fascia Attachment - Clearance requirements are the same as wall mount. A mast may be required to meet minimum clearances. See note 5.

## CALL 72 HOURS BEFORE YOU DIG - Dial 811

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

## 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 all 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.

## Notes

1. Member provides and installs: the service drop attachment point; service entrance conductors; conduits; weatherhead; meter socket; service disconnect switch; ground rod and wire; and all related materials. All equipment and conduit connections shall be raintight.
2. Cooperative provides and installs meter and service drop conductors and makes connections at the weatherhead.
3. This service shall be installed on the building at a location mutually agreed upon by the member and the Cooperative.
4. A minimum of $3^{\prime}-0$ " of each conductor shall extend from the weatherhead. The neutral may be bare or insulated and marked with white tape on both ends and may be bare wire.
5. A service mast may be required to meet minimum clearances
6. Point of attachment shall be either accessible to Cooperative's bucket truck or have enough surface (such as wall or building structure) and sufficient ground space on same member's property to safely support a ladder.

## Northwestern Rural Electric Co-operative Association, Inc. <br> A Touchstone Energy ${ }^{*}$ Cooperative $\times \boldsymbol{\lambda}$

## Overhead Meter

on Home or Building Attachment to Wall or Fascia
Single Phase 240V Service Up to 320A
January 2019
NOT TO SCALE




CALL 72 HOURS BEFORE YOU DIG - Dial 811
It shall be the member's responsibility to stay clear of all underground facilities.

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 all work be done by a qualified, licensed electrical contractor. **Temporary must also be inspected by a certified, licensed electrical inspector before service connection.

Northwestern Rural Electric Co-operative Association, Inc.

Temporary Meter Pedestal
Served from Underground Source
Single Phase Meter Up to 200A
October 2018
NOT TO SCALE


## 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 $300.5(\mathrm{~J})$ 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. $45^{\circ}$ or $90^{\circ}$ elbows around footings are not permitted.
3. If member installs conduit system, $3^{\prime \prime}$ 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.

## Underground Meter On Home or Building <br> Served From Underground Source Single or Three Phase Service Up to 320A

 NRECJanuary 2018
NOT TO SCALE


