



#### NOTES

All elbows (above and below ground) and electrical conduit above ground shall be schedule 80 PVC. Schedule 40 PVC conduit is only acceptable below ground.

Trench depth from grade must be 42" to top of electrical conduit. Trench and conduit must be inspected by Nolin before backfilling.

Ground is no. 6 CU continuous ground wire (City of E-town requires 12" of bare ground wire from the meter base and the remainder is enclosed in PVC to 3" below ground level).

Ground rods should be minimum 8' x 1/2" diameter solid copper rod or a 5/8" solid galvanized rod. Ground wire is attached with approved ground clamps.

Underground service entrance conduit shall enter the bottom left side of the meter base. Service entrance conduit entering the right side of the meter base is only permissible when member service conduit is occupying the left side.

- DIAGRAM NOT TO SCALE
- CONTACT NOLIN RECC LINE DESIGN DEPARTMENT BEFORE STARTING ANY WORK
- CALL 811 BEFORE DIGGING

PAGE 1 OF 2



A Touchstone Energy® Cooperative

MAIN OFFICE: 270-765-6153

APPROVED BY:  
NOLIN RECC  
LINE DESIGN

UNDERGROUND SERVICE  
FROM PAD-MOUNTED  
TRANSFORMER TO  
DWELLING/FACILITY

LAST REVISION

03/24/2023

## NOTES

1. All meter base (service entrance) locations must be approved by Nolin's Line Design Department prior to service installation.
2. Meter base must have a horn bypass or bypass lever. Do not use a small meter base.
3. All electric connections, equipment, and equipment grounds shall comply with the National Electrical Code.
4. The member shall furnish and maintain for the life of the electrical service all conduits, conduit straps, grounds, disconnects, meter base, and all conductors beyond Nolin's point of delivery.
  - In three phase applications, Nolin shall furnish the meter base.
5. Nolin shall furnish and maintain the meter and underground service wire.
6. Energizing of the member's service is contingent upon an approved State or City electrical inspection.
7. The lower support bolt may be attached to the upper outside sleeve of the slip coupling.
8. All underground electrical conduit must have pull string installed (150 lbs test min).
9. No more than two 90 degree elbows are allowed in one run of electrical conduit.
10. Electrical conduit shall not be heated to bend.
11. The slip coupling should be installed a minimum of 4" above the final grade. Upon installation, the slip coupling should be opened (or extended) 2" to allow the coupling to both extend and retract. The slip coupling shall be installed with the large end toward the meter base.
12. Refer to "Trench and Conduit Specifications" for detailed requirements for trench and conduit.



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PAGE 2 OF 2

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