

Underground Permanent Service Conduit Information Sheet

Conduit Installation Requirements (Effective September 1, 2022)

- All conduits shall be 3" gray, electrical grade PVC, a minimum of schedule 40, where it runs underground and schedule 80 where it is exposed (from the ground to the meter base or stubbed at ground line at pole).
- All 3" gray PVC conduit bends shall have a minimum radius of 24". Short radius bends or "LBs" are not allowed.*
- Conduit shall be installed at a minimum depth of 30" when area is at finished grade and as flat as possible.
- Conduit bends shall not be closer than 10' to one another and total bend angle shall not exceed 270° (90°[house wall] +90°[turn towards specified device]+ 90°[at device or pole] =270°)*, including any bend required at pole, transformer, pedestal, or handhole.
- Conduit shall be connected to Northcentral Electric Cooperative (NEC) stubbed conduit bend, at the device or location specified by staking technician, such as pole, pad mounted transformer, pedestal, or handhole.
- In some locations, where a bend has not been stubbed by NEC, member conduit shall be stubbed within 5' of underground device specified by the staking technician and securely taped or capped shut so debris is not allowed to enter, which could damage the cable during installation.
- If underground service will originate from a pole, as specified or location staked by the staking technician, a proper bend* will also be installed at this location by the member or member contractor.

Conduit and New Underground Service Process

- After application for service has been submitted and the meter base has been determined and marked, notify NEC at 662-895-2151, so a staking technician may determine/design service path and connection point or device.
- Once designed, a sketch will be provided, and the required conduit stub location will be staked by the staking engineer.
- **Call 811 Before You Dig!**
- While trench is open and conduit is installed per the requirements above, contact the Engineering Assistant at 662-932-3414 to arrange for conduit and ditch inspection. If trench is not inspected by URD Coordinator before backfilling, conduit will need to be exposed by installer, for inspection, prior to service installation.
- After meter base is installed, breaker panel cover is in place, and location is ready for energized service, please call your staking technician and request permanent service installation at 662-895-2151.
- Once scheduled, Northcentral Electric Cooperative construction crews will work as soon as possible and after locates are complete.
- When crews arrive, they will install and connect underground service cable in conduit, transfer temporary meter to permanent meter base (or set new meter) making the location "hot". If pull rope cannot be installed or cable cannot be pulled, it is owners' responsibility to make repairs to conduit and a crew trip charge may be required.

