

Underground Conduit Placement

Specifications

Scope

The homeowner/developer/contractor is responsible for providing and adhering to the following underground requirements set by RACE.

Scheduling

- RACE needs to submit permit to Pole Owner and permit approved before any of these specifications can be executed
- Prior to the installation of any conduit, a RACE Communications Field Engineer will need to be scheduled to verify conduit route, pole conduit stub out, and home stub out.
- A RACE Communications Field Engineer will need to be scheduled for conduit inspection before trench fill. Two days advance notice must be provided prior to conduit inspection, with a three day inspection window.
- It is the homeowner / developer / contractor's responsibility to contact "Call Before You Dig" prior to any excavation
- It is the homeowner / developer / contractor's responsibility to contact local building department for any permitting requirements.
- RACE Communications will reserve the right to refuse fiber installation if any of these specifications are not met.
- A scaled print of the project showing the lot layout. To be reviewed with RACE Communications Field Engineer.

Dimension

- Any conduit run under 250' will require 2 inch Schedule 40 PVC conduit
- Any conduit run over 250' will require 3 inch Schedule 40 PVC conduit.
- Any conduit run over 400' will require a pull box location.
- All conduits, sweeps, and couplers will be glued with PVC cement
- 90 degree sweeps or bends must be a minimum of 36-inches in length at any splice location, riser pole or structure. Bends within a conduit run must be a minimum of 48-inches in length. A maximum of 3 bends/sweeps in conduit run
- All conduit runs to have ¼" nylon pull rope installed within it. Both ends of rope should be secured to outside of conduit and accessible.
- Conduit at pole location will need to be stubbed up 2' minimum.
- Conduit at structure location will need to be stubbed up 4' minimum
- Conduit install depth on private property is 12 - 18 inches. Please contact local building department for required private property depth based on county specifications.