

Underground Conduit specs

- **Conduit should be installed from the utility pole where your phone and power come from. The conduit should terminate at the house next to your existing meters.**

(if an issue exists coming from that utility pole or coming up on the house next to existing meters please call the office and ask to speak with a member of our Outside Plant Department)

- **The conduit may NOT terminate inside of the house, underneath a mobile home or underneath a porch. We must have clear access to our equipment for outages and maintenance.**

*****EXAMPLE OF CORRECT CONDUIT INSTALLATION*****



HOUSE SIDE



POLE SIDE

*****EXAMPLE OF WHAT NOT TO DO*****



Conduit should be buried 24" the entire run and come up next to the house 1 ½-2 feet above grade and secured with a u-clamp

- Conduit must be 1 1/2" diameter inside for distances up to 400'. Anything over 400' requires 2" so that we can pull the fiber without it breaking. Conduit must be "schedule 40 electrical."



DO NOT install a water pipe. That does meet our specs!



- You must use long sweeps (NO hard 90-degree elbows or “L” shaped angles)
- Bend radius 36 inch sweep



- Conduit over 400' will require pedestals, flush mount pull boxes or backboards every 400'. Please find each of those specs attached below.
- New houses should have a backboard installed if there is no siding installed yet. Mobile homes will also require a backboard for us to attach. Please note our NID dimensions are 13x10x3 1/2 the door opens 12 inches to the left and we need 12 inches below for a slack loop.
- Conduit must come up at least 1.5 - 2' above grade at both the house and the pole and in the same quadrant as the other utilities. The

conduit MUST be secured to both the pole, house or backboard with a u-clamp.



- **DO NOT install weather heads or LB's.**





- **Conduit trench should be 24" deep unless it passes under a road/driveway then the conduit will need to be buried 36" deep, some towns may have other requirements not listed here. If the conduit goes under the roadway, you will have to follow the specs of the town road foreman and potentially need a permit from the town. If there is ledge and you cannot get depth then the conduit must be encased in concrete.**
- **A Tracer Wire needs to be installed in the trench on TOP of the conduit, NOT inside the conduit. The Tracer Wire should be 14-16 gauge coated for Dig Safe and future location. Without this wire, DigSafe will not be able to locate your conduit and this may result in a future costly mistake.**



- Conduit should have a 210-250 lb tensile-strength pull string installed. The pull string should extend 2' beyond the ends of the conduit. Tie the pull string around the outside of the conduit and place an unglued cap (no weather heads) over the ends of the conduit to prevent water from entering. If you choose to not install a cap, duct seal will be used when we connect the fiber to your home (a “drop”).



*****THIS IS THE CORRECT PULL STRING TO INSTALL*****

When the underground work has been completed, call us at 1.833.ECFIBER to arrange for a quality inspection. We allow 2-3 weeks for the outside connection to be completed. Once that is done you will get an email to schedule a date and time for your inside installation.

*****BELOW IS A LIST OF LOCAL CONTRACTORS WHO HAVE EXPRESSED INTEREST IN DOING UNDERGROUND WORK, YOU MAY CALL THEM TO GET A QUOTE*****

*****IF YOU ARE USING YOUR OWN CONTRACTOR PLEASE MAKE SURE THEY HAVE THESE SPECS*****

Todd Holmes: Valley Turf Services 802-299-5213 valleyturfservices@gmail.com

Mark Krajewski: Evergreen Landscape 781-316-4754 mkrajewski@my-evergreen.com