

GUIDELINES FOR INSTALLING CONDUIT

NH Broadband is proud to serve the residents and businesses in our area. Our world-class broadband fiber network has been carefully designed to ensure the best delivery of internet and phone service for all customers. Our team of experienced technicians stands ready to assist with your connectivity and service needs.

If you desire to install your own conduit at your home/business, there are important guidelines to follow to ensure the safety and connectivity for all customers. It is the property owner's responsibility to ensure all work meets our specifications.

When Conduit is Required at Your Location

- NH Broadband encourages all customers to utilize its expertise in the installation of conduit to your physical location. Our technicians will install the conduit free of charge to ensure that all specifications are met.
- NH Broadband follows the existing power lines to a home or business. If those lines are underground, conduit must also be installed underground to carry the fiber from the utility pole to the home or business.
- Fiber cannot be shared in a conduit that carries electric lines.
- Fiber can be shared in conduit with phone service, if 1) the conduit is large enough to accommodate the fiber (a 2" conduit can usually accommodate 2 lines); 2) a pull string is present (see pull string specifications*); and 3) there are no pedestals along the conduit path that are owned by other utilities.
- NH Broadband cannot use an existing cable to pull fiber through a conduit. However, if a customer chooses to abandon an existing utility to make room for NH Broadband fiber, they may utilize that utility cable to pull a string through. NH Broadband will then use that string to pull its cable through the conduit.
- *Pull string should have a 210-250 pound tensile-strength.

**Contact NH Broadband at
(866) 431-7617 with all questions
prior to and during installation.**



Underground Installation

- Always call 811 before you dig. Those taking responsibility for the excavation work must first mark the pathway and call DIG SAFE! (811). This is the law.
- Trenches should be dug 18-24 inches deep.
- Conduit should follow the path of power and other underground utilities from the utility pole to near the electric meter located at your home or business.
- Conduit must be a minimum of .75 inch (3/4") diameter for distances under 300 feet. For any distance longer than 300 feet, a 1.25 inch (1 1/4") diameter conduit should be utilized. Schedule 40 electrical or telecom innerduct is required. Do not use water piping. If you have a longer distance (400 feet or greater) to cover, contact NH Broadband for further instructions.
- Install long sweeps, not through 90-degree elbows or angles. Fiber cannot be bent as it will affect signal strength and may damage the fiber.
- Conduit over 400 feet requires intermediate pull boxes or pedestals. Contact NH Broadband to discuss your specific circumstances prior to construction to ensure proper placement and installation.
- Conduit must be installed at least 1 1/2 – 2 feet above grade at both the house (or business) and pole. It should be secured to the pole and to the building or backboard. Conduit on the pole side must align with existing service lines. Conduit to the building **MUST** be installed and accessible on the outside of the building.
- No weather heads please. There is too high a risk for fiber to break and interrupt service. Installing temporary (unglued) caps or plastic bags on ends is helpful to keep water out prior to installation. After fiber is installed, we will use a specialized putty to plug the conduit.