

## CONTRACTOR LIST FOR FIBER OPTIC CABLE CONDUIT INSTALLATION

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<i>Bill Wanner</i> <i>Wanner Earthmoving LLC</i>	603-443-2308	Canaan, NH
<i>Ben Gray</i> <i>Gray Electric</i>	603-359-7735	Fairlee, VT
<i>Ryan Lacey</i> <i>Hanover Electric LLC</i>	603-306-7613	Hanover, NH
<i>Jason Fornwalt</i> <i>Martin's Quarry</i>	802-222-5570	Bradford, VT
<i>Graham Webster</i>	802-291-2324	Norwich, VT

LymeFiber has provided this list of contractors for the use of potential customers wishing to install fiber optic conduit. Inclusion on this list does not signify endorsement of any contractor.

### Underground Conduit Specs

- Conduit should go from your utility pole to your house where the utilities boxes are located and follow the route of other underground utilities.
- Conduit must be a minimum of 1.5" diameter for distances under 300 feet. Anything longer than 300 feet 2" diameter conduit should be installed. Conduit must be "schedule 40 electrical" (not water pipe), and use long sweeps (not 90-degree elbows or "L" shaped angles)
- Conduit over 400' will require intermediate pull boxes or pedestals. Please call our office to discuss your specific circumstance before construction commences so we can ensure proper design and installation.
- Conduit must come up at least 1.5' – 2' above grade at both the house and pole as well as secured to the pole and to house or backboard. Also, conduit on the pole side must come up in the same quadrant (same side of the pole) as existing services. Conduit on the house side **MUST** come up on the outside of the house.
- Conduit should be trenched 18"-24" deep. Install tracer wire (14-16 gauge coated on top of the conduit for Dig Safe and future location, as ValleyNet does **not** use "toneable" cable.
- Conduit should have a 210-250lb tensile-strength pull string installed.
- The pull string should extend about 2 ft. beyond the ends of the conduit. Tie the pull string around the outside of the conduit and place an unglued cap over the ends of the conduit to prevent water from entering.
- No weather heads please. There is too high a risk for fiber to break and interrupt service.