

## Private Utilities

All underground utilities are to be placed immediately after preparation of the roadway to subgrade, yet prior to placement of select roadway materials in streets under construction. ALL underground utilities shall have detectable tape or tracer wire placed 12” over the crown of the utility.

When underground utilities are encountered, the contractor shall notify the appropriate agency to assure proper construction procedure in that area. Any damage to a utility is to be reported to and repaired by that utility prior to backfilling.

Any poles, structures, conduits, cables or wires, the location of which **have already been approved** by the local land use board as part of a subdivision, site plan, or other development approval, shall, if such location becomes a public highway, be deemed legally permitted or licensed without further proceedings under RSA 231:61-a; provided, that copies of the appropriate utilities' easements, work plans, or other data showing locations of such structures, are submitted to the municipality for recording purposes.

Any poles, structures, conduits, cables or wires, the location of which **have not been approved** shall be subjected to the approval of the Poles and Wires Committee through the Engineering Services Division.

**Abandoned or unused utilities** that are required to be discontinued, sealed, or removed within the scope of a project shall be taken care of prior to placement of select or finished materials such as gravel, pavement, and landscaping.

### Electric

The Engineering Division requires all underground electric conductors to be contained within rigid conduits at all road crossings. Crossings shall be perpendicular to the roadway whenever possible.

**Conduit Required:** These requirements apply to all primary and secondary electric service installations within the paved area of the street and extending to a point at least 3-feet, measured perpendicular to the traveled way, beyond the edge of pavement.

1. 5-inch (min) diameter Schedule 80 PVC or 5-inch (min) diameter rigid steel conduit (contractor's option).
2. Encasement with low strength concrete (Flowable Fill, NHDOT Class F, Item 520.421) may be allowed for thin walled communication conduit installations.
3. Electrical Site Work must be performed by Licensed Electrical Contractors only - ***not General Contractors.***

### Municipal Cables

Municipal fire alarm cable and traffic signal installations are under the jurisdiction of the Fire Departments - Alarm / Traffic Division – (225-8667). This division is to be notified prior to any street alterations especially at signal controlled intersections.

### Gas, Telephone and Cable TV

These underground utility service installations shall cross streets perpendicular to the traveled way in a straight trench, and at a uniform depth at least 12 inches below

subgrade. These utilities will be protected under paved areas in conduit and in the manner prescribed by that utility.

### **Fiber Optic Cable**

Fiber optic cables shall be installed according to the approved design plans. Where the utility crosses City Streets, steel, PVC or HDPE casing pipes shall be used. Tracer wires shall be placed above the conduit in the trench for all fiber optic cable installations. Additional conduit for expansion, replacement, or use by other utilities should be included in the installation.

### **Utility Conflicts**

Utility service lines (municipal and private) are to be laid out and installed to avoid crossings whenever possible. Overhead utilities and landscaping should be considered obstructions when proposing a new service location.