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1000 DESCRIPTION

This item shall govern the general construction requirements for utilities that are not owned by the Town of Frederick but are within the Town of Frederick.

1001 DESIGN CRITERIA

1. The design of utility transmission lines shall be in accordance with applicable Federal, State, and industry standards.
2. Utility transmission lines shall be placed entirely within the Town ROW or easements dedicated to that purpose. Easements shall be at least 20-feet in width for a single utility line. Easements for multiple utilities shall be 25-feet or wider as dictated by utility spacing plus 10-feet of easement outside of the most exterior utility lines.
 - a. Each utility must be installed with a minimum of 12-inches of vertical clearance from parallel or crossing utility lines and must maintain a minimum of 3-feet of horizontal clearance from parallel utility lines. These clearances may be greater depending on the types of utilities and should be verified with each utility provider.
 - b. Each utility line must be installed with at least 12-inches of clearance from any other underground structure not associated with the utility line. If this clearance cannot be attained, the utility line must be protected from damage that might result from the proximity of the other structure.

1002 CONSTRUCTION REQUIREMENTS

1. Utility installation within any existing or known proposed ROW must be backfilled with material free of organics or overly saturated material. Backfilling under existing or known proposed roads shall be accomplished to the backfilling density, moisture, and material specification of that approved or anticipated road subgrade design.
2. Backfill with appropriate bedding material per individual utility specifications.
3. All utility lines shall have metal detectable underground warning tape installed 6 to 12-inches below finished grade, regardless of location. Warning tape shall be APWA Detectable Underground Warning Tape – 5-mil, as manufactured by Presco Products, or approved equivalent. The following must be written legibly on a background of sharply contrasting color on each line marker: “Warning”, “Caution” or “Danger” followed by the type of utility, i.e. gas, raw water, fiber optic, etc., in letters at least 1-inch with 1/4-inch stroke and the name of the utility operator and the telephone number where the operator can be reached at all times.



1003 RECORD DRAWINGS

All utility work completed shall be recorded on "Record Drawings". These submittals shall be shown on copies of the construction drawings and to scale. Use text as necessary to provide further explanation if necessary. These drawings are part of the Conditional Acceptance requirements starting the 2-year warranty period.

