

## SECTION 024113.20 PROTECTION OF EXISTING UTILITIES

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Identification and field markout of all on-site utility lines to remain in operation during construction.
- B. Submission of procedures to be used to ensure the safety of the utility.
- C. Repair of any damage during construction operations.

#### 1.2 RELATED SECTIONS AND DOCUMENTS

- A. Section 310000 - Earthwork

#### 1.3 PROJECT RECORD DOCUMENTS

- A. A preconstruction and postconstruction survey of the condition of all utilities to remain in operation during construction shall be performed by the Contractor.
- B. Accurately record actual locations and inverts of utility lines encountered during construction.

#### 1.4 REGULATORY REQUIREMENTS

- A. Notify affected utility companies before starting work and comply with their requirements.

### PART 2 - PRODUCTS

NOT APPLICABLE

### PART THREE - EXECUTION

#### 3.1 IDENTIFICATION

- A. Locate all existing utilities which are to remain in service during construction.

#### 3.2 PROTECTION

- A. Flag, barricade or suitably protect existing utilities during construction operations and equipment movement.
- B. At a minimum, Contractor shall provide timber mats at locations where equipment may damage existing utilities. Provide any other safety measures and follow any additional procedures requested by the Ramapo Utility Department, utility owner, and Owner.

### 3.3 REPAIRS

- A. Any damage to existing, operational utilities by the Contractor or his subcontractors during the on-going construction operation shall be immediately repaired to operational standards at the Contractor's expense. If the repairs are not immediately addressed by the Contractor, the utility owner and/or the Owner will contract for the repair at the Contractor's expense.
- B. Preconstruction and post construction condition surveys shall be conducted by the Contractor. Any damage to the utilities shall be repaired to the condition identified in the preconstruction survey. The Owner and/or utility owner shall determine the acceptability of any repairs.

END OF SECTION 024113.20