

## PART 1 GENERAL

### 1.1 SUMMARY

- A. Section Includes:
  - 1. Demolition and removal of buildings or structures.
  - 2. Demolition and removal of site elements.
  - 3. Disconnecting, capping or sealing, and abandoning in-place site utilities.

### 1.2 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site.

### 1.3 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
  - 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

### 1.4 PRE-work MEETING

- A. Pre-work Conference: Conduct conference at 90 Little Pond Road, Patterson, New York.
  - 1. Inspect and discuss condition of buildings, structures and site elements to be demolished.
  - 2. Review and finalize demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.

### 1.5 SUBMITTALS

- A. Qualification Data: See Asbestos Abatement Specs.
- B. Proposed Protection Measures: Submit report, including drawings, that indicates the measures proposed for protecting individuals and property. Indicate proposed locations and construction of barriers.
- C. Schedule of Demolition Activities: Indicate the following:
  - 1. Detailed sequence of demolition and removal work, with starting and ending dates for each activity.
  - 2. Coordination for shutoff and capping of utility services.
- D. Statement of Refrigerant Recovery: As needed, provide a Statement, signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all

refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.

#### 1.6 QUALITY ASSURANCE

- A. Refrigerant Recovery Technician Qualifications: Certified by an EPA-approved certification program.
- B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Standards: Comply with ANSI/ASSE A10.6 and NFPA 241.

#### 1.7 FIELD CONDITIONS

- A. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- B. Notify Engineer of discrepancies between existing conditions and Drawings before proceeding with demolition.
- C. Hazardous Materials: Hazardous materials may be present in buildings and structures to be demolished.
  - 1. Hazardous material remediation is specified elsewhere in the Contract Documents.
  - 2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.
- D. Sale of removed items or materials on-site is not permitted.
- E. Utility Service: Demolish and remove all existing utilities.

#### PART 2 PRODUCTS

NOT USED

#### PART 3 EXECUTION

##### 3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting demolition operations.
- B. Verify that hazardous materials have been remediated before proceeding with demolition operations.

### 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Be Removed or Abandoned: Locate, identify, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be demolished.
  - 1. Contractor will arrange to shut off indicated services/systems.
  - 2. Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems, equipment, and components indicated to be removed.
    - a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
    - b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material.
    - c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
    - d. Ducts to Be Removed: Remove all ducts.
- B. Refrigerant: Remove refrigerant from mechanical equipment to be demolished according to 40 CFR 82 and regulations of authorities having jurisdiction.

### 3.3 PREPARATION

- A. Site Access and Temporary Controls: Conduct demolition and debris-removal operations to ensure minimum interference with roads, and other adjacent homeowners.
  - 1. Contractor shall lock existing gate during all times the contractor is not on the property. Contractor shall provide three (3) extra keys to the Engineer.

### 3.4 DEMOLITION, GENERAL

- A. General: Demolish and remove existing buildings, structures and site elements as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
  - 1. Proceed with demolition systematically, from higher to lower level. Complete demolition operations above each floor or tier before disturbing supporting members on the next lower level.
  - 2. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
  - 3. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
  - 4. Locate demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- B. Explosives: Use of explosives is not permitted.

### 3.5 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials from Owner's property and legally dispose of them.

END OF SECTION 02 41 19