

## PART 1 - GENERAL

### 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

#### AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI A10.6 (1990) Demolition Operations

### 1.2 GENERAL REQUIREMENTS

Do not begin demolition until authorization is received from the Contracting Officer. Remove rubbish and debris from the station daily; do not allow accumulations inside or outside the buildings. Store materials that cannot be removed daily in areas specified by the Contracting Officer.

### 1.3 SUBMITTALS

Submit the following in accordance with section 01330, "Submittal Procedures."

#### 1.3.1 SD-08, Statements

##### a. Demolition plan

Submit proposed salvage, demolition and removal procedures to the Contracting Officer for approval before work is started.

##### 1.3.1.1 Required Data

Demolition plan shall include procedures for careful removal and disposition of materials specified to be salvaged, coordination with other work in progress, a disconnection schedule of utility services, a detailed description of methods and equipment to be used for each operation and of the sequence of operations.

##### 1.3.1.2 Schedule

Demolition plan should be submitted in draft format at least seven (7) days prior to the Preconstruction Meeting. The final demolition plan should be submitted with all corrections incorporated within five days after comments are provided by the Contracting Officer.

### 1.4 REGULATORY AND SAFETY REQUIREMENTS

Comply with federal, state, and local hauling and disposal regulations. In addition to the requirements of the "Contract Clauses," safety requirements shall conform with ANSI A 10.6.

#### 1.4.1 Notifications

Furnish timely notification of demolition projects to Federal, State, regional, and local authorities in accordance with 40 CFR 61-SUBPART M. Notify the Regional Office of the United States Environmental Protection Agency (USEPA) and the Contracting Officer in writing 10 days prior to the commencement of work in accordance with 40 CFR 61-SUBPART M.

## 1.5 DUST AND DEBRIS CONTROL

Prevent the spread of dust and debris and avoid the creation of a nuisance or hazard in the surrounding area. Do not use water if it results in hazardous or objectionable conditions such as, but not limited to, ice, flooding, or pollution.

## 1.6 PROTECTION

### 1.6.1 Traffic Control Signs

Where pedestrian and driver safety is endangered in the area of removal work, use traffic barricades with flashing lights. Notify the Contracting Officer prior to beginning such work.

### 1.6.2 Existing Work

Protect existing work which is to remain in place, be reused, or remain the property of the Government. Do not overload pavements to remain.

### 1.6.3 Facilities

Protect electrical and mechanical services and utilities. Where removal of existing utilities and pavement is specified or indicated, provide approved barricades, temporary covering of exposed areas, and temporary services or connections for electrical and mechanical utilities.

## 1.7 RELOCATIONS

Perform the removal and reinstallation of relocated items as indicated with workmen skilled in the trades involved.

### 1.7.1 Plant Relocation

#### 1.7.1.1 Definition

When noted on the drawings, "RELOCATE (designated plant material)" shall mean to remove and relocate the plant to the location identified on the drawings.

#### 1.7.1.2 Preparation

Prior to digging the tree to be transplanted, the Contractor shall prepare the planting hole to which the tree is to be relocated. The location of the new planting hole will be identified on the drawing by the Owner's representative in the field. The planting hole shall be a minimum of 24 inches wider than and the same depth as the root ball of the tree to be transplanted. The planting hole shall have vertical sides.

#### 1.7.1.3 Transplantation

Trees shall be transplanted using a Vermeer (or equal) tree spade of minimum 80 inches. Contractor shall dig a minimum of 8 inches of root ball per one inch of trunk caliper. Caliper measurement shall be made 6 inches above finish grade.

#### 1.7.1.4 Placement

The root ball of the transplanted tree shall be placed on firm ground in the planting hole, not on backfill. The tree shall be placed in an upright position with its root crown neither above nor below original ground level with the tree in the same orientation it had in the original site. Lower the tree into the planting hole gently; do not disturb the root ball or allow hair roots to dry. Water shall be added to the planting hole during installation, and backfill material shall be gently tamped and firmed into place. Backfill material shall be composed of a minimum of one-third bulk of all pits. Backfill material is defined in Section 3.2.2 - Soil Preparation.

#### 1.7.1.5 Watering

The transplanted trees and shrubs shall immediately be watered thoroughly with 2-3 inches of water (1-1/4 to 3-3/4 gallons of water per square foot of soil surface). The water shall be applied slowly enough to ensure good penetration with minimum runoff. The tree shall be watered as specified above 1 to 2 times per week or as needed depending on natural rainfall for a minimum of three months.

### PART 2 - PRODUCTS

Not used.

### PART 3 - EXECUTION

#### 3.1 EXISTING FACILITIES TO BE REMOVED

##### 3.1.1 Utilities and Related Equipment

Remove existing utilities, as indicated and terminate in a manner conforming to the nationally recognized code covering the specific utility and approved by the Contracting Officer. Remove meters and related equipment and deliver to a location in accordance with instructions of the Contracting Officer. If utility lines are encountered that are not shown on drawings, contact the Contracting Officer for further instructions. For those utilities to be removed by others, the Contractor is responsible for coordination and scheduling with those entities.

##### 3.1.2 Paving and Slabs

Remove concrete and asphaltic concrete paving and slabs as indicated. Provide neat sawcuts at limits of pavement removal as indicated.

##### 3.1.3 Concrete

Saw concrete along straight lines to a depth of not less than 2 inches.

#### 3.2 DISPOSITION OF MATERIAL

##### 3.2.1 Title to Materials

Except where specified in other sections, all materials and equipment removed, and not reused, shall become the property of the Contractor and shall be removed from Government property. Title to materials resulting from demolition, and materials and equipment to be removed, is vested in the Contractor upon approval by the Contracting Officer of the Contractor's demolition and removal procedures, and authorization by the Contracting

### 3.2.2 Reuse of Materials and Equipment

Remove and store materials indicated.

### 3.3 CLEANUP

#### 3.3.1 Debris and Rubbish

Remove and transport debris and rubbish in a manner that will prevent spillage on pavements, streets or adjacent areas.

END OF SECTION