

**SECTION 32 12 11**

**DEMOLITION**

**PART 1 - GENERAL**

**1.01 SUMMARY**

(a)Section includes:

- (i)Demolition of site improvements including buildings, paving, curbing, storm drainage and utilities.
- (ii)Protection of site work and adjacent structures to remain.
- (iii)Removal and legal disposal of materials.
- (iv)Prior to demolition of any building, the owner will provide an asbestos survey showing either that no asbestos was found, or that asbestos was found and if so, that it has been removed by a licensed asbestos removal contractor.
- (v)Reference section 01 74 19 Construction Waste Management and Disposal for all reporting, recycling, reuse, salvage as disposal requirements.

**1.02 QUALITY ASSURANCE**

(a)Comply with governing codes and regulations. Use experienced workers.

**1.03 PROJECT 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 selective demolition.
- C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work
  - 1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Owner's Representative. Owner will remove hazardous materials under a separate contract.
- D. Storage or sale of removed items or materials on-site is not permitted.
- E. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
  - 1. Maintain fire-protection facilities in service during selective demolition operations.

**1.04 WARRANTY**

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void warranties.

**PART 2 – PRODUCTS (NOT USED)**

**PART 3 – EXECUTION**

**3.01 GENERAL**

**3.02 EXAMINATION**

- (a) Verify that utilities have been disconnected and capped.
- (b) Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- (c) Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.

### **3.03 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS**

- (a) Existing Services/Systems: Maintain services/systems and protect them against damage during selective demolition operations.

### **3.04 PREPARATION**

- (a) Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- (b) Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  - (i) Provide protection in the form of a 6-foot-tall chain link fence to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
  - (ii) Protect walls and other existing finish work that are to remain or that are exposed during selective demolition operations.
  - (iii) Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary enclosures as specified in Division 00 Section "General Conditions."

### **3.05 DEMOLITION**

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated in the plans and specifications. Use methods required to complete the Work within limitations of governing regulations.
- B. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Owner's Representative, items may be removed to a suitable, protected storage location during selective demolition and reinstalled after selective demolition operations are complete.
- C. Do not close or obstruct streets, walks, drives or other occupied or used spaces or facilities without the written permission of the Owner and the authorities having jurisdiction. Do not interrupt utilities serving occupied or used facilities without the written permission of the Owner and authorities having jurisdiction. If necessary, provide temporary utilities.
- D. Cease operations if public safety or remaining structures are endangered. Perform temporary corrective measures until operations can be continued properly and safely.
- E. Provide adequate protection against accidental trespassing. Secure project after work hours.

### **3.06 DISPOSAL OF DEMOLISHED MATERIALS**

- A. General: The owner requires this project to generate the least amount of trash and waste possible. Except for items or materials indicated to be recycled, reused, salvaged, reinstalled, or otherwise

indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.

1. Under any circumstances, the following items must be recycled, reused, or salvaged. They may not be disposed of in landfills or by incineration:
  - a) Aluminum and plastic beverage containers.
  - b) Corrugated cardboard.
  - c) Wood pallets.
  - d) Clean dimensional wood.
  - e) Land clearing debris, including brush, branches, logs and stumps.
  - f) Metals, including packaging banding, metal studs, sheet metal, structural steel, piping, reinforcing bars, door frames, and other items made of steel, iron, galvanized steel, stainless steel, aluminum, copper, zinc, lead, brass, and bronze.
2. Do not allow demolished materials to accumulate on-site.
3. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

B. Burning: Do not burn demolished materials. Burning on-site is not allowed.

C. Waste Disposal Reports: contractor shall submit periodic waste disposal reports, which list all landfill disposal, incineration, recycling, salvage, and reuse. The listings must be reported regardless of to whom the cost or savings accrues, using the same units of measure on all reports.

### **3.07 CLEANING**

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

**-END OF SECTION-**