

SECTION 02 41 13 - SELECTIVE SITE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Demolition of existing site improvements made obsolete by this project, as indicated or implied by the contract documents.
2. Removal of demolition items and debris from site.
3. Protection of items to remain.
4. Abandonment of items indicated in contract documents.
5. Removal, storage and protection of items to be salvaged.
6. The removal of asbestos or lead containing products is not included in this scope of work. If such materials are discovered during demolition, notify the Owner immediately.

1.2 REQUIREMENTS

A. General:

1. Proper access and function of existing facility operations must be maintained at all times.
2. Demolition activities shall not interfere with or interrupt the operations of the facility, employees or the public.
3. A complete and operable utility system must be maintained at all times.
4. Sufficient parking and site access must be maintained at all times.
5. The route for construction traffic and the removal of debris shall be limited to specific areas. See Drawings for further information.
6. Contractor is solely responsible for providing all permanent and temporary means to ensure site access, utility services and other required conditions are maintained at all times.

B. Miscellaneous:

1. On-site burning is not permitted.
2. Blasting or any other use of explosives is not permitted.
3. Use of heavy vibratory or other similar means that cause excessive nuisance to the public or compromise safety of existing facilities is not permitted.
4. Comply with NFPA 241 (latest edition).

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Concrete: If required, shall comply with Division 32 Section "Site Concrete".
- B. All other materials not specifically described but required for proper completion of the work shall be selected by the Contractor subject to approval of the Architect/Engineer and Owner.

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PART 3 - EXECUTION

3.1 PREPARATION

- A. Refer to Division 02 Section "Maintenance of Existing Conditions" for verification and maintenance of existing site conditions.
- B. Coordination:
 - 1. Contact Owner prior to site mobilization to discuss and verify site access and routing requirements. Prepare a schedule if requested by Owner.
 - 2. Before commencing the work of this Section, verify with the Architect/Engineer and Owner all items to be removed, all items to remain and all items to be salvaged.

3.2 GENERAL

- A. Protection:
 - 1. Demolition shall be done in such a manner to protect adjacent materials.
 - 2. Use all necessary and appropriate means to prevent the spread of dust during demolition.
 - 3. Protect employees and public from dust, noise, light, vibration, odor and all other types of nuisances and hazards.
 - 4. Protect all existing items to remain. If such items are damaged, they shall be repaired or replaced by the Contractor to the Owner's satisfaction at no additional cost to Owner.
 - 5. Items to be demolished as indicated in contract documents or made obsolete by field conditions shall be removed and disposed of off the project site. Abandoning such items in place shall not be permitted unless specifically indicated in the contract documents or approved by Architect/Engineer and Owner.
 - 6. Avoid overloading of existing structures by either a build-up of demolished items or by impact loading of demolished items on the existing structure.
 - 7. Bracing and shoring and other similar and appropriate means shall be used where necessary to avoid collapse or other compromising of structures or materials.
- B. Demolition:
 - 1. Items indicated in contract documents to be demolished shall be removed, demounted or disconnected in the best possible manner to ensure that no damage will result to other adjacent items or surfaces to remain.
 - 2. Abandoning demolished items in place is not permitted unless specifically indicated in the contract documents or approved by Architect/Engineer and Owner.
 - 3. For items indicated or approved as being abandoned in place, the means of abandonment shall be reviewed and approved by the Architect/Engineer and Owner prior to abandonment.
 - 4. Phase demolition as described in the contract documents, as required per field conditions and per Owner's request.
- C. Salvage:
 - 1. Protect items to be salvaged during removal, handling and storage.
 - 2. All reusable items salvaged during demolition operations shall be retained for the Owner's inspection. Only items so inspected and rejected by the Owner shall be disposed. All other such items shall be turned over to the Owner.

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D. Cleaning:

1. Areas in which demolition and salvage work are being done shall be cleaned daily.
2. All dirt, dust, debris, unsalvageable and non-reusable items and similar items shall be removed from the project site daily.
3. Under no circumstances shall such refuse be allowed to collect for longer periods.
4. Refuse shall not be allowed to block or otherwise impair circulation in corridors, stairs, sidewalks or other traffic areas at any time.

E. Disposal:

1. Except for items or materials indicated to be reused, salvaged, reinstalled or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them at an EPA-approved landfill.

3.3 JOB COMPLETION

- A. At the completion of demolition activities, ensure all demolition debris is removed from site. Restore adjacent areas to original condition and repair any damaged items to Owner's satisfaction at no additional cost to Owner.

END OF SECTION 02 41 13