

**SECTION 02 41 16
BUILDING DEMOLITION**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Division 1, General Requirements, are included as a part of this Section.
- B. A set of plans that show which buildings and utilities are being removed, demolished, or modified; and the buildings and utilities remaining.

1.2 SECTION INCLUDES

- A. Demolition of designated structures or portions thereof and removal of materials from site
- B. Demolition and removal of foundations and slabs-on-grade
- C. Disconnecting and removal of identified utilities
- D. Removal of underground tanks and piping
- E. Salvage of designated items.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Shop Drawings: Indicate demolition and removal sequence and storage location for salvageable items, location, and construction of barricades, fences, and temporary work.

1.4 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01 77 00
- B. Accurately record actual locations of capped utilities, subsurface obstructions, and structures

1.5 QUALIFICATIONS

- A. Demolition Firm: Company specializing in performing the Work of this Section with minimum five years documented experience.

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable codes for demolition of structures, safety of adjacent structures, dust control, runoff, and erosion control, and disposal of demolished materials.
- B. Obtain required permits from authorities having jurisdiction.
- C. Notify affected utility companies by calling 811 before starting work and comply with their requirements.
- D. Do not close or obstruct roadways, sidewalks, and hydrants, without permits.
- E. Conform to applicable regulatory procedures when discovering hazardous or contaminated materials.
 - 1. Contact the Architect and Owner immediately.
- F. Test soils around buried tanks for contamination.
- G. No demolition will occur during school hours without the written permission of the Owner.
- H. Obtain Palm Beach County School District Environmental & Conservation Services certification/approval prior to demolition/invasive testing.

1.7 ABATEMENT

- A. The Owner will provide an abatement survey.
- B. The Owner or his contractor will remove ACM friable or potentially ACM friable hazardous material.
 - 1. The Owner's contractor will also remove other hazardous material.
- C. The Owner will pay all costs of abatement.
- D. Maintain dust control by adequately wetting the demolition debris.

1.8 SALVAGE

- A. The owner has the first right to salvage reusable equipment.

The School District of Palm Beach County

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1.9 DEMOLITION

- A. Demolition is by the Owner or under the general construction contract, as indicated on the drawings.
- B. DO NOT use Explosives during demolition or construction.

PART 2 PRODUCTS

2.1 FILL MATERIALS

- A. Fill Material: Type fill as specified in Division 2.

PART 3 EXECUTION

3.1 PREPARATION

- A. Provide, erect, and maintain temporary barriers and security devices.
- B. Protect existing landscaping materials, appurtenances, structures that are not to be demolished.
- C. Prevent movement or settlement of adjacent structures.
 - 1. Provide bracing and shoring.
- D. Mark location of utilities.

3.2 DEMOLITION REQUIREMENTS

- A. Conduct demolition to minimize interference with adjacent structures.
- B. Cease operations immediately if adjacent structures appear to be in danger.
 - 1. Notify Architect and Owner.
 - 2. Do not resume operations until directed.
- C. Conduct operations with minimum interference to public or private accesses.
 - 1. Maintain egress and access at all times.
- D. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property.
- E. Sprinkle work with water to minimize dust.
 - 1. Provide hoses and water connections for this purpose.

3.3 DEMOLITION

- A. Disconnect, remove, cap, and identify all utilities within demolition areas.
 - 1. Properly disconnect and terminate all water, sewer, storm, gas, and electrical lines leading to the demolition area as required by code or local utility company.
- B. Remove foundation walls and footings to a minimum of two feet below finished grade beyond area of new construction.
- C. Remove concrete slabs on grade.
- D. Empty buried tanks located within demolition area, remove tanks, components, and piping from site. Dispose of materials removed from tanks per applicable codes and regulations
- E. Remove materials being re-installed or retained in manner to prevent damage. Store and protect in accordance with requirements of Section 01 60 00.
- F. Backfill areas excavated because of the demolition, in accordance with Division 2.
- G. Rough grade and compact areas affected by demolition to maintain site grades and contours.
- H. Remove demolished materials from site, and dispose of materials per applicable codes and regulations.
- I. Do not burn or bury materials on site, leave site in clean condition.
- J. Remove temporary work.
- K. When possible dispose of material to recycling centers.

END OF SECTION