**SECTION 02 41 16**

**BUILDING DEMOLITION**

**PART 1 GENERAL**

1. RELATED DOCUMENTS
   1. 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.
   2. A set of plans that show which buildings and utilities are being removed, demolished, or modified; and the buildings and utilities remaining.
2. SECTION INCLUDES
   1. Demolition of designated structures or portions thereof and removal of materials from site
   2. Demolition and removal of foundations and slabs-on-grade
   3. Disconnecting and removal of identified utilities
   4. Removal of underground tanks and piping
   5. Salvage of designated items.
3. SUBMITTALS
   1. Submit under provisions of Section 01 33 00.
   2. Shop Drawings: Indicate demolition and removal sequence and storage location for salvageable items, location, and construction of barricades, fences, and temporary work.
4. PROJECT RECORD DOCUMENTS
   1. Submit under provisions of Section 01 77 00
   2. Accurately record actual locations of capped utilities, subsurface obstructions, and structures
5. QUALIFICATIONS
   1. Demolition Firm: Company specializing in performing the Work of this Section with minimum five years documented experience.
6. REGULATORY REQUIREMENTS
   1. Conform to applicable codes for demolition of structures, safety of adjacent structures, dust control, runoff, and erosion control, and disposal of demolished materials.
   2. Obtain required permits from authorities having jurisdiction.
   3. Notify affected utility companies by calling 811 before starting work and comply with their requirements.
   4. Do not close or obstruct roadways, sidewalks, and hydrants, without permits.
   5. Conform to applicable regulatory procedures when discovering hazardous or contaminated materials.
      1. Contact the Architect and Owner immediately.
   6. Test soils around buried tanks for contamination.
   7. No demolition will occur during school hours without the written permission of the Owner.
   8. Obtain Palm Beach County School District Environmental & Conservation Services certification/approval prior to demolition/invasive testing.
7. ABATEMENT
   1. The Owner will provide an abatement survey.
   2. 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.
   3. The Owner will pay all costs of abatement.
   4. Maintain dust control by adequately wetting the demolition debris.
8. SALVAGE
   1. The owner has the first right to salvage reusable equipment.
9. DEMOLITION
   1. Demolition is by the Owner or under the general construction contract, as indicated on the drawings.
   2. DO NOT use Explosives during demolition or construction.

**PART 2 PRODUCTS**

1. FILL MATERIALS
   1. Fill Material: Type fill as specified in Division 2.

**PART 3 EXECUTION**

1. PREPARATION
   1. Provide, erect, and maintain temporary barriers and security devices.
   2. Protect existing landscaping materials, appurtenances, structures that are not to be demolished.
   3. Prevent movement or settlement of adjacent structures.
      1. Provide bracing and shoring.
   4. Mark location of utilities.
2. DEMOLITION REQUIREMENTS
   1. Conduct demolition to minimize interference with adjacent structures.
   2. Cease operations immediately if adjacent structures appear to be in danger.
      1. Notify Architect and Owner.
      2. Do not resume operations until directed.
   3. Conduct operations with minimum interference to public or private accesses.
      1. Maintain egress and access at all times.
   4. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property.
   5. Sprinkle work with water to minimize dust.
      1. Provide hoses and water connections for this purpose.
3. DEMOLITION
   1. 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.
   2. Remove foundation walls and footings to a minimum of two feet below finished grade beyond area of new construction.
   3. Remove concrete slabs on grade.
   4. 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
   5. Remove materials being re-installed or retained in manner to prevent damage. Store and protect in accordance with requirements of Section 01 60 00.
   6. Backfill areas excavated because of the demolition, in accordance with Division 2.
   7. Rough grade and compact areas affected by demolition to maintain site grades and contours.
   8. Remove demolished materials from site, and dispose of materials per applicable codes and regulations.
   9. Do not burn or bury materials on site, leave site in clean condition.
   10. Remove temporary work.
   11. When possible dispose of material to recycling centers.

END OF SECTION