

August 2013, Rev 00

02 4113 – Site Demolition

PART 1. General

1.01 This Standard specifies information for surface and sub-surface infrastructure systems demolition and removal.

1.02 General Considerations

A. Review Northern Illinois University Contractor Safety Handbook

http://www.niu.edu/ehs/constructionsafety/Contractor%20Safety%20Handbook_2013.pdf

B. Consider contacting JULIE prior to any subsurface disturbances

C. Consider contacting the Illinois Historic Preservation Agency if there is a potential for disruption of historic sites or materials.

1.03 Regulatory Requirements

A. Project sizes greater than one acre, the contractor is required to submit a “Notice of Intent for General Permit to Discharge Storm Water Associated with Construction Activities” (NOI)

B. Storm Water Pollution Prevention Plan

C. IEMA ten day notification for demolition provisions

D. IEPA Uncontaminated Soil Certification LPC 663 if material is to be hauled offsite.

1.04 Related Documents

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to this section.

1.05 Summary

A. Provide labor, materials and equipment as necessary to complete work as indicated on the Drawings and specified herein.

B. This section includes the removal of existing structures, fences, pavements, and other items indicated on the Drawings or specified, or both.

1.06 Project Conditions

- A. Erect barricades or barriers around the site prior to the commencement of demolition activities.
 1. Type and robustness of barricade should be based upon traffic patterns prior to onset of demolition and for potential of encroachment by non-work related personnel.
 - a). Silt fencing
 - b). Snow fencing
 - c). Portable chain link fencing
 - d). Any other appropriate means to restrict access to work site.
- B. Do not close or obstruct streets, walks or other occupied or used facilities without permission from the Project Representative. Provide alternate routes around closed or obstructed traffic ways if required.

PART 2. PRODUCTS

Not Used

PART 3. EXECUTION

3.01 Demolition Operations

- A. At the direction of the Project Manager, certain items within the Project limits may be salvaged by the Contractor to the Owner. Salvaged materials or equipment will be indicated on the Drawings or specified. Salvaged items not indicated or noted to be reinstalled shall be delivered to designated location(s) on campus as directed by Project Manager.
 1. Items to be salvaged include, but are not limited to:
 - a). Post and chain fencing.
 - b). Catch basins and manhole frames and covers.
 - c). Bike racks.
 - d). Litter receptacles, trash receptacles and ash urns.
 - e). Light fixtures and poles.
 - f). Face brick.
 - g). Chain link fence fabric.
 - h). Paver brick.
 - i). Limestone cap.
 - j). Steel and concrete bollards.
 - k). Benches
 - l). Bus shelters
 - m). Irrigation system components, including valves, sprinklers, and vacuum breakers.

n). Any other items identified by the Owner

- B. The use of explosives is not permitted.
- C. Conduct demolition operations and the removal of debris to ensure minimum interference with adjacent roads, streets, walks, and other facilities, operations and people.
- D. Conduct operations to prevent damage by falling debris or other cause to adjacent buildings, structures, vegetation to be retained, and other facilities as well as persons.
- E. Promptly repair damages caused to adjacent facilities by demolition operations, as directed by the Project Representative. Repairs shall be made at no cost to the Owner.

3.02 Removal of Pavements

- A. Saw cut concrete curb and gutter and flatwork on nearest existing joint beyond area required to be removed as shown on the Drawings.
- B. When the existing pavement cannot be used as the concrete form (with approval of the Project Manager), saw cut asphalt pavement with a near vertical edge.
- C. Provide a minimum of 18 inches between the new gutter pan edge and the bituminous paving edge.
- D. Remove curb and gutter and asphalt to saw cut.

3.03 Clean Up

- A. Contractor shall be responsible for disposing debris from demolition and salvage operations. Disposal of debris shall be done legally off the Owner's property, except that specifically requested for salvage by the Project Representative. Burning of debris is not permitted.
- B. During demolition operations, keep dust to a minimum using appropriate methods.
- C. During demolition operations, access roads and adjacent concrete pathways shall be maintained broom clean. Roads shall be cleaned by using a pick-up type sweeper. A front-end tractor mounted sweeper is not permitted.
- D. The site shall be graded to provide surface drainage and shall be left in a clean condition.



End of section 02 4113

This section of the NIU Design and Construction Standards establishes minimum requirements only. It should not be used as a complete specification