

August 2013, Rev 00

## 31 1000 – Site Clearing

### PART 1. - GENERAL

#### 1.01 Summary

- A. Review NIU Environmental Health & Safety (EHS), Contractor Safety Handbook, [http://www.niu.edu/ehs/constructionsafety/Contractor%20Safety%20Handbook\\_2013.pdf](http://www.niu.edu/ehs/constructionsafety/Contractor%20Safety%20Handbook_2013.pdf)
- B. Contacting the Illinois Historic Preservation Agency if there is a potential for disruption of historic sites or materials as necessary
- C. Consider contacting JULIE prior to any subsurface disturbances as necessary

#### 1.02 Work Includes

##### A. Base Bid.

- 1. General Contractor provide;
  - a. Remove surface debris.
  - b. Remove concrete sidewalks, curbs, and stairs.
  - c. Remove trees and shrubs.
  - d. Remove root system of trees and shrubs.

#### 1.03 Topographic and Property Survey

- A. Topographic and property surveys giving lot size, ground elevations, obstructions on site, locations and depths of sewers, conduits, pipes, existing structures, curbs, pavements, and tracts have been obtained from reliable sources. The accuracy of this data is not guaranteed, and is furnished solely as an accommodation to the Contractor. Use of this data shall be at the Contractor's discretion. No additional compensation will be granted due to the Contractor's lack of knowledge of site conditions. Prior to bid submission, conduct any additional surveys and soil tests you may deem necessary to verify the accuracy of the information provided. Additional surveys and tests made by the Contractor shall be made at no cost to the Owner.

#### 1.04 Related Work

- 1. Building Demolition.
- 2. Tree Pruning.
- 3. Earthwork.

4. Excavation.
5. Planting: Shrub and tree relocation.

#### 1.05 Regulatory Requirements

- A. Conform to applicable Federal, State, and City codes and Standards, for disposal of debris.
- B. Coordinate clearing work with utility companies.
- C. Comply with all local ordinances relative to erosion control. The contractor is responsible for obtaining any permit required under the National Pollution Discharge Elimination System (NPDES) from the Illinois Environmental Protection Agency, Division of Water Pollution Control.

1. 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)
2. IEPA Uncontaminated Soil Certification LPC 663 if any material is hauled offsite.

#### 1.06 Project Conditions

- A. Restore damaged improvements to original condition when acceptable to Architect. Reestablish control monuments if disturbed during site clearing operations.
- B. Provide protection of property adjoining project; limit work to construction area shown on Drawings.
- C. Dispose of materials removed from site off-site.
- D. Traffic: Conduct site cleaning operations to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities. Do not close or obstruct streets, walks, or other occupied or used facilities without permission from authorities having jurisdiction.
- E. Protection of Existing Improvements: Provide protections necessary to prevent damage to existing improvements indicated to remain in place.
  1. Protect improvements on adjoining properties and on Owner's property.
  2. Restore damaged improvements to their original condition, as acceptable to parties having jurisdiction.
- F. Protection of Existing Trees and Vegetation: Protect existing trees to remain in place, against unnecessary cutting, breaking or skinning of roots, skinning and

bruising of bark, smothering of trees by stockpiling construction materials or excavated materials within drip line, excess foot or vehicular traffic, or parking of vehicles within drip line. Provide temporary guards to protect trees and vegetation to be left standing.

1. Repair or replace trees indicated to remain, which are damaged by site clearing or construction operations, in a manner acceptable to Architect. Employ licensed arborist to repair damages to trees.
2. Replace trees which cannot be repaired and restored to full-growth status, as determined by arborist.

G. Salvageable Improvements: Carefully remove items indicated to be salvaged, and store on Owner's premises where indicated or directed.

#### 1.07 Joint Utility Locating Information for Excavators (JULIE)

A. Joint Utility Locating Information for Excavators (JULIE) System exists in the State of Illinois.

1. All utility companies and municipalities having utility lines are part of this system.
2. Contractor can call JULIE number - 1-800-892-0123 (minimum 48 hours in advance), and they will notify all members utility companies involved that their respective utility should be located.

B. Other utilities which do not subscribe to the JULIE System and have utilities which are affected by the construction shall also be contacted for assistance in locating their facilities.

### PART 2. - PRODUCTS

#### 2.01 Disposal

- A. Recycling of material is encouraged
- B. Dispose of all surplus, unstable and unsuitable materials in a legal manner.

### PART 3. - EXECUTION

#### 3.01 Preparation

- A. Verify that existing plant life and features designed to remain are tagged or identified.

#### 3.02 Protection

- A. Protect utilities that remain from damage.
- B. Protect trees, plants, shrubs, and features designated to remain as final landscaping.
- C. Protect bench marks and existing structures from damage or displacement.

### 3.03 Clearing

#### A. General

- 1. Clear areas required for access to site and execution of Work.
- 2. Remove concrete sidewalks, curbs, and stairs indicated
- 3. Remove trees and shrubs indicated. Remove stumps, main root ball, and root system to a depth of 120”.
- 4. Remove trees, shrubs, grass and other vegetation, improvements, or obstruction interfering with installation of new construction. Remove such items elsewhere on site or premises as specifically indicated. Removal includes digging out stumps and roots.
  - a. Stump must be ground to complete removal. Remaining cavity to be back filled properly with approved material.
  - b. Carefully and cleanly cut roots and branches or trees indicated to be left standing, where such roots and branches obstruct new construction.
- 5. Clear undergrowth and deadwood without disturbing subsoil.
- 6. Apply herbicide to remaining stumps to inhibit growth.

#### B. Topsoil: Strip topsoil 6" or in a manner to prevent intermingling with underlying subsoil or other objectionable material. Stockpile topsoil in storage piles where directed. Construct storage piles to freely drain surface water. Cover storage piles if required to prevent windblown dust.

- 1. Where trees are indicated to be left standing, stop topsoil stripping a sufficient distance to prevent damage to main root system.
- 2. Remove excess topsoil from site if not used for finish grading.

#### C. Clearing and Grubbing: Clear site of trees, shrubs and other vegetation, except for those indicated to be left standing.

- 1. Completely remove stumps, roots, and other debris protruding through ground surface. Use only hand methods for grubbing inside drip line of trees indicated to be left standing.

#### D. Removal of Improvements: Remove existing above-grade and below-grade improvements necessary to permit construction, and other work as indicated.

1. Abandonment or removal of certain underground pipe conduits may be shown on mechanical or electrical drawings, and is included under work of those sections. Removal of abandoned underground piping or conduit interfering with construction is included under this section.
  - E. Protect and maintain existing roadways and drainage structures to remain, in existing condition; repair all items damaged.
- 3.04 Disposal of Waste Materials
- A. Burning on Owner's Property: Burning is not permitted on Owner's property.
  - B. Removal from Owner's Property: Remove waste materials and unsuitable and excess topsoil from Owner's property and dispose of off-site in legal manner.
- 3.05 Control Monuments
- A. Provide land surveyor who re-establishes control monuments disturbed by construction operations or when indicated on Drawings to be relocated.

End of Division 31 1000

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