

SECTION 01001 – DEMOLITION SPECIFICATIONS

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. This specification covers the demolition of structures, improvements and associated appurtenances as detailed within the Scope of Work, Attachment A and as specified herein.
- B. Unless otherwise noted, references to “Contractor” means “Demolition Contractor”, for Specification Section 01001, Demolition.
- C. All demolition activities shall be performed in strict accordance with applicable EPA and OSHA regulations, as well as any other applicable codes and regulations that may apply.

1.2 WORK INCLUDED

- A. The Scope of Work shall include the provision of all labor, equipment, materials, insurance, and permits necessary for the demolition of structures indicated in the Scope of Work, Attachment A and specified herein. The Contractor, by submitting a bid for the work, represents itself as knowledgeable and expert in the performance of the work, and shall account for all expenses necessary to successfully complete the Scope of Work, whether specifically mentioned or not.
- B. The Scope of Work includes all work activities necessary for the demolition of structures including the handling, storage, recycling, and disposal of waste materials.
- C. Unless otherwise noted, the scope of items to be demolished and removed from the Site shall include structures; foundations; basements; floor slabs; under slab plumbing (storm, sewer, floor drains, etc.); septic systems; wells; electrical, gas and telephone cables to the structure; concrete and asphalt slabs; miscellaneous debris on the site; appliances, furnaces, white goods and any other related items located within or associated with the structure.

1.3 APPLICABLE STANDARDS AND GUIDELINES

- A. All work under this Contract shall be done in strict accordance with applicable Federal, State and local regulations, standards and codes governing project related work activities.
- B. The most recent edition of any relevant regulations, standards, documents or codes shall be in effect. Where conflict among the requirements of with these specifications exists, the most stringent requirements shall be utilized.
- C. The following regulations and standards shall be adhered to in addition to any other applicable standards:
 - 1. American National Standards Institute (ANSI)

- a. ANSI A10.6 1990; R 1998 - Safety Requirements for Demolition Operations

1.4 NOTIFICATION AND SUBMITTALS

- A. The Contractor shall be responsible for contacting the appropriate utility locating service to arrange for the demarcation of utilities at the Site prior to the commencement of demolition activities.
- B. The Contractor shall obtain all building demolition permits as per Federal, State and local regulations and ordinances.
- C. A copy of the demolition/renovation/asbestos abatement notice shall be submitted to the IEPA as required by, NESHAPS, 40 CFR 61, Subparts A and M and also as required by any and all appropriate federal, state, and local agencies a minimum of ten (10) working days prior to the commencement of demolition activities.
- D. Upon completion of demolition activities, the Contractor shall submit written certification to the Owner that all work has been completed in conformance with all applicable Federal, State, and local regulations and that all demolition debris has been removed from the site and legally transported and disposed of at an approved waste disposal facility.

PART 2 – CONTRACTOR RESPONSIBILITIES

2.1 SUPERVISION

- A. The Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract documents. The Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
- B. At all times during the progress of the Work, the Contractor shall assign a competent superintendent who shall not be replaced without notice to the Owner and the Owner's Representative except under extraordinary circumstances. The superintendent will be the Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or received from the superintendent shall be binding on the Contractor.

2.2 LAWS AND REGULATIONS

- A. The Contractor shall give all notices required by and shall comply with all Federal, State, and local Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither the Owner nor the Owner's Representative shall be responsible for monitoring the Contractor's compliance with any Laws or Regulations.
- B. If the Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, the Contractor shall bear all claims, costs, losses, and damages (including

but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be the Contractor's primary responsibility to make certain that the specifications and drawings are in accordance with Laws and Regulations, but this shall not relieve the Contractor of the obligations to perform Work according to Federal, State, and local Laws and Regulations.

- C. The Contractor shall hold or obtain all required Contractor's Business Licenses as required by State and local Laws and Regulations. The Contractor shall provide this license upon the request of the Owner.

2.3 SAFETY AND PROTECTION

- A. The Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. The Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:
 - 1. All persons on the Site or who may be affected by the Work;
 - 2. All the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
 - 3. Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.
- B. The Contractor shall comply with all applicable Federal, State, and local Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of underground facilities and other utility owners when execution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.
- C. All damage, injury, or loss to any property referred to in this Section caused, directly or indirectly, in whole or in part, by the Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by the Contractor (except damage or loss attributable to the fault of drawings or specifications or to the acts or omissions of the Owner or Owner's Representative).
- D. The Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and the Owner or Owner's Representative has determined the Work to be acceptable for project completion.
- E. The Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

2.4 INSURANCE

- A. Before any Work at the Site is initiated, the Contractor shall supply the Owner with a valid Certificate of Insurance.
- B. The Certificate shall identify the Owner and its Agents and True North Consultants, Inc. as additionally insured parties. Copies of the certificates shall be supplied to each of the additionally insured parties.
- C. The Contractor shall maintain Commercial General Liability including coverage for Premises-Operations, Contractual Liability, Personal Injury, and Broad Form Property Damage (including coverage for Explosion, Collapse, and Underground Hazard) in the following amounts.
 - 1. \$2,000,000 Each Occurrence
 - 2. \$5,000,000 General Aggregate
 - 3. \$2,000,000 Personal Injury
- D. Automobile Liability (owned, non-owned, and hire vehicles) for bodily injury and property damage shall be maintained in the amount of \$500,000 for each accident.
- E. Excess liability coverage shall be maintained for not less than \$5,000,000.
- F. All other insurance coverage not specified shall meet the minimum requirements of the State of Illinois for which the Contractor is required to purchase and maintain for the Work to be performed. The Owner may request additional insurance coverage at a later time at the expense of the Owner.
- G. To the fullest extent permitted by Federal, State, and local Laws and Regulations, Contractor shall indemnify and hold harmless the Owner and Owner's Representative, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to an conditions created by Contractor or by anyone for whom Contractor is responsible. Nothing in this paragraph shall obligate the Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

2.5 UNDERGROUND FACILITIES

- A. The information and data shown or indicated in the contract documents with respect to existing underground facilities at or contiguous to the Site is based on information and data furnished to the Owner or Owner's Representative by the owners of such underground facilities.
- B. The Owner and Owner's Representative shall not be responsible for the accuracy or completeness of such information or data.

- C. The Contractor shall be responsible for location verification of all subsurface utilities on-site. The Contractor shall maintain in good working order all utilities to remain in use-on site during Work.

PART 3 – EXECUTION

3.1 EXISTING STRUCTURES

- A. Before beginning any demolition work the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The Contractor shall take necessary precautions to avoid damage to existing structures, pavements, etc. to remain in place. Any damaged items shall be repaired or replaced as approved by the Owner at no additional cost to the Owner.
- B. Do not disturb any existing construction beyond the extent indicated or necessary for demolition activities. Provide protective measures to control accumulation or migration of dust and debris from the work area to adjacent properties.

3.2 TRAFFIC & SITE CONTROL

- A. Where pedestrian and driver safety may be endangered in the area of demolition activities or material handling, traffic barricades with flashing lights or other methods shall be employed to protect civilians or other contractors from undue hazards.
- B. Contractor shall provide fencing, barricades, etc. on premises to safeguard the public and adjoining properties from hazards. Construction fencing to be installed prior to demolition.

3.3 DUST & NOISE

- A. Contractor shall institute controls to the extent feasible to prevent the spread of dust and debris to surrounding areas. Control methods shall include the use of water or dust suppressants to mitigate the generation and transmission of dusts at the site, haul roads or other areas disturbed by operations. Do not use water if it results in hazardous or objectionable conditions such as, but not limited to ice, flooding, or pollution.
- B. The Contractor shall make use of low-noise emission equipment and shall minimize noise levels to the extent feasible during demolition activities.

3.4 NATURAL RESOURCES

- A. The Contractor shall conduct their work in such a manner to preserve the natural resources within the project boundaries and outside the limits of the work area. The Contractor shall restore to an equivalent or improved condition upon completion of work. The Contractor shall confine construction activities to within the limits of the work indicated or specified. The Contractor shall conform to the national permitting requirements of the Clean Water Act.

- B. Except in areas to be cleared, the Contractor shall not remove, cut, deface, injure, or destroy trees or shrubs without prior permission from the Owner. The Contractor shall not fasten or attach ropes or cables to existing nearby trees for anchorage without prior permission from the Owner.
- C. All requirements for Stormwater Pollution Prevention and Erosion Control as required by the Environmental Protection Agency (EPA) National Pollution Discharge and Elimination Systems (NPDES) shall be the responsibility of the Contractor. Any and all costs associated with erosion control and stormwater pollution control measures shall be included within the Contractor's bid cost.

3.5 HAZARDOUS MATERIALS

- A. The Contractor shall ensure that all containers of hazardous materials have NFPA labels or their equivalent. Copies of the MSDS for hazardous materials shall be kept on-site at all times and provided to the Owner upon request.
- B. The Contractor shall conduct the fueling and lubricating of equipment and motor vehicles in a manner that protects against spills and evaporation. All used oil generated on-site shall be managed in accordance with 40 CFR 279. The Contractor shall determine if any used oil generated, while on-site exhibits a characteristic of hazardous waste. In addition, used oil containing 1000 parts per million of solvents will be considered a hazardous waste and disposed of at Contractor's expense.
- C. The Contractor shall prevent oily or other hazardous substance from entering the ground drainage areas, or local bodies of water.
- D. The Contractor shall take precautions to prevent spills of oil and hazardous material. In the event of a spill, the Contractor shall immediately notify the Owner. Spill response shall be in accordance with 40 CFR 300 and applicable State regulations and the responsibility of the Contractor.
- E. Any PCB-containing ballasts, mercury-containing thermostats, and fluorescent lamps shall be collected separately and recycled.
- F. In the event that building materials of unknown asbestos-content are identified during the demolition process, the Contractor shall immediately notify the Owner at which point the asbestos content of suspect materials will be determined by the Owner's Representative.

3.6 DEMOLITION PLAN

- A. Prior to the initiation of demolition activities, the Contractor shall develop a demolition plan including a detailed description of methods and equipment to be used for each operation and the sequence of operations.

- B. The demolition plan shall include the various controls to protect the environment, the Contractor's employees, and the public. The demolition plan shall include procedures for the careful removal and disposition of materials specified to be salvaged, coordination with other work in progress, disconnection schedule of utility services, and a detailed description of methods and equipment to be used for each operation and the sequence of operations.

3.7 STRUCTURES

- A. All above grade structures including power light poles, fire hydrants, and other objects residing above grade, shall be demolished to 1-foot below ground surface and backfilled with satisfactory fill material.
- B. Foundations and underground structures shall be removed in their entirety, regardless of depth.
- C. If the structure is a manhole or vessel, the void shall be filled to ground surface with concrete.

3.8 GRADING & BACKFILL

- A. Holes and excavations shall be backfilled with porous granular material and compacted to the same density as the adjoining area unless otherwise stated.
- B. All areas affected by the demolition must be graded and leveled to prevent ponding of water. The final surface cover shall support vegetation to prevent erosion.

3.9 DISPOSITION OF MATERIAL

- A. All materials removed, shall be disposed of at an approved waste disposal facility.
- B. Whenever feasible, demolition debris should be segregated for recycling and/or reclamation.
- C. The Contractor shall maintain and provide to the Owner upon demolition completion all waste transport and disposal load tickets.