

AGREEMENT EXHIBIT 15

SITE PREPARATION

PART 1 GENERAL

1.1 CONTRACT REFERENCES

- A. Attention is directed to the CONTRACT DOCUMENTS which are hereby made a part of this Section of the Specifications.

1.2 WORK DESCRIPTION

- A. The Contractor shall perform all work and supply all labor, material, tools and equipment necessary to:

- 1. Clear and grub designated areas.

1.3 SECTION INCLUDES

- A. Clearing and grubbing designated areas.
- B. Mobilization.

1.4 RELATED SECTIONS

- A. Exhibit 16: Earthwork
- B. Exhibit 17: Excavation of Contaminated Soil
- C. Exhibit 18: Topsoil Placement, Seeding and Plantings

1.5 DEFINITIONS

- A. Clearing: Removal of all vegetation within designated work areas (except as designated by the Engineer) allowing sufficient perimeter area to successfully complete required work.
- B. Grubbing: Removal of all stumps, roots, concrete rubble, protruding rock, white goods, trash and any other debris from within the designated work area.

1.6 REGULATORY REQUIREMENTS

- A. All work shall comply with safety rules and regulations of local and State agencies having jurisdiction. Nothing contained herein shall be construed as permitting work that is contrary to such rules, regulations, and codes.

- B. The Contractor shall obtain and pay for required permits from authorities, notify affected utility companies before starting work, and comply with authorities and utility companies requirements.
- C. All erosion and sedimentation control work shall be conducted in accordance with the Erosion and Sedimentation Control Guidelines (MassDEP Division of Water Supply).

1.7 QUALITY ASSURANCE

- A. The Contractor shall obtain the Engineer's acceptance of staked clearing prior to commencing site preparation work. This shall be done by clearly marking the limits of clearing.

1.8 SCHEDULING AND SEQUENCING

- A. Clearing activities shall be performed only after erosion and sediment controls are in place.
- B. All land disturbing activities shall be planned and conducted to minimize the size of the area exposed at any one time and the length of the time of exposure.
- C. All land disturbing activities shall be planned and conducted in a manner, which minimizes off-site sedimentation damage.

1.9 MOBILIZATION

- A. Mobilization shall include but not be limited to, these principal items:
 - 1. Establishing temporary construction power.
 - 2. Providing on site sanitary facilities and potable water facilities as specified and as required by Local Regulations and governing agencies.
 - 3. Posting OSHA and other regulatory authorities and agencies required notifications and establishing safety programs and procedures.
 - 4. Having the Contractor's superintendent at the site full time.

PART 2 EXECUTION

3.1 PREPARATION

- A. The Contractor shall be deemed to have inspected the Site and satisfied himself as to actual grades and levels and true conditions under which the Work will be performed.
- B. The Contractor shall mark locations of underground utilities prior to initiating site work; Digsafe clearance shall be obtained.

- C. The Contractor shall exercise reasonable care to verify locations of existing subsurface structures and utilities.
- D. The Contractor shall check immediate and adjacent areas subject to excavation by visual examination (and by electronic metal and pipe detection equipment, as necessary) for indications of subsurface structures and utilities.
- E. Exploratory excavations may be made where existing subsurface structures and utilities may potentially conflict with proposed construction. Exploratory excavations shall be made in the presence of the Engineer and sufficiently ahead of construction to avoid possible delays to Contractor's work.
- F. Temporary barriers and security devices shall be provided, erected, and maintained by the Contractor.

3.2 PROTECTION

- A. The Contractor shall locate, identify, and protect utilities from damage. Digsafe clearance shall be obtained in advance of Site work.
- B. Trees, plant growth, and features designated to remain shall be field flagged and protected as final landscaping.
- C. Benchmarks and existing structures shall be protected from damage or displacement.

3.3 CLEARING

- A. Cut and remove all timber, trees, stumps, brush, shrubs, grass, and weeds within the work area necessary to complete the work or as directed by the Engineer. Areas within the Limits of Work to be cleared are designated on the Drawings.
- B. Trees and limbs adjacent to the wetlands shall be felled away from the wetland and shall be chipped and disposed of adjacent to the area to be capped.
- C. Trees to remain shall be marked with flagging by the Engineer prior to the start of construction.

3.4 GRUBBING

- A. Grub and remove all stumps, roots large trees encountered within the area within the Limits of Work or as directed by the Engineer.