

Seaside Rehabilitation and Healthcare Center
Portland, Maine

SECTION 02100 - SITE PREPARATION

PART 1 - GENERAL

1.01 GENERAL PROVISIONS:

- A. Documents affecting Work of this Section include, but are not necessarily limited to, The CONDITIONS OF THE CONTRACT General Conditions, Supplementary Conditions, Addenda and all Sections of Division 1, which are hereby made a part of this Section.
- B. Contractor shall coordinate Work with that of other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of the Work.
- C. The "Standard Specifications" referred to herein is the book entitled "*Standard Specifications, Highways and Bridges*" published by the State of Maine Department of Transportation (latest date), and Supplemental Specifications in Force, excluding the following portions thereof:

DIVISION 100, Sections 102 through 109; NUMERICAL INDEX OF PAYMENT ITEMS INCLUDED IN EACH SECTION.

Those Sections of the aforementioned Standard Specifications which are cited herein are applicable to the Work of this Contract as they may be modified, amplified or added to by this Section.

- D. All Work shall be in conformance with the requirements of the City of Portland the Maine Dept. of Environmental Protection and, if applicable, the U. S. Environmental Protection Agency NPDES Program.

1.02 DESCRIPTION:

- A. It is not the intent herein to describe all the items and Work to be performed under this Section. All incidental site demolition and removal, not otherwise specified in Section 02070-Selective Demolition or shown on the Drawings, and required to be undertaken for the proper installation of the new Work, shall be included under this Section.
- B. Schedule of Work: Work includes but is not limited to the following:
 - 1. Cutting, clearing, and proper disposal of any trees and brush to be removed as designated on Drawings and as indicated by the Architect/Engineer only. Protect all existing trees, shrubs, wetlands and buffer areas indicated to remain or scheduled to be relocated or transplanted, as shown on the plans or as designated by the Architect/Engineer.
 - 2. Coordination of all schedules of Work, and phasing of Work areas and items of Work, with the Owner and the Architect/Engineer, as required. Work performed by the Contractor affecting the progress of Work by other trades, or which interferes with specific Work schedules or phasing of Work, or with the Owner's necessary operations on the site, shall be interrupted, delayed or replaced as directed by Architect/Engineer at no additional cost to Owner.
 - 3. Installation of Erosion and Sedimentation controls as shown on Drawings and Details, and as specified in Section 02270 - Erosion Control & Slope Protection.

Seaside Rehabilitation and Healthcare Center
Portland, Maine

4. Grubbing, removal, and proper disposal off-site of any stumps and debris, as required and in accordance with all applicable State and local permits.
5. Stripping of all topsoil in designated Work areas, and stockpiling in designated areas off-site or on-site where approved, as directed by the Architect/Engineer.
6. Provision for pedestrian barriers, safety railings, dust and noise control, etc., as necessary or required by state and local ordinances and OSHA.

C. Related Work specified elsewhere:

Site Special Conditions	- Section 02000
Subsurface Investigation	- Section 02010
Layout of Work	- Section 02030
Selective Demolition	- Section 02070
Grading	- Section 02210
Excavation, Backfill and Compaction	- Section 02220
Erosion Control & Slope Protection	- Section 02270
Water Distribution System	- Section 02660
Gas Distribution System	- Section 02685
Subdrainage Systems	- Section 02710
Storm Drainage Systems	- Section 02720
Sanitary Sewerage System	- Section 02730
Power & Communications	- Section 02780 (See Bennett Engineering)
Landscaping	- Section 02900

1.03 QUALITY CONTROL, SUBMITTALS:

1. General: Comply with requirements of Division 1 Sections for Submittals and Quality Control.
2. Requirements of regulatory agencies:
 - a) City of Portland.
 - b) Federal and State codes and regulations, including DEP Permit requirements, and EPA NPDES requirements, if applicable.
 - c) Utility company requirements.

PART 2 - PRODUCTS

2.01 EROSION AND SEDIMENTATION CONTROLS:

- A. See Section 02270 - Erosion Control & Slope Protection - for E&S Control products.

2.02 TREE PROTECTION:

- A. 6-ft. barrier fence with 2-in. steel posts, or 2" x 4" planks and steel wire, with burlap, as detailed on Drawings.

Seaside Rehabilitation and Healthcare Center
Portland, Maine

2.03 CONSTRUCTION FENCING:

- A. Barrier Fence as required shall be 4-ft. high with 1½" x 3" openings, bright orange; Mirisafe by Mirafi, Inc.

PART 3 - EXECUTION

3.01 CLEARING AND GRUBBING:

- A. Cut and grub trees, brush and stumps not designated to be saved, in areas to be excavated or tilled as shown on Drawings. Do not remove any trees or shrubs designated to be saved, or disturb wetland or buffer areas scheduled to be preserved.
- B. Protect trees, shrubs, and wetland areas designated to be saved from cutting or damage. The Contractor shall clearly mark all trees, shrubs, wetland areas and buffers scheduled to be saved or preserved, and shall verify with the Architect/Engineer prior to any cutting or clearing.
- C. Dispose of all roots, stumps and residual debris off-site in satisfactory legal manner, in accordance with conditions of disposal permit (See Section 02000).
- D. Ground surface outside of the work limits shall not be unduly disturbed or compacted. Existing ground cover shall be preserved to prevent erosion. The area shall be left neat and clean, and in a condition which is reasonably consistent with the surroundings.

3.02 PROTECTION OF EXISTING TREES:

- A. Protect trees designated to be saved or transplanted in areas near construction by planking or fencing, as specified, before stripping or grading operations start. Store no material within the drip line of any tree to be saved.
 - 1. Fencing: 4' barrier fence stapled or wired to 2-in. steel posts, buried 3 ft. into the ground at 10 ft. maximum intervals. Install at least 15 ft. from base of trees to be protected.
 - 2. Planking shall be approved by Architect/Engineer only for special situations. If approved, wrap trunk with burlap and wire 2" planks around tree. Staple 3 bands of wire to planks. Extend from grade to lowest limb of tree, or 6 ft.
- B. If fills are made over root areas, strip topsoil, place layer of broken stone extending to new subgrade and re-spread selected topsoil. Area to be treated to extend to a diameter 2/3 of crown diameter.
- C. Repair damage to tree crowns or root systems immediately as directed.
- D. Remove protection only after all grading, including spreading of topsoil, is completed.
- E. The Architect's verification shall be required for removal or destruction of any trees, shrubs, or buffer areas designated to be saved or transplanted, after construction procedures have been initiated.

Seaside Rehabilitation and Healthcare Center
Portland, Maine

3.03 SELECTIVE TRIMMING:

- A. Limbs or branches of existing trees extending over driveways, walks, or parking areas, or other branches and limbs which are deemed by the Architect/Engineer to be in need of removal, shall be trimmed/removed as directed. Work shall be performed by a licensed Arborist in accordance with good tree surgery practices. All wounds shall be treated with approved tree paint.
- B. Remove diseased, dying or dead trees as directed by the Architect/Engineer.

3.04 REMOVAL OF WOOD WASTE:

- A. Remove all brush, branches and wood under 4 in. diameter. Stockpile where directed by the Architect/Engineer for later removal. All brush and wood over 4 in. diameter becomes the property of the Contractor and proper off-site disposal is his responsibility.
- B. Contractor shall properly dispose of all excess material and residual debris from chipping operations on-site or off-site in a safe and legal manner.

3.05 EROSION AND SEDIMENTATION CONTROLS:

- A. All erosion and sedimentation controls shall be installed in conformance with the Project Erosion Control Reports and requirements, Drawings and Section 02270-Erosion Control and Slope Protection of these Specifications, or as directed by the Architect/Engineer.
- B. Install all sedimentation and erosion controls prior to start of grubbing and stripping operations.
- C. Remove all temporary erosion control devices and materials upon Acceptance or Architect/Engineer's approval of affected revegetated or stabilized areas.

3.06 LOAM STRIPPING AND STOCKPILING:

- A. Strip off topsoil in designated Work areas only, and stockpile in designated areas on-site or off-site, as directed by the Architect/Engineer, for later re-use (See Section 02900-Landscaping).
- B. Topsoil shall be considered as property of Owner. No topsoil shall be permanently removed from the site without the express written permission of the Owner. Stockpiles shall be protected from erosion by temporary seeding or mulching, and by placement of silt fence as appropriate; piles shall be seeded or mulched within 15 days of completion or as indicated in Section 02270-Erosion Control and Slope Protection.

END OF SECTION