

Seaside Rehabilitation and Healthcare Center
Portland, Maine

SECTION 02030 – LAYOUT OF WORK

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. 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.

1.02 DESCRIPTION OF WORK

- B. The Contractor shall lay out the Work from established property lines, base lines, bench marks and coordinate system indicated on the Drawings, and as directed by the Architect/ Engineer. The Contractor shall be responsible for all measurements or elevations in connection with the project layout.
- C. The Contractor shall establish in the field Limit of Work lines as indicated on the Drawings, and shall be responsible for maintaining these lines throughout the construction of the project.

PART 2 – PRODUCTS AND MATERIALS

- A. The Contractor shall furnish, at Contractor's own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any and all parts of the Work. The Contractor shall be responsible for executing the Work to the lines and grades indicated on the Plans, Contract Documents and Specifications. The Contractor shall also be responsible for maintaining and preserving any layout stakes, bench marks, or other marks established by the Owner, until authorized to remove them. If such marks are destroyed by the Contractor or through Contractor's negligence before their removal is authorized by the Owner or his representative, Contractor shall replace all damaged or disturbed marks at no additional cost to Owner.

PART 3 – EXECUTION

- A. Establish and plainly mark base lines, center lines or layout lines for each item of Work, and such lines and grades that are reasonably necessary to properly assure that location, orientation, and elevations established for all structures, utilities, roads, parking areas, and miscellaneous Work items are in accordance with lines and elevations shown on Drawings.
- B. Following completion of general mass excavation and before any other permanent Work is performed, establish and plainly mark (through use of appropriate batter boards or other means) sufficient additional survey control points or system of points as may be necessary to assure proper alignment, orientation, and grade of all major features of Work. Survey shall include, but not be limited to, location of lines and grades of footings, exterior walls, center lines of columns in both directions, floor slabs, major utilities, pavement and curb areas, etc.

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- C. All survey control points or system of points established shall be certified by a Registered Land Surveyor or Civil Engineer where requested by the Architect/Engineer, at no additional cost to the Owner. Furnish such certification as requested to the Architect/ Engineer before any Work (such as footings, floor slabs, columns, walls, utilities, pavements, and other major controlling features) is placed.

- D. During progress of Work, and particularly as Work progresses from item to item, Contractor shall have lines, grades, plumbness etc. of all major Work inspected by the Architect/Engineer, or checked and certified by a Registered Land Surveyor or Civil Engineer as directed, for general compliance to Drawings and Specifications. Notify the Architect/Engineer before any major Work items such as concrete work, paving, major utility structures, etc. are placed. In addition, Contractor shall furnish to the Architect/Engineer certificates from a Registered Land Surveyor or Civil Engineer as requested, that the following Work is complete in every respect as required by the Contract Documents.
 - 1. Lines of each building and/or addition.
 - 2. Elevations of bottoms of footings and tops of finished floors of each building and/or addition.
 - 3. Lines and elevations of storm drains and sewers, and of other site utilities as requested.
 - 4. Lines and elevations of all swales and ditches.
 - 5. Lines and elevations of roads and parking areas.

- E. Whenever changes from Drawings or Specifications are made in line or elevation, Contractor shall record such changes on as-built record Drawings in accordance with Section 02000, Article 1.06, or shall upon request by the Architect/Engineer, provide a reproducible Drawing bearing a Registered Land Surveyor or Civil Engineer seal.

- F. Changes in location of new buildings, additions, and site items such as, but not limited to, manholes, inlets, pipe lines, conduits, pavements, etc. shall be shown in the same manner as on Contract Drawings (by coordinates or dimensions from buildings); however, if no such locations are shown on Contract Drawings, changes in locations of items shall be shown by a sufficient number of right-angled dimensions from the nearest building or ties to fixed objects.

END OF SECTION