

SECTION 01050

FIELD ENGINEERING AND SURVEYING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Provide field engineering and surveying services as required for layout and construction of the project as indicated on the Drawings and specified herein.
- B. Provide surveys for record drawings.
- C. Identify project benchmarks.

1.02 QUALITY CONTROL

- A. The Developer shall employ a Professional Land Surveyor registered in The Commonwealth of Pennsylvania and acceptable to Authority Engineer. Surveyor shall establish all lines, elevations, reference marks, batterboards, etc., needed by the Developer or Engineer during the progress of the work, and from time to time to verify such marks by instrument or other appropriate means.
- B. The Authority Engineer shall be permitted at all times to check the lines, elevations, reference marks, batterboards, etc., set by the Developer, who will correct any errors in lines, elevations, reference marks, batterboards, etc., disclosed by such check. Such a check shall not be construed to be an approval of the Developer's work and shall not relieve or diminish in any way the responsibility of the Developer for the accurate and satisfactory construction and completion of the entire work.
- C. At completion of the work, the Developer shall have his surveyor prepare an "as-built" drawing showing the location of all work installed and submit the "as-built" drawing showing the location of all work installed to the Authority Engineer for review. Certification of the "as-built" drawing by the Registered Surveyor is required. Submittals of these "as-built" drawings shall conform to requirements of Section 01300 and will be a prerequisite for approval of Final Escrow Release.

1.03 FIELD CONDITIONS AND MEASUREMENTS

- A. The Developer shall base all measurements, both horizontal and vertical, from established benchmarks. The Developer shall be responsible for field verification of all dimensions and conditions at the job site.
- B. Should the Developer discover any discrepancy between actual conditions and those indicated, which prevent following good practice or the intent of the Approved Drawings and Specifications, he shall notify the Authority Engineer, request clarification and instructions,

and shall not proceed with his work until he has received the same from the Authority Engineer; provided that such wait does not unduly delay the progress of the work.

1.04 SUBMITTALS

- A. Submit name, address, and telephone number of Surveyor to Authority Engineer before starting work.
- B. On request, submit documentation verifying accuracy of survey work.
- C. Submit certificate signed by Surveyor, certifying that elevations and locations of improvements are in conformance, or non-conformance, with Approved Plans.

PART 2 PRODUCTS

(Not Used)

PART 3 EXECUTION

3.01 INSPECTION

- A. Verify location of survey control points prior to starting work. Promptly notify Engineer of any discrepancies.

END OF SECTION