SECTION 01 7123

FIELD ENGINEERING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Survey and field engineering.
2. Submittals.
3. Records.

B. Provide and pay for field engineering services required for Project:
1. Survey work required in execution of Work.
2. Other professional engineering services specified or required to execute Contractor's construction methods.

1.2 QUALIFICATIONS

A. Technician: Qualified, experienced instrument technician.

B. Surveyor: Qualified land surveyor, currently licensed in State of Alabama.

C. Engineer: Registered professional engineer of discipline required for specific service on Project. Currently licensed in State of Alabama.

1.3 SUBMITTALS

A. Submit documentation to verify accuracy of field engineering work upon Architect's request.

B. Submit certification that elevations and locations of improvements are in conformance with Contract Documents.

1.4 SURVEY REFERENCE POINTS

A. Existing horizontal and vertical control points for project are those designated on Drawings.

B. Locate, verify, and protect control points prior to beginning Work; preserve permanent reference points during construction.

1.5 PROJECT SURVEY REQUIREMENTS

A. Establish minimum of two permanent bench marks on site, referenced to survey control points. Record locations on Project Record Documents.

B. Establish lines and levels, locate and lay out, by instrumentation:
1. Site improvements:
   a. Stakes for grading, fill, and topsoil placement.
   b. Utility slopes and invert elevations.
2. Building foundation and column locations, floor elevations, and other controlling dimensions.
3. Controlling lines and levels required for mechanical and electrical trades.

C. Verify property corners, easements, building setbacks, and horizontal control dimensions with information contained in Contract Documents.

D. Promptly notify Architect of any errors or discrepancies noted; await instructions prior to proceeding with Work.

1.6 RECORDS

A. Maintain accurate log of control and survey work.

PART 2 - PRODUCTS

Not used

PART 3 - EXECUTION

Not used

END OF SECTION

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