

Section 01725

FIELD SURVEYING

PART 1 GENERAL

1.01 SUMMARY

This Section includes requirements for field surveying and Project Record Documents.

1.02 MEASUREMENT AND PAYMENT

No separate payment will be made for field surveying. Include cost in unit price for related items.

1.03 NOT USED

1.04 SUBMITTALS

- A. Conform to requirements of Section 01330 - Submittal Procedures.
- B. Submit to Project Manager the name, address, telephone number and registration number of Surveyor before starting survey work.
- C. Submit documentation verifying accuracy of survey work on request.
- D. Submit certificate signed by surveyor, that elevations and locations of Work are in conformance with Contract.

1.05 RELATED REQUIREMENTS

- A. Section 01330 – “Submittal Procedures”
- B. Section 01785 – “Project Record Documents”

1.06 QUALITY ASSURANCE

Conform to State of Texas laws for surveys requiring registered surveyors. Employ registered public surveyor acceptable to Owner.

1.07 SYSTEM DESCRIPTION

- A. Project Record Documents
 - 1. Maintain complete and accurate log of control and survey work as it progresses.

2. Prepare certified survey setting forth dimensions, locations, angles, and elevations of construction and site work upon completion of foundation walls and major site improvements.
 3. Submit Record Documents under provisions of Section 01785 - Project Record Documents.
- B. Examination
1. Verify locations of survey control points prior to starting the Work.
 2. Notify Project Manager immediately of any discrepancies discovered.
- C. Survey Reference Points
1. Locate and protect survey control points prior to starting site work; preserve permanent survey monuments during construction.
 2. Notify Project Manager 48 hours in advance of need for relocation of reference points due to changes in grades or other reasons.
 3. Report promptly to Project Manager loss or destruction of reference point.
 4. Contractor to replace permanent survey monuments disturbed by operations, at no additional cost to the Owner.
- D. Survey Requirements
1. Utilize recognized engineering survey practices.
 2. Surveyor to stake line and grade at a minimum of 100 foot spacing for linear projects.
 3. Establish elevations, lines, and levels to provide quantities required for measurement and payment and to provide appropriate controls for Work. Locate and lay out by instrumentation and similar appropriate means:
 - a. Site improvements including pavements; stakes for grading; fill and topsoil placement; utility locations, slopes, and invert elevations.
 - b. Grid or axis for structures.
 - c. Building foundation, column locations, ground floor elevations.

1.08 – 1.13 NOT USED

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION