

S-1104 CONTRACTOR CONSTRUCTION STAKING: This work shall consist of setting all stakes needed to establish the lines and grades, according to the Plans. The Contractor shall set construction stakes establishing all lines, slopes, continuous profile-grades, centerlines, and benchmarks necessary to control and perform the work.

- A. Before any construction activity starts in the immediate area of an endangered Public Land Survey System (PLSS) corner, recover all endangered section corners and accessories of the PLSS on the project. Endangered PLSS corners are those defined by the Kansas Statutes and/or shown in the Contract Documents as lying within the range from the project centerline to a distance 100 feet (30m) outside the construction limits, throughout the length of the project. Establish a minimum of 6 reference ties for each endangered PLSS corner. Each reference tie must be a direct measurement to a precise (hard defined) point. (Specify Slope or Horizontal Measurement) Complete a Land Survey Reference Report marked as a "Notice of Endangered Activity" for each endangered PLSS corner. File the reports with the appropriate governmental custodian responsible for maintaining those records, as required by Kansas Statutes. Provide the engineer with copies of the completed reports.
- B. The Contractor shall locate all existing property corners within the project limits prior to commencing construction. All property corners that can be saved shall be marked and protected. Property corners anticipated to be disturbed during construction shall be located by ties and shall be reset by the Contractor at the termination of construction activities. All boundary and PLSS corner surveys shall be performed by a qualified land surveyor registered in the State of Kansas.
- C. The Contractor shall submit to the Engineer copies of any land corner references ties and other material which is required to be submitted to the State of Kansas or to Johnson County (Kansas) according to State law. Failure to submit appropriate material will be cause for reporting the surveyor to the State Board of Technical Professions, and may be considered a breach of contract for the Contractor. The Contractor is responsible for replacing destroyed monuments and referenced bench marks set by the county or state. This work will be subsidiary to the contractor staking bid item, unless there is a separate bid item for these items.
- D. The Contractor shall set cut stakes for all rough swale grading and shall maintain or reset such stakes for checking of the grade as required by the Engineer. Final grade for the swales and berms shall be established by "blue top" surveying or other approved method, and grade devices shall be maintained for inspection by the Engineer prior to sodding.
- E. The contractor shall be responsible for producing and maintaining as-built plans on all projects. As-built plans annotate and field changes that differ from the original design. Unless otherwise stating in the contract documents, the Contractor shall be responsible for providing as-built survey data from a licensed surveyor.
- F. Errors or omissions found on the construction drawings shall be reported to the Engineer for clarification prior to commencing the work.
- G. METHOD OF MEASUREMENT: Construction staking shall be measured as a percentage of lump sum of completed and accepted work, upon completion of all staking.
- H. BASIS OF PAYMENT: Payment for this work shall be made at the percentage of the contract lump sum price bid for "Contractor Construction Staking", which shall include all staking and property corner resetting.