

ITEM 623 CONSTRUCTION LAYOUT STAKES

623.01 Description

623.02 General

623.03 Basis of Payment

623.01 Description. This work consists of furnishing, placing, and preserving construction layout stakes or other controls in accordance with the Contract Documents for the construction of various elements of the Project, and removing all stakes at the completion of the Project. Reproduce and submit field notes of all layout work to the Engineer as the work progresses.

623.02 General. After award of the Contract, verify horizontal and vertical controls. Locate and reference the centerline of the project, locating the P.C. and P.T. of horizontal curves and sufficient points on tangent to provide a line of sight. The location and elevation of bench marks are noted on the plans. Provide field forces and set all necessary stakes for this project, including but not limited to stakes that are needed to establish offset stakes, reference points, slope stakes, pavement and curb line and grade, stakes for bridges, culverts, sewers, waterlines, drainage structures, paved gutters, walls, monuments, fence, right-of-way lines, and any other horizontal or vertical controls, including supplementary benchmarks, necessary to secure a correct layout of the work. Set stakes for the line and grade of pavement and curb at sufficient station intervals but not exceeding 50 feet (15.2m) on tangents and not to exceed 25 feet (7.6m) on curves and points of super elevation to ensure conformance to plan line and grade.

The Contractor is responsible for having the finished Work conform to the lines, grades, elevations, and dimensions shown on the plans. All submitted cut sheets will provide both beginning and closing benchmark elevations and descriptions. Any inspection or checking of the Contractor's layout by the Engineer and the acceptance of all or any part of it does not relieve the Contractor of the responsibility to secure the proper dimensions, grades, and elevations of the several parts of the work. Exercise care in the preservation of stakes and benchmarks, and reset them at no additional cost to the City when any are damaged, lost, displaced, or removed. Use competent personnel and suitable equipment for the layout work required and provide that a Registered Professional Engineer or a Registered Surveyor supervises the operation.

The Contractor's field forces, under the direction of a Registered Professional Engineer or a Registered Surveyor shall verify plan elevations for proper fit to existing conditions and for plan intended drainage where proposed items meet existing items. Notify the Engineer of any discrepancies.

623.03 Basis of Payment. The City will pay equal monthly payments based on the life of the project, not to exceed the lump sum bid price.

Item	Unit	Description
623	Lump Sum	Construction Layout Stakes