

**TECHNICAL SPECIFICATION 440
CONSTRUCTION STAKING**

440.1 SCOPE OF WORK

This technical specification covers the furnishing of all labor, materials, testing, submittals, tools and equipment necessary to perform all construction layout, control, and reference staking for satisfactory completion of the project.

440.2 MATERIALS

Hubs shall be 1½ inch x 1½ inch x 16 inch oak and witness stakes shall be 1 inch x 1 inch x 36 inch oak or other hardwood.

440.3 SUBMITTALS

Not applicable.

440.4 CONSTRUCTION METHODS

Hubs with tacks shall be used for all control points, centerline or baseline offsets and structure stakeout and shall be accompanied by witness stakes marked with the pertinent information. For supplemental stakeout only, witness stakes alone may be used. For laser grade control and the verification of the laser elevation a hub with witness shall be provided.

All staking shall be performed under the direct supervision of a Land Surveyor licensed by the State of Connecticut and shall conform to "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" adopted by the Connecticut Association of Land Surveyors on September 26, 1996, Connecticut General State Statutes 20-300b, and the applicable provisions of Form 817, Section 9.80.03.

In addition, reference stakeout (line and grade) for areas involving horizontal or vertical curves shall be placed at intervals no greater than 25 foot, or in sufficient intervals to provide the Contractor with necessary information to meet the designed lines and grades.

Work in this section also requires that, where the drawings indicate a graphical boundary and/or street line intersection, all efforts will be made prior to construction activities, to locate any and all existing merestones, iron pins and any other boundary marker, as well as those identified on the plans (except for those indicated to be set or reset) using prescribed methods for Class A-2 accuracy, or using 3 ties for each marker.

If impacted during construction activities, each removed marker shall be re-established by the Contractor's surveyor.

440.5 MEASUREMENT

Measurement for this item shall be based on a lump sum for construction staking completed in accordance with these specifications. Partial payments will be made for this item based on the percentage completed of the overall work, as determined by the Engineer.

440.6 PAYMENT

Payment for this item will be at the contract Lump Sum for construction staking completed and shall include all labor, materials, testing, submittals, tools and equipment necessary to complete the work as specified.

PAY ITEM	PAY UNIT
Construction Staking	L.S.