

**TECHNICAL SPECIFICATION 425
BOUNDARY MARKERS**

425.1 SCOPE OF WORK

This technical specification covers the furnishing and installation of all concrete merestones or other specified boundary markers, labor, materials, testing, submittals, tools, and equipment necessary to accurately set, reset, or replace merestones or markers at the locations shown on the plans or as directed by the Engineer in accordance with these specifications.

425.2 MATERIALS

Merestones to be set or reset under this item shall be of reinforced concrete, a minimum of 42 inches in length, 6 inch x 6 inch base and a 5 inch x 5 inch top with a 2 inch minimum diameter brass disc. When they are to be set in wooded areas, the minimum length of the merestones shall be 48 inches, to allow a minimum of 6 inches to extend above the ground. Brass discs, where applicable, shall match State of Connecticut, Department of Transportation discs and markings and in all other cases shall be approved by the Engineer. Pins shall be $\frac{3}{4}$ inch diameter x 36 inches long solid steel rod, or No. 6 reinforcing bar. All other markers shall be identified and approved by the Engineer.

425.3 SUBMITTALS

Not applicable.

425.4 CONSTRUCTION METHODS

The Contractor, under the supervision of a Land Surveyor licensed by the State of Connecticut shall excavate and set each merestone plumb. The top of the merestones will be set flush with the ground, except in wooded areas, as noted above, or unless otherwise directed by the Engineer. Backfill will be thoroughly tamped so as to not allow any lateral movement of the merestones. Any excess materials shall be removed from the site and the discs shall be punched at the precise location of the point in question. In areas where the merestone location is obscured by a new concrete installation such as a sidewalk or other obstacles, a disc may be set in wet concrete and punched after the concrete is cured. In ledge, a disk shall be installed by embedding it to the ledge using adhesive approved by the Engineer. Alternatively, a $\frac{3}{8}$ inch diameter and $\frac{1}{2}$ inch deep drill hole may be substituted for a disc in concrete or ledge surfaces. In asphalt pavement, a railroad spike shall be utilized and punched in the same manner as a merestone. In other instances, a prescribed marker will be set in accordance with the Engineer's instructions.

425.5 MEASUREMENT

Measurement for this item will be based on the number of merestones, or other type markers set, reset, or replaced and accepted.

425.6 PAYMENT

Payment for this item will be at the contract unit price per Each boundary marker including all labor, materials, testing, submittals, tools, and equipment necessary to complete the work as specified.

PAY ITEM	PAY UNIT
Set Merestone	EA.
Reset Merestone	EA.
Replace Merestone	EA.
Set/Reset (Specified Marker)	EA.