

ITEM #0813001A – 5” GRANITE STONE CURBING
ITEM #0813002A – 5” GRANITE STONE CURBING – FLUSH AT DRIVES
ITEM #0813011A – 5” GRANITE CURVED STONE CURBING

All of the provisions of Section 8.13 of the Standard Specifications shall apply, supplemented as follows:

Article 8.13.02 – Materials: Add the following:

Granite curb shall conform to the following requirements:

<u>Requirement</u>	<u>Minimum Criteria</u>	<u>Testing Method</u>
Bulk Density:	165 lbs/cubic foot	ASTM C-99
Absorption:	.37%	ASTM C-97
Compressive Strength:	23,000psi	ASTM C-170
Modulus of rupture:	1,700psi	ASTM C-99

Black vein rejection - Curbs with vein of black through the stone shall be rejected. Curbs with black spots, splotches, or streaks may be accepted if they do not detract from physical appearance of exposed surfaces.

Quartz vein tolerance - Curbs with quartz veins may be accepted. However, all stones with quartz veins must be examined very closely to ascertain whether a seam exists along the joint between granite and quartz. This is characterized by a discoloration (black, pink, yellow) as fine as 1/16" along the joint. All such stones shall be rejected. Curbs with quartz veins shall be limited to 5% of total delivered and shall be evenly distributed throughout the job. All others shall be rejected.

Finishes:

Refer to details.

Color:

Gray – submit color options from approved supplier.

Submittals:

1. Straight Curb (5” Granite Stone Curbing): 5-inch x 18-inch x 12-inch (5"W x 18"D x 12"L) size sample of granite curbing shall be submitted to indicate color, shape selections, and conformance to the Contract Drawings. Note: All Straight Curb shall have a buzzed front edge of not less than 1/4” radius. Where straight curb abuts radius curb, feather the front edge radius to curved stone curbing as needed.

2. Curved Curb (5" Granite Curved Stone Curbing): 5-inch x 18-inch x 12-inch (5"W x 18"D x 24"L) size sample of granite curbing shall be submitted to indicate color, shape selections, and conformance to the Contract Drawings. Note: All Curved Curb shall have a buzzed front edge of not less than 1/4" radius. All Curved Curb less than 15' radius shall have a rounded front edge of not less than 2" radius.
3. Straight Curb (5" Granite Stone Curbing – Flush at Drives): 5-inch x 18-inch x 12-inch (5"W x 18"D x 12"L) size sample of granite curbing shall be submitted to indicate color, shape selections, and conformance to the Contract Drawings.
4. Photos of the exposed granite are to be provided to the Engineer for approval prior to ordering.

Article 8.13.03 – Construction Methods: Add the following:

- 3.02 Excavation: Excavation shall extend below the bottom of the curbing as shown on detail, the trench being sufficiently wide to permit thorough tamping. The base material/backfill shall be compacted in layers not more than 6 inches in depth to a firm, even surface and shall be approved by the Engineer.
- 3.03 Installing Stone Curbing: The curbing shall be set on edge and settled into place to the line and grade required, straight and true for the full depth. Class 'C' concrete bedding shall be placed along each side of the curb as detailed. Stone curbing shall be set so that there is a lip at the pavement edge in all locations as detailed. The ends of the stone curbing at driveways, handicap ramps, and intersections shall transition in elevation and shall have a beveled or rounded cut, as detailed.

Article 8.13.05 – Basis of Payment: Replace with the following:

Payment for this work will be made at the contract unit price per linear foot for "5" Granite Stone Curbing", "5" Granite Curved Stone Curbing" or "5" Granite Stone Curbing – Flush at Drives" complete in place, which price shall include all excavation, backfilling, disposal of surplus material, furnishing and placing granite curb, processed aggregate base, beveling or rounding the exposed top edge of the curbing, vertical saw cutting the back of the curb, furnishing and placing concrete curb support, pointing the joints with mortar, dowels, all materials, equipment, tools and labor incidental thereto, and all excavation, backfilling, disposal of surplus material.

<u>Pay Item</u>	<u>Pay Unit</u>
5" Granite Stone Curbing	LF
5" Granite Stone Curbing – Flush at Drives	LF
5" Granite Curved Stone Curbing	LF