

## **SECTION 32 15 01 – GRANITE CURBING**

### **PART 1 – GENERAL**

#### **1.01 GENERAL PROVISIONS**

- A. The Conditions of the Contract and all sections of divisions are hereby made a part of this section.

#### **1.02 DESCRIPTION OF WORK**

- A. Work included: Provide labor, materials, and equipment necessary to complete the work of this section, and without limiting the generality thereof furnish and install the following:
1. Section 31 20 00 – Earthwork
  2. Section 32 12 16 – Asphalt Paving
  3. Coordinate setting of curbs with related work.

#### **1.03 QUALITY ASSURANCE AND SUBMITTALS**

- A. General: Comply with the requirements of Section 01 60 00
- B. Reference Standards: Comply with applicable requirements of the following standards. Where these standards conflict with other specified requirements, most restrictive requirements govern.
1. American Society for Testing Materials (ASTM):  
  
C 131 Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine.  
  
C 615 Structural granite
  2. State of Maine Department of Transportation (MDOT): Standard Specifications for Highways and Bridges (1995 Edition)
- C. Product Data: Submit product data for curbing and accessory materials.
1. Include certificate of compliance for materials.
- D. Comply with the City of Portland Technical Standards.

#### **1.04 JOB CONDITIONS**

- A. Weather Limitations: Comply with requirements in MDOT.

- B. Work on Public Ways: Comply with all regulations and requirements of local/state agencies having jurisdiction.

#### 1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver curbing to job adequately protected from damage during transit.
- B. Protect curbing against staining, chipping and other damage. Cracked, badly chipped, or stained units will be rejected and not employed in the Work.

### **PART 2 – PRODUCTS**

#### 2.01 GRANITE CURBING

- A. Granite: Provide structural granite conforming to ASTM C 615, Class I Engineering Grade, suitable for curbstone use.
  - 1. Provide material that is light gray, free from seams which impair structural integrity and with percentage of wear less than 32 percent as determined by ASTM C 131.
- B. Curbing: Provide curbing complying with MDOT Specifications Section 712.04, Vertical Curb, Type 1 and sloped Granite Curbing complying with MDOT Material Specifications 712.04.
  - 1. Provide radius curbing where indicated.
  - 2. Provide with split-face and sawn top.
  - 3. Provide 12"x12" x min. 3' long sections for garden.
  - 4. Tree Planters: 4"x12" thermal finish top and outsides, see drawings.

### **PART 3 – EXECUTION**

#### 3.01 SETTING CURBING

- A. Install as indicated on Drawings and except as otherwise specified or indicated in compliance with MDOT 609.03.
- B. Set curbing in 18-inch wide trench, with trench bottoms at 6 inches below bottom of curb. Fill excavation to required level with base course material conforming to requirements of Section 31 20 00 – Earthwork.
- C. Set curb with vertical face plumb, curb top parallel to adjacent surface.
- D. Set curb accurately to line and grade. Fit units as closely together as possible. Do not field cut curbing.

1. Do not exceed 1/2 inch width for expansion joints.
  2. Mortar joints prior to backfilling.
- E. Backfill material on each side of curb as specified for adjacent surface, thorough compacted by power tampers. Exercise extreme care not to destroy alignment.
1. Reset any curb section disturbed during backfilling or otherwise reset to proper line and grade and properly backfill.

\*END OF SECTION 32 15 01\*