

**ITEM 11608.0101 M - WASHED RIVERSTONE CONCRETE SURFACING**

**Description:**

The work shall consist of furnishing and installing washed riverstone concrete surfacing in conformance with the details shown on the Contract Drawings, and where directed by the Engineer.

**Materials:**

A. Materials shall meet the requirements specified in the following subsections of Section 700, "Materials Details".

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|----|--|--------|
| 1. | Portland Cement                        | 701-01 |
| 2. | Premolded Resilient Joint Filler       | 705-07 |
| 3. | Epoxy Coated Wire Fabric Reinforcement | 709-08 |
| 4. | Water                                  | 712-01 |

B. Concrete shall conform to the material requirements of Section 501 - Portland Cement Concrete. Submit sample for approval to the Engineer, approximately 300 by 300 by 50mm, to illustrate quality of finish, color, and texture of exposed surface of integral colored concrete. Submit design mix for colored concrete.

1. Coloring Agent: ASTM C 979, synthetic mineral oxide pigments or colored water-reducing admixtures, color stable, non fading, resistant to lime and other alkalis.

C. Washed riverstone: Washed, rounded, oblong riverbed gravel or other approved smooth - faced stone ranging in size from 50 to 75 mm, longitudinal dimension by 20 to 30 mm, transverse dimension.

D. Prior to installing washed riverstone concrete paving, construct mockup to demonstrate aesthetic effects. Build mockup to comply with the following requirements, using material indicated for final unit of work.

1. Minimum size of mock-up shall be 500 by 500 mm.
2. Notify Engineer on week in advance of the date and time when mock-up will be constructed.
3. Demonstrate the proposed range of aesthetic effects and workmanship.
4. Obtain Engineer's approval of mock-up before start of final unit of Work.

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- A. Approved mock-up in an undisturbed condition at the time of Substantial Completion may become part of the completed Work.

### **Construction Details:**

The general construction details for manufacturing, transporting, and placing concrete shall meet the requirements of Section 501, Portland Cement Concrete-General. The exposed riverstone concrete surfacing shall be constructed by a hand method approved by the Engineer in the Field.

The concrete joint shall be placed in one course to the full depth shown on the contract drawings.

Epoxy coated wire fabric for concrete reinforcement, sub-section 709-08, shall be embedded at mid-depth in the slab, unless otherwise shown on the contract drawings.

A pre-molded resilient joint filler, sub-section 705-07, shall be installed at all joints between surfacing and curb pavement or other dissimilar material.

### **Method of Measurement:**

Furnishing and installing washed riverstone concrete surfacing in accordance with the contract drawings, specifications and directions of the Engineer will be measured by the actual number of square meters of finished surface.

### **Basis of Payment:**

The price bid per square meter shall include all labor, material ( including colored concrete, epoxy coated wire fabric and pre-molded resilient joint filler), equipment, surface preparation and all incidentals and appurtenances necessary to satisfactorily complete the work, including delivery and inspection.

Payment will be not made for repairs to damaged areas caused by the Contractor's operations. No payment will be made for installing washed riverstone concrete surfacing or work related thereto that has not been accepted by the Engineer or that has degraded due to the Contractor's negligence, material failure, or improper storage of the material.

Excavation and sub-base course will be paid for under other Items of the Contract.