

68300

683.00

Designer Note: For use with CADD Std. 660001. Use should be discussed with your Project Engineer.

## **MORTARED STONE WALL**

Effective March 1, 1991      Revised January 1, 2007

This work shall consist of furnishing and installing mortared stone riprap for the construction of retaining walls at locations specified and in accordance with the details in the plans.

The Contractor shall submit samples of the proposed stone riprap to the Engineer for approval prior to beginning the work. The stone riprap shall have a minimum size per piece of 8 inches (200 mm) wide by 16 inches (400 mm) in length by 2 inches (50 mm) deep. Shorter pieces will be allowed for building the wall around sharp corners at private sidewalks and steps. All riprap should be the same average size so as to fit easily together. The riprap shall be of "flag stone" quality.

The earth slope shall be graded, trimmed, and compacted to the lines and grades shown on the plans before the mortared stone riprap is placed.

The stone shall be stored on the job site to keep it as clean as possible.

Stone is to be carefully selected at the job site so that various colors are evenly distributed throughout the job. Sufficient stone is to be at the job site at all times to permit proper selection and blending of colors. The stone supplier should furnish laying instructions to which the Contractor shall comply unless otherwise approved by the Engineer. All horizontal and vertical joints shall be mortared during placing operations, making sure all joints are properly filled. The vertical joints shall be staggered during the placing operations.

The mortar for setting stone shall consist of one part white non-staining waterproof Portland cement, one part hydrated lime or lime putty, and six parts clean, sharp sand by volume. Materials are to be accurately measured by volume in specially constructed gauge boxes. No mortar shall be retempered after initial set has taken place.

Stone work shall be kept as clean as possible as work progresses. Upon completion, if necessary, foreign material and mortar shall be removed from stone, subject to the Engineer's approval. If necessary, stone shall be cleaned with scrub brushes used with soap and water and completely rinsed immediately after scrubbing. Fine white sand may be added to water to aid in cleaning.

Basis of Payment: The stone wall will be paid for at the contract unit price per Square Foot (Square Meter) for MORTARED STONE WALL with the payment area being calculated as shown in the plan detail. No adjustment will be made in the unit price or method of measurement if the Contractor places Class SI concrete for that portion of the wall which is below ground.

Furnishing and installing 3/4" (20 mm) P.E.J.F., geotechnical fabric for ground stabilization, pipe underdrain, pipe drain including connections to inlets or storm sewer, porous granular backfill, and the excavation of the trench and existing earth required for placement of the stone wall will not be measured for payment but shall be included in the contract unit price for MORTARED STONE WALL.