

SECTION 12.0 SLOPE PROTECTION

12.01 Scope of Work

This item shall consist of all materials, labor, equipment, grading, and fine grading necessary for the construction of slope protection to the line, grade, and location as shown on the plans or as directed by the City Engineer.

12.02 Description

All slope protection shall consist of hand placed stone on slopes for the protection of channels and on slopes at headwalls. All voids between the stones shall be filled with cement mortar.

Slope protection shall have a minimum thickness of not less than twelve inches (12”), when measured perpendicular to the slope.

12.03 Materials

(a) Stone

All stone to be used in slope protection shall meet the requirements for Class 1 Plain Rip Rap as set forth in Section 868 of the NCDOT “ Standard Specifications for Roads and Structures”, latest revision. Stone to meet these specifications shall be rough unhewn blue granite quarry stone from either Charlotte, Kings Mountain, or Bessemer City quarries, seventy (70%) of which shall be in the range from one hundred pounds (100 lbs.) to two hundred pounds (200 lbs.), with no more than five percent (5%) of the total weight of rip rap being individual pieces of less than fifty pounds (50 lbs.) each.

(b) Cement Mortar

Cement mortar for slope protection shall be as specified in Section 11.03 herein.

(c) Rip Rap

See Section 13.24 herein.