

UNITED STATES DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

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CONSTRUCTION SPECIFICATION  
CS-56: "ROCK STRUCTURE"

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56.1 SCOPE

The work shall consist of furnishing and installing loose rock structures including filter layers or bedding as specified on the drawings.

56.2 SITE PREPARATION

The site shall be excavated and backfilled to the lines and grades shown on the drawings. Fill material shall be obtained from approved excavations. Prior to filling, the existing ground surface shall be scarified to ensure a bond with the fill material. The fill material shall be compacted to the density of the surrounding undisturbed areas. Excess excavated material shall be disposed of by spreading in areas shown on the drawings or removed from the site.

56.3 REMOVAL OF TREES AND VEGETATION

Removal of trees and brush shall only be to the extent necessary to do the work and done in a manner as to avoid damage to remaining trees, other vegetation and property. Shade, food, and/or trees to be saved shall be marked. Stumps and root wads will not be removed unless they are within the excavation areas shown on the drawings.

Disposal of trees, brush, and other materials shall be done in a manner that is compatible with state and local law, regulation and/or ordinances that causes the least detrimental effect to the environment.

56.4 FILTER OR BEDDING

When the drawings specify fabric filter, aggregate filter or bedding beneath structures, the filter or bedding material shall be spread uniformly on the prepared subgrade surfaces to the depth specified. Compaction of filter layers or bedding is not required, but the surface of such layers shall be finished and reasonably free of mounds, dips, or windrows. Construction Specification CS-67 applies for the installation of Construction Fabrics.

56.5 EQUIPMENT-PLACED ROCK

The rock shall be placed by equipment on the surface to the depths specified. The structure shall be constructed to the full course thickness in one operation and in a manner that prevents

displacement of the underlying materials. The rock shall be placed in a manner that will ensure that the rock is reasonably homogeneous with the larger rocks uniformly distributed and firmly in contact with one another. The smaller rocks and spalls fill the voids between the larger rocks. End dumping or dozer placement of rock is not permitted.

#### 56.6 GRADATION

Rock and filter materials shall be of the gradation shown on the drawings.

#### 56.7 SPRIGGING OF WOODY VEGETATION

When specified, woody cuttings shall be planted at locations using the methods detailed on the drawings and the applicable construction specification.

#### 56.8 MAINTENANCE

Substantial maintenance will be needed. Eroded areas shall be promptly filled and revegetated as specified above for seeding and sprigging. Fertilizer should be applied at a recommended rate and watering may be necessary to sustain the plantings.