

**NATURAL RESOURCES CONSERVATION SERVICE
PACIFIC ISLANDS AREA
CONSERVATION PRACTICE SPECIFICATION
ROCK BARRIER (555)**

SCOPE

This specification covers the installation of rock barrier. Construction shall be in accordance with the construction drawings and these specifications.

SAFETY

Landowners or operators, sponsoring organizations, and contractors, shall be liable for damage to utilities and damage resulting from disruption of service caused by construction activities. The Natural Resources Conservation Service makes no representation on the existence or non-existence of any utilities. Absence of utilities on the drawings is not assurance that no utilities are present at the site.

It is the responsibility of the landowner or operator to determine if there are buried or overhead utilities in the vicinity of the proposed work. They should take proper procedures to insure that the utilities shall not be jeopardized and that equipment operators and others will not be injured during construction operations.

CONSTRUCTION OPERATIONS

Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution are minimized and held within legal limits.

The owner, operator, contractor or other persons will conduct all work and operations in accordance with proper safety codes for the type of construction being performed with due regards to the safety of all persons and property.

INSTALLATION

Foundation Preparation. The foundation area for all rock barriers shall be cleared and stripped of all brush, roots, sod, large rock, or other unsuitable material. Topsoil shall be stockpiled for spreading on the surface of the completed bench. The foundation for the barrier shall be shaped so that full base width is smooth. Unless otherwise specified the foundation shall be excavated to a depth of no less than one-half the above ground centerline height of the barrier wall.

Rock. Gradation and/or weight of the rock shall be as shown on the drawings. The middle rock dimension will be used in determining rock size. The rock shall be angular to sub-angular in shape, sound, dense, and durable stone, and free from earth and rock dust, or other foreign material.

Filter. Filter aggregate when specified on the drawings shall be spread uniformly on the prepared subgrade to the depth shown on the drawings. The filter shall be sand, gravel, or crushed stone or mixtures thereof. The gradation shall be as shown on the drawings.

Geotextile Fabric. Geo-textile fabric when specified on the drawings shall be a non-woven fabric of the Class (weight) shown on the drawings.

Barrier Construction. Construction shall begin with the upper-most barrier. Barriers shall be built to the width, height, and batter. They shall be spaced as shown on the drawings and/or staked in the field. As an individual barrier is built, the void behind the barrier shall be filled with compacted soil.

The area upslope of the barrier shall be graded to the design slope(s) as shown on the drawings and/or staked in the field.

The placement of the rock in the barrier shall be done in a manner that will not cause separation of the small and large stones. The finished surface shall not have pockets of finer materials, which would flush out and weaken the barrier. Hand placing and chinking shall be done to provide a tightly interlocked rock surface.

WORKMANSHIP

All construction shall be performed in a workmanlike manner, and the job site shall have a neat appearance when finished.

All disturbed areas not graveled or paved will be vegetated to control erosion.

BASIS OF ACCEPTANCE

The acceptability of this practice shall be determined by inspections during and following construction to ensure compliance with all provisions of this specification and the construction drawings.