

CONSTRUCTION SPECIFICATION
NATURAL RESOURCES CONSERVATION SERVICE
HEAVY USE AREA PROTECTION

SCOPE

This item shall include all plans, specifications, construction operations, and vegetation required for the installation of protection on heavy use areas. Construction operations shall be done in such a manner that soil erosion and air, water, and noise pollution will be minimized and held within legal limits as specified by state regulations.

CLEARING AND GRUBBING

All trees, stumps, roots, brush, weeds, and other objectionable material will be removed from the work area as required for proper installation of the planned and designed measure. Disposal shall be by burning, burying at approved locations, or removing from the site and stacking. All burning shall conform to Alabama laws and regulations.

CONSTRUCTION

Where surface treatment of the area is required, follow prescribed construction procedures.. Excavation and subgrade preparation shall be such that the finished surface of the treated area at its outside edge is the same elevation as the adjacent soil surface. If heavy use area is to be used in a livestock operation such as a watering trough or hay ring, ensure finished surface is nearly level with positive drainage away from the center of the heavy use area. If a subgrade is required, remove all unsuitable material and bring to required elevations by grading, filling, and leveling. Compact the subgrade surface according to design procedures.

For heavy use area protection in urban and recreational areas, remove all soft spots discovered during compaction operations and replace with suitable material.

For geotextile and stone type of heavy use protection in agricultural areas, remove all loose or organic materials discovered during subgrade preparation. Subgrade compaction is not required.

After subgrade preparation in urban and recreational areas, the base course will be laid, mixed as necessary to provide a pulverized, homogeneous mixture, and thoroughly compacted, first with a sheepsfoot roller and then with a rubber-tired or pneumatic-tired roller.

Use non-woven geotextile of the grade specified and install according to manufacturer's or design specifications. Equipment will not be allowed to operate directly on top of the geotextile fabric without a cushion of gravel or stone. Extend geotextile to the surface at the edge of the treatment area.

PROTECTION

Vegetation or heavy use area treatment shall be applied as shown in the plans and specifications. Vegetation will include seedbed preparation, liming, fertilizing, seeding, and either mulching or netting when needed and specified.