

CONSTRUCTION SPECIFICATION
NATURAL RESOURCES CONSERVATION SERVICE
LAND SMOOTHING

1. Scope

This item shall consist of the clearing, disposal of cleared residue, and other operations necessary to remove all irregularities on the land surface by use of special equipment. Construction operations shall be carried out in such a manner that erosion, air, water, noise, and air pollution will be minimized and held within legal limits as established by state regulations.

2. Clearing and Grubbing

All trees, brush, and vegetative matter will be cleared and grubbed from the area. All combustible material cleared and grubbed from the site, shall be disposed of by burning, burying at approved locations, stacked on site if approved, or removed from the site. All burning shall conform to regulations of Alabama State laws. All non-combustible materials cleared and grubbed from these areas shall be removed from the site or buried with a minimum cover of two (2) feet. Rubber, plastic, or other non-woody materials shall not be burned.

3. Operations

The land smoothing operations shall conform to the plans as specified for this job. Irregularities to be removed shall be leveled or smoothed so as to give even uniform land slopes. Fill areas shall be provided with an allowance for settlement between 5 and 10 percent.

Where soil depth limitations require top soil surfaces, the surface layer of soil shall be removed to a depth of at least 6 inches and stockpiled on the outer perimeter of the work area and spread evenly over the designated area before starting the final smoothing operations.

The ground surface should be plowed or disked after rough grading is complete and prior to final smoothing.

When necessary, at least three passes of a land plane or leveler shall be made in different directions over the land to be smoothed, consisting of one pass along each diagonal and the last pass generally in the direction of cultivation or irrigation.

Smoothing operations will not be performed when the moisture content of the soil is so great as to result in excessive soil compaction or destruction of the soil structure. The smoothed area shall be left in such condition that, after settlement, the surface has a continuous grade toward the planned outlet and individual crop rows will contain no low places to hinder the removal of excess surface runoff.

Where other conservation measures or practices are needed to accomplish land smoothing, they will be included in the plan of improvement.

4. Vegetation

Vegetative treatment shall be applied as specified or as shown on the plans.