

CONSTRUCTION SPECIFICATION

NATURAL RESOURCES CONSERVATION SERVICE

GRASSED WATERWAY

1. Scope

This item includes the shaping or construction of waterways, outlets, and disposal areas, and the establishment of adapted vegetation for the safe disposal of runoff from fields, diversions, terraces, or other structures. Conduct construction operations in such a manner that erosion, air, water and noise pollution will be minimized and held within legal limits as established by state or local regulations.

2. Obstruction Removal

All brush, trees, stumps, fence rows, and other objectionable material shall be removed and disposed of in such a way that they will not interfere with constructing, shaping, or proper functioning of the waterway, disposal area or filter strip, or outlet.

3. Excavation

Construct the waterway or water disposal areas to the specified dimensions and without bank projections, abrupt changes, and other irregularities. Within a given reach excavate waterways, outlets and disposal areas with a uniform, continuous slope in the direction of flow

4. Disposal

Stockpile topsoil removed from the construction area for use in final grading and seedbed preparation after the waterway is completed.

Spread and dispose of all earth removed and not needed in construction in such a way that it will not interfere with the functioning of the waterway. Exercise care in spreading waste material so that neither ridges nor holes are formed along the sides of the waterway. Such obstructions restrict drainage from rows, terraces, diversions, or other structures. Finish and smoot all portions of the waterway or outlet in such a manner that farm equipment can cross and applied vegetative cover can be properly maintained.

6. Fill

Use material that is free of roots, large stones and other objectionable materials for fill in the waterway.

Compact fills as needed to prevent uneven settlement that would cause damage in the completed waterway.

7. Pollution control

Conduct construction operations so that erosion and sediment control is addressed, and air and water pollution is minimized. This may include such items as silt fence, hay bale barrier, temporary vegetation, mulching, etc.

8. Vegetation

Establish vegetation as specified in the vegetative plan.