



Implementation Requirements Precision Land Forming and Smoothing



Landowner/Operator _____

Farm/Tract/Field(s) _____

Prepared By _____

Current Conditions:

Job Specifications:

Site Preparation

The land to be formed shall be cleared of brush, crop residue, trash, and vegetative material that can materially reduce the effectiveness of forming operations.

Borrow Location

Soil for land-forming operations shall be obtained from the designated cut areas in the field or from other designated borrow areas as specified in the plan.

Land-forming Operations

The land shall be formed to the design grade or grades. Fills of no more than 6 inches shall be placed by spreading the soil in successive layers. Land-forming operations shall not be performed when the ground is frozen or if soil moisture conditions are such that they could cause excessive damage to the soil structure, resulting in poor crop growth or detrimental settlement. Construction operations shall be done in such a manner that erosion and air and water pollution are minimized and held within legal limits. After cuts and fills are completed, the land shall be smoothed to remove minor irregularities.

Finished Grade

The cropland will be graded to a minimum of '/100' to edge of field. There should be no more than a ' cut throughout the cropland. Refer to the grading plan (maps and survey) for grading directions.

Operation and Maintenance Requirements:

A properly operated and maintained land smoothing is an asset to your farm. This land smoothing was designed and installed to improve surface drainage or uniform cultivation and improve equipment operation and efficiency. The life span of the land smoothing practice is 5 years. The life of the land smoothing can be assured and possibly increased by performing operation and maintenance (O&M) activities.

This practice will require you to perform the O&M activities as listed below:

- Inspect after significant storm events and at least annually to identify repair and maintenance needs.
- Avoid use of tillage equipment and operations that leave ridges or depressions that cannot be removed by subsequent tillage operations.
- Perform maintenance when needed to ensure that surface irregularities are maintained at the degree of smoothness required.
- Periodically use a planning operation to re-establish the installed field gradient.
- Immediately repair any vandalism, vehicular or livestock damage.
- Promptly repair eroded areas. Re-establish vegetation cover where erosion has removed established vegetation.
- A stable outlet is required for all hoe-drains for the life of the practice, if applicable.

Additional Operation and Maintenance Requirements Specific to this Plan:

Signature: _____

Date: _____