

**NATURAL RESOURCES CONSERVATION SERVICE
MISSOURI CONSTRUCTION SPECIFICATION**

SURFACE DRAIN, FIELD DITCH

CODE 607

GENERAL

The work shall consist of the site preparation, excavation and grading field drainage ditches with or without an associated ridge. Construction shall be in a manner that erosion will be minimized and held within tolerable and legal limits. Work shall comply with all required permits. A land disturbance permit from the Missouri Department of Natural Resources may be needed if the disturbed area is greater than one (1) acre in size.

The completed job shall present a workmanlike appearance and shall conform to the line, grades, and elevations shown on the drawings or as staked in the field.

SITE PREPARATION

Areas to be excavated and areas to be occupied by spoil and berms shall be cleared of trees, brush, and other debris as required for construction and maintenance. Cleared debris shall be disposed of or utilized to create wildlife cover, as called for in the drawings. Care must be taken to protect all trees to be saved.

EXCAVATION AND GRADING

Channels for crossable field ditches shall not have flat reaches that exceed 100 feet in length or reverse grade. All ditches shall be constructed to the grades and minimum dimensions shown on the drawings. However, the channel for non-crossable ditches may be excavated below design grade.

Spoil shall be spread and leveled so that the surface water can flow into the ditch. If the spoil is to be farmed, it shall be spread so that farming operations will not be hindered.

VEGETATION

Refer to JS-AGRON-25 for seeding and mulching recommendations for disturbed areas that will not be cultivated.

Additional Details: _____

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**NATURAL RESOURCES CONSERVATION SERVICE
MISSOURI OPERATION AND MAINTENANCE**

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OPERATION AND MAINTENANCE ACTIVITIES

A maintenance program shall be established by the landowner/user to maintain the functional capacity of the surface drainage system. Items to consider are:

- Perform periodic and post storm inspection of drainage system.
- Maintain cross section and gradient by controlling channel erosion and sloughing. Immediately remove silt deposits, obstructions, or blockage of the drainage system.
- Control growth of unwanted vegetation in the channel.
- Remove all foreign debris that hinders system operation.

Additional Details: _____
