

**NATURAL RESOURCES CONSERVATION SERVICE  
MISSOURI CONSTRUCTION SPECIFICATION**

**DIVERSION**

**CODE 362**

**GENERAL**

Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution will be minimized and held within legal limits. **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.

All operations shall be carried out in a safe and skillful manner. Safety and health regulations shall be observed and appropriate safety measures used.

The contractor is responsible for having all utilities located at the site according to Missouri state laws prior to beginning work.

**SITE PREPARATION**

Foundation area shall be cleared of trees, stumps, roots, sod and other unsuitable material.

All dead furrows, ditches, or gullies shall be filled before constructing the diversion or shall be part of the construction. All old terraces and other obstructions shall be removed, as necessary, to install the diversion.

Construction methods that enhance wildlife will be used where practical. Trees, stumps, and brush removed from the construction area may be piled for wildlife habitat when approved by the landowner.

**CONSTRUCTION**

The diversion shall be constructed according to planned alignment, grade, and cross section with specified overfill for settlement and the channel graded to drain reasonably well. The constructed cross section shall be as shown on drawings.

The moisture content of fill material shall be adequate for obtaining the required compaction. The minimum moisture content shall be such that when kneaded in the hand, the fill material will form a ball that does not readily separate. Fill material that is too dry shall have water added or work shall be stopped until moisture conditions are satisfactory.

Construction equipment travel shall be directed to provide compaction to earthfill in diversion ridge.

Any ditch or depression at the bottom of the backslope shall be filled and smoothed so that drainage will be away from the ridge and not parallel to it. Diversion ridges constructed across gullies or depressions shall be compacted by machinery travel or by other suitable means to insure proper functioning of the diversion.

If required on the drawings, topsoil shall be stockpiled and spread over excavations and other areas to facilitate revegetation.

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If underground conduits are located under a diversion ridge, they shall be constructed according to Missouri Construction Specification for Underground Outlet (620) and the construction drawings.

If pipe spillways are located under a diversion ridge, they shall be constructed according to Missouri Construction Specification for Pipe Spillway (378-B) and the construction drawings.

**VEGETATION**

Topsoil shall be added, if needed, to establish vegetation. Refer to JS-AGRON-25 for seeding and mulching recommendations.

**Additional Details:** \_\_\_\_\_  
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**NATURAL RESOURCES CONSERVATION SERVICE**  
**MISSOURI OPERATION AND MAINTENANCE**  
**DIVERSION**  
**CODE 362**

**OPERATION AND MAINTENANCE**

Operation and maintenance items to address:

- Fertilize, if applicable, to maintain vegetation. Provide periodic inspections, especially immediately following significant storms.
- Promptly repair or replace damaged components of the diversion as necessary.
- Maintain diversion capacity, ridge height, and outlet elevations especially if high sediment yielding areas are in the drainage area above the diversion. Establish necessary clean-out requirements.
- Redistribute sediment as necessary to maintain the capacity of the diversion.
- Each inlet for underground outlets must be kept clean and sediment buildup redistributed so that the inlet is at the lowest point. Inlets damaged by farm machinery must be replaced or repaired immediately.
- Maintain vegetation and trees and control brush by hand, chemical and/or mechanical means. Maintenance of vegetation will be scheduled outside of the primary nesting season for grassland birds. Apply all herbicides according to label requirements.
- Control pests that will interfere with the timely establishment of vegetation
- Keep machinery away from steep sloped ridges. Keep equipment operators informed of all potential hazards.

**Additional Details:** \_\_\_\_\_  
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