

*ADDITIONAL DETAILS FOR MISSOURI CONSTRUCTION SPECIFICATION 657
USED FOR CREATIVE BORROW AND HABITAT MOUNDS
STANDARD DRAWING 29-L-440*

General

The features shown are generic. For further details, see site specific plan. Final layout shall be as directed or as approved by NRCS.

Construction activities shall be carried out so that any existing wetland area shall be disturbed as little as possible. Existing natural vegetated spillway areas shall not be disturbed.

Subsurface drains through the wetland dike that may drain the wetland shall be removed or rendered inoperable as shown on the plans.

Any additional subsurface drains located during construction shall be brought to the attention of the landowner and NRCS.

Organic soils (i.e. muck) shall not be used to construct wetland dikes.

Excavation

Shallow water excavations shall be constructed with a variety of shapes, sizes, and depths.

As directed by NRCS, topsoil shall be removed and stockpiled. Spread stockpiled topsoil on disturbed areas after excavation is complete.

Wetland complexes should be created where possible by linking shallow water excavations with level meandering swales. Level swales shall have irregular cross-sections with slopes not steeper than 4:1.

Leave the finished excavated ground surface as irregular as possible with rough surfaces on all side slopes, undulating bottom, and ragged shoreline.

Wetland Dike

Wetland dikes should be curvilinear or serpentine.

Use shallow water excavated material for dike construction when practical.

Islands, Mounds and Loafing Areas

Islands shall be randomly located within the wetland area at locations shown on the drawings or as staked in the field.

Orientation of island shorelines shall be random with attention given to prevailing winds to limit wave damage.

Side slopes shall be as shown on the construction drawings, but normally not steeper than 6:1. Some slopes on islands on opposite side of prevailing wind direction may be made steeper than 6:1 for animal habitat as directed by NRCS.

Shapes shall be irregular and unfinished.

Loafing areas shall be constructed in the areas shown on the drawings or as staked in the field and shall be graded to shed runoff water.

Elevation of loafing area should be above maximum water level whenever possible.

Compaction of mounds is not necessary. Nesting and loafing islands shall be compacted.

All excavated material not suitable for wetland dikes and islands can be used for mounds or blended into surrounding topography to create a natural appearance. Spoil material shall not be spread on existing wetland areas.

Islands shall have a minimum of 1000 ft.² of area above the maximum water level.