

Fence

Board Fence

Conservation Practice WV Job Sheet

Code 382



Definition

A constructed barrier to livestock, wildlife, or people.

Conditions where practice applies

This practice may be applied on any area where access management is needed.

General Criteria

Fencing materials shall be of a quality and durability that meets the intended management objectives. Construction shall be performed in a manner that meets the intended management objective. Wire and hardware will be new, galvanized material.

Height, number, and spacing of rails will be installed to facilitate control and management of the animal(s) and /or people of concern.

Height size, spacing, and type of posts will be used that best provides the needs for the style of fence required and is best suited for the topography of the landscape.

Any relevant manufacturers' guidelines shall be adhered to during installation of each type of fence to ensure proper component assembly.

All fence construction shall comply with federal, state and local fencing codes.

Installation

A wooden board fence has a minimum of 3 boards. The maximum board spacing shall be 16-inches center to center. The top edge of the uppermost board will be at least 48" above the ground, and the top edge of the lowest board will be no greater than 16" above the ground. Each board shall be attached to each post with two 16d galvanized or cadmium coated nails.

Unless painting is selected, lumber shall be treated with creosote or comparable preservative. If painting is desired, lumber shall be treated with an approved preservative.

Materials

Rails: The rails (horizontal boards) shall be a minimum of 1" x 6" (nominal) x 8' long.

Posts: Untreated posts will be black locust. Pressure treated pine or other wood of equal life and strength are acceptable. Line posts will have a minimum top diameter of 3 inches and be of sufficient length to support the height of the fence and be firmly set or driven in the ground a minimum of 2 feet.

Corner, gate, end, and brace posts will have a minimum top diameter of 5 inches and be of sufficient length to support the height of the fence and be firmly set or driven in the ground a minimum depth of 3 feet.

Post Spacing: Posts shall be spaced a maximum of 8 feet apart to accommodate rail lengths.

Considerations

Fences across gullies or streams require special braces and design. Breakaway fences or swinging water gaps allow debris and water to flow past the fence line without destroying the adjacent fence.

Any permanent fencing for grazing livestock should allow flexibility to facilitate implementation of the grazing plan and permit land management activities such as nutrient application, pest control, forage harvest, and other appropriate practices.

Follow all manufacturers' safety precautions for handling and installing fencing materials.

Locate fences to facilitate maintenance. Where applicable, clear right of ways should be established and maintained to facilitate fence construction and maintenance.

When possible, install fences across slopes to improve grazing distribution, rainfall infiltration, and reduce soil erosion.

Locate fences to facilitate livestock management, handling, watering, and feeding.

Fence – WV Job Sheet Specifications

Site-specific requirements are listed on the specifications sheet. Additional provisions are entered on the job sketch sheet. Specifications are prepared in accordance with the NRCS Field Office Technical Guide. See practice standard (382) Fence.

Client:	Farm #:
Field(s):	Tract #:
Planned By:	Location:
Date:	Length of Fence:
Landowner Objectives:	

Purpose (check all that apply)	
<input type="checkbox"/> Reduce erosion and improve water quality by controlling livestock access to streams, springs, wetlands, and ponds	<input type="checkbox"/> Protect sensitive environmental areas and the flora from vehicular, pedestrian, or animal traffic use
<input type="checkbox"/> Protect newly planted areas from disturbance until established	<input type="checkbox"/> Protect the safety of people, livestock, and wildlife by limiting or denying access to hazardous areas
<input type="checkbox"/> Facilitate handling, movement, and feeding of livestock in the pasture environment	<input type="checkbox"/> Improve distribution and timing of livestock grazing
<input type="checkbox"/> Other (specify)	

Board Fence (Check all that apply)		
Number of Rails	Treatment	Posts Type
<input type="checkbox"/> 3 Rails <input type="checkbox"/> 4 Rails <input type="checkbox"/> 5 Rails (min. 1" x 6" (nominal) x 8' long)	Painted, Creosote, Painted with Preservative OR Other Preservative _____	Untreated Black Locust OR Pressure treated pine or other preservative treated wood
Size Line posts have 3 inch minimum diameter and are sufficient length to support the height of fence and set 2 feet deep minimum. Corner, gate, end and brace posts have 3 inch minimum top diameter and set a minimum of 3 feet in the ground	Spacing Line posts shall be spaced at a maximum of 8 ft apart to accommodate rail lengths.	
Additional Specifications: _____ _____ _____		

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If needed, an aerial view or a side view of the practice can be shown below. Other relevant information, complementary practices and measures, and additional specifications may be included.

Operation and Maintenance

Regular inspection of fences should be part of an on-going management program. Inspection of fences after storm events is needed to facilitate the function of the intended use of the fence. Keep heavy vegetation away from fences. Maintenance and repairs will be performed as needed. Retain and properly discard of all broken fencing material and hardware to prevent ingestion by animals or injury to equipment, people, or animals. Precautions should be taken to ensure the safety of construction and maintenance crews.

Other:

For information regarding this practice contact:

_____ at _____.

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