

Prepared for: _____

Prepared by: _____

Farm: _____ Tract: _____ Date: _____



Bedding can create a suitably dry microenvironment for establishing woody plant seedlings.



Undisturbed filter strip or stream management zone left along a perennial stream.

DEFINITION

Treatment of areas to improve site conditions for establishing trees and/or shrubs.

PURPOSE

- Encourage natural regeneration of desirable woody plants.
- Permit artificial establishment (planting) of woody plants.

CRITERIA

- The method, intensity and timing of site preparation activities should match the limitations of the site, equipment, and the requirements (seedbed and light) of the desired woody species to be planted or naturally regenerated.
- Tree/shrub site preparation can be accomplished with mechanical equipment, chemical pesticides, fire, or a combination of the three.
- Debris or slash left after site prep should not create habitat for harmful levels of pests, hinder equipment operation, or create hazardous fire

conditions.

- When reforesting existing forest land, undisturbed filter strips or streamside management zones (SMZs) must be maintained along all streams and water bodies during site preparation.

Recommended Minimum Forested SMZ Widths

Type of Stream or Waterbody	% Slope of Adjacent Lands				
	0-5	6-10	11-20	21-45	46+
SMZ Width Each Side (feet)					
Intermittent	50	50	50	50	50
Perennial	50	50	50	50	50
Perennial, Trout waters	50	66	75	100	125
Public water supplies (streams / reservoirs)	50	100	150	150	200

Important: Read footnote to this table!

NOTE: SMZ width is measured horizontally from the stream or water body along the slope toward a disturbed or harvested area. These are recommended minimum widths which can be expanded or contracted depending on site conditions. Check FILTER STRIP – Practice Standard 393 requirements based on site conditions.

Applicable state and local laws/rules regarding buffers supersede any recommended widths herein!

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SPECIFICATIONS

Forest Management Plan/Tree Planting/Site Preparation Plan by Registered Forester or Other Professional	
Species to be Naturally Regenerated or Planted	
	Tree/Shrub/Woody Plant Species >>>
Filter Strip/Stream Management Zone (SMZ)	
Is site preparation for existing forest land? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Width of filter strip or SMZ: _____	
Site Preparation Method (check all that apply)	
<input type="checkbox"/> FIRE – Prescribed site preparation burn	<input type="checkbox"/> MECHANICAL – Drum Chopping
<input type="checkbox"/> CHEMICAL – Herbicide, silvacide, pesticide	<input type="checkbox"/> MECHANICAL – KG or shearing blade
<input type="checkbox"/> MECHANICAL – Bedding	<input type="checkbox"/> MECHANICAL – Disking
<input type="checkbox"/> MECHANICAL – Scalping, furrowing, V-blading, subsoiling	<input type="checkbox"/> MECHANICAL – Rotary brush cutter, bush-hog, mower
<input type="checkbox"/> MECHANICAL – Lopping with hand tools	<input type="checkbox"/> MECHANICAL – Windrow, Piling <i>Windrow Spacing - ft.</i>
Additional Notes or Requirements:	
<p>Note where chemical herbicides are used: Specific pesticide recommendations will be obtained from personnel who are licensed by the NC Department of Agriculture and Consumer Services in specialty area Agricultural Pest Plant Category G (forest) or Category O (agricultural) - as appropriate and in accordance with North Carolina Pesticide Laws and Regulations. All pesticides must be registered for use by North Carolina and approved for use by the U. S. Environmental Protection Agency (EPA). Refer to the current issue of "North Carolina Agricultural Chemicals Manual" for guidelines, rules and regulations regarding use of pesticides. Users must always follow instructions and safety precautions on the container label when handling, applying, or storing pesticides.</p>	
Timing and Equipment	
Time Schedule for Site Preparation: _____	
Equipment Required: _____	

Additional Instructions

CAUTION: Check for any utilities (underground or overhead) before operating site preparation equipment!!!!

Maps

Refer to the Conservation Plan Map for fields or areas where site preparation will be done. (Map should delineate: streams/waterbodies, required filter strips/SMZ's; and, sensitive areas, critical areas or cultural resources that need to be considered during site preparation activities).

Compliance with Federal, State and Local Laws

Installation and application of this practice MUST comply with all applicable federal, state and local laws or ordinances!

Additional requirements:

OPERATION AND MAINTENANCE

Repair erosion control measures as necessary to insure proper function.

Control locally invasive and noxious plants as necessary.

Control vehicle access during and after site preparation to minimize compaction, erosion and other site impacts.

Site preparation activity involving heavy rubber tired equipment should be done under dry to moist conditions. Stop operation of this type equipment under wet conditions; soil compaction and rutting under wet conditions will have significant negative impacts on site productivity.

Additional requirements:

CERTIFICATIONS

Plans and specifications prepared by: _____

Title: _____ Date: _____

Approved by: _____

Title: _____ Date: _____

Installation Meets NRCS standards and specifications? YES NO

Certification by: _____ Date: _____