

Chester County Conservation District
 688 Unionville Road, Suite 200, Kennett Square, PA 19348-1704
 (610) 925-4920 ~ Fax (610) 925-4925 ~ www.chesco.org/conservation
APPLICATION FOR DISTRICT SERVICES – Effective 10.01.2014

- Application will not be accepted unless signed and completed in its entirety.
- Please update the information on this form with each submission.
- Only folded plans will be accepted.

E&SPC Submission:

New Additional Information *2nd Review *Revision to an Approved Plan *Note: Additional Base Fee Due

NPDES Submission:

New Revision **Renewal **Major Modification **Note: Additional NPDES Fee Due

Project Name: _____ Date: _____

Project Site Location: _____ Municipality: _____ Tax Parcel ID: _____

Project Acres: _____ Total Cumulative Acres Disturbed Over Project Life: _____

Development Type:

Single Residential Residential/Industrial/Commercial/Institutional Timber Harvest Municipal
 Miscellaneous: Small Agricultural Large Agricultural Chapter 105 Pond/Stream Work

Other Info:

Applicant (Owner/Firm): _____ Name: _____

Applicant Mailing Address: _____ Email: _____

City: _____ State: _____ Zip Code: _____ Phone: _____ Fax: _____

Plan Designer (Firm): _____ Name: _____

Plan Designer Mailing Address: _____ Email: _____

City: _____ State: _____ Zip Code: _____ Phone: _____ Fax: _____

E&SPC Fees: Base Fee: \$ _____ 2nd Review Fee (25% of Original Base Fee): \$ _____
 Tier II Fee: \$ _____ Emergency Review Fee: \$ _____

E&SPC fees are payable to Chester County Conservation District – Submit one check for Base Fee and Tier II, if applicable. Submit one check for the 2nd Review Fee, if applicable. Submit one check for Emergency Review, if applicable.

Refer to District Services Fee Schedule, and check appropriate Tier II:

9% or more slopes deficient infiltration of 2 year storm more than 25% total area disturbance
 less than 150 foot buffer adjacent property discharge

NPDES Fees: Base Fee: \$ _____ Disturbed Acreage Fee: \$ _____

Base Fee is payable to Chester County Conservation District Clean Water Fund
 Disturbed Acreage Fee is payable to Commonwealth of PA Clean Water Fund

Complete the following:

Receiving Stream Name: _____	Designation (HQ, EV, etc): _____
Fee Attached <input type="checkbox"/>	Act 2 Site (requires Individual NPDES Permit) <input type="checkbox"/>
Stormwater Narrative <input type="checkbox"/>	Emergency Prep. Plan <input type="checkbox"/>
Stormwater Management <input type="checkbox"/>	E&S Narrative <input type="checkbox"/>
Post Construction Stormwater Plans <input type="checkbox"/>	E&S Calculations <input type="checkbox"/>
& Details <input type="checkbox"/>	E&S Plans & Details <input type="checkbox"/>

Incentive BMPs: Green Roof Community Redevelopment
 Use of Spent Mushroom Compost as a soil amendment for stabilization

Plan Information: Check if the project contains any of the following

Stream Crossing <input type="checkbox"/>	Public Sewer <input type="checkbox"/>
Wetlands <input type="checkbox"/>	On Site Septic <input type="checkbox"/>
Flood Plain <input type="checkbox"/>	Steep Slopes <input type="checkbox"/>
Water Encroachment <input type="checkbox"/>	Open Space <input type="checkbox"/>

Permits Required: Enclose copies if applicable

NPDES Individual Permit <input type="checkbox"/>	General Permit (Chapter 105) <input type="checkbox"/>
NPDES General Permit <input type="checkbox"/>	Water Encroachment <input type="checkbox"/>
	Joint Permit 401/404 <input type="checkbox"/>

Fees and plans showing the required information are to be submitted with this application. Any additional plans or information required by the Chester County Conservation District should be submitted promptly. Emergency plan reviews require an additional request form that can be found on our website. There is a 25% review fee reduction incentive for Best Management Practices. The request for this reduction must be submitted in writing and attached with this submission. Please see our website for more information. The undersigned agrees to comply with all of the requirements of TITLE 25, CHAPTER 102, EROSION AND SEDIMENTATION CONTROL RULES AND REGULATIONS as set forth by the Pennsylvania Department of Environmental Protection, and further agrees to obtain all necessary permits in connection with the above referenced project. District Service Fees are non-refundable.

 (Applicant Signature)

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DISTRICT SERVICES
Effective 10.01.2014

The following is a schedule of District Services that are available for the processing of erosion and sedimentation pollution control plans as required for land disturbance projects. Services include reviews, inspections, pre-apps, pre-con and engineering meetings, educational programs, and administrative support. **Engineers and Developers are strongly encouraged to attend all meetings.** Plans will not be accepted for review without the appropriate fee and application form. In addition, projects involving one (1) or more acres of disturbance require an NPDES permit authorizing the discharge of stormwater from construction activities. The NPDES permit application and fee should be filed with the District at the time of plan submission to avoid unnecessary delays. District Service Fees are non-refundable. **Fees quoted are based on the disturbed acreage of the project rounded up to the nearest whole number.**

Erosion and Sedimentation Pollution Control (E&SPC) Program

Service fees cover meetings and the first (1st) technical review. For the second (2nd) technical review, 25% of the original base fee will be charged. Minor revisions of approved plans require an additional review fee and will be determined at the time of submission. Major revisions of approved plans will require a fee that is 100% of the original fee.

BASE FEE

Single Residential Unit

Single family home built on an individual lot, <1.0 acre disturbed, and not part of a larger development
 1 unit **\$ 225.00**

<u>Timber Harvest</u>	
0-25 acres	\$250.00
26-49 acres	\$400.00
50+ acres	\$625.00

Residential/Industrial/Commercial/Institutional

0 - 1 acre	\$1,125.00
>1 - 5 acre	\$1,500.00
>5 - 10 acres	\$3,000.00
>10 - 20 acres	\$5,000.00
Each additional acre	\$ 200.00

Miscellaneous

Small Agricultural Building Projects (0-<1.0 acre)	\$150.00
Large Agricultural Building Projects (1.0 acre and above)	Refer to Industrial/Commercial
Chapter 105	\$250.00
Pond/Stream Work	\$250.00

TIER II FEE

In the Tier II level, sites that fall into one or more of the five (5) major categories listed below will be required to submit an **additional fee of \$1,000.00** over and above the base fee. Small Agricultural Building Projects and Single Residential Unit sites with a disturbed acreage of less than one (1) acre will be waived from Tier II requirements.

- Projects that disturb slopes of 9% or more with grading or vegetation removal.
- Projects that do not infiltrate the delta volume of the 2 year 24 hour storm event.
- Projects where the sequence of construction (earthmoving) disturbs more than 25% of the total disturbed area at any given time.
- Projects that include less than a 150 foot non-disturbed vegetative buffer from the Waters of the Commonwealth and/or wetlands.
- Projects that discharge to adjacent properties.

E&SPC fees are payable to the Chester County Conservation District.

Letters of adequacy are valid for the duration of the project or until the NPDES permit expires if no changes are made to the approved plan.

Municipal projects are subject to a discounted one-time base fee. Please see Municipality and County Offices Fees for Service on the website. If applying for an Emergency Review, an additional review fee equal to one (1) times the base fee is required. Municipal Authorities and Fire Companies are subject to full District Service Fees.

4. SKETCH MAP

The characteristics of the earth disturbance activity. The limits of the harvesting area must be shown on a map(s). Such information as the limits of clearing and grubbing and the areas of cuts and fills for roads and landings, and other proposed disturbances for the timber harvesting area are to be included. Roads, skid roads and landings located within 50 ft. of a stream bank may require a Department Chapter 105 Water Obstruction and Encroachment. The following should be clearly shown on the sketch map:

- Dimensions
- North Arrow
- Landings
- Haul Roads
- Skid Roads
- Wetland Crossings
- Stream Crossings
- Equipment Maintenance/Fueling Areas
- Existing Roads

5. RUNOFF

The amount of runoff from the timber harvest area and its upstream watershed area. You do not have to provide runoff calculations unless you plan to use BMPs different from those described in Section 8. If you use different BMPs, your calculations must include an analysis showing any impact that runoff may have on existing downstream watercourses and their resistance to erosion.

6. RECEIVING WATERS

All streams in Pennsylvania are classified based upon their designated and existing uses and water quality criteria. Designated uses for waters of this Commonwealth are found in 25 Pa. Code §93.9a-z at <http://www.pacode.com/secure/data/025/chapter93/chap93toc.html>. Existing uses of waters of this Commonwealth are found at the DEP Web site www.depweb.state.pa.us. Type the phrase "existing use" in the DEP Keyword box. The county conservation district office can also supply this information. List the bodies of water likely to receive direct runoff within or from the timber harvest area.

<u>Name</u>	<u>Designated/Existing Use</u>

7. ESTIMATED DISTURBED AREA

	Total Length (ft)	Average Width (ft)	Area (sq ft)
Haul Roads	_____	_____	= _____
Skid Roads	_____	_____	= _____
Landings	_____	_____	= _____
Total Area (sq. ft.)			= _____ ÷ 43,560 sq ft/A = _____

Acre Acres disturbed by earth disturbance activities.

If the total area of earth disturbance activities (sum of area disturbed by haul roads, skid roads and landings) consists of 25 acres or more, an Erosion and Sediment Control Permit must be obtained.

Has application been made for required stream crossing permits? Yes No Not Applicable

At all stream crossing locations, runoff must be directed to a sediment removal area, i.e., filter strip, straw bale, silt fence, sump, a trap for treatment. Waterbars and/or broad based dips should be installed and maintained as required on the approaches to the stream crossing.

8. DESCRIPTION OF EROSION AND SEDIMENT CONTROL MEASURES

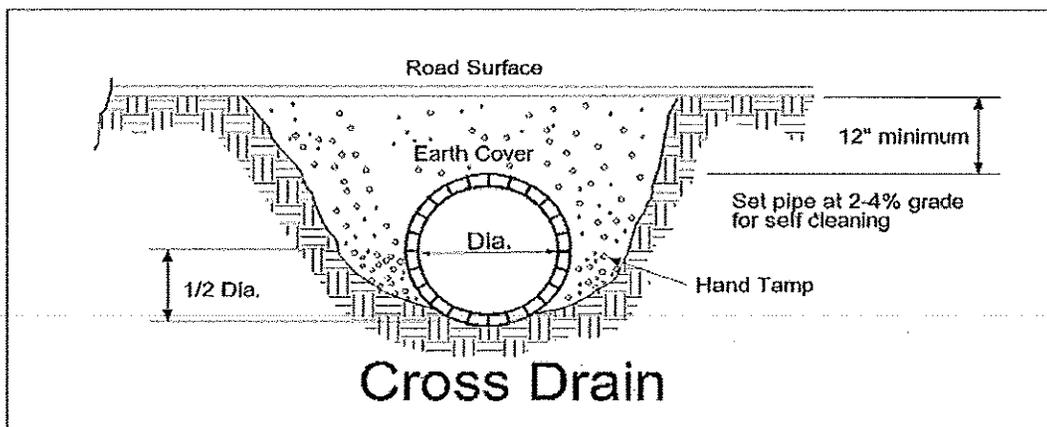
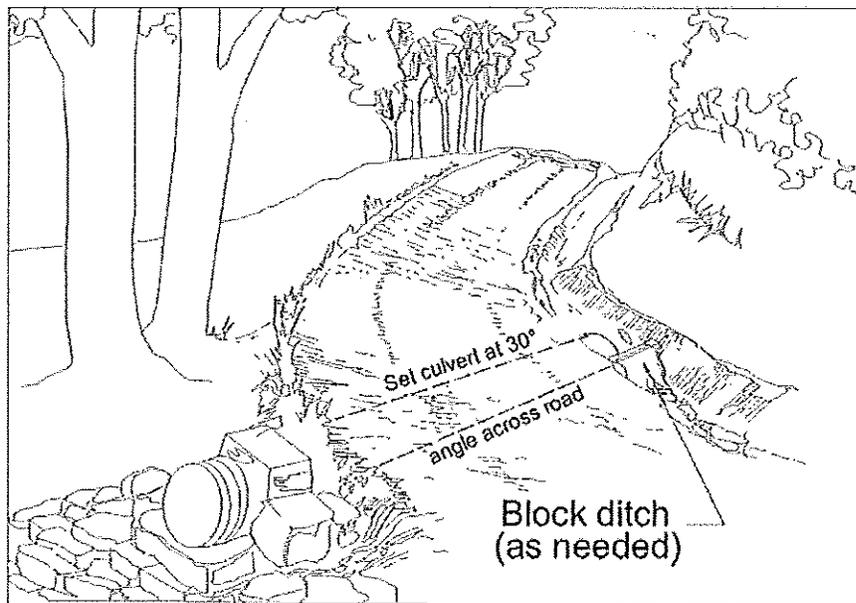
The following standard BMP drawings and recommended spacings (Sections A-H) have been provided to fulfill the requirements of this plan. If you plan to use any of these recommended BMPs, please check the appropriate boxes for Sections A through H. If you plan to use alternative BMPs, you must provide drawings showing the details, specifications and spacing.

A. Cross-drain culvert

Culverts will be installed before the ground freezes. Culverts shall be placed with a slope of 2 to 4 percent and cross the road at a 30-degree downslope angle. Recommend 12" pipe or larger culverts. Will this BMP be used? Yes No Will recommended spacing be used? Yes No

Road Grade (% Slope)	Recommended Spacing (feet)	Alternative Spacing* (feet)
2	500	_____
3	400	_____
4	350	_____
5-6	300	_____
7-8	250	_____
9-11	200	_____
12-13	150	_____
14+	100	_____

*If alternative spacings are used, please make sure reasons for their use are explained.



B. Waterbars

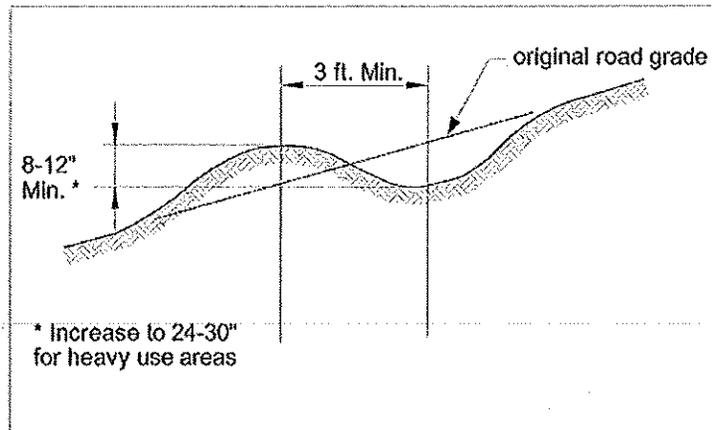
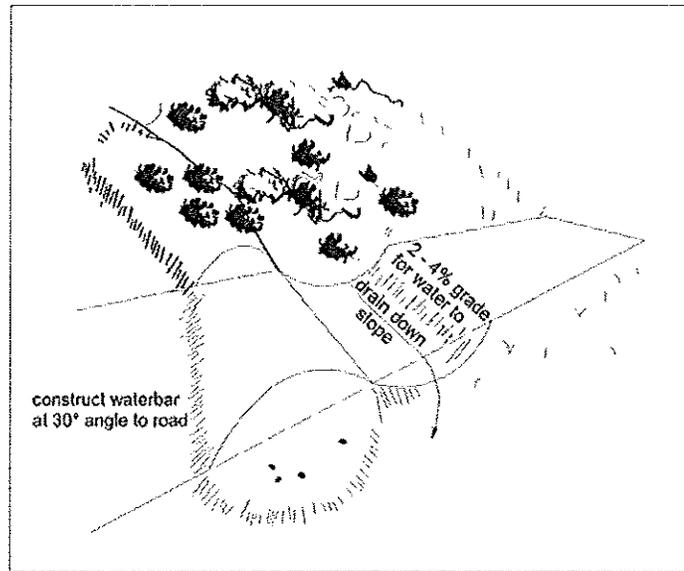
Waterbars on skid roads will be maintained throughout the entire job and installed permanently upon job completion.

Waterbars will be installed before the ground freezes and will be spaced as indicated below.

Will this BMP be used? Yes No Will recommended spacing be used? Yes No

Road Grade (% Slope)	Recommended Spacing (feet)	Alternative Spacing* (feet)
2	250	_____
5	135	_____
10	80	_____
15	60	_____
20	45	_____
25	40	_____
30	35	_____
40	30	_____

*If longer spacings are used, please make sure reasons for their use are explained.



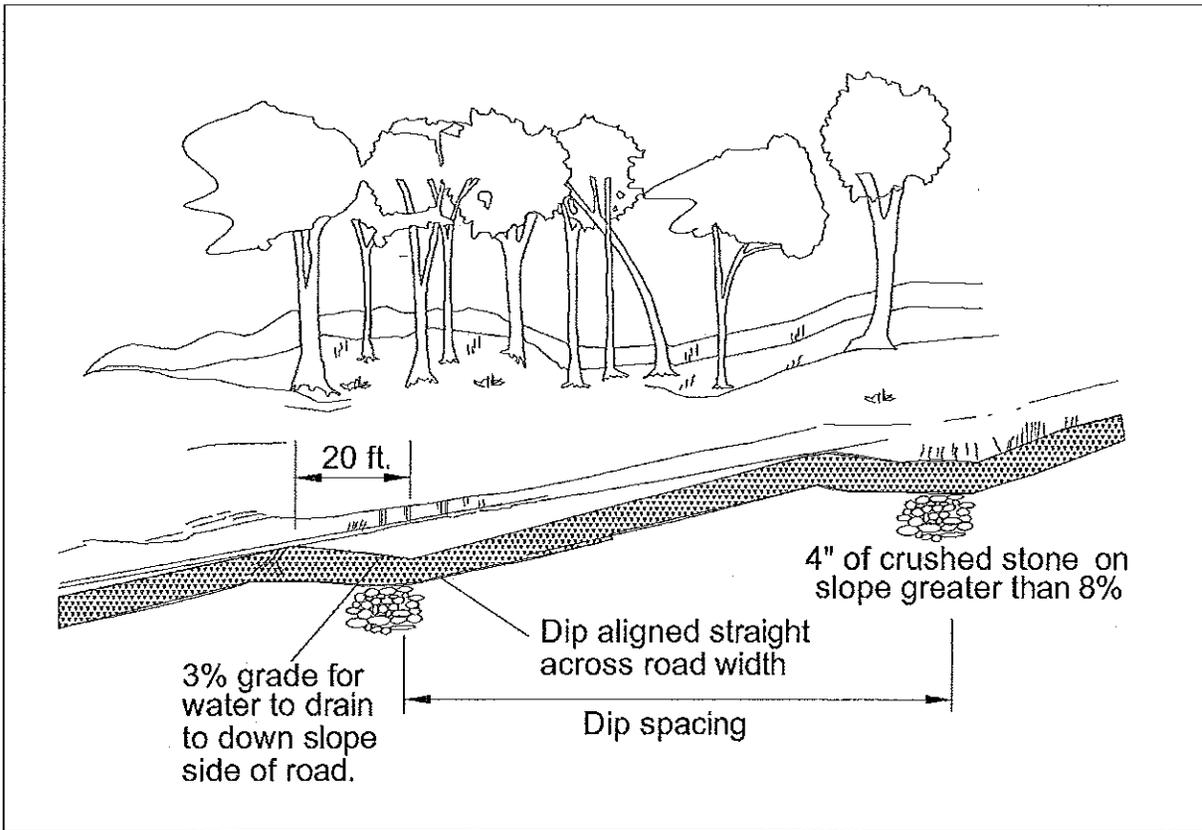
C. Broad-based dips

Broad-based dips will be installed and worked before the ground freezes. Broad-based dips on the road system are planned to be spaced as indicated below.

Will this BMP be used? Yes No Will recommended spacing be used? Yes No

Road Grade (% Slope)	Recommended Spacing (feet)	Alternative Spacing* (feet)
2	300	_____
3	250	_____
4	200	_____
5	180	_____
6	170	_____
7	160	_____
8	150	_____
9-10	140	_____

*If longer spacings are used, please make sure reasons for their use are explained.



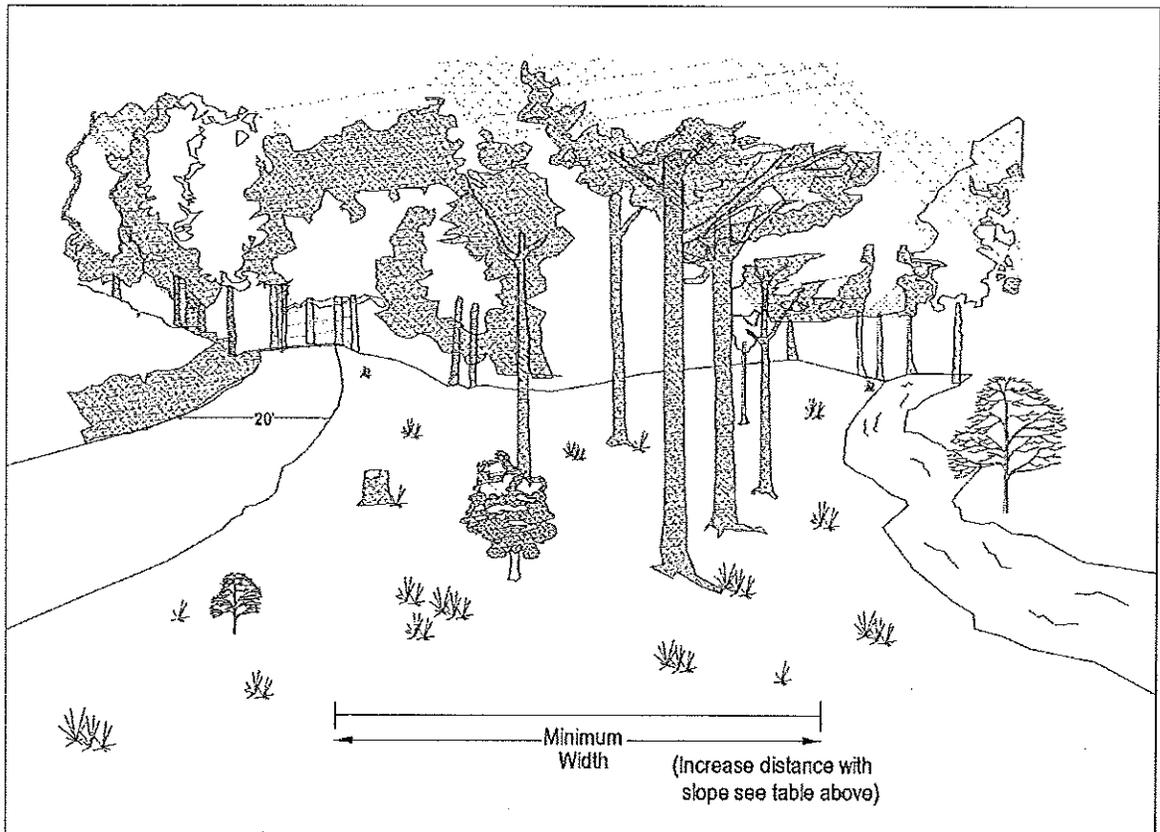
D. Filter strips

Filter strip widths by slope on land between roads and perennial streams.
 The width of the filter strip depends on the slope between the road and the stream.

Will this BMP be used? Yes No

Slope of Land Between Road and Stream (%)	Minimum width of Filter Strip (feet) +
0	25++
10	45++
20	65
30	85
40	105
50	125
60	145
70	165

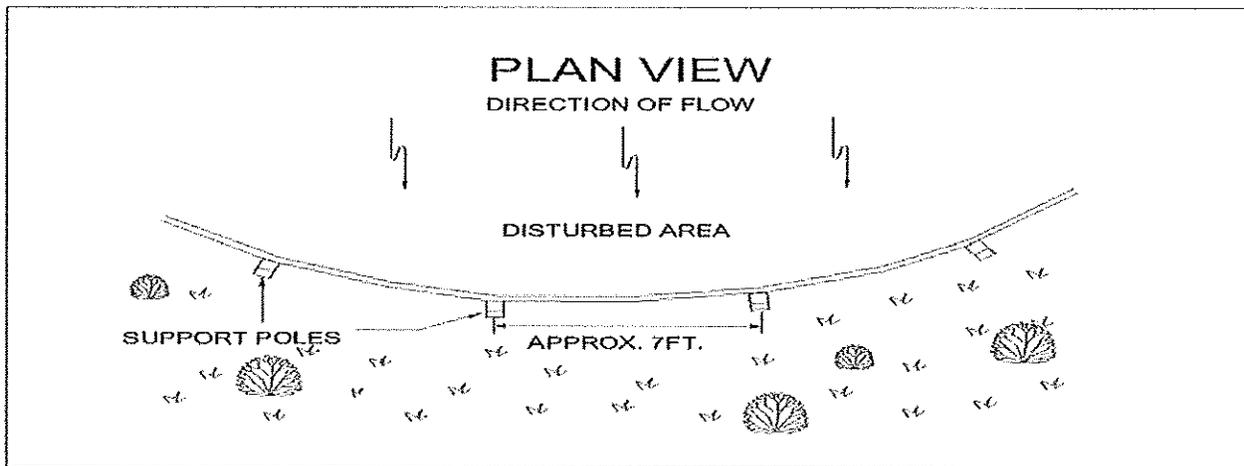
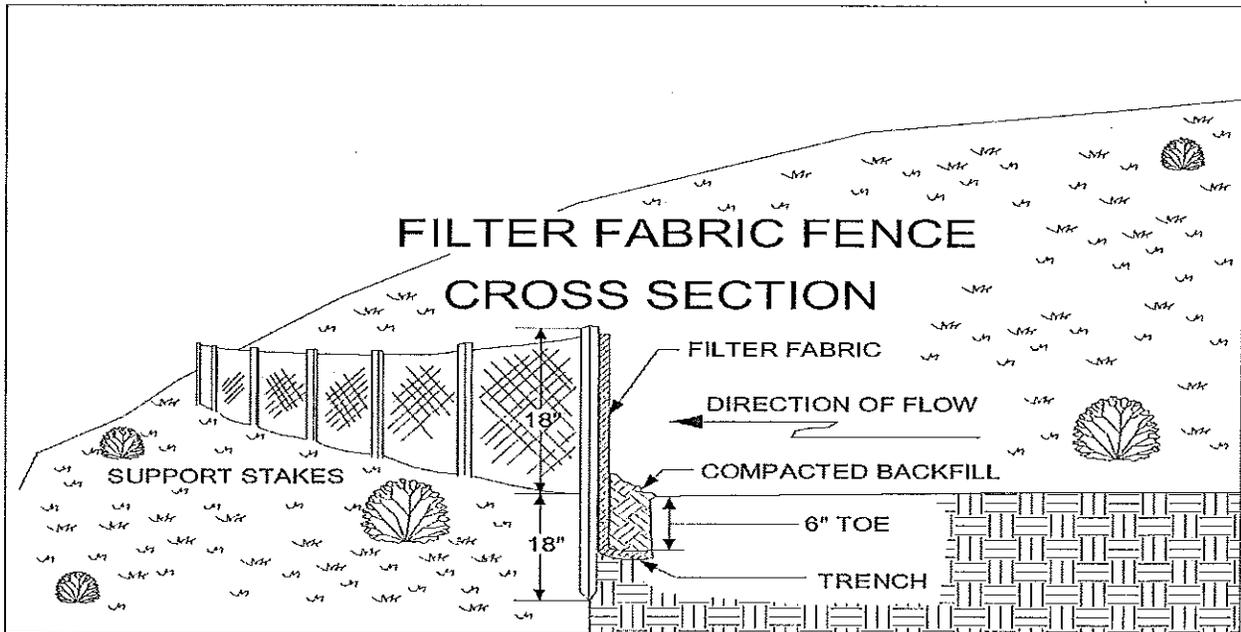
- + Widths should be doubled when the harvesting activity is located where receiving waters have a designated use/existing use of High Quality or Exceptional Value or within a municipal water supply, source water area.
- ++ Earth disturbance 50 feet or less from a stream requires a water obstruction and encroachment permit from the appropriate DEP Regional Office, Soils and Waterways Section.



E. Filter Fabric Fence

Filter fabric fence must be installed on contour at the edge of disturbed areas. Both ends of each fence section must be extended upslope at 45 degrees to the main fence alignment. They should not be installed in streams, ditches or other areas of concentrated flow. Install filter fabric fence before the ground freezes.

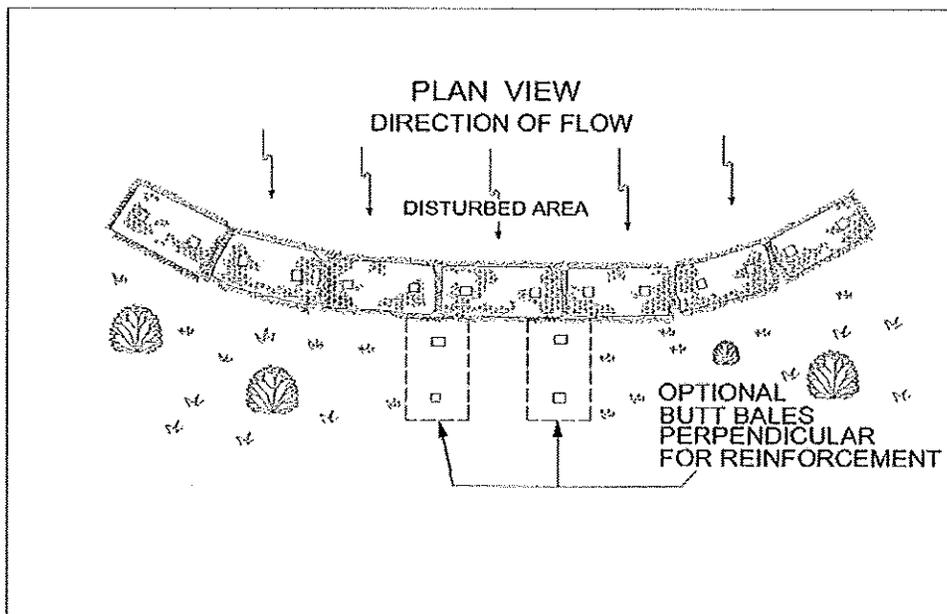
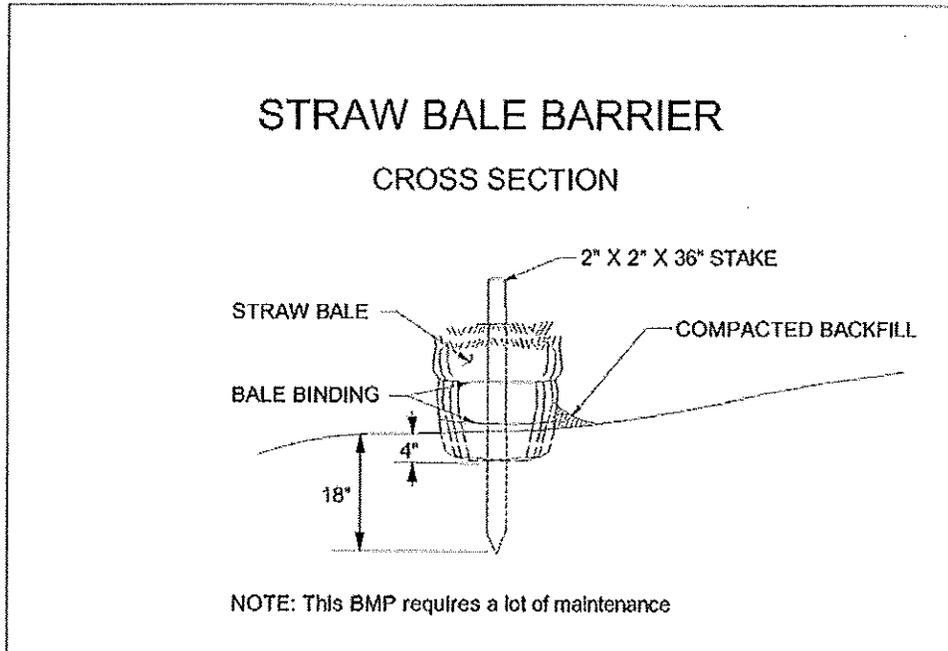
Will this BMP be used? Yes No



F. Straw Bale Barrier

Straw bale barriers shall be placed on contour at the edge of disturbed areas. Both ends of the barrier shall be extended upslope at 45 degrees to the main barrier alignment. Straw bales deteriorate and should be replaced every 3-4 months. They should not be installed in streams, ditches or other areas of concentrated flow.

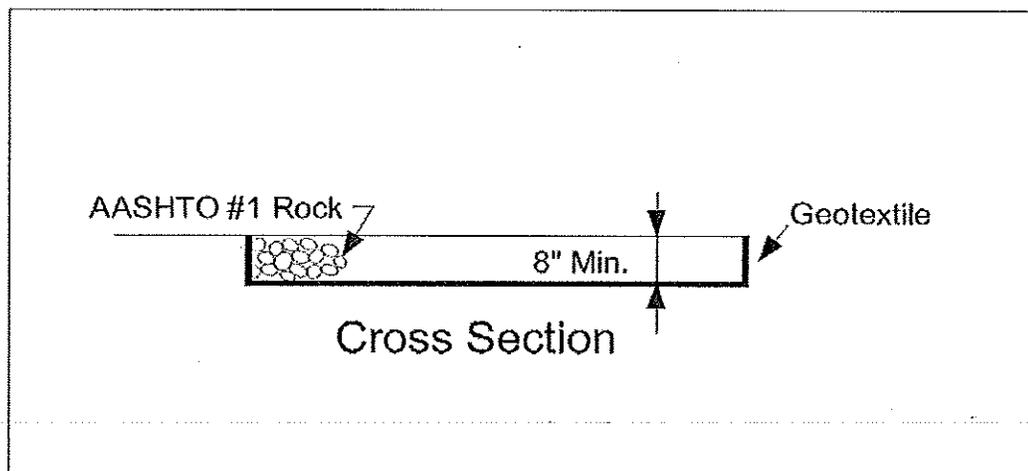
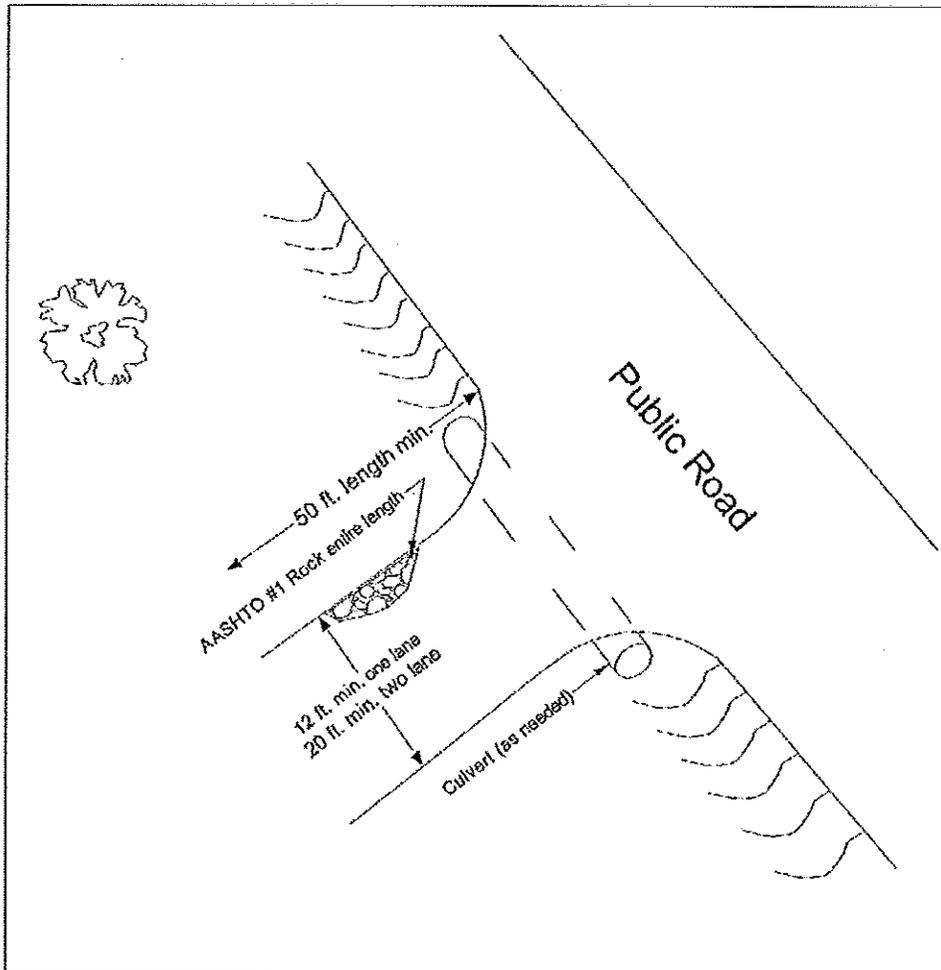
Will this BMP be used? Yes No



G. Stabilized Road Entrance

The purpose is to remove mud from tires and keep it off the road. Construction entrance shall be constantly maintained.

Will this BMP be used? Yes No



H. Disturbed Area Stabilization (check as appropriate)

	Seeding ^{4,5}	Natural Vegetation ⁵
Log Landing ⁶	<input type="checkbox"/>	<input type="checkbox"/>
Haul Roads ⁶	<input type="checkbox"/>	<input type="checkbox"/>
Skid Roads ⁶	<input type="checkbox"/>	<input type="checkbox"/>

Seed mix and seeding rate to be used on critical areas:

Suggested Seeding Mixes for Landings, Roads and Critical Areas

Mixes		Seeding rate (lb/ acre)	Mixes		Seeding rate (lb/acre)
Permanent			Temporary		
a. Birdsfoot trefoil*		8	f. Spring oats		96 (3 bu)
Redtop		3	g. Winter wheat		180 (3 bu)
b. Creeping red fescue		30	h. Winter rye		168 (3 bu)
Perennial ryegrass		10	i. Annual rye		40
c. Birdsfoot trefoil		8			
Timothy		4			
d. White clover		1			
Kentucky bluegrass		6			
Timothy		2			
e. Annual ryegrass		10			
Redtop		10			
Birdsfoot trefoil		5			

*Recommended for somewhat poor and poorly drained soils in partial shade to full sunlight.

Note: Birdsfoot trefoil and white clover seed should be properly inoculated.

9. SCHEDULE AND SEQUENCE OF OPERATIONS

Will this schedule be used? Yes No If not, provide additional information in Section 12.

Starting Date _____ Completion Date _____

- Pre-harvest:** Necessary permits will be obtained. Erosion and sediment control BMPs will be installed as specified in this plan. Haul road, landings and skid roads will be constructed.
- During harvest:** Erosion and sediment control BMPs for haul roads, skid roads and landings shall be maintained. Tops, branches and slash will be removed from ponds, lakes and streams. This plan will be amended or revised to include other BMPs for special or unanticipated circumstances that may occur.
- Post harvest:** Smooth and reshape roads and landings. Remove culverts and crossings. Install permanent waterbars as specified in this plan. Critical areas will be seeded, fertilized, limed and mulched and garbage/trash removed from the area.

10. MAINTENANCE

BMPs will be inspected on a weekly basis and after each measurable rainfall event.

Culverts will be cleaned out, repaired or replaced as necessary.

Filter strips will be maintained and respected (timber may be harvested in filter strips).

Haul roads and skid roads will be repaired where signs of accelerated erosion are detected.

Seeding and mulching will be repeated in those areas that appear to be failing or have failed.

Other (describe)

⁴ Areas to be seeded may require fertilization and liming. Soil testing will provide individualized recommendations for given sites. Recommendations of 300 lbs. of 10-10-10 fertilizer per acre and 2,000 lbs. of lime per acre should be considered to ensure 70% vegetative cover. Seeded areas will be more successful when mulched with a minimum of 2.5 tons of straw or hay per acre. Describe mulching type and rate in Section 12 when used.

⁵ Stabilization of disturbed areas is important. Disturbed areas shall be protected with such BMPs as straw bale barriers, filter fences, mulch, or filter strips, waterbars and other BMPs until vegetation is established. Critical areas such as: highly erodible soils, approaches to stream crossings and landings require establishment of permanent or temporary cover to ensure that erosion does not occur.

⁶ Indicates treatments for individual landings, haul roads or sections, and skid roads identified on the map.

11. SITE CLEANUP

Describe procedures which ensure the proper handling, storage, control, disposal and recycling of timber harvesting materials and waste, including but not limited to fuels, oil, lubricants and other materials brought to the timber harvest site or used in the process of timber harvesting.

- Garbage, fuels or any substance harmful to human, aquatic or fish life, will be prevented from entering springs, streams, ponds, lakes, wetlands or any water course or water body.
- Oils, fuels, lubricants and coolants will be placed in suitable containers and disposed properly.
- All trash and garbage will be collected and disposed properly.
- Other (describe).

12. ADDITIONAL EXPLANATION/COMMENTS (if needed)