

ZONING (office use)  
 APPLICATION FEE: \$25  
 DATE RECEIVED: \_\_\_\_\_  
 DATE COMPLETE: \_\_\_\_\_  
 PERMIT #: \_\_\_\_\_  
 SENT TO CCIS: \_\_\_\_\_

# HELLAM TOWNSHIP ZONING PERMIT APPLICATION

TOWNSHIP FEES		CCIS FEES	
ZONING:	\$ _____	BUILDING:	\$ _____
SWM @ \$25	\$ _____	OTHER:	\$ _____
C of O:	\$25.00	<b>TOTAL:</b>	<b>\$ _____</b>
OTHER:	\$ _____		
<b>TOTAL:</b>	<b>\$ _____</b>		

**PRINT LEGIBLY – USING BLUE OR BLACK INK**

**An incomplete application will not be reviewed until all missing information is submitted. This includes all signatures. If information is not submitted the application can be deemed incomplete and can be denied. Mark N/A if a section is not applicable.**

CONTACT INFORMATION				
	Name	Address	Phone(s)	E-mail
<input type="checkbox"/> Property Owner				
<input type="checkbox"/> Applicant				
<input type="checkbox"/> Contractor				

PA Act 132 Registration # \_\_\_\_\_

Provide a list of sub-contractors if any are being used.

Indicate insurance and attach a copy:

- Self - provide copy of homeowners insurance
- Contractor's Workers Compensation or Waiver

## EXISTING SITE INFORMATION

Site Address: \_\_\_\_\_ Tax Parcel ID #: 31-000-\_\_\_\_-0\_\_\_\_-\_\_\_\_ Lot Area: \_\_\_\_\_ acres

Zoning District:  Rural-Ag.  Res.  Comm/Ind  MU-1  MU-2  Interchange  Quarry  
 Floodplain  Historic  Village  TDR  Steep Slopes  Woodlands/Canopy  Riparian

Overlay Zone: Buffer

Utilities: Sewer Service:  Public  Private Water Service:  Public  Private

- Are there any easements or right-of-ways on the property?  Yes  No
- Are any utility poles on your property?  Yes  No
- Are there any underground utilities through the property?  Yes  No
- Are there any deed restrictions or homeowner's association for the property?  Yes  No
- What type of road does the site access?  Township  State  Private

Attach a copy of documents (deed, restriction, HOP permits, driveway permits, etc).

## PROPOSED IMPROVEMENTS

**STRUCTURAL ACTIVITY**

- New Structure
- Addition
- Alteration
- Demolition
- Replacement
- Other \_\_\_\_\_

**TYPE OF IMPROVEMENT**

- Accessory Structure
- Alternative Energy
- Deck
- Fence/Wall
- Single Family Residence
- Sidewalk/Patio/Pavers
- Sign
- Swimming Pool/Spa
- Other \_\_\_\_\_

**OTHER DEVELOPMENT ACTIVITIES**

- Fill, Grading, Excavation
- Pond
- Watercourse Alteration Drainage Improvements
- Well
- Timber Harvesting
- Other \_\_\_\_\_

**USE**

- Change of Use
- Home Occupation
- Special Event
- Temporary Use
- Other \_\_\_\_\_

SIZE OF IMPROVEMENT	DISTANCE FROM PROPERTY LINES	DESCRIPTION OF WORK
Length: _____	Front: _____	_____
Width: _____	Rear: _____	_____
Height: _____	Right: _____	_____
Total Area: _____	Left: _____	_____

- Is a construction entrance being utilized for this project?  No  Yes - provide details of location and method
- Is the proposed land disturbance (construction entrance, grading, etc.) over 100 s.f. in area?  No  Yes - submit Stormwater Management Application
- Is a Knox Box for Emergency Access installed at the site?  Yes  No- submit necessary paperwork (required for all business in the Township)

"Total cost of construction" means the actual cost incurred by the owner, all contractors, subcontractors and other parties for labor, material, equipment, profit and incidental expenses for the entire project.

<b>TOTAL COST OF CONSTRUCTION:</b> \$ _____
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**STATEMENTS AND VERIFICATION BY APPLICANT**  
(initial by applicant, contractor, zoning officer & state below)

<b>Initials</b>	<b>I hereby understand and agree to the following:</b>
_____	This application authorizes any municipal representative of Hellam Township to access the above property as stated within this application during normal business hours, without an administrative warrant; to inspect and verify that any proposed use and/or structure contained within this application complies with all Hellam Township Zoning Ordinance.
_____	The Township office is not responsible for any property dimensions shown on the site plan and establishment of property lines is the sole responsibility of the property owner and applicant.
_____	The failure to adhere to any and all provisions of the Hellam Township Ordinances shall constitute a violation as to any Permit issued per this Application, which shall cause any Permit to become Null and Void, and revocable by Hellam Township via its Zoning Officer or other designated agent.
_____	No construction, including moving of earth, can begin until the appropriate permits are acquired.

The application, together with the signed site plan and construction documents, is made part of this application by the undersigned. I/We hereby certify that as applicants, owners, or others that I/we completed and read the foregoing Application, that the information and statements provided on this application is true and correct to the best of their knowledge or belief. I/We do hereby certify under penalty of perjury.

Signature of Applicant \_\_\_\_\_ Date \_\_\_\_\_

Signature of Property Owner \_\_\_\_\_ Date \_\_\_\_\_

The property owner(s) must sign this application to verify the contractor or tenant has permission from the property owner(s) to do all construction work authorized by the issuance of this permit.

**ZONING OFFICER/TRACTOR**  
(initial & state only)

\_\_\_\_\_ The application is in accordance with the Hellam Township Zoning Ordinance and is hereby **approved**.

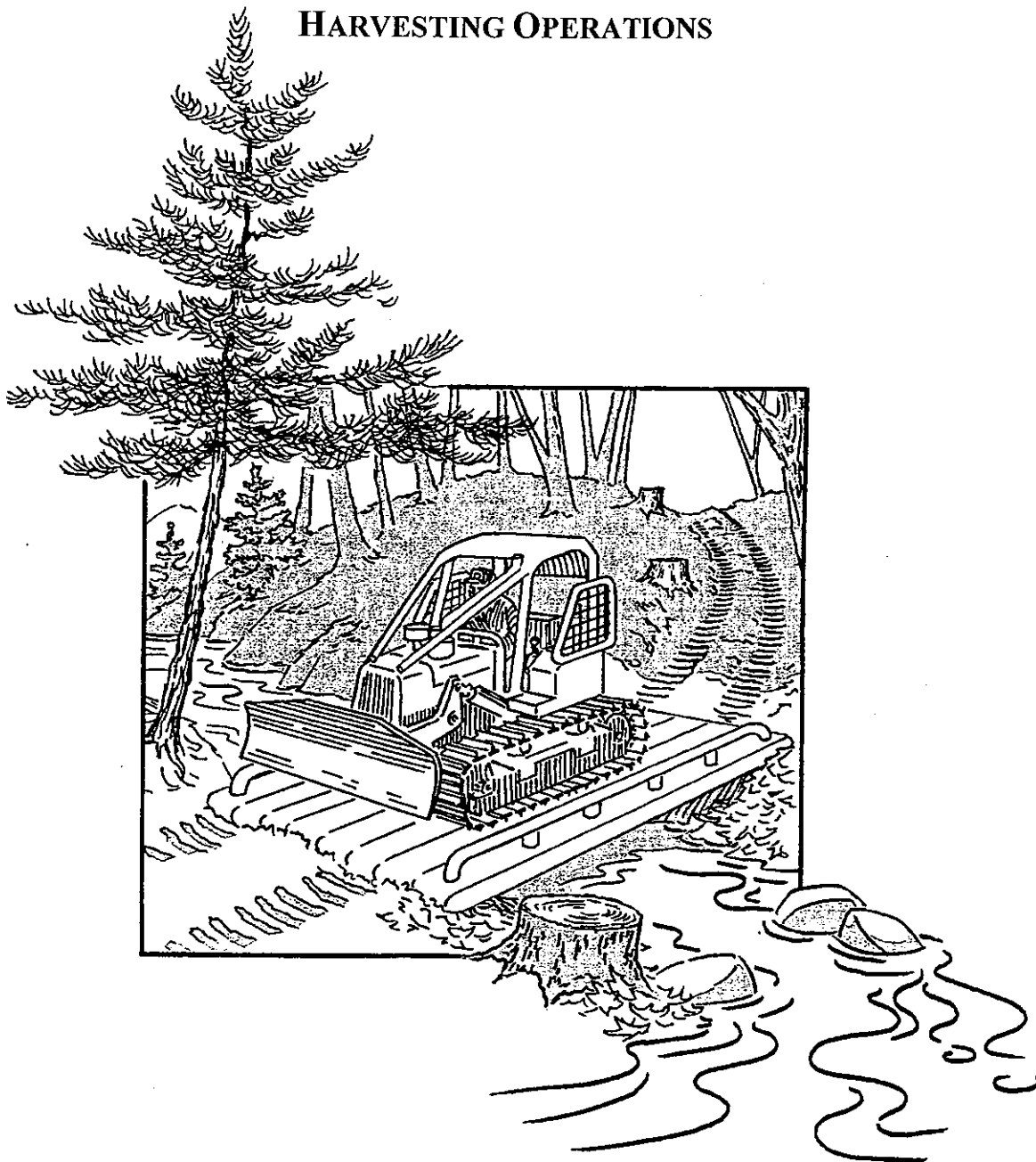
\_\_\_\_\_ The application is hereby **disapproved** for the following reason(s): \_\_\_\_\_

\_\_\_\_\_ in violation of §490-

Signature of Zoning Officer \_\_\_\_\_ Date \_\_\_\_\_

Special Instructions or Restrictions: \_\_\_\_\_

**CONTROLLING EROSION AND SEDIMENT  
FROM TIMBER  
HARVESTING OPERATIONS**



**PROFESSIONAL TIMBER HARVESTERS  
ACTION PACKET**

Edward G. Rendell, *Governor*  
Commonwealth of Pennsylvania

*An Equal Opportunity Employer*

Kathleen A. McGinty, *Secretary*  
Department of Environmental Protection

**Recommended Distances for Cross Drain Culverts (\*Minimum of 12" culvert)**

Road grade (% slope)	Culvert spacing (feet)
2	500
3	400
4	350
5-6	300
7-8	250
9-11	200
12-13	150
14+	

**Suggested Temporary Stream Crossing Culvert Sizes, by Acres Drained**  
Refer to DEP-ESPC Program Manual for design assumptions and restrictions

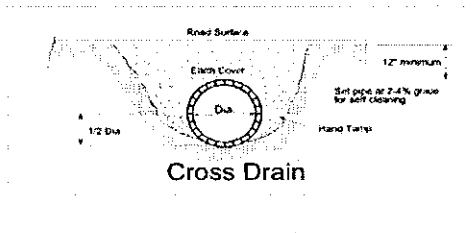
**Filter Strip Widths by Slope of Land Between Roads and Perennial Streams**

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, Permitting and Technical Services Section.

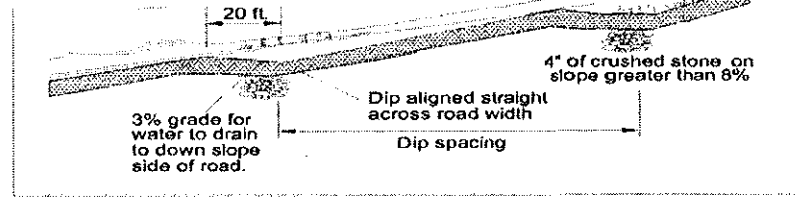
**Cross Drain Culvert Installation**



**Broad-Based Dip Spacing**

Road grade (% slope)	Spacing (feet)
2	300
3	250
4	200
5	180
6	170
7	160
8	150
9-10	140

**Broad-Based Dips**



**Suggested Seeding Mixes for Landings, Roads, and Critical Areas**

Mixes	Seeding rate (lb/acre)	Mixes	Seeding rate (lb/acre)
<b>Permanent</b>		<b>Temporary</b>	
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.

**Waterbar Spacing**

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

**Waterbars**



**MATRIX FOR CALCULATING ACRES OF DISTURBED AREA**

	WIDTH OF DISTURBED AREA (FT.)										WIDTH OF DISTURBED AREA (FT.)											
	20	40	60	80	100	120	140	160	180	200	20	40	60	80	100	120	140	160	180	200		
D											D	210	0.09	0.19	0.28	0.38	0.48	0.57	0.67	0.77	0.86	0.96
I	20	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	I	220	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.01
S	30	0.01	0.02	0.04	0.05	0.06	0.08	0.09	0.11	0.12	S	230	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.95	1.05
T	40	0.01	0.03	0.05	0.07	0.09	0.11	0.12	0.14	0.16	T	240	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88	0.99	1.10
U	50	0.02	0.04	0.06	0.09	0.11	0.13	0.16	0.18	0.20	U	250	0.11	0.22	0.34	0.45	0.57	0.68	0.80	0.91	1.03	1.14
R											R											
B	60	0.02	0.05	0.08	0.11	0.13	0.16	0.19	0.22	0.24	B	260	0.11	0.23	0.35	0.47	0.59	0.71	0.83	0.95	1.07	1.19
E	70	0.03	0.06	0.09	0.12	0.16	0.19	0.22	0.25	0.28	E	270	0.12	0.24	0.37	0.49	0.61	0.74	0.86	0.99	1.11	1.23
D	80	0.03	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33	D	280	0.12	0.25	0.38	0.51	0.64	0.77	0.89	1.02	1.15	1.28
	90	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.33	0.37		290	0.13	0.26	0.39	0.53	0.66	0.79	0.93	1.06	1.19	1.33
A	100	0.04	0.09	0.13	0.18	0.22	0.27	0.32	0.36	0.41	A	300	0.13	0.27	0.41	0.55	0.68	0.82	0.96	1.10	1.23	1.37
R											R											
E	110	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	E	310	0.14	0.28	0.42	0.56	0.71	0.85	0.99	1.13	1.28	1.42
A	120	0.05	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.49	A	320	0.14	0.29	0.44	0.58	0.73	0.88	1.02	1.17	1.32	1.46
	130	0.05	0.11	0.17	0.23	0.29	0.35	0.41	0.47	0.53		330	0.15	0.30	0.45	0.60	0.75	0.90	1.06	1.21	1.36	1.51
L	140	0.06	0.12	0.19	0.25	0.32	0.38	0.44	0.51	0.57	L	340	0.15	0.31	0.46	0.62	0.78	0.93	1.09	1.24	1.40	1.56
E	150	0.06	0.13	0.20	0.27	0.34	0.41	0.48	0.55	0.61	E	350	0.16	0.32	0.48	0.64	0.80	0.96	1.12	1.28	1.44	1.60
R											R											
N											N											
G	160	0.07	0.14	0.22	0.29	0.36	0.44	0.51	0.58	0.66	G	360	0.16	0.33	0.49	0.66	0.82	0.99	1.15	1.32	1.48	1.65
T	170	0.07	0.15	0.23	0.31	0.39	0.46	0.54	0.62	0.70	T	370	0.16	0.33	0.50	0.67	0.84	1.01	1.18	1.35	1.52	1.69
H	180	0.08	0.16	0.24	0.33	0.41	0.49	0.57	0.66	0.74	H	380	0.17	0.34	0.52	0.69	0.87	1.04	1.22	1.39	1.57	1.74
	190	0.08	0.17	0.26	0.34	0.43	0.52	0.61	0.69	0.78		390	0.17	0.35	0.53	0.71	0.89	1.07	1.25	1.43	1.61	1.79
(ft.)	200	0.09	0.18	0.27	0.36	0.45	0.55	0.64	0.73	0.82	(ft.)	400	0.18	0.36	0.55	0.73	0.91	1.10	1.28	1.46	1.65	1.83



**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](http://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 = _____

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

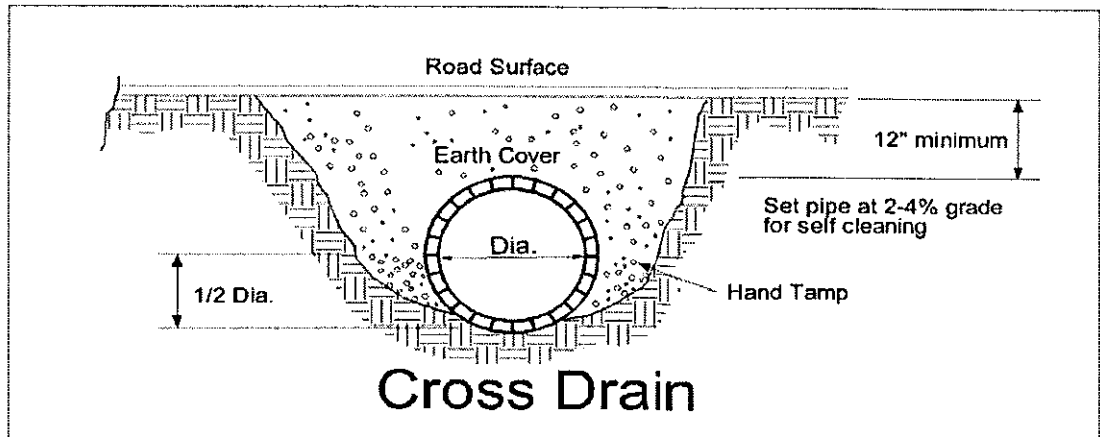
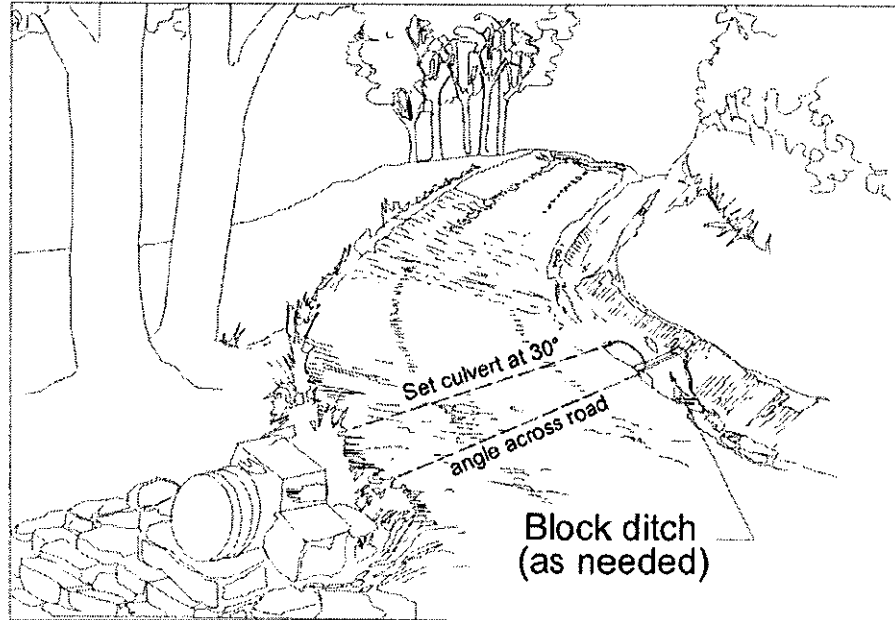
The following standard BMP drawings and recommended spacings (Sections A-H) have been provided to fulfill the requirements of this plan. If you plan to use any of these recommended BMPs, please check the appropriate boxes for Sections A through H. If you plan to use alternative BMPs, you must provide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

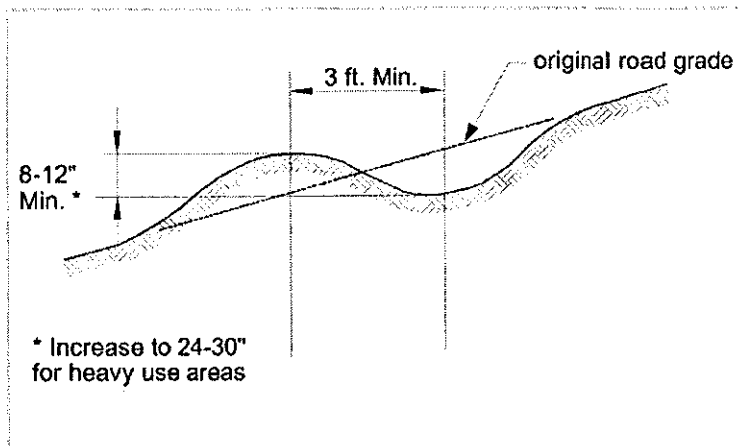
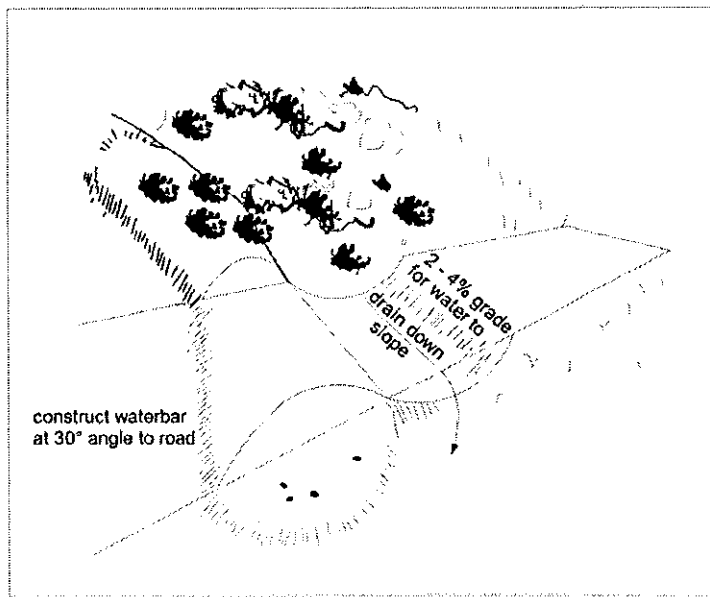
Waterbars on skid roads will be maintained throughout the entire job and installed permanently upon job completion.

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.





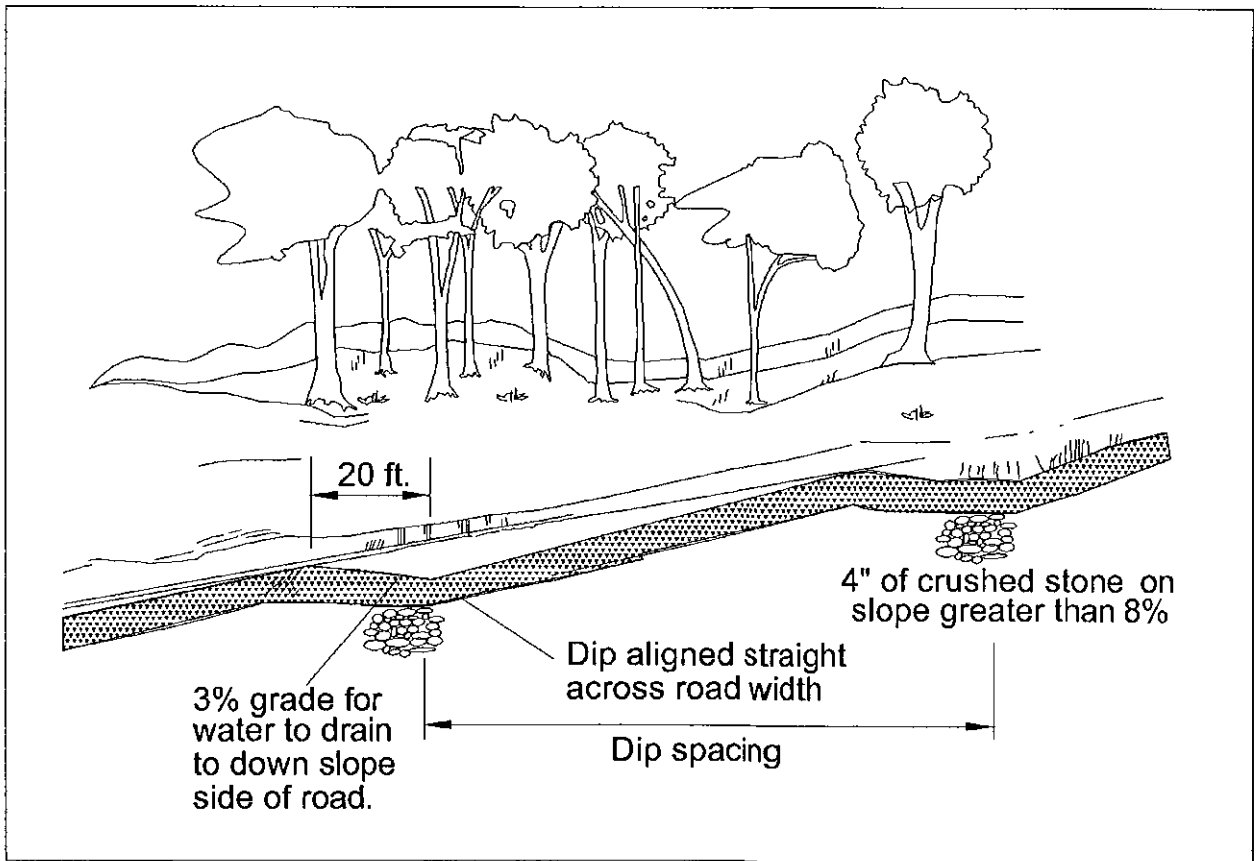
**C. Broad-based dips**

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.



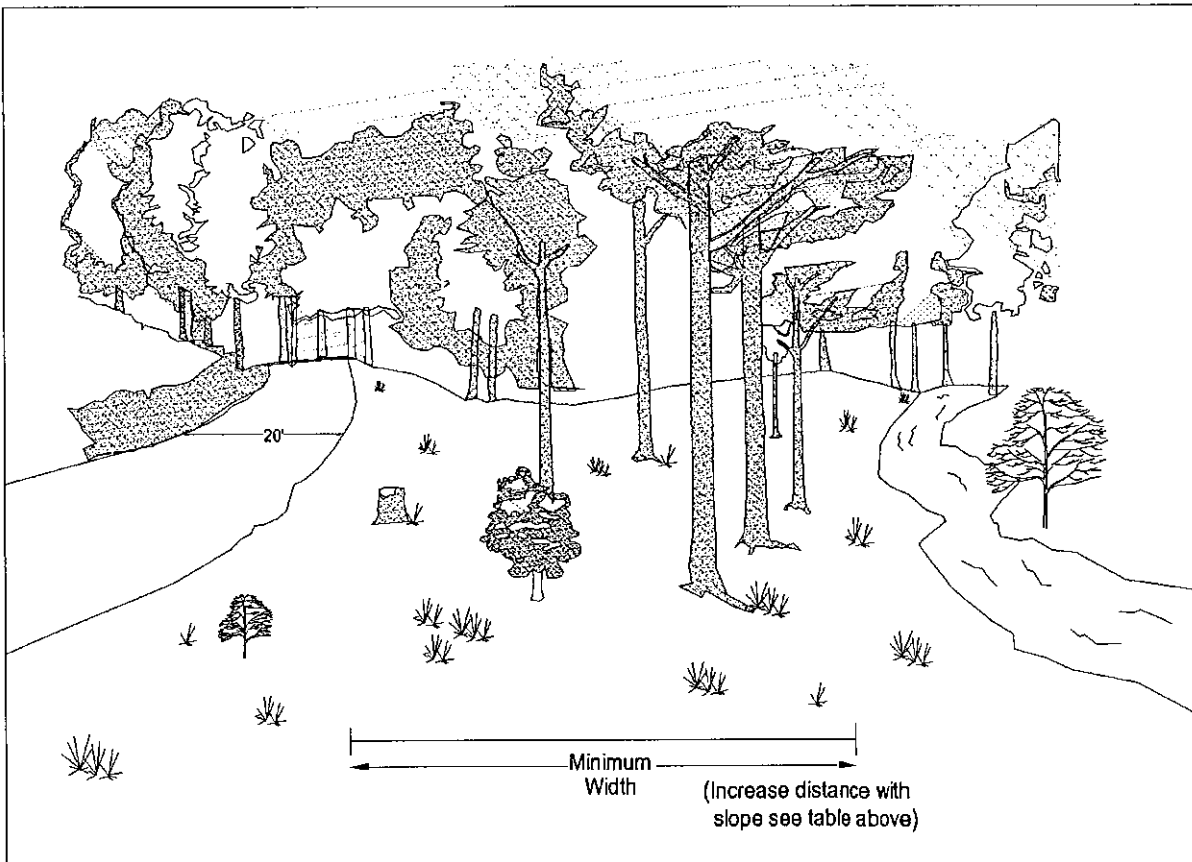
**D. Filter strips**

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

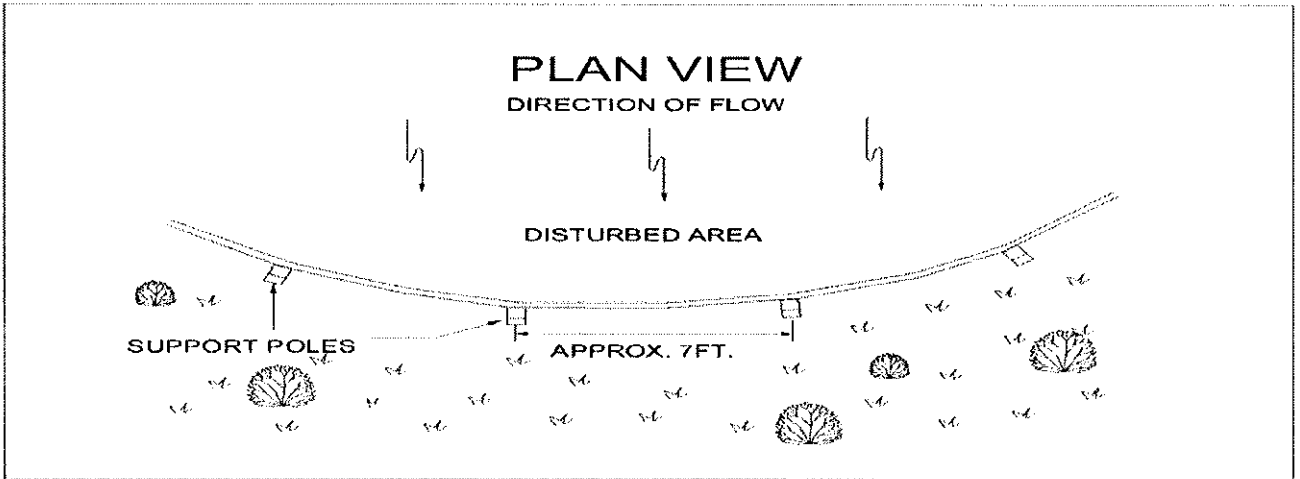
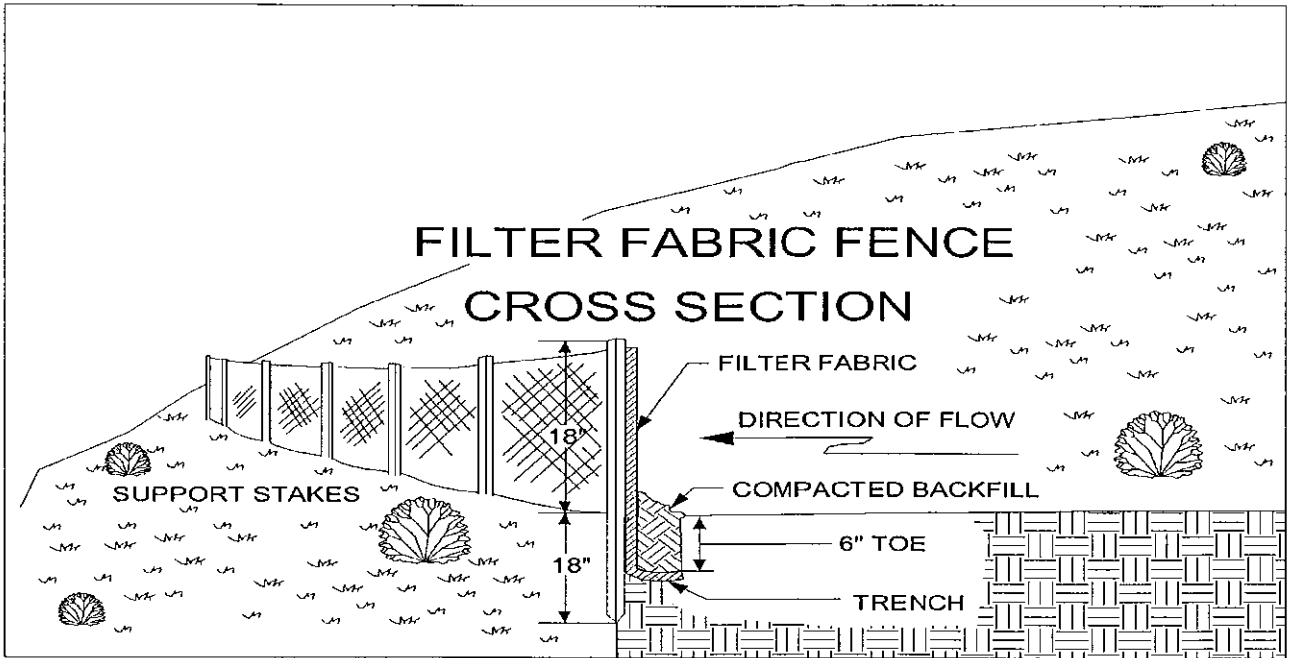
- + Widths should be doubled when the harvesting activity is located where receiving waters have a designated use/existing use of High Quality or Exceptional Value or within a municipal water supply, source water area.
- ++ Earth disturbance 50 feet or less from a stream requires a water obstruction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

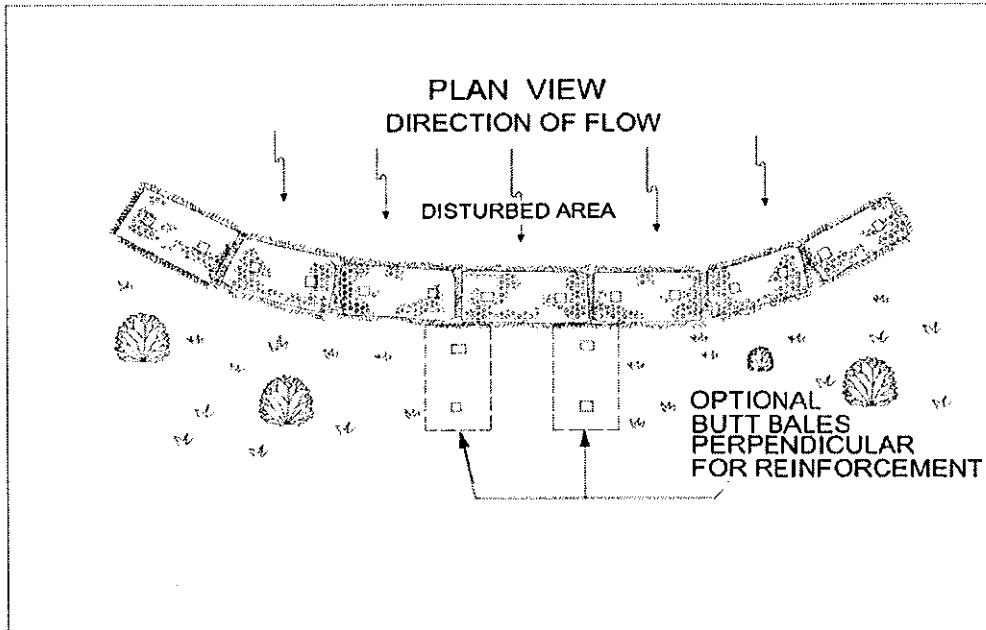
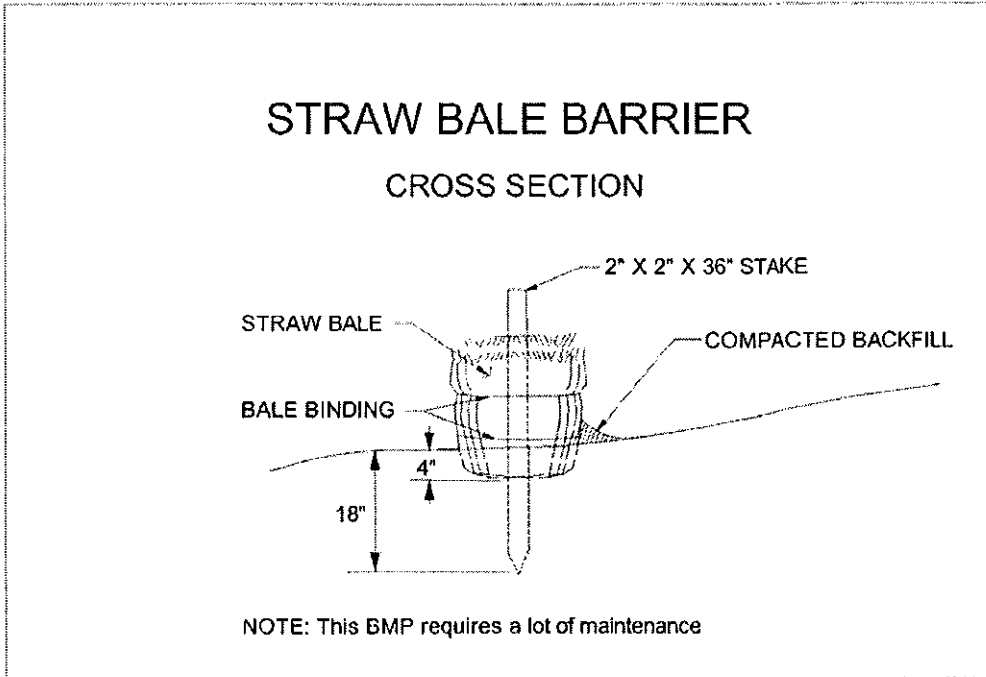
Will this BMP be used?  Yes  No



## 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.

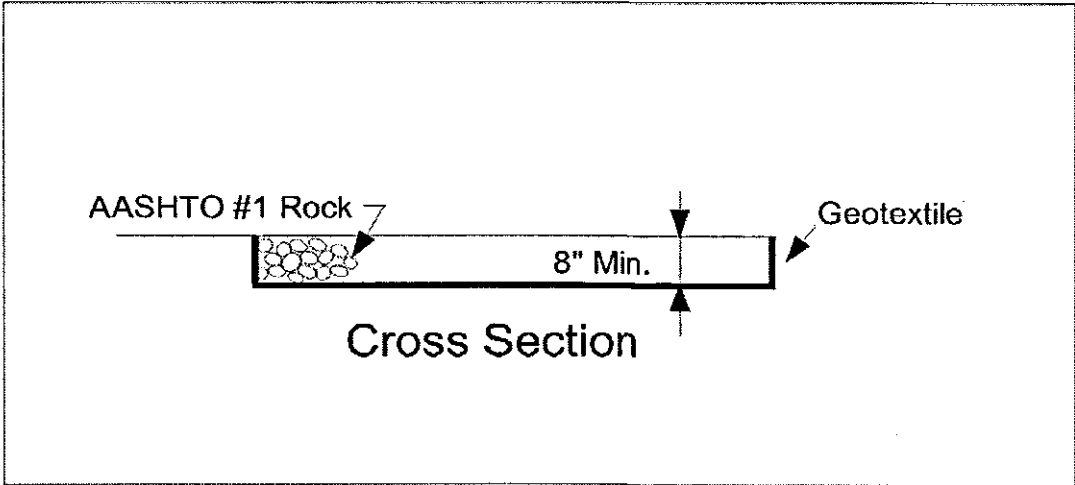
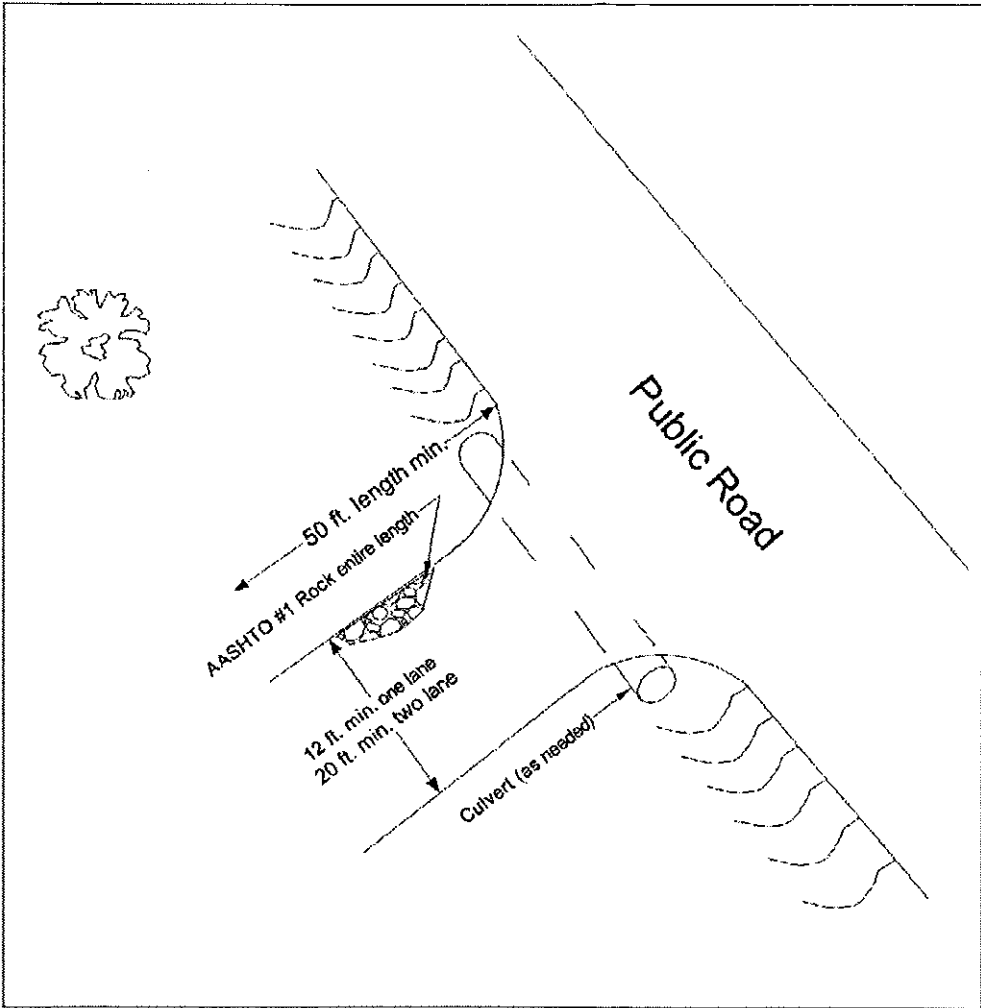
Will this BMP be used?  Yes  No



**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 <sup>4,5</sup>	Natural Vegetation <sup>5</sup>
Log Landing <sup>6</sup>	<input type="checkbox"/>	<input type="checkbox"/>
Haul Roads <sup>6</sup>	<input type="checkbox"/>	<input type="checkbox"/>
Skid Roads <sup>6</sup>	<input type="checkbox"/>	<input type="checkbox"/>

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

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**Suggested Seeding Mixes for Landings, Roads and Critical Areas**

Mixes	Seeding rate (lb/ acre)	Mixes	Seeding rate (lb/acre)
<b>Permanent</b>		<b>Temporary</b>	
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)

<sup>4</sup> 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.

<sup>5</sup> 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.

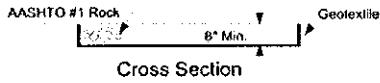
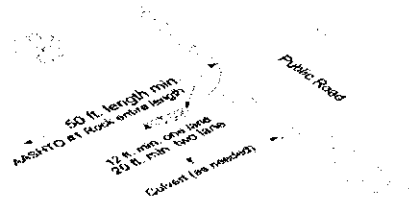
<sup>6</sup> Indicates treatments for individual landings, haul roads or sections, and skid roads identified on the map.

## 11. SITE CLEANUP

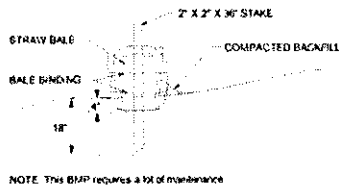
Describe procedures which ensure the proper handling, storage, control, disposal and recycling of timber harvesting materials and waste, including but not limited to fuels, oil, lubricants and other materials brought to the timber harvest site or used in the process of timber harvesting.

- 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)



**STRAW BALE BARRIER**  
CROSS SECTION



**FILTER FABRIC FENCE**  
CROSS SECTION



**MATRIX FOR CALCULATING ACRES OF DISTURBED AREA**

	WIDTH OF SKID TRAIL OR HAUL ROAD (FT.)									
	8	10	12	14	16	20	25	30	35	40
50	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04
100	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.08	0.09
150	0.02	0.03	0.04	0.04	0.05	0.06	0.08	0.10	0.12	0.13
200	0.03	0.04	0.05	0.06	0.07	0.09	0.11	0.13	0.16	0.18
250	0.04	0.05	0.06	0.08	0.09	0.11	0.14	0.17	0.20	0.22
300	0.05	0.06	0.08	0.09	0.11	0.13	0.17	0.20	0.24	0.27
350	0.06	0.08	0.09	0.11	0.12	0.16	0.20	0.24	0.28	0.32
400	0.07	0.09	0.11	0.12	0.14	0.18	0.22	0.27	0.32	0.36
450	0.08	0.10	0.12	0.14	0.16	0.20	0.25	0.30	0.36	0.41
500	0.09	0.11	0.13	0.16	0.18	0.22	0.28	0.34	0.40	0.45
550	0.10	0.12	0.15	0.17	0.20	0.25	0.31	0.37	0.44	0.50
600	0.11	0.13	0.16	0.19	0.22	0.27	0.34	0.41	0.48	0.55
650	0.11	0.14	0.17	0.20	0.23	0.29	0.37	0.44	0.52	0.59
700	0.12	0.16	0.19	0.22	0.25	0.32	0.40	0.48	0.56	0.64
750	0.13	0.17	0.20	0.24	0.27	0.34	0.43	0.51	0.60	0.68
800	0.14	0.18	0.22	0.25	0.29	0.36	0.45	0.55	0.64	0.73
850	0.15	0.19	0.23	0.27	0.31	0.39	0.48	0.58	0.68	0.78
900	0.16	0.20	0.24	0.28	0.33	0.41	0.51	0.61	0.72	0.82
950	0.17	0.21	0.26	0.30	0.34	0.43	0.54	0.65	0.76	0.87
1000	0.18	0.22	0.27	0.32	0.36	0.45	0.57	0.68	0.80	0.91
1050	0.19	0.24	0.28	0.33	0.38	0.48	0.60	0.72	0.84	0.96
1100	0.20	0.25	0.30	0.35	0.40	0.50	0.63	0.75	0.88	1.01
1150	0.21	0.26	0.31	0.36	0.42	0.52	0.66	0.79	0.92	1.05
1200	0.22	0.27	0.33	0.38	0.44	0.55	0.68	0.82	0.96	1.10
1250	0.22	0.28	0.34	0.40	0.45	0.57	0.71	0.86	1.00	1.14
1300	0.23	0.29	0.35	0.41	0.47	0.59	0.74	0.89	1.04	1.19
1350	0.24	0.30	0.37	0.43	0.49	0.61	0.77	0.92	1.08	1.23
1400	0.25	0.32	0.38	0.44	0.51	0.64	0.80	0.96	1.12	1.28
1450	0.26	0.33	0.39	0.46	0.53	0.66	0.83	0.99	1.16	1.33
1500	0.27	0.34	0.41	0.48	0.55	0.68	0.86	1.03	1.20	1.37
1550	0.28	0.35	0.42	0.49	0.56	0.71	0.88	1.06	1.24	1.42
1600	0.29	0.36	0.44	0.51	0.58	0.73	0.91	1.10	1.28	1.46
1650	0.30	0.37	0.45	0.53	0.60	0.75	0.94	1.13	1.32	1.51
1700	0.31	0.39	0.46	0.54	0.62	0.78	0.97	1.17	1.36	1.56
1750	0.32	0.40	0.48	0.56	0.64	0.80	1.00	1.20	1.40	1.60
1800	0.33	0.41	0.49	0.57	0.66	0.82	1.03	1.23	1.44	1.65
1850	0.33	0.42	0.50	0.59	0.67	0.84	1.06	1.27	1.48	1.69
1900	0.34	0.43	0.52	0.61	0.69	0.87	1.09	1.30	1.52	1.74

# THE PROFESSIONAL TIMBER HARVESTER

- IS COMMITTED TO WISE STEWARDSHIP OF NATURAL RESOURCES
- PLANS, IMPLEMENTS AND MAINTAINS SOUND EROSION AND SEDIMENT POLLUTION CONTROL MEASURES

For more information, contact:

Department of Environmental Protection  
 Bureau of Watershed Management  
 Division of Waterways, Wetlands and Stormwater Management  
 P.O. Box 8775  
 Harrisburg, PA 17105-8775  
 Phone: 717-787-6827

For more information, visit [www.depweb.state.pa.us](http://www.depweb.state.pa.us), keyword: Erosion Control.



## TECHNICAL ASSISTANCE

It is best to seek technical assistance first from the County Conservation District. District offices or headquarters are generally located in the county seat. Conservation districts offer technical assistance on soils, erosion and sediment control, water obstruction and encroachment permits and conservation planning for best land use.

### **PENNSYLVANIA FISH AND BOAT COMMISSION**

Waterways conservation officers are responsible for technical assistance and supervision in carrying out fish and aquatic life conservation activities and enforcement of fish and boating laws, and other state laws and regulations under memorandums of understanding with other governmental agencies.

### **NATURAL RESOURCES CONSERVATION SERVICE (NRCS)**

The NRCS, formerly the Soil Conservation Service (SCS), is the technical branch of the US Department of Agriculture. The agency provides technical services for establishing conservation practices, making reviews and recommendations, and developing soil and water conservation projects. The NRCS generally works through and in support of County Conservation Districts and has offices in most counties.

### **PENN STATE COOPERATIVE EXTENSION (PSU-CE)**

Agents and resource specialists are located in Cooperative Extension offices in each county seat. Extension has close ties with The Pennsylvania State University and the agricultural community. Extension offices can provide assistance in soil testing, lime and fertilizer requirements, and seed mixtures.

### **DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES (DCNR) BUREAU OF FORESTRY - DISTRICT FORESTRY OFFICE**

State service foresters are available, when requested, to assist with workshops organized by County Conservation Districts on timber harvesting erosion and sediment control; to help timber harvesters individually become familiar with the preparation of erosion and sediment control plans; and to provide technical assistance for resolving unusual problems of timber harvesting erosion and sediment control. State service foresters may be reached by contacting the appropriate District Forestry office. Addresses and telephone numbers for those offices are available from the County Conservation District office.

### **CONSULTANT AND INDUSTRIAL FORESTERS**

Many private consulting and industrial foresters have considerable experience in timber sale administration and logging road design. A list of these foresters can be obtained from the state service forester.

### **DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) BUREAU OF WATERSHED MANAGEMENT (DEP - BWM)**

DEP-BWM, working through County Conservation Districts, is responsible for the administration of the Erosion and Sediment Control Program, as well as for policy development and training. The DEP-BWM staff works in coordination with DEP Regional Offices, as well as, other state, federal and local agencies.

### **DEP REGIONAL OFFICE - PERMITTING AND TECHNICAL SERVICES SECTION**

The Permitting and Technical Services Section of each regional office provides technical assistance, permit issuance, and enforcement for stream crossings and earth disturbance activities.

### **DEP DIVISION OF WATERWAYS, WETLANDS AND STORMWATER MANAGEMENT (DEP - WWSM)**

WWSM administers laws and regulations related to flood plain management, water obstructions, wetlands and erosion and sediment control.

### **U.S. FOREST SERVICE (USFS)**

Allegheny National Forest rangers are available for consultation on USFS policy and cooperation. They can be reached through the Forest Supervisor's office in Warren, PA.

### **U.S. ARMY CORPS OF ENGINEERS (COE)**

Three Army Corps districts encompass Pennsylvania: Baltimore, Philadelphia and Pittsburgh. The COE is responsible for developing studies, programs and construction projects affecting land and water resources.

### **PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PennDOT)**

Pennsylvania has 11 PennDOT district offices. The Department is responsible for issuance of entranceway and road bond permits for state roadways.

### **LOCAL MUNICIPALITY**

Check with the local municipality for ordinances regulating timber harvesting activities and municipal roadway usage.

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THIS PUBLICATION WAS DEVELOPED IN COOPERATION WITH:

THE PENNSYLVANIA STATE UNIVERSITY  
COLLEGE OF AGRICULTURE  
COOPERATIVE EXTENSION  
UNIVERSITY PARK, PA

AND

THE CAMBRIA COUNTY CONSERVATION DISTRICT,  
EBENSBURG, PA



BOND NO. \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_

As principal, and the \_\_\_\_\_

A corporation duly created and existing under the laws of the State of Pennsylvania, and having its principal office in \_\_\_\_\_, as surety, are held, and firmly bound unto the Township of Hellam as Oblige in the sum of \_\_\_\_\_ dollars, lawful money of the United States, to be paid to the said Township of Hellam or to its certain attorneys, executors, administrators, successors or assigns: to the payment whereof we bind ourselves and each of us, our and each of our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into an agreement or agreements with the oblige to:

Maintain 100 L.F. of Spring Rd both east and west from the centerline of the hauling access way.

NOW THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH, That if the above bounden principal shall in all respects comply with the terms and conditions of said permit and fully meet and perform his, their or its obligations thereunder, and shall well and truly and in a manner satisfactory to The Township of Hellam complete the work permitted and save harmless the Township of Hellam from any expense incurred through the failure of said principal to comply with the terms and conditions of said permit or from any damage growing out of the negligence of the said principal, or his, their or its agents or employees then the above obligation to be void and of none effect; otherwise to remain in full force and virtue in law.

**The Township of Hellam requires that a performance bond be kept on file for a minimum of 30 days from the date of the oversize / overweight move unless otherwise specified.** This is an office policy due to the excessive size/weight where damages may not be immediate to ensure potential coverage of costs associated with a particular move.

IN TESTIMONY WHEREOF, the said Principal has hereunto set his hand and seal and the said Surety has caused this instrument of writing to be executed.

Signed, sealed and dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

WITNESS AS TO PRINCIPAL

\_\_\_\_\_  
(SEAL)

WITNESS AS TO SURETY:

\_\_\_\_\_ By \_\_\_\_\_  
(SEAL)

