







Basic Objectives of an E&SC Plan (con't) Control Surface Water Control surface water run-off originating upgrade of exposed areas in order to reduce erosion and sediment loss during exposure. Control Sedimentation All land-disturbing activity is to be planned and conducted so as to prevent off-site sedimentation damage. Manage Storm Water Runoff When the increased velocity of storm water runoff resulting from a land-disturbing activity causes accelerated erosion of the receiving watercourse, plans shall include measures to control the velocity to the point of discharge.















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Impervious Dike: Prefabricated Dams

- Impervious prefabricated dam
- Typically made of poly-fabric
- Weight of water holds in place
- Remove all trees and sharp rocks prior to installation























Wattle Installation Guide



•Place wooden stakes to secure wattle to ground contour and to prevent from dislodging in large/intense rain events

- 4 wooden stakes on down slope side; angle upslope
- •2 wooden stakes on upslope side; angle down slope

Place erosion control matting as splash pad

• ~ 1/3 upslope and under wattle with remaining 2/3 down slope

•Staple edges and interior at 1 ft spacing; staple interior of matting in offset rows



Temporary Rock Silt Check – Type B

- Small dam with center weir
- Constructed with Class B rip-rap
- Reduces runoff velocity
- Minimizes erosion of ditch
- Typically placed in ditch adjacent to haul road





















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Floodplain Stabilization					
Mountain Riparian Species					
TREES	SMALL TREES/SHRUBS	HERBACEOUS	GRAMINOIDS AND FERNS		
Acer negundo	Aesculus sylvatica	Arisaema triphyllum	Andropogon gerardii*		
box elder	painted buckeye	jack-in-the-pulpit	big bluestem		
Acer rubrum	Alnus serrulata	Asclepias incarnata	Arundinaria gigantea		
red maple	tag alder	swamp milkweed	river cane		
Acer saccharinum	Amelanchier arborea	Bidens frondosa	Athyrium filix-femina ssp. asplenioides		
silver maple	common serviceberry				
Betula lenta	Aronia arbutifolia (Photinia pyrifolia)				
cherry birch	red chokeberry	Line II I she			
Betula nigra	Aronia melanocarpa (Photinia melanocarpo	MAR AL			
river birch	black chokeberry		A Louis Section		
Carya cordiformis	Asimina triloba	and the second s			
bitternut hickory	common pawpaw				



Stone Sizes					
	Min. (inches)	Median (inches)	Max. (inches)		
Sediment Control Stone (washed, no fines) No.5/No. 57	~3/8	1⁄2-3/4	1.5		
Structure StoneClass A	2	4	6		
" "Class B	5	8	12		
" "Class I	5	10	17		
" "Class II	9	14	23		
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