

<p>National Pollutant Discharge Elimination System Manual Appendix A4 – Sediment Control</p> <p>Revision 2 August 2012</p> <p>Silt Fence</p> <p>Applications</p> <ul style="list-style-type: none"> ✓ Perimeter Control ✓ Slope Protection ✓ Sediment Trapping Channel Protection Temporary Stabilization Permanent Stabilization Waste Management Housekeeping Practices <p>Targeted Constituents</p> <ul style="list-style-type: none"> ✓ Sediment Nutrients Toxic Materials Oil and Grease ✓ Floatable Materials Construction Wastes <p>PRIMARY USE Silt fences are used as perimeter control downstream of disturbed areas, and for non-concentrated sheet-flow conditions.</p> <p>APPLICATIONS Silt fences provide an economical way to mitigate overflow, non-concentrated flows, and as a perimeter control device. Best with coarse to silty soil types and to control wind erosion on sandy soils.</p> <p>LIMITATIONS Minor ponding will likely occur at the upstream side of the silt fence, resulting in minor localized flooding. Fences that are constructed in swales or low areas subject to concentrated flow may be overtapped, resulting in failure of the fence. Silt fences are not effective for the control of concentrated flow (waterways with flows > 1 cfs) are not acceptable.</p> <p>Silt fence can interfere with construction operations; therefore, planning of access routes onto the site is critical.</p> <p>Silt fence can fail structurally under heavy storm flows, creating maintenance problems and reducing the effectiveness of the system.</p> <p>Maintenance Requirements Inspections should be made on a weekly basis, especially after large storm events. If the fabric becomes clogged, it should be cleaned or, if necessary, replaced.</p> <p>Sediment should be removed when it reaches approximately one-half the height of the fence.</p>	<p>National Pollutant Discharge Elimination System Manual Appendix A2 – Structural Controls</p> <p>Revision 0 November 2002</p> <p>Silt Fence (continued)</p> <p>PURPOSE & DESCRIPTION (440-926-2607 or visit website at www.filtrex.com). Construction shall be considered current if appropriate information is shown during time of bid or at time of application (current listing can be found at www.filtrex.com). Look for the Filtrex® Certified™ Seal.</p> <p>APPLICATION Filtrex® Sediment control is to be installed downstream of any disturbed area to control sediment and sediment removal and filtration of soluble pollutants from runoff. Sediment control is effective when installed perpendicular to sheet or low concentrated flow. Acceptable applications include:</p> <ul style="list-style-type: none"> • Site perimeters • Above and below disturbed areas subject to sheet runoff, infiltration and rill erosion • Above and below exposed and erodible slopes • Around sensitive areas located in a 'sump' • On compacted soils where trenching of silt fence is difficult or impossible • Around sensitive trees where trenching of silt fence is not beneficial for tree survival or may unnecessarily disturb established vegetation • On frozen ground where trenching of silt fence is impossible • On paved surfaces where trenching of silt fence is impossible <p>INSTALLATION 1. Sediment control used for perimeter control of sediment and soluble pollutants in storm runoff shall meet Filtrex® Soxx™ Material Specifications and use Certified Filtrex® FilterMedia™. 2. Contractor is required to be Filtrex® Certified™ as determined by Filtrex® International, LLC</p>	<p>Section 1: Erosion & Sediment Control – Construction Activities</p> <p>filtrex® LAND IMPROVEMENT SYSTEMS</p> <h2>SWPPP Cut Sheet: Filtrex® Sediment Control</h2> <p>Sediment & Perimeter Control Technology</p> <p>10. Filtrex® Sediment control is not to be used in perennial, ephemeral, or intermittent streams.</p> <p>See design drawing schematic for correct Filtrex® Sediment control installation (Figure 1.1).</p> <p>INSPECTION AND MAINTENANCE</p> <p>24 has of a runoff event or as designated by the regulating authority. Sediment control should be regularly inspected to make sure they maintain their shape and are producing adequate hydraulic flow-through. If ponding becomes excessive, additional Sediment control may be required to reduce effective slope length or sediment removal may be necessary. Sediment control shall be removed until area above has been permanently stabilized and construction activity has ceased.</p> <ol style="list-style-type: none"> 1. The Contractor shall maintain the Sediment control in a functional condition at all times and it shall be routinely inspected. 2. If the Sediment control has been damaged, it shall be repaired, or replaced if beyond repair. <p>6. For long-term sediment and pollution control applications, Sediment control should be placed at the time of installation to create a vegetative filtering system for prolonged and increased filtration of sediment and soluble pollutants (contained vegetative filter strip). The appropriate seed mix shall be determined by the Engineer.</p> <p>7. Maximum Slope Length Above Sediment Control in Feet (meters)*</p> <table border="1"> <thead> <tr> <th>Slope Percent</th> <th>8 in (200 mm) Sediment control</th> <th>12 in (300 mm) Sediment control</th> <th>18 in (450 mm) Sediment control</th> <th>24 in (600mm) Sediment control</th> <th>32 in (800mm) Sediment control</th> </tr> </thead> <tbody> <tr> <td>2 (or less)</td> <td>6.5 in (160 mm)**</td> <td>9.5 in (240 mm)**</td> <td>14.5 in (380 mm)**</td> <td>19 in (480 mm)**</td> <td>26 in (650 mm)**</td> </tr> <tr> <td>5</td> <td>600 (180)</td> <td>750 (225)</td> <td>1000 (300)</td> <td>1300 (400)</td> <td>1650 (500)</td> </tr> <tr> <td>10</td> <td>400 (120)</td> <td>500 (150)</td> <td>550 (165)</td> <td>650 (200)</td> <td>750 (225)</td> </tr> <tr> <td>15</td> <td>200 (60)</td> <td>250 (75)</td> <td>300 (90)</td> <td>400 (120)</td> <td>500 (150)</td> </tr> <tr> <td>20</td> <td>140 (40)</td> <td>170 (50)</td> <td>200 (60)</td> <td>325 (100)</td> <td>450 (140)</td> </tr> <tr> <td>25</td> <td>80 (24)</td> <td>100 (30)</td> <td>110 (33)</td> <td>200 (60)</td> <td>275 (85)</td> </tr> <tr> <td>30</td> <td>60 (18)</td> <td>75 (23)</td> <td>90 (27)</td> <td>130 (40)</td> <td>200 (60)</td> </tr> <tr> <td>35</td> <td>60 (18)</td> <td>75 (23)</td> <td>80 (24)</td> <td>115 (35)</td> <td>150 (45)</td> </tr> <tr> <td>40</td> <td>60 (18)</td> <td>75 (23)</td> <td>80 (24)</td> <td>100 (30)</td> <td>125 (38)</td> </tr> <tr> <td>45</td> <td>40 (12)</td> <td>50 (15)</td> <td>60 (18)</td> <td>80 (24)</td> <td>100 (30)</td> </tr> <tr> <td>50</td> <td>40 (12)</td> <td>50 (15)</td> <td>55 (17)</td> <td>65 (20)</td> <td>75 (23)</td> </tr> </tbody> </table> <p>* Based on a failure point of 30 in (93 cm) super silt fence (erev reinforced) at 1000 ft (303 m) of slope, watershed width equivalent to receiving length of sediment control device, 1 in/24 hr (25 mm/24 hr) rain event. ** Effective height of Sediment control after installation and with constant head from runoff as determined by Ohio State University.</p>	Slope Percent	8 in (200 mm) Sediment control	12 in (300 mm) Sediment control	18 in (450 mm) Sediment control	24 in (600mm) Sediment control	32 in (800mm) Sediment control	2 (or less)	6.5 in (160 mm)**	9.5 in (240 mm)**	14.5 in (380 mm)**	19 in (480 mm)**	26 in (650 mm)**	5	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)	10	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)	15	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)	20	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)	25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)	30	60 (18)	75 (23)	90 (27)	130 (40)	200 (60)	35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)	40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)	45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)	50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)
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<p>01C1R.DOC</p> <p>A4-5</p> <p>SWPPP Cut Sheet - 1.1. Filtrex® Sediment Control</p> <p>Concrete Waste Management</p> <p>DESCRIPTION Concrete waste management prevents or reduces the discharge of pollutants to storm water by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors.</p> <p>APPLICATIONS The following low-cost measures will help reduce storm water pollution from concrete wastes:</p> <ul style="list-style-type: none"> • Store dry and wet materials under cover, away from drainage areas. • Avoid mixing excess amounts of fresh concrete or cement onsite. • Perform washout of concrete trucks offsite or in designated areas only. • Do not wash out concrete trucks into storm drains, open ditches, streets, or streams. • Do not allow excess concrete to be dumped onsite except in designated areas. • For onsite washout: <ul style="list-style-type: none"> • Locate washout area at least 50 feet from storm drains, open ditches, or water bodies. Prevent runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste. • Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed of properly. • When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water to a berm or level area. • Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stock pile, or dispose in the trash. • Train employees and subcontractors in proper concrete waste management. <p>LIMITATIONS Offsite washout of concrete wastes may not always be possible.</p> <p>MAINTENANCE REQUIREMENTS Inspect subcontractors to ensure that concrete wastes are being properly managed.</p> <p>If using a temporary pit, dispose of hardened concrete on a regular basis.</p>	<p>National Pollutant Discharge Elimination System Manual Appendix A6 – Good Housekeeping/Materials Management</p> <p>Revision 2 August 2012</p> <p>Concrete Waste Management</p> <p>Applications</p> <ul style="list-style-type: none"> Perimeter Control Slope Protection Sediment Trapping Channel Protection Temporary Stabilization Permanent Stabilization ✓ Waste Management ✓ Housekeeping Practices <p>Targeted Constituents</p> <ul style="list-style-type: none"> Sediment Nutrients Toxic Materials Oil and Grease Floatable Materials ✓ Construction Wastes <p>Impact</p> <ul style="list-style-type: none"> Significant ✓ Medium Low Unknown or Questionable
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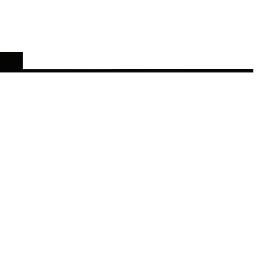
<p>let nature do it."</p> <p>Construction Activities Section 1: Erosion & Sediment Control 325</p> <p>A2-44</p> <p>FILTREXX® SEDIMENT CONTROL</p> <p>SECTION NTS</p> <p>PLAN NTS</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS 2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS 3. 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PO BOX 400 LOS LUNAS NM 87031 388-712-5102



BUILDING A1 & A2
SAWMILL VILLAGE
1771 BELLAMAH NW
ALBUQUERQUE, NM



DRAWN BY SLK
REVIEWED BY MDT
DATE 11-14-17
PROJECT NO.
DRAWING NAME

EROSION AND
SEDIMENT CONTROL
DETAILS AND NOTES

SHEET NO.

ESC 103

OF