

# POLLUTION PREVENTION PLAN (P2 PLAN)

## 2.0 Authorized Non-Stormwater Discharges

Type of Authorized Non-Stormwater Discharge	Likely Present at Your Project Site?	
External buildings wash down	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Uncontaminated foundation or footing drains	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Uncontaminated excavation dewatering	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Landscape irrigation	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Others (describe)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

## 5.0 Potential Sources of Pollution & Pollution Prevention Practices

Pollutant-Generating Activity	Likely Present at your Project Site?	Pollutants										Pollution Prevention Practice	Responsible Party
		Sediment	Nutrients	Heavy Metals	pH (acids and bases)	Pesticides & Herbicides	Oil & Grease	Bacteria & Viruses	Trash, Debris, Solids	Other Toxic Chemicals			
Clearing, grading, excavating, and un-stabilized areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X										(1)	Construction Activity Operator (See Cover Page of this SWPPP)
Paving operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X					X	X				(2)	
Concrete washout and cement waste	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			X	X						X	(3)	
Structure construction, stucco, painting, and cleaning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			X	X					X	X	(4)	
Dewatering operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X							X		(5)	
Material delivery and storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X	X	X	X	X	X	X	X	X	(6)	
Material use during building process	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X	X	X	X	X	X	X	X	X	(7)	
Solid waste disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									X	X	(8)	
Sanitary waste	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			X	X					X		(9)	
Landscape operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X	X			X			X	X		(10)	
Others (describe)	<input type="checkbox"/> Yes <input type="checkbox"/> No	X	X	X	X	X	X	X	X	X	X	(11)	

### Pollution Prevention Practices:

- Clearing, grading, excavating and un-stabilized areas** – Utilize erosion and sediment controls to prevent sediment laden or turbid runoff from leaving the construction site. Dispose of clearing debris at acceptable disposal sites. Apply permanent or temporary stabilization, sodding and/or mulching to denuded areas in accordance with the erosion and sediment control specifications and the general VPDES permit for discharges of stormwater from construction activities.
- Paving operations** – Cover storm drain inlets during paving operations and utilize pollution prevention materials such as drip pans and absorbent/dry for all paving machines to limit leaks and spills of paving materials and fluids.
- Concrete washout and cement waste** – Direct concrete wash water into a leak-proof container or leak-proof settling basin that is designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes.
- Structure construction, stucco, painting and cleaning** – Enclose, cover or berm building material storage areas if susceptible to contaminated stormwater runoff. Conduct painting operations consistent with local air quality and OSHA regulations. Mix paint indoors, in a contained area or in a flat unupared area. Prevent the discharge of soaps, solvents, detergents and wash water from construction materials, including the clean-up of stucco paint, form release oils and curing compounds.
- Dewatering operations** – Construction site dewatering from building footings or other sources may not be discharged without treatment. Sediment laden or turbid water shall be filtered, settled or similarly treated prior to discharge.
- Material delivery and storage** – Designate areas of the construction site for material delivery and storage. Place near construction entrances, away from waterways, and avoid transport near drainage paths or waterways.
- Material use during building process** – Use materials only where and when needed to complete the construction activity. Follow manufacturer's instructions regarding uses, protective equipment, ventilation, flammability and mixing of chemicals.
- Solid waste disposal** – Designate a waste collection area on the construction site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a waterway. Ensure that containers have lids so they can be covered before periods of rain, and keep containers in a covered area whenever possible. Schedule waste collection to prevent the containers from overflowing.
- Sanitary waste** – Prevent the discharge of sanitary waste by providing convenient and well-maintained portable sanitary facilities. Locate sanitary facilities in a convenient location away from waterways.
- Landscape operations** – Maintain as much existing vegetation as practicable. Apply permanent or temporary stabilization, sodding and/or mulching to denuded areas in accordance with the erosion and sediment control specifications and the general VPDES permit for discharges of stormwater from construction activities. Apply nutrients in accordance with manufacturer's recommendations and not during rainfall events.
- Others** – If applicable, describe your Pollution Prevention Practices.

## 7.0 Spill Prevention & Response

Most spills can be cleaned up following manufacturer specifications. Absorbent/dry, sealable containers, plastic bags, and shovel/brooms are suggested minimum spill response items that should be available at this location.

- 1<sup>st</sup> Priority: Protect all people
- 2<sup>nd</sup> Priority: Protect equipment and property
- 3<sup>rd</sup> Priority: Protect the environment

- Check for hazards (flammable material, noxious fumes, cause of spill) – If flammable liquid, turn off engines and nearby electrical equipment. If serious hazards are present leave the area and call 911. **LARGE SPILLS ARE LIKELY TO PRESENT A HAZARD.**
- Make sure the spill area is safe to enter and that it does not pose an immediate threat to health or safety of any person.
- Stop the spill source.
- Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers.
- If possible, stop spill from entering drains (use absorbent or other material).
- Stop spill from spreading (use absorbent or other material).
- If spilled material has entered a storm sewer, contact locality's storm water department.
- Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials and do not flush area with water.
- Properly dispose of cleaning materials and used absorbent material according to manufacturer specifications.

### Emergency Contacts:

Normal Working Hours	
DEQ Northern Regional Office	703-583-3800
Nights, Holidays & Weekends	
VA Dept. of Emergency Management 24 Hour Reporting Service	804-674-2400
Local Contacts	
Arlington County Fire & Police	703-558-2222
DES Water, Sewer, Streets 24-Hour Emergency	703-229-6555
Washington Gas Emergency	703-750-1400

## NON-STORMWATER DISCHARGES AS REQUIRED BY ARLINGTON COUNTY

ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MS4 PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS: WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.

APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S MS4 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK. PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

US Filter Bags are designed to collect silt and sediment from pumped water and are ideal for construction site dewatering applications. To begin dewatering, simply cut an opening into the bag, insert the discharge hose and secure the connection with a clamp, tie or tape. US Filter Bags are made from a nonwoven, needlepunched, polypropylene geotextile that meets the following M.A.R.V. values except where noted:

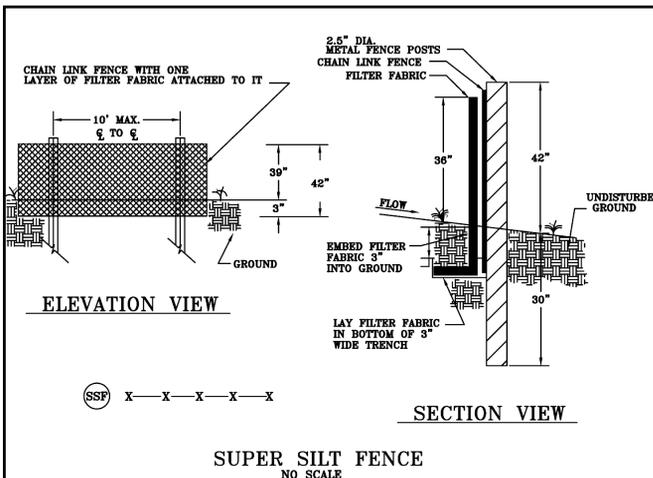


THIS PRODUCT SHALL SERVE AS THE APPROVED DEWATERING/FILTERING DEVICE AS LISTED IN NOTE ES-8 UNDER GENERAL EROSION & SEDIMENT CONTROL NOTES TO BE USED IF NECESSARY.

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight - Typical	ASTM D-5261	8 oz/sy	271 g/sm
Tensile Strength	ASTM D-4632	205 lbs	912 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst	ASTM D-3786	350 psi	2,413 kPa
Puncture Strength	ASTM D-4833	120 lbs	534 N
CBR Puncture	ASTM D-6241	535 lbs	2,381 N
Trapezoidal Tear	ASTM D-4533	85 lbs	378 N
Apparent Opening Size	ASTM D-4751	80 US Sieve	0.180 mm
Permittivity	ASTM D-4491	1.35 Sec-1	1.35 Sec-1
Water Flow Rate	ASTM D-4491	90 g/min/sf	3,657 l/min/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
15' x 10'	17 sqs	20 lbs
15' x 15'	25 sqs	30 lbs

The above information is to the best of our knowledge accurate, but it is not intended to be considered a guarantee. Any implied warranty for a particular use or purpose is excluded. If the product does not meet the above properties, and notice is given to US Fabrics, Inc., the product will be replaced or refunded (1/2011).

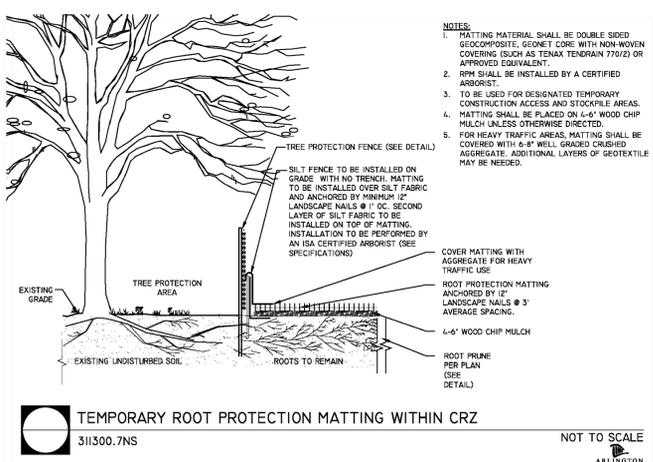


### FENCING

Chain link fence shall be 39" above grade with 3" embedded for a total fabric width of 42". The post shall be 42" above grade with 30" placed below grade (without concrete) for a total length of 72".

### NOTES

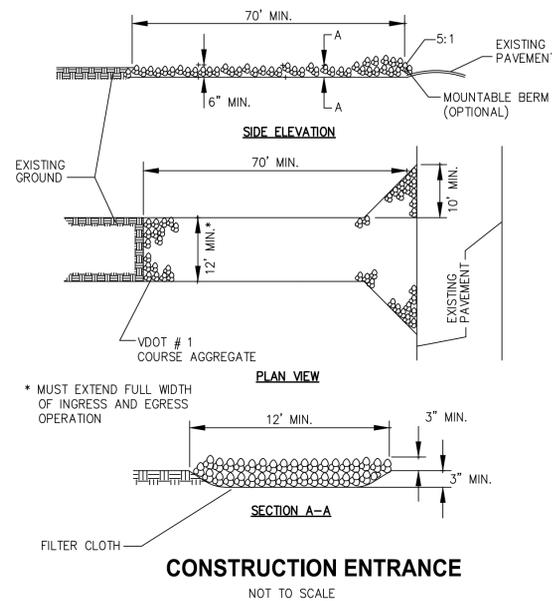
- Chain link fence shall be fastened securely to fence posts with wire ties.
- Filter fabric shall be fastened securely to chain link fence with ties spaced horizontally 24" at the top and midsection.
- Physical properties of the filter fabric shall conform to the latest edition of THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
- When two sections of filter fabric adjoin each other, they shall be overlapped by 6".
- Maintenance shall be performed as needed and material shall be removed when sediment build-up reaches 50% of the height of the super silt fence.



TEMPORARY ROOT PROTECTION MATTING WITHIN CRZ

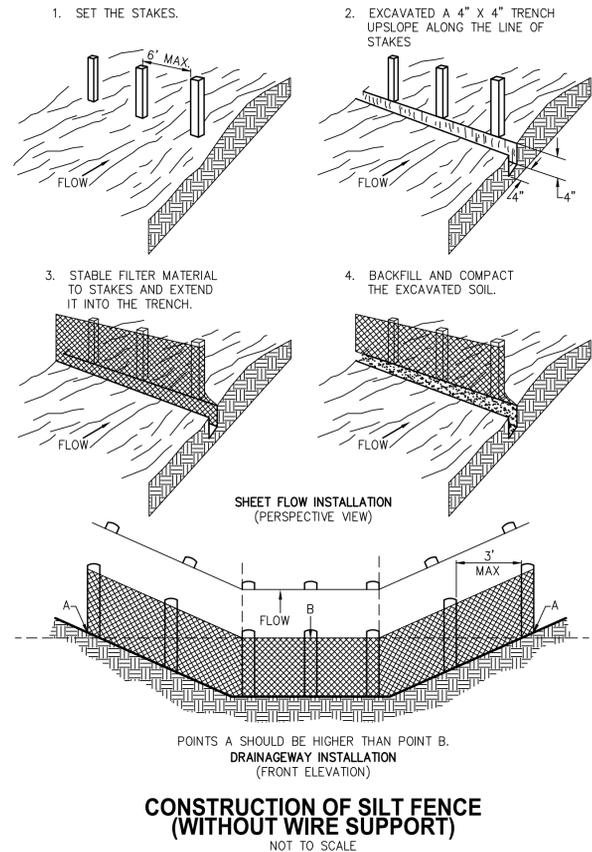
311300.7NS

NOT TO SCALE



\* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

NOTE: THE CONSTRUCTION ENTRANCE WILL NOT MEET THE 12" WIDTH AND 70" LENGTH REQUIREMENT DUE TO THE LOCATION OF THE EXISTING AND PROPOSED BUILDINGS



CONSTRUCTION OF SILT FENCE (WITHOUT WIRE SUPPORT) NOT TO SCALE

TABLE 3.31-B (Revised June 2003) TEMPORARY SEEDING SPECIFICATIONS QUICK REFERENCE FOR ALL REGIONS		
APPLICATION DATES	SEED SPECIES	APPLICATION RATES
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 - 100 (lbs/acre)
Feb. 16 - Apr. 30	Annual Ryegrass (lolium multi-florum)	60 - 100 (lbs/acre)
May 1 - Aug. 31	German Millet	50 (lbs/acre)

FERTILIZER & LIME	
<ul style="list-style-type: none"> <li>Apply 10-10-10 fertilizer at a rate of 450 lbs. / acre (or 10 lbs. / 1,000 sq. ft.)</li> <li>Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)</li> </ul>	<p>NOTE:</p> <ol style="list-style-type: none"> <li>A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.</li> <li>Incorporate the lime and fertilizer into the top 4 - 6 inches of the soil by disking or by other means.</li> <li>When applying Slowly Available Nitrogen, use rates available in Erosion &amp; Sediment Control Technical Bulletin #4, 2003 Nutrient Management for Development Sites at <a href="http://www.dcr.state.va.us/sw/s&amp;h.html#pubs">http://www.dcr.state.va.us/sw/s&amp;h.html#pubs</a></li> </ol>

TABLE 3.32-D (Revised June 2003) PERMANENT SEEDING SPECIFICATIONS FOR PIEDMONT AREA		
LAND USE	SEED <sup>1</sup> SPECIES	APPLICATION PER ACRE
Minimum Care Lawn (Commercial or Residential)	Tall Fescue <sup>3</sup>	95-100%
	Perennial Ryegrass	0-5%
	Kentucky Bluegrass <sup>3</sup>	0-5%
		TOTAL: 175-200 lbs.
High-Maintenance Lawn	Tall Fescue <sup>1</sup>	TOTAL: 200-250 lbs.
General Slope (3:1 or less)	Tall Fescue <sup>1</sup>	128 lbs.
	Red Top Grass or Creeping Red Fescue	2 lbs.
	Seasonal Nurse Crop <sup>2</sup>	20 lbs.
		TOTAL: 150 lbs.
Low-Maintenance Slope (Steeper than 3:1)	Tall Fescue <sup>1</sup>	108 lbs.
	Red Top Grass or Creeping Red Fescue	2 lbs.
	Seasonal Nurse Crop <sup>2</sup>	20 lbs.
	Crownvetch <sup>3</sup>	20 lbs.
		TOTAL: 150 lbs.

1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (Vicia) recommended turfgrasses variety list. Quality seed will bear a label indicating that they are approved by Vicia. A current turfgrass variety list is available at the local County Extension office or through Vicia at 804-746-4884 or at <http://sudan.cses.vt.edu/html/Turf/turfpublications/publications2.html>

2 - Use seasonal nurse crop in accordance with seeding dates as stated below:

February 16 <sup>th</sup> - April	Annual Rye
May 1 <sup>st</sup> - August 15 <sup>th</sup>	Foxtail Millet
August 16 <sup>th</sup> - October	Annual Rye
November - February 15 <sup>th</sup>	Winter Rye

3 - Substitute Sericea lespedeza for Crownvetch east of Farmville, VA (May through September use hulled seed, all other periods, use unhulled Sericea). If Flatgrass is used, increase rate to 30 lbs./acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase to 30-40.

FERTILIZER & LIME	
<ul style="list-style-type: none"> <li>Apply 10-20-10 fertilizer at a rate of 500 lbs. / acre (or 12 lbs. / 1,000 sq. ft.)</li> <li>Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)</li> </ul>	<p>NOTE:</p> <ul style="list-style-type: none"> <li>A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.</li> <li>Incorporate the lime and fertilizer into the top 4 - 6 inches of the soil by disking or by other means.</li> </ul> <ol style="list-style-type: none"> <li>When applying Slowly Available Nitrogen, use rates available in Erosion &amp; Sediment Control Technical Bulletin #4, 2003 Nutrient Management for Development Sites at <a href="http://www.dcr.state.va.us/sw/s&amp;h.html#pubs">http://www.dcr.state.va.us/sw/s&amp;h.html#pubs</a></li> </ol>



## EROSION & SEDIMENT CONTROL DETAILS & P2 PLAN



Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
[www.WLPINC.com](http://www.WLPINC.com)

## ARLINGTON, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES

4219/4221 LORCOM LANE

THE PROPERTY OF R.A. PHILLIPS

GRADING PLAN

4219/4221 LORCOM LANE, ARLINGTON, VIRGINIA 22207

SCALE: NONE	DRAWN CR	CHECKED TP/BKW
SUBMITTED DATE	03/05/2019	
	05/07/2019	
	06/24/2019	
	07/17/2019	
		APPROVED DATE
		DIRECTOR OF ENVIRONMENTAL SERVICES
		SHEET: C-0603