#### Erosion & Sediment Control Technical Bulletin No. 4 **Nutrient Management for Development Sites**

C. When applying maintenance fertilizer on established sod.

	Type of Grass				
Month	Tall Fescue Perennial Rye	Kentucky Bluegrass	Bermudagrass	Zoysiagrass	
September	1	1	0	0	
October	1	1	0	0	
Early November	0	0	0	0	
April	0	0	0	0	
May	0-0.5	0-0.05	1	1	
June	0	0	1	0	
July/August	0	0	0	1	
Yearly Lbs. N/1000 sf	2.5	2.5	2	2	
Pounds of nitrogen p	oer 1,000 sq. ft. i			50 percent WII	
Pounds of nitrogen p	per 1,000 sq. ft. in Tall Fescue Perennial Rye		er is more than to of Grass Bermudagrass	50 percent WII  Zoysiagrass	
ACTION AND	Tall Fescue	<b>Type</b> Kentucky	of Grass		
Month	Tall Fescue Perennial Rye	<b>Type</b> Kentucky Bluegrass	e of Grass Bermudagrass	Zoysiagrass	
Month August 15	Tall Fescue Perennial Rye 1.5	Type Kentucky Bluegrass 1.5	e of Grass Bermudagrass	Zoysiagrass 0	
Month  August 15 October 1	Tall Fescue Perennial Rye 1.5 1.5	Type Kentucky Bluegrass 1.5 1.5	Bermudagrass 0 0	Zoysiagrass 0 0	
Month  August 15 October 1 April	Tall Fescue Perennial Rye 1.5 1.5	Kentucky Bluegrass 1.5 1.5	Bermudagrass 0 0 1.5	Zoysiagrass 0 0 0 1.5	

### FERTILIZER SPECIFICATIONS AND RATES FOR MANAGEMENT

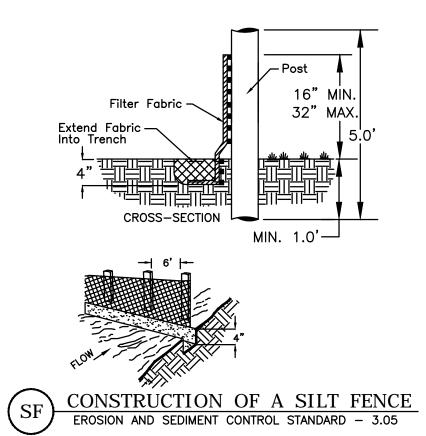
Tall Fescue   Perennial Ryegrass   Perennial Ryeg	Minimum Care Lawn (Commercial or Residential)	Tall Fescue <sup>1</sup> Perennial Ryegrass <sup>2</sup> Kentucky Bluegrass <sup>1</sup> Minimum of three (3) up to five (5) varieties	90-1 0-
Minimum Care Lawn (Commercial or Residential)  Perennial Ryegrass² Kentucky Bluegrass¹  Minimum of three (3) up to five (5) varieties of Kentucky Bluegrass from approved list for use in Virginia¹  Tall Fescue¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³  TOTAL: 125  Low-Maintenance Slope (Steeper than 3:1)  Tall Fescue¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³  TOTAL: 150  Total: 150  Total: 150  Total: 150  Total: 150  Total: 150  Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³ Crownvetch⁴  Total: 150  1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgvariety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providic cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15¹h  March, April - May 15¹h  Annual Rye May 16¹h - August 15¹h  Annual Rye November - February  Winter Rye  4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase	(Commercial or Residential)	Perennial Ryegrass <sup>2</sup> Kentucky Bluegrass <sup>1</sup> Minimum of three (3) up to five (5) varieties	0-
Commercial or Residential)   Kentucky Bluegrass¹   On-TOTAL: 200-250   High-Maintenance Lawn	(Commercial or Residential)	Kentucky Bluegrass <sup>1</sup> Minimum of three (3) up to five (5) varieties	
Minimum of three (3) up to five (5) varieties of Kentucky Bluegrass from approved list for use in Virginia¹  Tall Fescue¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³  TOTAL: 150  Total		Minimum of three (3) up to five (5) varieties	0-
Minimum of three (3) up to five (5) varieties of Kentucky Bluegrass from approved list for use in Virginia¹   Tall Fescue¹   Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³   TOTAL: 150	High-Maintenance Lawn		
High-Maintenance Lawn of Kentucky Bluegrass from approved list for use in Virginia 1  Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3  Total: 150  Low-Maintenance Slope (Steeper than 3:1)  Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3  Total: 150  Tall Fescue 2 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 Crownvetch 4  Total: 150  1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfg variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providi cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> Annual Rye May 16 <sup>th</sup> - August 15 <sup>th</sup> Foxtail Millet August 16 <sup>th</sup> - September, October Annual Rye November - February Winter Rye 4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase	High-Maintenance Lawn		TOTAL: 200-250
for use in Virginia 1  Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 TOTAL: 150  Low-Maintenance Slope (Steeper than 3:1)  Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 TOTAL: 150  Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 Crownvetch 4 Seasonal Nurse Crop 3 Crownvetch 4 TOTAL: 150  1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgr variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providi cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15th	High-Maintenance Lawn	of Kentucky Bluegrass from approved list	
Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 TOTAL: 150  Low-Maintenance Slope (Steeper than 3:1) Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 TOTAL: 150  Tall Fescue 1 Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop 3 Crownvetch 4 TOTAL: 150  1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgraviety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providic cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> Annual Rye May 16 <sup>th</sup> - August 15 <sup>th</sup> Annual Rye November - February  Winter Rye 4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase			TOTAL: 125
Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>3</sup> TOTAL: 150  Low-Maintenance Slope (Steeper than 3:1)  Tall Fescue <sup>1</sup> Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>3</sup> Crownvetch <sup>4</sup> 1- When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfg variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providi cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> August 16 <sup>th</sup> - August 15 <sup>th</sup> Foxtail Millet  August 16 <sup>th</sup> - September, October  November - February  Vinter Rye  4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase			
Seasonal Nurse Crop <sup>3</sup> Tall Fescue <sup>1</sup> Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>3</sup> 108 Seasonal Nurse Crop <sup>3</sup> Tall Fescue <sup>1</sup> Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>3</sup> Crownvetch <sup>4</sup> 1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgr variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/furf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providicover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> May 16 <sup>th</sup> - August 15 <sup>th</sup> Foxtail Millet August 16 <sup>th</sup> - September, October November - February November - February Winter Rye 4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase		A A A A A A A A A A A A A A A A A A A	
Seasonal Nurse Crop³  TOTAL: 150  Low-Maintenance Slope (Steeper than 3:1)  Tall Fescue¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³ Crownvetch⁴ Seasonal Nurse Crop³ Crownvetch⁴ 1- When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgr variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/furf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providi cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15th Annual Rye  May 16th - August 15th Foxtail Millet  August 16th - September, October Annual Rye  November - February Winter Rye  4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping  Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase	General Slope (3:1 or less)		
Tall Fescue¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop³ Crownvetch⁴ Seasonal Nurse Crop¹ Crownvetch⁴ Seasonal Nurse Crop¹ Crownvetch⁴ Seasonal Nurse Crop¹ Crownvetch⁴ Seasonal Nurse Crop³ Crownvetch⁴ Seasonal Nurse Crop Improvement Association (VCIA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgravariety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/furf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providing cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15¹¹  May 16¹¹¹ - August 15¹¹  Annual Rye May 16¹¹¹ - September, October  Annual Rye November - February  Winter Rye 4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase		Seasonal Nurse Crop <sup>3</sup>	
Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>3</sup> Crownvetch <sup>4</sup> 1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrariety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providic cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> May 16 <sup>th</sup> - August 15 <sup>th</sup> Annual Rye May 16 <sup>th</sup> - September, October November - February Winter Rye 4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase		4	
Seasonal Nurse Crop <sup>3</sup> Crownvetch <sup>4</sup> Seasonal Nurse Crop <sup>3</sup> Crownvetch <sup>4</sup> 1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgravariety list is available at the local County Extension office or through VCIA at 804-746-4884 or at <a href="http://sudan.cses.vt.edu/htm//Turf/publications/publications2.html">http://sudan.cses.vt.edu/htm//Turf/publications/publications2.html</a> 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providic cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> Annual Rye  May 16 <sup>th</sup> - August 15 <sup>th</sup> August 15 <sup>th</sup> August 15 <sup>th</sup> Foxtail Millet  August 16 <sup>th</sup> - September, October  November - February  Winter Rye  4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase		1,511 ( )555-055	
Seasonal Nurse Crop <sup>3</sup> Crownvetch <sup>4</sup> 1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrasing list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.cses.vt.edu/html/Turf/furf/publications/publications2.html  2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providicover and erosion resistance for seedbed.  3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> May 16 <sup>th</sup> - August 15 <sup>th</sup> Foxtail Millet August 16 <sup>th</sup> - September, October November - February Winter Rye  4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase	Low-Maintenance Slope		
Crownvetch  1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrariety list is available at the local County Extension office or through VCIA at 804-746-4884 or at <a href="http://sudan.cses.vt.edu/html/Turf/furf/publications/publications2.html">http://sudan.cses.vt.edu/html/Turf/furf/publications/publications2.html</a> 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providi cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup> May 16 <sup>th</sup> - August 15 <sup>th</sup> Foxtail Millet  August 16 <sup>th</sup> - September, October  November - February  Winter Rye 4 - All legume seed must be properly inoculated. If Flatpea is used, increase to 30 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase			
1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommende turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgravariety list is available at the local County Extension office or through VCIA at 804-746-4884 or at <a href="http://sudan.cses.vt.edu/htm//Turf/turf/publications/publications2.html">http://sudan.cses.vt.edu/htm//Turf/turf/publications/publications2.html</a> 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providing cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup>		Crownvetch⁴	
turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrast variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at <a href="http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html">http://sudan.cses.vt.edu/html/Turf/turf/publications/publications2.html</a> 2 - Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providing cover and erosion resistance for seedbed. 3 - Use seasonal nurse crop in accordance with seeding dates as stated below:  March, April - May 15 <sup>th</sup>			
	variety list is available at the loc http://sudan.cses.vt.edu/html/Tu 2 - Perennial Ryegrass will gerr cover and erosion resistance fo 3 - Use seasonal nurse crop in a 4 - All legume seed must be pro Lovegrass is used, include in ar	al County Extension office or through VCIA at 8i urf/turf/publications/publications2.html ninate faster and at lower soil temperatures thar r seedbed. accordance with seeding dates as stated below: March, April - May 15 <sup>th</sup>	04-746-4884 or at  Tall Fescues, thereby providing  Annual Rye Foxtail Millet  Annual Rye Winter Rye 30 Ibs/acre. If Weeping

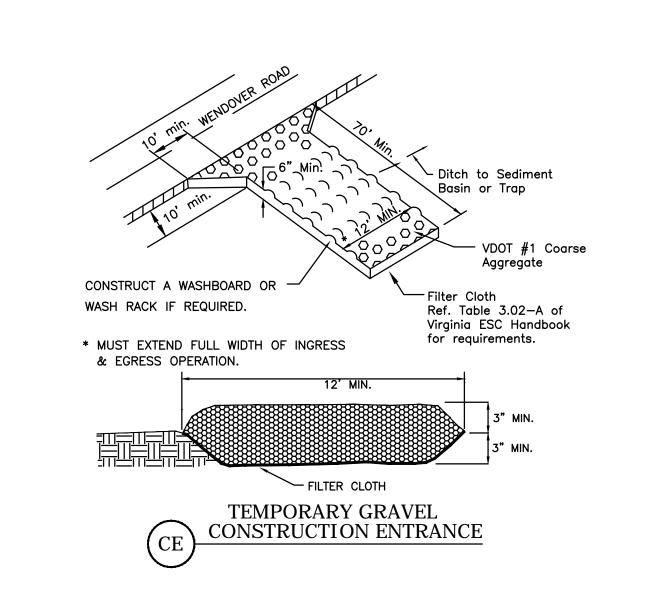
PERMANENT SEEDING

- When applying Slowly Available Nitrogen, use rates available in <u>Erosion & Sediment Control Technical Bulletin</u> # 4, 2003 Nutrient Management for Development Sites at http://www.dcr.state.va.us/sw/e&s.htm#pubs

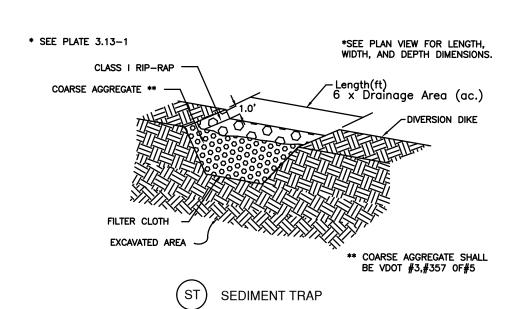
#### **TABLE 3.31-B** (Revised June 2003) TEMPORARY SEEDING SPECIFICATIONS QUICK REFERENCE FOR ALL REGIONS SEED APPLICATION DATES SPECIES APPLICATION RATES 50/50 Mix of Annual Ryegrass (lolium multi-lorum) & Cereal (Winter) Rye (Secale cereale) 50 -100 (lbs/acre) Feb. 16 - Apr. 30 Annual Ryegrass (Iolium multi-florum) 60 - 100 (lbs/acre) May 1 - Aug. 31 German Millet 50 (lbs/acre) FERTILIZER & LIME Apply 10-10-10 fertilizer at a rate of 450 lbs. / acre (or 10 lbs. / 1,000 sq. ft.) Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.) 1 - A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site. - Incorporate the lime and fertilizer into the top 4 – 6 inches of the soil by disking or by other means. - When applying Slowly Available Nitrogen, use rates available in Erosion & Sediment Control Technical Bulletin # 4, 2003 Nutrient Management for Development Sites at http://www.dcr.state.va.us/sw/e&s.htm#pubs

TEMPORARY SEEDING **SPECIFICATIONS** 



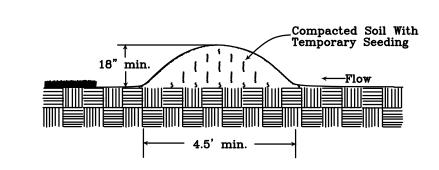


## SEDIMENT TRAP DETAIL

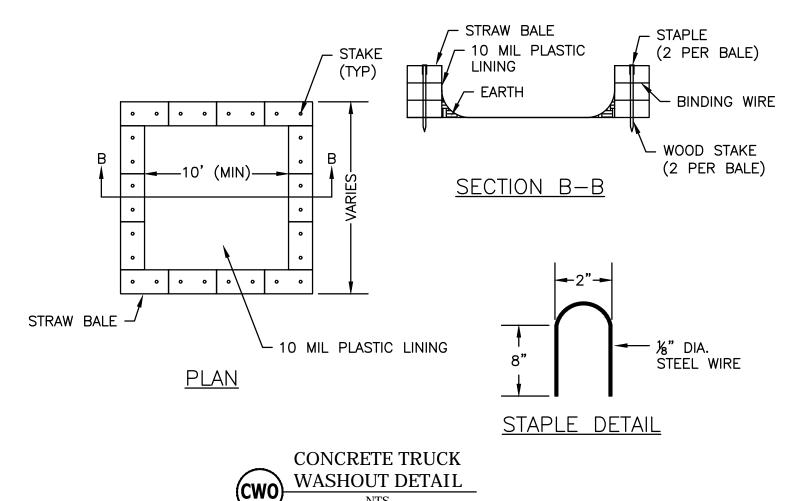


# SEDIMENT TRAP SUMMARY TABLE

DRAINAGE AREA ID	ST-1
TOTAL DRAINAGE AREA SIZE	1.83 AC
BOTTOM LENGTH	112 FT
BOTTOM WIDTH	7 FT
DEPTH	4 FT
BERM HEIGHT	1 FT
WEIR LENGTH	11 FT
WEIR HEIGHT	1.5 FT
STORAGE REQUIRED (CY)	123 WET - 123 DRY
STORAGE PROVIDED (CY)	134 WET - 136 DRY
	_



TEMPORARY DIVERSION DIKE



**GENERAL NOTES:** 

- 1. ACTUAL SIZE TO BE DETERMINED IN FIELD. A MINIMUM OF 10' WIDE BY 10' LONG AND SIZED TO CONTAIN ALL LIQUID AND SOLID WASTE. A MINIMUM OF 12" FREEBOARD SHALL BE INCLUDED.
- 2. THE CONCRETE WASHOUT SHALL NOT BE PLACED WITHIN 50' OF STORM DRAINS.
- EXCESS AND SLUMP TEST SOLIDS SHALL BE PLACED ON PLASTIC LINER UNTIL HARDENED. CONTRACTOR MAY CONSIDER INSTALLING WIRE OR REBAR HOOD FOR LATER PICKUP
- REMOVAL. 4. INSPECTORS SHALL USE THE WASHOUT FACILITY OR PLASTIC FOR CLEANING OF THEIR TOOLS.

MAINTENANCE NOTES:

- 1. CHECK ALL CONCRETE WASHOUT FACILITIES DAILY TO DETERMINE IF THEY HAVE BEEN FILLED TO 75% CAPACITY. THE FACILITY SHALL BE CLEANED OUT OR CHANGED WHEN 75%
- 2. INSPECT LINERS DAILY TO ENSURE THAT LINERS ARE INTACT AND SIDEWALLS HAVE NOT BEEN DAMAGED BY CONSTRUCTION ACTIVITIES. LINERS SHALL BE REPLACED IF THERE ARE HOLES OR TEARS OBSERVED.
- 3. CONCRETE WASTE SHALL BE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN. THE HARDENED CONCRETE SHALL BE BROKEN UP AND DISPOSED OF OFFSITE PER APPLICABLE VA. DEQ RULES AND REGULATIONS. LIQUIDS SHALL NOT BE DISCHARGED DIRECTLY INTO WATERWAYS, STORM
- DRAINS, SWALES, OR DIRECTLY ONTO THE GROUND. 4. REMOVE LIQUIDS OR COVER STRUCTURE BEFORE PREDICTED STORMS TO PREVENT OVERFLOWS.
- 5. INSTALL A NEW PLASTIC LINER AFTER EVERY CLEANING.

REFLECTING TOMORROW

www.balzer.cc

**New River Valley** Staunton Harrisonburg

SIDENTIAL LAND DEVELOPMENT ENGINEERING SITE DEVELOPMENT ENGINEERING LAND USE PLANNING & ZONING LANDSCAPE ARCHITECTURE LAND SURVEYING ARCHITECTURE STRUCTURAL ENGINEERING TRANSPORTATION ENGINEERING ENVIRONMENTAL & SOIL SCIENCE

Balzer and Associates, Inc.

WETLAND DELINEATIONS & STREAM EVALUATIONS

1208 Corporate Circle Roanoke, VA 24018 540-772-9580 FAX 540-772-8050

OFFICE DEVELOPMEN WENDOVER ROAD DETAILS SC

WENDOVE DRAWN BY DESIGNED BY CPB CHECKED BY BTC 9/27/2017

AS NOTED **REVISIONS:** 

10/31/2017 12/5/2017 1/10/2018