Table 60-6 Soil Amendment Rates

Soil Amendment Material		Application Rate (Lb per Acre)
Fertilizer	Nitrogen (N)	30 [1]
	Phosphate (P_2O_5)	90 [1]
	Potash (K_2O)	90 [1]
Lime		1,000 [2]

[1]Increase the rate by 25% for slopes steeper than 5:1.
[2]Rate is in effective neutralizing material (ENM) units.

Table 60-9 Mulching Materials

Material	Rate	Requirements	Installation/Uses
Straw	1.5-2.5 tons/ac (3-4 tons, if roller punched)	Dry, unchopped, unweathered; free of weed seeds & rot.	Spread by machine 1.5-2.5 inches deep; must be tacked or tied down.
Compost Blanket	1" thick	Double the application rate for embankments	Follow manufacturer's application method.
Wood fiber, wood cellulose, paper	1-2 tons/ac	Double the application rate in critical areas	Use with power mulcher or hydroseeder; may be used to tack straw on steep slopes. Cannot be used in hot dry weather.

Table 60-7 Temporary Fall Seeding

Plant Species	Rate [1] (lb/acre)	Seeding Times
Side-Oats	65	8/16 – 9/30
Winter Rye	50	8/01 – 10/15
Winter Wheat	60	8/01 – 10/15
Orchard Grass	120	8/01 – 10/15
Perennial Ryegrass	80	8/01 – 10/15
Tall fescue, Smooth Brome	80	8/01 – 10/15
K-31 Fescue	120	9/01 – 11/15
Ladino Clover	2 [2]	8/15 – 9/15
Crimson Clover	6 [2]	8/15 – 9/15
Orchard Grass and Oats or Rye	15 [2] 40 [2]	8/15 – 9/15

[1]If using aerial seeding or other broadcast method to apply seed without rolling or culti-packing, increase seeding rates by 50 percent.

[2]Pure live seed (PLS)

Table 60-8 Temporary Spring Seeding

Plant Species	Rate [1] (lb/acre)	Seeding Dates
Winter Rye	50	3/15 – 5/31
Spring Oats	65	3/15 – 5/31
Annual Ryegrass	4 [2]	3/15 – 6/15
Sudangrass	16 [2]	4/15 – 6/15
K-31 Fescue	30 [2]	3/15 – 5/31
Red Clover & Oats	2 [2] 30 [2]	3/15 – 5/31

[1]If using aerial seeding or other broadcast method to apply seed without rolling or culti-packing, increase seeding rates by 50 percent.

[2]Pure live seed (PLS)

Table 60-5 Soil Stabilization Schedule

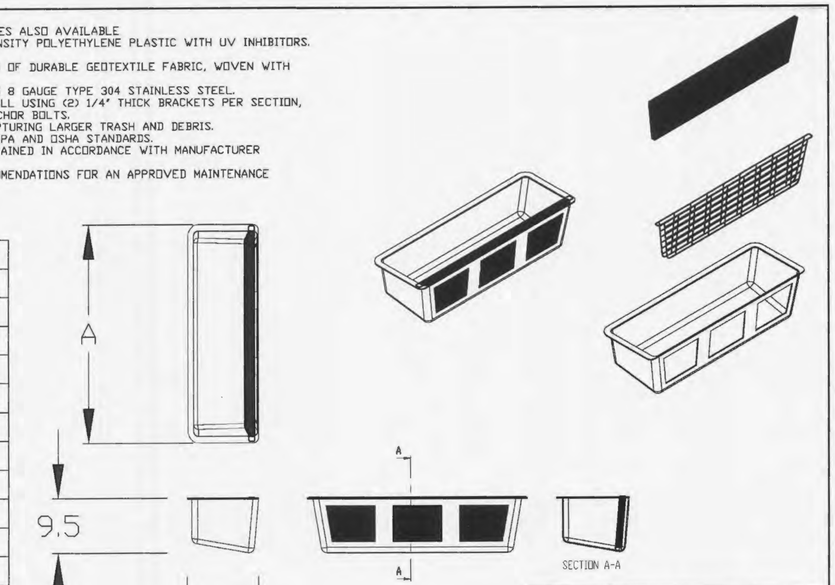
Soil Disturbance Activity or Condition	Required Stabilization Time
Soil disturbance has ceased in areas greater than 2,000 square feet.	14 days
After construction of dikes, swales, diversions, and other concentrated flow areas	5 days
When slopes are steeper than 3 horizontal to 1 vertical	7 days
When slopes are greater than 3% and longer than 150 feet.	14 days
Perimeter controls around soil stockpiles.	End of workday
Stabilization or covering of inactive stockpiles.	30 days
When land disturbance is completed, permanent soil stabilization must be installed.	30 days

PERMANENT SEEDING SPECIFICATIONS SHALL CONFORM TO NRCS CONSERVATION PRACTICE STANDARD & SPECIFICATIONS FOR SEEDING.

CODE 340 "COVER CROP"
CODE 342 "CRITICAL AREA PLANTING"
CODE 484 "MULCHING"
CODE 590 "NUTRIENT MANAGEMENT"
CODE 723 "VEGETATION ESTABLISHMENT, HERBACIOUS SEEDING"

NOTES
1. ALL DIMENSION ARE IN FEET. CUSTOM SIZES ALSO AVAILABLE
2. UNITS ARE CONSTRUCTED FROM HIGH DENSITY POLYETHYLENE PLASTIC WITH UV INHIBITORS. OVER 40% RECYCLED CONTENT.
3. DISPOSABLE MEDIA-PAK IS CONSTRUCTED OF DURABLE GEOTEXTILE FABRIC, WOVEN WITH PERFORATED POLYPROPYLENE.
4. MEDIA-PAK CAGE IS CONSTRUCTED USING 8 GAUGE TYPE 304 STAINLESS STEEL.
5. FILTER BODY IS SECURED TO INSIDE WALL USING (2) 1/4" THICK BRACKETS PER SECTION, ATTACHED USING 3/8" X 3" EXPANSION ANCHOR BOLTS.
6. OPTIONAL STORMWEB, DESIGNED FOR CAPTURING LARGER TRASH AND DEBRIS.
7. FILTER MEDIA IS NON-HAZARDOUS PER EPA AND OSHA STANDARDS.
8. FILTER SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
9. PLEASE REFER TO MANUFACTURER RECOMMENDATIONS FOR AN APPROVED MAINTENANCE PROGRAM.

STANDARD DIMENSIONS	
MODEL #	A*
TRC2	2.00
TRC2.5	2.50
TRC3	3.00
TRC3.5	3.50
TRC4	4.00
TRC5	5.00
TRC6	6.00
TRC7	7.00
TRC8	8.00
TRC9	9.00
TRC10	10.00
TRC12	12.00
TRC14	14.00
TRC21	21.00
TRC28	28.00



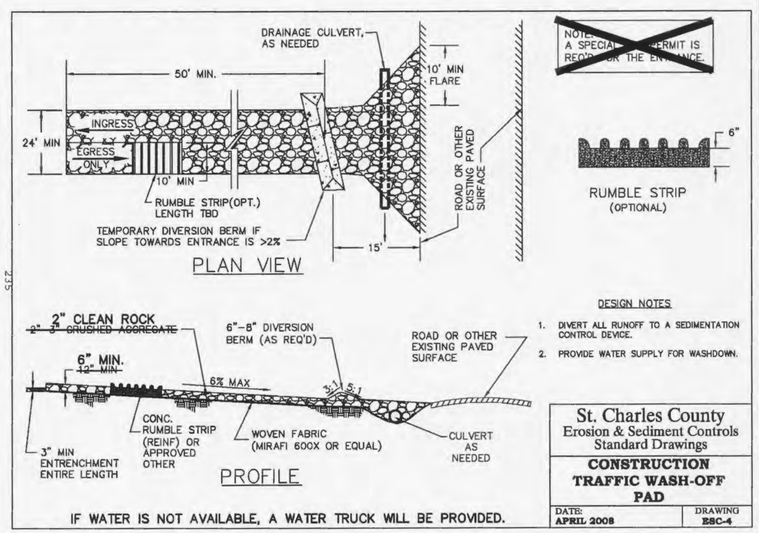
REVISIONS

REV	DESCRIPTION

TYPICAL DETAIL WITH SIZING TABLE
CURB INLET
TRITON

CONTECH STORMWATER SOLUTIONS
contechstormwater.com

SCALE: NONE
DRAWN: JBS
CHECKED: WBG
FILE NAME: TYP75ILTCIF
DATE: 4/10/07



NOTE: A SPECIAL PERMIT IS REQUIRED FOR THE ENTRANCE.

RUMBLE STRIP
(OPTIONAL)

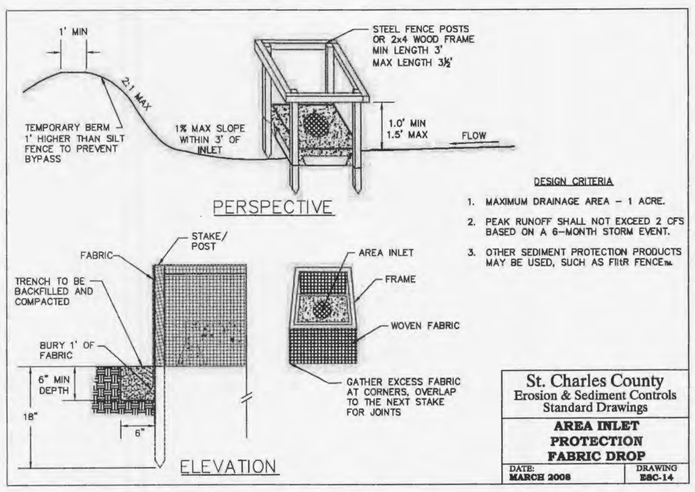
DESIGN NOTES
1. DIVERT ALL RUNOFF TO A SEDIMENTATION CONTROL DEVICE.
2. PROVIDE WATER SUPPLY FOR WASHDOWN.

IF WATER IS NOT AVAILABLE, A WATER TRUCK WILL BE PROVIDED.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

CONSTRUCTION TRAFFIC WASH-OFF PAD

DATE: APRIL 2008 | DRAWING ESC-4



DESIGN CRITERIA
1. MAXIMUM DRAINAGE AREA – 1 ACRE.
2. PEAK RUNOFF SHALL NOT EXCEED 2 CFS BASED ON A 6-MONTH STORM EVENT.
3. OTHER SEDIMENT PROTECTION PRODUCTS MAY BE USED, SUCH AS FILTR FENCE™.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

AREA INLET PROTECTION FABRIC DROP

DATE: MARCH 2008 | DRAWING ESC-14

PROJECT TITLE
WYNDGATE VILLAGE B PLAT TWO
PRS No. 01267.MCS0.04R

PICKETT, RAY & SILVER INC
CIVIL ENGINEERING, LAND SURVEYING, AND NATURAL RESOURCES SERVICES
St. Peters: 22 Richmond Center Court, St. Peters, MO 63376
Bremson: 110 West Adams, Suite 201, Bremson, MO 65616
Phone (636) 397-1211 Fax (636) 397-1104
www.prs3.com 1-800-708-3818

ENGINEERS AUTHENTICATION
THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS HEREBY LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE, AND DATE HEREUNDER ATTACHED. RESPONSIBILITY IS DISCLAIMED FOR ALL OTHER ENGINEERING PLANS INVOLVED IN THIS PROJECT AND SPECIFICALLY EXCLUDES ALL PLANS DATED AFTER THIS DATE UNLESS ASSUMED BY US.
PICKETT, RAY & SILVER, INC. MO LICENSE #000325
DOUGLAS S. TIEMANN NUMBER E-23345 PROFESSIONAL ENGINEER
April 24, 2008
DOUGLAS S. TIEMANN
PROFESSIONAL ENGINEER LICENSE E-23345

Developer / Owner Information
McBride Wyndgate, LLC
16091 Swingley Ridge Road, Suite 300
Chesterfield, Missouri 63017

CITY OF O'FALLON EROSION CONTROL DETAILS

P+Z No. 3203

City No.

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