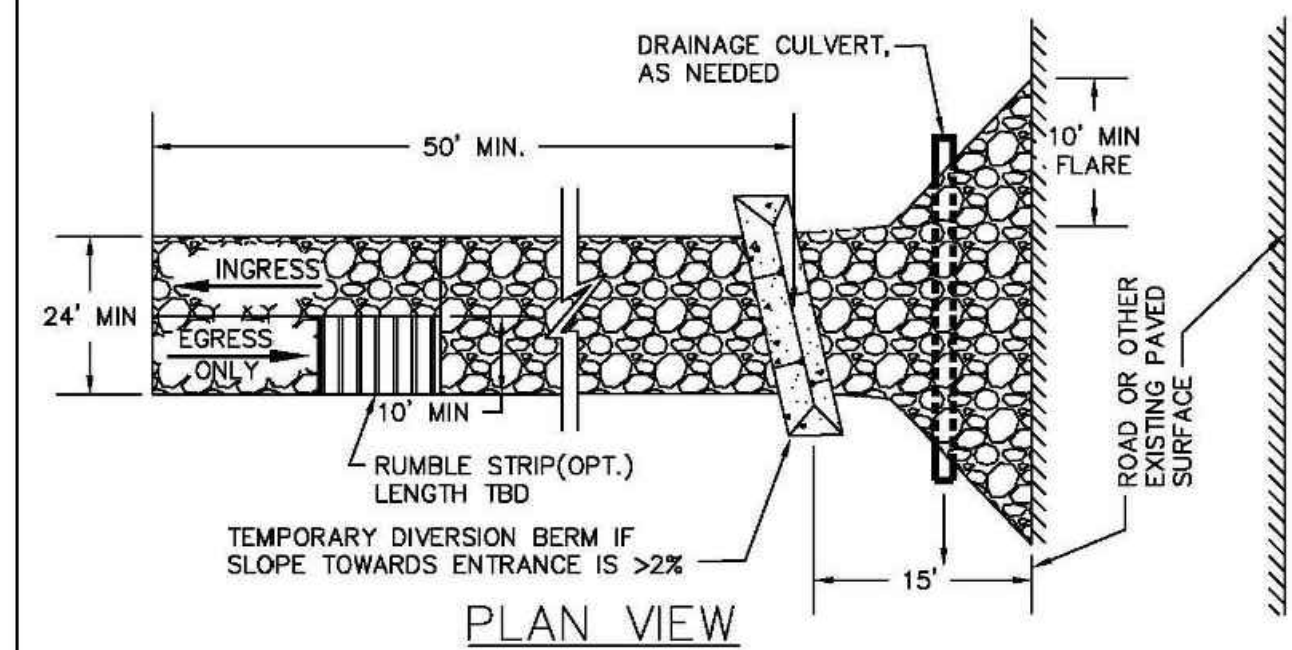
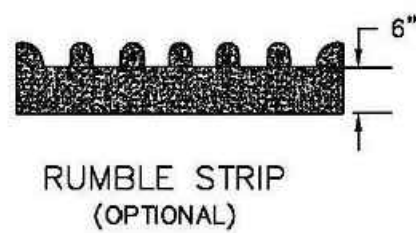


As 130-000130-241-C000 (mg) (07) 130241-C001-C000 (mg) (20 080) 15/09/14/2023 - www.mbr.com - LP: 11/20/2023 8:24 AM

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

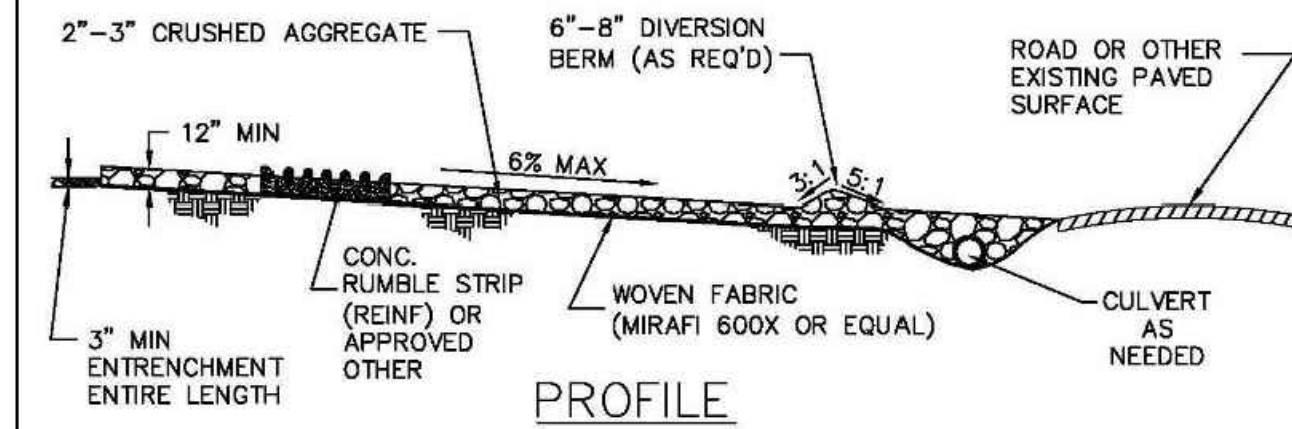


NOTE:
A SPECIAL USE PERMIT IS
REQ'D FOR THE ENTRANCE.



DESIGN NOTES

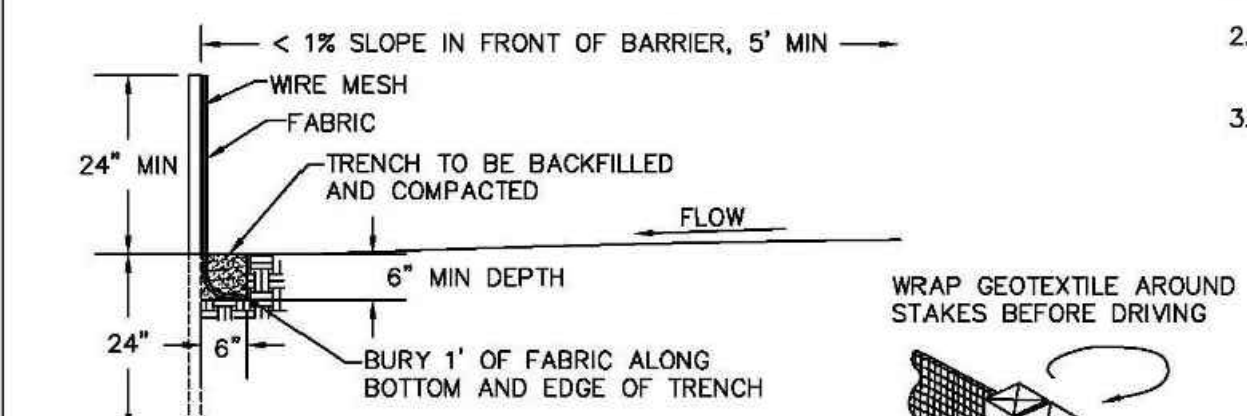
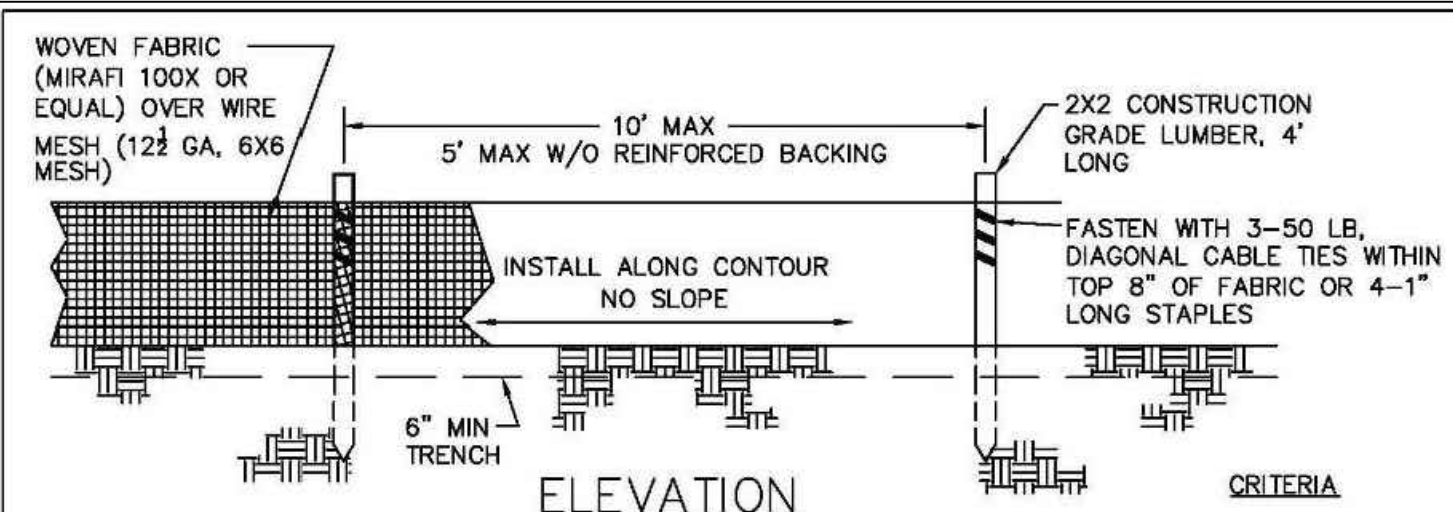
1. DIVERT ALL RUNOFF TO A SEDIMENTATION CONTROL DEVICE.
2. PROVIDE WATER SUPPLY FOR WASHDOWN.



St. Charles County
Erosion & Sediment Controls
Standard Drawings
CONSTRUCTION
TRAFFIC WASH-OFF
PAD

DATE:
APRIL 2008

DRAWING
ESC-4



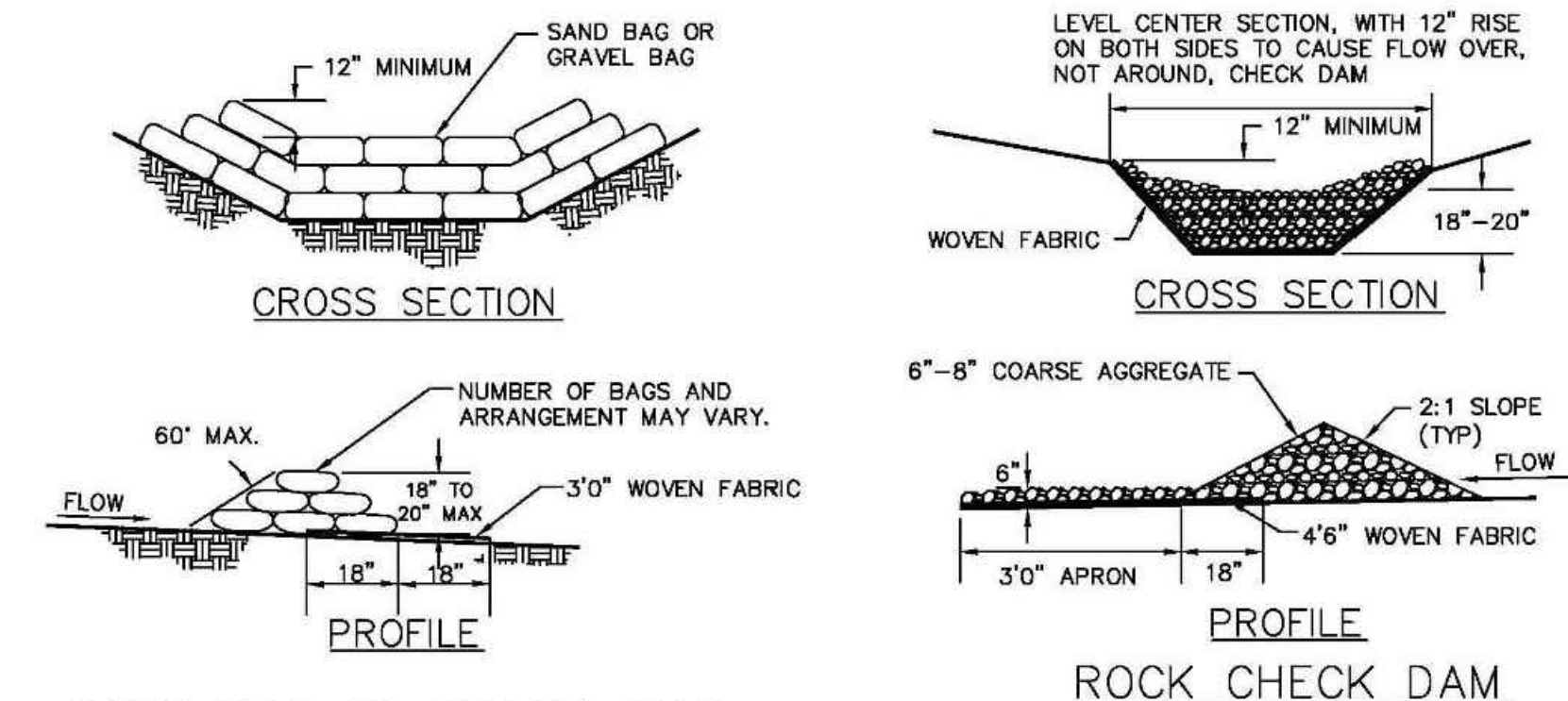
NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED TO SLICE INTO THE GROUND, THE TRENCH IS NOT REQ'D.

JOINING SECTIONS
OF SILT FENCE

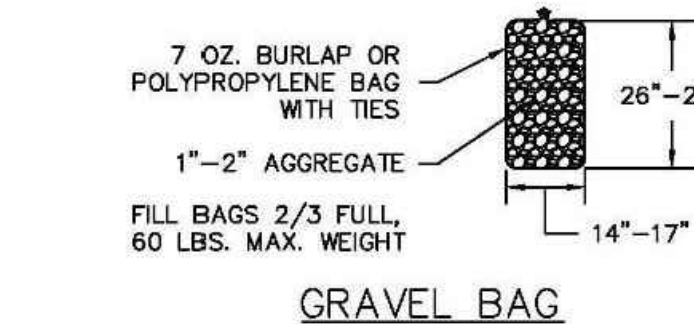
St. Charles County
Erosion & Sediment Controls
Standard Drawings
SILT FENCE
INSTALLATION
SHEET FLOW (ONLY)

DATE:
MAY 2005

DRAWING
ESC-5



SAND BAG OR GRAVEL BAG
CHECK DAM



NOTE:
1. CHECK DAMS MAY BE CONSTRUCTED OF SEVERAL ESC CHECK DAM PRODUCTS, SUCH AS TRIANGULAR SILT DIKE®.
2. SEE TABLE 60-12 AND ESC 1 FOR CHECK DAM SPACING.

St. Charles County
Erosion & Sediment Controls
Standard Drawings
CHECK DAMS

DATE:
APRIL 2008

DRAWING
ESC-11

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

Table 60-6 Soil Amendment Rates

Soil Amendment Material	Application Rate (Lb per Acre)
Fertilizer	Nitrogen (N) 30 ¹
	Phosphate (P ₂ O ₅) 90 ¹
	Potash (K ₂ O) 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.

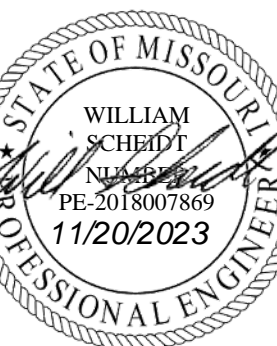
² Pure live seed (PLS)

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)



MBR MANAGEMENT
NORTH MAIN PROPERTIES
201 N. MAIN STREET, SUITE 300
ST. CHARLES, MO

Revision Date: 9/14/2023

P+Z No.
Approval Date: 1/6/2022
Permit No.: 21-008100

Page No.
C900

NORTH MAIN
PROPERTIES
EROSION CONTROL DETAILS


Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway · Suite 102 · St. Charles, MO 63301
314-656-4566 · 866-250-3679
www.ceeinc.com