

Table 6.3 Temporary Seeding Plant Materials and Minimum Seeding Rate*

Species	Seeding Rate		Plant Characteristics
	lbs. per acre	lbs. per 1,000 ft.2	
Oats	80	2	Not cold tolerant, height up to 2 feet
Cereals: Rye/Wheat	90/120	2/2.5	Cold tolerant, height up to 3 feet, low pH tolerant
Millet, Sudangrass	45 / 60	1 / 1.25	Warm season annual, aggressive growth height up to 5 feet
Annual Ryegrass	75	2	May be added to mix, not heat tolerant, height up to 16 inches
Annual Lespedeza** plus Tall Fescue	15 plus 45	0.5 plus 1	Warm season annual legume, makes own nitrogen, tolerated low pH

*. In Areas receiving less than 30 inches of precipitation, use 75 percent of these rates.
 ** If there is any possibility the seeding will be required to control erosion for more than one year, then consider the addition of fescue or another permanent species as part of a mixture when seeding.

Table 6.4 Seeding Dates for Temporary Seeding

Species	Seeding Dates Optimum and Acceptable											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Oats												
Cereals: Rye/Wheat												
Millet, Sudangrass												
Annual Ryegrass												
Annual Lespedeza** plus Tall Fescue												

* If site may not be developed within one year, consider permanent species listed in Table 6.5.

Table Key
 Optimum Seeding Times
 Acceptable Seeding Times

Table 6.5 Planting Dates Optimum and Acceptable* Planting Dates

Species	Seeding Dates Optimum and Acceptable											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Turf Fescue												
Tall Fescue												
Kentucky Bluegrass												
Perennial Ryegrass												
Ryegrass												
Reed Canary												
Bermuda - Common												
Bermuda - Hybrid												
Buffalograss1												
Zoysia2												
Birdsfoot Trefoil												
Common Lespedeza												
Red Clover												
White Clover												
Wheat/Rye3												
Oats 3,4												

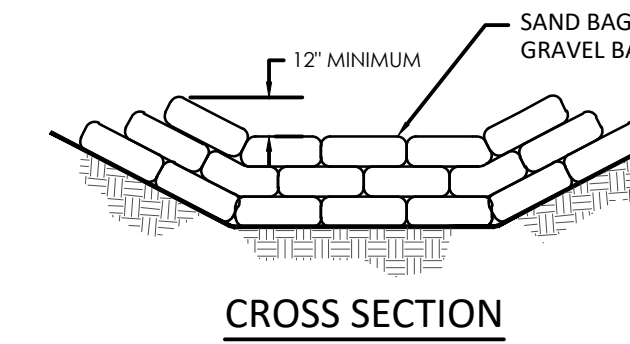
1 Can also be sprigged.
 2 Usually sprigged. Space plugs every 6,8 or 12 inches with 4,000, 2,250 or 1,000 sprigs/1,000 sq. ft. respectively
 3 Check with your local Noxious Weed Department before planting
 4 Nurse crop only.

Table Key
 Optimum Seeding Times
 *with Mulch Cover Acceptable Seeding Times

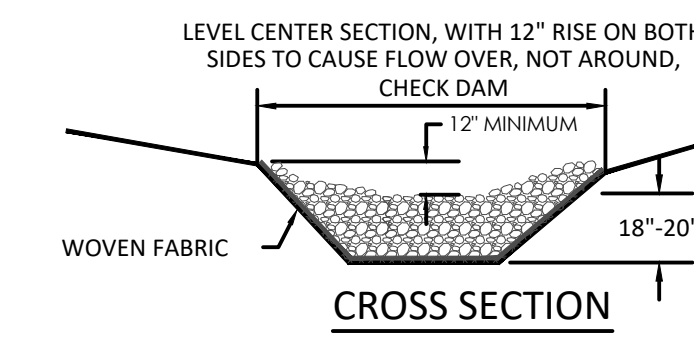
Table 6.8 Seeding Rates

Species	Missouri: Full Seeding Rate1	
	lbs./acre (PLS)2	
Cool Season Grasses	Perennial Ryegrass	150
	Canada wildrye	24
	Tall Fescue	150
	Crested Wheatgrass	16
	Kentucky Bluegrass	120
Warm Season Grasses	Bromegrass	100
	Redtop	8
	Reed Canary	40
	Common Bermuda	4
	Hybrid Bermuda	-
Legumes3	Buffalograss	8 (grain)
	Blue grama	6
	Zoysia	-
	Sideoats grama	15
	Little bluestem	13
	Big bluestem	16
	Indiangrass	16
Switchgrass	9	
Companion Crops	Birdsfoot trefoil	10
	Annual lespedeza	16
	Red clover	12
	White clover	4
Other	Alfalfa	9
	Wheat	1 bu./acre
	Rye (cereal)	1 bu./acre
Oats	1.5 bu./acre	

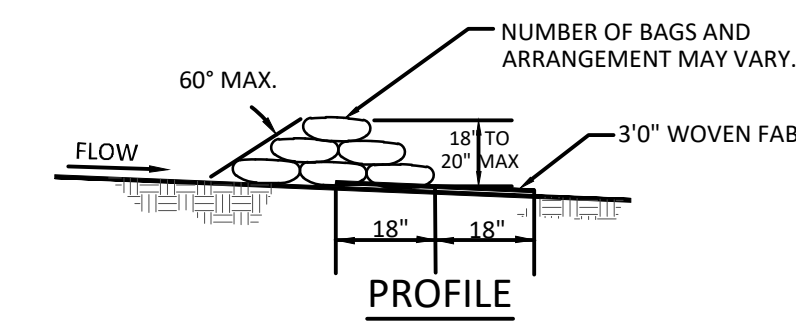
1. Note: Rates based on typical construction site conditions where seedbed is normally less than ideal. Planned future use or specific site conditions may dictate an increase or decrease in rates.
 2. PLS or Pure Live Seed = the amount of seed guaranteed to grow.
 3. Legumes alone will not provide adequate erosion protection; use with a grass in a mixture.



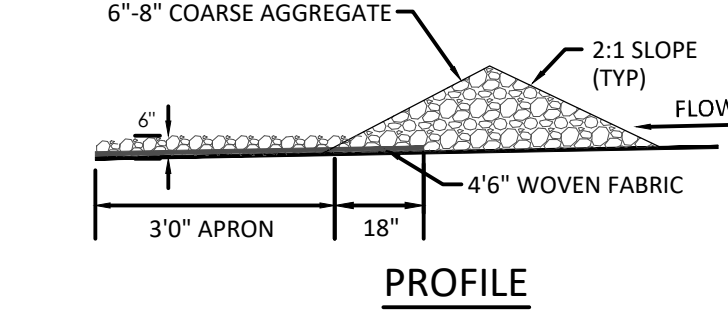
CROSS SECTION



CROSS SECTION



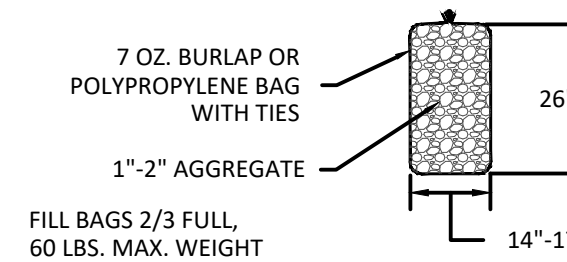
PROFILE



PROFILE

SAND BAG OR GRAVEL BAG CHECK DAM

ROCK CHECK DAM



GRAVEL BAG

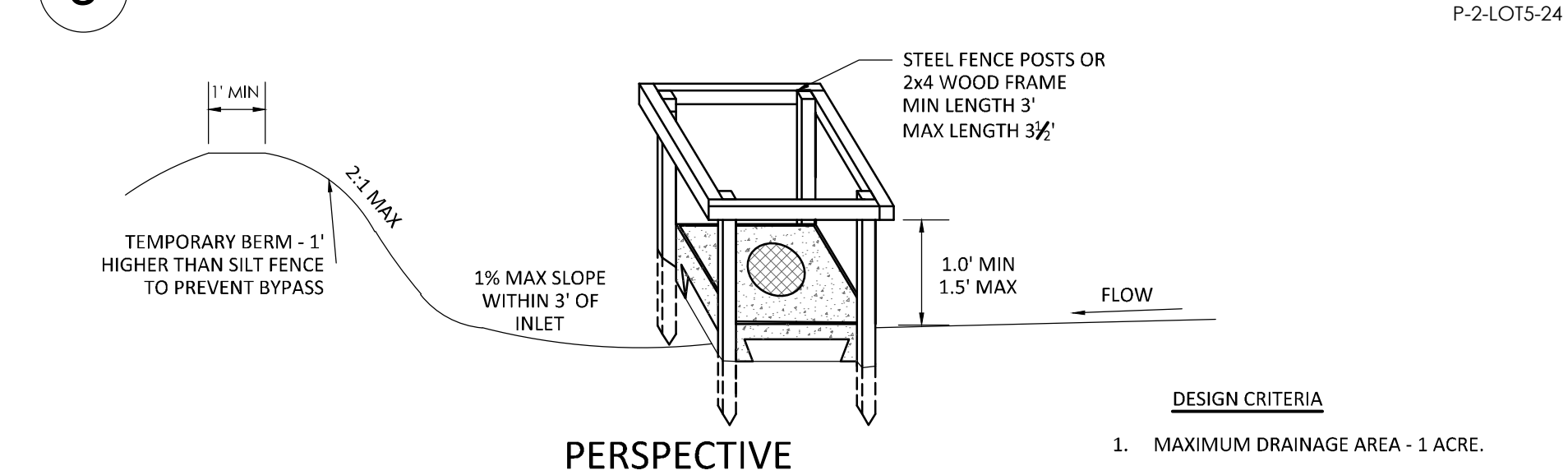
NOTE:
 1. CHECK DAMS MAY BE CONSTRUCTED OF SEVERAL ESC CHECK DAM PRODUCTS, SUCH AS TRIANGULAR SILT DIKE®.
 2. SEE TABLE 60-12 AND ESC 1 FOR CHECK DAM SPACING.

St. Charles County Erosion & Sediment Controls Standard Drawings

CHECK DAMS

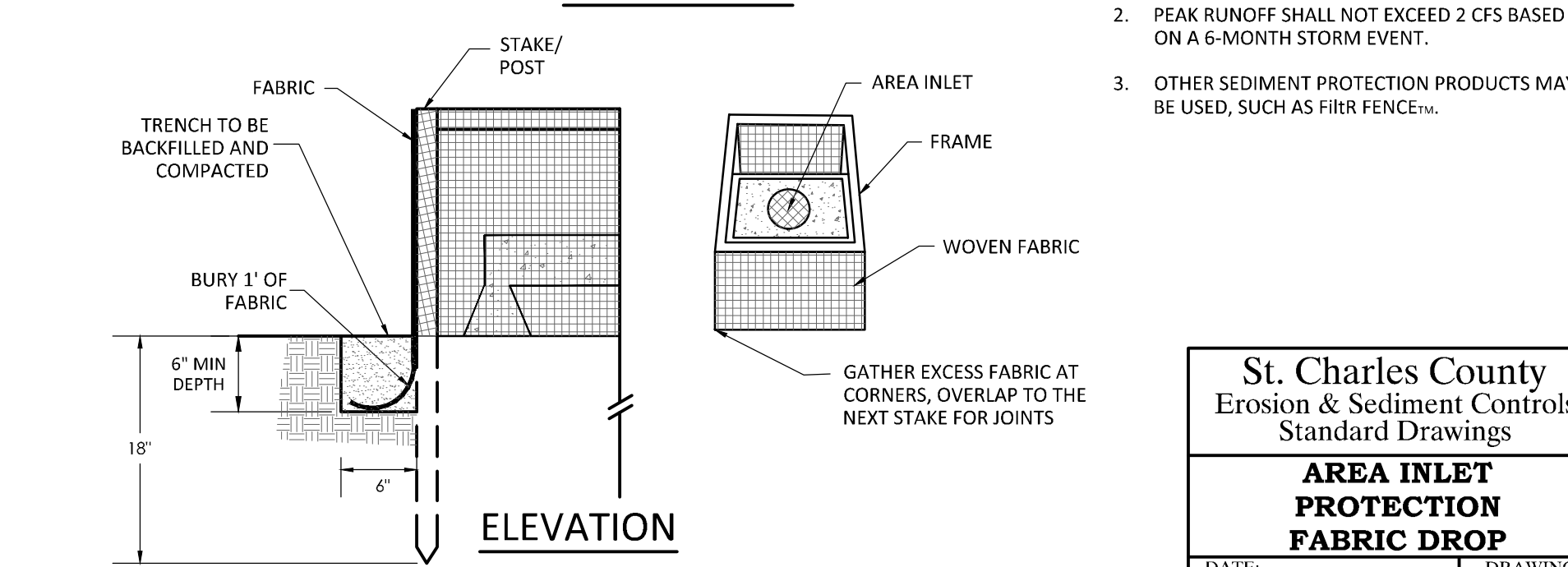
DATE: **APRIL 2008** DRAWING: **ESC-11**

3 CHECK DAMS



PERSPECTIVE

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 FILTER FENCE™.



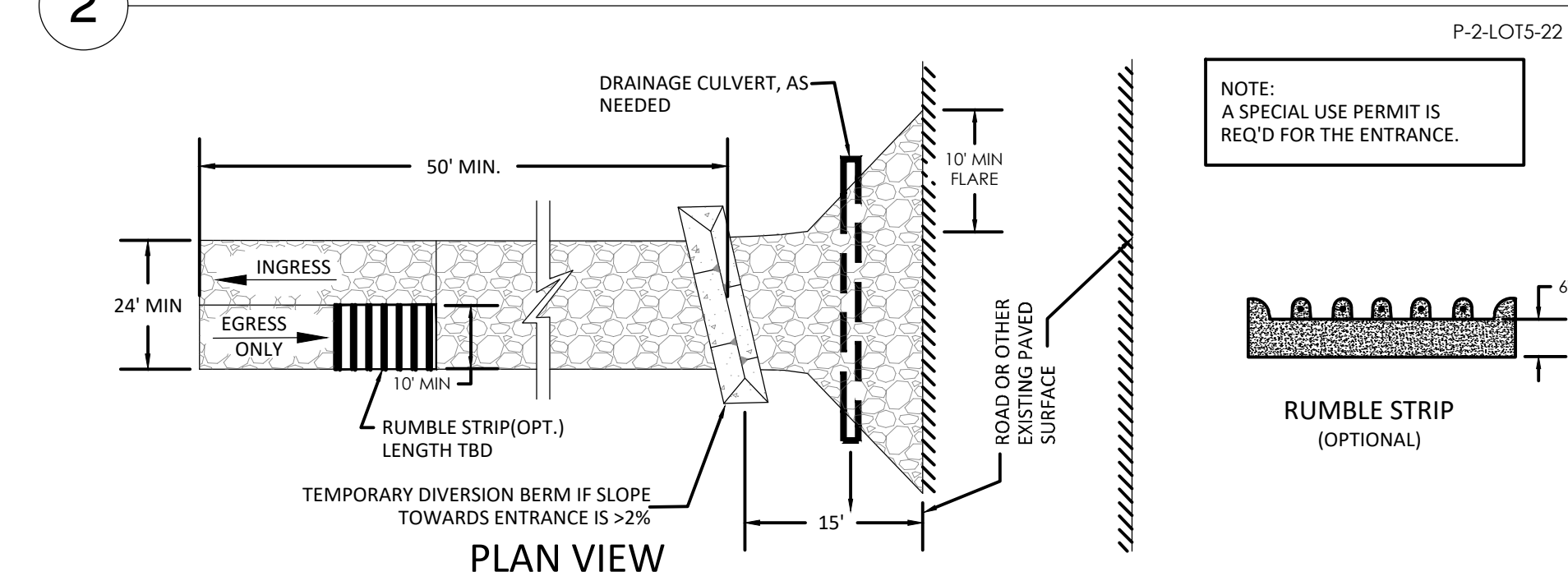
ELEVATION

St. Charles County Erosion & Sediment Controls Standard Drawings

AREA INLET PROTECTION FABRIC DROP

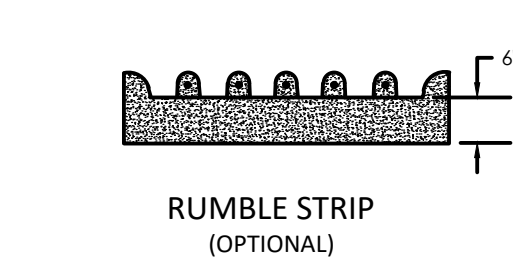
DATE: **MARCH 2008** DRAWING: **ESC-14**

2 AREA INLET PROTECTION FABRIC DROP

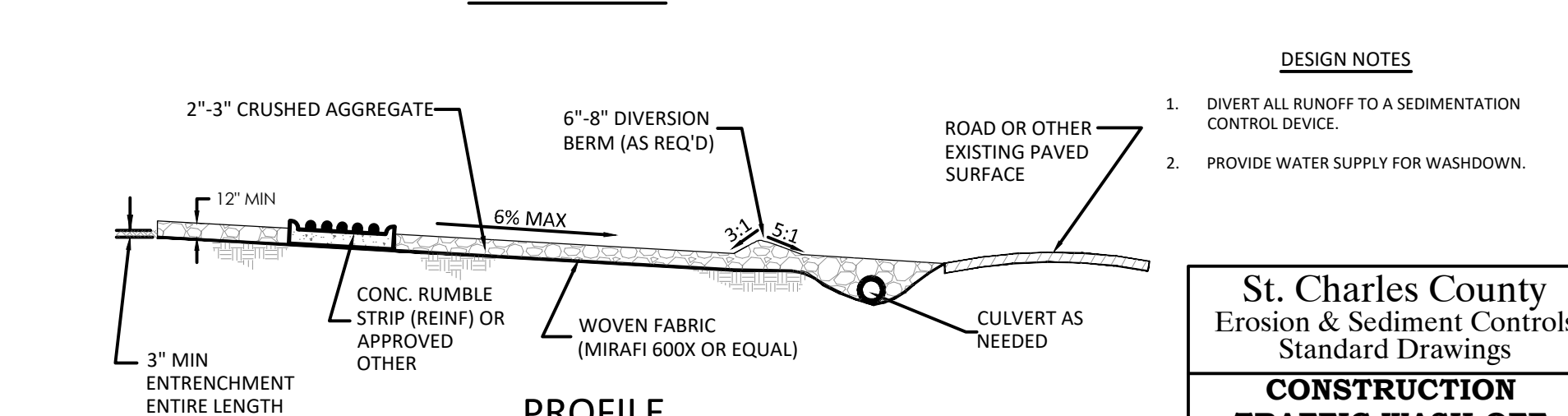


PLAN VIEW

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



RUMBLE STRIP (OPTIONAL)



PROFILE

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

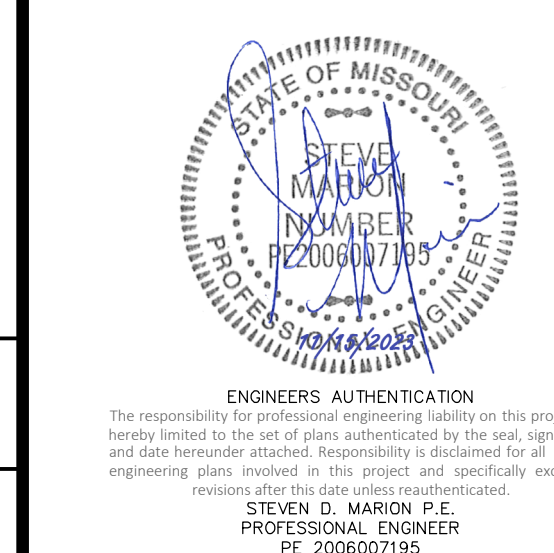
St. Charles County Erosion & Sediment Controls Standard Drawings

CONSTRUCTION TRAFFIC WASH-OFF PAD

DATE: **APRIL 2008** DRAWING: **ESC-4**

1 CONSTRUCTION TRAFFIC WASH-OFF PAD

P-2-LOTS-21



NOLES PROPERTIES LLC
LOT 5 - HEARTLAND DENTAL
 958 BRYAN ROAD
 O'FALLON, MO 63366
 NOLES PROPERTIES
 11361 OLIVE BLVD
 CREVE COEUR, MO 63141

#	Revision Date	Description of Changes
1	11/16/2007	REVISED PER CITY COMMENTS
2	11/14/2007	REVISED PER CITY COMMENTS

Sheet Title: **EROSION CONTROL DETAILS**

Sheet Number: **C-501**

Project No: 2202920
 Drawn By: C. KILE
 Checked By: M. FOGARTY

PERMIT SET

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