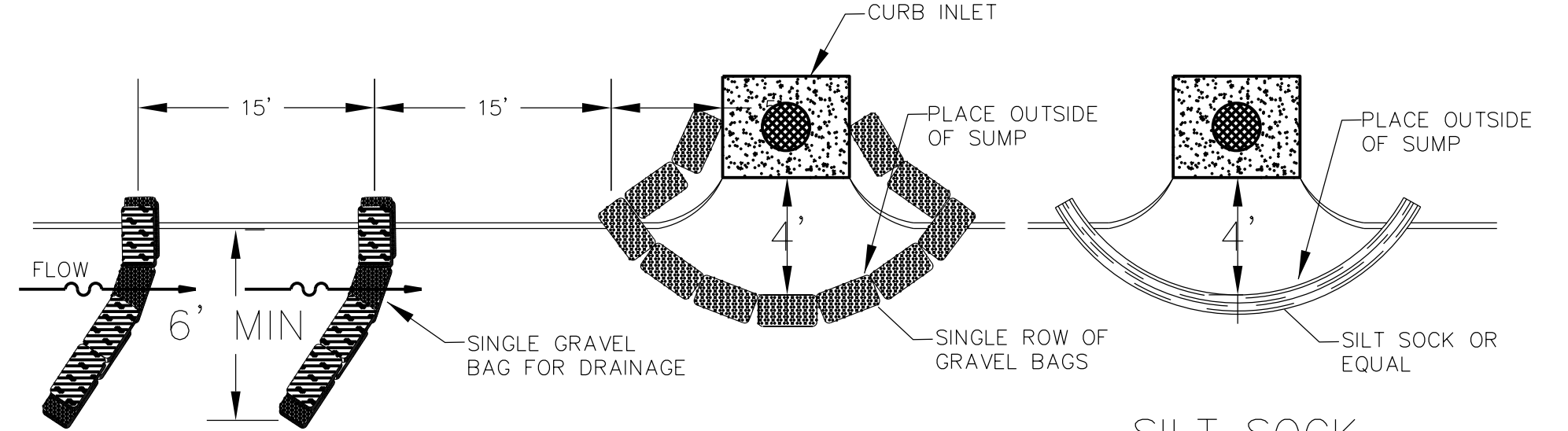


- DESIGN CRITERIA**
1. SILT FENCE FOR SHEET FLOW SHALL HAVE A MAXIMUM DRAINAGE AREA OF 1/4 ACRE PER 100 LF.
 2. STRAW BALE BARRIERS FOR SHEET FLOW SHALL HAVE A MAXIMUM DRAINAGE AREA OF 1/4 ACRE PER 100 LF.
 3. REFER TO INDIVIDUAL ESC FIGURE FOR INSTALLATION.
 4. TERRACING INCLUDES LOGS, WATTLES & FILTER SOCKS.

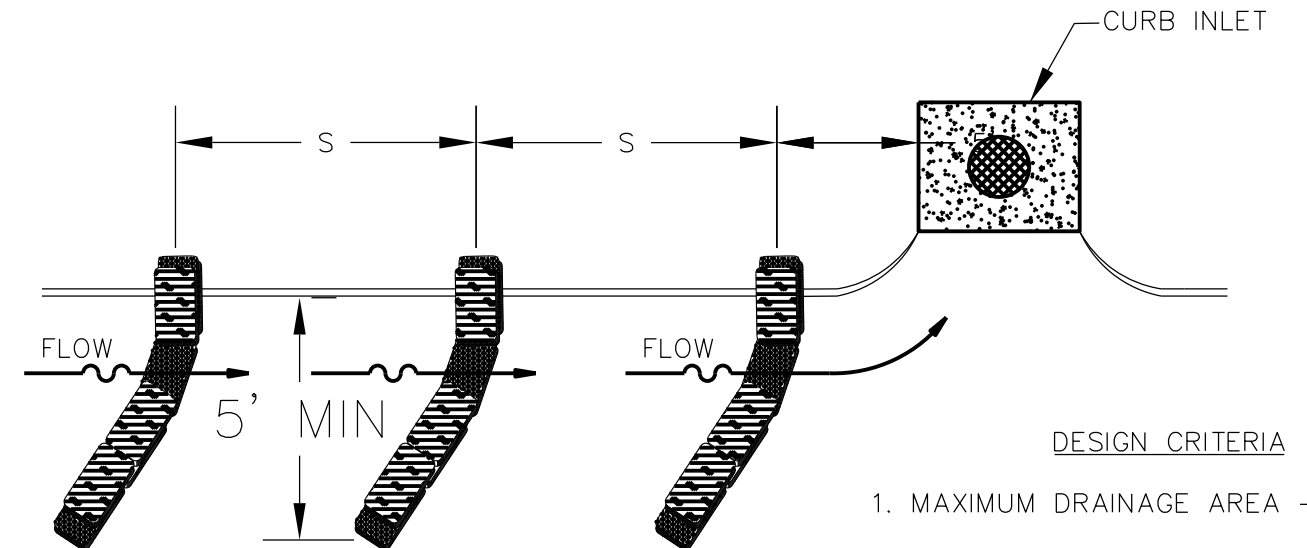
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

SPACING CHART
FOR ESC DEVICES



TRAP PLACEMENT AT LOW POINT

SILT SOCK (ALTERNATIVE)



TRAP PLACEMENT AT INTERMEDIATE INLET

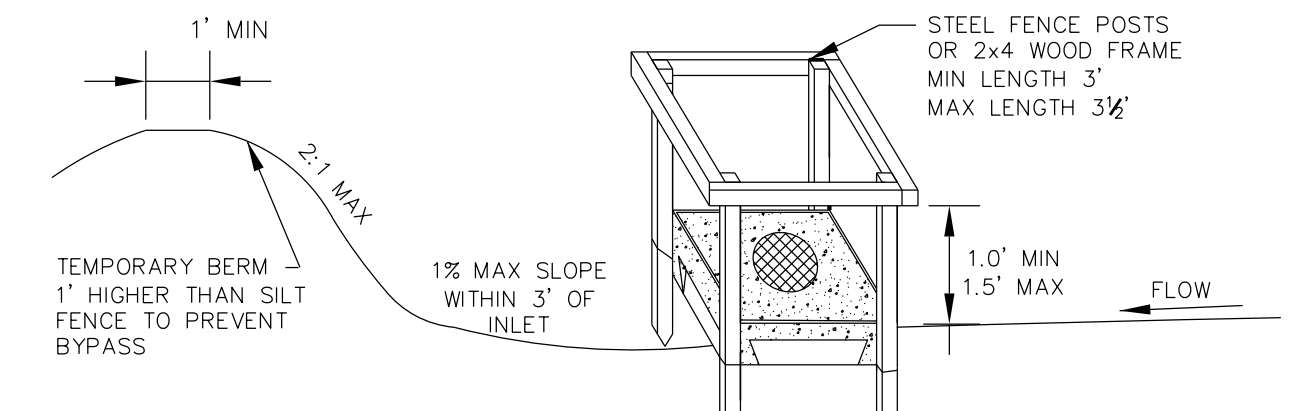
SPACING OF TRAPS

| GUTTER SLOPE | S |
|--------------|-----|
| LOW PT | 15' |
| 1% | 20' |
| 2% | 15' |
| 3% MAX. | 10' |

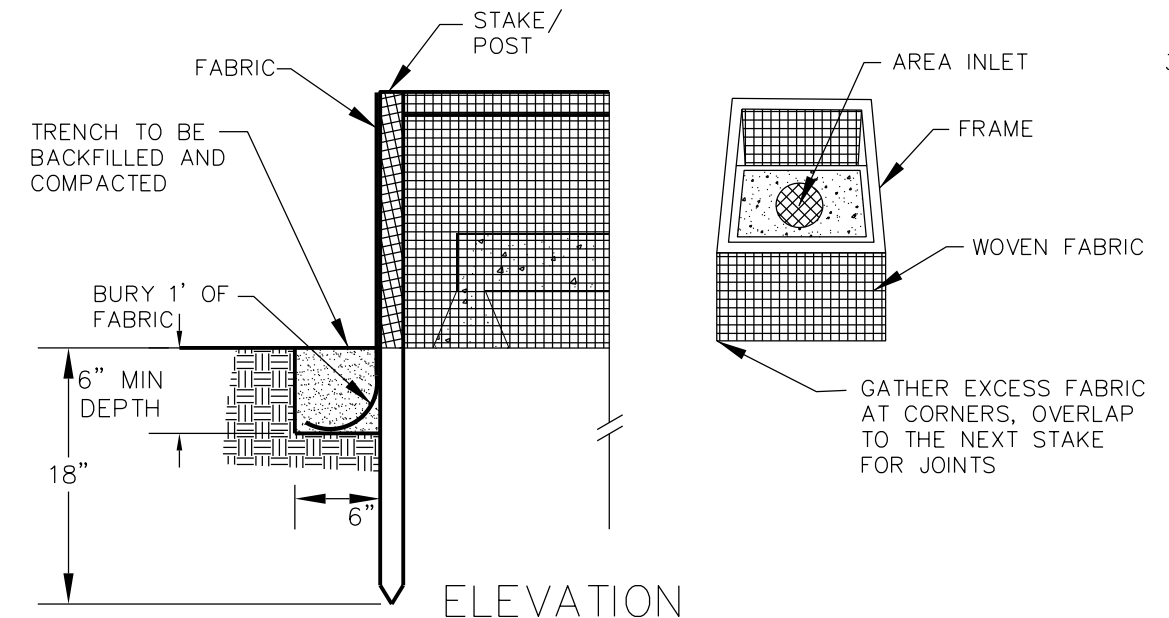
- DESIGN CRITERIA**
1. MAXIMUM DRAINAGE AREA - 1 ACRE.
 2. PEAK RUNOFF SHALL BE ≤ 2 CFS BASED ON THE 6-MONTH STORM.
 3. STACK GRAVEL BAGS DOUBLE HIGH. PROVIDE GAP FOR DRAINAGE.

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

CURB INLET
PROTECTION



PERSPECTIVE



ELEVATION

- 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 FIBR FENCE™.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

**AREA INLET
PROTECTION
FABRIC DROP**

DATE: MARCH 2008 DRAWING: ESC-14

RYAN L. HOLMES
Professional Engineer
PE-2017018988

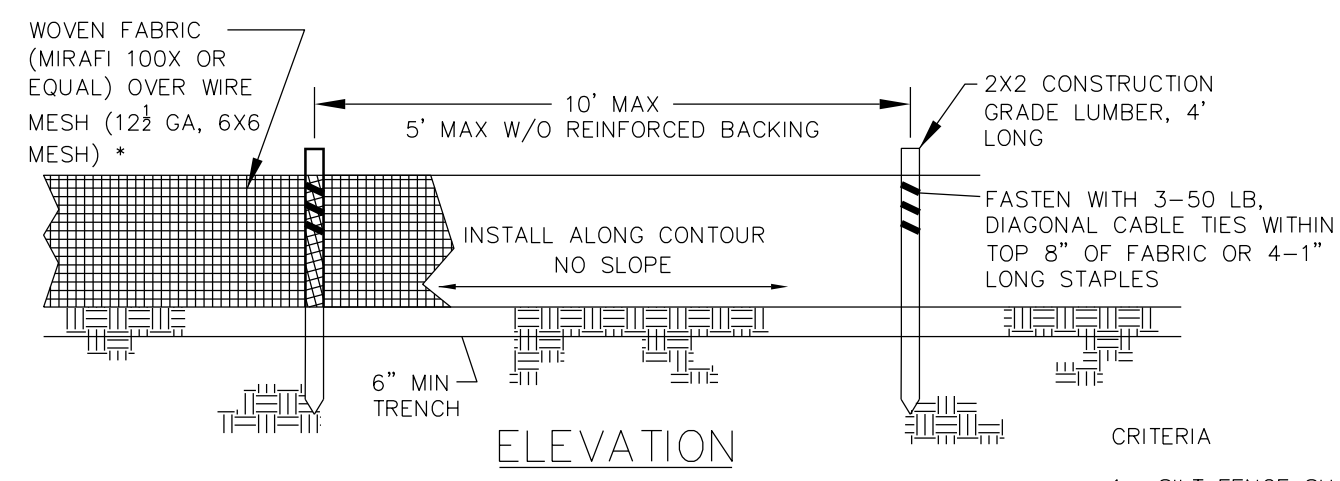
Lombardo
H · O · M · E · S

4 Research Park Drive, Suite 130
St. Charles, MO 63304
Phone: (636) 265-2710

VOLZ
INCORPORATED

PROFESSIONAL ENGINEERING
LAND SURVEYING
TRANSPORTATION
CONSTRUCTION MANAGEMENT

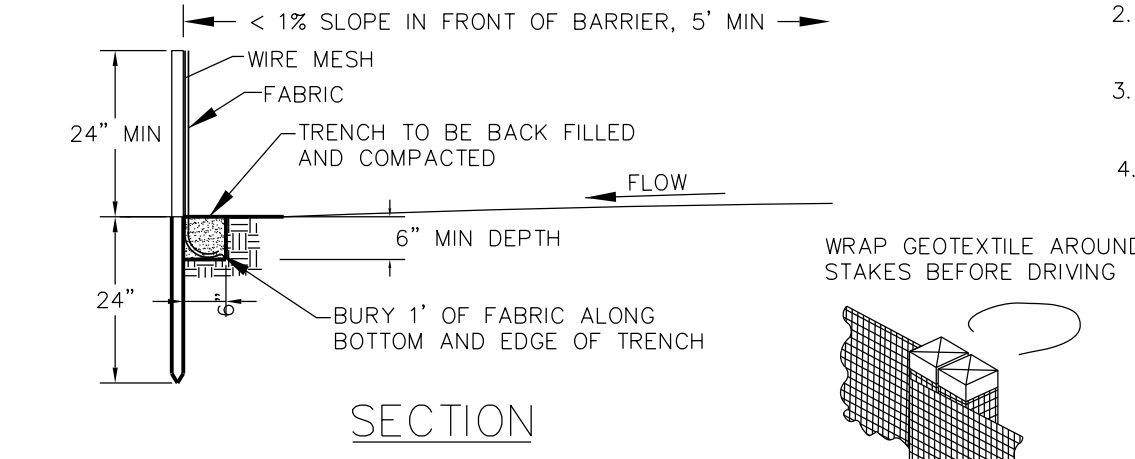
10849 Indian Head Indl Blvd.
St. Louis, Missouri 63132
Phone: 314.890.1250 Fax
www.volzinc.com
Authority #203



ELEVATION

SECTION

- CRITERIA**
1. SILT FENCE SHALL BE 24 INCHES HIGH.
 2. SILT FENCE SHALL NOT BE USED FOR CONCENTRATED FLOWS.
 3. GEOSYNTHETIC REINFORCED SILT FENCE BACKING MAY BE USED IN LIEU OF WIRE MESH.
 4. WIRE MESH WILL BE USED AT LOCATIONS SHOWN ON THE APPROVED SWPPP.



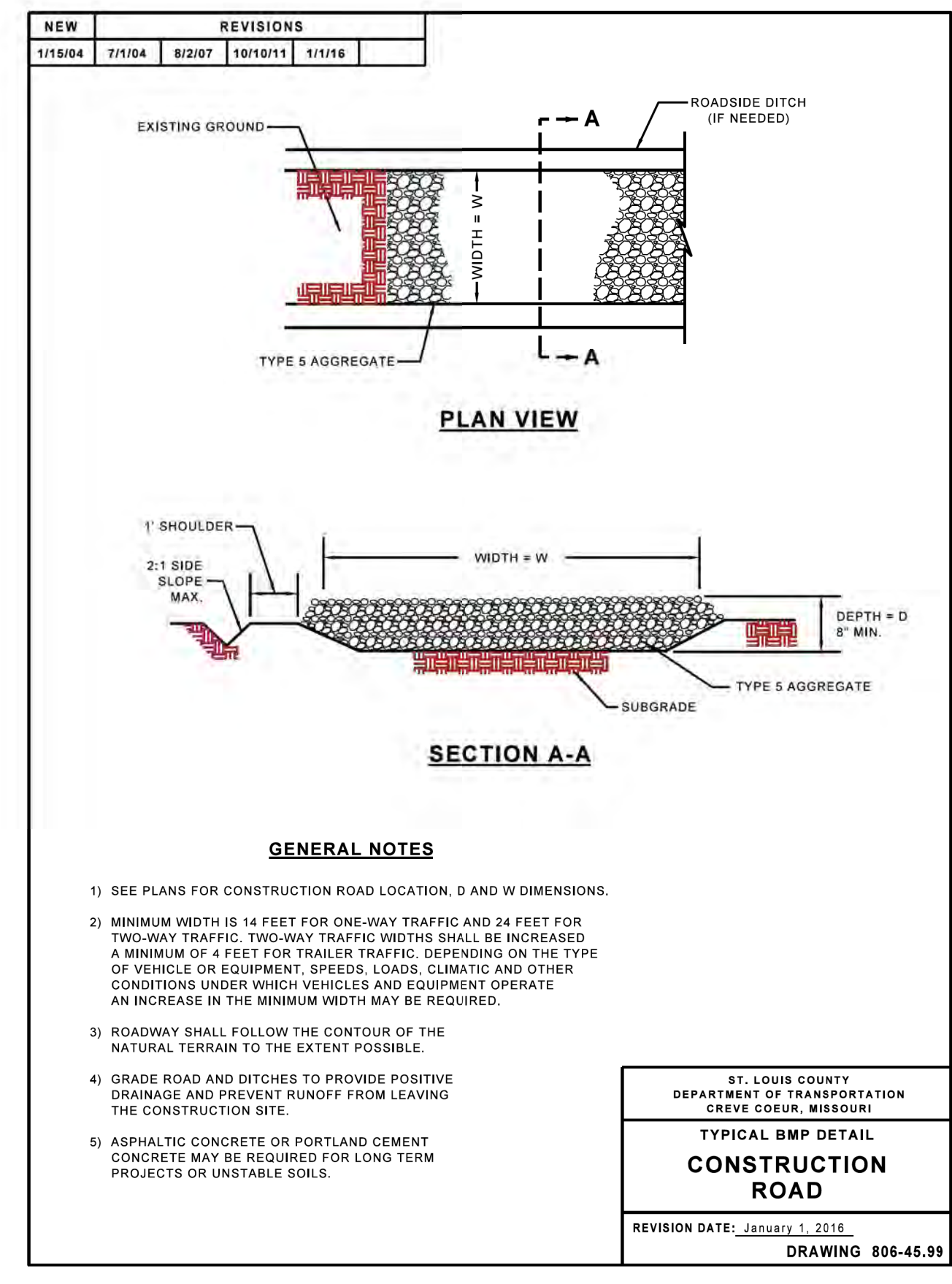
SECTION

JOINING SECTIONS OF SILT FENCE

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

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

SILT FENCE INSTALLATION
SHEET FLOW (ONLY)



PLAN VIEW

SECTION A-A

GENERAL NOTES

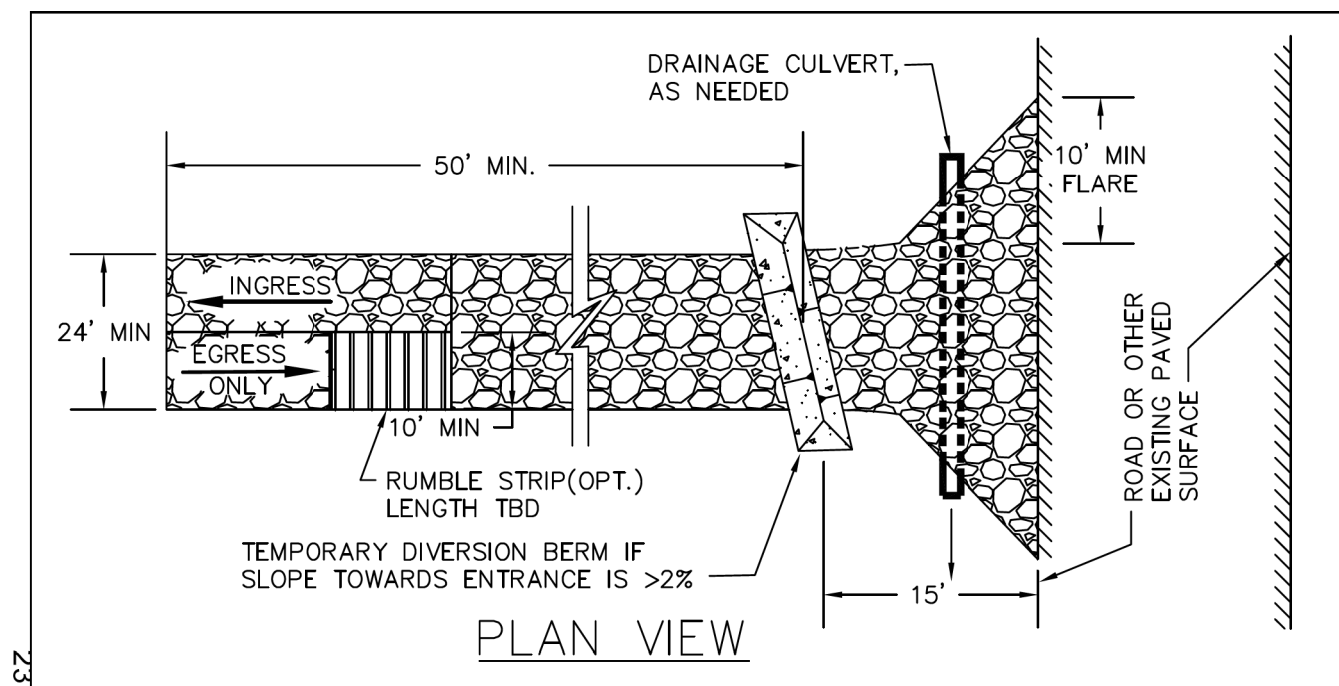
- 1) SEE PLANS FOR CONSTRUCTION ROAD LOCATION, D AND W DIMENSIONS.
- 2) MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 24 FEET FOR TWO-WAY TRAFFIC. TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4 FEET FOR TRAILER TRAFFIC, DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEEDS, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE. AN INCREASE IN THE MINIMUM WIDTH MAY BE REQUIRED.
- 3) ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.
- 4) GRADE ROAD AND DITCHES TO PROVIDE POSITIVE DRAINAGE AND PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- 5) ASPHALTIC CONCRETE OR PORTLAND CEMENT CONCRETE MAY BE REQUIRED FOR LONG TERM PROJECTS OR UNSTABLE SOILS.

ST. LOUIS COUNTY
DEPARTMENT OF TRANSPORTATION
CREVE COEUR, MISSOURI

**TYPICAL BMP DETAIL
CONSTRUCTION
ROAD**

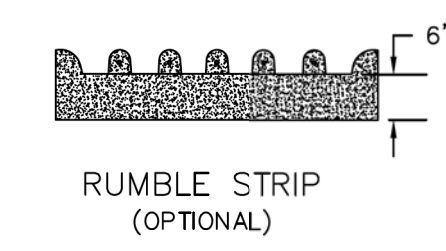
REVISION DATE: January 1, 2016
DRAWING 806-45.99

1/1/2016 Page 126 Sediment and Erosion Control Manual Standard Drawings



PLAN VIEW

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



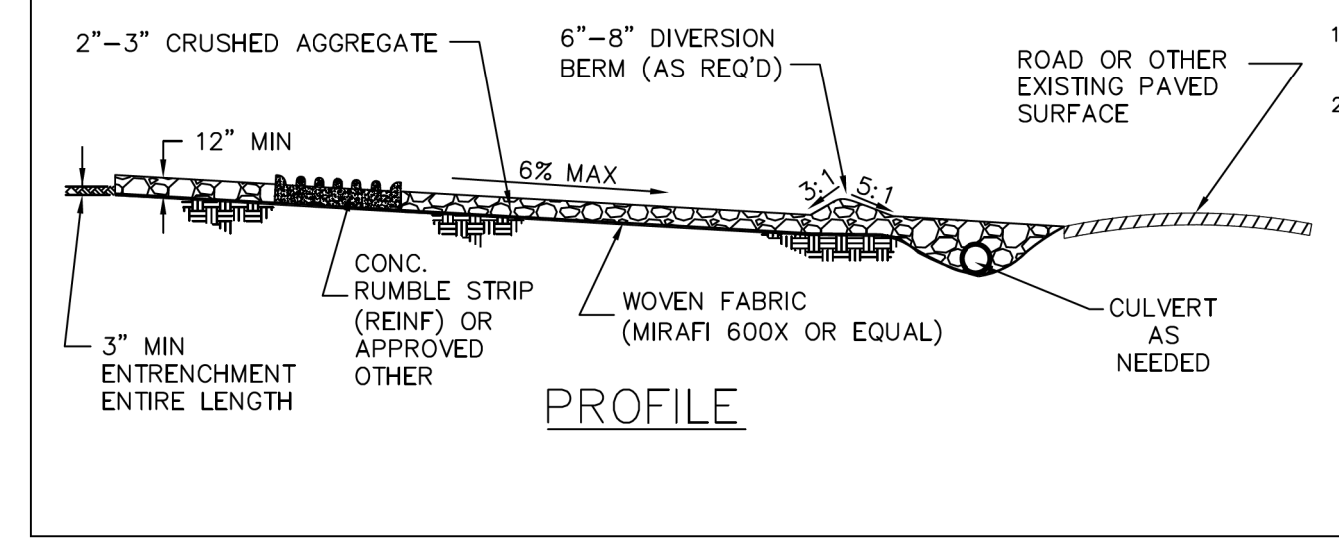
RUMBLE STRIP (OPTIONAL)

- 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



PROFILE

THE VILLAS AT ARAGON
VETERANS MEMORIAL PARKWAY
O'FALLON, MO 63366

SWPPP DETAILS

Permit ID: 2-056C-S026-00-001.10
Permit No. GR22-00001
Volz Project # 22649

Design By: R/LH
Drawn By: R/LH
Checked By: R/LH

10-12-22
C25