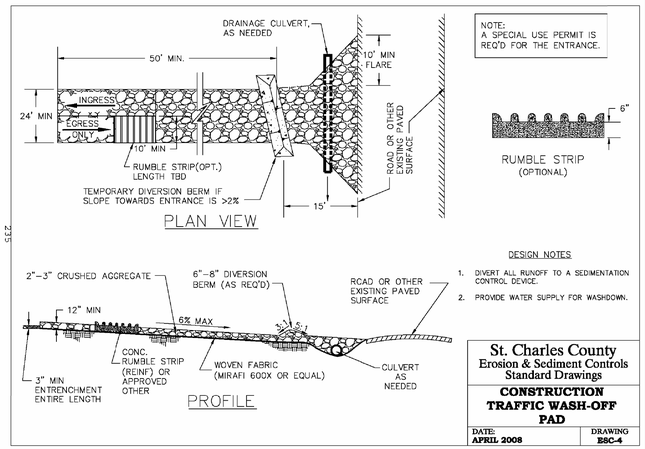


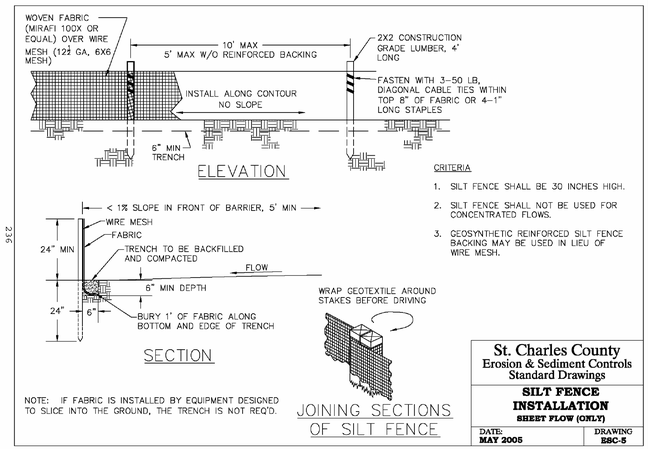
DESIGN NOTES

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:	DRAWING
APRIL 2008	ESC-4



CRITERIA

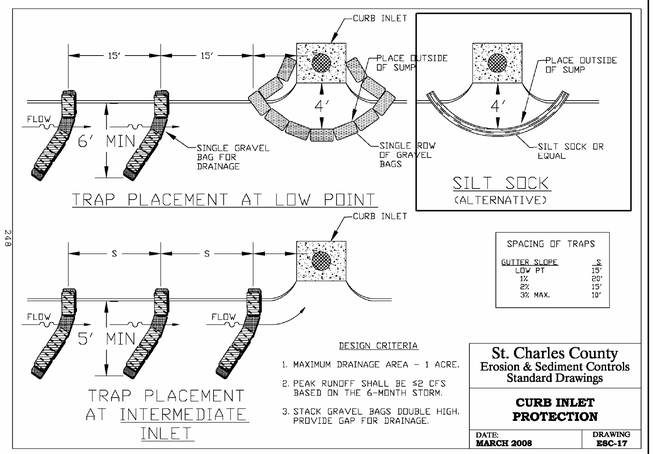
1. SILT FENCE SHALL BE 30 INCHES HIGH.
2. SILT FENCE SHALL NOT BE USED FOR CONCENTRATED FLOWS.
3. GEOSYNTHETIC REINFORCED SILT FENCE BACKING MAY BE USED IN LIEU OF WIRE MESH.

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

St. Charles County
Erosion & Sediment Controls
Standard Drawings

SILT FENCE INSTALLATION
SHEET FLOW (ONLY)

DATE:	DRAWING
MAY 2005	ESC-5



SPACING OF TRAPS

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

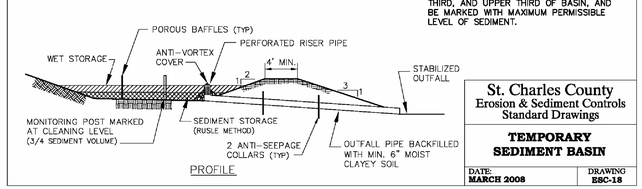
DESIGN CRITERIA

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.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

CURB INLET PROTECTION

DATE:	DRAWING
MARCH 2008	ESC-17



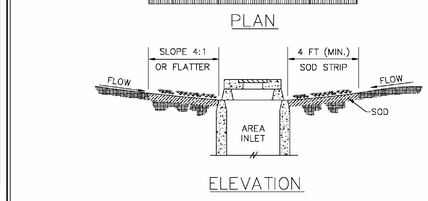
DESIGN CRITERIA

1. THE RISER/OUTLET PIPE SHALL BE SIZED FOR THE 10-YR STORM WITH A 1' FREEBOARD.
2. BAFFLE HEIGHT SHALL BE GREATER THAN TOP OF RISER PIPE AND LESS THAN TOP OF EMBANKMENT.
3. POROUS BAFFLES SHALL BE JUTE MATTING, ROCK, SILT FENCE, OR SIMILAR APPROVED MATERIAL.
4. SILT MONITORING POST(S) SHALL BE INSTALLED NEAR THE OUTLET, THE MIDDLE THIRD, AND UPPER THIRD OF BASIN, AND BE MARKED WITH MAXIMUM PERMISSIBLE LEVEL OF SEDIMENT.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

TEMPORARY SEDIMENT BASIN

DATE:	DRAWING
MARCH 2008	ESC-18



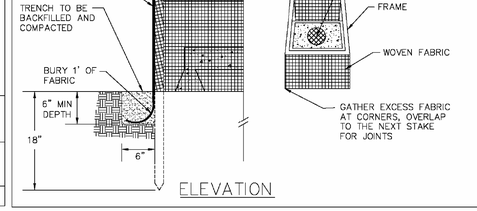
DESIGN CRITERIA

1. MAXIMUM DRAINAGE AREA – 1 ACRE.
2. MAXIMUM RUNOFF VELOCITY SHALL NOT EXCEED 5 FPS BASED ON 6-MONTH STORM EVENT.
3. THIS METHOD CAN ONLY BE USED IN THE LAST 2 MONTHS OF CONSTRUCTION DURING THE FINAL LANDSCAPING OF THE SITE.

St. Charles County
Erosion & Sediment Controls
Standard Drawings

AREA INLET PROTECTION SOD FILTER

DATE:	DRAWING
MARCH 2008	ESC-16



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™.

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AREA INLET PROTECTION FABRIC DROP

DATE:	DRAWING
MARCH 2008	ESC-14

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STATE OF MISSOURI
03/07/2022
TIMOTHY JOHN MEYER
NUMBER E-24665
TIMOTHY J MEYER
Professional Engineer
MO E-24665

INVERNESS

EROSION AND SILTATION CONTROL DETAILS

PHASE 3

1575 BRYAN RD.

Project # 22450

01/20/2022

C35

H:\CAD\22400-22499\22450\Imp\Plans\22450 - C35 Erosion and Siltation Control Details.dgn Master Model 3/7/2022 2:48:02 PM Plotted by: jestvos Plot Scale: 50.000000 ' / in. Plot Driver: Ver15.PDF.pltcfg