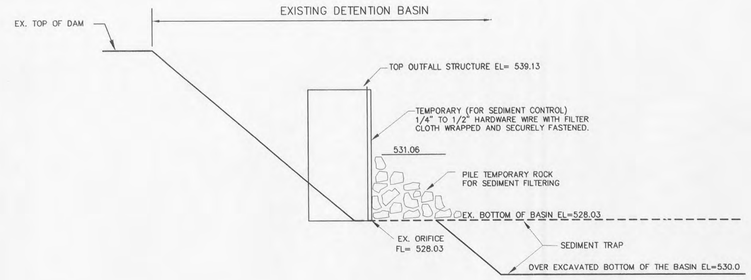


EXISTING DETENTION BASIN TO BE USED AS SEDIMENT BASIN

PER. ST. CHARLES CO.

1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
2. THE VOLUME OF SEDIMENT STORAGE SHALL BE 1800 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
6. ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.

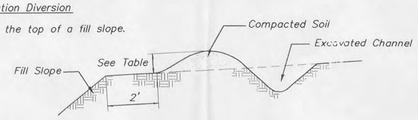
DIVERSIONS
For Urban Development Sites

APPENDIX B

Outlets for diversions must be stable. Stable outlets consist of grass waterways, earthen channels with capacity adequate to prevent gully erosion, grade stabilization structures or other practices as approved by the Designated Official.

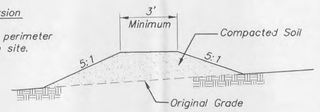
Combination Diversion

Used at the top of a fill slope.



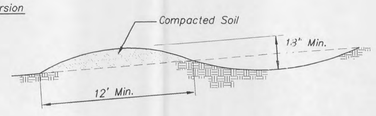
Earth Ridge Diversion

Used around the perimeter of a construction site.



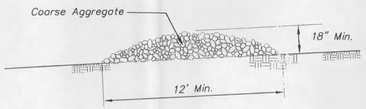
Combination Diversion

General use.



Gravel Ridge Diversion

General use.



APPENDIX A

Seeding Rates:

Permanent:

Tall Fescue – 30 lbs./ac.
Smooth Brome – 20 lbs./ac.
Combined: Fescue @ 15 lbs./ac. and Brome @ 10 lbs./ac.

Temporary:

Wheat or Rye – 150 lbs./ac. (3.5 lbs. per 1,000 square feet)
Oats – 120 lbs./ac. (2.75 lbs. per 1,000 square feet)

Seeding Periods:

Fescue or Brome – March 1 to June 1
August 1 to October 1

Wheat or Rye – March 15 to November 1
Oats – March 15 to September 15

Mulch rates: 100 lbs. per 1,000 sq. ft. (4,356 lbs. per acre)

Fertilizer rates: Nitrogen 30 lbs./ac.
Phosphate 30 lbs./ac.
Potassium 30 lbs./ac.
Lime 600 lbs./ac. ENM*

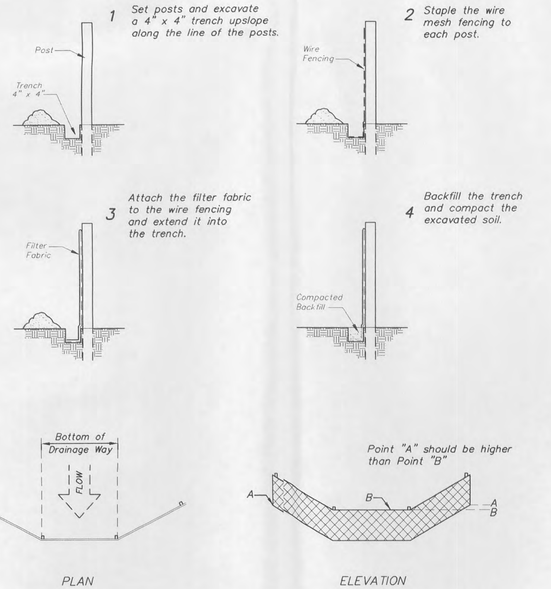
*ENM = effective neutralizing material as per State evaluation of quarried rock.

SYNTHETIC FILTER BARRIERS
For Urban Development Sites

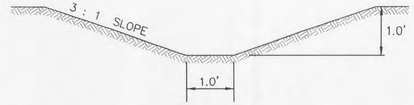
APPENDIX D

MAINTENANCE

1. *Filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.*
2. *Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.*
3. *Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier.*
4. *Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.*



Placement and Construction of a Synthetic Filter Barrier



DIVERSION SWALE

N.T.S.
n = 0.02

SWALE @ 1.0% – Q = 19.86 c.f.s.
SWALE @ 10.0% – Q = 62.79 c.f.s.

TYPICAL TEMPORARY DIVERSION SWALE

SWALE IS TO BE SEEDED.

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS
333 Mid Rivers Mall Drive
St. Peters, MO 63376
Phone (636) 397-1211
Fax (636) 397-1104

MEGAN CROSSING
MISSOURI STATE HIGHWAY K
OFALLON, MISSOURI

Prepared For:
G. J. GREWE, INC.
9109 WATSON ROAD
ST. LOUIS, MO
(314) 962-6300

REVISIONS
NO. | DATE

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 revisions after this date unless reauthenticated.

PICKETT, RAY & SILVER, INC
STATE OF MISSOURI
ERIC SCOTT KIRCHNER
E-2001004619
PROFESSIONAL ENGINEER
1/24/2005

DRAWN D.STOSZ	DATE 04-16-04
CHECKED D.BYRD	DATE 04-16-04
PROJECT # 0304.3.GJGR.00C	
TASK # 1	FIELD BOOK

MEGAN CROSSING
SILTATION/SEDIMENT CONTROL DETAILS
SHEET 11 OF 13

FILE #2002.04

\\3server\prj\Projects\03043\dwg\03043_SEDIMENT.dwg, 1/21/2005 4:22:36 PM, dstosz, XES8650.pc3