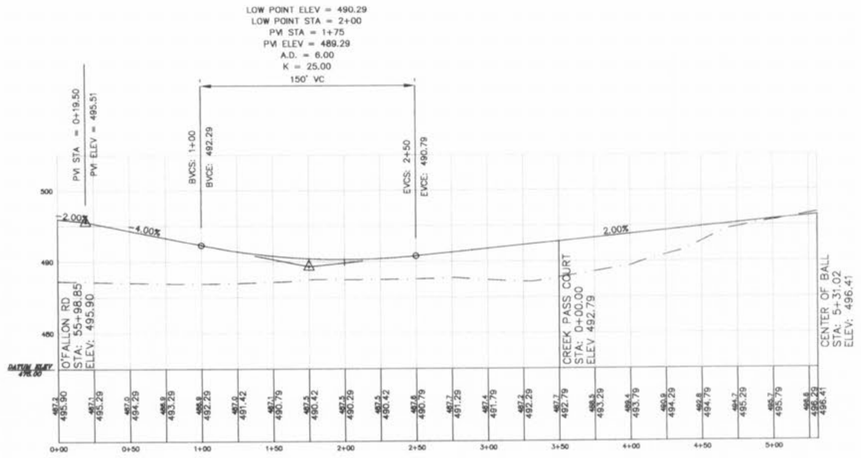
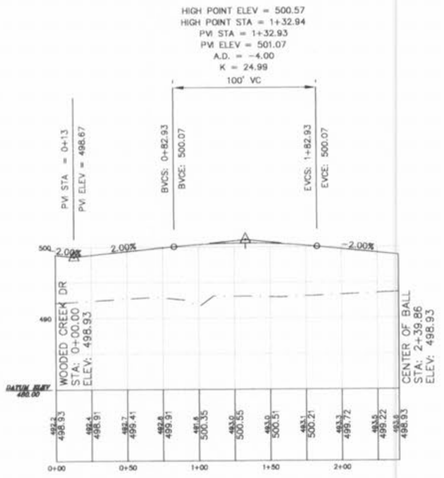
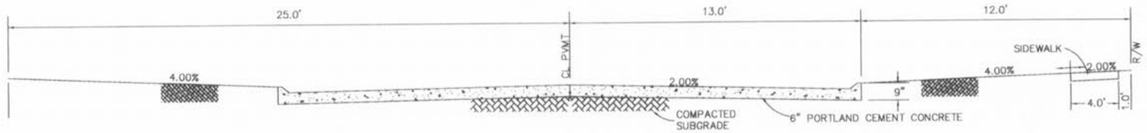


CREEK PASS DRIVE

CREEK PASS COURT



GROVE PASS COURT

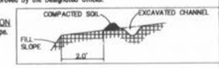


TYPICAL STREET SECTION

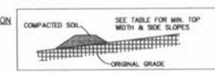
DIVERSION SWALES

** 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.

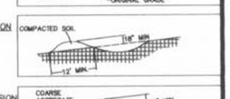
COMBINATION DIVERSION
Used at the top of a fill slope.



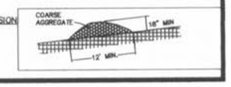
EARTH RIDGE DIVERSION
Used around the perimeter of a construction site.



COMBINATION DIVERSION
General use.



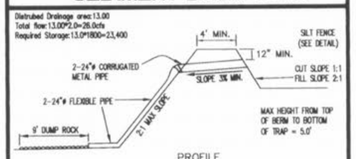
GRAVEL RIDGE DIVERSION
General use.



N.T.S.

PIPE SLOPE DRAIN FOR SEDIMENT BASIN P2-A

Distrubed Drainage area:13.00
Total flow:13.00*2.0=26.0cfs
Required Storage:13.0*1800=23,400



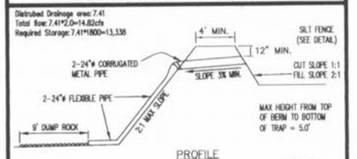
PROFILE

N.T.S.

1. See plan for location and length of pipe.
2. The top of the earth dike over the inlet pipe and those dikes carrying water to the pipe shall be at least 1' higher at all points than the top of the inlet pipe.
3. A siltation fence shall be constructed around pipe opening to prevent sediment from entering pipe.
4. The corrugated polyethylene pipe shall be securely anchored to the slope by staking at the hold-grommets spaced 10' on centers.
5. Follow-up inspection and any needed maintenance shall be performed after each storm.
6. Soil around and under the inlet pipe and entrance section shall be hand tamped in 4" lifts to the top of the earth dike.
7. Sediment shall be removed and 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.

PIPE SLOPE DRAIN FOR SEDIMENT BASIN P2-B

Distrubed Drainage area:7.41
Total flow:7.41*2.0=14.82cfs
Required Storage:7.41*1800=13,338



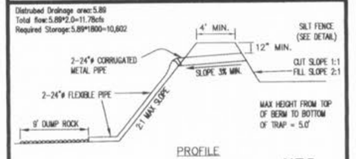
PROFILE

N.T.S.

1. See plan for location and length of pipe.
2. The top of the earth dike over the inlet pipe and those dikes carrying water to the pipe shall be at least 1' higher at all points than the top of the inlet pipe.
3. A siltation fence shall be constructed around pipe opening to prevent sediment from entering pipe.
4. The corrugated polyethylene pipe shall be securely anchored to the slope by staking at the hold-grommets spaced 10' on centers.
5. Follow-up inspection and any needed maintenance shall be performed after each storm.
6. Soil around and under the inlet pipe and entrance section shall be hand tamped in 4" lifts to the top of the earth dike.
7. Sediment shall be removed and 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.

PIPE SLOPE DRAIN FOR SEDIMENT BASIN P2-C

Distrubed Drainage area:5.89
Total flow:5.89*2.0=11.78cfs
Required Storage:5.89*1800=10,602



PROFILE

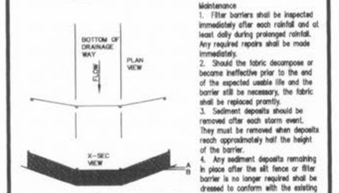
N.T.S.

1. See plan for location and length of pipe.
2. The top of the earth dike over the inlet pipe and those dikes carrying water to the pipe shall be at least 1' higher at all points than the top of the inlet pipe.
3. A siltation fence shall be constructed around pipe opening to prevent sediment from entering pipe.
4. The corrugated polyethylene pipe shall be securely anchored to the slope by staking at the hold-grommets spaced 10' on centers.
5. Follow-up inspection and any needed maintenance shall be performed after each storm.
6. Soil around and under the inlet pipe and entrance section shall be hand tamped in 4" lifts to the top of the earth dike.
7. Sediment shall be removed and 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.

SYNTHETIC FILTER BARRIERS

1. Set posts and excavate a 4"x4" trench upslope along the line of the posts.
2. Staple the wire mesh fencing to each post.

3. Attach the filter fabric to the wire fencing and extend it into the trench.
4. Backfill the trench and compact the excavated soil.



Elevation of points 'A' should be higher than 'B'

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.

VEGETATIVE ESTABLISHMENT FOR URBAN DEVELOPMENT SITES

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 1000 sq. ft.)
- Oats– 120 lbs./ac (2.75 lbs. per 1000 sq. ft.)

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.

O'FALLON FILE
NUMBER 1002.02

02/19/04 REVISED AS PER COMMENTS

STREET PROFILES
HIDDEN CREEK
PHASE 2

S|C|E|S ST. CHARLES ENGINEERING & SURVEYING, INC.
801 S. FIFTH STREET, SUITE 202
ST. CHARLES, MO 63301
TEL: (636) 947-0607 FAX: (636) 947-2448

STATE OF MISSOURI
KARL ANTHONY LUNDGREN
NUMBER PE-2003013309
12-24-08
PROFESSIONAL ENGINEER

ORDER NO.
02-0162-01
DATE
12/15/03
PH2-7