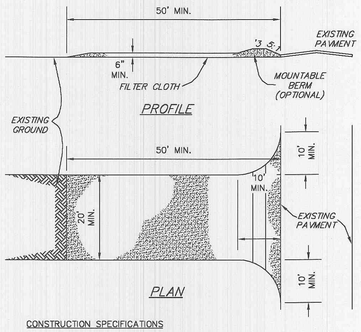
STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

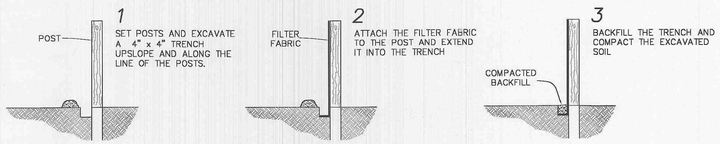


CONSTRUCTION SPECIFICATIONS

1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Twenty (20) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth – Will be placed over the entire area prior to placing of stone. Filter will no be required on a single family residence lot.
6. Surface Water – All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights–of–way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights–of–way must be removed immediately.
8. Washing – Wheels shall be cleaned to remove sediment prior to entrance onto public rights–of–way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

SILTATION FENCE DETAIL

NOT TO SCALE

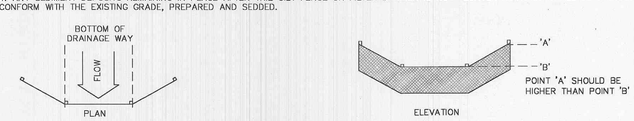


1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATLY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

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 PROMTLY.

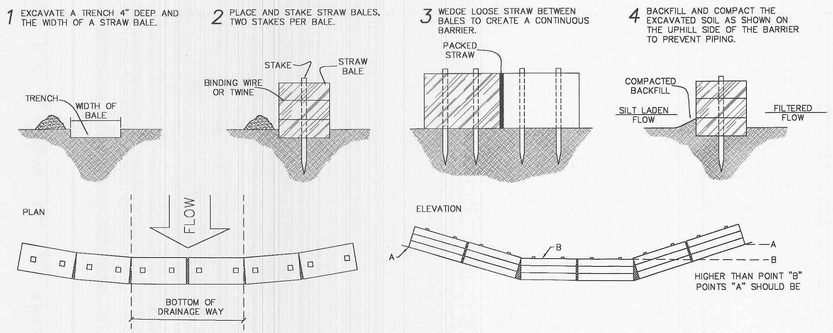
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.

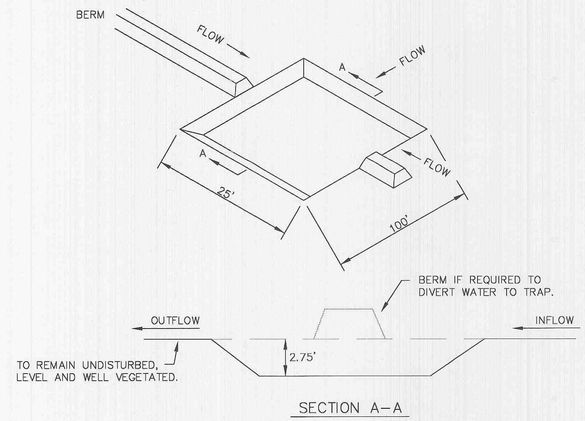
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THIE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEDDED.



STRAW BALE BARRIER DETAIL

NOT TO SCALE





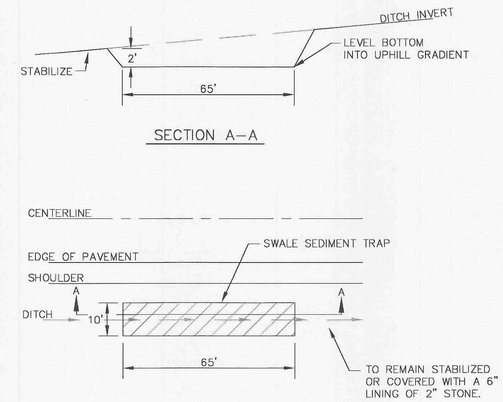
MAXIMUM DRAINAGE AREA: 5 ACRES

GRASS OUTLET SEDIMENT TRAP

NO SCALE

CONSTRUCTION SPECIFICATION FOR ST–II

1. Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage area.
2. Minimum crest width shall be 4 x Drainage Area.
3. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ¼ the design of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
6. The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
7. All cut slopes shall be 1:1 or flatter.



MAXIMUM DRAINAGE AREA: 2 ACRES

SWALE SEDIMENT TRAP

NO SCALE

CONSTRUCTION SPECIFICATION FOR ST–IV

1. The swale sediment trap shall be constructed in accordance with the dimensions provided on the design drawings or sized to provide the minimum storage necessary 1800 cubic feet of storage for each acre of drainage area.
2. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ¼ 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.
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 area stabilized when the contributory drainage area has been properly stabilized.
6. The swale sediment trap will be properly backfilled and the swale or ditch reconstructed.

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo

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1–800–344–7483
MISSOURI ONE–CALL SYSTEM, INC.

VEGETATIVE ESTABLISHMENT SPECIFICATIONS

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 square foot)
Oats – 120 lbs./ac. (2.75 lbs. per square foot)

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. feet (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.*

STATE OF MISSOURI JEFFREY R. SCHEER NUMBER PE-2004020214 REGISTERED PROFESSIONAL ENGINEER

ISSUE	DATE	REMARKS
2	5/11/05	REVISED PER CITY COMMENTS
3	7/29/05	REVISED PER CITY COMMENTS

The responsibility for professional engineering facility on this project is as specified in the agreement between the parties and is limited to the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions made after this date unless recertificated.

PREPARED BY:
LIBERTY ENGINEERING, L.L.C.
P.O. Box 2 - Cottleville, MO 63338 Phone: (636) 244-5333
RESIDENTIAL - COMMERCIAL - MUNICIPAL

PREPARED FOR:
KAPLAN DEVELOPMENT, LLC
P.O. BOX 340
ST. PETERS, MO 63376
(636) 946-6971

PROJECT:
WABASH AVENUE
ROAD IMPROVEMENTS
CONSTRUCTION DETAILS

PROJECT NO: 04021-01
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SHEET NO: 10 OF 12