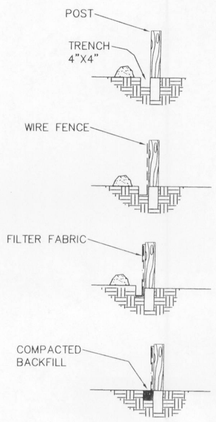
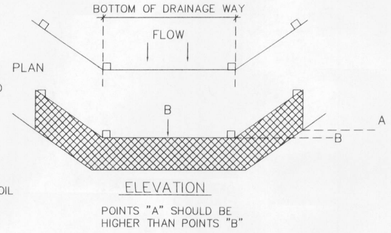
Install WEBTEC J-2 24" SILT FENCE on posts at 8 foot centers or equivalent product. Install as recommended by manufacturer. If equivalent product is not available, then use installation procedure outlined below.



1. SET POST AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF THE POST
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 COMPACTED THE EXCAVATED SOIL

MAINTENANCE

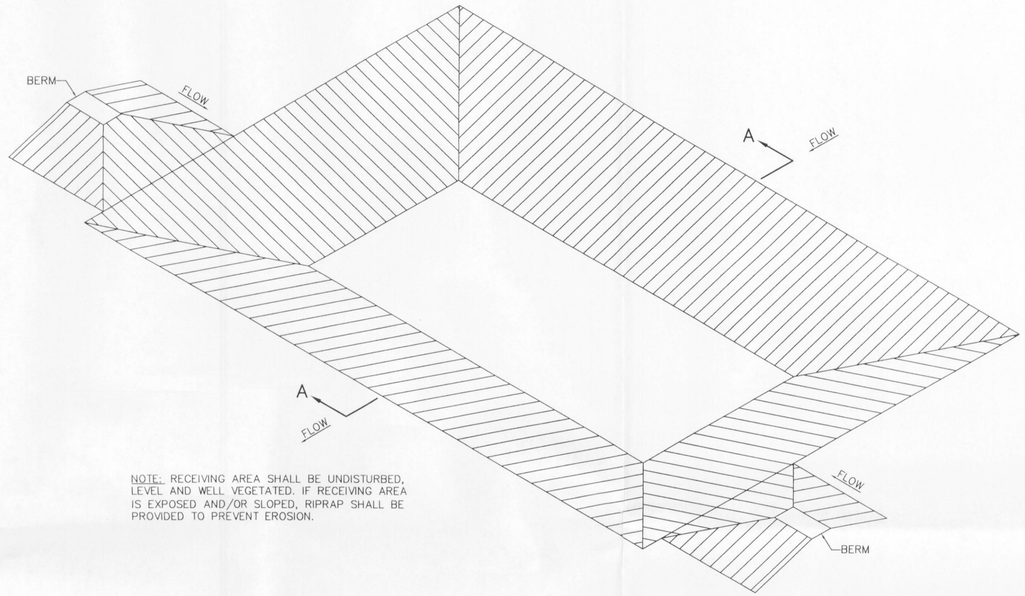
1. Filter barriers shall be inspected immediatly after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
2. Should the fabric decompose or become ineffeective prior to the end of the expected usable life and the barrier still be necessary, the 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.



POINTS "A" SHOULD BE HIGHER THAN POINTS "B"

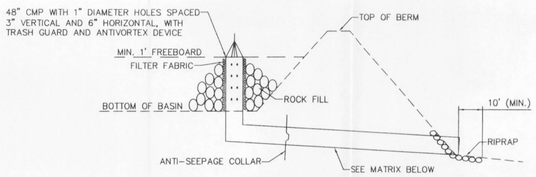
SYNTHETIC FILTER BARRIER
SILT FENCE AND DITCH CHECK

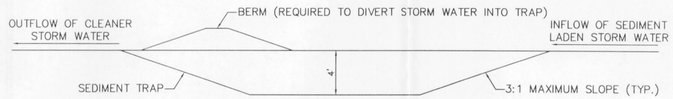
NOT TO SCALE



NOTE: RECEIVING AREA SHALL BE UNDISTURBED, LEVEL AND WELL VEGETATED. IF RECEIVING AREA IS EXPOSED AND/OR SLOPED, RIPRAP SHALL BE PROVIDED TO PREVENT EROSION.

ISOMETRIC VIEW





SECTION A-A

1. The swale sediment trap shall be to the dimensions provided in the "Silt Basins" table, Sheet 9.
2. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to $\frac{1}{2}$ 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.
3. The sediment trap shall be inspected after each rain and repairs shall be made as required.
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 contributory drainage area has been properly stabilized.

MAXIMUM DRAINAGE AREA: 5 ACRES

SEDIMENT TRAP

NOT TO SCALE

SILT BASINS									
BASIN NUMBER	TRIBUTARY AREA	P.I.	Q	PIPE SIZE	MINIMUM PIPE SLOPE	Q CAPACITY	VELOCITY	BASIN DEPTH	REMARKS
1	7.71 Acres	1.7 cfs/Acre	13.11 cfs	24" CMP	1.00%	8.58 cfs	2.47 fps	4'	SILT TRAP (40'x100')
2	5.04 Acres	1.7 cfs/Acre	8.57 cfs	21" CMP	1.00%	3.50 cfs	2.23 fps	4'	SILT TRAP (40'x57'±)

SILT BASINS									
BASIN NUMBER	TRIBUTARY AREA	TRIBUTARY VOLUME	BASIN BOTTOM AREA	STORAGE SURFACE AREA	STORAGE DEPTH	STORAGE VOLUME	BASIN DEPTH	FREEBOARD	REMARKS
1	7.71 Acres	13,878 C.F.	1,063 S.F.	5,239 S.F.	5'	14,436 C.F.	±0.5'	1'	TEMPORARY SILT BASIN
2	5.04 Acres	9,072 C.F.	844 S.F.	3,219 S.F.	5'	9,519 C.F.	±0.5'	1'	TEMPORARY SILT BASIN

NOTES:

1. SILT ACCUMULATION ("TRIBUTARY VOLUME") HAS BEEN CALCULATED AT THE RATE OF 1800 CUBIC FEET PER ACRE OF TRIBUTARY AREA.
2. STORAGE VOLUMES HAVE BEEN CALCULATED BY THE EQUATION $V=1/3x[A1+A2+(A1xA2)^{0.5}]xH$, BASED UPON CONTOUR INFORMATION.
3. ALL CHANNELS AND SILT TRAP SIDE SLOPES ARE 3 HORIZONTAL TO 1 VERTICAL.
5. ALL SILT CONTAINMENTS PROVIDE A MINIMUM OF 1' FREEBOARD.

ENGINEERS CERTIFICATION:

The following applies to ALL sheets and documents involved in the preparation of the plans and documents for this project. The responsibility for Professional Engineering liability on this project is limited to the set of plans displaying the signature and an original stamped seal of the Engineer on each sheet. ALL reponsibility is Disclaimed: until ALL review agency approvals are granted; for all other plan sheets issued prior to this plan set date; for this set when another set is issued after this date; if the sheets are used individually instead of a set. This applies for ALL sheets and documents involved in this project whether this statement appears on them or not.

STATE OF MISSOURI ROBERT E. BAXTER NUMBER E-25639 REGISTERED PROFESSIONAL ENGINEER

ROBERT E. BAXTER # 25639 DATE 7/7/05