Best Management Practices (BMPs): *Sediment*

LAND AND DRAINAGE ALTERATION PROGRAM (**LDAP**)

Sediment Fence

Slows sheet flows from a site and catches large sediment particles. Use for light flows.

INSTALLATION STEPS:

1) Excavate a trench two (2) inches in width and six (6) inches in depth parallel to the slope contour and perpendicular to flow.

2) Stake the sediment fence on the downhill side of the trench and extend a minimum of six (6) inches of fabric below grade.

3) To join two sections of fence, overlap the stakes and twist in two full rotations to create a solid joint.

4) Backfill the trench on the uphill side of the fence and compact the trenched area.

For more BMP examples, see Springfield's "Engineering Design Standards and Procedures Manual" Chapter 8.

Posts (*) at 4' Max. spacing

Filter fabric Material (**)

2' Min.

FLOW

Backfilled trench

For additional strength, filter fabric material may be attached to woven wire fencing with minimum wire gauge between 9 and 14 and maximum mesh spacing of 6" which has been fastened to the post.

(*) POSTS
- MIN. LENGTH 4'
- HARDWOOD 1 3/16" x 1 3/16"
- PINE 2 5/8" x 2 5/8"
- STEEL 1.33 LB/FT

(**) – Geotextile Fabric shall meet the requirements of AASHTO M288

4' min length post at 4' max spacing

Geotextile fabric 3' wide

Staples, plastic zip ties or other material approved by the field engineer, (50 lb tensile strength) located in top 8"

Tire compaction zone

Direction of Flow

2' Min. Post embedment (See Note 6.)

Machine slice 6" – 12" depth