**Construction Best Management Practices (BMPs)**

**Protect Natural Features**
Minimize the amount of exposed soil and the extent of clearing.
Identify and protect areas where existing vegetation, such as trees, will not be disturbed by construction activity.
Minimize compaction of soil by limiting heavy equipment use to specific areas; restore any damaged areas.
Protect streams, stream buffers, wild woodlands, wetlands, or other sensitive areas from disturbance by fencing or otherwise clearly marking these areas.

**Construction Phasing**
Sequence construction activities so that the soil is not exposed for long periods of time.
Limit grading to small areas.
Install key sediment control practices before site grading, such as silt fences (black mesh about six inches into dirt).
Schedule site stabilization activities, such as landscaping, to be completed immediately after the land has been graded to its final contour.

**Plant Vegetative Buffers**
Protect and install vegetative buffers along water bodies to slow and filter storm water runoff.
Maintain buffers by replanting if needed.

**Site Stabilization**
Apply temporary stabilization to rough-graded areas.
Plant, mulch, or otherwise stabilize all exposed areas as soon as land alterations have been completed.

**Protect Storm Drain Inlet**
Use appropriate controls to prevent sediment, debris, and trash from entering storm water system.
If you use inlet filters, maintain them regularly.

**Dirt Stockpiles**
Cover or seed all dirt stockpiles.
Surround dirt stockpile with silt fence.

**Prevent Erosion**
Terrace slopes.
Break up long slopes with sediment barriers or divert storm water away from slopes.

**Plan Construction Entrances**
Utilize construction exits to minimize vehicle tracking of mud and dirt offsite.
Use properly sized entrances for all anticipated vehicles.
Use geotextile beneath entrance along with 2” to 3” gravel.

** Maintain your BMPs!**

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This project is funded, in part, under an agreement with the Tennessee Department of Agriculture, Nonpoint Source Program, and the U.S. Environmental Protection Agency, Assistance Agreement #C0994674-03-0.
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Plan construction entrances to limit runoff.

Cover or seed dirt stockpiles.

Stabilize exposed areas with vegetation.

Reduce slope steepness and length by terracing. Use diversion to route clean water away from disturbed areas.

Landscape after final grading to stabilize exposed areas.

Install and maintain appropriate sediment controls.

Recycle as much waste as possible.

Protect and maintain proper controls at storm drain inlets.

Physically remove sediment from street or drainage structures immediately.

Protect existing vegetation.

Use 2-3" sized gravel with geotextile beneath gravel.

For more information, visit http://www.epa.gov/npdes/stormwater/menuofbmps

Protect streams with adequate buffers to limit runoff.

Clean water begins on site...

www.tennesseewaterworks.com  615-898-2660