Construction Best Management Practices (BMPs)

Protect Natural Features

Minimize the amount of exposed soil and the extent of clearing by 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 soil is not exposed for long durations by limiting 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

Install vegetative buffers along water bodies to slow and filter storm water runoff and 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. Use inlet filters and maintain them regularly.

Dirt Stockpiles

Cover or seed all dirt stockpiles and surround dirt stockpiles with silt fence.

Prevent Erosion

Use terrace style slopes, break up long slopes with sediment barriers, and 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 and geotextile beneath entrance along with 2” to 3” gravel.

Maintain your BMPs!

WaterWorks!

mtsu.edu/waterworks

615-898-2660

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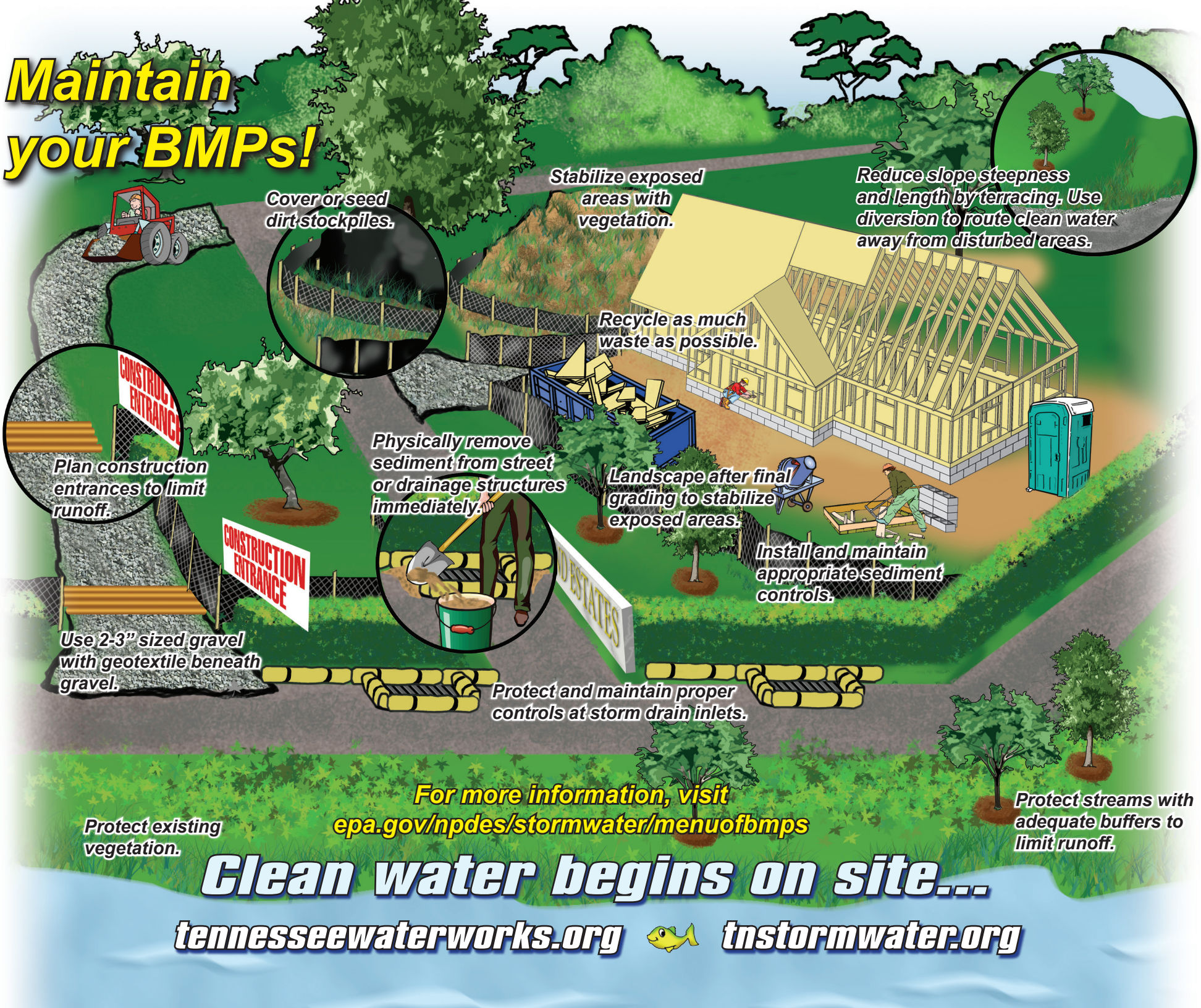
TENNESSEE CONSTRUCTION GUIDE TO CLEANER WATER


Maintain your BMPs!
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.
Recycle as much waste as possible.
CONSTRUCTION ENTRANCE
Plan construction entrances to limit runoff.
Physically remove sediment from street or drainage structures immediately.
Landscape after final grading to stabilize exposed areas.
CONSTRUCTION ENTRANCE
Install and maintain appropriate sediment controls.
Use 2-3" sized gravel with geotextile beneath gravel.
Protect and maintain proper controls at storm drain inlets.
For more information, visit
epa.gov/npdes/stormwater/menuofbmps
Protect existing vegetation.
Protect streams with adequate buffers to limit runoff.
Clean water begins on site...
tennesseewaterworks.org
tnstormwater.org