

## Reducing the Impact of Polluting Materials

### Soil Erosion and Sedimentation Control Plan—Most construction activity requires a SESC plan prior to start of work. One may have been prepared prior to the award of a contract or preparation may be a contract requirement. Either way, all construction must be in accordance with the SESC Plan and permit from the Berrien County Drain Commissioner. All earth disturbances must comply with MDEQ Part 91 Rules.

**BMPs—Utilize Best Management Practices (BMPs) such as, silt fence, erosion control**

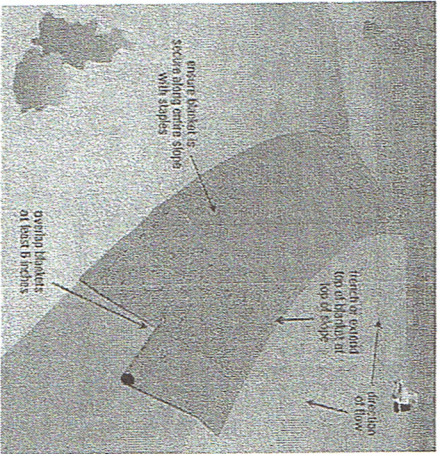


Illustration of erosion control blankets installed on a slope. from U.S. EPA publication, "Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites," Document No. EPA-833-R-060-04

blankets, various geosynthetic products, polyacrylamides, and/or other BMPs that will ensure the temporary stabilization of the soil until permanent vegetation can be established. Make sure all workers know about the BMPs on site and keep the BMPs properly maintained.

**Storm Water Treatment—Specialized treatment technologies are available to remove pollutants from storm water. Selection and use of these technologies should be in accordance with specifications of a qualified professional. These technologies include: oil/water separators, sedimentation basins, filtration systems, chemical coagulation systems, polymer logs, and capture systems for off-site treatment.**

### Reporting the Release of Polluting Materials

When polluting substances are spilled or released by a contractor or a contractor's employee that cannot be immediately contained and removed, it must be reported upon discovery. All such incidents shall be reported to the Village of Grand Beach by contacting:

Ms. Mary Robertson at (269) 469 3141.

When spills or releases of polluting substances are observed by a contractor or a contractor's employee, but caused by others, then reporting to The Village of Grand Beach is encouraged.

Spills or releases that may cause a threat to the health or safety of the public shall be reported immediately to 911.

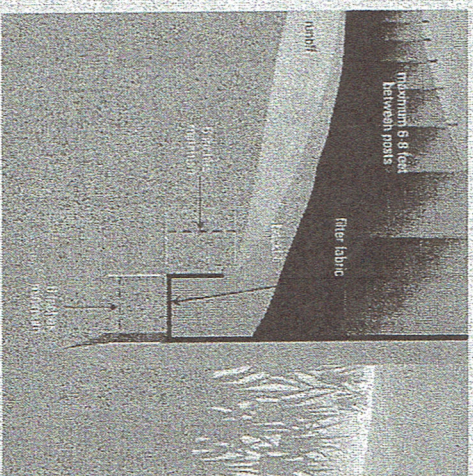
### The Village of Grand Beach

48200 Perkins Blvd  
Grand Beach, MI 49117

May Robertson, Stormwater Coordinator  
Phone: (269) 469 3141  
Fax: (269) 469 0146  
E-mail: [clerk@grandbeach.org](mailto:clerk@grandbeach.org)

## The Village of Grand Beach

### What Every Earth Work Contractor Must Know About Storm Water



from U.S. EPA publication, "Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites," Document No. EPA-833-R-060-04

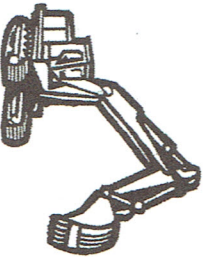
### Protecting the Water Quality of Lake Michigan

Keep it **BLUE**

only rain in the drain

# The Village of Grand Beach Is Regulated by the US EPA and Michigan DEQ. So You Are, Too. Help Prevent Water Pollution.

**Before commencing earthwork** or an excavation in the Village of Grand Beach, you must be familiar with the potential storm water pollution sources

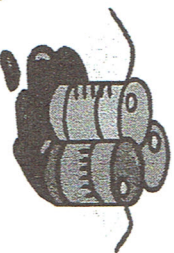


that may be encountered during the course of your work. There are methods and tools that can be utilized to prevent the release of these polluting substances. If prevention is not possible there are means to treat the polluting substances to reduce the impact of the release. If polluting substances are released in harmful quantities, then the release must be reported to the proper authority.

## Potential Storm Water Pollution Sources

**Sediment**—Sediment is a word used to describe pollution caused by soil erosion. In other words, when soil or dirt is washed into the waterways it is called sediment. Sediment is one of the most serious water pollution problems in Michigan today. Sediment can smother the eggs of fish and aquatic insects, phosphorus attached to the soil particles can cause excessive nutrient enrichment, and bacteria in the soil can be a public health concern.

**Spills**—In the course of almost any project, various pollutants may be spilled. Examples include: oil, hydraulic fluid, gasoline or diesel, paint or solvents, tar, adhesives or bonding agents, herbicides or pesticides, salts, and chemicals. Before bringing these materials onto a job site, someone present must be trained on the proper procedures for cleaning up spills. Clean-up kits must be on site.



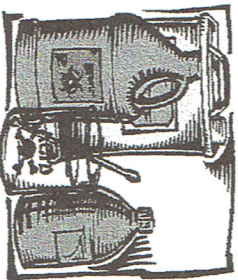
**Sanitary Sewage**—When portable toilets are brought to the job site, they should be properly secured to avoid spillage.

**Construction Debris**—Pallets, cardboard, styrofoam, buckets, tubes, crates, straw, plasterboard, wrappers, scrap wood/pipe, cans, jugs, sawdust, spent batteries, etc.

These materials should be contained in a water-tight roll-off box or dumpster. Better yet, recycling these materials is highly encouraged.

## Methods and Tools to Prevent Release of Polluting Materials

**Awareness**—Be aware of the potentially polluting materials on the job site and the drainage patterns leading to waterways. Use common sense to keep these materials away from storm water and drainage ways as much as possible.



**Vegetated Buffer**—Keep a well vegetated buffer strip between spoil piles and drainage ways. Similarly, keep other polluting materials away from storm water flow paths.

**Staging Activity**—Do not disturb any more vegetation at a time than is necessary to do the job. Stabilize disturbed earth as soon as possible, then move on to the next stage of the project.

**Secondary Containment**—Store all oil and fuel inside a special containment area to prevent spills from reaching the environment.

The Village of Grand Beach  
48200 Perkins Blvd.  
Grand Beach, MI 49112

**REPORT POLLUTION PROBLEMS TO:**  
Ms. Mary Robertson  
Stormwater Coordinator  
Phone: (269) 469 3141  
Fax: (269) 469 0146  
E-mail: [clerk@grandbeach.org](mailto:clerk@grandbeach.org)