

**Board of Stark County  
Commissioners Storm Water  
Education Program  
330-451-7405**

**Stark County Storm Water  
Public Involvement/  
Public Education (P.I.P.E.)  
Committee Members:**

City of Alliance

City of Canton

Village of East Canton

Jackson Township

Keep Alliance Beautiful

Perry Township

Plain Township

Stark County Health Department

Stark County Park District

Stark County Soil & Water  
Conservation District

Stark County Regional  
Planning Commission

2013

**"Divert the Dirt"  
Sediment Control**



Stark County, Ohio



## Sediment Control



### What is sediment control?

It is an installed practice or device designed to keep eroded soil on a construction site, so that it does not wash off and cause water pollution to a nearby stream, river, lake, wetland, or your property. Sediment controls usually work in conjunction with erosion controls. They must be installed correctly and maintained regularly.

Erosion is the wearing away of soil by water or wind. After soil has been worn away, it is washed away by runoff water, while the heavier sediment is left behind. As creeks and streams fill with sediment, the flow capacity of the stream is diminished, and the risk of flooding is increased. The sediment reduces the amount of light that aquatic plants can use for photosynthesis, spreads pollution and covers over breeding and feeding environments for fish. The effects of excessive erosion and sedimentation affect humans, plants, and animals.

### Examples of Sediment Control Devices

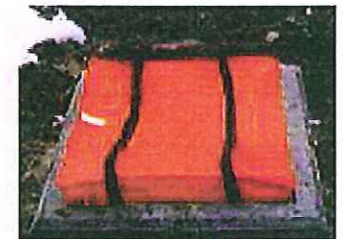
Vegetation and trees help keep soil in place and prevent runoff by soaking up water. Natural land features such as inclines direct the flow of water and natural mulch, such as leaves and pine bark also retains soil.

Silt fences are the most common solution. They keep sediment from washing into streets and stormdrains.



Curb inlet protectors keep out sediment throughout the entire construction project.

This protector is used with flat grates and mountable curbs to filter out all sediment laden storm water.



This open-top bag is designed to hang underneath a storm grate to filter the thickest sediment-laden storm water.



Sediment ponds are often used. The storm water that enters the pond comes very fast during a storm and the water slowly releases over a period of time leaving the sediment behind. Unfortunately, they can be tempting to children and pets. The sediment can be very mucky and a person or pet can get stuck if they try to go in the pond.