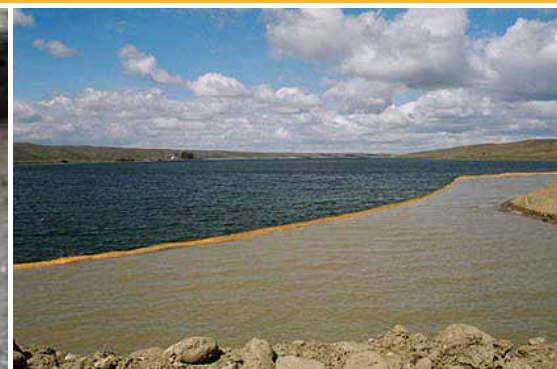




# [ SEDIMENT CONTROL ]



Erosion and sediment control uses the widest variety of products in the geosynthetics market. There are an amazing number of unique ideas that are used to stop erosion or to prevent the release of sediment into the environment. Layfield has assembled a range of products that can help you control erosion and sediment.

[LayfieldConstructionProducts.com](http://LayfieldConstructionProducts.com)



## SPRING BERM

Layfield Spring Berms are used in channels and highway ditches to reduce the flow velocity of water and

to reduce erosion. Spring Berms

are made from a tubular fabric body with skirts extending from both upstream and downstream sides for anchoring the barrier to the ground. The fabric is designed to slow down the flow velocity of water in the channel and to trap sediment. Layfield recommends the Spring Berm be used in conjunction with an erosion control blanket.

### Features:

- Lightweight, compact silt control device
- Reduces runoff flow velocity and retains silt
- Requires no posts or trenching

### Applications:

- Stormwater channels and ditches
- Silt control on slopes
- Construction site silt containment

## STRAW WATTLE

Straw wattles are an effective and economical alternative to silt fence and straw bales for sediment control and stormwater runoff. Straw



Wattles can be left on site to biodegrade, adding organic material to the soil and moisture to enhance vegetation.

They are manufactured into flexible cylinders with agricultural straw and polypropylene net and easily installed with wooden stakes along the contour of newly constructed or disturbed slopes.

### Features:

- Reduces velocity and suspended soils
- Control runoff by diverting flow
- Lasts up to two years

### Applications:

- Stormwater runoff (ditches or perimeter control)
- Protects against slope erosion
- Prevents downstream and off-site sedimentation



## SILT BAG

The Silt Bag is designed to filter water as it is pumped from a storage site, removing hazardous materials such as silt before they can damage the

environment. Layfield's silt bag is an economical choice for preventing costly clean up of a storm water system.

Once fully drained, the Silt Bag and it's contents can be disposed of as a solid waste, an economical alternative to waste water or sludge disposal. The contents of the Silt Bag can also be returned to the soil on your site, eliminating waste disposal costs altogether.



## Features:

- Removes silt from water being pumped
- Easy to use and less expensive than a silt pond
- Custom sizes are available

## Applications:

- Separate silts from pumped water
- Low volume dewatering on construction sites

## SILT FENCE

Silt Fences are temporary sediment control devices that are designed to prevent the release of silt from a construction site. Silt Fences prevent silt contamination of sensitive areas such as neighboring properties, streams, and catch basins. They are most often used on sites where the soil has been stripped of natural vegetation. The bare soil is easily eroded and can lead to the loss of large quantities of silt during a rainstorm or other run-off event. Silt Fences can be prefabricated to wood stakes or attached to welded wire which can be installed with steel t-posts (as pictured).



## Features:

- UV stable black fence fabric
- Logo printing available

## Applications:

- Keeps silt from leaving construction sites
- Protects streams and waterways
- Creates a physical barrier around site



## CATCH BASIN DONUTS

Catch basin donuts (CBD's) are a sediment control device

that is installed on top of the catch basin to collect the silt and sediments, while allowing water to pass through freely. These newly designed CBD's will prevent the pooling of water during heavy rainfalls and will allow for a much higher flow rate. The filter fabric wraps around the grate and is fastened with the attached belting and buckles. The protected grate is then reinserted into the frame support.

## Features:

- Prevents dirt and sediment from flowing into stormwater systems
- Easy installation & maintenance

## Applications:

- Stormwater near construction sites

## FLOATING SILT CURTAINS

Floating Silt Curtains (FSC) help prevent particulate materials from leaving the immediate area of construction in the water. A sturdy FSC filter



fabric will protect aquatic environments, and help protect you from costly environmental clean up work and liability from environmental damage.

The float and bottom sleeve of the FSC are wrapped with UV stable, high strength RPE materials for durability. Floating Silt Curtains are applicable for low flow or standing water applications.

### Features:

- Light-weight low cost silt control for water
- Clip together to make any length
- Curtain does not absorb water and become heavy

### Applications:

- Silt control when working in water
- Temporary silt protection
- For use in still water and parallel to flow only



## TURBIDITY CURTAINS

Our turbidity curtains are preassembled devices which include floatation, geotextile /geomembrane body

panels, load lines, bottom ballast and connection hardware. These devices may be deployed in areas where sediment discharge to a stream is unavoidable. They are commonly used within a water body to protect against sediment migration from construction areas into the rest of the water body.

Our Turbidity Curtains are designed to effectively deflect and contain sediment within a limited area and to provide sufficient retention time for the sediment particles to settle out.

### Features:

- Bright yellow reinforced vinyl construction
- Can connect to almost any length
- Preassembled with floats and chain in place

### Applications:

- Sediment control during dredging operations
- Prevent sediment escape during shoreline construction
- Tidal and non-tidal waterways

## BENEFITS OF WORKING WITH LAYFIELD



Our fabrication plants and distribution centres are located in convenient locations across North America.



Layfield is innovating ways to enhance the quality of our existing products & developing new and specialized materials & liners.



Layfield has achieved "Approved Installation Contractor" status through the International Association of Geosynthetic Installers.