

Don't Let Your Money Go Down the Drain

Erosion is a costly problem. Eroding construction sites are a leading cause of water quality problems in Oklahoma. For every acre under construction, about a dump truck and a half of soil washes into nearby streams and creeks unless the contractor uses erosion controls.



Problems caused by eroded soil in the drainage system include:

- *Local Taxes* - Cleaning up sediment in streets, storm drains and ditches adds extra costs to City budgets
- *Dredging* - The expense of dredging sediment from lakes and detention ponds is a heavy burden for builders, developers, and home owner associations
- *Lower Property Values* - Neighboring property values are damaged when a stream or drainage channel fills with sediment. Shallow areas encourage weed growth and breeds mosquitoes

The Bigger Picture

More is preventing stormwater pollution through a comprehensive stormwater management program. This program addresses stormwater pollution from construction, but it also deals with issues such as illegal dumping to the storm sewer system and municipal operations. The program places a high priority on public education and participation to help ensure that the only thing that stormwater contributes to our streams is ...water!

Warning! Extra erosion control measures may be needed if your site:

- Discharges to an Impacted Stream.
- Includes a drainage ditch, flume, or swale
- Is steep (slopes of 12% or more)

For More Information

Contact the City of Moore
at
405.793.5053

or visit

www.cityofmoore.com/stormwatersavvy



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An Ounce of Prevention

Rain that falls onto construction sites is likely to carry away soil particles and other toxic chemicals present on construction sites (oil, grease, hazardous wastes, fuel). Stormwater, if not properly managed, carries these pollutants to streams, rivers, and lakes. Erosion and sediment control practices can serve as a first line of defense, minimizing clean-up and maintenance costs, and the impacts to the water resources caused by soil erosion during active construction.

Controlling Erosion and Sedimentation

Erosion control is important for all construction sites. The materials needed are easy to find and relatively inexpensive- straw bales or silt fence, stakes, rock, grass seed, mulch, sod, or geo-textiles. Putting these materials to use is a straight forward process. Simply identify any drainage swales, flumes, bar ditches, and/or storm drain inlets, and protect them. Only a few controls are needed on most sites, however, all erosion controls must be maintained daily.

- Silt fence
- Construction entrance/exit
- Sand bags or mesh at inlets and flumes
- Strip sodding around curbs and flumes

Don't Get Caught Unprepared

By applying and receiving your building permit, you have agreed to comply with all local, state, and federal laws concerning stormwater. But this isn't as complicated as it sounds.

The City of Moore requires that all builders utilize appropriate erosion control techniques for their site, and that any sediment that leaves the building site (lot) after a rain is cleaned up in a timely manner. **THIS IS YOUR RESPONSIBILITY.**

The building inspectors may give you a verbal warning when your project is in violation, but they are not required to. Failure to comply with erosion control measures may result in inspections being stopped, City fines, or an ODEQ visit.

