

Erosion & Sediment Control

The City has adopted "Erosion and Sediment Control Standards for Construction Activities" which establish requirements to eliminate and/or minimize erosion and sediment from a construction site. The City also has approved the use of the California Stormwater Quality Association (CASQA) Stormwater Best Management Practice Handbook for Construction, which provides guidance to the Developer, Contractor, and Engineer in the selection and implementation of erosion and sediment control measures. The engineer and developer must apply Best Management Practices (BMPs) in the grading design to control erosion and sediment from a construction site and submit an Erosion Control Plan for all construction projects regardless of size.

If projects disturb more than an acre of land, the project must obtain coverage under the State Water Resources Control Board (SWRCB) Construction Activity General Permit. To obtain coverage, a Notice of Intent (NOI) must be filed with the SWRCB. The Construction General Permit also requires that a Stormwater Pollution Prevention Plan (SWPPP) be prepared for the construction site. The SWPPP must identify appropriate stormwater pollution prevention measures or Best Management Practices to be implemented at the construction site to reduce pollutants in stormwater discharge. For more information on the General Construction Permit, Call the State Water Resources Control Board's Stormwater Information Line at (916) 341-5537.

Development Resources

Departments & Divisions:

Community & Economic Development

Building & Development (209) 577-5232
Planning (209) 577-5267
Land Development (209) 577-5462
Engineering
Infrastructure Financing (209) 577-5211
Programs Administration

Fire Department

Fire Prevention (209) 571-5553

Parks, Recreation & Neighborhoods

Parks Planning & (209) 571-5573
Development Division

Public Works

Main Number (209) 571-5569

Online Development Information:

City of Modesto Development Center
www.modestogov.com/development

Community & Economic Development
www.modestogov.com/ced

Fire Department
www.modestogov.com/mfd

Parks, Recreation & Neighborhoods
www.modestogov.com/prnd

Public Works
www.modestogov.com/pwd

City of Modesto Web Site
www.modestogov.com



CITY OF MODESTO
DEVELOPMENTCENTER

Sediment & Erosion Control Standards

For construction
activities

www.modestogov.com/development

This brochure is provided by the:
Public Work Department
1010 Tenth Street, Suite 4100
Modesto, CA 95354
(209) 571-5569

General Information

Treatment control measures are designed based on flow rates or volume of runoff. Those designs based on flow are to be designed for the water quality flow, and those designed based on volume are to be designed as the peak flow from the 2-year/6 hour storm event of the contributing area directly connected to the treatment control measure. For the Modesto area, the average rainfall intensity associated with this storm event is 0.15 in/h. The water quality volume is defined as the first 0.5 inches of runoff from the contributing drainage area that is directly connected to the storm drain system. The focus is predominantly impervious surfaces (excluding rooftops when designed to drain directly to the City storm drain system).

However, the water quality flow or volume is to include all runoff volume from other on-site impervious areas, pervious areas and any off-site flows that may contribute runoff to the control measure. The treatment control measures are to be sized for the water quality flow or volume only. Flows in excess of the water quality flow or volume are to be diverted around or through the treatment control measure. (Note- The diversion shall not collect pollutants and flush them through the treatment control measure.)

The landowner is responsible for the operation and maintenance of the treatment control measures. Failure to

properly operate and maintain the measures could result in no treatment of stormwater runoff, or a slug loading of pollutants to the City storm drain system. To protect against failure, a Maintenance Plan must be developed and implemented for all treatment control measures. The Plan must be made available at the City's request. In addition, a Stormwater Treatment Device Access and Maintenance Agreement will be required for all new development stormwater treatment controls. The Access and Maintenance Agreement is available on the City web site.

In addition to maintenance, the City may require water quality monitoring agreements for any of the treatment control measures. Monitoring may be conducted by the site operator, the City or both. Monitoring may be required for a period of time to help the City evaluate the effectiveness of the treatment control measures in reducing pollutants in stormwater runoff.

Inspections

The majority of inspections will be by Building Inspection and Construction Administration during the course of their regular inspections. Any infractions will be pointed out to the site supervisor during their normal inspection. Building and Construction Administration staff inspectors will be forwarding all storm water related findings to the city stormwater inspectors. Serious infractions will be followed up by a site visit from our storm water inspectors.

Permits

The process and sequence required to obtain the grading permit from the City is as follows:

1. Engineer Completes & Submits Grading Plans
2. Developer submits a Notice of Intent (NOI) to the State Water Resources Control Board (for 1 acre or greater). One copy of the NOI and SWPPP must be provided to Development Services, Stormwater, for review prior to obtaining a grading permit
3. Contractor, Developer, or Engineer pulls a grading permit from Development Services Division. Fees based on the UBC, a copy of the NOI, SWPPP, and 3 sets of Grading Plans are required.
4. Contractor begins grading operation. The grading contractor shall maintain a copy of the SWPP Plan on-site during the construction. All subcontractors on-site shall be informed to the location of this document and the requirements of this document. When the general site contractor completes his or her work and turns over the supervisory duty to the building contractor, the plan's maintenance and execution shall become part of the building contractor's responsibility.

Have questions?

We're here to help! Contact
Public Works at
(209) 577-5200

