

# *Boone County, Missouri*

## Development Less than One Acre

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Photo courtesy of Kliethermes Homes & Remodeling, Inc.

## Land Disturbance & Erosion and Sediment Control Standards

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## INTRODUCTION

This brochure is intended to help you understand how and when to install erosion and sediment Best Management Practices (BMPs) acceptable for residential building construction within the unincorporated areas of Boone County. It is not intended to address all circumstances.

Sediment from construction sites must not leave the site or enter streams, drainage ways or environmentally sensitive areas. Private and public property downstream or slope of the construction site must also be protected against erosion during construction.

In some cases, a Stormwater Pollution Prevention Plan (SWPPP) may be in effect for your lot in accordance with a subdivision development or other land disturbance activities. Check with the owner or developer to obtain a copy of the SWPPP, as you may be responsible for the portion of the land disturbance permit that affects your lot.

### Who to Contact for More Information

Boone County inspection staff are available to answer any questions you may have about erosion and sediment control stabilization measures. For more information, contact the Resource Management office at 573-886-4339.

## **BUILDING PERMITTEE RESPONSIBILITIES**

1. Erosion and sediment control devices must remain functional until the site is permanently stabilized.
2. The permittee is responsible for all on-going maintenance of erosion and sediment control devices.
3. Protect any area inlets on the lot, as well as curb inlets along the street.
4. A temporary construction entrance is required until a driveway is built.
5. Clean up any sediment trackout on the street daily.
6. The permittee is responsible for keeping trash and construction debris on-site and in an approved container at all times.



The lack of sediment controls on this site could result in polluted water and compliance violations.

## **INSPECTIONS**

Boone County Inspection staff will inspect your erosion and sediment control devices during routine building and/or subdivision inspections.

If BMPs are not installed in the correct location and/or are not installed correctly, the inspection will be denied.

Issues with erosion and sediment control measures should be corrected within seven calendar days. No inspection will occur until the issue has been corrected.

## WHAT CONTROL MEASURES DO I NEED?

Depending on your site conditions, methods used to control stormwater runoff can vary. Listed below are some of the more common BMPs. For additional information, check out Boone County's Stormwater Design Manual.

### Understanding the Difference

Both erosion and sediment control practices are required on construction sites to prevent sediment from leaving the site.

**Erosion Control Prevents** erosion from occurring at construction sites by keeping soil in place. Examples include mulch, erosion blankets, seeding, and site phasing.

**Sediment Control Captures** eroding sediments and keeps them on-site and away from surface waters. Examples include settling basins and sediment traps, silt fence and straw wattles (fiber rolls).

It is much cheaper to prevent erosion than it is to capture sediment.

### *Construction Site Access & Tracking*



## Erosion Controls



- Stabilize soil within 14 days of clearing or inactivity
- Redirect upslope runoff around disturbed areas.
- Prevent dust or sediment from leaving the site.
- Stabilize or cover soil stockpiles at the end of each work day.

## Sediment Controls



- Protect adjacent properties by using a vegetated buffer strip in combination with perimeter controls wherever possible.

## Inlet Protection



- Protect inlets from receiving polluted stormwater.
- Inspect, repair and remove sediment deposits weekly.



## Clearing & Grading



- Retain natural vegetation and natural drainage patterns whenever possible.
- Establish sediment control devices and perimeter controls before clearing and grubbing.
- Cut and fill slopes greater than 3:1 are not allowed without approval from Boone County.

## Seed and Mulch



- Apply seed and mulch immediately after rough or finished grading is completed.
- Install upstream BMPs to prevent erosion.

## Sodding



- Install sod after finish grading, installation of area inlets, and trenches.

## Other Construction Pollutants



- **Construction Waste** - must be disposed of by a licensed solid waste management contractor. Waste may not be buried on-site.
- **Concrete Truck Washout** - can not make contact with storm waters or natural streams.
- **Fertilizers** - Follow the manufacturer's directions and store in a covered area or watertight container.
- **Hazardous Materials** - Store hazardous materials such as oils, greases, paints, fuels, and chemicals in a covered area with secondary containment. Dispose of these items according to state regulations and manufacturer's recommendations.
- **Petroleum Products** - Store in clearly labeled and tightly sealed containers or tanks. Waste water from paint, drywall, stucco or masonry can not enter the stormwater system or be disposed of where it can eventually wash into creeks and streams.
- **Sanitary Waste** - Maintain portable units through a state licensed sanitary waste management contractor.
- **Dewatering** - Pump trenches, foundations or other excavated areas so as not to deposit sediment off-site or cause erosion. A filter bag, sediment trap or vegetated area may be used to filter sediment.

## ***Boone County, Missouri***

Resource Management Dept.  
Stormwater Division  
Boone County  
Government Center  
801 E. Walnut, Room 315  
Columbia, MO 65201  
573-886-4330

[www.showmeboone.com](http://www.showmeboone.com)



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