

Stormwater Pollution Prevention Tips for Small Residential Construction Sites



Allowing stormwater with sediment or pollutants to leave a construction site and enter into a storm drain or waterway is against local, state, and federal laws.



Stormwater management on small residential construction sites need not be complicated.

1 Protect Any Areas Reserved for Vegetation or Infiltration and Preserve Existing Trees

If you will be installing infiltration-based features such as rain gardens or bioswales, make sure these areas are designated as off limits to avoid compaction.

Save time and money by preserving existing mature trees during construction. Preserving mature trees minimizes the amount of soil that needs to be stabilized once construction is complete, and minimizes the amount of runoff during and after construction activity.

2 Stockpile Your Soil

EPA's CGP requires operators to preserve native topsoil on site unless infeasible and protect all soil storage piles from run-on and runoff. For smaller stockpiles, covering the entire pile with a tarp may be sufficient.

3 Protect Construction Materials from Run-On and Runoff

At the end of every workday and during precipitation events, provide cover for materials that could leach pollutants.

4 Designate Waste Disposal Areas

Clearly identify separate waste disposal areas on site for hazardous waste, construction waste, and domestic waste by designating with signage, and protect from run-on and runoff.

5 Install Perimeter Controls on Downhill Lot Line

Install perimeter controls such as sediment filter logs or silt fences around the downhill boundaries of your site.

6 Install Inlet Controls

Sediment control logs, gravel barriers, and sand or rock bags are options for effective inlet controls. Make sure to remove accumulated sediment whenever it has reached halfway up the control.

7 Install a Concrete/Stucco Washout Basin

Designate a leak-proof basin lined with plastic for washing out used concrete and stucco containers. Never wash excess stucco or concrete residue down a storm drain or into a stream!

8 Maintain a Stabilized Exit Pad

Minimize sediment track-out from vehicles exiting your site by maintaining an exit pad made of crushed rock spread over geotextile fabric. If sediment track-out occurs, remove deposited sediment by the end of the same work day.

9 Obtain & Post Required Permits

Projects that disturb one acre or more require a Stormwater Management Permit from the Westford Planning Board and a Construction General Permit from the EPA. Projects near wetlands may also require a permit from the Westford Conservation Commission. Contact the Westford Building Department during the project planning stage to determine what permits will be required.

10 Site Stabilization

Immediately stabilize exposed portions of the site whenever construction work will stop for 14 or more days, even if work is only temporarily stopped. Remember, final stabilization is required prior to terminating permit coverage.

Image taken from EPA publication "Stormwater Pollution Prevention for Small Residential Construction Sites (EPA 830-F-15-001, December 2015)"

Why is Stormwater Management Necessary?

- Water that falls on your construction site either soaks into the ground or runs off into storm drains.
- Water and pollution that goes into storm drains eventually ends up in lakes, rivers, and streams. The most common source of pollution from a construction site is sedimentation caused by erosion.
- Once pollutants reach waterways, they can harm fish and other wildlife. They can even make our water unsafe to drink.
- Most importantly, allowing polluted runoff to leave your site and enter a storm drain or waterway is against the law.



Visit the following websites for additional information:

- www.westfordma.gov/stormwater
- www.epa.gov/npdes/stormwater-discharges-construction-activities
- www.ThinkBlueMassachusetts.org
- www.mass.gov/service-details/stormwater

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