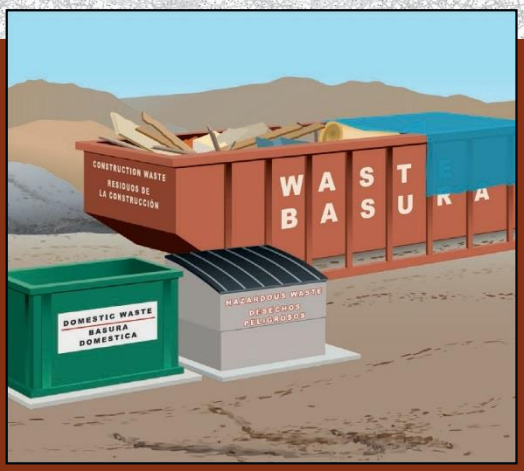
RI Department of
Environmental Management

Soil Erosion and Sediment Control for Small Construction Sites*



***Adapted from:**
EPA 830-F-15-001
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10 Steps to Soil Erosion and Sediment Control on Small Residential Construction Sites

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

Operators need 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 (i.e., Sediment Barriers) 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 Protection 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 Washout Area

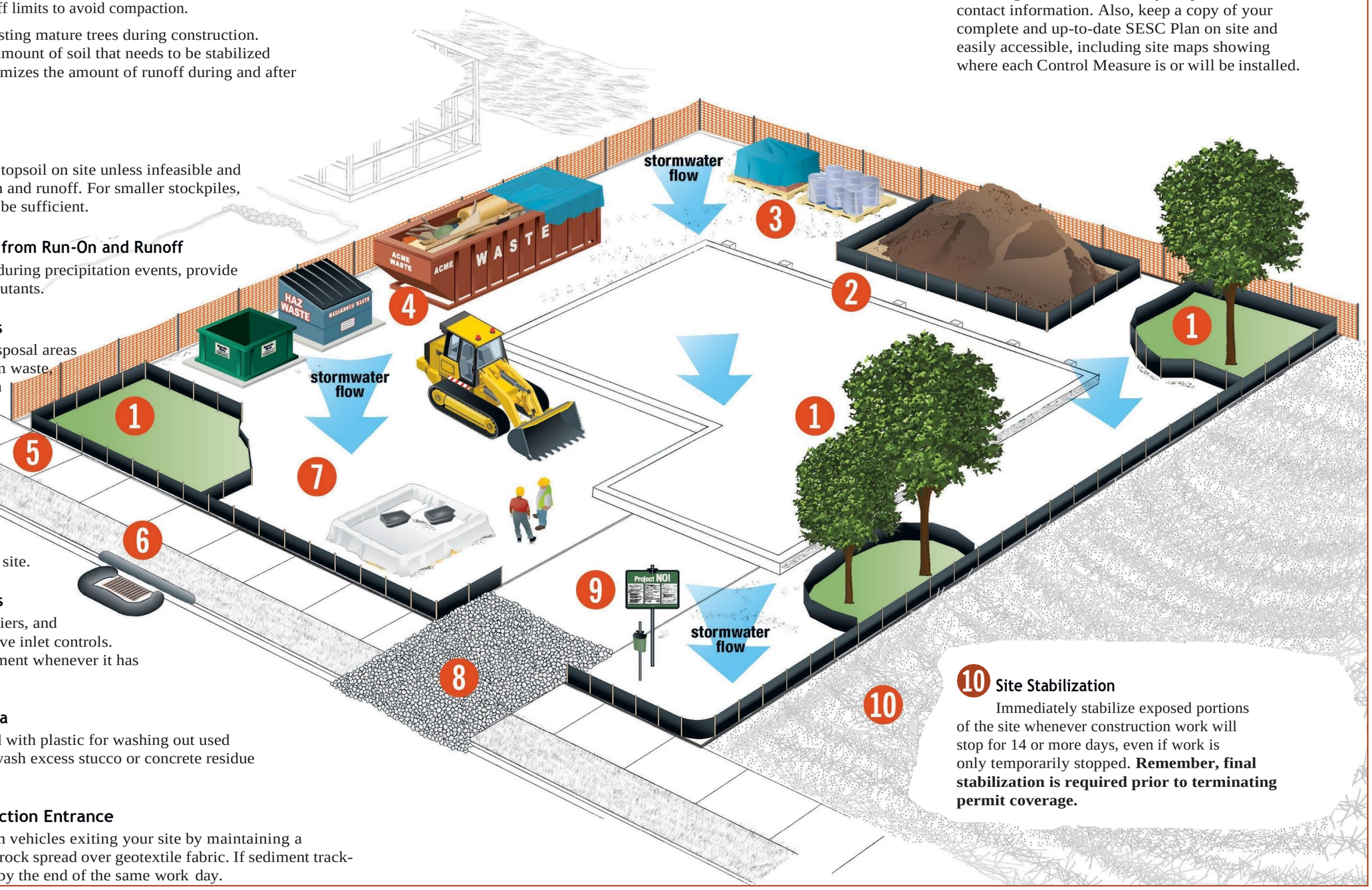
Designate a leak-proof basin lined with plastic for washing out used concrete and stucco containers. Never wash excess stucco or concrete residue down a storm drain or into a stream!

8 Maintain a Stabilized Construction Entrance

Minimize sediment track-out from vehicles exiting your site by maintaining a construction entrance 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 Post Your NOI and Keep an Up-to-Date Copy of Your SESC Plan on Site

Post a sign or other notice of your permit, and site contact information. Also, keep a copy of your complete and up-to-date SESC Plan on site and easily accessible, including site maps showing where each Control Measure is or will be installed.



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.**

RI's Small Residential Lot Soil Erosion and Sediment Control Plan (SESC Plan) Template

Stormwater discharges from construction activities disturbing less than one acre are subject to compliance with Minimum Standard 10 of the *RI Stormwater Design and Installation Standards Manual*. Prior to the start of construction, construction operators must develop a SESC Plan detailing erosion and sediment controls and pollution prevention measures that will be implemented to meet the requirements of Minimum Standard 10.

What is the Small Residential Lot SESC Plan Template?

The Small Residential Lot SESC Plan Template is designed to help operators of small residential sites develop a streamlined SESC Plan that meets the minimum requirements of Minimum Standard 10 of the *RI Stormwater Design and Installation Standards Manual*. This simplified template does not change, relax, or modify any existing conditions in Minimum Standard 10 or state permitting programs.

How does it work?

Think of the Small Residential Lot SESC Plan Template as a 1040EZ tax form for small construction sites. All of the same requirements apply, but compliance options are focused on only those controls that apply to small residential lot construction, and they are presented in a simplified, user-friendly format.


Appendix A - Erosion and Sediment Control Specifications

Stabilized Exit Pad (ES-1)

Appendix A - Erosion and Sediment Control Specifications

Silt Fence Sediment Barrier (ES-2)

The Small Residential Lot SESC Plan Template streamlines SESC Plan development by providing a simplified menu of erosion and sediment control and pollution prevention practices that operators can select from to complete a SESC Plan consistent with the requirements outlined in Minimum Standard 10.

Easy to Use Control Measure Menu

The Small Residential Lot SESC Plan Template provides operators with a walk-through menu of typical erosion and sediment control and pollution prevention practices (i.e., Control Measures or CMs) appropriate for small construction sites.

Illustrated Appendix with Pull-Out Control Measure Spec Sheets

Clear, step-by-step Control Measure spec sheets for each practice you choose are provided in an illustrated appendix that you may edit based on your site-specific conditions.