

FOR CONTRACTORS:

Erosion and sedimentation (E&S) FAQ

Sediment runoff from construction and demolition projects is prohibited from entering public streets, sidewalks, sewer inlets and water bodies. The Philadelphia Water Department (PWD) requires proper **erosion and sedimentation (E&S) controls** on all construction and demolition projects throughout the City.

What are E&S controls and why are they important?

Sediment from construction and demolition projects is a major pollutant in local waters. When the earth is disturbed, soil is easily eroded and washes into streams or rivers directly or indirectly through the City's storm-water inlets and drainage infrastructure. Sediment can also clog inlets and subsurface infrastructure, requiring increased maintenance.

Fortunately, contractors can implement relatively easy precautions to minimize erosion and to keep eroded soil on-site and out of our City streets, sidewalks, inlets, drainage networks and water bodies.

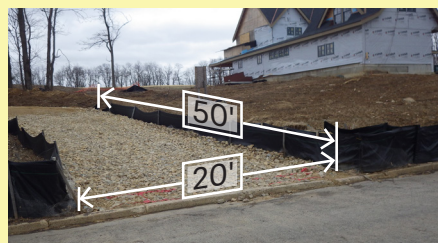


State and City laws require protecting our waterways and sewer system from runoff.

Typical E&S controls applicable to all construction and demolition activities

All E&S controls require routine maintenance and replacement. Temporary stabilization is required for any break in activity, and permanent stabilization must be achieved at the completion of the project.

1. Rock Construction Entrance:



Install at a minimum 50-feet in length and 20-feet in width.

2. Silt Fence/Silt Sock Perimeter



Silt sock



Silt fence

Surround site perimeter and all stockpiles with silt fence/sock. Must stake silt sock and trench silt fence in place.

3. Inlet Protection



Install in all on-site inlets and inlets in adjacent streets. Remove at project completion; Allow for proper drainage with no ponding or standing water.

4. Dust Control & Site Housekeeping



Spray the site as necessary to minimize dust. Properly store and dispose of all chemicals and garbage.

How do I know what E&S requirements apply to my project?

1. Determine the proposed earth disturbance area associated with your project.
2. Refer to PWD's ***Stormwater Management Guidance Manual*** to learn more about the types of E&S controls and understand what approvals or permits must be obtained before starting your project.
3. Develop a plan to prevent erosion and sediment runoff from leaving the site and obtain required approvals and permits. If the earth disturbance total for the proposed project requires an E&S Plan, then the E&S Plan must be available on-site at all times during construction and demolition.

E&S REQUIREMENTS	EARTH DISTURBANCE			
	< 5000 SQ. FT	5,000 to 15,000 SQ. FT	>15,000 SQ. FT	>1 acre
Implement E&S Controls as necessary on-site	YES	YES	YES	YES
Develop an E&S Plan	NO	YES	YES	YES
Obtain PWD E&S Plan Approval	NO	YES	YES	YES
Obtain PA DEP NPDES Permit	NO	NO	NO	YES
Dust Control Requirements: Permit & Notifications	NO	YES	YES	YES

Dust Control and Public Health: For clearing, grubbing, or earth disturbance of any area greater than 5,000 sq ft., the Philadelphia Department of Public Health's ***Air Management Services (AMS)*** requires a dust control permit and related notifications to neighboring properties.

Learn more: www.phila.gov/li/construction-site-requirements

If E&S controls are not installed and maintained, the site may be subject to enforcement action by the City. For severe issues, a **Stop Work Order** may be issued until the required controls are installed and any damage to City property is repaired. Depending on the size of your project, the Pennsylvania Department of Environmental Protection (PA DEP) may also enforce against the site.

Issues that can lead to violations:

- E&S controls are not installed or adequately maintained.
- Sediment is tracked into roadways or runs off into inlets, waterways or adjacent properties.
- Unprotected stockpiles.
- Construction sequence is not followed.
- Construction activity is not in accordance with PWD-approved plans.
- Lack of temporary or final stabilization resulting in sediment runoff.

More Information and Contact List

PWD's ***Stormwater Management Guidance Manual*** online:



water.phila.gov/stormwater-manual

For questions
or to schedule a meeting:



PWD.PlanReview@phila.gov



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