



Erosion and Sedimentation Control specific to construction sites

MAY 12 2025

City of Cambridge Stormwater Management Program

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- ▶ Required by City of Cambridge Permit condition and the Environmental Protection Agency (EPA)
- ▶ Addresses Six Minimum Control Measures:
 1. Public Education & Outreach
 2. Public Involvement & Participation
 3. Illicit Discharge Detection & Elimination
 4. → **Construction Site Stormwater Runoff Control** ←
 5. Post-Construction Stormwater Management
 6. Good Housekeeping

Importance of Erosion and Sedimentation Control

- ▶ Runoff from construction sites can be a significant source of pollution.
- ▶ Pollutants from construction sites include:
 - Sediment
 - Solid and sanitary wastes
 - Nutrients
 - Pesticides
 - Oil and grease
 - Concrete truck washout
 - Construction chemicals
 - Construction debris

Contractors at a minimum follow approved ESC plan for your site

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- ▶ Minimize clearing and grading
- ▶ Phase essential grading to limit soil exposure
- ▶ Immediately stabilize exposed soils
- ▶ Protect steep slopes and cuts
- ▶ Protect and stabilize drainageways
- ▶ Train your employees on erosion and sedimentation control
- ▶ Adjust the plan once construction has started, if needed

Site Controls

Stormwater pollution can be reduced by using proper site controls:

- ▶ Perimeter Controls
- ▶ Stabilized Site Entrance & Exits
- ▶ Inlet & Outlet Protection
- ▶ Clean Storage and Staging Areas
- ▶ Stabilized Stockpiles
- ▶ Designated Concrete Washout Areas

The contractor is solely responsible for erosion and sedimentation control on site.

Perimeter Control

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Site Entrances & Exits

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Washing Truck Tires

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Inlet and Outlet Structures

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Material management and Storage

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Stockpiles management

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Concrete Washout

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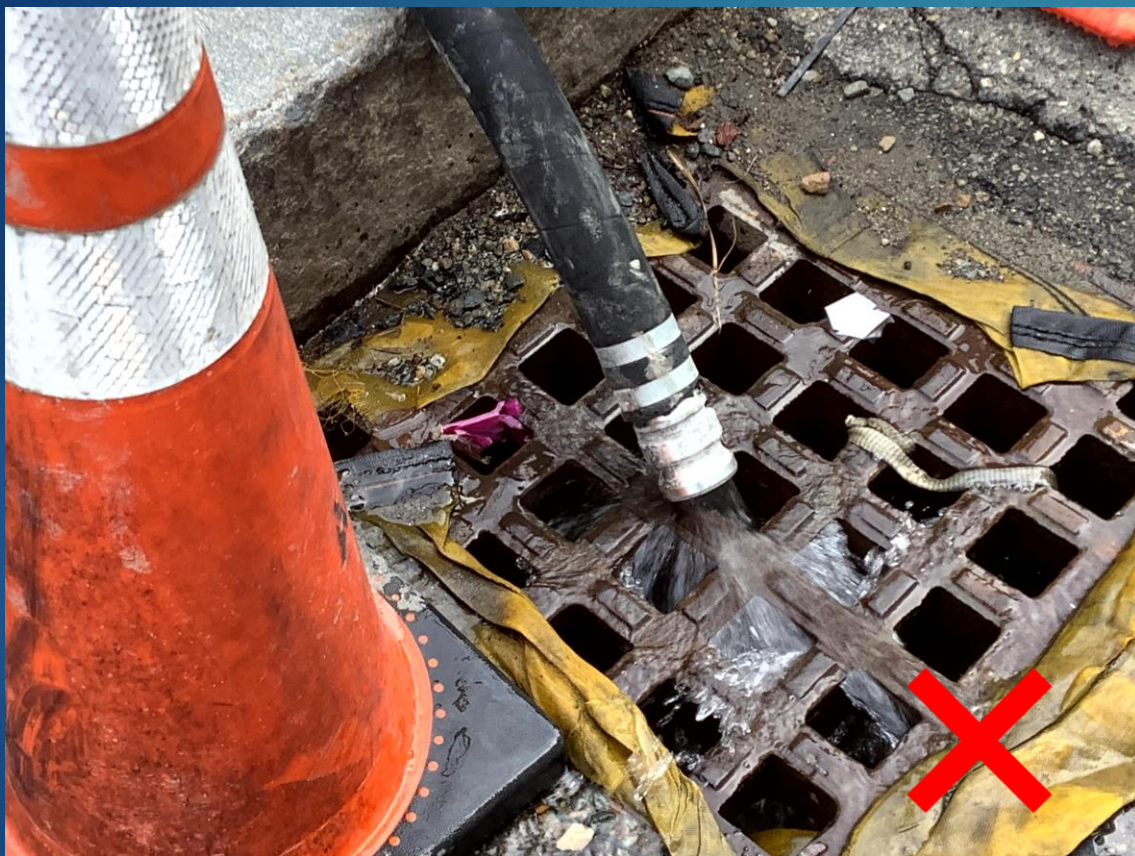
No Wet Cleaning – Sweeping only

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Dewatering Permit is always required

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Dewatering Tank overflow

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Reminders

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- ▶ Good Housekeeping:
 - Sweep work zone each day
 - Use dust control
- ▶ Rain Events:
 - Before: clean and replace inlet protection
 - After: inspect all site controls and perform maintenance as needed



Warnings and Violations

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You are responsible for all sediment, dewatering, and discharge leaving your job site.

- ▶ The City will inspect your site for erosion and sediment control.
- ▶ The City will issue warnings for violations, followed by site closure and fines.

CITY OF CAMBRIDGE		EROSION AND SEDIMENT CONTROL WARNING	
TIME	FROM TH	DATE	YEAR
SITE ADDRESS			DEPARTMENT <input type="checkbox"/> DPW
NAME OF CONTRACTOR			
ADDRESS OF PROPERTY OWNER			STATE ZIP CODE
CONTACT PHONE NUMBER		EMAIL ADDRESS	
COMMENTS			
<input type="checkbox"/> NO ESC PLAN <input type="checkbox"/> ESC PLAN IS NOT FOLLOWED <input type="checkbox"/> ESC PLAN IS NOT ADEQUATELY CONTROLLING EROSION & SEDIMENT LOSS <input type="checkbox"/> BMPs ARE NOT PROPERLY MAINTAINED <input type="checkbox"/> ILLEGAL DUMPING TO CATCH BASINS <input type="checkbox"/> KEEP THE SITE CLEAN/PROPERLY MANAGE <input type="checkbox"/> DEWATERING VIOLATION			
CITY OF CAMBRIDGE WASTEWATER AND STORMWATER ARTICLE - V - B - SECTION 2			
"NO PERSON SHALL DISCHARGE OR CAUSE OR ALLOW TO BE DISCHARGED DIRECTLY OR INDIRECTLY INTO A CITY SANITARY OR COMBINED SEWER OR INTO SANITARY OR COMBINED SEWER TRIBUTARY THERE TO ANY PROHIBITED WASTE OR SUBSTANCE..."			
CITY OF CAMBRIDGE WASTEWATER AND STORMWATER ARTICLE - V - C - SECTION 3			
"NO PERSON SHALL DIRECTLY OR INDIRECTLY DISCHARGE OR CAUSE OR ALLOW TO BE DISCHARGED ANY ILLEGAL DISCHARGE OR ANY OTHER WATERS NOT COMPOSED ENTIRELY OF STORMWATER INTO A BUILDING STORMWATER DRAIN..."			
CITY OF CAMBRIDGE LAND DISTURBANCE REGULATION ARTICLE - V - SECTION 1 (B) (1), (2), (3), AND (4)			
THE OWNER OR APPLICANT SHALL: (1) "IMPLEMENT MEASURES INTENDED TO KEEP SOIL ON SITE OR OUT OF WATER RESOURCES, STORMWATER DRAINAGE SYSTEM OR THE PUBLIC RIGHT-OF-WAY AS THE FIRST STEP IN ANY DEVELOPMENT." (2) "REMOVE ANY SOIL THAT ENTERS THE PUBLIC RIGHT-OF-WAY." (3) "PROTECT STORMWATER INLETS THAT ARE FUNCTIONING DURING THE COURSE OF THE DEVELOPMENT BY APPROVED SEDIMENT CONTROL MEASURES SO THAT SEDIMENT LADEN WATER CANNOT ENTER THE INLETS WITHOUT FIRST BEING PROPERLY TREATED."			
CITY OF CAMBRIDGE WASTEWATER AND STORMWATER ARTICLE - V - D - SECTION 1			
"NO PERSON SHALL DIRECTLY OR INDIRECTLY DUMP, DISCHARGE OR CAUSE OR ALLOW TO BE DISCHARGED INTO ANY CATCH BASIN ANY SOLID WASTE, CONSTRUCTION DEBRIS, PAINTS OR PAINTING PRODUCTS, ANTIFREEZE, HAZARDOUS WASTE, OIL, GASOLINE..."			
OFFENDER'S COPY			

Questions?

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