

Construction Site Stormwater Management

City of Cambridge

July 25th 2016



Stormwater Management Program

- Public education/Out reach
- Public involvement/participation
- Illicit discharge detection/elimination
- Post Construction Stormwater Management
- **Construction Site Stormwater Management**
- Pollution Prevention/good housekeeping

Pollutants




Trash



Heavy Metals



Nutrients



Sediment



Pathogens



Oil & Grease

**Attention
Dog Guardians**

Pick up after your
dogs. Thank you.

Attention Dogs

Grrrrr, bark, woof,
Good dog.

District of North Vancouver
Bylaw 5981-11(1)

Pollutants

- Trash
- Sediments
- Heavy Metals
- Nutrients
- Pathogens
- Oil and Grease

BMPs

- Protecting Catch Basins
- Using Perimeter Control (Silt Fence with Hay bales)
- Having Construction Entrance and Exit Protected
- Maintaining designated material stockpile are and
- Proper dewatering setups



Perimeter Control

Silt fence/hay bale – staging covered



Silt fence/hay bale



Perimeter Control

Silt fence



Silt fence/hay bale



Site Entrance/Exit protection

Crushed stone entrance



Crushed stone with oil mat



Wheel Washing on site

Driver checking wheels



Driver washing wheels





NO PARK
THIS IS
EXIT



Catch Basin Protection

Unprotected Catch Basin



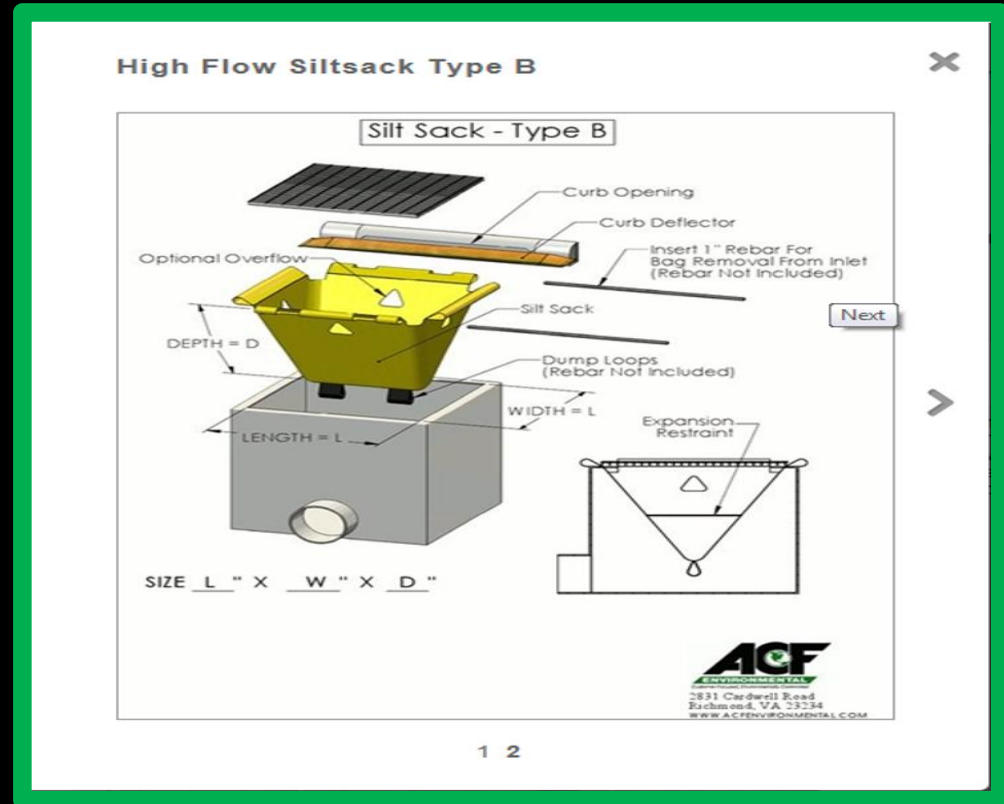
Unprotected Catch Basin



Catch Basin protection

Drop Inlet – www.bmpstore.com

Drop Inlet detail



Catch Basin Silt sack installation video – ACF video



Catch Basin protection

Silt sacks



Filter Fabric



Catch Basin protection

Silt sacks with hay socks



Silt sack with hays



DO NOT DUMP to Catch Basin

Hose to Catch Basin



Dumping at Catch Basin



DO NOT DUMP to Catch Basin

Illegal Dewatering to Catch Basin



Working near Catch Basin



Concrete Wash out

Concrete Wash out bin
www.bmpstor.com



Concrete Wash Out filter –
www.bmpstore.com



Concrete Wash out

Designated concert wash out



Designated concrete wash out



Spill Prevention Kit

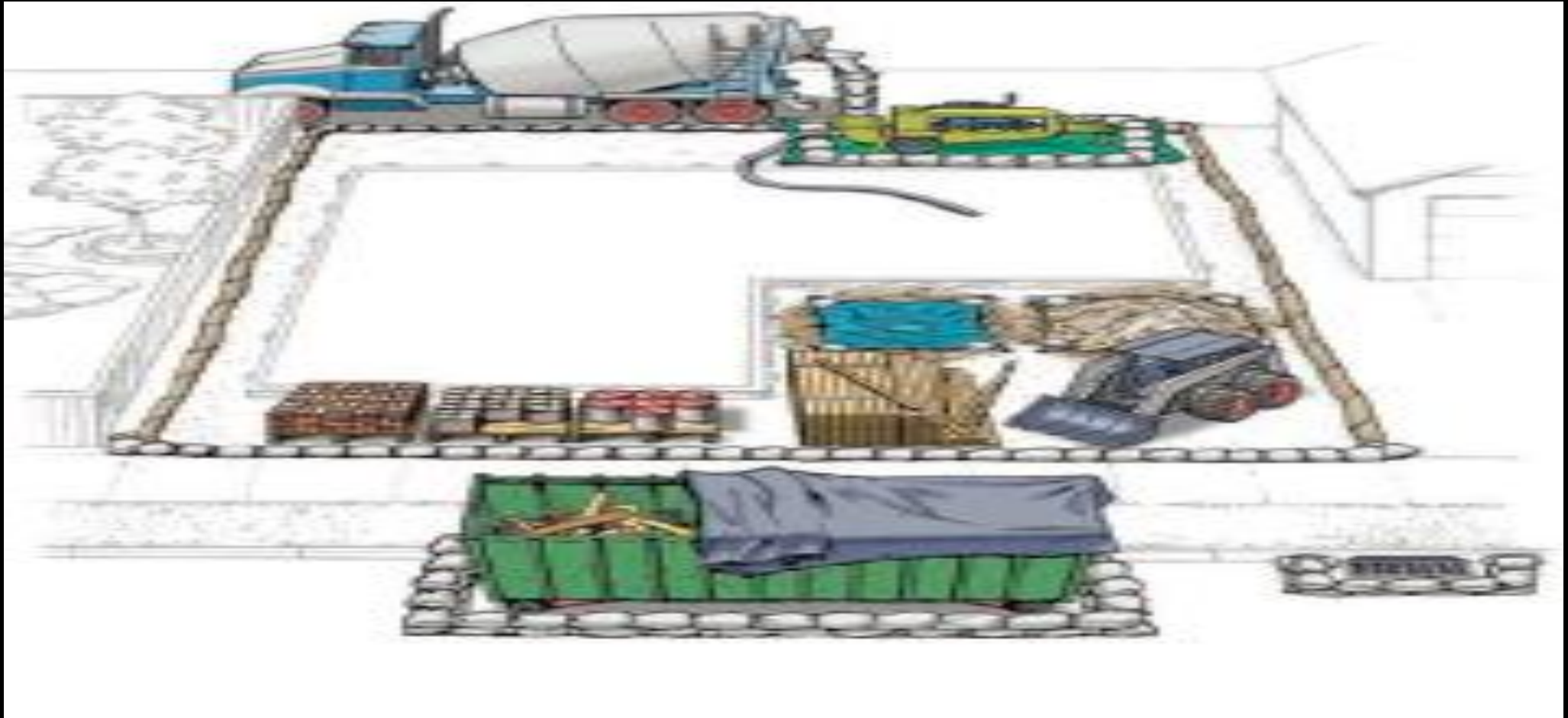
65 Gallon Spill Kit
www.bmpstore.com



Spill prevention pad
www.bmpstore.com



Construction Site material storage and cover



Erosion and Sedimentation warning

Warning emailed to owner, contractor

Temp work stop order

INSPECTION WORKSHEET (095292-2016)			
Case Number:	STRM-009733-2015	Case Module:	Permit Management
Inspection Date:	01/29/2016	Inspection Status:	Pass
Inspector:	Yitkal Bekele - Primary Inspector	Inspection Type:	Post-Construction BMP Inspection
Job Address:	300 Binney St Cambridge, MA	Parcel Number:	30-41
Contact Type	Company Name	Name	
Owner	Biogen IDEC	Michael O'Hearn	
Violator	Biogen Steam- @ Binney St	Don Erwin	
Checklist Item	Passed	Comments	
Stormwater Comments	Yes	BMP maint passed	
Water Quality Units Inlets/Outlets	Yes	Wayne's Drains	
Green Roof	No	N/A	
Grass Swales	Yes	Wayne's Drains	
Detention Basin Including Inlets	Yes		
Catchbasins, Manholes, Outlet Structures	Yes	Wayne's Drains	
Bio-retention Area	Yes		
Construction Wetland	Yes	N/A	
Underground Detentions/Storage	Yes	Wayne's Drain	

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- The City will issue warnings for violations, followed by site closure and fines
- Legal actions with fines



Please feel free to contact me
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