

*Recommended Construction Period Pollution Prevention
and Erosion and Sedimentation Controls*

NECC ATHLETIC FIELDS RENOVATION

Recommended Construction Period Pollution Prevention and Erosion and Sedimentation Controls

The following erosion and sedimentation controls are for use during the earthwork and construction phases of the project. The following controls are provided as recommendations for the site contractor and do not constitute or replace the final Stormwater Pollution Prevention Plan that must be fully implemented by the Contractor and owner in Compliance with EPA NPDES regulations.

Straw Wattles

Straw Wattles will be placed to trap sediment transported by runoff before it reaches the drainage system or leaves the construction site. Straw rolls will be set at least two inches into the existing ground to minimize undercutting by runoff.

Silt Fencing

In areas where high runoff velocities or high sediment loads are expected, straw wattles will be backed up with silt fencing. This semi-permeable barrier made of a synthetic porous fabric will provide additional protection. The silt fences and hay bale barrier will be replaced as determined by periodic field inspections.

Catch Basin Protection

Newly constructed and existing catch basins will be protected silt sacks throughout construction.

Gravel and Construction Entrance/Exit

A temporary crushed-stone construction entrance/exit will be constructed. A cross slope will be placed in the entrance to direct runoff to a protected catch basin inlet or settling area. If deemed necessary after construction begins, a wash pad may be included to wash off vehicle wheels before leaving the project site.

Temporary Sediment Basins

Temporary sediment basins will be designed either as excavations or bermed stormwater detention structures (depending on grading) that will retain runoff for a sufficient period of time to allow suspended soil particles to settle out prior to discharge. These temporary basins will be located based on construction needs as determined by the contractor and outlet devices will be designed to control velocity and sediment. Points of discharge from sediment basins will be stabilized to minimize erosion.

Slope Stabilization

Stabilization of open soil surfaces will be implemented within 14 days after grading or construction activities have temporarily or permanently ceased, unless there is sufficient snow cover to prohibit implementation. Jute Mesh will be used to minimize erosion on slopes of 3:1 or flatter. Permanent stabilization will be completed with the planting of perennial grasses or legumes. A suitable topsoil, good seedbed preparation, and adequate lime, fertilizer and water will be provided for effective establishment of these vegetative stabilization methods. Mulch will also be used after permanent seeding to protect soil from the impact of falling rain and to increase the capacity of the soil to absorb water.

Maintenance

- The contractor or subcontractor will be responsible for implementing each control shown on the Sedimentation and Erosion Control Plan. In accordance with EPA regulations, the contractor must sign a copy of a certification to verify that a plan has been prepared and that permit regulations are understood.
- The on-site contractor will inspect all sediment and erosion control structures periodically and after each rainfall event. Records of the inspections will be prepared and maintained on-site by the contractor.
- Silt shall be removed from behind barriers if greater than 6-inches deep or as needed.
- Damaged or deteriorated items will be repaired immediately after identification.
- The underside of hay bales should be kept in close contact with the earth and reset as necessary.
- Sediment that is collected in structures shall be disposed of properly and covered if stored on-site.
- Erosion control structures shall remain in place until all disturbed earth has been securely stabilized. After removal of structures, disturbed areas shall be regraded and stabilized as necessary.

The erosion and sediment control plan is included in project plan set.

Construction Practices Maintenance/Evaluation Checklist

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Inspection Performed By: _____

Date: _____

BMP	Inspection Frequency	Minimum Maintenance and Key Items to Check	Cleaning or Repair Needed (List Items)	Date of Cleaning/Repair	Performed By:
Straw Wattle/Silt Fence	Weekly and after 0.25-inch rainfall	<ul style="list-style-type: none"> • Sediment build up • Ripped/Torn Compost Filter Tube • Undermining of Compost Filter Tube • Broken bales or stakes 	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Construction Entrance	Weekly and after 0.25-inch rainfall	<ul style="list-style-type: none"> • Filled voids • Runoff/sediments into street 	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Silt Sack	Weekly and after 0.25-inch rainfall	<ul style="list-style-type: none"> • Clogged or sediment build-up at surface or in basin 	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Vegetated Slope Stabilization	Weekly and after 0.25-inch rainfall		<input type="checkbox"/> Yes <input type="checkbox"/> No		