4d-1 Construction Site Storm Water Runoff Control
Project SW Control Requirements <1 Acre Projects

PURPOSE: To assist Project Managers working on small projects (less than 1 acre of disturbance) to maintain storm water friendly construction sites. The University of Minnesota Duluth MS4 does not actively monitor construction activities without MPCA Construction Permits, however we do have a responsibility to reasonably assist smaller construction activities within our jurisdiction in order to better protect the environment.

RESPONSIBLE PARTY: The position title responsible for project storm water control requirements for projects less than one acre as of the effective date of this procedure is a Campus Planning, Engineering, and Safety Professional with UMD Facilities Management, otherwise known as the UMD Storm Water Contact (UMDSWC). In the event that the Campus Planning, Engineering, and Safety Professional is unavailable, the Research Safety Professional (or other staff person) with certification in Site Management will become the UMD Storm Water Contact for the purpose of this SOP.

PROCEDURE: This procedure sets some guidelines for Project Managers working with projects that do not require MPCA Construction Permits to assist them in maintaining storm water friendly sites. For this procedure “Area of Disturbance” is defined as the area in which a project disturbs existing soil cover (both vegetative and non-vegetative) or the existing soil topography, that may result in accelerated stormwater runoff, leading to soil erosion and movement of sediment into surface waters or drainage systems. When determining the area of disturbance it is advisable to round up unless construction area is fenced to prevent site disturbance creep during the project.

a. The Project Manager (PM) or Supervisor is responsible to adequately protect the environment from storm water runoff pollution.

b. The UMDSWC will assist the PM or Supervisor with determining storm water pollution prevention controls when requested.

c. No formal SWPPP, drawings, review, or inspections are required unless citizen complaints are received about the site. In the event of a citizen complaint, a formal inspection will be conducted by the UMSWC and a Storm Water Pollution Prevention Plan (SWPPP) and/or Erosion and Sediment (E/S) control drawings may have to be developed. For projects designed by an Architect or Engineer (A/E), the PM may require the A/E to produce a SWPPP and/or E/S control drawings (recommended for projects over a ½ acre) and request a SWPPP review and formal or informal inspections from the UMDSWC.

d. Erosion and Sediment Control shall be installed as required by the PM. Typical E/S controls are as follows and can be installed by the contractor (or Grounds for internal projects):
   • Catch Basin Inlet Protection
   • Silt Fence or Waddles
   • Woodchip Laydown and Rock or Woodchip Entrance/Exit Areas
   • Site Dewatering Management (discharge must be visibly clear)
e. Post-construction storm water features are not required, but thought should be given to minimizing the post-construction storm water impact. Ways to minimize impact are as follows:
   - Minimize Impervious Surfaces and/or Directly Connected Impervious Surfaces
   - Minimize Compaction of Soils within the Construction Site
   - Minimize Tree Removal and/or Replace per 5a-1 Tree Preservation, Protection, and Planting BMP.
   - Design Project Landscaping to Treat Storm Water.

f. Waste Management Controls shall be implemented as deemed necessary by the PM. Typical WMCs are as follows:
   - Concrete Washout Management
   - Dumpster Covers (to control wash through and windblown debris)
   - Equipment Maintenance / Fueling Controls (spill protection / spill cleanup materials)
   - Hazardous Materials Storage (protection from rain / theft)
   - No Wash Waters (from cleaning tools, equipment, materials, impervious surfaces, etc.) from the Site Shall be Discharged to the Storm Sewer

gh. It is recommended that any earthwork contractor has a person Erosion and Stormwater Management Certification Program Certified in Construction Site Management.

Exceptions: There are a few exceptions to the above guideline, they are as follows:
   - Projects that remove/replace or add concrete surfaces around storm water catch basins shall be required to follow 3d-1 Catch Basin Marking BMP and stamp the concrete adjacent to the catch basin.
   - Projects that remove trees shall be required to follow 5a-1 Tree Preservation, Protection, and Planting BMP.
   - Projects adjacent to special waters shall follow 5a-1 Shoreline Protection BMP.

Documentation: Formal documentation for projects less than 1 acre within the Storm Water Pollution Prevention Program is not needed unless there is a citizen’s complaint which shall be formally documented. Storm water notes, drawings, etc. related to the project shall be filed in the 609.05 folder in the project’s filing system.

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