



EROSION AND SEDIMENT CONTROL PLAN COMPONENTS AND CHECKLIST

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Director

MINIMUM STANDARDS - All applicable Minimum Standards must be addressed and satisfied on every construction project, unless a specific variance is granted.

- MS-01. Apply Permanent or Temporary soil stabilization
- MS-02. Protect soil stockpiles on and off the site
- MS-03. Establish a permanent vegetative cover
- MS-04. First step measures are to be functioning before upslope land disturbance begins
- MS-05. Stabilize earthen structures such as dams, dikes, and diversions immediately after installation
- MS-06. Design sediment traps based upon total drainage area being served
- MS-07. Design cut and fills slopes to minimize erosion
- MS-08. Concentrated runoff shall not flow down cut or fill slopes unless contained in a channel or flume
- MS-09. Provide adequate drainage or other protection whenever water seeps from a slope face
- MS-10. Protect all storm sewer inlets from sediment-laden water
- MS-11. All outlets shall be protected by a temporary or permanent lining before operating
- MS-12. Take precautions to minimize encroachment when working in live watercourses
- MS-13. If a live watercourse must be crossed, the crossing shall be made of non-erodible material
- MS-14. All applicable federal, state, and local regulations shall be met when crossing or working in a watercourse
- MS-15. The bed and banks of a watercourse shall be stabilized immediately after work is completed
- MS-16. Underground utility lines are limited to 500 feet at one time and any state or local codes
- MS-17. Construction access routes shall be made to minimize sediment transport by vehicles
- MS-18. All temporary E&SC measures shall be removed within 30 days of final site stabilization
- MS-19. Properties and waterways downstream shall be protected from sediment, erosion and damage

NARRATIVE – Provide a written statement which explains the erosion and sediment control measures proposed for this project

- _____ **PROJECT DESCRIPTION** – Briefly describe the purpose of the land disturbing activity and the acres to be disturbed
- _____ **EXISTING SITE CONDITIONS** – Describe existing topography, vegetation, and drainage
- _____ **ADJACENT AREAS** – Describe neighboring areas such as streams, lakes and residential areas, roads, etc.
- _____ **OFF-SITE AREAS** – Describe any off-site land disturbing activities that will occur, including borrow or surplus areas. Will any other areas be disturbed?
- _____ **SOILS** – Briefly describe the soils on the site such as soil name, mapping unit, erodibility, permeability, depth, texture, and soil structure
- _____ **CRITICAL AREAS** – Describe areas on the site which have potentially serious erosion problems such as steep slopes, channels, wet weather or underground springs, etc.
- _____ **EROSION AND SEDIMENT CONTROL MEASURES** – Describe the measures which will be used to control erosion and sediment transport on this project
- _____ **PERMANENT STABILIZATION** – Describe, including specifications, how the site will be stabilized after construction is completed
- _____ **STORMWATER RUNOFF CONSIDERATIONS** – Describe the strategy to control stormwater runoff. Will this project cause an increase in peak runoff rates? Will the increase in runoff cause flooding or downstream channel degradation?
- _____ **CALCULATIONS** – Provide calculations for pre- and post-development runoff, calculations for the design of temporary sediment basins, diversions, channels, and permanent stormwater detention basins

DRAWING - Provide a drawing that shows the erosion and sediment control measures proposed for this project

- _____ **VICINITY MAP WITH AN ARROW INDICATING NORTH**
- _____ **LIMITS OF CLEARING AND GRADING** – Show areas which are to be cleared and graded
- _____ **EXISTING CONTOURS** – Show the contours of the current site
- _____ **FINAL CONTOURS** – Show the proposed changes to the current contours, including final drainage patterns
- _____ **EXISTING VEGETATION** – Show current tree lines, grassed areas, or unique vegetation
- _____ **SOILS** – Show the boundaries of different soil types
- _____ **EXISTING DRAINAGE PATTERNS** – Show the dividing lines, direction of flow, and size (acreage) of each drainage area
- _____ **CRITICAL EROSION AREAS** – Show areas with potentially serious erosion problems (see DCE E&SC Handbook Chapter 6 for criteria)
- _____ **SITE DEVELOPMENT** – Show all improvements such as buildings, parking lots, access roads, utility construction, etc.
- _____ **LOCATION OF PRACTICES** – Show locations of E&SC and stormwater practices on the site
- _____ **OFF-SITE AREAS** – Identify any off-site land disturbing activities (e.g., borrow sites, waste areas)
- _____ **DETAIL DRAWINGS** – Explain and illustrate any structural practices not already referenced
- _____ **MAINTENANCE TASKS** – Provide a schedule for regular inspections and what tasks/repairs are needed