

SECTION 5103 PLAN REQUIREMENTS

5103.1 CHECKLIST

The checklist includes the required contents of an erosion and sediment control plan. The checklist is divided into a narrative section, a site plan section, design guidance, and verification of design performance.

Narrative:

_____ Project Description – Briefly describe the nature and purpose of the land-disturbing activity and the number of acres to be disturbed.

_____ Phased Development – Briefly describe the location, nature, and size of each phase of development. Include a list of contractors for each aspect or phase of construction.

_____ Project Dates – List starting dates of initial land disturbing activities and the expected date of completion of final stabilization for each phase.

_____ Existing Site Conditions – Describe the existing topography, vegetation, and drainage.

_____ Soils – Briefly describe the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture, and soil structure.

_____ Critical Areas – Describe the areas on the development site that have potentially serious erosion problems such as steep slopes, channels, underground spring, wetlands, and environmentally sensitive areas.

_____ Erosion and Sediment Control Measures – Describe the methods that will be used to control erosion and sedimentation on the site.

_____ Permanent Stabilization – Briefly describe and include specifications of how the development site will be stabilized after construction is completed.

_____ Stormwater Runoff Considerations – Describe the strategy to control stormwater runoff. Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? How will the design prevent this?

_____ Calculations – Show detailed calculations for the design of temporary sediment basins, diversions, channels, etc. Include calculations for pre- and post-development runoff.

_____ Inspection and Maintenance – Include a schedule of regular inspections and repairs of erosion and sediment control structures.

_____ Spill Prevention and Material Management Practices – Provide a plan of methods to manage materials and spills during construction.

Site Plan:

General Information:

_____ General Information – Include information such as title block, scale, and legend on the site plan.

_____ Vicinity Map – Include a small map locating the site and adjacent watersheds in the surrounding area. Include any landmarks which might assist in locating the site.

_____ Indicate North – Include north arrows on all plan sheets.

_____ Limits of Clearing and Grading – Show areas that are to be cleared and graded.

Existing Conditions Plan:

_____ Existing Contours – Show existing contours of the site.

_____ Existing Vegetation – Show existing tree lines, grassed areas, or unique vegetation.

_____ Soils – Show the boundaries of different soil types.

_____ Existing Drainage Patterns – Show the dividing lines and the direction of flow for different drainage areas. Include the acreage of each drainage area.

_____ Critical Areas – Indicated all steep slopes, channels, wetlands, underground springs, and environmentally sensitive areas.

Proposed Construction Plan:

_____ Proposed Contours – Show the proposed contours of the site.

_____ Site Development – Show all improvements such as buildings, parking lots, access roads, and utility construction.

_____ Location of Practices – Show the locations and types of erosion and sediment controls and stormwater management practices used on the site.

_____ Location of Topsoil Stockpile – Indicate the location of all soil stockpiles on the site.

_____ Detail Drawings – Explain and Illustrate with detail drawings any structural practices used which are not referenced in this manual.

_____ Construction Access – Show the access on which construction traffic will be entering and exiting the construction site.

_____ Staging Area – Indicate the area on which the construction equipment and materials will be stored.

_____ Inspection and Maintenance – Provide a schedule of regular inspections and maintenance of erosion and sediment control structures.

_____ Template Standards – Provide all standard templates applicable to this construction project.

Controls Checklist:

See Design Guidance

Other Permits Required:

_____ Construction Activity (NPDES)

_____ Section 401

_____ Section 404

_____ Other State applicable permits

_____ Other Local applicable permits

Example Erosion and Sediment Control Staging Chart

Project Stage	BMP Plan Ref No.	BMP Description	Remove after Stage:	Notes:
A - Prior to Land Disturbance/Sanitary Sewer Installation	1	Construction Fence	D	Place at edge of natural stream corridor
	2	Temporary Earth Diversion Dike	D	Remove only when graded areas south of berm have sufficient ground cover established.
	3	Constr Entrance & Staging Area	D	
B - Mass Grading	4	Temp Sediment Basin	E	Convert to Detention Basin after 80% built out of houses.
	5	Sediment Fence	C	Place 5' beyond toe slope of soil stockpile area.
	6	Sediment Fence	E	Place at ROW line
C - Storm Sewer Installation	7	Inlet Protection	E	Use Block & Gravel protection prior to street paving. Use gravel bag inlet protection after street paving.
D - After Street Construction/Ready for Building	8	Sediment Fence	E	Where indicated adjacent to street - place at back of curb.
	9	Seeding and Mulching	N/A	
E - During Building Construction until closure of Land Disturbance Permit				

EXAMPLE
EROSION & SEDIMENT CONTROL STAGING PLAN
(Contours not shown for clarity)

