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.

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

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>BMP Plan Ref No.</th>
<th>BMP Description</th>
<th>Remove after Stage:</th>
<th>Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A - Prior to Land Disturbance/Sanitary Sewer Installation</td>
<td>1</td>
<td>Construction Fence</td>
<td>D</td>
<td>Place at edge of natural stream corridor</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Temporary Earth Diversion Dike</td>
<td>D</td>
<td>Remove only when graded areas south of berm have sufficient ground cover established.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Constr Exit &amp; Staging Area</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>B - Mass Grading</td>
<td>4</td>
<td>Temp Sediment Basin</td>
<td>E</td>
<td>Convert to Detention Basin after 80% built out of houses.</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Sediment Fence</td>
<td>C</td>
<td>Place 5' beyond toe slope of soil stockpile area.</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Sediment Fence</td>
<td>E</td>
<td>Place at ROW line</td>
</tr>
<tr>
<td>C - Storm Sewer Installation</td>
<td>7</td>
<td>Inlet Protection</td>
<td>E</td>
<td>Use Block &amp; Gravel protection prior to street paving. Use gravel bag inlet protection after street paving.</td>
</tr>
<tr>
<td>D - After Street Construction/Ready for Building</td>
<td>8</td>
<td>Sediment Fence</td>
<td>E</td>
<td>Where indicated adjacent to street - place at back of curb.</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Seeding and Mulching</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>E - During Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EXAMPLE
EROSION & SEDIMENT CONTROL STAGING PLAN
(Contours not shown for clarity)