



# Clay County

## Erosion and Sediment Control Plan Requirements

Planning & Zoning Dept  
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### Checklist

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

#### **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. (See attached Example-Erosion and Sediment Control Staging Chart & Plan)
- 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.

#### *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 direction of flow for different drainage areas. Include the acreage of each drainage area.
- Critical Areas – Indicate all steep slopes, channels, wetlands, underground springs, and environmentally sensitive areas.

#### *Proposed Plan:*

- Proposed Contours – Show the proposed contours of the site. (*shading preferred*)
- Proposed Drainage Patterns – Show the direction of flow for different drainage areas. Include the acreage of each drainage area.
- Structural/Non-Structural/or Additional BMP Guidance – Show permanent or temporary sediment basins, detention areas or ponds to be used as detention, bio-retention, diversions, design of channels, etc.

- Environmental Site Design Strategies (ESD) – Show techniques used such as; stream buffers, less impervious surface (narrower streets, etc), connected green spaces, pocket parks, strategically placed green infrastructure-such as rain gardens, bioswales, stormwater wetlands, infiltration trenches, perimeter sand filters and similar practices to collect and treat small storm runoff, low impact development (LID) practices or stormwater control measures (SCM's).
- 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.

**Other Permits Required:**

- Land Disturbance Permit (MoDNR)
- Section 401
- Section 404
- Other State applicable permits
- Other Local applicable permits

**EXAMPLE**  
**EROSION AND SEDIMENT CONTROL STAGING CHART**

<b>Project Stage</b>	<b>BMP Plan Ref No.</b>	<b>BMP Description</b>	<b>Remove after Stage:</b>	<b>Notes:</b>
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 have sufficient ground cover established.
	3	Construction Entrance & Staging Area	D	
B – Mass Grading	4	Temporary Sediment Basin	E	Convert to detention basin after 80% of lots are built out.
	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 AND SEDIMENT CONTROL STAGING PLAN

