



Lord Fairfax Soil and Water Conservation District Erosion and Sedimentation Committee Plan Review Checklist

Project: _____ **County:** _____

Narrative:

1. <u>Project Description:</u> Describes the nature and purpose of the land disturbing activity.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Time of year the project will start and conclude
<input type="checkbox"/>	<input type="checkbox"/>	Estimated time for completion of this project
<input type="checkbox"/>	<input type="checkbox"/>	Total impervious area created by development
<input type="checkbox"/>	<input type="checkbox"/>	Ultimate developed conditions for this site are discussed
2. <u>Existing Site Conditions:</u> Describes existing topography, vegetation and drainage.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Indicates the percentages of slope(s) on the site.
<input type="checkbox"/>	<input type="checkbox"/>	Vegetation that can be used for erosion control, or areas to be left undisturbed.
<input type="checkbox"/>	<input type="checkbox"/>	Discusses the marking of all areas to be preserved.
<input type="checkbox"/>	<input type="checkbox"/>	Describes the drainage areas in pre and post development giving acreage.
<input type="checkbox"/>	<input type="checkbox"/>	Discusses existing drainage and erosion problems and how they will be addressed.
<input type="checkbox"/>	<input type="checkbox"/>	Describes the orientation of all slopes existing and proposed (i.e. north or south facing).
<input type="checkbox"/>	<input type="checkbox"/>	Discusses how existing conditions can be utilized to reduce erosion and how E&S controls will be designed to facilitate this site.
<input type="checkbox"/>	<input type="checkbox"/>	Includes photographs of site.

3. <u>Adjacent Areas:</u> Describes all neighboring areas such as streams, lakes, residential areas, roads, etc., that may be effected by this development.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Potential for off-site damage is discussed.
<input type="checkbox"/>	<input type="checkbox"/>	All environmentally sensitive areas are discussed.
<input type="checkbox"/>	<input type="checkbox"/>	Private and public lands adjacent to site are discussed addressing all possible problems to consider for traffic, dust, increased run-off, etc.
<input type="checkbox"/>	<input type="checkbox"/>	Discusses all perimeter controls.
4. <u>Off-site Areas :</u> Describes all off-site areas such as borrow sites, waste or surplus sites.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	All off-site areas have an approved plan to supplement the overall plan.
<input type="checkbox"/>	<input type="checkbox"/>	Proof of permitting provided for all off-site areas under a separate permit.
<input type="checkbox"/>	<input type="checkbox"/>	Specifies location of all off-site areas.
5. <u>Soils:</u> Briefly describes the soils on the site providing soil name, mapping unit, erodibility factor, permeability, depth, texture and soil structure.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Indicates references for soils information.
<input type="checkbox"/>	<input type="checkbox"/>	Copy of Soils Map provided.
<input type="checkbox"/>	<input type="checkbox"/>	Indicates the site plan page where soils are delineated.
6. <u>Critical Areas:</u> Describes all areas on site that have serious erosion problems (i.e. steep slopes, channels, wet weather/ underground springs etc.).		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Discusses all areas of the project, which may become

	critical during the project. For example, some areas of the site may have long or steep slopes during a certain phase of the grading.	
<input type="checkbox"/> <input type="checkbox"/>	Indicates areas to be left alone until they can be graded and stabilized in favorable conditions.	
<input type="checkbox"/> <input type="checkbox"/>	Discusses precautions to communicate limits of these areas to contractors and equipment operators	
7. <u>Erosion and Sediment Control Measures:</u> Describes the methods that will be used to control erosion and sedimentation on the site.		
Yes	No	Comments
<input type="checkbox"/> <input type="checkbox"/>	Provides specification numbers for all control measures and indicates their locations.	
<input type="checkbox"/> <input type="checkbox"/>	Discusses why these particular practices were selected.	
<input type="checkbox"/> <input type="checkbox"/>	Discusses the sequence of installation; including maintenance and removal of each control.	
<input type="checkbox"/> <input type="checkbox"/>	Indicates the type of seed for temporary seeding.	
8. <u>Permanent Stabilization:</u> Describes how the site will be stabilized after construction.		
Yes	No	Comments
<input type="checkbox"/> <input type="checkbox"/>	Provides adequate measures for final stabilization.	
<input type="checkbox"/> <input type="checkbox"/>	Provides correct seeding times , consistent with the construction sequence.	
<input type="checkbox"/> <input type="checkbox"/>	Includes any soil testing requirements.	
<input type="checkbox"/> <input type="checkbox"/>	Includes seeding, fertilizer and liming specifications.	
<input type="checkbox"/> <input type="checkbox"/>	Proposes an appropriate permanent vegetative cover.	
<input type="checkbox"/> <input type="checkbox"/>	Discusses all areas that require stabilization by other means (non -vegetative stabilization ,gravel, paving, etc.)	

9. Stormwater Runoff Considerations: Discusses whether the development will cause an increase in peak runoff rates. Describes any possible increase in runoff which may cause flooding or channel degradation downstream. Includes strategies to control stormwater runoff.

Yes	No		Comments
<input type="checkbox"/>	<input type="checkbox"/>	Discusses protection of downstream properties and waterways.	
<input type="checkbox"/>	<input type="checkbox"/>	Discusses how increased runoff will be managed during construction.	
<input type="checkbox"/>	<input type="checkbox"/>	Discusses permanent structures and provides site plan page references for these items.	

10. Calculations: Provides detailed calculations for the design of temporary sediment basins, permanent detention basins, diversions, channels, etc. Includes calculations for pre and post development runoff.

Yes	No		Comments
<input type="checkbox"/>	<input type="checkbox"/>	Provides calculation worksheets showing pre-development and post-development runoff.	
<input type="checkbox"/>	<input type="checkbox"/>	Clearly presents and organizes calculation methods.	
<input type="checkbox"/>	<input type="checkbox"/>	Calculations support the design in regard to adequate protection of downstream properties and waterways .	

11. Maintenance: Provides a schedule for maintenance of permanent control measures.

Yes	No		Comments
<input type="checkbox"/>	<input type="checkbox"/>	Indicates responsible party for maintenance during construction and after construction	
<input type="checkbox"/>	<input type="checkbox"/>	Provides a schedule for inspections.	
<input type="checkbox"/>	<input type="checkbox"/>	Lists maintenance items to check and perform as well as precautions for large storms	

Erosion Control Site Plan

1. <u>Vicinity Map</u> : Locates the site in relation to the surrounding area, indicating roads and local landmarks which identify the site.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Provides a vicinity location map such as a reproduction From a topo map, road map etc.
2. <u>Indicates north</u> :		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Provides directional north indicator arrow on each sheet.
3. <u>Limits of Clearing</u> : Areas that are to be cleared and graded.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Areas to be disturbed (limits of clearing and grading) are clearly marked on site plan.
<input type="checkbox"/>	<input type="checkbox"/>	Notation made as to how the site will be marked in the field (i.e, staking and flagging).
<input type="checkbox"/>	<input type="checkbox"/>	All areas not to be disturbed are clearly marked .Notation made how these areas will be identified in the field
4. <u>Existing Contours</u> : Existing contours of the site before development.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Existing contours shown as broken (dashed) lines at intervals not exceeding 5 feet unless otherwise approved
<input type="checkbox"/>	<input type="checkbox"/>	All pre-development drainage areas are clearly defined on plan.
<input type="checkbox"/>	<input type="checkbox"/>	All potentially critical areas such as slopes are indicated.

<input type="checkbox"/>	<input type="checkbox"/>	All cut and fill areas are clearly indicated	
5. <u>Final Contours:</u> All changes to the existing contours, including final drainage patterns			
Yes		No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	All final grades and drainage areas are clearly indicated	
<input type="checkbox"/>	<input type="checkbox"/>	Any pre-development drainage areas which has increased is clearly indicated on plan	
<input type="checkbox"/>	<input type="checkbox"/>	Shows any final grades which create critical areas for stabilization.	
<input type="checkbox"/>	<input type="checkbox"/>	Provides specifications for vegetative cover for all slopes at final grade.	
6. <u>Existing Vegetation:</u> Existing tree lines, grassed areas or unique vegetation.			
Yes		No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Shows all tree lines and existing vegetation	
7. <u>Soils:</u> Boundaries for all different soil groups			
Yes		No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	Shows the mapping unit boundaries for all soil types. Provides soil classification information, shows borings if any.	
8. <u>Existing Drainage Patterns:</u> The dividing lines and the direction of flow for all existing drainage areas.			
Yes		No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	All existing drainage areas must be indicated by acreage and show the direction of flow.	

<input type="checkbox"/> <input type="checkbox"/>	Plans shows all basins, traps and/or other structures Necessary to erosion control	
<input type="checkbox"/> <input type="checkbox"/>	Designs for all proposed structures are consistent with the requirements in the Virginia Erosion and Sediment Control Handbook.	
<input type="checkbox"/> <input type="checkbox"/>	Site plan indicates diversions for offsite drainage.	
9. <u>Critical Erosion Areas:</u> Highlights areas that have a serious erosion problem or the potential for a serious problem.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	
	All critical, environmentally sensitive or prohibited areas are indicated on the plan .Notations state the reason for concerns.	
<input type="checkbox"/>	<input type="checkbox"/>	
	Special consideration given to stream crossings, other permitting requirements, soil stock piles, trash and debris removal, fuel storage etc.	
10. <u>Site Development:</u> Shows all improvements such as buildings, parking lots, access roads, and utility construction.		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	
	Site plan shows all improvements intended such as buildings, roads, temporary access roads, right-of-ways and temporary and permanent easements.	
<input type="checkbox"/>	<input type="checkbox"/>	
	All utility improvements proposed on-site and off-site are Shown	
11. <u>Location of Practices:</u> The locations for all erosion and sediment controls and stormwater management practices proposed for site		
Yes	No	Comments
<input type="checkbox"/>	<input type="checkbox"/>	
	All practices including vegetation are clearly labeled on site plans.	

<input type="checkbox"/>	<input type="checkbox"/>	Site plan contains a legend denoting symbols, line uses and other special characters	
12. <u>Off-site Areas:</u> Identifies all off-site land-disturbing activities such as borrow areas and waste sites. All necessary control devices must be depicted on plan or on a separate plan.			
Yes	No		Comments
<input type="checkbox"/>	<input type="checkbox"/>	Provides a separate plan for proposed off-site borrow or disposal areas.	
<input type="checkbox"/>	<input type="checkbox"/>	Provides for adequate measure to stabilize of-site areas.	
<input type="checkbox"/>	<input type="checkbox"/>	The plan identifies the responsible party for off-site activities.	
13. <u>Detailed Drawings:</u> all proposed structural practices shall be referenced from the Virginia Erosion and Sediment Control Handbook or additional details provided for all structures that are referenced in the handbook.			
Yes	No		Comments
<input type="checkbox"/>	<input type="checkbox"/>	Details properly designed and clearly dimensioned to reflect the ability to be built in the field	
<input type="checkbox"/>	<input type="checkbox"/>	Proposed structures of alternative design have adequate details for constructing.	
<input type="checkbox"/>	<input type="checkbox"/>	All drawings, elevations and cross section details indicate design scale	
<input type="checkbox"/>	<input type="checkbox"/>	An outlet protection schedule is provided on the plans.	

<input type="checkbox"/> <input type="checkbox"/>	The sizes for all proposed pipe, flume and slope drains provided on the plans.	
<input type="checkbox"/> <input type="checkbox"/>	The plan details include VESCH specification numbers.	
<input type="checkbox"/> <input type="checkbox"/>	Details of all practices being used provided on the plans.	
14. Maintenance, A schedule of regular inspections and repair of erosion and sediment structures should be set forth.		
Yes	No	Comments
<input type="checkbox"/> <input type="checkbox"/>	The plan indicates who is responsible for maintenance and repair of al E & S measures on the project	
<input type="checkbox"/> <input type="checkbox"/>	The plan indicates who the preliminary contact for notification of problems and/ or emergencies will be .	
<input type="checkbox"/> <input type="checkbox"/>	The plan provide a maintenance schedule and specifications for the proper clean out and maintenance of all major structures such as basins, traps, silt fence etc.	
<input type="checkbox"/> <input type="checkbox"/>	The plan requires monitoring reports to be submitted From the RLD.	

Date Received: _____

Approved **Rejected** **Date Action taken:** _____

Comments: _____

Plan Review Committee Chairman _____ **Date** _____