

Delaware Department of Transportation
 Stormwater Checklist for Division of Transportation Solutions Projects

Directions for Completing the Checklist

- This checklist indicates what content should be included on each plan sheet at each submission.
- The checkboxes indicate that information is required and must be included in the plan submission.
- For each submission, indicate that the required information has been included in the plan submission by placing an "X" in the appropriate checkbox.
- Items may need to be added for some projects and may not be required for others. If the Project Manager determines an item is not required, place a strikethrough line through the item that is not required.
- DelDOT's Project Manager shall review this checklist with the Designer/Consultant at each submission to verify that all necessary information has been included in the plans and shall sign below for each submission to attest to the completeness of the plan submission. (Electronic Signature is Acceptable)

Project Information			
Contract #:		Primavera ID:	
Contract Name:			
Designer:		Project Manager:	

Verification of Submission Completeness		
Submission	Designer Approval	Project Manager Approval
Survey Plans		
Preliminary Plans		
Semi-Final Plans		
Final Plans		

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Title				
	Survey	Prelim	Semi	Final
Signature block for the Stormwater Engineer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Legend				
	Survey	Prelim	Semi	Final
Legend showing plan designation symbols for all erosion and sediment control practices. This may be shown on another sheet if applicable. Make sure to use latest version.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Typical Sections				
	Survey	Prelim	Semi	Final
Locations and types of all roadside permanent vegetation.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All grass ditches and swales are to be matted with ECB or TRM based on shear stress calculations. Ditches and swales should be designed with a minimum 2' flat bottom.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mulch shall be shown (or designated) as per the mulching guidelines		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Construction Plans				
	Survey	Prelim	Semi	Final
If pipe is a principal spillway, designate Class A bedding.			<input type="checkbox"/>	<input type="checkbox"/>
Proposed location of all permanent stormwater management facilities. Only an outline is required in the construction Plans. The Stormwater Management Plans will include specific grading and detail.			<input type="checkbox"/>	<input type="checkbox"/>
BMP ID facility number provided for each BMP shown. If bioswale(s) are implemented, then bioswale schedule needs to be shown.			<input type="checkbox"/>	<input type="checkbox"/>
Directional flow arrows for all existing runoff conveyance systems. (i.e. channels, ditches, pipes etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Directional flow arrows for all proposed runoff conveyance systems. (i.e. channels, ditches, pipes etc.)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show and label all existing tributaries and surface water bodies on the plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Profiles				
	Survey	Prelim	Semi	Final
Show profiles for all existing storm drain pipes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show profiles for all proposed storm drain pipes.			<input type="checkbox"/>	<input type="checkbox"/>

Stormwater Management Plans				
	Survey	Prelim	Semi	Final
Details for all permanent stormwater management facilities (i.e. pond outlet structures) shown on the Construction Sheets including plan views, section views, profiles, notes, and any additional information as required to properly convey the intent of the design.			<input type="checkbox"/>	<input type="checkbox"/>
Existing and proposed grading contours of all permanent stormwater management facilities shall be based on mean sea level datum and provided at one (1) foot intervals.			<input type="checkbox"/>	<input type="checkbox"/>
BMP facility profile. Show from facility inlet through stabilized outfall and water surface elevations for all calculated storm events.			<input type="checkbox"/>	<input type="checkbox"/>
Spillway cross section.			<input type="checkbox"/>	<input type="checkbox"/>
Embankment cross section.			<input type="checkbox"/>	<input type="checkbox"/>
Side slope benching and stabilization such as topsoil, type of seed mix, and mulch.			<input type="checkbox"/>	<input type="checkbox"/>
Forebay grading.			<input type="checkbox"/>	<input type="checkbox"/>
Phreatic line.			<input type="checkbox"/>	<input type="checkbox"/>
Top and bottom of cutoff core and Class A bedding under principal spillway.			<input type="checkbox"/>	<input type="checkbox"/>
Peak water surface elevations for each design storm.			<input type="checkbox"/>	<input type="checkbox"/>
Method of seepage control.			<input type="checkbox"/>	<input type="checkbox"/>
Scour protection at points of discharge.			<input type="checkbox"/>	<input type="checkbox"/>
Orifice trash protection (6-inch maximum spacing between all bars).			<input type="checkbox"/>	<input type="checkbox"/>
Structural details of the facility's principal spillway including dimensions, strength of concrete, type, and placement of reinforcing steel, etc.			<input type="checkbox"/>	<input type="checkbox"/>
Maintenance access road to facility.			<input type="checkbox"/>	<input type="checkbox"/>
BMP facility sequence of construction.			<input type="checkbox"/>	<input type="checkbox"/>

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Construction Phasing, MOT and Erosion Control Plans				
	Survey	Prelim	Semi	Final
Location of all erosion and sediment control measures designated by their standard plan symbol and appropriate identifier.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sediment Basin and/ or Stormwater management facility locations.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All tributaries and surface water bodies on the plan. If the surface waters are named, label them on the plans.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sediment traps and a summary table listing all required information.			<input type="checkbox"/>	<input type="checkbox"/>
Sequence of Construction for each phase of Work Addressing the Following Construction Items:				
Clearing and grubbing of those areas necessary for installation of perimeter controls (i.e. silt fence, sediment traps, earth dikes, etc.)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installation/ construction of perimeter controls.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remaining clearing and grubbing for the project.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stream diversions and site dewatering.			<input type="checkbox"/>	<input type="checkbox"/>
Roadway grading, excavation, and embankment.			<input type="checkbox"/>	<input type="checkbox"/>
All final cut and fill slopes of the highway excavation and embankment shall be permanently stabilized.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timing and location of temporary stabilization when this can be determined in advance.			<input type="checkbox"/>	<input type="checkbox"/>
Installation/ Construction of stormwater management practices.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final Grading.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final Stabilization.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conversion of sediment basin to permanent BMP facility when approved by the Stormwater Engineer.			<input type="checkbox"/>	<input type="checkbox"/>
Removal of temporary sediment control practices when approved by the Engineer with concurrence from the Stormwater Engineer.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Erosion Potential for Project Requirement checked.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limit of Disturbed Area (LOD) quantity in acres.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Final Stormwater Management Report				
	Survey	Prelim	Semi	Final
SWM Report Format.			<input type="checkbox"/>	<input type="checkbox"/>

Notice of Intent (NOI) (only if LOD > 1.0 acre)				
	Survey	Prelim	Semi	Final
Expected construction start/end date.				<input type="checkbox"/>
Latitude/longitude (degrees, minutes, seconds).				<input type="checkbox"/>
Amount of disturbed area (LOD) in acres.				<input type="checkbox"/>