Mason County Stormwater Checklist

County Project #_____
Project Name_____
Twnsp,Sec,Range_____

Minimum Requirements of 1992 Stormwater Manual

The stormwater checklist identifies the minimum requirements of the 1992 Stormwater Manual. The checklist is intended to identify the locations within the plan that addresses the minimum requirements. Mason County will not perform a technical evaluation of the submittal. Rather, the checklist provides a guide to allow Mason County to review the submittal and determine if the applicant has addressed the minimum features that make up a stormwater plan.

It is incumbent upon the applicant and his/her engineer to fulfill all the applicable requirements of the 1992 Stormwater Plan as it relates to the proposed project. Review by Mason County is intended to determine if the plan has addressed the minimum requirements. Applicant's engineer shall be responsible for the technical accuracy of the submitted Stormwater plan.

During construction of the project, the stormwater plan engineer of record or his/her authorized representative shall inspect the site to ensure the stormwater plan is being implemented as designed. Upon completion of the project, the engineer or his authorized representative shall be required to certify that the stormwater plan has been implemented as designed.

Failure to meet the minimum requirements could result in delay or rejection of the application until the deficiencies are corrected.

☐ **#1: Erosion and Sediment Control**. All new development and redevelopment that includes land disturbing activities of one acre or greater shall comply with erosion and sediment control requirements 1 through 14, below. Compliance with the Erosion and Sediment Control Requirements shall be demonstrated through implementation of a large parcel erosion and sediment control plan.

All new development and redevelopment that includes land disturbing activities of less than one acre shall comply with the small parcel minimum requirements found in Section 14.48.140, Compliance with the small parcel requirements shall be demonstrated through implementation of a small parcel erosion and sediment control plan.

Erosion and Sediment Control Requirement #1: Stabilization and Sediment Trapping.
See page/paragraph _____

Erosion and Sediment Control Requirement #2: Delineate Clearing and Easement Limits.
See page/paragraph _____

Erosion and Sediment Control Requirement #3: Protection of Adjacent Properties.
See page/paragraph _____

Erosion and Sediment Control Requirement #4: Timing and Stabilization of Sediment Trapping Measures.
See page/paragraph _____

Erosion and Sediment Control Requirement #5: Cut and Fill Slopes.
See page/paragraph _____

Erosion and Sediment Control Requirement #6: Controlling Off-Site Erosion.
See page/paragraph _____

Erosion and Sediment Control Requirement #7: Stabilization of Temporary Conveyance Channels and Outlets.
See page/paragraph _____

Erosion and Sediment Control Requirement #8: Storm Drain Inlet Protection.
See page/paragraph _____

Erosion and Sediment Control Requirement #9: Underground Utility Construction.
See page/paragraph _____

Erosion and Sediment Control Requirement #10: Construction Access Routes.
See page/paragraph _____

Erosion and Sediment Control Requirement #11: Removal of Temporary BMPs.
See page/paragraph _____

Erosion and Sediment Control Requirement #12: Dewatering Construction Sites.
See page/paragraph _____

Erosion and Sediment Control Requirement #13: Control of Pollutants Other than Sediment on Construction Sites.
See page/paragraph _____

Erosion and Sediment Control Requirement #14: Maintenance.
See page/paragraph _____

Erosion and Sediment Control Requirement #15: Financial Liability.
See page/paragraph _____

☐ **#2**: **Preservation of Natural Drainage Systems**. Natural drainage patterns shall be maintained, and discharges from the site shall occur at the natural location to the maximum extent practicable.
See page/paragraph _____

☐ **#3: Source Control of Pollution.** Source control BMPs shall be applied to all projects to the maximum extent practicable. Source control BMPs shall be selected, designed, and maintained according to an approved manual.
See page/paragraph _____

☐ **#4: Runoff Treatment BMPs**. All projects shall provide treatment of stormwater. Treatment BMPs shall be sized to capture and treat the water quality storm, defined as the six-month, twenty-four hour storm. The first priority for treatment of stormwater shall be to infiltrate as much as possible of the water quality design storm into the ground. Pretreatment of stormwater prior to infiltration into the ground may be required.
See page/paragraph _____

☐ **#5**: **Streambank Erosion Control.** The requirement below applies only to situations where stormwater runoff is discharged directly or indirectly to a stream, and must be met in addition to meeting the requirements in minimum requirement #4, Runoff Treatment BMP's.
See page/paragraph _____

☐ **#6**: **Wetlands.** Stormwater discharges to wetlands shall maintain the wetland's natural hydroperiod and flows to the extent needed to preserve or enhance its existing functions and values. Prior to proposing discharge of higher volumes of stormwater to a wetland, alternative discharge, detention, and infiltration practices located in areas outside the wetland shall be evaluated and employed by the project engineer where feasible and practicable.
See page/paragraph _____

☐ **#7**: **Water Quality Sensitive Areas**. Where the Mason County commissioners or their designee determine that the minimum requirements do not provide adequate protection of water quality sensitive areas, either on-site or within the basin, more stringent controls shall be required to protect water quality. An adopted and implemented basin plan (minimum requirement #9) may be used to develop requirements for water quality sensitive areas that are tailored to a specific basin.
See page/paragraph _____

☐ **#8**: **Off-Site Analysis and Mitigation**. Downstream Analysis May Trigger Additional Requirements. The project engineer shall provide a detailed qualitative analysis of the flow path of the discharge from the project site to the receiving water. This requirement shall apply to all projects where a drainage and erosion control plan is prepared, including those proposing retention facilities. This analysis shall include flow routing, and provide existing pipe and channel sizes and estimated capacities. In addition, the project engineer shall discuss any known or expected downstream erosion, flooding, or water quality problems, including those that may be caused by interflow from the proposed retention facility. The Director of Public Works or designee shall have the discretion to specify the distance and level of detail to be provided by the project engineer. In making this determination, the Director of Public Works or designee shall consider such factors as the relative size of the new development, availability of other hydrologic work for the drainage area, and the extent to which stormwater generated on the project site is to be infiltrated.

See page/paragraph _____

☐ **#9: Basin Planning. Basin** plan supersedes Manual
See page/paragraph _____

☐ **#10: Operation and Maintenance**. An operation and maintenance schedule shall be provided for all proposed stormwater facilities and BMPs, and the party (or parties) responsible for maintenance and operation shall be identified. An operation and maintenance (O&M) Declaration of Covenant will be required to cover all privately owned and maintained stormwater facilities. O&M Declaration of Covenant forms are available at the Mason County Permit Assistance Center, 426 W. Cedar Street, Shelton, WA 98584. The proponent shall record a copy of the completed Declaration with the Mason County Auditors' office. A copy of the recorded document must be submitted to the Permit Assistance Center together with this completed Checklist.
See page/paragraph _____

I certify that the stormwater plan submitted for this project fulfills the applicable provisions of the 1992 Stormwater Manual.

_____ _____
Engineer Date

_____ _____
Applicant Date

Place signed Stamp Here

ITEMS TO CONSIDER WHEN COMPLETING THE CHECKLIST

☐ Is your project in an area that is under the guidance of the Department of Ecology's 2005 Stormwater Manual (see below)? If so, you will need to use a different checklist specific to that Manual.

Areas Under Guidance of 2005 Manual	Year Effective
Allyn and Belfair UGA	2008
Marine Recovery Areas/Shelton UGA	June 2009
Shellfish Protection Districts	June 2010
LAMIRDs & Rural Activity Centers	June 2011
All other County areas outside Designated Forest Lands	June 2012

If your project is within those areas above prior to the effective year, you will need to continue to follow the guidance provided to you for the 1992 Stormwater Manual checklist. If your project is within one of the areas listed above after or during the effective year, you will need to use the 2005 Stormwater Manual checklist. If it is unclear which manual applies to your project, please consult with the Department of Community Development (360) 427-9670, ext. 352 for further determination.

☐ Does the drainage affect WSDOT Ditches. If Yes, contact must be made with WSDOT.

☐ Runoff that satisfies 1992 Manual requirements does not necessarily meet WSDOT standards for runoff into their ditchlines

☐ Is runoff affecting County or private ditches? Needs to be addressed.

☐ What are the impacts downstream? Are they addressed.

☐ Has water quality and quantity BMP's been provided as required?

☐ Has provision been made to resize culverts if required?

☐ Have you provided calculations for basin(s) conveying to point of compliance?

☐ Have you provided calculations for stormwater features: pond sizing, conveyance systems, etc.

☐ Does Geological Assessment/Report address stormwater features placed near slopes?

☐ Do we need to recommend more BMP's

☐ Does your proposal disrupt natural drainage systems and if so what is the mitigation?

☐ Is the designer's PE Stamp and signature provided on calculations and drawings?