



LMRWD Rule F (Steep Slopes) Cover Page

Required Exhibit/Information	Included? (Y/N)	If included, where in the submittal materials is the requirement met? If not, why was the exhibit/information not included?
Narrative		
Total amount of disturbance proposed by project, both in terms of surface area (SF) and volume (CY)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Explanation of existing and proposed conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Name, address, and telephone number(s) of all property owners	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Name, address, and telephone number(s) for all contractors undertaking land-disturbing activities as part of the proposed project	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Property owner's signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Statement granting the District and its authorized representatives' access to the site for inspection purposes	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Designation of an individual who will remain liable to the District for performance under this Rule from the time the permitted activities commence until vegetative cover is established and the District has certified satisfaction with erosion and sediment control requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Erosion and Sediment Control Plan		
Topographic maps of existing and proposed conditions that clearly indicate all hydrologic features and areas where grading will expose soils to erosive conditions as well as the flow direction of all runoff (Single-family home construction or reconstruction projects may comply with this provision by providing satellite imagery or an oblique map acceptable to the District.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tabulation of the construction implementation schedule for all projects except construction or reconstruction of a single-family home	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Name, address, and phone number of the individual responsible for inspection and maintenance of all erosion and sediment control measures	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Temporary erosion and sediment control measures that will remain in place until vegetation is established	<input type="checkbox"/> Yes <input type="checkbox"/> No	
All final erosion control measures and their locations	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Staging areas, as applicable	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Delineation of any floodplain and/or wetland area changes	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Documentation of the project's NPDES Construction Stormwater Permit status, if applicable	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Stormwater Modeling		
Stormwater management system modeling in a form acceptable to the District and that uses the most recent applicable precipitation reference data (e.g., Atlas 14), such as HydroCAD, SWMM, MIDS calculator, or P8 for all discharge locations and clearly demonstrates no changes to existing drainage patterns, rates, and volumes	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Site Plan		
Property lines and delineation of lands under ownership of the applicant	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Existing and proposed elevation contours	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Identification of existing and proposed normal and ordinary 100-year and high water elevations on-site	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Stormwater Management Plan		
Proposed and existing stormwater facilities location, alignment, and elevation	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Delineation of existing wetlands, marshes, shoreland, and/or floodplain areas on-site or to which any portion of the project parcel drains except when a project will not alter or change the hydrology of a wetland, and the wetland need only be identified on the plan	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Geotechnical analysis, including soil borings, at all proposed stormwater management facility locations	<input type="checkbox"/> Yes <input type="checkbox"/> No	
If infiltration of runoff is proposed, data must be submitted showing the following: 1. No evidence of groundwater or redoximorphic soil conditions within three (3) feet of the bottom of the facility, practice, or system 2. Soil conditions within five (5) feet of the bottom of any stormwater treatment facility, practice, or system 3. If requested by the engineer, site-specific infiltration capacity of soils at the bottom of the facility, practice, or system. In addition, the District engineer may require submission of a phase I environmental site assessment and/or other documentation to facilitate analysis by the District of the suitability of the site for infiltration	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction plans and specifications for all proposed stormwater management facilities, including design details for outlet control structures	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Stormwater runoff volume and rate analyses for the 2-, 10-, and 100-year 24-hour critical events and existing and proposed conditions using Atlas 14 nested distribution	<input type="checkbox"/> Yes <input type="checkbox"/> No	
All hydrologic, water quality, and hydraulic computations completed to design the proposed stormwater management facilities	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Narrative addressing incorporation of retention BMPs	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Platting or easement documents showing sufficient drainage and ponding/flowage easements over hydrologic features, such as floodplains, storm sewers, ponds, ditches, swales, wetlands, and waterways, if required by the municipality with jurisdiction	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Documentation of the project's NPDES Construction Stormwater Permit status, if applicable	<input type="checkbox"/> Yes <input type="checkbox"/> No	
If a stormwater harvest and reuse practice is proposed to meet applicable requirements, submission of the following: <ol style="list-style-type: none">1. An analysis using a stormwater reuse calculator or equivalent methodology approved by the District engineer2. Documentation of the adequacy of soils, storage capacity, and delivery systems3. Delineation of green space area to be irrigated, if applicable4. A detailed irrigation or usage plan showing compliance with the District volume-retention requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Off-Site Stormwater Facilities		
If off-site stormwater or regional conveyance systems are proposed, the applicant must provide documentation that the applicant holds the legal rights necessary to discharge to any off-site stormwater facility/facilities used for compliance, that the proposed design is in compliance with the original off-site stormwater facility design assumptions and capacity constraints, and that the facility/facilities are subject to a maintenance document satisfying the requirements of this rule.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Maintenance		
For any structural stormwater BMPs that may be constructed as part of the proposed activities, the applicant must provide a maintenance plan and applicable maintenance agreements (Note that in many cases a municipal stormwater agreement may be acceptable in lieu of a separate agreement with the District.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Certification		
Construction plans and specifications certifying construction on the steep slope by a registered professional engineer; the certification must indicate that the slope is suitable to withstand proposed construction.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Authorization of Agent Form		
If applicant for the project is NOT the landowner for where the project is located, please include Authorization of Agent form.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Signature

By signing this document, I certify that the associated permit application is complete and includes all required information and exhibits.

Name (Authorized Agent or Landowner)

Date



LOWER MINNESOTA RIVER
WATERSHED DISTRICT