

Summary of City of St. Paul and MWMO Stormwater Performance Standards

Category	MWMO Standard*	City Standard**	City Standard Reference**	City Contact	Applicable Tools
Trigger	> 1 acre of land disturbance (see complete MWMO Standards language for a list of exemptions)	Permanent water quality treatment required for sites with 1 acre or more of disturbance. Erosion and sediment control plans are required for disturbance >10,000 square feet. Rate control is required for sites ¼ acre or greater.	City Code Ch. 52 Stormwater Management Design Standards Local Water Management Plan	Department of Safety and Inspections	
Rate Control	Defer to City (or MS4) rate control standards	Proposed runoff rates shall not exceed existing runoff rates for the 2-year, 10-year, and 100-year 24-hour storm events using Atlas 14 precipitation depths and MSE3 storm distributions. The City may further restrict rates as systems require	City Code Ch. 52 Stormwater Management Design Standards	Public Works Department	<ul style="list-style-type: none"> • HydroCAD • SWMM
Water Quality/ Volume Control	<p>For nonlinear projects: 1.1 inches of runoff from the new and fully reconstructed impervious surfaces shall be captured and retained on site.</p> <p>For linear projects: the larger of the following shall be captured and retained on site:</p> <ul style="list-style-type: none"> i. 0.55 inches of runoff from new and fully reconstructed impervious surfaces ii. 1.1 inches of runoff from the net increase in impervious area <p>For projects on sites with limitations, follow the MWMO Design Sequence Flow Chart (Appendix I of the MWMO's Watershed Management Plan) or an MWMO-approved alternative to identify a path to compliance through Flexible Treatment Options (also presented in Appendix I).</p>	For projects that disturb one or more acres of land, stormwater runoff shall be retained onsite in the amount equivalent to 1.1 inches of runoff over the impervious surfaces of the development.	City Code Ch. 52 Stormwater Management Design Standards Local Water Management Plan	Department of Safety and Inspections	<ul style="list-style-type: none"> • P8 • MIDS calculator • WinSLAMM

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Volume Control Guidance	See complete MWMO Standards language for full details.	Infiltration facilities must conform to the most current technology as reflected in the City’s “Stormwater Management Design Standards” and the current requirements found in the MPCA’s NPDES permits for stormwater associated with construction activities.	City Code Ch. 52 Stormwater Management Design Standards	Department of Safety and Inspections	<ul style="list-style-type: none"> • Minnesota Stormwater Manual • NPDES Construction Stormwater Permit
Maintenance	Stormwater management facilities shall be maintained to assure they function as originally designed. Owners must follow an inspection and maintenance schedule approved by the permitting entity and correct any performance issues that arise.	<p>All stormwater pollution control management facilities must have a plan of operation and maintenance that ensures continued effective removal of the pollutants carried in stormwater runoff.</p> <p>The owner of a detention basin, water quality pond or water quality treatment device shall provide either the City with an executed copy of an Agreement for Maintenance and Inspection of Utility and Storm Drainage Systems in an acceptable form.</p>	City Code Ch. 52 Stormwater Management Design Standards Local Water Management Plan	Department of Safety and Inspections	
Drainage Alterations	No person shall alter stormwater flows at a property boundary by changing land contours, diverting or obstructing surface or channel flow, or creating a basin outlet, without obtaining any necessary city permits.	Diversion of natural or fabricated watercourse is considered a land disturbance and subject to permit and stormwater plan.	City Code Ch. 52 Stormwater Management Design Standards	Department of Safety and Inspections Public Works Department	

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Wetland Bounce and Duration Control	The project must meet maximum allowable water level bounce (i.e., water level increase) and drawdown times (time to return to normal water level) according to wetland susceptibility classification (see complete MWMO standard).	Project is subject to MWMO performance standards, as applicable.	City Code Ch. 52 Stormwater Management Design Standards Local Water Management Plan	Department of Safety and Inspections	<ul style="list-style-type: none"> • HydroCAD • SWMM
Flood Control	Defer to City (or MS4) flood control standards.	The low floor elevation for new construction must be a minimum of 2 foot above the critical 100-year flood elevation of waterbodies with outlets (and 5 feet above for waterbodies without outlets).	City Code Ch. 72 City Code Ch. 52 Stormwater Management Design Standards	Department of Safety and Inspections	<ul style="list-style-type: none"> • HydroCAD • SWMM
Erosion and Sediment Control	<ul style="list-style-type: none"> • Must meet NPDES Construction Stormwater General Permit requirements • Activity shall be phased to minimize disturbed areas subject to erosion at any one time. • All construction site waste shall be properly managed and disposed of so they will not have an adverse impact on water quality. • Silt fence, if installed, shall conform to sections 3886.1 and 3886.2, Standard Specifications for MnDOT 	Stormwater management and erosion and sediment control shall conform to the current requirements found in the MPCA’s NPDES permits for stormwater associated with construction activities. This includes scheduling construction activities to lessen their impact on erosion and sediment creation, so as to minimize the amount of exposed soil.	City Code Ch. 52 Stormwater Management Design Standards	Department of Safety and Inspections	

Notes:

* this table is a summary of MWMO Standards – the [full version](#) is included in the MWMO Watershed Management Plan. The MWMO is not a regulatory entity; permits related to stormwater management are issued by the City.

** City information included in this table should be verified with appropriate City staff.

