

Summary of City of Hilltop 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)	Any land disturbing activity or building permit requires a stormwater management plan.	City Code Chapter 14	City Clerk	
Rate Control	Defer to City (or MS4) rate control standards	Peak rate of runoff from land disturbing or development activity shall not exceed existing rates for the 2-year, 10-year, and 100-year rainfall events and shall not result in accelerated channel erosion.	City Code Chapter 14	City Clerk	<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>	Projects are reviewed for compliance with MWMO performance standards.	Not applicable	City Clerk	<ul style="list-style-type: none"> • P8 • MIDS calculator • WinSLAMM

Summary of City of Hilltop and MWMO Stormwater Performance Standards

Category	MWMO Standard*	City Standard**	City Standard Reference**	City Contact	Applicable Tools
Volume Control Guidance	See complete MWMO Standards language for full details.	Projects are reviewed for compliance with MWMO guidance.	Not applicable	City Clerk	<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.	Projects are reviewed for compliance with MWMO performance standards.	Not applicable	Engineering	
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.	<p>No land shall be disturbed until a stormwater management plan is approved by the city.</p> <p>Any change in grade affecting water runoff onto an adjacent property must be approved by the city.</p>	City Code Chapter 14	City Clerk	
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).	Projects are reviewed for compliance with MWMO performance standards.	Not applicable	City Clerk	<ul style="list-style-type: none"> • HydroCAD • SWMM

Summary of City of Hilltop and MWMO Stormwater Performance Standards

Category	MWMO Standard*	City Standard**	City Standard Reference**	City Contact	Applicable Tools
Flood Control	Defer to City (or MS4) flood control standards.	<p>Lots abutting upon a drainageway, shall have additional depth or width as required to ensure building sites are not subject to flooding.</p> <p>No land shall be altered and no use shall be permitted that results in water runoff causing flooding.</p>	City Code Chapter 14 Chapter 34	City Clerk	<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 	<p>All activities on the site shall be conducted in a logical sequence to minimize the area of bare soil exposed at any one time.</p> <p>All storm drain inlets shall be protected during construction until control measures are in place with a straw bale, silt fence or equivalent barrier.</p> <p>Projects are reviewed for compliance with MWMO performance standards.</p>	City Code Chapter 14	Engineering	

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.

