

## Summary of St. Anthony Village 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 <a href="#">MWMO Standards</a> language for a list of exemptions)	Every applicant for a building permit, subdivision approval, or a permit in the Commercial, Industrial, R-3, and R-4 Zoning Districts of the city must submit a Storm Water Management Plan to the Public Works Director	<a href="#">City Code</a> Chapter 153	<a href="#">Planning Department</a>	
Rate Control	Defer to City (or MS4) rate control standards	Projects shall provide stormwater controls such that the critical 1-year, 2-year and 100-year storm events existing condition peak discharge rates are not increased following site development.	<a href="#">Local Water Management Plan (Appendix to Comp Plan)</a>	<a href="#">Public Works</a>	<ul style="list-style-type: none"> <li>• <a href="#">HydroCAD</a></li> <li>• <a href="#">SWMM</a></li> </ul>
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"> <li>i. 0.55 inches of runoff from new and fully reconstructed impervious surfaces</li> <li>ii. 1.1 inches of runoff from the net increase in impervious area</li> </ul> <p>For projects on sites with limitations, follow the <a href="#">MWMO Design Sequence Flow Chart</a> (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>	In the design and construction of all new stormwater conveyance systems and modifications to existing stormwater conveyance systems, pretreatment of stormwater runoff to Nationwide Urban Runoff Program (NURP) recommendations will be required prior to discharge where feasible and practical to do so (i.e., storage greater than or equal to the runoff from a 2.5" storm over the entire contributing drainage area assuming full development).	<a href="#">Local Water Management Plan (Appendix to Comp Plan)</a>	<a href="#">Public Works</a>	<ul style="list-style-type: none"> <li>• <a href="#">P8</a></li> <li>• <a href="#">MIDS calculator</a></li> <li>• <a href="#">WinSLAMM</a></li> </ul>

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Volume Control Guidance	See complete <a href="#">MWMO Standards</a> language for full details.	The City encourages infiltration where feasible with consideration for local site restrictions.	<a href="#">Local Water Management Plan (Appendix to Comp Plan)</a>	<a href="#">Public Works</a>	<ul style="list-style-type: none"> <li>• <a href="#">Minnesota Stormwater Manual</a></li> <li>• <a href="#">NPDES Construction Stormwater Permit</a></li> </ul>
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 storm water management facilities shall be designed to minimize the need of maintenance, to provide access for maintenance purposes and to be structurally sound. All storm water management facilities be inspected and maintained in accordance with the city’s local water management plan.</p> <p>Applicants shall obtain any necessary easements to allow access to the stormwater management facilities for inspection and maintenance purposes.</p>	<p><a href="#">City Code Chapter 153</a></p> <p><a href="#">Local Water Management Plan (Appendix to Comp Plan)</a></p>	<a href="#">Public Works</a>	
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.	Every applicant for a building permit, subdivision approval, or a permit in the Commercial, Industrial, R-3, and R-4 Zoning Districts of the city must submit a Storm Water Management Plan to the Public Works Director	<a href="#">City Code Chapter 153</a>	<a href="#">Planning Department</a>	

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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).	Wetland alterations due to excavation, water level changes, or other activities which alter the character of a wetland will meet the performance standards of the MWMO.	<a href="#">Local Water Management Plan (Appendix to Comp Plan)</a>	<a href="#">Public Works</a>	<ul style="list-style-type: none"> <li>• <a href="#">HydroCAD</a></li> <li>• <a href="#">SWMM</a></li> </ul>
Flood Control	Defer to City (or MS4) flood control standards.	Any new or redevelopment within the City will maintain 2 feet of freeboard over the 100-year high water elevation or 1 foot of freeboard over the emergency overflow elevation relative to the lowest building floor.	<a href="#">Local Water Management Plan (Appendix to Comp Plan)</a>	<a href="#">Public Works</a>	<ul style="list-style-type: none"> <li>• <a href="#">HydroCAD</a></li> <li>• <a href="#">SWMM</a></li> </ul>
Erosion and Sediment Control	<ul style="list-style-type: none"> <li>• Must meet NPDES Construction Stormwater General Permit requirements</li> <li>• Activity shall be phased to minimize disturbed areas subject to erosion at any one time.</li> <li>• All construction site waste shall be properly managed and disposed of so they will not have an adverse impact on water quality.</li> <li>• Silt fence, if installed, shall conform to sections 3886.1 and 3886.2, Standard Specifications for MnDOT</li> </ul>	<p>The City shall require, in conformance with the MPCA NPDES rules, the submission and implementation of erosion and sediment control plans for land disturbance activities of one acre or more in size.</p> <p>Plans shall detail the phasing of activities to minimize erosion and proper disposal of material so material is not carried by runoff into channels or storm sewer.</p>	<p><a href="#">City Code Chapter 153</a></p> <p><a href="#">Local Water Management Plan (Appendix to Comp Plan)</a></p>	<a href="#">Public Works</a>	

### 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.

