

Summary of City of Lauderdale 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)	Projects that disturb greater than 1 acre of land or 10,000 sq ft of land adjacent to a water body (wetland, stream, public water, public water wetland) are subject to volume management requirements.	Local Water Management Plan	Zoning and Land Use	
Rate Control	Defer to City (or MS4) rate control standards	Peak rate of runoff from regulated land development or redevelopment shall not exceed existing rates for the 2-year, 10-year, and 100-year rainfall events.	City Code Chapter 8-4	Zoning and Land Use	<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>	<p>For all projects (except public linear projects within MWMO), a water quality treatment volume must be met equal to the area of new or reconstructed impervious surface by 1.1 inches, and divide by a total phosphorus removal factor (see Table 7.1 in local water management plan – the factor is 1.0 for infiltration).</p> <p>For public linear projects within MWMO, the required water quality treatment volume is the area of new impervious surface multiplied by 0.75 inches.</p>	Local Water Management Plan	Zoning and Land Use	<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.	Where practical, the City will encourage the use of infiltration systems that promote water conservation and reuse to reduce discharge volumes and conserve groundwater in existing developed areas, taking into consideration site limitations such as soil conditions, depth to groundwater, safety, snow removal, and maintenance issues.	Local Water Management Plan	Zoning and Land Use	<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.	All stormwater management facilities shall be designed to minimize the need of maintenance, to provide access for maintenance purposes and to be structurally sound. All stormwater management facilities shall follow the operation and maintenance requirements presented in the City's local water management plan. City staff or representative, shall inspect all stormwater management facilities during construction, during the first year of operation, and at least once every 2 years thereafter.	City Code Chapter 8-4 Local Water Management Plan	Public Works	
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.	No land shall be disturbed until a stormwater management plan is approved by the city for projects that disturb greater than 1 acre of land or 10,000 sq ft of land adjacent to a water body	Local Water Management Plan	Zoning and Land Use	

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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).	Projects are reviewed for compliance with MWMO performance standards.	Local Water Management Plan	Zoning and Land Use	<ul style="list-style-type: none"> • HydroCAD • SWMM
Flood Control	Defer to City (or MS4) flood control standards.	The low floor elevation of new structures shall be at least 2 feet above the 100-year High Water Level (HWL) or 1-foot above the emergency overflow of an adjacent pond.	City Code Chapter 10-16	Zoning and Land Use	<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>Detailed in City Code Chapter 8-4. Necessary additional best management practices and design criteria need to be performed in accordance with the "Minnesota Stormwater Manual."</p> <p>Erosion control must include phasing of activities to minimize erosion and proper management and disposal of material to avoid impacts to water quality.</p>	City Code Chapter 8-4	Public Works	

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.

