North Central Texas Council of Governments iSWM PROGRAM IMPLEMENTATION TIERED MEASUREMENT

SUBMITTING COMMUNITY:

				F	Requirements fo	r Implementation Levels		
	Outcome Category Mandatory Recommended Optional		Gold			Silver	Bronze	
			1	11 full application 7 full application		Items 1-10 (full or partial)	Items 1-10 (full or partial) 4 full or partial application	
_			7			7 full or partial application		
			3 full or partial application		ial application			
Note	e: The following out	comes an	ply to lan	d distur	bing activities of 1	acre or more for water quality and str	eambank protectio	n, and apply to all
	disturbing activities	•			-		•	,, , ,,,,,,,,,,,,,,,,,,,,,,,,,,
#	Outcome		COMMU OF APPLIC Partial			Full Application	iSWM Criteria Manual Ref.	Equivalent Local Criteria/Ordinan ce Reference
MA	NDATORY OUTC				<u>.</u>		<u> </u>	
1	Site Plan Review Applicability					uirements discussed at a pre- e-application meeting or equivalent	Section 2.2, Step 3	
2	Land Use Conditions					ter infrastructure to fully-developed use conditions	Section 3.6.1	
3	Hydrologic Methods				Limit Rational M 100 acres or less HO Table 1.4); Li applicability to d	ethod applicability to drainage areas of and utilize frequency factors (per TM mit Modified Rational Method rainage areas of 200 acres or less; For uire Unit Hydrograph methodology	Section 3.1 Table 3.2; TM HO Section 1.2*	
4	Open Channel Velocity Criteria/Energy Dissipation				Require maximu be met and/or u	m permissible channel velocity criteria se erosion control measures for 1-, 25-, nilar storm events to protect receiving	Section 3.6.3, Table 3.10 and 3.11	
5	Detention Structure Discharge Criteria				for fully-develop events matching velocities; Provic	on structure is utilized, design facility ed 1-, 25-, and 100-yr or similar storm pre-development peak flows and de emergency spillway with 6 inches of ivey fully-developed 100-yr storm outlet blockage	Section 3.6.3, Detention Structures	
6	Streambank Protection				Require downstr velocities; maint conditions with o developed 1-yr, 2	eam stabilization to prevent erosive ain existing downstream velocity on-site controls; and/or control fully- 24-hr storm event release over 24	Section 1.3, Table 1.3; Section 3.4	
7	Flood Mitigation				Require adequat discharges; main discharge condit	e downstream conveyance for peak tain existing downstream peak ions with on-site controls; and/or in to pre-development peak discharge	Section 1.3, Table 1.3; Section 3.5.2	
8	Construction Controls				pollutants from o	d the discharge of sediment and other construction sites by adhering to the ruction Criteria or Construction	Section 4.0	
9	Operations and Maintenance				operation, maint	le party and requirements for enance, frequency of inspection, and temporary and permanent stormwater inage facilities	Section 2.2, Step 5	
10	Downstream Assessments				Confirm no nega impacts of peak and 100-yr or sin	tive impact or mitigate negative discharges and velocities for 1-, 25-, nilar storm events	Section 3.3; TM HO Section 2.4*	
11	Supports Regional Public Works initiatives				to the Regional F funding to sustai	must be annual cost-share contributor Public Works program that provides n the iSWM program. (***Required tion applicants and encouraged for r***)		
	TOTALS							

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REC	OMMENDED OL	TCOMES		
12	Conveyance		25-yr fully-developed design storm or higher for:	Section 3.6.2
	Limits		streets, roadway gutters, storm drain pipe systems,	
			inlets on-grade and parking lots;	
			100-yr fully-developed design storm event for:	
			drainage in the right-of-way, drainage easements,	
			and road low points	
13	Storm Drain		Limit velocity in pipes with minimum and	Section 3.6.1, Table
	Velocity Criteria		maximum values to prevent clogging and erosion	3.8
14	Spread Criteria		Flow spread limits for various street classifications	Section 3.6.2, Table
			for 25-yr storm event or higher	3.7
15	Freeboard		Minimum of 1 foot of freeboard provided for the	Section 3.6.3
	Criteria		fully-developed 100-yr storm event for culverts and	
			detention structures; Minimum of 2 feet of	
			freeboard for bridges for fully-developed 100-yr	
			storm event	
16	Finished Floor		Minimum of 1-foot above fully-developed 100-yr	Section 3.7
	Elevations		storm event water surface elevation or 2-feet	
			above effective FEMA base flood elevation	
L7	Water Quality		Require integrated site design practices; treat the	Section 1.3, Table
	Protection		water quality volume; and/or enact regional water	1.3; Section 3.2
_			quality programs	
18	Drainage and		Required for all drainage systems that convey	Section 3.7
	Floodplain		stormwater runoff across property boundaries and	
	Easements		must include sufficient area for operation and	
			maintenance of the public drainage system	
	TOTALS			
OPT	IONAL OUTCOM	ES		
19	Open Channel		Design includes low-flow channel	Section 3.6.3
	Stability Criteria			
20	Detention		Confirm detention does not exacerbate peak flows	Section 3.5.2,
	Downstream		in downstream reaches	Option 3
	Timing Analysis			
21			Ordinances encourage preservation of natural	Section 3.2.2;
	and Utilization		resources such as riparian buffers and/or natural	TM PL 2.2.1**
	of Natural		open space areas and utilization of natural design	
	Features and		features for stormwater conveyance	
	Resources			
22	Lower Impact		Ordinances encourage reducing limits of clearing	Section 3.2.2;
	Site Design		and grading and limiting impervious cover per	TM PL 2.2.2**
	Techniques		integrated site design practices	
	TriSWM		Incorporate practices for improving water quality	Appendix A of the
23			of runoff from public rights-of-way	iSWM Criteria
3				
23	morrison			Manual
23	TOTALS			
23		- iSWM Technical Man	ual, Hydrology Section **TM PL = iSWM Technical Mar	nual, Planning Section
23	*TM HO			nual, Planning Section applicants must be annual contributors to the
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23	*TM HO		Image: Silver Image: Bronze Note: (Gold a Public Works)	nual, Planning Section applicants must be annual contributors to the s program)
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23	*TM HO Tier Level App Print Name and T	itle of Local Stormwate	er Authority Contact Phone Number and E	nual, Planning Section applicants must be annual contributors to the s program)
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