Stormwater Stormwater Management

North Central Texas Council of Governments iSWM PROGRAM IMPLEMENTATION TIERED MEASUREMENT

SUBMITTING COMMUNITY:

Requirements for Implementation Levels

Outcome Category	Gold	Silver	Bronze
Mandatory	10 full application	10 full or partial application	10 full or partial application
Recommended	7 full application	7 full or partial application	4 full or partial application
Optional	3 full or partial application		

Note: The following outcomes apply to land disturbing activities of 1 acre or more for water quality and streambank protection, and apply to all

land disturbing activities for flood mitigation and conveyance.

10 Downstream

TOTALS

CHECK COMMUNITY'S **Equivalent Local** LEVEL OF APPLICATION iSWM Criteria **Full Application** Criteria/Ordinance Outcome Manual Ref. N/A Partial Reference **MANDATORY OUTCOMES** Stormwater requirements discussed at a pre-Site Plan Revie Applicability development/pre-application meeting or equivalent (Concept iSWM) Land Use Design stormwater infrastructure to fully-developed Section 3.6.1 Conditions (built-out) land use conditions 3 Hydrologic Limit Rational Method applicability to drainage Table 3.2; TM* areas of 100 acres or less and utilize frequency Methods factors (per TM HO Table 1.4): Limit Modified HO** Section Rational Method applicability to drainage areas of 1.2 200 acres or less; For larger areas, require Unit Hydrograph methodology 4 Open Channel Require maximum permissible channel velocity Section 3.6.3 criteria be met and/or use erosion control measures Table 3.10 and Criteria/Energy for 1-, 25-, and 100-vr or similar storm events to Dissipation protect receiving drainage element from erosion Detention When a detention structure is utilized, design Section 3.6.3 Structure facility for fully-developed 1-, 25-, and 100-yr or Detention similar storm events matching pre-development Discharge Criteria peak flows and velocities; Provide emergency spillway with 6 inches of freeboard to convey fullydeveloped 100-vr storm event assuming outlet Streambank Require downstream stabilization to prevent Section 1.3, Protection erosive velocities: maintain existing downstream Table 1.3: velocity conditions with on-site controls: and/or Section 3.4 control fully-developed 1-yr, 24-hr storm event release over 24 hours to prevent erosive velocities Flood Mitigation Require adequate downstream conveyance for peak | Section 1.3. discharges: maintain existing downstream peak Table 1.3: discharge conditions with on-site controls; and/or Section 3.5.2 provide detention to pre-development peak discharge conditions Construction Limit erosion and the discharge of sediment and other pollutants from construction sites by adhering to the integrated Construction Criteria or Construction General Permit 9 Operations and Define responsible party and requirements for Section 2.2, Maintenance operation, maintenance, frequency of inspection. Step 5

and enforcement of temporary and permanent stormwater controls and drainage facilities

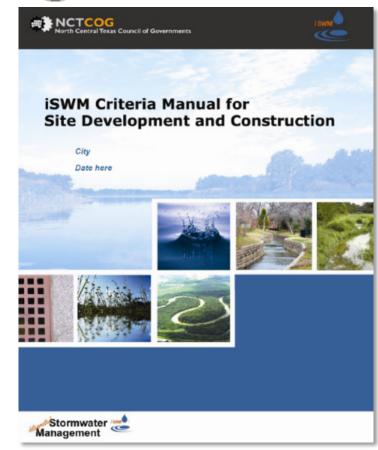
and 100-yr or similar storm events

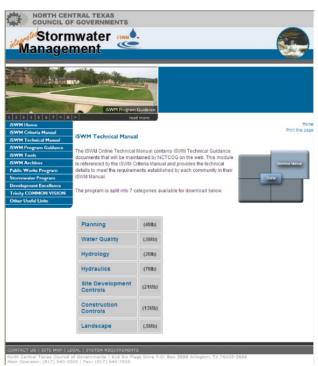
Confirm no negative impact or mitigate negative impacts of peak discharges and velocities for 1-, 25-,

Section 3.3:

Section 2.4

TM* HO**







2017 Updates

- Consultant: Halff, Inc
- Work Plan
- Certified Communities

Denton - Silver

Frisco - Silver

Grand Prairie - Silver

Kennedale - Silver

Fort Worth - Silver

