

FORWARD

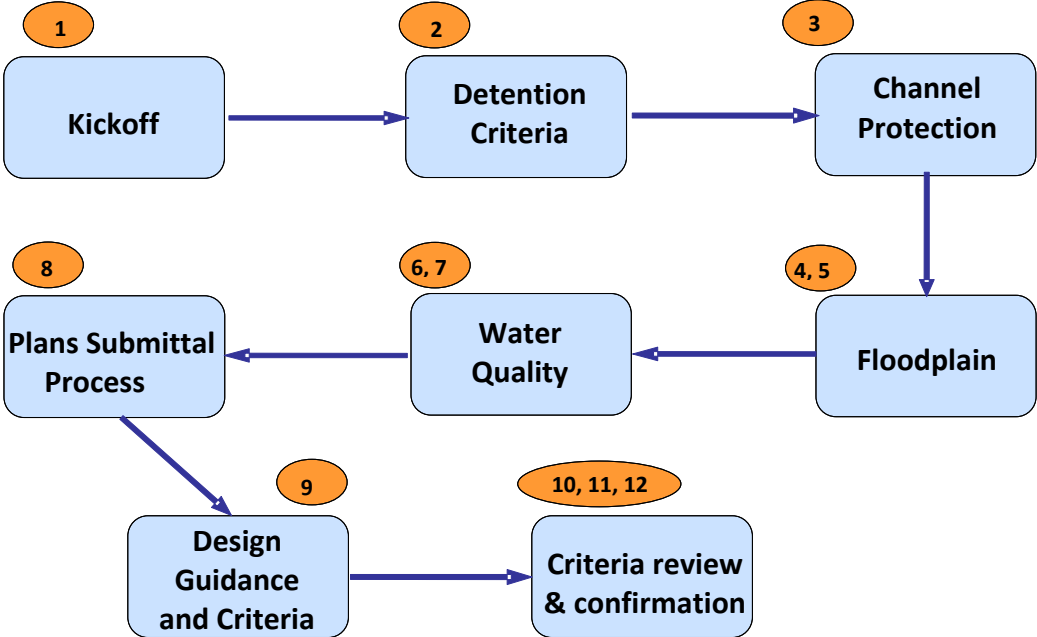
Preface

The recognition that a regional approach is needed to address regional stormwater issues led the City of Wichita and Sedgwick County to create the Stormwater Manual. A pressing need to manage both stormwater quantity and quality became apparent with the requirements from the National Pollutant Discharge Elimination System (NPDES) municipal and industrial permits, Total Maximum Daily Loads (TMDL) reduction targets, watershed assessments, as well as the desire to protect human life, property, aquatic habitats and the quality of life in our communities. To do this, it will be important that the citizens, land owners and business owners in the region view stormwater not as a waste that requires disposal, but as an important resource and opportunity for enhancement of our region.

A primary goal of the Stormwater Manual is to provide the policies and technical standards to implement a consistent and effective approach for stormwater management in the City of Wichita and Sedgwick County. In support of this goal, the Manual provides a comprehensive approach to stormwater management that integrates drainage design (i.e., the movement of stormwater over land) and the control of both stormwater quantity and quality.

Acknowledgements

The Stormwater Manual was developed in a collaborative effort between the City of Wichita and Sedgwick County. Over the course of ten meetings held in 2008 and 2009, a Technical Advisory Committee (TAC) followed the meeting “roadmap” presented in the following graphic in order to understand the stormwater management issues that face this region, and to make recommendations on regional stormwater regulations and policies. An additional two TAC meetings were held as the writing of the manual progressed to confirm the stormwater criteria being formulated based on TAC guidance. The TAC meetings were open to the public.



After the work of the TAC was completed, the completion and publication of the Manual hinged on the adoption of stormwater management regulations by both the City of Wichita and Sedgwick County. The Manual was written to provide policies and design criteria and guidance to support these regulations, therefore Wichita and Sedgwick County staff believed it prudent to delay publication of the manual until the regulations were in their final form and were adopted. A draft stormwater management ordinance for the City was discussed and modified over the course of a twelve month period, during which the City held a charette-style meeting with local stakeholders and engaged in numerous discussions with members of the local development community, most notably the Wichita Area Builders Association (WABA) and representatives of the local Certified Commercial Investment Member (CCIM) group. Both the City's Stormwater Management Ordinance (Chapter 16.32) and the County's Stormwater Management Resolution (Resolution 196-10) were adopted in November 2010.

Thank you to the many people who provided input on regional stormwater management during the TAC process. The TAC Team Members that dedicated their time and advice to this process are listed below.

Dave Barber	Wichita/Sedgwick County MAPD
Richard Basore	Kansas Department of Health & Environment
Tim Boese	Groundwater Management District #2
Chris Bohm	Ruggles and Bohm PA
Clement Dickerson	SMAB member
Susan Erlenwein	Environmental Resources
Phil Frasier	Professional Engineering Consultants
Brian Glenn	Baughman Company PA
Trevor Kurth	Baughman Company PA
Scott Lindebak	Wichita Public Works & Utilities
Jim Putman	U.S. Geological Survey
Christy Rodriguez	Wichita-Sedgwick County MAPD
Nadine Stannard	Associated Material & Supply Company
Rob Stutzman	NRCS
Jim Weber	Sedgwick County Public Works

Although this manual was developed to provide specific information for stormwater management and property development in the City of Wichita and Sedgwick County, useful policies, guidance and concepts from the *Georgia Stormwater Management Manual* (Atlanta Regional Commission, 2001) have been used, suitably modified to meet state and local stormwater management objectives and the needs of the City and County stormwater programs. This paragraph serves as an acknowledgement of the use of text and concepts from the *Georgia Stormwater Management Manual*, and shall be considered as a general reference.

INTRODUCTION AND PURPOSE

Objective of the Manual

The objective of the Stormwater Manual (the Manual) is to provide a consistent set of policies and technical standards for the management of stormwater runoff on and from new developments and redevelopments. The policies and standards presented in this Manual are consistent with, and were developed in support of, the stormwater management and floodplain ordinances adopted by the City of Wichita (City) and Sedgwick County (the County). Toward this end, the Manual addresses drainage design, water quantity controls (i.e., detention facilities), structural (i.e., constructed) and non-structural (i.e., planning) controls for water quality, and regulatory controls on development in floodplains.

The Manual is not intended to address regional flood control initiatives such as watershed comprehensive master plans and the local flood control infrastructure and levee system. The focus of the Manual is on the management of stormwater runoff from new developments and redevelopments.

Organization of the Manual

The Stormwater Manual is organized as a three volume set:

Volume 1 - Policy

Volume 2 - Technical Guidance

Volume 3 – Plan Preparation Guidance

Volume 1 provides a basic understanding of the regional stormwater management issues and needs and the regulations that drive the need for a consistent and comprehensive management approach. This volume also provides policy statements to support and further clarify the regulatory language contained in the City and County stormwater management and floodplain ordinances. Policy statements included in Volume 1 address stormwater design, detention, water quality control, channel protection, site design practices, and floodplain management.

Volume 2 provides the technical design standards, criteria and calculation methods to be used to implement the design, inspection and maintenance of stormwater management controls. The information provided in Volume 2 is guidance that is provided in support of City and County stormwater management and floodplain ordinances and the policies presented in Volume 1, and therefore must be used in order to comply with local stormwater management requirements.

Volume 3 provides the administrative procedures that must be followed during the design, construction and maintenance of a development or redevelopment. Process flow charts and checklists are provided to aid the developer and designer throughout the process.

Introduction and Purpose

Figure 1, located on the following page, provides a navigational aides for the use of this manual during the City and County land development processes. This aide is provided again in Volumes 2 and 3.

Regulatory Status of the Manual

The Stormwater Manual will be used by the City of Wichita and Sedgwick County as a tool to help manage and regulate stormwater and floodplains within these jurisdictions. The manual can be applied in a regulatory capacity through:

- laws and rules established by the City of Wichita and/or Sedgwick County;
- applicable permits and other authorizations issued by local, state and federal agencies.

How to Get Printed Copies of the Manual

Printed copies of the Stormwater Manual, or CD copies, can be purchased at:

Kansas Blue Print Co., Inc.
700 S. Broadway
Wichita, KS 67211
(316) 264-9344

How to Find the Manual on the Internet

The Stormwater Manual is available in Adobe Acrobat PDF document format for download at the following Internet address:

<http://www.wichita.gov/stormwatermanual>

Contact Information

The City of Wichita's Stormwater Management website is provided below. The website includes contact information and an email link for the City Stormwater Engineer.

<http://www.wichita.gov/stormwater/>

In Sedgwick County, please use the following email address to gain more information on stormwater topics: info@sedgwickstormwater.com.

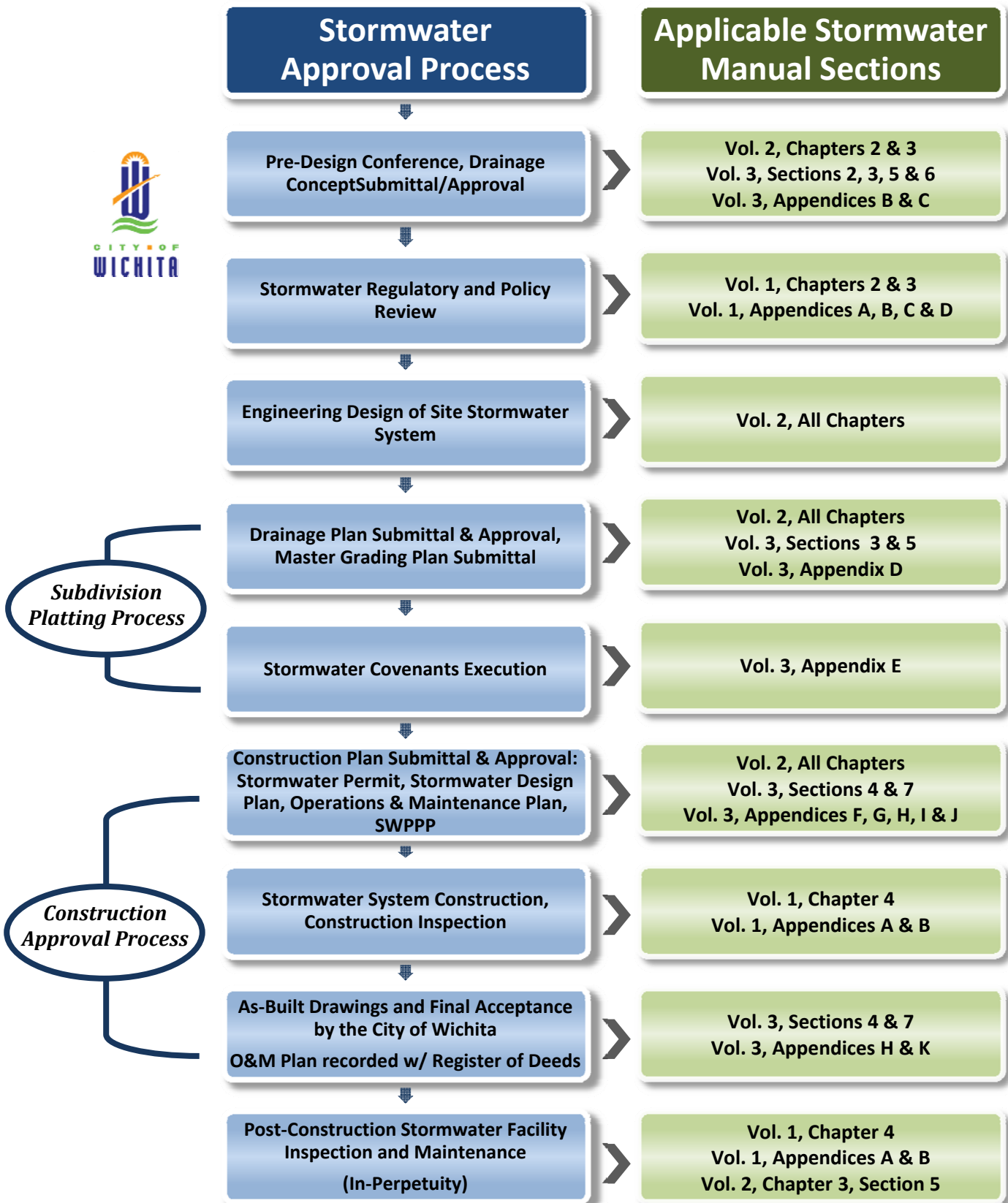


Figure 1-1 Stormwater Manual Navigational Aide for the Land Development Process

This page intentionally left blank.