



Chapter 2 Use of the Manual

2.1 Organization of Manual

The practices and design methods provided in this manual are intended to inform and guide the applicant in implementing low-impact development (LID) design standards and green infrastructure (GI) practices to meet the City of Chattanooga’s stormwater management performance standards. While some of the design guidance represents required minimum standards, others are simply design recommendations. The manual and the standards within may be subject to change and updates can be found on the City’s website (<http://www.chattanooga.gov/public-works/city-engineering-a-water-quality-program>).

This document is structured to guide the developer/applicant/owner through the site design process from initial site evaluation through detailed stormwater management design elements and, ultimately, to City approval of the Final Stormwater Management Plan. This manual provides tools to assist the applicant in completing required documentation and meeting stormwater management performance standards. Tools include flow charts to guide the applicant through the design and permitting process, worksheets to assist with calculations, and checklists to ensure that the Stormwater Management Plan and associated documentation are complete.

The chapters in this manual have been organized to lead the user through a logical sequence of site selection, assessment, design, review, and approval. The chapters are as follows:

Chapter 1 – Introduction: Provides an introduction and rationale to the new runoff reduction standards and stormwater volume control as a new approach to protecting and restoring the City’s streams and rivers.

Chapter 2 – Use of the Manual: Provides guidelines on manual organization and use.

Chapter 3 – Stormwater Management Performance Standards: Provides detailed information on the stormwater management performance criteria for volume, quality, and rate and for determining permit applicability.

Chapter 4 – Integrating Stormwater Management with Site Design: Discusses the integration of stormwater management practices into the site design process from initial site evaluation to site layout and design.

Chapter 5 – Stormwater Management Practices: Describes approaches for managing stormwater and includes technical design guidelines for stormwater management practices including protection practices, structural design measures, and restorative practices.





Chapter 6 – Technical Guidelines for Areas of Special Consideration: Presents technical guidance for design of stormwater management practices in constrained and technically challenging locations such as highways and roads, brownfields, and urban and CSO areas.

Chapter 7 – Stormwater Calculations and Methodology: Explains acceptable methodologies for quantifying and documenting compliance with stormwater management performance standards.

Chapter 8 – Maintenance and Performance: Provides guidance on the City’s process for ensuring long-term performance of stormwater management practices, including inspections and operations and maintenance agreements.

Appendices: The appendices include standard protocols for integrated stormwater management design, such as setbacks, utility coordination and infiltration testing requirements, plant selection, and material specifications for stormwater BMP components.

2.2 Use of Manual

Figure 2-1 demonstrates how the manual is organized to guide the design and navigate the development review process.





USE OF MANUAL

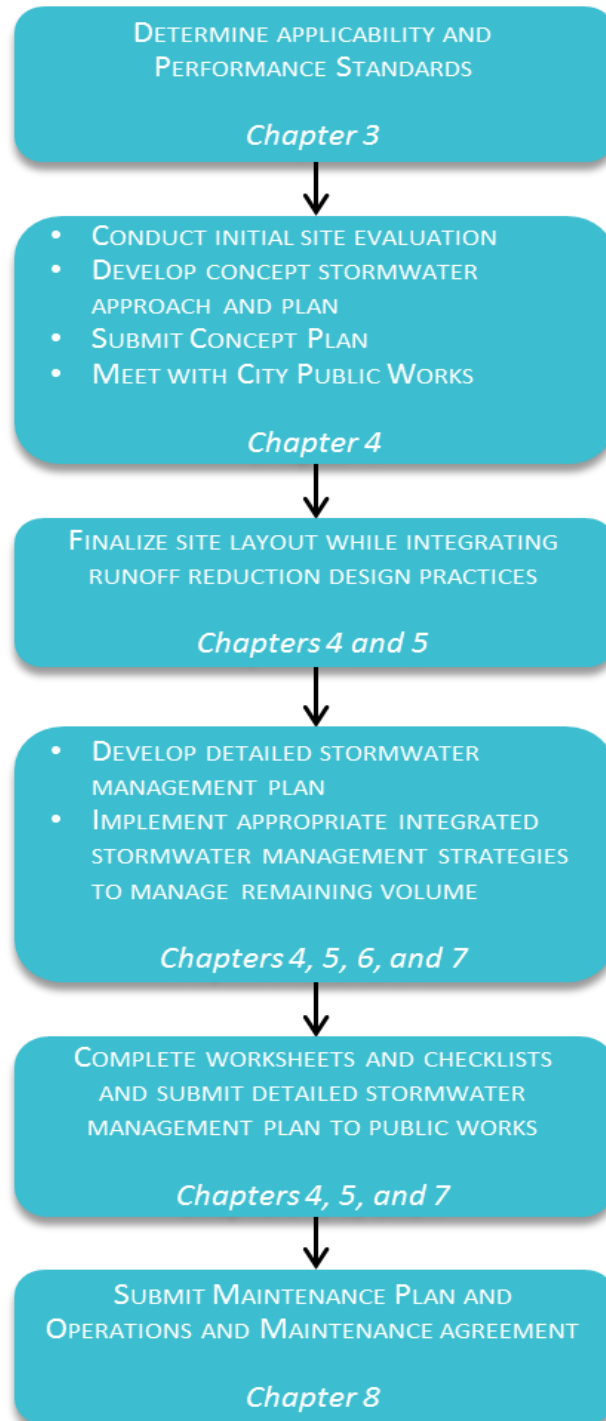


Figure 2-1. Use of this Manual





2.3 Resources

(Reserved)

