

CITY UTILITIES DESIGN STANDARDS MANUAL

**Book 2
Stormwater (SW)
SW2 Introduction**

June 2015

SW2.01 Purpose

The purpose of this Chapter is to provide an introduction to how the Stormwater Book is presented. The purpose of the Stormwater Book of the City Utilities Design Standards Manual is to ensure that stormwater facilities constructed under the jurisdiction of City Utilities provide the level of service necessary to

- Protect the health and welfare of residents
- Comply with local, state and federal laws
- Protect public and private property from unnecessary damage
- Protect the environment from pollutants transported by rainfall
- Ensure operability and maintainability of public stormwater systems

The Standards establishes the minimum requirements for the design and construction of stormwater systems that will be owned, operated and/or maintained by the City of Fort Wayne.

SW2.02 Applicability

The Standards applies to all projects that result in stormwater systems that are owned, operated and/or maintained by the City of Fort Wayne. Stormwater systems include, but are not limited to:

- Storm sewers including manholes, inlets and catch basins
- Culverts
- Open channels
- Crossings
- Detention and retention basins
- Water quality facilities

For private stormwater facilities, which are wholly owned, operated, and maintained by a private entity, this Standards constitutes best management practices. Incorporation of these standards is highly encouraged and will be required if the transfer of the facility to the City occurs in the future.

SW2.03 Variance from Standards

Variance from the Standards may be granted under specific conditions. Refer to [Chapter GR3 - Variances](#) of the General Requirements book for the variance procedures and requirements.

SW2.04 Organization of Stormwater Standards

The Standards contains the process, procedures, and technical requirements needed to comply with the City of Fort Wayne stormwater regulation. [Chapter SW4 - Special Discharges](#) outlines requirements for non-stormwater flows for all projects.

The remaining chapters are dedicated to key stormwater topics. Each chapter contains technical requirements including, but not limited to:

- Allowable design approaches (methods, equations)

- Minimum allowable sizing
 - Implementation limitations
 - Criteria for submittal
 - Minimum geometry requirements
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SW2.05 Stormwater Materials

Allowable materials and minimum requirements for use are provided in the Materials book of the City Utilities Design Standards Manual. Relevant Chapters include:

- [Chapter MA2 - Introduction](#)
 - [Chapter MA3 - Certification of Materials](#)
 - [Chapter MA4 - Common Materials and Testing Requirements](#)
 - [Chapter MA5 – Stormwater Materials and Testing Requirements](#)
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SW2.06 Stormwater Specifications

City Utilities maintains a library of Master Specification for use on public projects and that may be used on private projects. Specifications are available via the City's website at

<http://www.cityoffortwayne.org/utilities/design-and-construction/master-specifications.html>

The Master Specifications have been developed to support the requirements established in this manual. The Master Specifications are provided as a service to design engineers and do not waive the engineer's responsibility or liability for the site-specific design of the stormwater system.