

CITY UTILITIES DESIGN STANDARDS MANUAL

**Book 3
Sanitary (SA)
SA2 Introduction**

June 2015

SA2.01 Purpose

The purpose of this Chapter is to provide an introduction to how the Sanitary Book is presented. The purpose of the Sanitary Book is to provide guidance so that public sanitary sewers:

- Protect the health and welfare of residents
- Comply with local, state and federal laws
- Protect public and private property
- Protect the environment from pollutants transported by wastewater
- Provide adequate sanitary sewer service
- Ensure operability and maintainability of public sanitary systems

The Standards establish the minimum requirements for the design and construction of sanitary sewer systems that will be owned, operated and/or maintained by City Utilities.

SA2.02 Applicability

The Standards applies to all projects that result in sanitary sewer systems that are owned, operated and/or maintained by City Utilities, and also building sewers that are owned by property owners and maintained by property owners. Sanitary sewer systems include, but are not limited to:

- Sanitary sewers including buildings sewers
- Lift stations
- Low pressure sewer systems

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

SA2.03 Variance from Standards

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

SA2.04 Organization of Sanitary Standards

The Sanitary Book contains the process, procedures and technical requirements needed to comply with City of Fort Wayne sanitary sewer regulations. [Chapter SA4 – Drawings and Submittals](#) outlines the minimum requirements for the submittal, approval, and acceptance of sanitary sewer system work.

The remaining Chapters are dedicated to key sanitary sewer 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
-

SA2.05 Sanitary Materials

Allowable materials and minimum requirements for use are provided in the Materials Book of the Standards. Relevant chapters include:

- [Chapter MA2 - Introduction](#)
- [Chapter MA3 - Certification of Materials](#)
- [Chapter MA4 - Common Materials](#)
- [Chapter MA6 - Sanitary Sewer Materials](#)

Materials used must comply with the Materials Standards. Deviations from the Standards may be considered in accordance with [Chapter GR3 - Variances](#).

SA2.06 Sanitary Specifications

City Utilities maintains a library of Master Specifications for use on City Utilities projects and may be used on other 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 design engineer's responsibility or liability for the site specific design of the sanitary sewer system.

SA2.07 Compliance with Other Standards

Compliance with these standards does not eliminate the need to comply with other applicable City, County, State and Federal ordinances and regulations. These standards are intended to supplement other guides and manuals produced by the City of Fort Wayne as well as other agencies. Other regulations and resources include, but are not limited to:

- Chapters 51, 52 and 53 of the Fort Wayne Code of Ordinances
 - Fort Wayne Water Pollution Control Utility (Wastewater Utility) General Rules and Regulations
 - Storm Water Design and Specification Manual, Green Infrastructure Supplemental Storm Water Document
 - Indiana Department of Environmental Management (IDEM) Regulations including Title 327 of the Indiana Administrative Code (327 IAC)
 - Great Lakes-Upper Mississippi River Board of State Public Health and Environmental Managers, Recommended Standards for Wastewater Facilities, latest edition. (Also referred to as "Ten State Standards for Wastewater Facilities")
 - Great Lakes-Upper Mississippi River Board of State Public Health and Environmental Managers, Recommended Standards for Water Works,
-

latest edition. (Also referred to as “Ten State Standards for Water Works”)

- Indiana Plumbing Code of Indiana Administrative Code (675 IAC 16)
- Indiana Department of Natural Resources (IDNR) Storm Water Quality Manual
- Indiana Department of Transportation (INDOT) Standard Specifications, latest edition
- Indiana Manual on Uniform Traffic Control Devices (IMUTCD), latest edition
- American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highway and Streets, latest edition
- American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide, latest edition

Other submission and approval requirements may include preliminary and final subdivision plats, permits (IDEM or City issued) for sanitary facilities construction, and building and zoning permits; construction inspections; appeals; and similar matters.

The provisions of this document shall be deemed as additional requirements to minimum standards required by other applicable ordinances and standards. In the case of conflicting requirements, the most restrictive shall apply.