

CITY UTILITIES DESIGN STANDARDS MANUAL

**Book 5
Materials (MA)
MA2 Introduction**

June 2015

MA2.01 Purpose

The purpose of this Chapter is to provide an introduction to how the Materials Book is presented. The purpose of the Materials Book of the City Utilities Design Standards Manual is to provide guidance for materials accepted for use in construction of utilities within the jurisdiction of the Fort Wayne City Utilities. The Chapters of this Book are organized into certification of materials, common material requirements, storm sewer materials, sanitary sewer materials, and potable water distribution materials.

MA2.02 Description and Use

1. Compliance with other Standards

Compliance with the Standards does not eliminate the need to comply with other applicable City, County, State, and Federal ordinances, regulations, and construction requirements. This includes, but is not limited to, the submission and approval of preliminary and final subdivision plats; IDEM permits for potable water and sanitary facilities construction; building and zoning permits; railroad; city; county and INDOT right-of-way crossing permits; construction inspection; appeals; and similar matters.

2. Conflicting Standards

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.

3. Minimum Material Standards

The materials listed within this Book are the City of Fort Wayne's minimum requirements. Materials that do not meet these requirements require a Variance, see [Chapter GR3 - Variances](#).

Materials used for infrastructure that will ultimately be owned, operated, and maintained by the City must be provided as new.

4. Non-Standard Materials

Alternative materials on occasion may be warranted, and a variance from these standards may be permitted. See [Chapter GR3 - Variances](#) for more information on the procedures and process for submitting for a variance.

MA2.03 Material Installation Testing Requirements

Installation includes provisions for on-site work and incorporating products into the project. Minimum testing requirements are listed with the respective materials within this Book. Where the project needs more stringent requirements, an engineer is responsible for providing additional installation and testing requirements.

MA2.04 Master Specifications

City Utilities Engineering has developed standardized Master Specifications for use on construction projects. Master Specifications standardize minimum material and performance requirements. The information listed within this Book is in accordance with the materials in the Master Specifications.

City Utilities Master Specifications are provided as a convenience and a tool for engineers doing work with or for the City Utilities. Master Specifications are provided to the Engineer with Notes to Specifier (NTS), throughout the documents. Each NTS identifies sections within the specification that must be reviewed and edited by the Engineer.

MA2.05 Additional References

Additional references for use with, and to supplement these material standards, include:

- American Association of State Highway and Transportation Officials Standards (AASHTO)
- American Society for Testing and Materials (ASTM) International Standards
- American Water Works Association Standards (AWWA)
- Construction Specifications Institute Standards and Formats (CSI)
- Indiana Department of Environmental Management (IDEM) – Indiana Storm Water Quality Manual
- Indiana Department of Transportation (INDOT) Standards and Specs
- Fort Wayne Department of Public Works Standards

MA2.06 City Utilities Standard Details

City Utilities has developed multiple standard details for use on typical utility projects. Many details are referenced throughout this Book. The most current electronic versions can be found in [Chapter CADD8 – Standard Drawings and Details](#).