



# IOWA DEPARTMENT OF NATURAL RESOURCES

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LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

**Iowa Wastewater Facilities Design Standards Update**

**Chapter 12 – Iowa Standards for Sewer Systems**

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# Ch. 12 - Proposed Changes

- **Section 12.4.2**
  - Updated pipe materials and joints table (Incorporate new materials & applicable standards, no dating of standards to allow for continuous ASTM/ANSI/AWWA revisions).
  - Added Other Materials section including provisions for materials not covered by established ASTM/ANSI/AWWA standards. (Flexibility for new materials & variance avoidance).
- **Section 12.5.1**
  - Changed exception for minimum sewer size for unsewered communities from 6" allowed for last 800' to 6" allowed for all laterals and submains (Variance avoidance, conform with historical variance approvals for unsewered communities).

# Ch. 12 - Proposed Changes

- **Section 12.5.7**
  - **Modified manhole intervals. Larger spacing allowed for smaller pipe sizes, unsewered exception eliminated (Recognition of modern cleaning methods, consistency with 10-States Standards, unsewered manhole intervals now covered by requirements applicable to all systems).**
- **Section 12.5.8**
  - **Added minimum separation distance of 3' for manholes from water mains (Deconflict with proposed Water Supply rules).**

# Ch. 12 - Proposed Changes

- **Section 12.6.5 (new section)**
  - **Added new Alternative Installation Methods (trenchless) section (Variance avoidance & allow for current practices).**
- **Section 12.7.2**
  - **Changed allowable infiltration/exfiltration rate from 200 gpd/in/mi to 100 gpd/in/mi (Consistency with 10-States Standards & leakage tolerances achievable with current practices).**