

MINUTES

COUNCIL-MANAGER BRIEFING

January 27, 2014

Mayor Miller called the Council-Manager Briefing to order at 6:00 p.m. at the Fairfield Municipal Building, 5350 Pleasant Avenue. The following Councilmembers were present: Marty Judd, Debbie Pennington, Terry Senger, Chad Oberson, Mike Snyder and Bill Woeste. Staff present: Alisha Wilson, Arthur Pizzano, John Clemmons, Mark Wendling, Tim Bachman, Ben Mann, Andy Eddy, Jason Hunold, Dave Crouch, Dave Butsch, Greg Kathman, Carol Mayhall and Mike Dickey.

Council and staff discussed the proposed changes to the Design Construction and Materials Manual. See attached slides.

The proposed changes will be presented to council in an ordinance on February 10, 2014.

**Adjournment**

Council/Manager Briefing adjourned at 6:55 p.m.

Respectfully Submitted,

Alisha Wilson  
Clerk of Council

# Design Construction and Materials Manual

January 27, 2014



# Overview

- The construction handbook provides details, standards and specifications for public and private infrastructure.
- The sections pertaining to pavement design, storm water management and water/wastewater have been reviewed/updated using industry best practices meant to improve the infrastructure life span while also balancing the costs associated with the proposed standards.



- The construction manual applies to all public as well as many aspects of private infrastructure development including wastewater and water line installation and materials.



# Construction Manual content

- Five chapters
  - Chapter 100 - Introduction, Inspection and As-builts
  - Chapter 200 – Storm Drainage
  - Chapter 300 – Roadway
  - Chapter 400 – Water Supply
  - Chapter 500 - Wastewater

# Chapter 200

## Storm water management

- Many political subdivisions within Ohio Fairfield's size or greater, are following or have issued, these storm water standards.
- Requirements from Ohio EPA to restrain water pollution from parking lots, streets and development sites greater than 1 acre are now mandated.



# Storm water management cont.

- The City of Fairfield has been approved by the State of Ohio EPA for a General storm water discharge permit since 2003.
- The cycle for this permit runs from 2009-2013  
As part of the renewal process, we are submitting for the next cycle 2014-2018.
  - Requires a Storm Water pollution Prevention Plan (SWP<sub>3</sub>)
    - Mainly review the **qualitative** nature of storm water. Requires more drainage maintenance standards and requirements.
    - Quantitative locally handled after flood 1979.

# Storm water management cont.

- Section 200 of the Construction manual modifications dovetail with the OEPA mandates. Added language includes:
  - Qualitative Control – dumpster areas & vehicle fueling. 201.06
  - Compliance with OEPA standards for activities disturbing greater than one acre.201.06
  - Abatement of storm water issues. Remedies for non-compliance.201.09
  - Create a declaration of covenants and restrictions between storm basin owners and the City regarding regular maintenance and inspections that are required. New basins constructed after this ordinance takes effect. 201.11

# Chapter 300 Roadways

- Modify commercial and industrial driveways (only within the right-of-way) from 7 inch concrete to 9 inch concrete.

304.00

- Many new standard drawings have been added to assist contractors how to correctly replace, trench, back fill and construct various modifications within the roadway and or right-of-way.



# Chapter 400 Water Supply

- Water line material upgraded from class 53 standard to class 55 standard. Increased costs associated with this change: 8" +/- \$5-6.00 a foot; 10" +/- \$9-10.00 a foot.
- Requirement for polyethylene wrap which the City is already installing on public contracts.401.06



# Water supply cont.

- Storz universal fire connection standard on all hydrants.403.0



- Fire hydrant spacing more definitive by land use and spacing benefit given for sprinkled buildings. 403.02

# Water supply cont.

- Set a standard for water line/meter design for private commercial/industrial property.
  - For a proposed building 300 feet or greater from the water main - a fire line meter vault is required. 403.04
  - For a proposed building less than 300 feet – vault or inside meter can be installed (customer choice). But materials (meeting these standards) are specified before meter. Valves are required to separate public and private maintenance responsibilities. 403.05

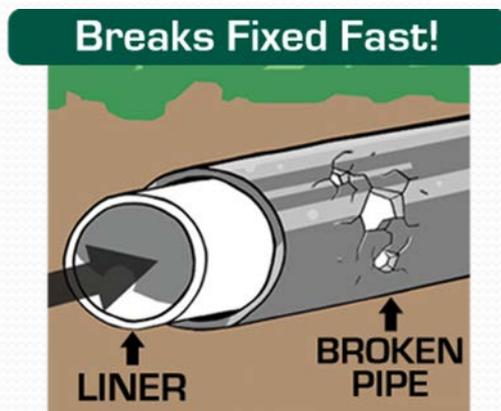


# Water supply cont.

- Water meters
  - Change of philosophy from placement of water meters inside structures to the placement of water meters outside homes, stores etc. 404.06
  - New provisions for servicing 404.11; Change outs 404.12; Protection 404.13.
  - New provisions for multiple meters - multi tenant buildings – specification of manifolds/valves etc. for individual turn offs 404.15.

# Chapter 500 Wastewater

- Create a new standard for private sewer lateral relining. Homeowners and contractors now have a minimum City standard to follow. 508.10
- Removal of preferred truss pipe standard. Updated all pipe types to meet manufacturers new standards 509.0.



# Chapter 500 continued



- Manhole construction standards/inspection tightened up with measures to further prevent inflow and infiltration 510/511. Additional costs: +/- \$1000 for an 8' deep manhole.

- Vacuum testing standards for Manholes created 515.
- Standard for air testing sanitary sewer mains was replaced with Butler County standard 519.



# Next Steps

- 60 day public review process from development community completed in mid-December 2013.
- Winter 2014 – Ordinance reading 2/10/14, Public Hearing 2/24/14, Planning Commission review process.
- Spring 2014 – complete public review/input process and if passed, modifications take effect.