City of Dublin
OHIO, USA

Waterline Replacement – Phase 4
18-011-CIP

Division of Engineering

April 24, 2018

Waterline Replacement – Phase 4

Agenda

- Introductions / Purpose
- Project Description
  - History
  - Issues
  - General Project Information
  - Construction
- Project Schedule
- Questions

Waterline Replacement – Phase 4

Introductions/Purpose

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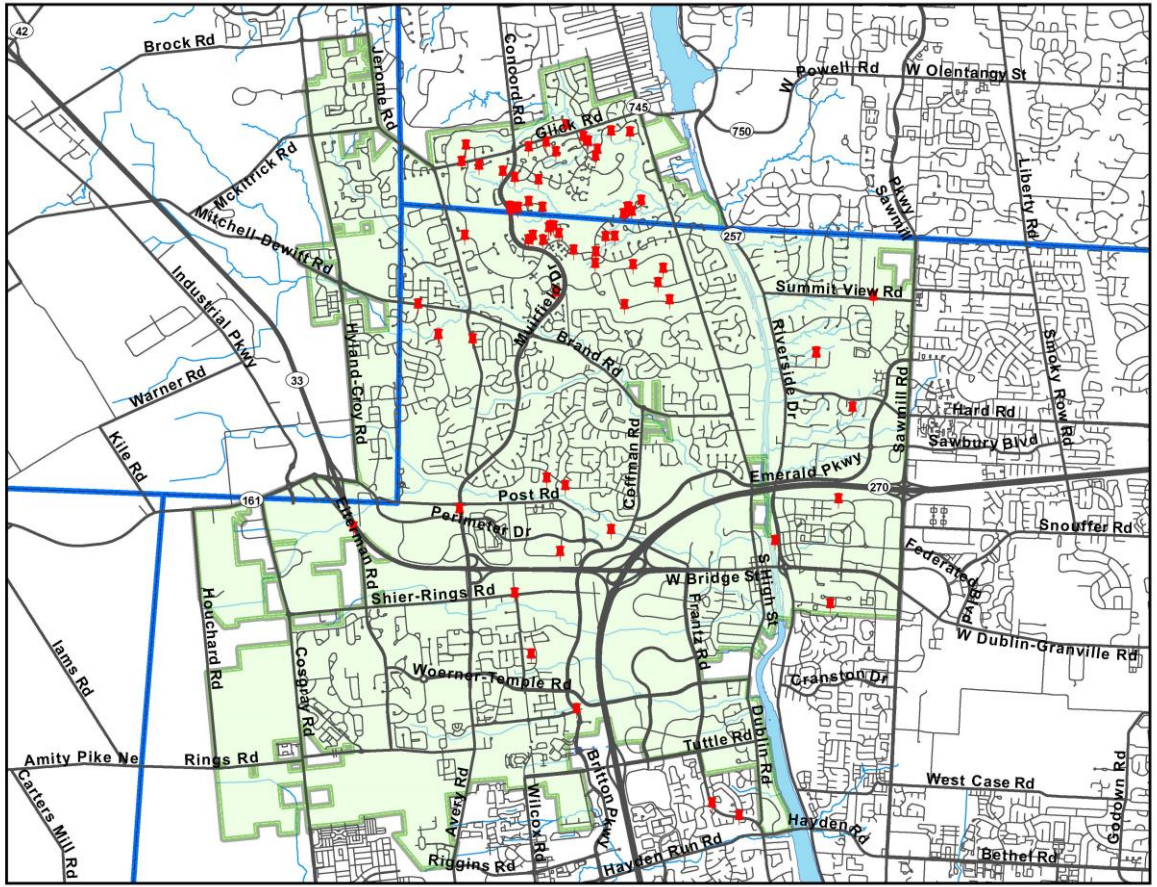
Waterline Replacement – Phase 4

History

- Existing water lines installed in the 1980s.
- These mains currently servicing the area are 2-inch and 3-inch in diameter.
- Did not include fire hydrants.
- Current design standard would typically be a 6-inch water main and would include fire hydrants.



2" & 3" Water Main Break Locations

City of Dublin
OHIO, USA

N
W E
S

0 2,000 4,000 8,000
Feet

1 inch = 4,000 feet

LEGEND

- Water Main Break Locations
- County Lines
- City of Dublin Corp Limits
- Interstate
- Ramp
- Major Road
- Minor Road
- River
- Streams

Waterline Replacement – Phase 4

This project will provide:

- Resolution to the water main break history
- Removal of undersized mains
- Increase in domestic service levels
- Increase in fire protection ability

Waterline Replacement – Phase 4

General Project Information

- Will replace the existing 2-inch or 3-inch water mains with new 6-inch water mains.
- Reconnection of all existing services.
- Portions of the existing streets will be milled and re-paved.
- Access maintained to driveways and public streets.
- Construction anticipated to begin in July and end in late November.
- Estimated Construction Cost: $500,000
- Water funds project only

Waterline Replacement – Phase 4 (Dunskeath Court)

City of Dublin
OHIO, USA

18-011-CIP
Waterline Replacement - Phase 4
Dunskeath Court

0 25 50 100
Feet

Waterline Replacement – Phase 4 (Springburn Drive)

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Waterline Replacement - Phase 4
Springburn Drive (West)

0 25 50 100
Feet

Waterline Replacement – Phase 4 (Macewen Court)

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Waterline Replacement - Phase 4
Macewen Court

0 25 50 100
Feet

Waterline Replacement – Phase 4 (Balloch Court)

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Waterline Replacement - Phase 4
Balloch Court

0 25 50 100
Feet

Waterline Replacement – Phase 4 (Havington Court)

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Waterline Replacement - Phase 4
Havington Court

0 25 50 100
Feet

Waterline Replacement – Phase 4 (Ketchum Court)

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Waterline Replacement - Phase 4
Ketchum Court

0 25 50 100
Feet

Waterline Replacement – Phase 4

What to expect during construction?

- The City will have an inspector on site while work is taking place on a daily basis.
- Residents will be provided contact information for the Project Manager, Construction Engineer & Construction Inspector
- Allowable working hours are 7:00 am–7:00 pm, Monday-Saturday
- Access is to be maintained at all times for emergency vehicles, mail delivery, trash pickup, etc.
- Noise and dust are to be minimized.
  - Mufflers to be in working condition
- Irrigation systems & invisible dog fences will be repaired if impacted

Waterline Replacement – Phase 4

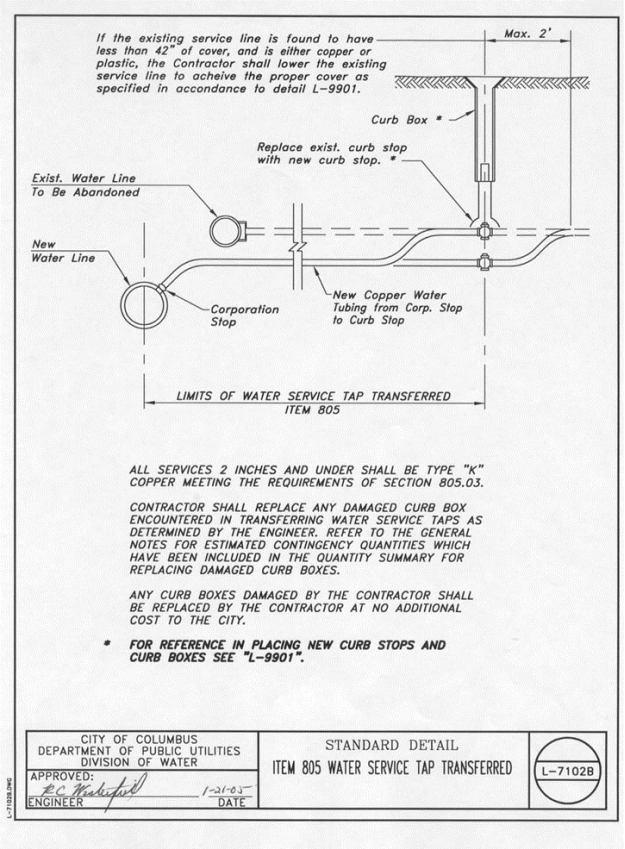
Construction Sequence

- Excavation and installation of new 6-inch waterline and fire hydrant
- New line to be tested and chlorinated
- Services reconnected to new waterline
- Street milling and repaving
- Restoration (drives, lawns, street)

Waterline Replacement – Phase 4

Service Reconnections

- A new curb box will be installed
- Each service will be reconnected
- A short service outage will be required (4 hours max.)
- A right-of-entry may be needed to permit work outside of the right-of-way



Waterline Replacement – Phase 4

Bidding Schedule

May
Construction drawings complete

→

May 22 & 29
Advertise for Bids

→

June 5
Bid Opening

→

June 25
Council reviews (approves) bid

Waterline Replacement – Phase 4

Construction Schedule

July

Preconstruction Meeting & Contractor orders materials

→

Mid to late July

Earliest Construction would start

→

Late November

Construction Complete

Waterline Replacement – Phase 4

Small Group Discussions

- Break into groups
- View and discuss plans
- Complete comment form with any additional information impacting the project
- Questions/Answers

Waterline Replacement – Phase 4

Thank you for attending.

Please drop off your completed comment sheets on the table on your way out or mail them to the City by May 4, 2018.