

Takoma Park

Water and Sewer Replacement/Relocation

Introductions



- Crystal Wheaden – Project Manager
- Joseph Mantua – Deputy General Manager
- Monica Johnson – Deputy General Manager
- Karyn Riley – Intergovernmental Relations Director
- Brandon Stewart – Customer Advocate

The Wilson T. Ballard Company

- Jon Martin, P.E. – Assistant Project Manager
- Matt Dewese – Design Engineer



- Daryl Braithwaite, City Public Works Director

Agenda

- Project Overview
- Phase I
 - Southern Section
 - Northern Section – Grinder Pumps
 - Timeline
- Phase II – 6617-6761 Eastern Avenue
 - Updates Since Spring
 - Three Alignment Alternatives
 - Environmental Impact Review by Montgomery County Department of Environmental Protection
 - Next Steps
 - Timeline

Overview



- 2000 ft. of small diameter water and sewer mains

CCTV



CCTV (cont.)



Phase I Overview

Finalized Alignments

- South Section
- North Section: 6601-6613 Eastern Avenue

South Section – Proposed Pipe Location



- Water and sewer relocated to front yard
- New water and sewer service connections installed around the sides of homes

South Section – Proposed Pipe Location



- New Mains to be 8" Ductile Iron Water Pipe and 8" Ductile Iron Gravity Sewer Pipe

South Section – Homeowner Requirements

- Signed Right-of-Entry for installation of water and sewer

6601-6613 Eastern Avenue – Proposed Pipe Location



- Pressurized water and sewer mains installed in roadway
- New water and sewer service connections installed around the sides of homes
- Grinder pumps installed at 6603-6613 Eastern Avenue
- New sewer service installed to 2nd Avenue for 6601 Eastern Avenue

6601-6613 Eastern Avenue – Homeowner Requirements

- Signed Right-of-Entry for installation of water and sewer
- Homeowner has maintenance responsibility for the grinder pump after 12-year warranty period

Anticipated Project Timeline

South Section and 6601-6613 Eastern Ave

- October 2017: 90% Design Completed
- November 2017: WSSC and City Review
- February 2018: Bid-Ready Design and Homeowner Permissions
- Spring 2018: Contractor Procurement Phase
- Summer 2018
- Spring 2019: Construction Phase

Phase II

6617-6761 Eastern Avenue

Project Update

- Hydrology Report
- Review of Horizontal Directional Drilling Construction Method
- February 23rd meeting with Elected Officials
 - Request for HDD tree impacts
 - Request for front yard gravity alignment
- Front Yard Gravity Alignment Review
 - Individual meetings with homeowners
 - Field walk with Structural Engineer

6617-6705 Eastern Avenue – Proposed Pipe Location



- Water main relocated to front yard
- New water service connection installed around the sides of homes
- Gravity sewer main installed in permanent 20-foot easement in backyard

6711-6761 Eastern Avenue

Final Three Alignment Options

- Backyard Gravity Sewer via Horizontal Direction Drilling
- Front Yard Pressure Sewer with Grinder Pumps
- Front Yard Gravity Sewer with New Sewer Exit Points

*for details, see handout

Next Steps

- Homeowner one-on-ones
 - Contact: Crystal.Wheaden@wsscwater.com
- Environmental Assessment and Construction Impact Report for all three sewer alignments
- Review by Montgomery County Department of Environmental Protection

Project Timeline

6617-6761 Eastern Avenue

- January 2018: Environmental Assessment and Construction Impact Report
- February 2018: DEP Review of Report
- March 2018: Final Alignment Vote for 6700 Block
- April 2018: 90% Design Completed
- May 2018: WSSC and City Review
- Summer 2018: Bid-Ready Design and Homeowner Permissions
- Fall 2018: Contractor Procurement Phase
- Winter 2018
– Fall 2019: Construction Phase

Thank You

Questions