

**City of Mequon
Private Property Lateral
Rehabilitation Program**



**Public Information Meeting
Date: March 4, 2020
City Hall**

INTRODUCTIONS

- City of Mequon Staff
 - Kevin Driscoll, Deputy Director of Utilities
 - (262) 236-2937
- Milwaukee Metropolitan Sewerage District, Private Property Inflow and Infiltration Reduction Program
 - Jerome Flogel, Program Manager
 - (414) 225-2161
- Contractor
 - Great Lakes TV & Seal, Inc.
- Consultant
 - Not Yet Awarded



PURPOSE OF PROGRAM

- Remove clear water from sanitary sewers.
- Reduce incidents of basement backups.
- Reduce sanitary sewer overflows at City-owned lift stations, and avoid non-compliance with WDNR rules 110 and 210.
- Take advantage of MMSD funding opportunity.



LATERAL AND FOUNDATION DRAINS



ROOT INTRUSION FROM LATERAL



PROGRAM HISTORY

- 1999 Smoke Tested and Replaced Clean-outs
- 2007 Flood Grouted Laterals
- 2008 and 2010 Extreme Rain Events and Clear Water in the System
- 2010 MMSD Reimbursement Program Began
- 2011 Investigated Infiltration & Inflow (Res. 3014)
- 2017 Implemented Rehab with CIPP (Res. 3447)
- 2020 Workplan for Additional Investigation (Res. 3657)

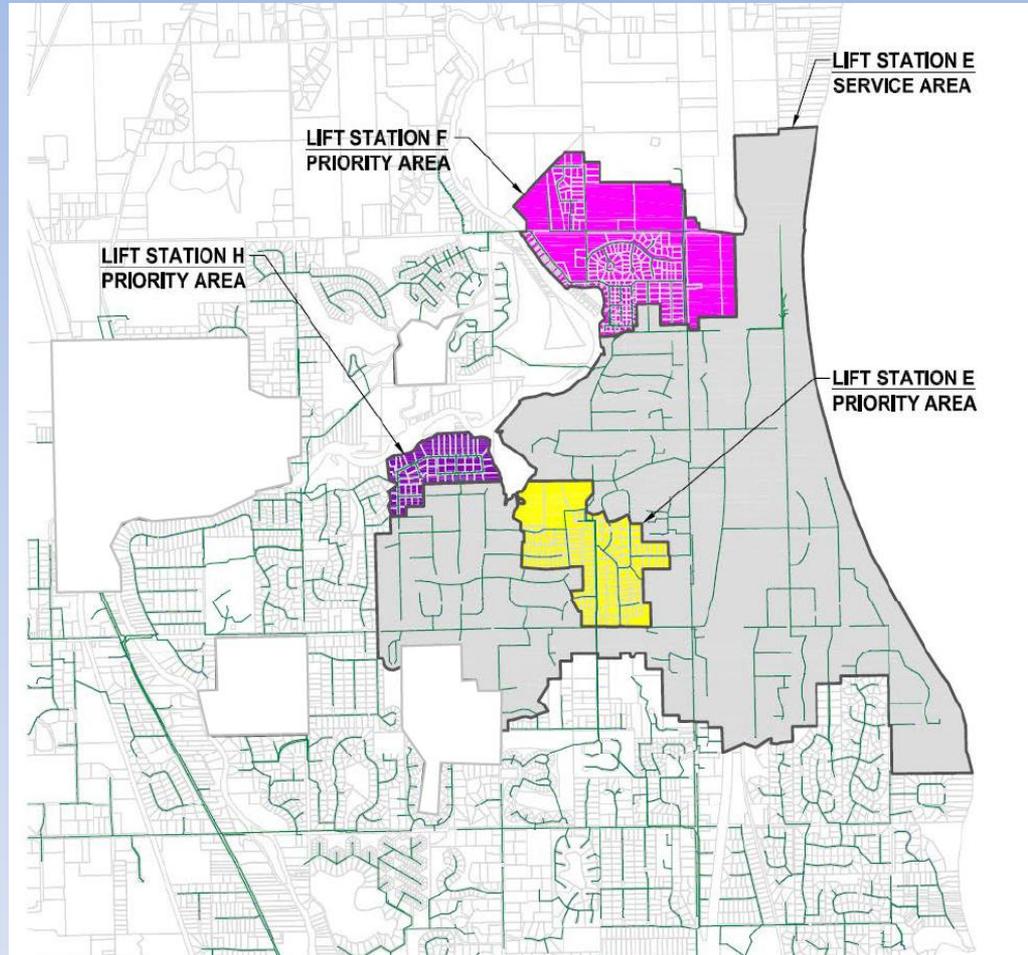


AREAS OF CONCENTRATION

- ME 4001 – Riverdale Lift Station “F” service area bounded by Milwaukee River, Liebau Road, vicinity of Highland Road and Port Washington Road;
- ME 4002 – Riverland Drive Lift Station “H” service area bounded by the Milwaukee River, Riverland Road, Schwemer Lane and Grace Ave.
- Based on lift station peaking factors during wet weather
- Future areas under consideration



AREAS OF CONCENTRATION



SPECIFIC ACTIVITIES

(Spring 2020)

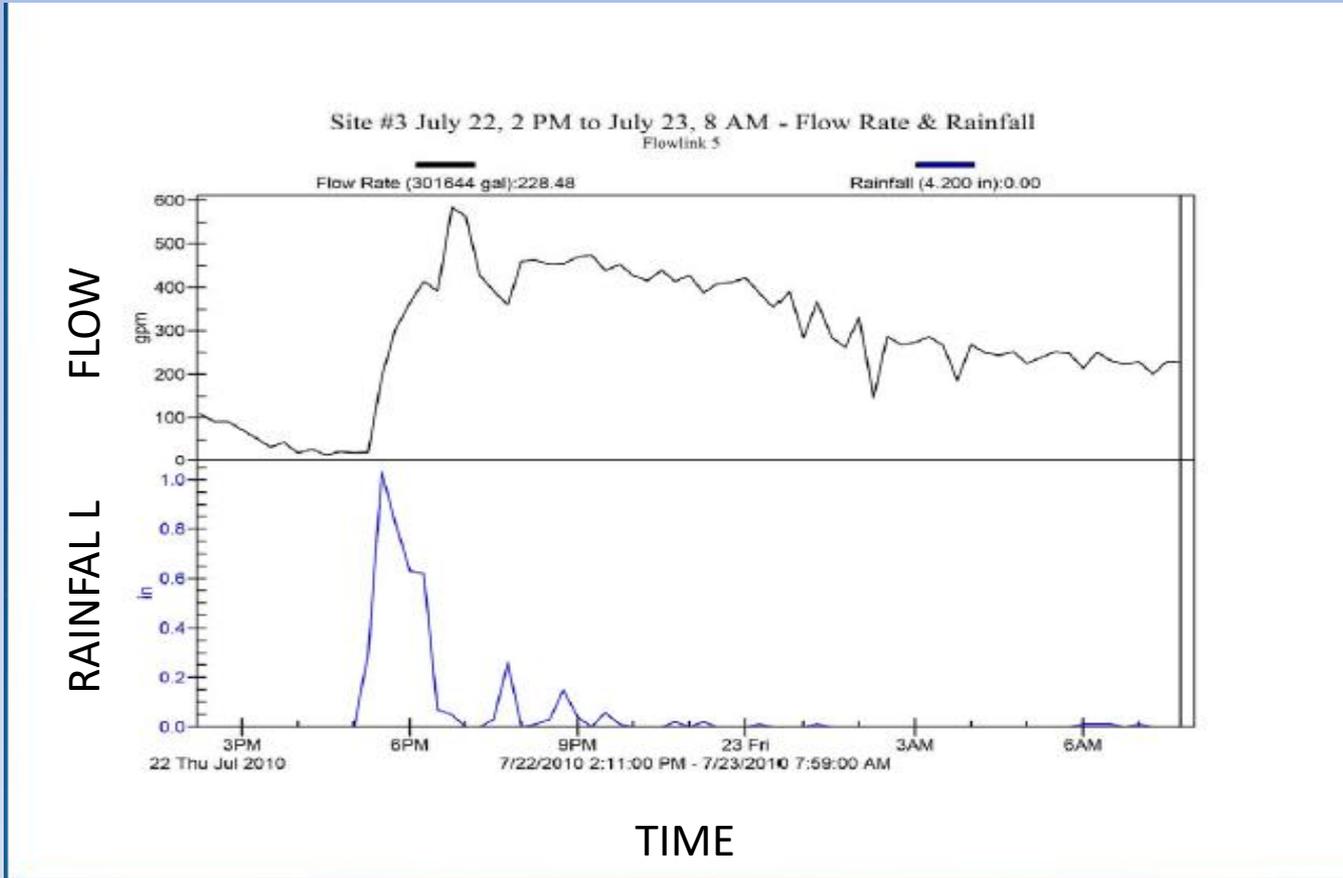
- First Phase is Investigation (Clear Water Compliance)
 - Inspect Sump Pump Connections
 - Inspect Down Spout Connections
 - Check Foundation Drain Connection
- Perform dye water testing (& smoke testing, if needed)
- Televisе laterals to pinpoint sources of clear water infiltration
- Televisе and inspect sanitary sewer laterals and clean-out in the City right of way



LATERAL AND FOUNDATION DRAINS



FLOW DATA



REHABILITATION IN NEXT PHASE (Anticipated for Summer 2020)

- Product Approval by Department of Safety and Professional Services for City Plumbing Permit

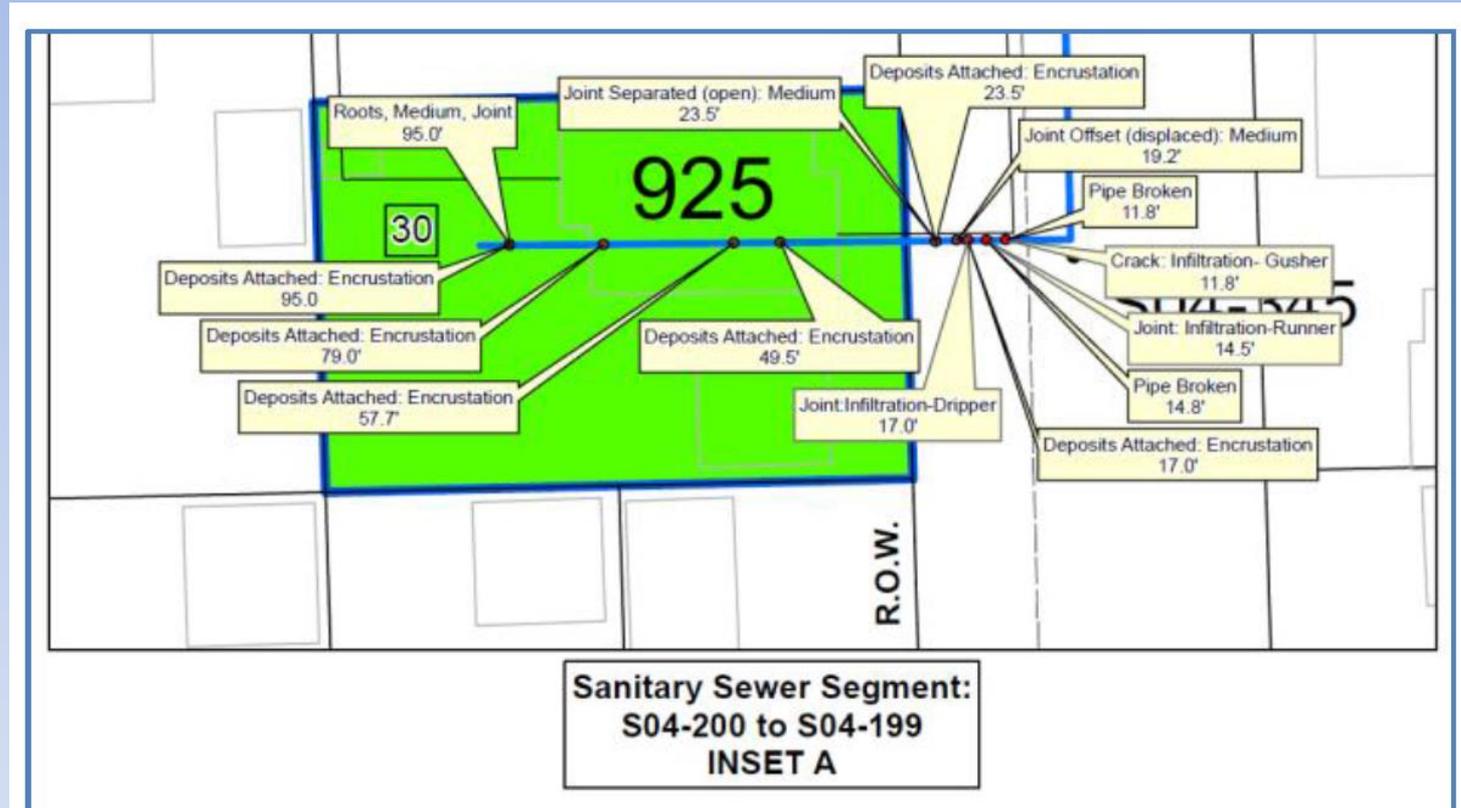
Excerpt from Policy

"The City will review the televising reports and develop individual rehabilitation methods to fix each specific lateral. Rehabilitation methods include, but are not limited to: lateral lining, grouting and lateral replacement."

- ✓ Install New Cleanout(s)
- ✓ Pipebursting with work-pit
- ✓ Perform a relay with excavation



REHABILITATION IN NEXT PHASE (Anticipated for Summer 2020)



DO I NEED TO PARTICIPATE?

- Mandatory? No – completely voluntary
- Recommended?
- Impacts of foregoing program?
 - Funds anticipated to be allocated to other properties / project areas
 - Prospective purchasers becoming more savvy-improving lateral may be a selling point.



COST IMPLICATIONS

- MMSD Funding
 - Allocations based on equalized value of each of the 28 communities
 - City of Mequon's approximate allocation:

Annual allocation approx.	\$250,000
Total allocation available	\$2,110,000
- Actual rehabilitation costs not yet determined



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PARTICIPATION REQUIREMENTS

- Infiltration and Inflow Reduction Program Agreement
- Clear Water Compliance Inspection
- Respond to Rehabilitation Recommendation (Letter in the mail)



PROJECT SCHEDULE

- Execute Agreement Forms from Property Owners
 - as soon as possible
- Estimated Clear Water Inspections Date:
 - late-March to mid-April 2020
(after mainline exams)
- Estimated Lateral Exams Date:
 - early-April to late-April 2020



IMPORTANCE OF PROJECT

<https://www.mmsd.com/what-you-can-do/keep-your-basement-dry>



QUESTIONS?

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