

# Village of Fox Point Private Property Lateral Rehabilitation Program

Public Information Meeting  
April 23, 2014

# Introductions

- Village Staff (414-351-8900):
  - Scott Brandmeier, Director of Public Works
  - Melissa Bohse, Village Manager
  - Mike Krueger, Public Works Foreman
- Consultant – Yuriy Amelyan, Kapur & Associates (414-351-6668)
- MMSD – Jerome Flogel (414-225-2161)
- Contractor (not yet selected)

# Purpose of Program

- Remove clear water from sanitary sewers
- Take advantage of MMSD funding
- Reduce incidents of basement backups

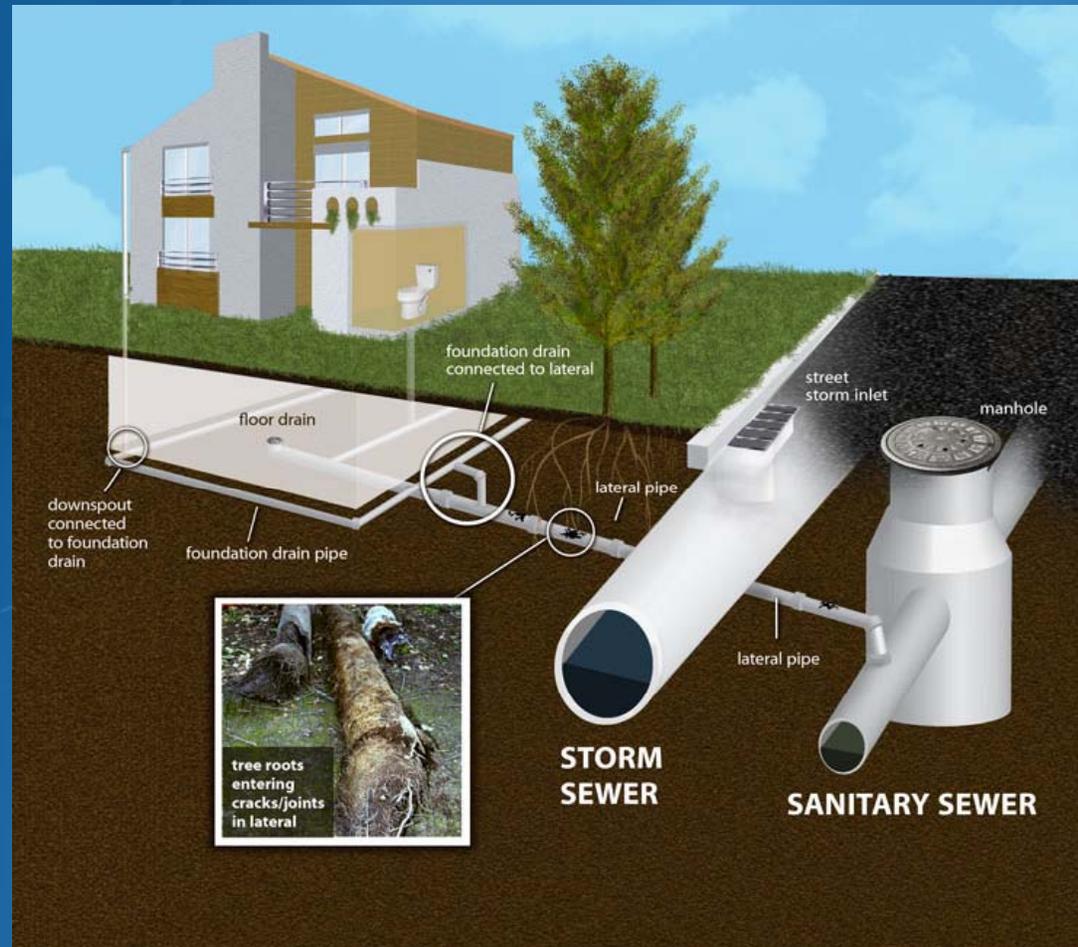
# Importance of Project

- [http://basementconnection.mmsd.com/html/baseconn/BC\\_HomeVideo.html](http://basementconnection.mmsd.com/html/baseconn/BC_HomeVideo.html)

# Lateral and Foundation Drains



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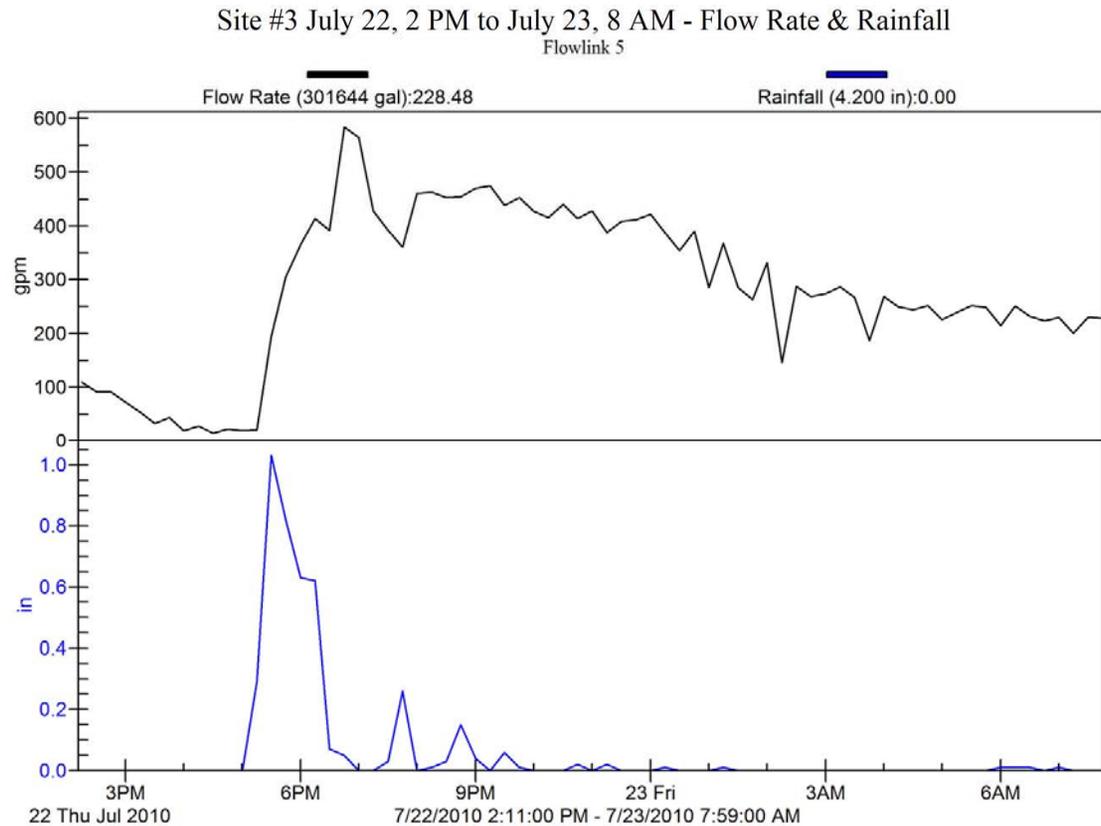
# Root Intrusion from Lateral



# Targeted Program

- Performed infiltration and inflow investigations in 2010 and 2011
- Arose out of extreme rain events in 2008 and 2010 (lift station failure and bypass pumping events)
- Massive amounts of clear water entering the system

# Flow Data – Beach Drive 2010



# Investigations Performed

- 2010 – Basin 8: Beach Drive and homes tributary to Beach Drive (Fox Lane and Goodrich Lane)
- 2011 – Basin 2: Basically between Indian Creek and Lake Drive and Dean Road to Willow Road\
- 2011 – Basin 3: Select homes on Goodrich Lane and Gray Log Lane
- 2013 – Lateral televising

# Specific Activities

- Inspected sump pump connections
- Inspected down spout connections
- Televised and inspected sanitary sewer mains in the Village right of way
- Performed dye water testing and smoke testing
- Televised laterals to more specifically pinpoint sources of clear water infiltration

# MMSD Funding

- \$30,000,000 total funding – 2010 through 2014
- Allocations based on equalized value of each of the 28 communities
- Fox Point's approximate allocations:
  - 2010 - \$14,000
  - 2011 - \$108,000
  - 2012 – 113,000
  - 2013 - \$113,000
  - 2014 - \$69,000
  - Total available, including fund transfers - \$443,000
- Work plans developed for various projects (currently four total)

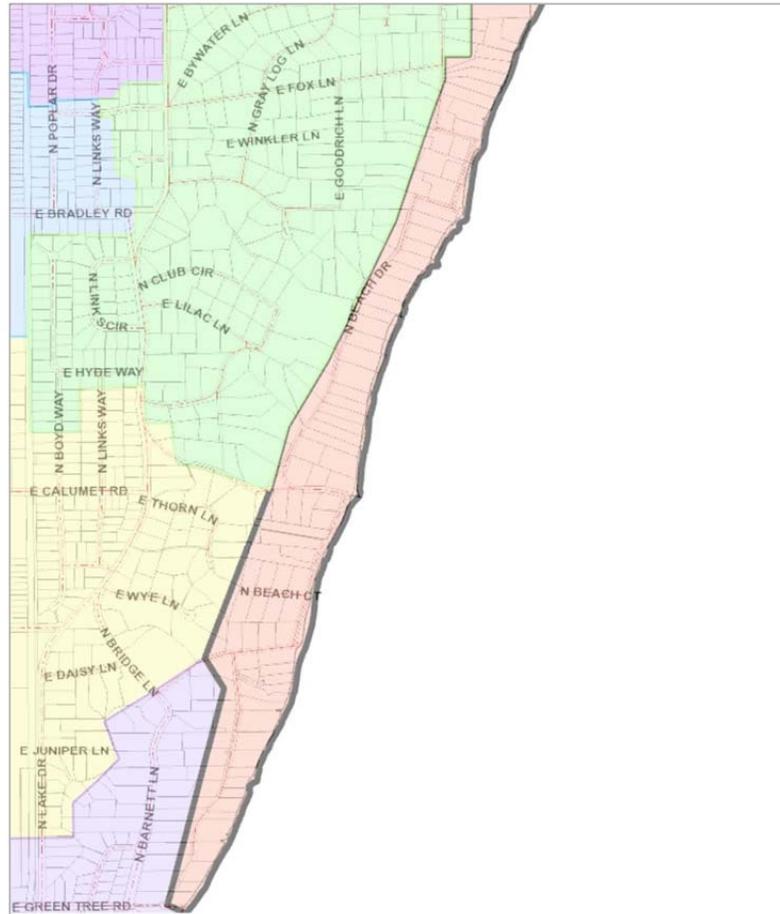
# Fox Point Private Property Program

- 2010 – Funding proposed from MMSD
- 2011 – Fox Point resolution:
  - Televising costs covered 100% up to \$500
  - Lateral rehabilitation costs covered at 50% up to \$5,000 maximum contribution
- 2012 – Second resolution – funding prohibited if access to homes was denied
- 2013 – Third resolution – allows for payment over time if needed

# Proposed Rehabilitation Project

- Perform lateral lining – may be all or only a portion of the lateral
- Insert T-liners
- Installation of cleanouts (outside the house – typically in the front yard)
- Disconnect down spouts, sump pumps and/or storm manhole
- Perform a relay

# Areas of Concentration – Base Bid



**Village of Fox Point**  
2014 Private Property I&I Program

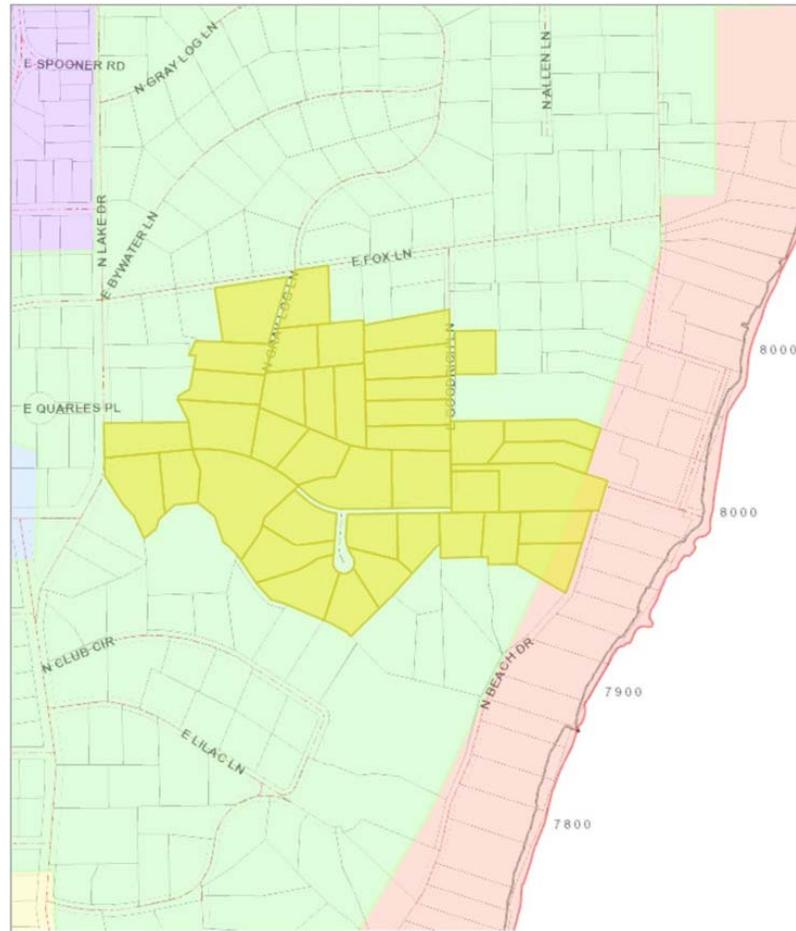
**VILLAGE OF FOX POINT**  
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SCALE: 1" = 1000'

Print Date: 3/17/2014

# Areas of Concentration - Alternate



**Village of Fox Point - Basin 3**  
2014 Private Property I&I Program

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SCALE: 1" = 500'

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# Pipe Liner Example



# Cost Implications

- Bid opening delayed
- Actual costs not yet determined
- Estimated total costs (before 50% cost share):
  - \$2,500 to \$13,000 per location
- Estimated resident cost share:
  - \$1,250 to \$8,000
  - Upper end based on \$5,000 maximum reimbursement

# Do I Need To Participate?

- Mandatory? No – completely voluntary
- Recommended? Yes – cost share will not always be available
- Impacts of foregoing program?
  - Funds will be allocated to other properties
  - Likely not able to participate in future projects
  - Prospective purchasers becoming more savvy – improving lateral is a selling point

# Participatory Requirements

- Infiltration and Inflow Reduction Program Application
- Waiver of Potential Condemnation Rights
- Temporary Construction Easement and Deed Restriction
- Waiver of Special Assessment Notices and Hearings

# Project Schedule

- Bid opening – Thursday, April 24
- Bid award – Tuesday, May 13
- Estimated project start date – June 1
- Executed forms from property owners:
  - Application needed as soon as possible – preferably by May 9
  - Easements and waivers – needed by May 30 prior to project start date
  - Decision to pay in a lump sum upon completion of work or over time (specially assessed)
  - If specially assessed, will be placed on taxes and interest will be charged each year

Questions?