

Sewer Smoke Testing Open House August 6th, 2015



Smoke Testing:

- The City of Greenwood has been notified by the Metropolitan Council – who treats all waste water in the Metro area – that Greenwood is sending large amounts of clear (clean/storm) water to be treated during storm events
- This water is referred to as Inflow & Infiltration
- These flows result in a charge to the City and residents
- It's in the best interest of both to attempt to identify the sources and eliminate the clear water entering
- The City Council engaged Bolton & Menk to assist with this effort and turning any findings into a project to eliminate the water entering the system



Inflow & Infiltration Sources

PRIVATE

INFLOW SOURCES

- SUMP PUMP CONNECTION
- CONNECTED FOUNDATION DRAIN
- ROOF DRAIN CONNECTION
- UNCAPPED OR BROKEN SEWER CLEAN-OUT
- BREAKS, CRACKS & OPEN JOINTS IN SERVICE PIPE

INFILTRATION SOURCES

- ROOT INTRUSION INTO SERVICE PIPE
- BREAKS, CRACKS & OPEN JOINTS IN SERVICE PIPE

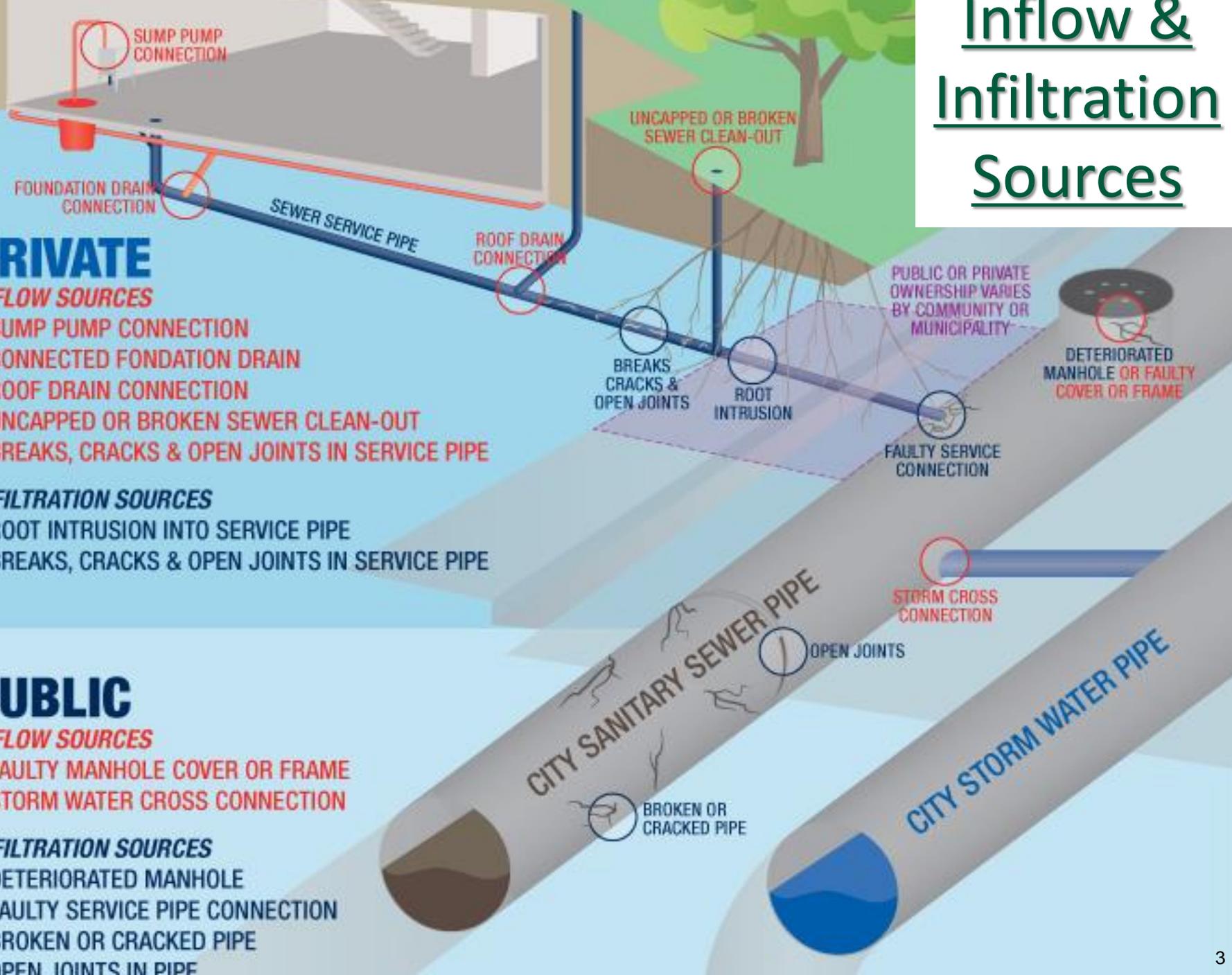
PUBLIC

INFLOW SOURCES

- FAULTY MANHOLE COVER OR FRAME
- STORM WATER CROSS CONNECTION

INFILTRATION SOURCES

- DETERIORATED MANHOLE
- FAULTY SERVICE PIPE CONNECTION
- BROKEN OR CRACKED PIPE
- OPEN JOINTS IN PIPE



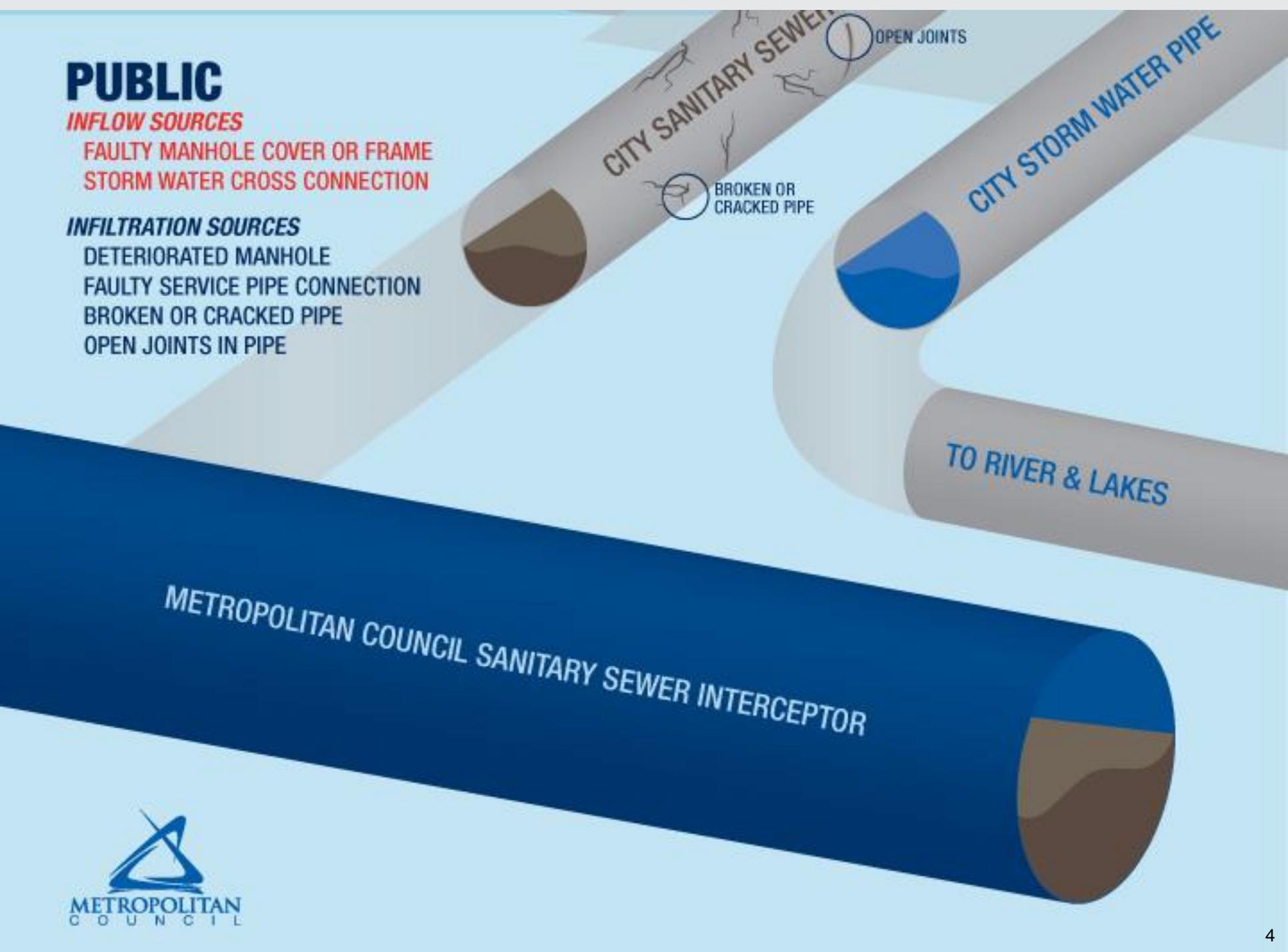
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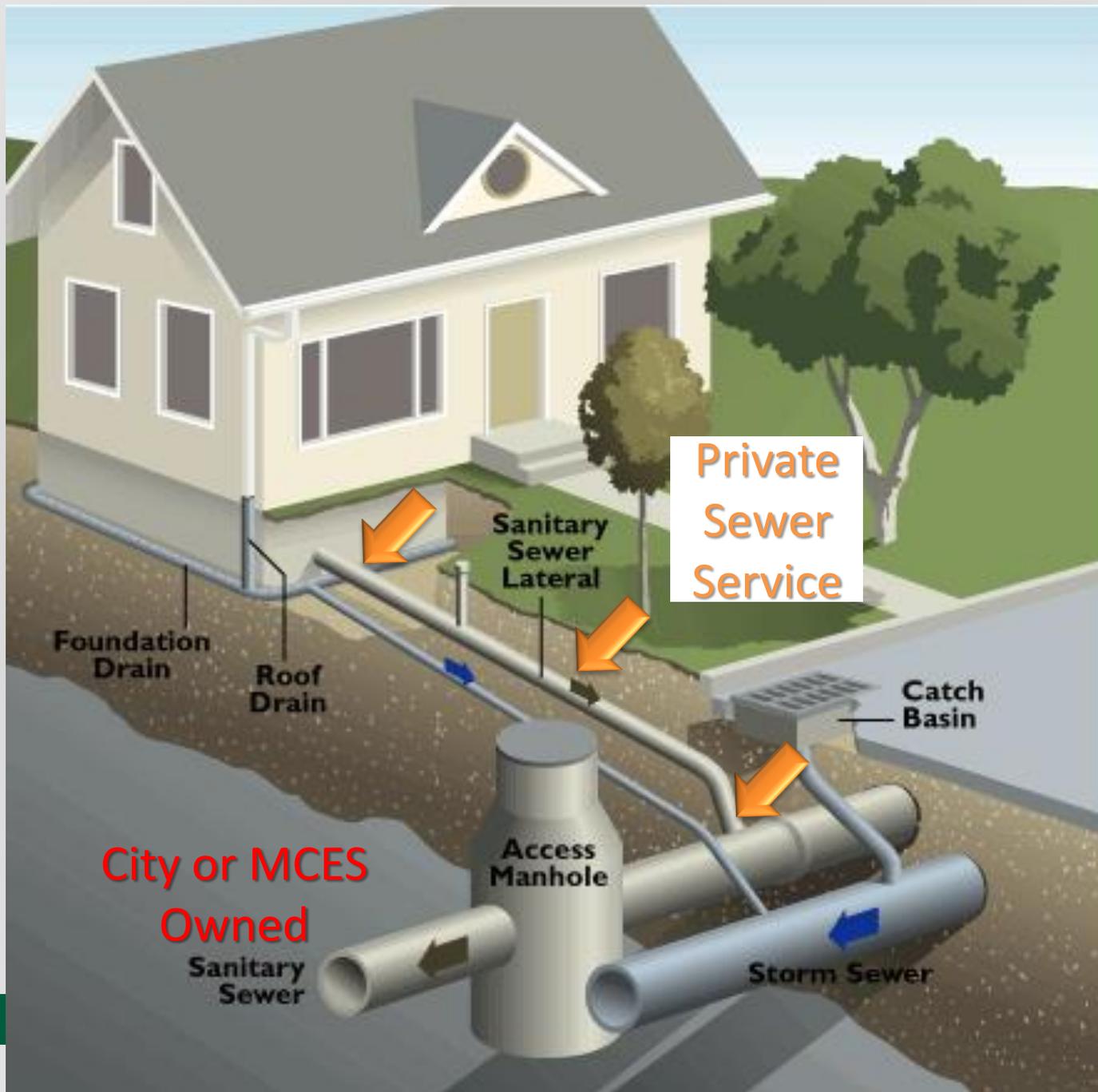
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Private
Sewer
Service

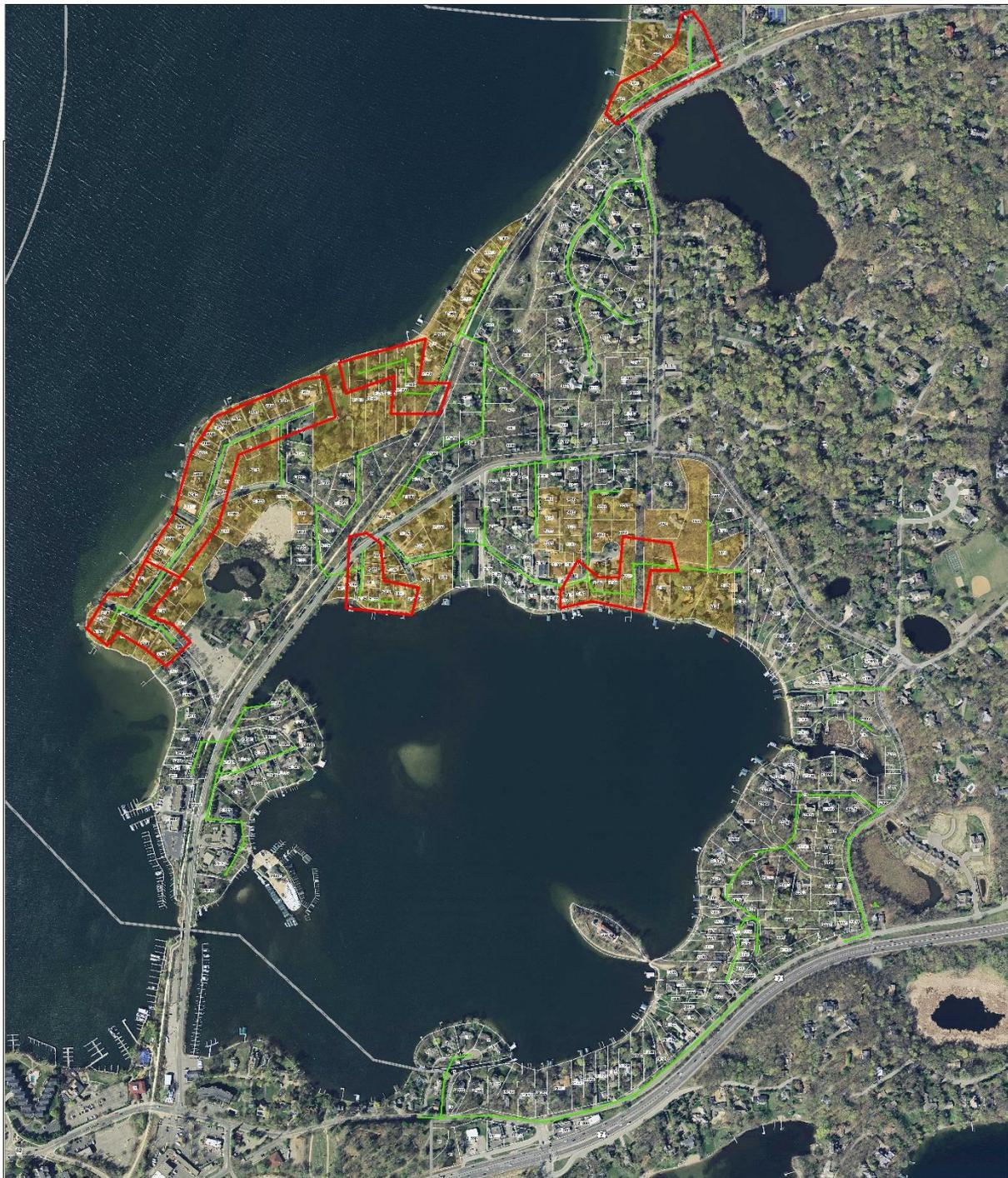
City or MCES
Owned
Sanitary
Sewer



Goals of Smoke Testing:

- Identify breaks, cracks, other gaps in the sanitary sewer system
- Identify any cross connections with other systems (storm sewer)
- Identify any illegal connections (sources of clear water such as roof drains) to the sanitary sewer





Open House:

- 5:00pm - Short Presentation
- Ongoing – Q & A and Videos of Smoke Testing
- 6:00pm - Short Presentation
- Ongoing – Q & A and Videos of Smoke Testing
- 7:00pm – Short Presentation
- 7:15pm – Conclusion



Smoke Testing Schedule:

- August 6th – Open House
- August 17th – Door Hangers (Advance Notice)
- August 18, 19, 20 – Smoke Testing Performed
- August 21+ - Develop Potential Project Based on Smoke Testing Results



Sanitary Sewer Smoke Testing:

- The smoke is non-toxic and not harmful, but can be a mild irritant
- If your home does not have any dry traps and is connected properly NO smoke will enter the home, any smoke in the system will evacuate up through the vent stack
- If your home DOES receive smoke during the testing, or you discover it after the testing, please let us know immediately
- Emergency Services will be notified that we are performing smoke testing



Sanitary Sewer Smoke Testing:

- Follow up:
The City will be developing an action plan based on what the smoke testing demonstrates for results
- Some work is already planned to seal up the sanitary sewer system

