Clean Water Pilot Update

City of Lakewood
onelakewood.com/cleanwaterpilot

March 3, 2015
Tonight’s agenda

- Why we’re here
- Review and update on pilot study begun in 2014
- Pilot program next steps
- Corrections and costs
- Your questions; sources for more information
Our Clean Water Act obligations

- CWA: Federal mandate to reduce untreated sanitary discharges into our local waterways
- Waterways include Lake Erie and Rocky River
- Overseen by US EPA and Ohio EPA via latest permit and administrative orders
Objectives of this pilot study

- Determine how each property’s storm water and sanitary sewage drain into the sewer system
- If test results indicate improper connections, determine the cause
- Determine the most feasible corrective action for each defective property
- Determine whether source control is a long-term viable option to undertake citywide
- City also investigating, repairing and rehabilitating public sewer system on each street
Common sources of sewage mixing with storm water

Sources of storm water mixing with sanitary sewage

- Connections from house to wrong pipe in the street
- Gutter drains (downspouts)
- Foundation drains
- Yard and driveway drains
- Broken pipe and defective connections
- Separated joints
2015 sewer pilot area
Private property inspections: what to expect from the city

Exterior
- Record the location of each property’s drainage features such as downspouts, yard drains and exposed pipes
- Pour water and dye into the drainage features to determine if connected to the storm, sanitary or both
- Access clean-outs and test-tees

Interior
- Record the location of each property’s interior plumbing features such as sumps, floor drains, utility tubs and sanitary stack
- Video sanitary lateral from inside the house to sanitary sewer mainline
- Record the basement floor height
- Change the water meter
What you need to do now

Exterior
- Expect a door hanger specifying the approximate date of testing; city will schedule this
- You may be but need not be present for exterior inspection
- Clear areas where there are downspouts and all drains
- Contact the Engineering Division if you have any unique features or drainage issues (the program may be able to solve these issues if within the program guidelines)

Interior
- Contact us by **March 31, 2015** to schedule an appointment for interior work
- Have an adult present during the work
- Clear the areas where access is required at sanitary line and water meter
- Point out to the team basement features such as floor drains, sump pits, sanitary lines, showers, toilets
Typical basement sanitary cleanouts
Typical water meters
Typical sumps
After testing, our next steps

- Our team will review results
- Some properties may require follow-up work to determine causes or verify connections
- Most feasible construction option will be determined
- City will send you letter identifying results and providing recommended repairs, with associated costs
- City will contract for repairs and be responsible for construction oversight at each property
After testing, our next steps (cont’d)

- Owner is given 30 days to opt in by returning form received
- No response? You must contract for the work, obtain building permits and pay for all repairs within the provided timeline
- Within 30 days, you may also appeal the listed corrections to the Board of Building Appeals; requires application and $25 fee
- City provides financing once final cost is known (see next slide)
What will the corrections cost?

- City Council currently considering $900K for the project overall.
  - Equals approximately $9K per home; estimates for major corrections are around $7,500-$10,000 per home.
  - True costs unknown, however, until after exterior and interior inspections are completed.
- For owners opting in: City to pay 90% of the final cost; owner to pay 10%.
- When project is complete, owner to be invoiced for the 10%.
- Options to pay include payment plans via water/sewer bill or property tax assessments.
Tell us ASAP if you’re planning any major improvements on property – new driveway, front porch repairs or rebuild, basement waterproofing, major landscaping.

Have any private buried utilities such as sprinkler systems, underground wiring for lights? Let us know now.

Contact Engineering Division if you have any unique features or drainage issues; pilot program work may be able to solve these issues if within program guidelines.
Contact us and find more information

**General contact:**
Division of Engineering
(216) 529-6692
engineering@lakewoodoh.net

**Questions on payment:**
Department of Finance
(216) 529-6090
finance@lakewoodoh.net

**More information online:**
www.onelakewood.com/cleanwaterpilot
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