**The City of Solon**
34200 Bainbridge Rd. | Solon, OH 44139
440-248-1155  | www.SolonOhio.org

Visit our Stormwater Program link on the city's website

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**2018-2019 MAYOR’S STORMWATER UPDATE**

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**Dear Solon Residents,**

For the past fourteen years the City of Solon has dedicated considerable resources to inspect, maintain, reconstruct and improve our storm and sanitary sewer systems. This year continues to be one of the city’s highest priorities.

This year’s newsletter highlights the sewer maintenance activities and construction projects performed in 2018 as well as the maintenance and construction projects scheduled for 2019.

Please take a moment to read this newsletter. I believe you will find it informative and helpful as a Solon resident who enjoys a healthy home.

If you have any questions or concerns, or if you have questions or concerns regarding the drainage systems on your property, please contact the Sewer Division at 440-248-5944.

Sincerely,

Edward H. Knaa

Edward H. Knaa, Mayor

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**What is your SOLONsolution?**

The SOLONsolution printed dress is a SOLONsolution, as is the SOLONsolution printed bicycle. The SOLONsolution is a SOLONsolution, as is the SOLONsolution printed SOLONsolution.

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**Contact Us:**

City of Solon
34200 Bainbridge Road
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Visit our storm water webpage at www.SolonOhio.org
2018 Projects Constructed

- **Sharondale Storm Sewer** - replaced the existing storm sewer from Sharondale Drive 400’ through the easement to a new headwall at the outfall.
- **Sherwood Culvert** - replaced the existing 36” corrugated metal pipe with new HDPE pipe across Sherwood Drive between two lakes including new manhole and headwall at the outfall.
- **Sewer Grouting program** cleaned and televised 3,818 of sewer pipe. Pressure tested and mechanically grouted 605 pipe joints, rehabilitated 16 manholes and replaced two manhole frames and grates.
- **Catch Basin program** repaired and adjusted 39 single or double catch basins to grade in residential and commercial areas and replaced 6 frames and grates.

2018 Sewer Division Accomplishments

- **Catch Basins** - 9 rebuilt or replaced and 4 installed
- **Culvert Pipes** - 5 replaced
- **Sanitary and Storm Cleanout Repair** - 25 sanitary cleanout’s and laterals were repaired and 6 storm cleanout and laterals were repaired/replaced
- **Sanitary Lateral Cleaning** - 33 sanitary laterals were cleaned
- **Sewer Calls** - 91 sanitary/storm sewer calls were performed during the year
- **Storm mains/laterals** - 5 mains were cleaned, 8 laterals were jetted and cleaned and 22 subdivisions had the catch basins vacuumed and jetted
- The TV Crew inspected 8 storm mains, 24 storm laterals, 6 sanitary mains and 40 sanitary laterals
- Dye tested 66 sinkholes and televised the 35 subdivisions before preventative maintenance cleaning of the storm mains.
- Detention and Retention Basins were inspected in the spring at 50 Home Owner Association or Individual Lot Owned locations and 19 city owned properties were inspected and cleaned.
- Smoke testing was performed at 78 homes on Maple Dr. and Sherbrook Park Dr.

2019 Sewer Division Preventative Maintenance Programs & Projects

- Continue with Closed Circuit TV (CCTV) Storm Preventative Maintenance (PM) monthly inspections
- Inspect retention/detention basins
- Continue flood control inspections prior to and after large rain events
- Dry weather monitoring as needed
- Replace sanitary lateral that runs across Bainbridge Rd. at Solon Rd.
- Replace section of RCP across Liberty Rd. at Solon/Twinsburg line
- Replace section of storm main at 32322 Bainbridge Rd.
- Smoke Testing
- Inspect all HOA and individual lot owned detention/retention basins
- Inspect and clean all city owned detention/retention basins

2018 Sanitary and Storm System Contractor

- **Rollingbrook Trail** - Re-established 900 ft. of ditch & removed 690 tons of debris.
- **Catch basins** were replaced at 4 locations due to deterioration or low elevations.
- **Briarhill Drive** - Repaired a storm main from a water main break.
- **Ada Drive** - Repaired leaking headwall between two retention ponds.
- **Cleverly Drive** - Replaced a 12’ deep storm cleanout.
- **Briarhill Drive** - Replaced a storm lateral problem identified through preventative maintenance activities.
- **Richmond Road** - Reestablished the creek bed.

2019 PROJECTS SCHEDULED

- **SOM Aurora Intersection Improvement Project** will widen SOM Center & Aurora Rd. Intersection to provide dual left turn lanes from SOM onto Aurora and a right turn lane from Aurora westbound onto SOM northbound. The improvements will also include new traffic signal equipment and resurfacing.
- **Derby Down Reconstruction** will include replacement of the storm sewer system, replace one segment of sanitary sewer and replacement of the existing concrete pavement with curb and gutter with asphalt pavement.
- **Fox Hill Storm Sewer Rehabilitation lining** of the existing storm sewer under the pavement at the entrance to Fox Hill Drive from Ada Drive and repair existing headwall.
- **Briarhill Dr. Culvert Replacement** will replace the existing two corrugated metal culvert pipes that discharge into Briarhill Lake with a cast in place bridge.
- **Arbordale Avenue Reconstruction Project** will include replacement of all storm and sanitary sewers. The existing concrete pavement will be replaced with curb and gutter and asphalt pavement.
- **Catch Basin Repair Program** includes rehabilitation of 39 single or double catch basins on residential and commercial streets.
- **SOM Center Resurfacing Project** will include repairing of the concrete base and resurfacing of the asphalt from the railroad bridge north to SR 422 and reconstruct the existing catch basins.
- **Miles Road Culvert** will replace an existing culvert on Miles Rd. west of Cheswick in the City of Solon and the Village of Orange.
- **Fairfield Oval Rehabilitation** will remove and replace the existing curb and gutter and drive aprons. The project will also include resurfacing the existing roadway.
- **Bunker Hill/Independence Sanitary Sewer Replacement project** will replace the existing sanitary sewer between the two cul-de-sacs through an existing easement.

2019 Sanitary & Storm System Repair Program

- **32717 Springside** - Replace storm lateral across the road to existing catch basin.
- **7373 White Oak** - Creek restoration
- **6231 SOM** - Catch basin replacement
- **Rollingbrook Trail** - Finish culvert work
- **6170 SOM True North Gas Station** - Sanitary lateral replacement across Solon Rd.
- **37234 Deer Run** - Northeast Lift Station retaining wall
Public Education & Public Involvement Activities

- How can a well-placed tree reduce summer cooling costs? A well-placed tree will provide shading in the summer which reduces the amount of heat absorbed on the house in the summer.

- What are ways that trees provide value for stormwater? They intercept rain with leaves and branches and reduce soil erosion.

- Which of the following describes how trees avoid air pollutants? Trees reduce energy use which reduces pollutants.

Congratulations!

SOLON’S
"Too Cute to Pollute"
Top Pet Model

We would like to extend our appreciation for the amazing Stormwater Awareness artwork created by the SCA students.

What is your SOLONution to Pollution?

BENJI

The Solon Service Department Sewer Division maintains and repairs approximately 367 miles of Sanitary & Storm Sewer in the City of Solon. Currently, the Sewer Division operates two Gap-Vax Sewer Trucks, a CCTV Truck, and multiple support vehicles. Our equipment and dedicated staff maintain and inspect the City’s Sanitary and Sewer lines through our five year preventive maintenance program. We welcome comments and questions regarding your Sanitary and Storm Sewer issues at 440-248-5834 ext. 1955. We believe that education and maintenance is paramount for the health of the system.