

STREAM CLEANING



Our watershed partners and girl scouts collected 9 bags of debris from St. Mary's stream.

The City of Solon is committed to using responsible best management practices to assure that we discharge the highest quality of stormwater runoff practical into our local rivers and streams. A stormwater management plan has been designed by the City to assure we consistently meet this commitment. The plan, which is required by the Ohio EPA, outlines our goals and methods for educating our public in ways they can reduce stormwater pollution during regular household activities such as the use and disposal of products like fertilizer, pesticides, antifreeze and motor oil. We also plan projects to involve the public in awareness activities like door hangers and pet photo contests.

Stream cleaning activities like the one featured in this brochure are more hands-on and help residents make a measurable contribution to pollution prevention. The plan provides for dry weather monitoring of stormwater outfalls to actively look for illicit discharges of pollutants into our stormwater system which can be eliminated when found. Maintaining clean stormwater runoff from public and private construction sites is a daily challenge using site specific plans. Annual inspections by the public and private owners of detention and retention basins are vital to protect water quality and property from flooding. These inspections also verify that responsible maintenance activities are performed to assure these structures always perform as designed. Training our employees and educating our residents to follow responsible practices in their daily activities has a large impact on the quality of our stormwater runoff. Actively and regularly inspecting, cleaning and maintaining our storm sewer, sanitary sewer and drainage systems makes certain that they are as ready as possible to serve our everyday needs as well as during major storm events. Although there is no way to control how much water will fall out of the sky when it rains or how saturated the ground might be when the rain arrives, the City works diligently to make sure the infrastructure we have is as ready as it can be to manage the flow in a clean and productive manner.



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SPRING MAINTENANCE TIP

Spring has sprung! This time of year, it is important to inspect stormwater control measures for winter damage and start routine maintenance for the year.



Citizen's Stormwater Committee

Hal Becker, Chairman
Ken Hejduk
Charles DeBordeau
Lou Ferri
Kerry Volsky
Roger Newberry

City Employees

John Busch, PE, City Engineer
Dan Driscoll, Construction Project Administrator
Bill Drsek, Director of City Services
Michael Gelardi, Sewer Division Manager
Marci Rizzo, Construction Secretary

Council

Ward 1 Douglas Magill
Ward 2 Robert Pelunis
Ward 3 Jeremy Zelwin
Ward 4 Marc Kotora
Ward 5 Nancy Meany
Ward 6 Robert Shimits
Ward 7 William Russo



CITY OF SOLON | 2017-2018 STORMWATER UPDATE



Welcome to the City of Solon Stormwater Update. In this annual newsletter you will find information on projects completed last year and projects that are scheduled for this year. I hope this information will demonstrate to you that we continue to make infrastructure improvements a priority throughout the city year after year.

I would like to also thank the members of the Stormwater Committee. These six dedicated individuals have been serving since 2006 to assist the city in our goal of planning and implementing an effective stormwater management program. We could not achieve the success we have in infrastructure improvements without their assistance.

Please take the time to review this information and assess the drainage systems on your property. It is important to make preventative maintenance on your property a priority. If you need any assistance or guidance you can contact us for help.

Edward H. Kraus
Edward H. Kraus

COMPLETED 2017 SEWER PROJECTS

Bainbridge Culvert

Rehabilitate the interior of the box culvert underneath Bainbridge Road near Harper Road.

Cochran Road Phase II

Replaced storm sewers and concrete pavement from Solon Industrial to the south City limits.

Copley Avenue Reconstruction Project

Replaced most of the storm sewer and all of the concrete pavement with curb and gutter and asphalt.

Miles Road Sanitary Sewer Project

Replaced the sanitary sewer on the south side of Miles Road from Harper to approximately Boulder Creek. Used a combination of traditional open cut trench installation and pipe bursting to minimize construction impacts.

Roxbury Storm Sewer Replacement

Replaced the existing 72" corrugated metal pipe storm sewer with a new 60" smooth lined corrugated high density polyethylene pipe in the Roxbury school easement.



Replaced the existing 72" corrugated metal pipe storm sewer with a new 60" storm sewer in an easement on the south side of Roxbury School.



BAINBRIDGE ROAD CULVERT

Lining of the box culvert under Bainbridge Road at Harper Road. Thank you for your patience with the road closure above this project.



Pipe bursting 1,373 feet of sanitary sewer on Miles Road

Pipe bursting is a "trenchless" sewer replacement process which was used to replace 1,373 feet of the existing sanitary sewer on Miles Road. Rods are connected and pushed through the existing sewer pipe from the "receiving pit". When the end is pushed through to the insertion pit at the other end of the sewer, an oversized steel bursting head is attached to the rod on one end and attached to the long continuous new pipe section on the other end. A powerful hydraulic pulling unit in the receiving pit pulls the bursting head and new replacement pipe through the existing sewer. As the bursting head travels through the existing pipe it fractures the old sewer pipe and expands the cavity so that the new replacement pipe can follow it through the sewer to the receiving pit, thus replacing the old sewer pipe.

2017 SEWER DIVISION ACCOMPLISHMENTS

- All City owned detention/retention ponds were checked and cleaned as needed. Home Owner Association and Individual Lot Owned detention/retention basins were inspected.
- Sanitary sewer mains were cleaned on 15 streets and 6 subdivisions
- City crews cleaned catch basins on 25 streets
- City crews CCTV inspected sanitary and storm sewers systems throughout the City
- City crews performed rehabilitation on 57 catch basins throughout the City
- 178 locations on our flood control list around the City were inspected months before and after major rain events
- City crews raised and rebuilt 2 storm sewer headwalls
- City excavation crews completed 67 various sewer projects City wide

PROJECTS SCHEDULED FOR 2018

- Widen SOM Center and Aurora Road to provide dual left turn lanes. New storm and sanitary sewers in the project area and new traffic signal equipment will be installed.
- Derby Downs Reconstruction will include replacement of the storm sewer system and replacement of the existing concrete pavement with curb and gutter and asphalt.
- Fox Hill Storm Sewer Rehabilitation will include lining of the existing storm sewer under the pavement at the entrance to Fox Hill Drive.
- Sharondale Storm Sewer Replacement will replace the existing storm sewer from Sharondale Drive 400' through the easement to a new headwall at the outfall.
- Valley Forge Headwater Stream restoration project will restore 500' of floodplain and improve slope stability east of Liberty Road.
- Woodsdale Sanitary Sewer Replacement will replace 105' of 8" sanitary sewer.
- Sherwood Drive Storm Sewer Replacement will replace the existing 36" corrugated metal pipe with new HDPE pipe across Sherwood Drive between two lakes.

2018 SEWER DIVISION PLANNED MAINTENANCE ACTIVITIES

- Perform inspections and maintenance of all City owned detention and retention basins. Complete inspections of all Home Owner Association and individually owned retention and detention basins
- Smoke testing will be performed in the Sherbrook Subdivision
- Preventative maintenance cleaning of sanitary mains and catch basins
- Preventative maintenance CCTV inspections of storm and sanitary sewer systems
- Monthly checking of flood control routes before and after major rain events
- Check outfall locations 72 hours after a major rain event to proactively identify possible pollutants



It is our sincere intent to protect the health, safety, and welfare of the citizens of Solon, by ensuring that our streets, sewer drainage system and other infrastructure remain clean and safe to serve us reliably for many years to come.

CONTACT US

City of Solon | 34200 Bainbridge Road

Visit our stormwater web page at www.solonohio.org