



# The City Of Solon

OFFICE OF THE MAYOR

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We have provided you with this annual newsletter since the major storms of 2005 and 2006, which resulted in the flooding of many homes and businesses in our community. It is our intention to show you that maintaining reliable sanitary and storm sewer systems continues to be one of our highest priorities.

The Water Reclamation Department maintains 22 pump stations located throughout the City. The pump stations receive sanitary wastewater flow from low lying areas and pumps it to the Water Reclamation Facility where it is properly treated before being released to the nearby stream.

Our Engineering Department uses the data compiled from our consulting firms to identify and plan our annual sewer improvement projects. Our Construction Department works with many contractors to build these projects and ensure they are constructed to our required standards so that they remain effective for decades to come.

The Sewer Division remains devoted to cleaning and inspecting our sanitary and storm sewers on a continuing basis. They make the needed repairs to sewer mains, catch basins, manholes and detention basins as problems are identified.

Upon a property owner's request, the Sewer Division also monitors the condition of privately owned storm water detention and retention basins. They meet with home owner association representatives and residents who are responsible for the inspection and maintenance of these structures to inform and educate them of their responsibilities.

The City truly appreciates the efforts of those who perform their regular inspections and maintenance responsibilities and reports these activities to the Sewer Division as required. Controlling storm water is an ongoing process that we take quite seriously and we remain committed to managing every storm as efficiently as possible.

*Mayor Susan A. Drucker*

### Council

- Ward 1 Richard A Bell
- Ward 2 Robert N. Pelunis
- Ward 3 Jeffrey M. Pedicino
- Ward 4 Marc R. Kotora
- Ward 5 Nancy E. Meany
- Ward 6 Edward H. Kraus
- Ward 7 William I. Russo

### City Employees

- John Busch, PE, City Engineer
- Tom Bandiera, Director of City Services
- Dan Driscoll, Construction Project Administrator
- Bill Drsek, Sewer Division Manager
- Marcia Rizzo, Sewer Division Secretary

### STORM WATER TRIVIA

1. What are the two main watersheds located in Solon?
2. Where does storm water runoff end up?
3. How many miles of storm and sanitary sewers are in the city?
4. Name a Storm Water Message

1. Tinkers Creek and Chagrin River
2. Creeks, streams and eventually Lake Erie
3. 151 miles of sanitary sewers and 150 miles of storm sewers
4. "Know Where it Goes", "Only Rain in the Drain" and "Too Cute to Pollute"

### Citizens Storm Water Committee

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

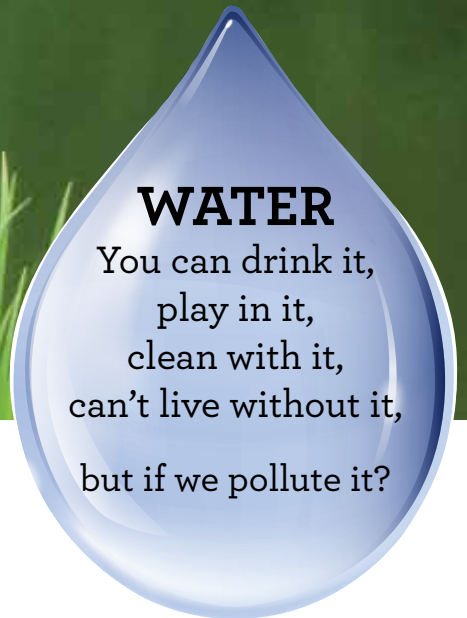


# 2014 CITY OF SOLON STORM WATER UPDATE



*Three ducklings waddling across the street dropped into the catch basin and fell into our sewer.*

*Crews successfully rescued and returned them safely to their mother.*



**WATER**  
You can drink it,  
play in it,  
clean with it,  
can't live without it,  
but if we pollute it?

## 2014 DESIGN AND CONSTRUCTION PROJECTS

### DESIGN

- Fox Run Storm Sewer Replacement
- Pepperwood Storm Sewer Improvements, Phase IIB
- SOM Center Road at Cannon Road Intersection Improvements
- SOM Center Road Sanitary Sewer Replacement
- Longview Drive Infrastructure Improvements

### CONSTRUCTION

- Bridle Trail Force Main Replacement-Replaced the existing sanitary force main by pipe bursting process
- Linden Drive Sewer Replacement-Reconstructed the sanitary and storm sewers and pavement
- Pepperwood Storm Sewer Improvement Project, Phase IIA-Began construction of a new storm water detention basin and storm sewers
- Hunters Ridge Infrastructure Improvements-Reconstructed the water main, sanitary and storm sewers and pavement



Sewer Division replaced 12" corrugated metal pipe with 12" PVC on Liberty Road

## 2015 DESIGN AND CONSTRUCTION PROJECTS

### DESIGN

- Preserve Subdivision Storm Water Improvements Phase III
- Timberlane Drive Storm Water Management Study
- SOM Center Road and Aurora Road Intersection Improvements

### DESIGN & CONSTRUCTION

- St. Mary's Stream Restoration-City received grant money to repair stream erosion near Aurora Road
- Miles Road Sanitary Sewer Replacement

### CONSTRUCTION

- Pepperwood Storm Sewer Improvements, Phase IIB-Replace storm, sanitary sewer and full road reconstruction on Pepperwood Drive and Dodsworth Lane
- Fox Run Storm Sewer Replacement-Replace storm sewer and pavement, as well as storm sewer in easement near South Oval
- Brainard Road Culvert Replacement-Replace the 100 year old culvert north of Cannon Road
- SOM Center Road Sanitary Sewer Replacement-Baldwin Road to 6520 SOM Center Road
- SOM Center Road Concrete Repair-Repair concrete pavement and catch basins
- Longview Drive Infrastructure Improvements-Replace storm sewer and pavement on Longview Drive from Arthur Road to Kingswood Drive
- Sanitary and Storm System Repair-Assist the Sewer Division with repairs on an as needed basis
- Grouting Repair- Grouting of storm and sanitary joints as needed throughout the city



Linden Drive Sewer Replacement

## 2014 ACCOMPLISHMENTS SANITARY & STORM SYSTEM REPAIR PROGRAM

- Responded to two emergency catch basin replacements, and repaired an additional six
- Responded to emergency storm culvert repair after water break on Richmond Road
- Replaced one concrete channel and a headwall in two separate detention basins
- Repaired one sanitary and storm main on Glasgow Court
- Repaired sanitary lateral on Solon Road and storm lateral under the road on Duneden Avenue
- Removed sediment removal at two different locations
- Restored rip rap on banks of Richmond Road creek
- Repaired storm manhole on Solon Boulevard and depressed pavement

## Sewer Division Preventative Maintenance & Activities

- Cleaned catch basins on 40 streets and an additional 45 catch basins throughout the City
- Reconstruct or rebuilt 64 catch basins from our priority list
- Storm main televising on 13 streets and sanitary main televising on 33 streets and five easements
- Cleaned over 66,000 feet of sanitary sewer on 33 streets and storm main on 11 streets
- Replaced, repaired or installed 30 storm or sanitary test tees or laterals, four storm mains and two culvert pipes
- Waterproofed 30 storm or sanitary manholes
- Cleaned creeks and performed roadside ditching at eight locations
- Inspected a list of identified locations prone to flooding monthly and before and after rain events
- **Detention and Retention Basin Inspections and Cleaning**
  - All City basins were cleaned and inspected and all HOA and individual lot owned basins were inspected upon request.
  - In the spring the City mails a copy of our Inspection and Maintenance form to a list of HOAs and individual owners to use when inspecting and cleaning their basins.
- Conducted Electro Scan in the northeast section of Solon to further pinpoint locations of inflow & infiltration in sanitary sewers
- Based on the city's consultant's flow monitoring studies, seven streets were identified as high areas of inflow & infiltration and were grouted by our outside contractor



Sanitary and Storm Repair contractor removed and replaced gabion baskets on the east side of White Oak on both sides of the creek.



Replaced concrete channel at Fire Station #3

