



The City of Solon
OFFICE OF THE MAYOR

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MAYOR SUSAN A. DRUCKER

This past year Mother Nature delivered unprecedented rain fall shattering the previous all time record by over 10 inches. Through our efforts as a community we have been successful in improving our storm water system and management plan, which has allowed us to minimize the impacts of major storm events. This year's newsletter details our continued effort to improve and maintain our infrastructure system.

Mayor Susan A. Drucker



As a good resident of the City of Solon, Lara pledged to prevent pet pollution.



Council

- Ward 1 Richard A. Bell
- Ward 2 Robert N. Pelunis
- Ward 3 Toni M. Richmond
- Ward 4 William D. Mooney
- Ward 5 Nancy E. Meany
- Ward 6 Edward H. Kraus, Vice Mayor
- Ward 7 William I. Russo

Storm Water Committee

- Hal Becker, Chairman
- Ken Hejduk
- Charles DeBordeau
- Lou Ferri
- Chris Emshoff
- Kerry Volsky
- Drew Kirian
- Roger Newberry
- Shirly Schluchter

City Employees

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

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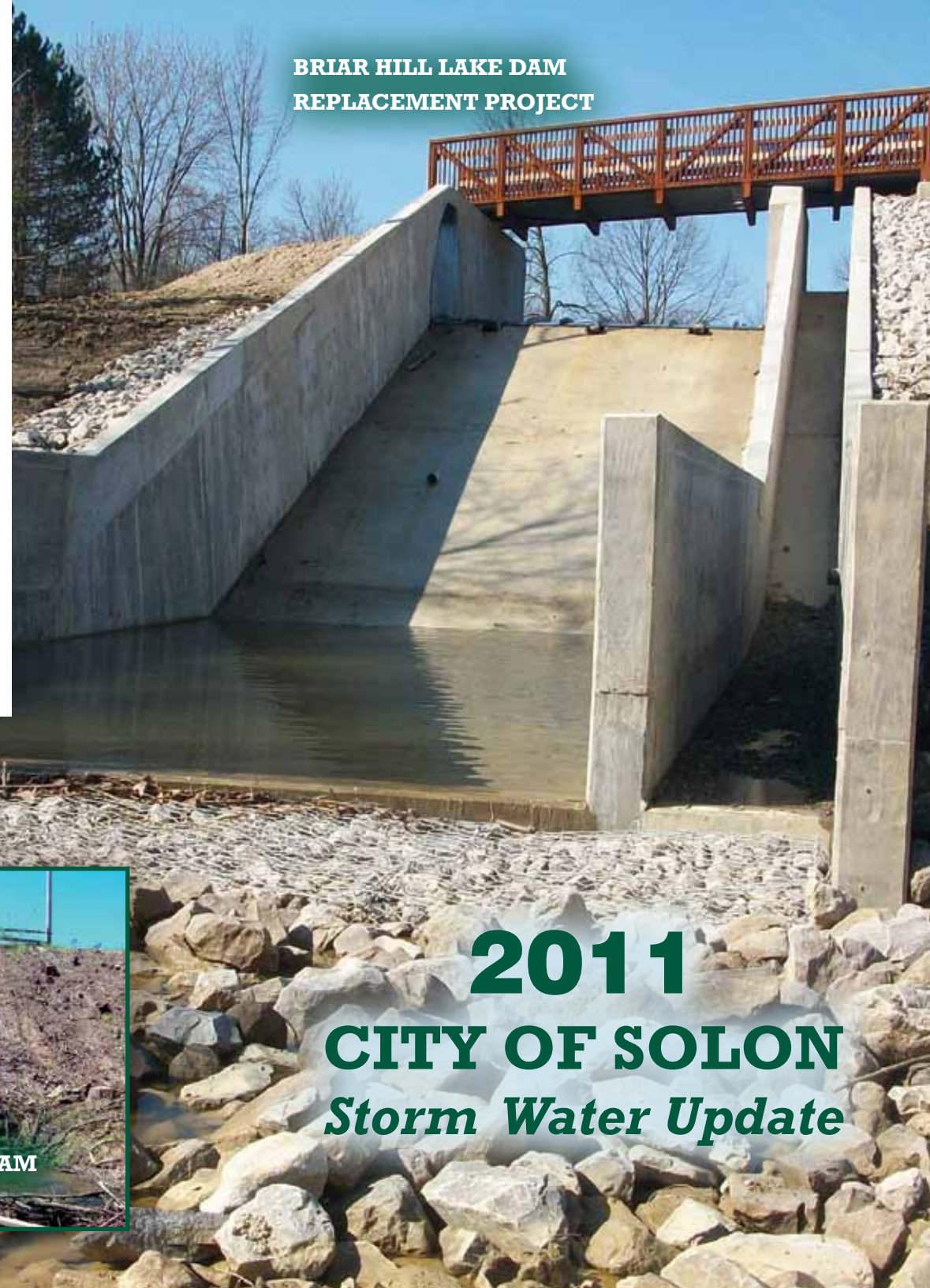
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The City of Solon
34200 Bainbridge Rd.
Solon, OH 44139



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**BRIAR HILL LAKE DAM
REPLACEMENT PROJECT**



**BRIAR HILL LAKE DAM
before**

**2011
CITY OF SOLON
Storm Water Update**

MAINTENANCE ACTIVITIES & STUDIES

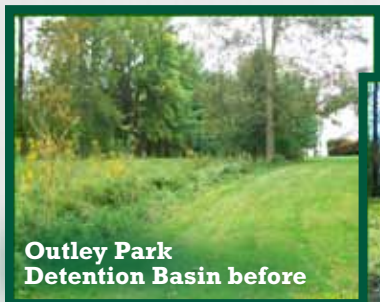
- Modified or restored three detention basins.
- Tested 3500 feet of storm sewers in areas of sinkholes and grouted leaking pipe joints.
- Cleaned 91,139 feet of sanitary sewer main.
- Cleaned storm sewers on 15 streets.
- Cleaned 514 catch basins and their connections to the storm sewer.
- Cleaned 21 creeks or streams and performed roadside ditching at 16 locations.
- Installed 41 new catch basins or yard basins and reconstructed 67 catch basins.
- Made eight storm sewer main repairs or installations.
- Repaired or replaced two sanitary sewer laterals, five storm sewer laterals and repaired or installed 31 storm test tee's.
- Replaced or repaired 13 culverts including four on Bainbridge Road.
- Repaired erosion behind pedestrian fence on Pettibone Road at culvert, cleaned outlet of storm sewer and added rip rap.
- Restored gabion baskets on North Burr Oak.
- Replaced concrete channel along McAfee Dr.

SMOKE & DYE TESTING

Smoke tested sanitary sewers on SOM Center and Aurora Road in the center of town, Old South Miles and the Kleinman Sheridans Park Subdivision to check for inflow and infiltration problems.

Sewer Division crews have been making repairs to problems identified in these smoke tested areas and contacted private property owners where follow up dye testing will be required.

Sewer Division crews performed private property dye testing in the ABC street area and Chagrin Valley Estates where the owners have completed necessary repairs.



**Outley Park
Detention Basin before**



**Outley Park
Detention Basin after**

PRIVATE PROPERTY DETENTION BASIN

The Sewer Division met with five new home owners and association representatives to review detention basin maintenance activities and reporting requirements.

27 home owners or associations inspected their private property detention basins and reported their maintenance activities to the Sewer Division. Fourteen detention basins were maintained and inspected by the Sewer Division.

DESIGN & CONSTRUCTION

- Briarhill Lake Dam Replacement Project
- Pepperwood Detention Basin Design



**Westminister
Detention Basin overflow
& outlet structure**



**Westminister Detention
Basin rebuilt outlet**



**Culvert replaced on
Bainbridge Road**

SEWER DIVISION CREWS AT WORK



On SOM Center Road our crews installed catch basins, curb & road restoration.



Ledgebrook Ln. Installed 120' storm sewer pipe & 3x3 catch basin.

- St. Mary's Stream Restoration Project
- The Preserve Wetland Modification Project Phase III
- Limberlost Storm Sewer Improvement Project
- Pepperwood Phase II A detention basin construction
- Complete design for Pepperwood Phase II B
- Woodbury detention basin expansion
- Smoke and dye testing will continue on Aurora Road east of SOM Center Road along with two residential areas and one commercial or industrial area.
- Preventative maintenance cleaning schedules of storm and sanitary sewer mains and lift stations.
- Storm and sanitary reconstruction on Linden Drive and Parkway Drive at Forest Glen Ave.
- Testing of pipe joints in areas of sinkholes and grouting as needed.

Storm Water Awareness Q & A

Q What is nonpoint source pollution?

A Nonpoint source pollution is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves it picks up and carries away natural and human made pollutants, finally depositing them into our creeks, rivers and lakes which are sources of drinking water.

Q What causes nonpoint source pollution?

A We all play a part. Nonpoint source pollution results from a wide variety of human activities on the land. Each of us can contribute to the problem without even realizing it.

Tips to reduce & prevent nonpoint source pollution.

- Don't throw pet waste into the street or storm drain. Bag it and throw it away in the trash.
- Keep litter, leaves and debris out of storm drains; these outlets drain directly to our lakes and streams.
- Apply lawn and garden chemicals sparingly and according to directions.
- Dispose of household chemicals properly and according to directions, not in storm sewers or drains.
- Repair oil leaks from your car and clean up spilled brake fluid, oil, grease and antifreeze. Do not pour onto the ground or hose them into the street where they can eventually reach local streams and lakes.