For the past four years the City of Solon has been pursuing our commitment to correcting problems and completing the necessary improvements to our storm water infrastructure. At this time we are ensuring that preventative maintenance work continues to be performed and residents educated on the progress we have made. As the seasons change, our focus from clearing snow off the roads shifts to continuing proper drainage in our storm sewer systems. Storm water improvements continue to be one of the City’s top priorities. For the past three years, the City of Solon has invested over seven million dollars in storm water related projects. In addition, another seven million dollars has been allocated for 2010 and 2011. Together we have made significant progress in improving our systems. We encourage our residents to participate in this effort and appreciate your comments or questions.

Mayor Susan A. Drucker

Note from the Sewer Division Manager:
Spring is the time to clean your gutters, make sure all downspouts are flowing and your yard drains are free of debris.

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2009 CITY OF SOLON STORM WATER UPDATE

ABERDEEN DETENTION BASIN - AFTER

Only RAIN into the DRAIN!

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At the inlet end of the basin the contractor installed a concrete channel and rock channel protection on the embankments and installed a rock barrier creating a silt trap to help property owners prevent silt pollution in their pond.
**ACCOMPLISHMENTS FOR 2009**

**DESIGN & CONSTRUCTION**
- Completed the design of our Vactor Receiving Station.
- Started design of Limberlost storm sewer improvements, Woodbury detention basin expansion and Liberty Hills basin modification.
- Reviewed design for North Huntington Basin and Pepperwood Phase I.
- Completed Miles Road Storm Sewer Project.
- Completed Dorset Detention Basin Expansion.
- Cannon Road drainage improvements.
- Started the Sulphur Springs Restoration Project.
- Sanitary Sewer Master Plan Update.
- New storm sewers were constructed as part of the Pettibone Road Storm Sewer Project.

**MAINTENANCE ACTIVITIES & STUDIES**
- Annual cleaning programs in both storm and sanitary sewer mains, catch basins and manholes.
- Performed ongoing preventative maintenance TV inspection of both sanitary and storm sewer systems.
- Performed monthly checks of known locations prone to flooding and cleaned as needed.
- Completed smoke testing study in The Preserve and Chagrin Valley Estates.
- Began private property dye testing in Chagrin Valley Estates and continued in the ABC streets.

**PUBLIC INVOLVEMENT**
- Built and displayed during Home Days a model house that demonstrated the path of storm water at a residence during rain events.
- Met with private property owners of detention basin to review maintenance and reporting procedures.
- The Citizen’s Storm Water Committee met quarterly to discuss city’s progress and plans for storm water management. These meetings are open to the public and the times, dates and meeting minutes are available on the city’s website.

**SANITARY AND STORM SEWER REHABILITATION CONTRACTOR COMPLETED**

- Constructed the Vactor dump pit.
- 4 detention and 2 retention basin cleaning and modifications.
- 3 stream erosion control improvements.
- 1 sanitary sewer main repair.
- 2 storm sewer main repairs.
- 4 new storm sewer & catch basin installations.
- 1 storm sewer culvert modified and 1 storm sewer culvert cleaned.
- 7 catch basins repaired or replaced.
- 2 manholes adjusted to grade.
- 2 inlet connections repaired.
- 9 sewer lateral repairs & installations.

**GOALS FOR 2010**
- Liberty Hills detention basin outlet modifications and inlet culvert pipe installation and concrete channel.
- Andre Lane retention basin cleaning.
- Outlet modifications at Woodbury detention basin & basin expansion.
- North Huntington Detention Basin Expansion.
- Pepperwood Storm Sewer Replacement Phase I construction and Phase II design.
- Private Property Detention Basin Maintenance and Inspection Program.
- Briarhill Lake Dam Replacement.
- St. Mary’s Stream Bank Restoration Project.
- Design of the Limberlost Storm Sewer Project.
- The Preserve Wetland Modification Project.
- Continue smoke and dye testing of sewer systems.
- Restore Woodall Detention Basin.
- Continue preventative maintenance cleaning schedules and repair of sanitary storm sewer mains, manholes and catch basins.

![Storm water model home.](image)

![A Vactor Receiving Station was constructed for the purpose of separating water from the solids for our storm sewer, catch basin and street sweeping.](image)