This newsletter represents the third in an ongoing series of Annual Reports for the purpose of providing Solon residents an accounting of the progress of our efforts on improving the City’s stormwater infrastructure. Over this past year we have continued to design and construct projects to curtail long term issues or those identified as potential problems utilizing our hydraulic storm water modeling capabilities. We have initiated new programs intended to minimize storm water entering the sanitary sewer system and have started training the public on how to keep their detention and retention basins working properly. Collectively we have made an impact on our ability to manage storm water and will remain diligent in assuring that the system functions as designed at all times. We encourage residents to continue to participate in this effort and welcome any questions or comments you may have.

Mayor Kevin C. Patton

Storm Sewer Outfall... Built a headwall by the storm sewer outlet and installed gabion baskets for erosion control.
ACCOMPLISHMENTS FOR 2008

Studies: Continued dye testing on both public and private property in initial target area. Have identified sources of infiltration and inflow and have initiated corrective action.

Storm Water Modeling: Have completed building a computer model of the Tinker’s Creek 4 watershed. These completed models (4 in all) allow us to effectively evaluate planned and needed stormwater projects.

Sanitary Sewer Modeling: This comprehensive study will allow us to use a computer model to evaluate our sanitary system’s potential problem areas and provide important direction in taking corrective actions.

Maintenance Activities:
- Continued annual cleaning programs in both the sanitary and storm sewer mains, manholes and catch basins.
- Continued TV Inspection of both sanitary and storm sewer systems
- Performed roadside ditching and culvert maintenance
- Regularly checked and cleaned all known locations prone to flooding on our flood control list

New Basins:
- Creekside detention basin was constructed providing 5 acre feet of storage

Public Involvement:
- City passed “Comprehensive Stormwater Management Ordinance” and a “Erosion and Sedimentation in Vacant Land Development Ordinance.”
- Hosted a Pond and Lakes Maintenance Workshop which can be viewed in the archived files at www.solonohio.org
- Demonstrated a rain garden and provided information at Solon Home Days.
- Initiated a private property detention/retention basin maintenance and inspection program for property owners. Met with 20 owners to review maintenance reporting responsibilities

Citizen’s Storm Water Committee:
Met quarterly to discuss city’s progress and plans for stormwater management. These meetings are open to the public and the times, dates and meeting minutes are available on the City’s website.

IN 2008, OUR STORM CHANNEL REHABILITATION CONTRACTOR COMPLETED:

- 3 Detention/Retention basin modifications
- 3 Detention basins cleaned and restored
- 4 Sanitary sewer main and manhole repairs
- 2 Sanitary sewer lateral or test tee repairs
- 6 Storm sewer main repairs
- 14 Creek erosion control projects and streams cleaned

SHERBROOK AERIAL SEWER REPAIR

Before

After

Sherbrook Aerial Sewer... Concrete columns were replaced as needed due to erosion from the stream.

GOALS FOR 2009

Studies:
- Continue to eliminate inflow & infiltration in areas prioritized by flow monitoring efforts.
- Continue smoke testing and dye testing of storm and sanitary sewer mains to identify inflow and infiltration problems.
- Complete Sanitary Sewer Master Sewer Plan Phase I and start Phase II.

Projects:
- Construct vacator and street sweeping debris receiving station
- Construct new storm sewer mains on Miles Rd. and in the Pepperwood subdivision
- Perform creek cleaning/restoration projects in Creekside, Valley Forge Dr., and St. Mary’s stream areas.
- Construct or modify the following stormwater storage basins
  1. North Huntington
  2. Woodbury
  3. Liberty Hills
  4. Thornbury
  5. Briarhill Lake
- Continue preventative maintenance cleaning schedules and repair of sanitary and storm sewer mains, manholes and catch basins.
- Annual grouting program to correct sinkhole issues.
- Aggressive effort in cleaning debris from streams and culverts.
- Continue to meet with owner of detention or retention basins

Council
Ward 1 Susan A. Drucker
Ward 2 Robert N. Pelunis
Ward 3 John T. Scott
Ward 4 Edward K. Suit
Ward 5 Lon D. Stolarsky
Ward 6 Edward H. Kraus
Ward 7 William I. Russo

Storm Water Committee
Hal Becker, Chairman
Barb Janca
Charles DeBordeau
Chris Emshoff
Dick Gortz
Drew Kirian
Ken Heljibik
Kerry Volsky
Lou Ferri
Roger Newberry
Shirley Schulster

City Employees
Jim Stanek
John Busch
Tom Bandiera
Dan Driscoll
William Oisek
Director of Public Works
City Engineer
Director of City Services
Construction Manager
Sewer Division Manager