



**ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL**

51 Leland Ave, PO Box 442, Utica, NY 13503-0442
(315) 798-5656 wpc@ocgov.net

FAX 724-9812

Anthony J. Picente, Jr.
County Executive

Steven P. Devan, P.E.
Commissioner

July 30, 2014

Gregg Townsend, P.E.
Regional Engineer
NYS Department of Environmental Conservation
317 Washington Street
Watertown, NY 13601

UNITED PARCEL SERVICE

Koon Tang, P.E., Director
Bureau of Water Permits
Division of Water
NYS Department of Environmental Conservation
625 Broadway, 4th Floor
Albany, NY 12233

Re: Oneida County Sewer District
Quarterly Progress Report – 2nd Quarter 2014

Consent Order No. R6-20060823-67

Dear Mr. Townsend and Mr. Tang:

On behalf of Oneida County, I am providing for your review and comment Oneida County's Quarterly Progress Report for the 2nd Quarter – 2014 as required per Section XIII – Reporting Requirements of the Consent Order. This document summarizes the status and progress of work completed between April 1, 2014 and June 30, 2014 in support of Consent Order compliance requirements.

Please feel free to contact me should you have any questions or need additional information.

Sincerely,

**THE ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL**

Steven P. Devan, P.E.
Commissioner

Enclosure: Quarterly Progress Report – 2nd Quarter 2014

ecc: Anthony J. Picente, Jr. - Oneida County Executive
Peter M. Rayhill, Esq. – Oneida County Attorney
Karl E. Schrantz, P.E. – O'Brien & Gere Engineers, Inc.
John Lagorga, P.E. – GHD Consulting Services, Inc.
Judy Drabicki, - NYSDEC
Joseph DiMura, P.E. - NYSDEC
Richard Coriale, P.E. – NYSDEC
Steven Botsford, P.E. - NYSDEC
Michael O'Neil, P.E. - NYSEFC

**SANITARY SEWER COLLECTION SYSTEM
QUARTERLY PROGRESS REPORT
2ND QUARTER – 2014
ONEIDA COUNTY SEWER DISTRICT**

NYSDEC Consent Order R620060823-67



Prepared for

**Oneida County Department of Water Quality
& Water Pollution Control**

**Steven P. Devan, P.E., Commissioner
51 Leland Avenue
Utica, NY 13502**

July 30, 2014



Cazenovia, NY



Syracuse, NY



Utica, NY

**Sanitary Sewer Collection System
Quarterly Progress Report
2nd Quarter - 2014
Oneida County Sewer District
NYSDEC Consent Order R620060823-67**

Prepared for:

**Oneida County Department of Water Quality &
Water Pollution Control**

Prepared by:

**O'Brien & Gere Engineers, Inc.
101 First Street
4th Floor
Utica, NY 13501**

July 30, 2014

TABLE OF CONTENTS

1.0 Introduction	1
1.1 Historical Background	1
1.2 Consent Order	1
2.0 Engineering Investigations and Evaluations	2
2.1 Collection System	2
2.1.1 Manhole Inspections	2
2.1.2 Sanitary Sewer Televising	2
2.1.3 Dye Testing	2
2.2 Water Pollution Control Plant	2
2.3 Sauquoit Creek Pump Station/Force Main	3
3.0 Management Programs	5
3.1 Computerized Management and Maintenance System	5
3.2 Flow Monitoring Program	5
3.3 Private Property I/I Reduction Program	5
3.4 Capacity, Management, Operations and Maintenance Program	6
4.0 Schedule/Milestone Dates	7
4.1 Approved Schedule	7
4.2 Milestones	7
5.0 Sewer Rehabilitation	8
5.1 Contract 2 – Sanitary Sewer Manhole Rehabilitation – Phase 2	8
5.2 Contract 3 – Sanitary Sewer Mainline Rehabilitation – Phase 1	8
5.3 Contract 4 – Sewer Separation – Clinton/Henderson Street, NY Mills	8
5.4 Contract 5 – Sewer Repairs and Rehabilitation – Phase 1	8
5.5 Contract 6 - Sanitary Sewer Mainline Rehabilitation – Phase 2	8
5.6 Contract 7 - Sanitary Sewer Mainline Rehabilitation - Phase 3	8
6.0 Assessment of Rehabilitation Effectiveness	9
7.0 Completed Capital Projects/Facility Upgrades	10
8.0 I/I Offset Projects/New Flows	11
9.0 Key Personnel Changes	12
9.1 County Staff	12
9.2 Satellite Community Staff	12
9.3 Consultant Team Staff	12
10.0 Administrative Items	13
10.1 Work Authorizations	13
10.2 Project Financing	13
10.2.1 Pending Application: Construction of the Sauquoit Creek Pump Station and New Forcemain and WPCP Solids Handling Upgrades (CWSRF No. C6-6070-08-04) \$92 million	13

TABLE OF CONTENTS (CONTINUED)

Appendices

Appendix A - Private Property Inflow/Infiltration Reduction Program Educational Material

Appendix B - NYSDEC letter of approval for extension on May 2014 deliverable

1.0 INTRODUCTION

1.1 HISTORICAL BACKGROUND

The Oneida County Sewer District (District) was formed in 1965 through an act by the former Oneida County Board of Supervisors. It is administered by Oneida County through the Oneida County Department of Water Quality and Water Pollution Control (WQ&WPC) which is responsible for the operation of the District's facilities and personnel. District facilities include 45 miles of interceptor sewers, the Sauquoit Creek and the Barnes Avenue Pumping Station, and the Water Pollution Control Plant. The District services 15 municipalities, nine of which are within the Sauquoit Creek Pumping Station (SCPS) Basin. These municipalities own and operate their own collection systems.

1.2 CONSENT ORDER

The New York State Department of Environmental Conservation (NYSDEC) and Oneida County (County) entered into a Consent Order (No. R620060823-67) due to sanitary sewer overflows (SSO) at the SCPS. In addition to the required mitigation of those SSOs, the Consent Order, with an effective date of December 12, 2011, requires the submission of Quarterly Progress Reports. The intent of this Quarterly Progress Report is to summarize the work that has been undertaken by the County between April 1, 2014 and June 30, 2014 (2nd Quarter of 2014) in support of the Consent Order compliance requirements.

2.0 ENGINEERING INVESTIGATIONS AND EVALUATIONS

During the 2nd Quarter of 2014, the County completed the following tasks related to engineering investigations and evaluations.

2.1 COLLECTION SYSTEM

2.1.1 Manhole Inspections

There were no manhole inspections completed during the 2nd Quarter of 2014. Post construction manhole re-inspections were anticipated to begin during the 2nd Quarter of 2014; however work was unable to progress but scheduled to begin during 2014. We note that this is neither a time critical nor consent order effort, but is a necessary work element to update the County Computer Management and Maintenance System (CMMS) system.

2.1.2 Sanitary Sewer Televising

There are approximately 216 miles of sanitary sewer within the SCPS basin (30 miles of District interceptor sewer plus 186 miles of municipal sewer). The County has contracted with a firm (National Water Main Cleaning Co.) to perform closed circuit televising (CCTV) of these sanitary sewers. Televising data was collected electronically in the field using the nationally standardized Pipe Assessment and Certification Program (PACP) and incorporated into the County's data management software.

The SCPS Basin Sewer Televising Inspection Report – Phase III was submitted to the Department on April 29, 2014 and represented the analysis of the remaining sanitary sewers that were not televised during the initial televising of Phase I and II. The goal of the CCTV inspection evaluation is to identify sewers, basins, and areas with the most severe inflow/infiltration and structurally-related deficiencies; and serves as a basis for developing subsequent mainline sewer rehabilitation construction contracts. To date 79% of the 216 miles of sewers have been televised. The remaining 47 miles of sewers have not been inspected due to heavy debris in quantities beyond the scope of the contractual cleaning effort, small diameter pipe inhibiting effective CCTV inspections, lack of easement access to manholes and sewer, and buried manholes. These obstacles are primarily maintenance related and will be addressed through the District-wide Capacity, Management, Operations, and Maintenance (CMOM) program currently under development. It is anticipated that another 10-15% of the sewers will be inspected over the next five years and the remaining sewers thereafter.

2.1.3 Dye Testing

There was no dye testing performed during the 2nd Quarter of 2014.

2.2 WATER POLLUTION CONTROL PLANT

During the 2nd Quarter of 2014, the Consultant Team continued with progression of final design on the solids handling upgrades. The County submitted a letter dated May 15, 2014 to the NYSDEC, requesting a change in approach to the solids handling design. The original basis of design for solids handling improvements was presented in the "Water Pollution Control Plant and Sauquoit Creek Pump Station Evaluation," approved by the NYSDEC in November 2012. This 2012 evaluation recommended refurbishment of the existing fluidized bed incinerators based on a 20-year planning period. Subsequent to submission of the 2012 evaluation, the County and Consultant team reviewed the solids handling basis of design and determined anaerobic digesters would be more economically favorable to the County, and a more sustainable design approach overall as compared to incineration. The NYSDEC approved the anaerobic digester concept in a letter dated May 30, 2014.

During the 2nd Quarter of 2014, the solids handling design was advanced to approximately 50% completion. The major components of the design include:

- Replacement of existing waste activated and return activated sludge pumps
- Refurbishment of all four (4) gravity thickeners. The thickeners, which currently thicken mixed primary and waste activated sludge, will be reconfigured. Two (2) thickeners will be dedicated to primary sludge only. Two (2) new gravity belt thickeners will be installed for waste activated sludge thickening

only. The remaining two (2) existing gravity thickeners will be converted to sludge blend tanks, for combining thickened primary and waste activated sludges.

- Two (2) new egg-shaped primary digesters. Egg shaped tanks were chosen due to efficiency and improved O&M (less cleaning and grit accumulation) than traditional tanks.
- One (1) new secondary digester with a gas holding cover.
- A new standby post-lime stabilization system as backup to the anaerobic digesters
- Two (2) new belt filter presses and reconfiguration of two (2) existing belt filter presses
- Refurbishment of the two (2) existing in-service fluidized bed incinerators. The incinerators will be refurbished only to the extent necessary to comply with new federal sewage sludge incinerator (SSI) regulations (40 CFR Part 60, Subpart M). The incinerators will not be upgraded for long-term operations, as anaerobic digesters will eventually replace the incinerators. The County understands that the incinerator upgrades are required to be fully operational by March 2016 per the SSI regulations. It is likely that the digesters would not be operational by that time; which dictates the need to upgrade the incinerators.

Additionally during the 2nd Quarter of 2014, the Consultant Team kicked off the preliminary design for the expansion of the screenings, grit, primary clarifiers and disinfection facilities at the WPCP to accept additional flows and loads resulting from SSO mitigation in the Sauquoit Creek Pump Station basin, as well as ongoing CSO mitigation in the City of Utica. These upgrades will also address “physical condition” improvements, not related to SSO and CSO mitigation, to maintain the integrity of the existing facilities and process equipment, such as electrical, HVAC, structural, and hydraulic infrastructure. During the 2nd quarter of 2014, the preliminary design for screenings, grit removal, primary clarification, and disinfection were advanced to approximately 10% completion. The design is expected to be approximately 30% complete by the 1st Quarter of 2015.

Three (3) progress meetings were held with the County, WPCP operations staff, and Consultant Team members to discuss final design elements as they relate to plant operations, and to provide a status update on the project. WPCP operations staff confirmed preference on several new process equipment options presented by the Consultant Team.

The County and Consultant Team are working with the NYSDEC to schedule a progress meeting early in the 3rd Quarter of 2014. At this meeting, preliminary drawings will be reviewed along with the overall approach to upgrades at the WPCP site and compliance with regulatory requirements. The project schedule will also be reviewed.

2.3 SAUQUOIT CREEK PUMP STATION/FORCE MAIN

During the 2nd Quarter of 2014, the Consultant Team continued with final design on the pump station and force main upgrades. 60% design drawings were provided to the County for review.

The major components of the design include:

- Replacement of the existing pump station mechanical screen with two new redundant screens housed in a new screen building. Two screenings washer/ compactors will be provided and a screenings conveyor system will carry screenings to a dumpster area.
- Replacement of the existing standby generator with a new outdoor standby generator capable of operating the station to pump peak flow during a power outage.
- Upgrades to the existing pump station electrical and HVAC systems.
- New 48-inch forcemain, parallel to the existing forcemain, from the pump station to the WPCP.
- New flow metering and flow control vaults are being provided along the forcemain route.
- New split flow distribution structure at the WPCP to be used to distribute 5 mgd of flow directly to the WPCP aeration tanks.

Progress meetings were held in conjunction with the solids handling design meetings with the County, SCPS operations staff, and Consultant Team members to discuss design elements of the pump station upgrades and

new forcemain and to provide a status update on the project. NYSDEC Joint Application for Permit was received on March 5, 2014, as part of the regulatory approval to advance the geotechnical soil borings along the proposed forcemain route. Soil borings were advanced during the 2nd Quarter.

3.0 MANAGEMENT PROGRAMS

3.1 COMPUTERIZED MANAGEMENT AND MAINTENANCE SYSTEM

The County purchased a Computerized Management and Maintenance System (CMMS) software system (Lucity – formerly GBA Master Series) in 2009. This software is used to manage the sewer system data (mapping, inspections, etc.) obtained to date by the County. At the same time that the software was acquired, the County invested in computer hardware upgrades to support the CMMS. The County's GIS Coordinator manages the system.

The County continues to utilize the CMMS for tracking and documenting sewer rehabilitation work, and uploading and managing new PACP data provided by the County's CCTV and sewer rehabilitation contractors on a regular basis.

3.2 FLOW MONITORING PROGRAM

The County worked closely with DASNY to secure the \$950,000 EDAP funding allocation that will support the extensive flow monitoring program proposed by the County and approved by NYSDEC on August 24, 2012. The process for acquiring this funding was very tedious but progressed through the various review processes within the State government in Albany. In the absence of the EDAP funding, the County made the decision in September 2013 to proceed with the finalization of bidding documents for the procurement of the flow monitoring equipment using various sources of interim borrowing within the Oneida County Sewer District operating budget.

Funding was allocated in March 2014 and bidding documents for procurement of the flow monitoring equipment were advertised on June 9, 2014. Contracts are expected to be awarded and meters to be installed by the end of 3rd Quarter 2014.

3.3 PRIVATE PROPERTY I/I REDUCTION PROGRAM

The document titled "Preliminary Planning Document – Private Property Inflow and Infiltration Reduction Program" was submitted to NYSDEC on June 29, 2012 as required by Schedule A - Section B.2 of the Consent Order. The County, working through the Steering Committee, created a working group of appropriate PPII-oriented community representatives to map out a phased implementation plan.

Further development was made in this quarter with the community education program. The goal is to provide understanding to residents and businesses of the necessity of private property I/I reduction, increase receptiveness to voluntary participation in home inspections and provide residents with the information and resources to make their I/I improvements. In addition to the 2013 launch of the Operation Ripple Effect™ website www.RippleEffectOCSD.org, during the 2nd Quarter 2014, links were added to aid homeowners in the disconnection of rain leaders, planting a rain garden and installing a rain barrel. Printed material was made available to the municipalities for distribution. Example materials are included in Appendix A.

In order to document neighborhoods where illicit private property connections are suspected to exist, two member municipalities began data collection using a voluntary informational survey which was distributed to residents in select neighborhoods with known I/I issues, filled out and mailed back to the municipality. An online version was also made available. The next step in information gathering will come from a residential inspection program that the working group is currently developing. An inspector from each municipality will perform voluntary home inspections to collect information on sump, roof, and yard drainage connections within pilot project neighborhoods. The data will then be entered into the CMMS and mapped. The goal is to identify problem areas and develop PPII reduction projects within each municipality on a neighborhood by neighborhood basis. By completing small pilot projects successfully, the working group aims to show the effectiveness of voluntary participation in addressing PPII issues.

3.4 CAPACITY, MANAGEMENT, OPERATIONS AND MAINTENANCE PROGRAM

The document titled “Preliminary Planning Document – Proposed CMOM Framework – Sauquoit Creek Pumping Station Basin Communities” was submitted to NYSDEC on June 29, 2012 as required by Schedule A – Section B.3 of the Consent Order. The County, working through the Steering Committee, created a working group of appropriate CMOM-oriented community representatives to map out a phased implementation plan.

During the 2nd Quarter, progress was made in the development of the Fats, Oils, and Grease (FOG) program. The main efforts of the working group this quarter have been on educational materials. A draft website for the FOG program is being developed for use by residential and food service establishment users. Finalized materials will be included in a future progress report. The working group is also developing an inspection protocol and best management practices for food service establishments and identifying areas where blockages are a common problem in order to target educational and inspection efforts.

4.0 SCHEDULE/MILESTONE DATES

4.1 APPROVED SCHEDULE

The following table represents the approved schedule as defined by the Consent Order (note that there were no changes to this schedule during the 2nd Quarter of 2014):

Description	Consent Order, Schedule “A” Date
<u>Engineering Investigations and Evaluations</u>	
Dye Testing and Storm Sewer Report	June 30, 2012
Manhole Evaluation Report – Phase II	June 30, 2012
SCPS Evaluation Report	August 31, 2012
WPCP Evaluation Report	August 31, 2012
Treatment System Supplement (Report)	60 days after approval of WPCP Evaluation Report
Sewer CCTV Inspection Report – Phase II	April 30, 2013
Sewer CCTV Inspection Report – Phase III	April 30, 2014
Collection System Supplement (Report)	May 31, 2014 (*extension granted)
<u>Management Programs</u>	
Flow Monitoring Program	March 31, 2012
Private Property I/I Reduction Program	June 30, 2012
CMOM Program	June 30, 2012
PPII Reduction Program Implementation	May 31, 2013
CMOM Implementation	May 31, 2013
Asset Management Plan	December 31, 2021
<u>Remedial Measures</u>	
Semi-Permanent Alternative-Construction	December 31, 2016
SSO Mitigation-Consent Order Compliance	December 31, 2021
<u>Reporting</u>	
Annual Work Plan	January 31, annually
Quarterly Progress Report	Quarterly

*see extension approval letter included in Appendix B.

4.2 MILESTONES

During the 2nd Quarter of 2014, the following milestone dates were met:

- The Sewer CCTV Inspection Report – Phase III was submitted on April 29, 2014 in accordance with the above schedule.
- The Collection System Supplement (Report) due date was extended and was submitted on July 1, 2014.

5.0 SEWER REHABILITATION

Design and construction for initial projects is being financed under CWSRF Project No. C6-6070-08-00. Projects are tracked by contract number. The following is a status update of the current sewer rehabilitation contracts.

5.1 CONTRACT 2 – SANITARY SEWER MANHOLE REHABILITATION – PHASE 2

Contract 2 rehabilitated approximately 1,278 sanitary sewer manholes. Project complete.

5.2 CONTRACT 3 – SANITARY SEWER MAINLINE REHABILITATION – PHASE 1

Contract 3 rehabilitated approximately 13 miles of sanitary sewers. Project complete.

5.3 CONTRACT 4 – SEWER SEPARATION – CLINTON/HENDERSON STREET, NY MILLS

Contract 4 resulted in the removal of approximately 264,000 gallons per day (measured) of wet weather flow from the sanitary sewer system. Project complete.

5.4 CONTRACT 5 – SEWER REPAIRS AND REHABILITATION – PHASE 1

Work under Contract 5 generally includes storm sewer and sanitary sewer repairs for the purpose of removing inflow (both direct and indirect) sources from the sanitary sewer system in locations determined from the results of prior dye testing. This includes repairs at approximately 15 separate locations all within the Villages of Yorkville, Whitesboro, New York Mills, and New Hartford. Work also includes the replacement of four sanitary sewer manholes and the lining of four pipe segments utilizing an ultra-violet light cured-in-place pipe (UV-CIPP) process. During the 2nd quarter of 2014, work at all 15 repair sites was completed. In addition, preparatory work was conducted at the four sites to receive UV-CIPP in anticipation of completing the lining work during the 3rd quarter of 2014.

5.5 CONTRACT 6 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 2

The work under Contract 6, awarded to Green Mountain Pipeline Services, Inc. (GMPS) includes approximately 15 miles of sewer rehabilitation using cured in place pipe (CIPP) lining, open cut repairs, sewer joint grouting, CIPP short liners, and lateral grouting.

In addition to the work referenced above, GMPS' bid also included comprehensive sewer rehabilitation in flow basin NHD-22 at an estimated cost of \$248,152 which the Town of New Hartford has agreed to contract and pay for.

Similarly, GMPS' bid included 3,500 feet of 18-inch and 24-inch CIPP lining for the City of Utica in order to structurally rehabilitate a sanitary sewer under Genesee Street at an estimated cost of \$498,733. Utica will contract directly with the Contractor for this work.

During the 2nd quarter of 2014, Approximately 2 miles of CIPP lining and associated work was completed, approximately 340 lineal feet of CIPP short liners were installed, approximately 260 lateral connections were sealed, and preparatory cleaning and televising was completed on the larger diameter sewer in Genesee Street in Utica. Work on this Contract is expected to continue and be completed during the 3rd Quarter 2014.

5.6 CONTRACT 7 - SANITARY SEWER MAINLINE REHABILITATION – PHASE 3

Contract 7 is similar in scope to Contracts 3 and 6. Contract 7 will consist of CIPP lining, pipe grouting, lateral grouting, lateral lining, and spot repairs in selected areas. Contract 7 work will be conducted in two areas in the Town of Whitestown. The plan calls for approximately 5.4 miles of pipe to be rehabilitated in the Glen Haven area, also known as portion of sewer sheds HHI-1 and WHN-31. In addition, approximately 3.0 miles of pipe will be rehabilitated in the sewer shed known as WHN-33, which is the area westerly of the Whitesboro Parkway School, and southerly of Clinton Street. Project bids were received on May 8, 2014 and the contract was awarded to GMPS. Construction is expected to begin in 3rd Quarter 2014.

6.0 ASSESSMENT OF REHABILITATION EFFECTIVENESS

During the 2nd Quarter of 2014, there was no physical measurement mechanism (flow monitoring) in place to measure the effectiveness of sewer rehabilitation. See Section 3.2, above for a discussion of the status of flow monitoring. However, visual observations of the construction activities associated with Construction Contracts 2, 3, 4, 5, and 6 note obvious removals of I/I sources. Based on the completed work, and using estimated values of I/I removals provided in the Offset Plan and/or the approved Basis of Design engineering reports for the respective projects for Contracts 2, 3, 4, 5, and 6, the reductions in I/I are estimated to be:

Contract 2 – Sanitary Sewer Manhole Rehabilitation, Phase 2	5,411,910 gpd
Contract 3 – Sanitary Sewer Mainline Rehabilitation, Phase 1	1,503,360 gpd
Contract 4 – Sewer Separation – Clinton/Henderson St (NY Mills)	264,000 gpd
Contract 5 – Sewer Repairs and Rehabilitation (partially complete)	28,800 gpd (upon completion)
Contract 6 – Sanitary Sewer Mainline Rehabilitation Phase II (partially complete)	1,130,000 gpd (upon completion)
Contract 7 – Sanitary Sewer Mainline Rehabilitation Phase III (commencing 3 rd Quarter)	630,000 gpd (upon completion)

7.0 COMPLETED CAPITAL PROJECTS/FACILITY UPGRADES

Specific capital projects/facility upgrades were not completed in the 2nd Quarter of 2014.

8.0 I/I OFFSET PROJECTS/NEW FLOWS

During the 2nd Quarter of 2014, the following additions and subtractions to the I/I Offset Credit Bank were recorded by the County. All amounts are reported in gallons per day (gpd), after the application of the 5:1 offset ratio.

Community	Starting Balance	Credits Added	Location	Credits Used	Ending Balance
Town of New Hartford	11,030	514,080	Rehabilitation- Contracts 2, 3, & 4		
			55 Norma Dr. (#9-Applewood)	320	
			300 Gracie Pl. (#44-Applewood)	320	
			39 Overland Dr. (Cherrywood)	320	522,805
			96 Chestnut Pl. (339.012-1-40)	320	
			3843 Snowden Hill Rd. (339.000-2-21.10)	320	
			Chestnut Rd. Lot #1	320	
			Armstrong, Mohawk St. (350.000-3-29.5)	385	
Town of Paris	1,927	94,752	Rehabilitation- Contracts 2, 3, & 4	0	96,679
Town of Whitestown	4,217	131,818	Rehabilitation- Contracts 2, 3, & 4	0	136,035
Village of Clayville	0	28,829	Rehabilitation- Contracts 2, 3, & 4	0	28,829
Village of New Hartford	17,434	43,076	Rehabilitation- Contracts 2, 3, & 4	0	60,510
Village of New York Mills	9,426*	157,142	Rehabilitation- Contracts 2, 3, & 4	0	219,308
Village of Oriskany	1,243	101,117	Rehabilitation- Contracts 2, 3, & 4	0	102,360
Village of Whitesboro	16,345	145,238	Rehabilitation- Contracts 2, 3, & 4	0	161,583
Village of Yorkville	316	152,064	Rehabilitation- Contracts 2, 3, & 4	0	152,380
Totals	114,678	1,368,116		2,305	1,480,489

*The starting balance for New York Mills (V) has been amended from 1Q 2014. The difference is reflected in the credit added for 2Q 2014 as part of the Rehabilitation Work for Contracts 2, 3, and 4.

9.0 KEY PERSONNEL CHANGES

Key personnel changes, as they relate to the SSO Mitigation/Consent Order compliance project, is interpreted to be those staff members, whose addition to or deletion from the project would be viewed by the County to either add resources, or be a detriment to progress. Project staff includes County, satellite community, and consultant team personnel. The following is a summary of changes.

9.1 COUNTY STAFF

During the 2nd Quarter of 2014, there were no changes of key personnel to report.

9.2 SATELLITE COMMUNITY STAFF

During the 2nd Quarter of 2014, there were no changes of key personnel to report.

9.3 CONSULTANT TEAM STAFF

During the 2nd Quarter of 2014, there were no changes of key personnel to report.

10.0 ADMINISTRATIVE ITEMS

10.1 WORK AUTHORIZATIONS

During the 2nd Quarter of 2014, Work Order 25.1 – Sewer Rehabilitation FY 2014 Engineering Services was submitted to the County.

10.2 PROJECT FINANCING

The following is a current Project Listing and Update System (PLUS) from the CWSRF Intended Use Plan (IUP) for Oneida County:

CWSRF PROJECT #	PROJECT NAME	TOTAL IUP AMOUNT
C6-6070-08-00	I/I CORR [9 CONTRIBUTING COMMUNITIES] Phase 1 and 2a	\$25.8 million
C6-6070-08-01	I/I CORR [SSO - 9 Contributing Communities] Phase 2b-3	\$60 million
C6-6070-08-02	FM, PS REHAB [DESIGN AND PERMITTING PHASE] Phase 5a	\$3 million
C6-6070-08-03	I/I CORR [SSO] Phase 4	\$9.52 million
C6-6070-08-04	Wastewater Improvements [CONSTRUCTION PHASE] Phases 5b and 6c	\$91.8 million
C6-6070-08-05	STP UP (Phases 6a and 6d)	\$94.6 million
C6-6070-08-06	STP UP [SOLIDS HANDLING SYSTEMS DESIGN AND CONSTRUCTION]	\$35 million
C6-6070-09-00	INT, SEW REPL [NANOTECHNOLOGY DEVELOPMENT]	\$12 million

10.2.1 Pending Application: Construction of the Sauquoit Creek Pump Station and New Forcemain and WPCP Solids Handling Upgrades (CWSRF No. C6-6070-08-04)-\$92 Million

Oneida County is anticipating submission of an application for Phase 5b in the construction of upgrades to the Sauquoit Creek Pumping Station and second forcemain in the 3rd Quarter 2014. Work is a required element of a SSO mitigation program. The funding will also be necessary for construction of Phase 6c which is additional solids handling upgrades (anaerobic digestion) at the Water Pollution Control Plant.

***Appendix A:
Private Property
Inflow/Infiltration
Reduction Program
Educational Materials***

So what's the problem?

Most of the time our sanitary sewer system works very efficiently. But, during heavy rainfalls and substantial snowmelts, we encounter a big problem: excess water overloads our waste treatment facility, causing sewage to overflow into the Mohawk River.

As much as 50% of the water that contributes to overflows comes from private properties during wet weather events. Water enters our sewers in a number of ways, including improper system connections, such as:

- Roof leaders
- Driveway and foundation drains
- Sump pumps

In addition, cracks and aging sewer pipes, such as the lateral line running from your home to the main line under the street, can let in unwanted water. This is called **inflow and infiltration (I/I)**.

Contamination of the Mohawk River, damages the natural ecosystem and limits the ability of our future generations to enjoy the resource that helped develop the Mohawk Valley.

Together, we can **Reroute, Reclaim and Recharge™** to help reduce the amount of sanitary sewer overflows into the Mohawk River.



For more detailed instructions and special considerations on any or all of these solutions, or for further information in general, please visit: www.rippleeffectocsd.org

Reroute Reclaim Recharge™

Reroute — By redirecting stormwater runoff, we can help prevent overflows from local sewage drains and pipes that currently contribute to contaminating the Mohawk River.

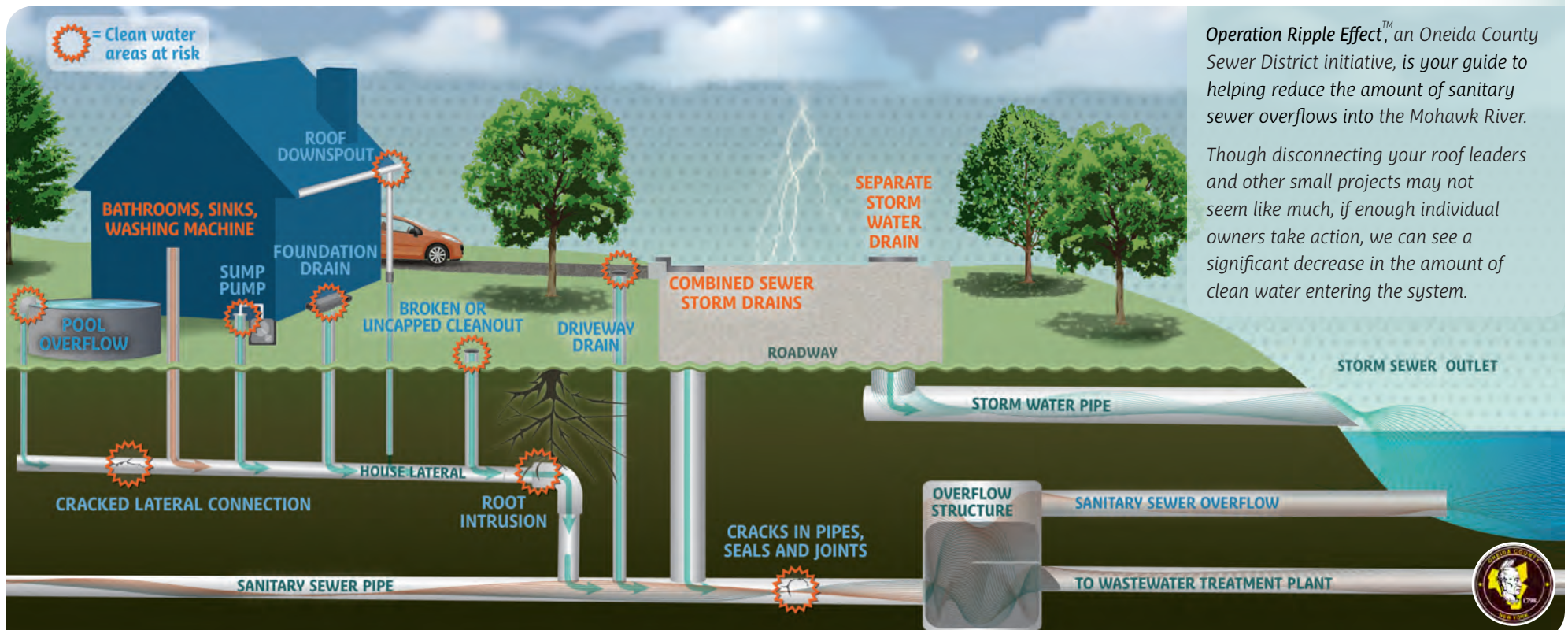
Reclaim — If we can collect stormwater or drain it into our gardens or lawns, it will help keep excess runoff to a minimum, while benefitting community properties.

Recharge — Returning water to the ground will help restore our local aquifers. This aids in sustaining and benefitting the area's ecosystem.

What can I do?

Operation Ripple Effect™, an Oneida County Sewer District initiative, is your guide to helping reduce the amount of sanitary sewer overflows into the Mohawk River.

Though disconnecting your roof leaders and other small projects may not seem like much, if enough individual owners take action, we can see a significant decrease in the amount of clean water entering the system.



Potential Sources of Clean Water Getting into the Sanitary Sewer System

A Private Property I/I Initiative of the Oneida County Sewer District.



Reroute

Disconnect roof leaders.

Disconnect your roof leader from the sanitary sewer system to help reduce overflows.



Reclaim

Install a rain barrel.

Capture the water that used to drain into the sewer system from your roof leader by using a rain barrel. Use that water for your lawn, garden, to wash your car, and more.



Recharge

Support your rain garden.

Conserve water and reduce runoff by letting that extra water maintain a beautiful rain garden. Best of all, you won't have to remember to water it!

Please visit: www.rippleeffectocsd.org
for more details and resources.

Reroute Reclaim Recharge™

www.rippleeffectocsd.org



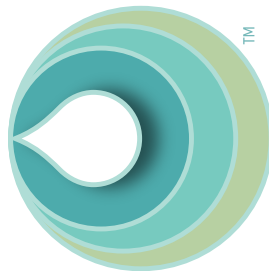
A Private Property I/I Initiative of the Oneida County Sewer District.



ONEIDA COUNTY WATER
QUALITY AND WATER
POLLUTION CONTROL
P.O. BOX 442
UTICA, NEW YORK
13503-0442



ONEIDA COUNTY INTRODUCES



OPERATION
Ripple Effect™

Reroute Reclaim Recharge™

A Private
Property I/I
Initiative of
the Oneida
County
Sewer
District.



Help reduce sewer overflows into the Mohawk River.

THREE SIMPLE WAYS YOU CAN HELP KEEP THE MOHAWK RIVER CLEAN...



Most of the time our sanitary sewer system works very efficiently. But during heavy rainfalls and substantial snowmelts, we encounter a big problem: excess water overloads our system, causing sewage to overflow into the Mohawk River

As much as 50% of the water that contributes to overflows comes from private properties during wet weather events. Water enters our sewers in a number of ways, including improper system connections, such as: roof leaders, driveway and foundation drains, and sump pumps.

In addition, cracked and aging sewer pipes, such as the lateral line running from your home to the main line under the street, can let in unwanted water. This is called inflow and infiltration (I/I).

Contamination of the Mohawk River damages the natural ecosystem and limits the ability of our future generations to enjoy the resource that helped develop the Mohawk Valley.

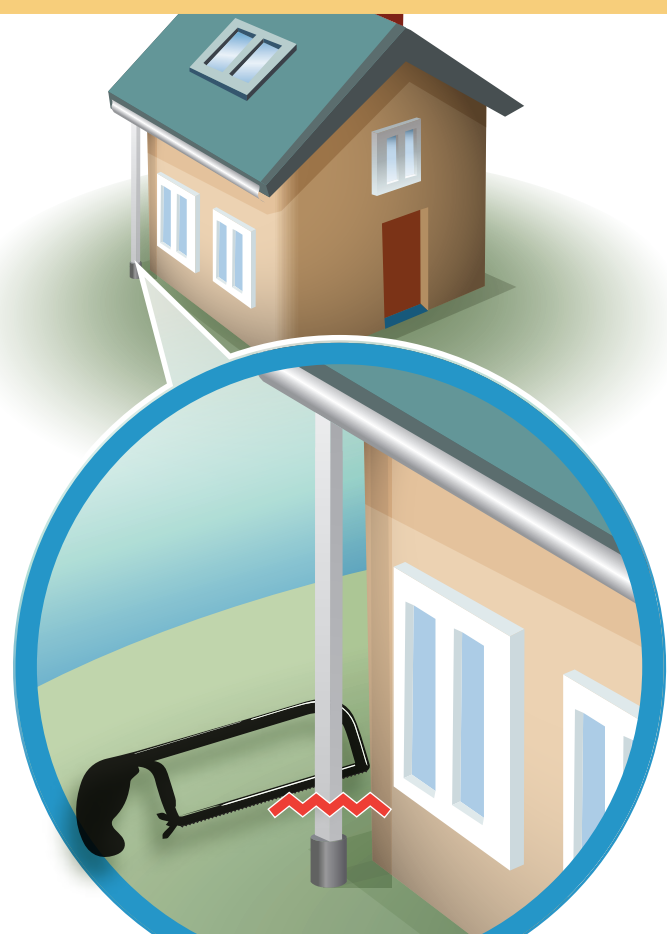
Together, we can work to Reroute, Reclaim, and Recharge™, helping to minimize sanitary sewer overflows that enter the Mohawk River.

Reroute ... Reclaim ... Recharge™

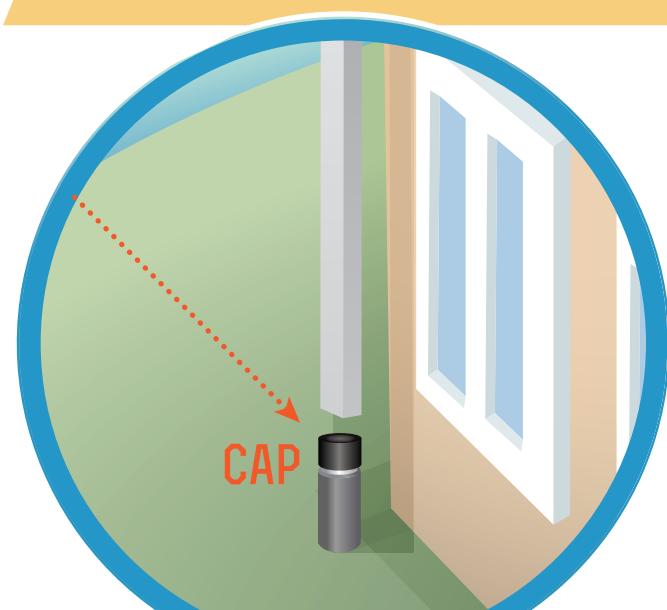
1 DISCONNECT ROOF LEADERS

By following these simple steps to disconnect your roof leader, you can help keep clean water out of the system.

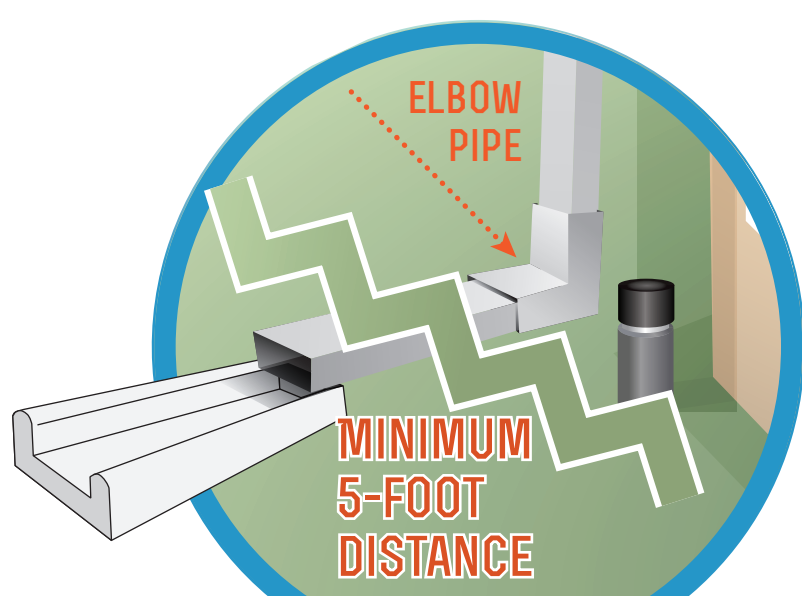
HACKSAW CONNECTED ROOF LEADER, ABOUT 9-INCHES ABOVE SEWER STANDPIPE



CAP STANDPIPE TO KEEP ADDITIONAL RUNOFF STORM WATER FROM ENTERING SEWERS



SECURELY FIT & ATTACH ELBOW PIPE TO CUT ROOF LEADER.



ADD EXTENSION, DIRECTING PIPE AT LEAST 5 FEET FROM HOUSE.

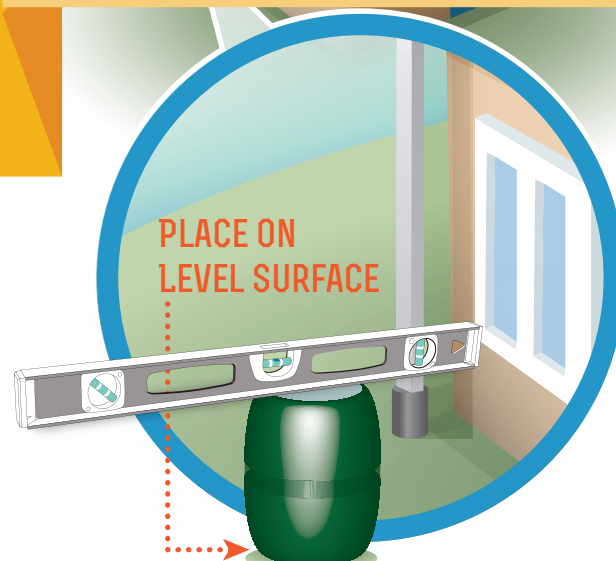
A SPLASH BLOCK CAN HELP DIRECT WATER AWAY FROM HOUSE

2 INSTALL A RAIN BARREL

Capture the water that used to drain into the sewer system from your roof leader by using a rain barrel. Here are just some of the things you can do with the water from a rain barrel:

- Easily fill watering cans
- Water gardens, lawns and hanging plants
- Wash cars or pets
- Connect a soaker hose to automatically empty the barrel

POSITION YOUR BARREL DIRECTLY UNDER OR NEAR A DOWNSPOUT. MAKE SURE IT IS LEVEL.



USING A HACKSAW, CUT YOUR DOWNSPOUT.



IF NEEDED, ADD A DIVERTER TO DIRECT THE DOWNSPOUT TO THE SCREENED OPENING ON TOP OF THE BARREL.

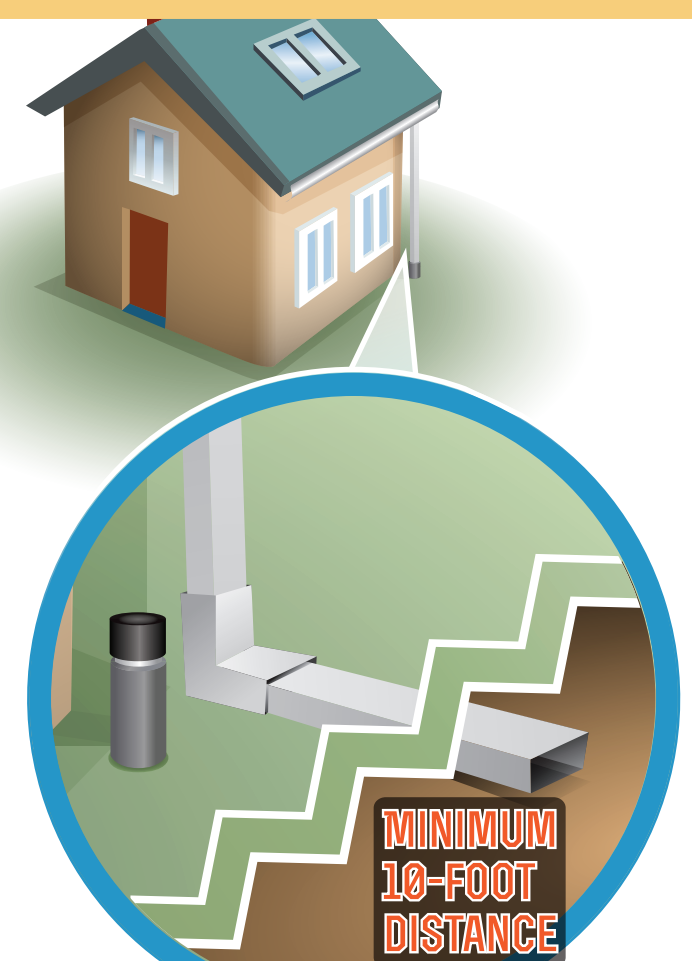


YOU ARE NOW READY TO BENEFIT FROM YOUR RAIN BARREL. WHENEVER IT RAINS, ANY WATER FROM YOUR ROOFTOP WILL COLLECT INTO THE BARREL.

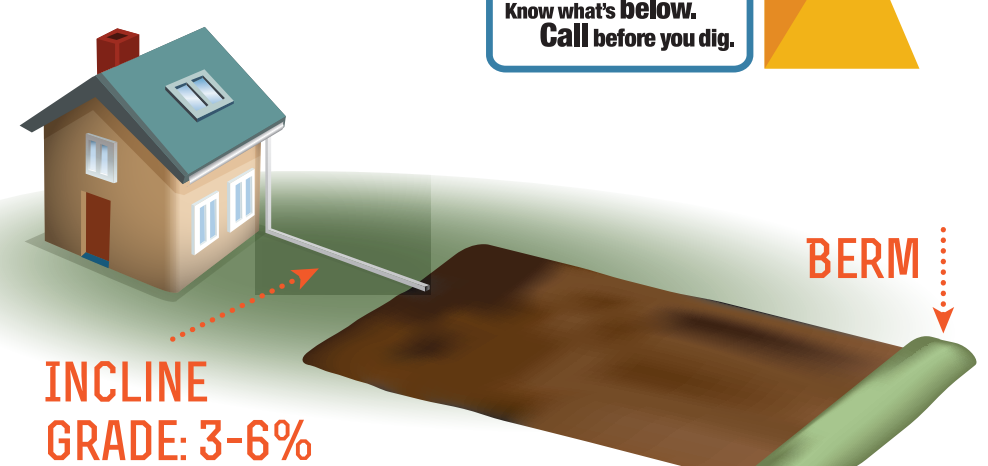
3 SUPPORT YOUR RAIN GARDEN

Conserve water and reduce runoff by letting that extra water maintain a beautiful rain garden. Best of all, you won't have to remember to water it!

GARDEN LOCATION: MIN. 10 FEET FROM HOME'S FOUNDATION

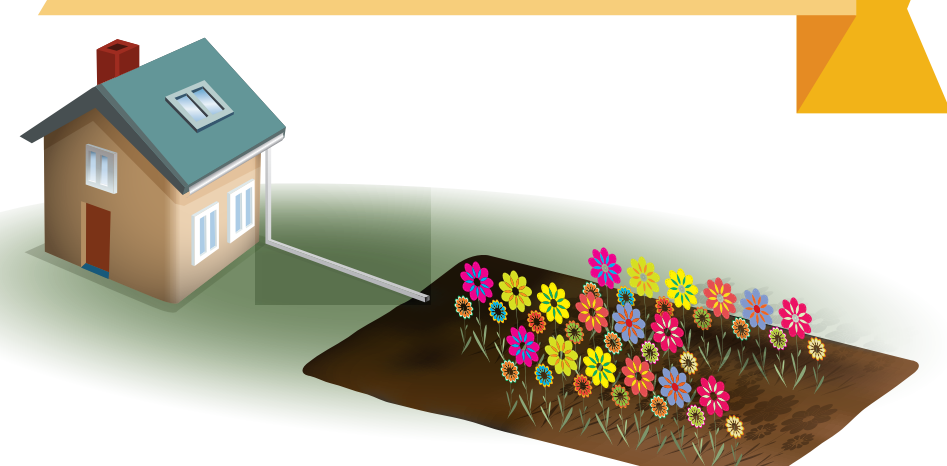


ALWAYS CHECK FOR GAS & ELECTRIC LINES BEFORE DIGGING



USE STRING & STAKES TO MARK BOUNDARIES WHEN BUILDING. FORM A BERM AT LOWER END TO PREVENT RUNOFF

SIZE: ROUGHLY 100-300 SQ. FT. TWICE AS LONG AS WIDTH



CHOOSE NATIVE PLANTS IN VARIETY OF HEIGHTS & COLORS. AIM FOR THREE SEASONS OF BLOOMS IN GARDEN

Water your garden every other day for two weeks to help plants become established. After that, your garden should be self sustaining.

***Appendix B:
NYSDEC Approval Letter,
Extension on May 2014
Deliverable***

New York State Department of Environmental Conservation

Office of General Counsel, 14th Floor

625 Broadway, Albany, New York 12233-1500

Fax: (518) 402-9018

Website: www.dec.ny.gov



Joe Martens
Commissioner

June 5, 2014

VIA PDF AND REGULAR MAIL

Peter M. Rayhill, Esq.
County Attorney
Oneida County Office Bldg.
800 Park Avenue
Utica, NY 13501

Re: **Consent Order #R620060823-67**

Dear Mr. Rayhill:

I am in receipt of your May 27, 2014 letter to my attention regarding an extension to a deadline under the above-referenced Order on Consent (Order). Specifically, your letter requests a thirty (30) day extension to the milestone for submission of the Collection System Supplement to the SSO Mitigation Plan (Plan Supplement), required by Schedule A, Section A.7 of the Order. The Order currently requires that milestone to be met no later than May 31, 2014.

Based on the representations in the May 27th letter, particularly your assertion that this extension will have no effect on the end date of the work required by the Order, the Department hereby grants your extension request. The new milestone for submitting the Plan Supplement is now July 1, 2014.

Please let me know if you have any questions regarding this matter. Thank you.

Yours Truly,

Scott Crisafulli, Chief
Bureau of General Enforcement

cc: Anthony J. Picenti, Jr.
Steven P. Devan, P.E.
Karl Schrantz
S. Botsford
S. Mitchell