

Client Newsletter

J&A / AEW / City of Rochester Implements S2/SRF Grants



City sanitary sewer manhole

In 2013, the City obtained an S2 (SRF/SWQIF) Grant from the Michigan Department of Environmental Quality (MDEQ) to identify and eliminate sources of infiltration and inflow (I/I) which included: a condition assessment and structural rating of sanitary sewers and manholes over 40 years old; a closed circuit televising (CCTV) program to identify structural and O&M issues; flow monitoring to identify sources of I/I; and smoke testing to locate non-sewage flow within the system.

The City utilized their consulting engineers, Johnson & Anderson (J&A) and Anderson, Eckstein & Westrick, Inc. (AEW), to manage and oversee the sewer system investigations as well as to perform the analysis and to recommend solution to issues discovered during the investigations.

Based on the investigations, it was determined that 15 manholes and 138 pipe segments had an MACP/PACP structural rating of either 4 or 5 and required prompt attention. In addition, there were approximately 58 pipe segments with an MACP/PACP O&M rating of either 4 or 5. The Project Team reviewed the findings from the investigations and analyzed each manhole segment to determine which method of repair/replacement would be appropriate and most cost effective. Pipe segments and manholes with an MACP/PACP structural rating of either 4 or 5 are required to be addressed by the City and qualify for SRF funding if they are proven to be cost effective to address.

Based on the S2 findings, the City was awarded an SRF loan in 2017 to: perform full length and sectional sanitary sewer lining of approximately 14,000 linear feet of 8-inch to 15-inch diameter pipe; locate and reinstate sewer leads; manhole rehabilitation of 384 manhole structures; and sewer replacement of approximately 1,925 linear feet of sanitary sewer, ranging from 8-inches to 10- inches in diameter. The project was bid and awarded in July and construction will begin in September.

J&A Offers Education on Natural Shoreline Landscapes

Are you interested in offering a Natural Shoreline Landscapes Workshop for your lakefront property owners? If so, J&A can help! We are members of the Shoreline Educator Network (SEN), a statewide exchange of natural resource professionals, equipped with the tools to conduct inland lake natural shoreline programs for property owners. Topics of the workshop can include:

- Healthy Lake Ecosystems
- Planning a Natural Shoreline Landscape
- Plant Selection, Planting Stock & Preparation
- Michigan Rules & Regulations and much more!



For more information, please contact Laura Gruzowski at: (248) 681.7800; lgruzowski@ja-engr.com.

Client Newsletter**City of Flint SAW Grant Implementation Project Highlights**

City storm sewer catch basin

The City of Flint has been awarded a \$2 Million Stormwater, Asset Management, and Wastewater Grant by the Michigan Department of Environmental Quality (MDEQ). J&A has been contracted by the City to provide consulting engineering services for this very important planning project, which consists of: an Asset Inventory of the City's storm and wastewater infrastructure (not to include the Wastewater Treatment Plant assets – these are covered under a separate contract); enhancing the City's GIS mapping system through field inventories and digitization of existing paper records; developing Level of Service Goals; developing asset criticality and a Business Risk Evaluation based on the field inventories; developing

a Capital Improvement Plan (CIP), projected costs, and implementation schedule; assisting the City in reviewing and installing a Computerized Maintenance Management System (CMMS); development of a rate structure to support the CIP program; and development of an Asset Management Plan (AMP).

As a certified Cityworks consultant, J&A will soon be providing Cityworks training to City staff, as well as GIS Software training so that staff can get acclimated and comfortable utilizing the new software in the field.

The AMP is due to the MDEQ by October 1, 2018.

Recently Awarded Projects

- Genesee County – District #3 WWTP As-Needed SCADA Support, Training & Engineering Services
- Muskegon County – Water Asset Management Plan
- West Bloomfield Township – Water Asset Management Plan
- White Lake Township – SAW Grant Implementation
- Waterford Township – SAW Grant Implementation
- Independence Township – Lakeview Cemetery Construction Engineering
- Independence Township – SCADA Data Integration to Cityworks for the SAW Grant Program
- Highland Township – Sanitary Sewer Master Plan
- City of Sterling Heights – GIS Data Collection

Contact us today to find out how we can assist you.

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