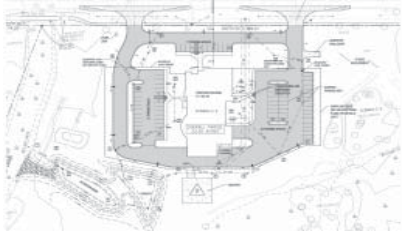


The SDA CONNECTION



Trenton Receives Project Performance Certification

The Ribbon Cutting Ceremony on November 21, 2006 marked the celebrated end of a project that began more than a decade ago. In 1996, SDA was retained by the City of Trenton to perform an Infiltration and Inflow (I/I) Study, a Sewer System Evaluation Survey (SSES), and Hydraulic Modeling. Our Confined Space Entry and HAZWOPER trained crews entered manholes to install flow meters. Meters were strategically placed in sewers to determine normal flow and flow during rain events. Sewers were televised to determine locations of illegal sewer taps, locations of blockages or debris, and locations of I/I. Based upon these studies, the SDA team designed the improvements necessary to eliminate I/I and Sanitary Sewer Overflow. Construction of the first phase of the project began in 1999. The final phase of the project was the construction of the Jefferson Avenue Pump Station which was completed in 2006. The Project Performance Study was completed and submitted to the DEQ. In July of 2007, the Project received its Project Performance Certification from the DEQ. After ten years of work, it was

a day for celebration. Mayor Brown, along with his Engineering and DPW staff, and Dan DiPonio with O'Laughlin Construction Co., Inc., joined the SDA team to celebrate this accomplishment.



City of Trenton
Jefferson Avenue Pump Station
Ribbon Cutting Ceremony

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Industry TIPS

Infiltration and Inflow (I/I) are major causes of capacity issues in community sewer systems. This I/I may cause sewage overflows during significant rain events, cause excessive cost to the community for treatment, and cause sewage backups in basements.

Performing an I/I Study may reveal sources of I/I which may be repaired, designed for re-construction, or re-designed to eliminate infiltration and inflow. Sanitary sewer flow monitors, pump station meters, and rain gauges are some devices used to collect data for I/I Studies.

Spalding DeDecker Associates, Inc. (SDA) has performed I/I Studies, Sewer System Evaluation Surveys, and Hydraulic Modeling to determine the improvements communities can make to improve their Sewer Systems to save communities and taxpayers money.

SDA then works with municipalities to design improvements, coordinate construction of improvements, evaluate the improvements' performance, and obtain SRF low interest loans.



Connections

The City of Trenton, SDA Construction Engineering Department, SDA Survey Department, and many contractors contributed to the successful completion of the elimination of sanitary sewer overflows, infiltration, and inflow within the City's aging infrastructure. The City developed an in-house program for the design, construction administration, and inspection of the manhole rehabilitation, sewer rehabilitation and sewer separation programs. The City also initiated a downspout disconnection program for its residents in an effort to reduce the amount of inflow entering the sewer system.

Team member SDA complemented the City's program with design, survey, construction administration, inspection, and construction layout of the improvements.

The combination of the programs allowed for the transport, storage, and treatment of wet weather flows up to and including flows from a 100 year-24 hour design rain event.



APWA Award

The Downriver Branch of the American Public Works Association presented the City of Trenton and Spalding DeDecker Associates, Inc. with the Project of the Year 2007/08 award. The selection criteria was based upon unusual accomplishments, innovative techniques, exceptional effort and/or time, and money saving techniques developed or utilized in the project, as well as good management techniques and overall project accomplishments.



Teaming Up! — The Trenton Team

Establishing and maintaining a strong team with the City of Trenton has proven to be a cost effective solution for the City and has further promoted a long term relationship for SDA.

When it was time for SDA to perform construction observation for the new Jefferson Avenue Pump Station, SDA suggested that the City use their personnel. The City's construction observation staff was underutilized at the time. By using City staff, the City Engineering Department was able to more closely reach their manhour capacity. This allowed the City to save some money and keep their staff busy, killing two birds with one stone.



No U in Spalding

There is no "u" in Spalding. When emails are not received, the first question to the sender is, "Did you spell Spalding with a u?" Thanks to our IT Department, we have the new domain name [sda-eng.com](http://www.sda-eng.com). It is easier to relay over the phone and quicker to type the email address. SDA will still maintain www.spaldingdedecker.com, so your address books and your favorites do not need to change.

Check out our new video, "The SDA Story."

go to http://www.sda-eng.com/about_us/Index.html and pick

2007 employee video



New Projects

Washtenaw County Road Commission
Carpenter Road Reconstruction Contractor
Staking

Severstal Construction Layout and
Monitoring

Renewed Municipal Engineering Contracts

City of Troy Construction Engineering for
Stephenson Highway

City of Troy Major Intersection Improvements

Livonia 16th District Courthouse Site Design

Macomb County North Gratiot Interceptor
Phase 3 & Phase 4

New Faces

Ted Meadows, Construction Manager

Phil Loud, PE, Brighton Office Manager

Joe Muller, PE, National Land Development
Program and Pavement Management

The Cutting-Edge



KILBOURNE NAMED YOUNG ENGINEER OF THE YEAR

Beth Kilbourne, PE was named “Young Engineer of the Year” by the Committee for Younger Members of ASCE’s Southeastern Branch. Beth received her award on May 5th at the ASCE Annual Meeting. Kilbourne also recently passed the PE exam.

SDA OWNER’S MANUAL UNVEILED

With the help of Strategic Planning teams and in-depth discussions of The Power of Full Engagement, by Jim Loehr and Tony Schwartz, SDA has developed an Owner’s Manual. This Manual is a guide to remind SDA Owners of the culture and conduct that has made SDA a great company and will continue to make SDA a great company. The manual contains four engagement areas; Emotional, Spiritual, Physical, and Mental.

Here is a glimpse of Emotional Engagement. “Words can be empowering or demoralizing. I will encourage others by engaging in positive dialogue that supports the dreams, accomplishments, and goals of SDA and our clients.”

More to come in our next issue.

Community Matters

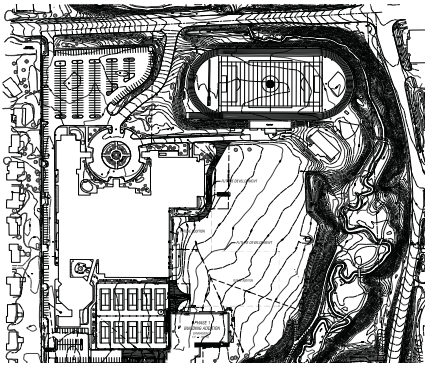
SDA employees and their families participated in two River Day clean-ups in 2007; Rouge River Rescue and Clinton River.

On June 2, the SDA team joined the City of Troy environmental engineering staff to stabilize around 500 feet of stream bank along the open water course adjacent to the north side of the Troy Recreation Center. City workers previously removed the invasive species that had taken over the stream bank and reshaped the ground to accept the new vegetation. The team then spread a top soil and mulch mixture over the entire area, added seed and pin mulch blankets, and planted additional vegetation to help stabilization.

On June 9, the SDA team joined a crew from Clinton Township Department of Public Works

to help restore and clean trails in Canal Park. The team divided into two groups. One group spread wood chips and cleaned up trash along the trails, while the other group was assigned log jam removal.





**Spalding DeDecker
Associates, Inc.**

Engineering Consultants
Infrastructure • Land Development • Surveying

Contact Information

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We're on the web at www.sda-eng.com

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Supervisory Control and Data Acquisition (SCADA)

Spalding DeDecker Associates, Inc. (SDA) now offers Supervisory Control and Data Acquisition (SCADA) design and implementation.

SCADA is a process in which data is acquired, stored, analyzed, transmitted, and used to monitor and/or control a mechanical system, either automatically or manually.

A simple analogy would be GM's OnStar. If a crash occurs and the vehicle airbag is deployed (data acquisition), a signal is sent to OnStar (output), which initiates a phone call to the vehicle (monitor).

A SCADA system is set up with the end-user in mind. Prior to designing a system, the designer interviews the end-user to determine what is absolutely necessary for the system to work properly and what is desired if the budget allows.

A SCADA system interacts with local programmable devices to display information in a user-friendly, graphical format at a remote computer. SCADA systems allow a user to easily monitor field processes. They also provide a user with the ability to control the machine or process remotely. In other words, peak water consumption in a system can be monitored. Pumps can be turned on automatically based upon criteria created by the user.



Pump efficiency can be tracked. Failures in systems can alert the supervisor in charge via beepers or text messages to phones.

SCADA technology has been evolving for decades. SCADA systems are currently employed in public utility, automotive, manufacturing, petrochemical, pharmaceutical, and food processing industries.

For more information, please call Andy Keller at (800)598-1600.