

DISCOVER

THE PEOPLE, PROJECTS & INVOLVEMENTS OF



Meurer
& ASSOCIATES, INC.

February 2007

Belleview Water & Sewer Line Improvements

Meurer & Associates is completing work on a water and sewer line improvement project for Willowbrook Water and Sanitation District in conjunction with a large scale roadway improvement project by Jefferson County. The roadway improvements involved widening and re-grading Belleview Avenue between Alkire Street and Quincy Avenue, relocating Quincy Avenue, and installing a roundabout at the intersection of Belleview Avenue and Eldridge Avenue. The road improvements required the District to relocate a 16-inch water line in Belleview Avenue and also accelerate the District's Master Plan to construct Conduit 129, a 30-inch Denver Water extension from Alkire Avenue to Quincy Avenue.



Meurer & Associates' role in the project included design work for relocating approximately 1,800 feet of 16-inch water line and over 400 feet of sanitary sewer line plus the installation of approximately 250 feet of steel casing pipe. We also provided contract administration services and the bidding of both the District's 16-inch water line and Denver Water's 30-inch conduit extension projects. The project involved significant coordination with major public agencies as

well as the roadway and utility contractors.

Initially, all the utility work was included as part of Jefferson County's roadway improvement project. Based on the bids received and the District budget constraints, the project was separated out into four different projects and constructed separately. The sewer relocation and steel casing installations were completed by Levi Contractors. The fire hydrant extensions, valve adjustments and meter relocations were completed by BPS Contractors and Quality Pipe Systems. The 16-inch water line improvements and Denver Water conduit extension were awarded to Tierdael Construction. Savings of approximately \$1,000,000 were realized by re-bidding the District's water line and sewer line improvements and the Denver Water extension.

Meurer & Associates has been involved in the planning of this project for approximately four years and anticipates the project's completion in the spring of 2007. We are working closely with Eric Byrd, District Manager for Willowbrook Water and Sanitation District. The Meurer & Associates' project team includes Tom Napolilli, Senior Project Manager; Kari Mueller, Design Engineer; and Bob Mott, Senior Field Administrator.



CONGRATULATIONS



Aimèe Fitzhugh, P.E., Project Engineer, along with her husband Shawn and son Connor, welcomed a new baby girl, Camryn, into their family on December 27, 2006.

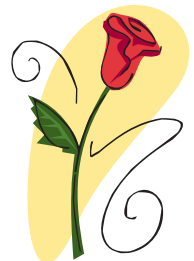
AWARDS

What is your secret to a lasting marriage?



(From left to right) Jodi Villa, Tom Napolilli, Sarah Levy

"Enjoy the changes in your marriage and your lives." **Jodi Villa, P.E., Project Manager**, winner of the Leonardo DaVinci Award for her promotion of engineering, education, and community involvement.



"Know when to go home!" **Tom Napolilli, Senior Project Manager**, receiver of the 2006 "Big Mac" Award in recognition of his engineering involvement and excellence.

"Treat each other with the genuine affection and respect you had when you first met." **Sarah Levy, Senior Engineering Assistant**, recently voted Meurer & Associates' 2006 Employee of the Year.

Happy Valentine's Day!

Wild Pointe Outfall Sewer & Gold Creek Lift Station

Meurer & Associates began designing the outfall sewer and lift station for Elbert and Highway 86 Commercial Metropolitan District in February 2006. The project provides domestic sewer service for Legacy Academy, which is an Elbert County Charter School, Wild Pointe Commercial Area, and future projects in the District and the Town of Elizabeth. Upon completion of the project, the District will dedicate the facilities to the Town of Elizabeth for operation and maintenance.



The design included approximately 4,000 feet of 10-inch gravity sewer and 1,100 feet of 4-inch force main. Meurer & Associates worked with Zane Hudick, of Hudick Excavating Inc., the contractor for the project. The project required construction through a high water table and sandy soil with depths of up to twenty feet. To allow Legacy Academy to open in August 2006, prior to the completion of the outfall sewer, Meurer & Associates designed a temporary pump and haul sewage system for the school.



The sewer and force main alignment crosses beneath Highway 86 and Gold Creek, an environmentally sensitive area. After consultation with the United States Fish and Wildlife Service, it was decided to use trenchless construction technologies to cross Gold Creek. These two trenchless methods included horizontal directional drilling and bored and cased crossings.

Meurer & Associates has worked with Elbert and Highway 86 Commercial Metropolitan District since 2004 and is currently their district engineer. We worked in conjunction with Karl Nyquist, District President, on this project. Our project team included Paul Goldfain, P.E., Associate Principal; Craig Patterson, P.E., Senior Project Engineer; Clarice O'Hanlon, P.E., Design Engineer; and Bob Mott, Senior Field Administrator.

South Metro Water Supply Authority Study

Meurer & Associates is working as a subconsultant to Camp, Dresser and McKee (CDM) on a water supply study for South Metro Water Supply Authority (SMWSA). SMWSA is a group of water districts and municipalities that formed an authority to address water supply issues primarily in northern Douglas County and southern Arapahoe County.

CDM, along with Meurer & Associates, was selected to develop a Regional Master Plan for the SMWSA. The master plan identifies potential major water supply sources and several water infrastructure alternatives with costs for delivery of water to the participants. The study will provide an interactive and dynamic plan which can be followed to develop water supplies and feasibilities to serve the group.

John Rehring, P.E., Kelly DiNatale, P.E., and Courtney Pepler, P.E. are leading the study for CDM and identifying the potential water sources and treatment options. Meurer & Associates was asked to assist CDM due to our extensive work through the years for the many districts and municipalities that comprise the SMWSA and our knowledge of the south metro area. The completion date of this study is targeted for early 2007.

The Meurer & Associates' team includes Gordon Meurer, P.E., Principal; Paul Goldfain, P.E., Associate Principal; and Justin Hoxie, Engineer.

Meurer & Associates' Services

The following are some of the services that we offer. Please refer to our website, www.meurer.com, for a complete listing and associated projects.

Water

- Distribution and Transmission Lines
- Master Planning
- System Analysis
- Well Pump Stations
- Booster Pump Stations

Wastewater

- Collection and Outfall Lines
- Lift Stations
- Master Planning
- System Modeling

Program Management

- Contractor/Engineer Coordination
- Opinions of Probable Cost
- Design and Construction Review

Infrastructure Rehabilitation

- Water Systems
- Wastewater Systems
- Roads/Streets/Parking Lots

Alternative Water Systems

- Concept Development
- System Design
- Supply Analysis
- Demand Projections

Construction Management

- Project Management
- Construction Observation
- Bid Coordination

Operations and Maintenance

- Maintenance Programs
- Capital Improvement Programs
- Grease Interceptor Inspections
- Video Review and Analysis



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**Office Hours: Mon – Thurs, 7:30 a.m. – 5:30 p.m.
Friday, 8:00 a.m. – 12:00 p.m.**

For your convenience on Friday afternoon, you may leave a message by dialing **303-985-3636**, or **303-985-8738** to enter an extension and leave a message.

Discover is published for our clients and friends. Meurer & Associates, Inc. has been serving the Colorado community since 1978 in the areas of water, wastewater, infrastructure rehabilitation, alternative water systems, construction management, and operations and maintenance. We are known for our extensive representation to the public sector through our special district and municipal work, as well as our private sector work for both industries and developers. For more information on the subjects contained in this issue or services provided, contact Sarah Levy, Marketing Assistant, e-mail: slevy@meurer.com.