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Branch Website

<http://www.ascesoutheast.org>

Presents:

The Walnut Lake Project

Presented By:

Mr. Dave White, P.E.
Wade Trim & Associates, Inc.

&

Mr. Sid Lockhart, P.E.
Oakland County Drain Commissioner's Office

The Walnut Lake No. 1 Pumping Station provides sanitary sewer service to the Townships of Bloomfield and West Bloomfield in Oakland County. During wet weather events, the existing pump station was unable to handle excess wet weather flow delivered from the upstream sewer systems. Overwhelmed, the sewers quickly surcharged and were relieved via an overflow pipe into the Franklin Branch of the Rouge River. Three Combined Sewer Overflow (CSO) Retention Treatment Basins (RTB) with permitted discharges were located just five miles away from the project site. Each RTB was served by a sewage regulator that maintained a designated flowrate to the downstream Evergreen Interceptor. During wet weather events, flows in excess of 14 cfs were diverted into the three CSO RTBs for storage and, if needed, treated discharge. Historical peak flow metering records at the Walnut No. 1 Pumping Station indicated that relief of 14 cfs would significantly reduce Sanitary Sewer Overflows (SSO) at the project location. The MDEQ agreed to allow for full transfer of up to 14 cfs with complete closure of the three regulators. To deliver excess wet weather flow from the Walnut Lake No. 1 Pumping Station, a 20-inch, SDR 11 High Density Polyethylene (HDPE) forcemain was constructed along a route 22,000 feet from the new pumping station to the Evergreen Interceptor. At the time of the construction, this forcemain was one of the longest and largest sanitary sewer directional drilling projects of its kind in Michigan.

- Date:** Wednesday, May 7, 2008
- Location:** Hogan's Restaurant – Maple Room
6450 Telegraph Road, Bloomfield Hills, MI 48301
(On Telegraph, just north of West Maple Road)
(248) 626-1800
- Agenda:** 5:00 - 6:30 – Dinner and Presentation
(Dinner choices include Tavern Kabob, Garlic Tilapia, Chicken Pasta Alfredo and Hot Corned Beef & Swiss, soup or salad and beverage)
- 6:30 – 7:30 – Tour (Located on Inkster Road just north of 14 Mile Road)
Please bring hardhat, safety glasses, and boots as they are required.
- Cost:** \$20 per person (**ASCE members**) \$25 per person (**Non-Members**)
Please Mail Checks Payable To:
ASCE Southeastern Branch
Wade Trim & Associates, Inc.
25251 Northline Road
Taylor, Michigan 48180
Attn: William Fisher, P.E.
Phone: (734) 947-9700 **e-mail:** wfisher@wadetrim.com

Please RSVP by Monday, May 5, 2007