



**CET Engineering  
Services**

*1240 North Mountain Road  
Harrisburg, PA 17112  
(Phone) 717-541-0622  
(Fax) 717-541-8004*

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**MEMORANDUM**

**TO:** Washington Township Municipal Authority

**FROM:** Kevin Shannon

**DATE:** April 8, 2008

**RE:** Authority Meeting Engineers' Report

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The following are summaries of CET's activities since the March 11, 2008 WTMA meeting:

**WATER SYSTEM**

WaterCAD Training and Support (1798.0900)

- ◆ WTMA's computer system has been upgraded and Andy/Jeremy are planning to visit CET for training on the new version of WaterCAD in the near future.
- ◆ Recommend that WTMA acquire PC Anywhere, GoToMyPC, or some similar software so WTMA and CET could share WaterCAD/SewerCAD data files.

Hess Well and Brookdale Booster Pumping Station VFD and Controls (1798.3001)

- ◆ Nothing new this month.

Standard Specifications for Water System Construction (1798.1300)

- ◆ Nothing new this month.

Miscellaneous

- ◆ In conjunction with WaterCAD modeling for B2M2, raised questions and had several discussions with Glace and WTMA staff to obtain drawings for Boulevard PRV and attempt to determine whether flows north in Boulevard line pass through the Boulevard PRV.

## SEWER SYSTEM

### Special Act 537 Planning Study to Determine WWTP Nutrient Removal Capabilities and Evaluate Alternatives to Comply with Pennsylvania's Chesapeake Bay Tributary Strategy (1798.0300)

- ◆ Finalized historical data review, established base flows/loads (2007 data), and developed design flows and loads based on 4,500 new EDUs over the next 25 years.
- ◆ Discuss lawsuit, political activity, and time extensions recently granted to some Phase 1 facilities. Based on 4/3/08 meeting with DEP with another Phase 3 client, DEP indicated that the compliance schedules for Phase 2 and 3 plants are likely to be pushed back (possibly to 2015).

### Pennsylvania Avenue/Pennersville Road Sewer Project (1798.0700)

- ◆ No activity this month. CET still needs to prepare record drawings from Gene's mark-ups.

### Sewer System Capacity Analysis (1798.0800)

- ◆ No activity this month, except to discuss WTMA meter data and overall metering program with Andy.

### 2007 Chapter 94 Report (1798.1500)

- ◆ Completed report and forwarded to Sean for approval and submission to DEP.

### Miscellaneous

- ◆ Provided Suzanne with examples of capacity approval letters and hold harmless agreements for clients currently under Corrective Action Plans.
- ◆ Discussed grease trap sizing formula/minimum sizing with Gene.
- ◆ Discussed WTMA CAP history with DEP. Jay Patel of DEP reports that WTMA is not currently under a CAP and is free to re-design its wastewater metering program to suit current needs.

## DEVELOPER SUBMITTALS

- ◆ Thornhill (1798.5011) – Discussed review comments in 2/27/08 with McCarthy Engineers.
- ◆ B2M2 (1798.5012) – Awaiting pumping station design drawings, calculations, and DEP WQM Permit application package. Performed fire flow modeling for various line sizes and additional Boulevard extension. See CET's 3/25/08 memo and email.
- ◆ Layman's Ridge/Red Run Commercial (1798.5021) – Met with Andy/Scott and Lee Royer on 3/11/08. Completed review of first submission of sewer/water extension drawings and provided comments in 3/16/08