



***CET Engineering
Services***

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MEMORANDUM

TO: Washington Township Municipal Authority

FROM: Kevin Shannon, Chad Angle

DATE: April 14, 2009

RE: Authority Meeting Engineers' Report

The following are summaries of CET's activities since the March 17, 2009 WTMA meeting:

WATER SYSTEM

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

- ◆ CET discussed project status with contractor, and contractor was confident that they would meet the substantial completion deadline of April 30.
- ◆ CET received an Application for Payment in the amount of \$12,694.09.

Bubbling Springs Generator

- ◆ Nothing new this month.

Miscellaneous

- ◆ Discussed Quincy water service/billing options with Sean.
- ◆ Discussed standard specifications and fire flow guidelines with Sean.

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)

- ◆ Provided .pdf copy of full report and draft advertisement/public notice to Sean.
- ◆ Next steps
 - Fred, Sean and Kevin will attend workshop meeting with Township on 4/15/09.
 - Edit final draft per Township's comments.
 - Submit copies of final draft to Township and County planning commissions, and advertise a 30-day public comment period.
 - Address any comments received from the public and planning commissions.
 - Township Supervisors adopt Plan by resolution.
 - Submit to DEP.
 - Address any comments received by DEP and submit final plan to DEP for approval.

- Assemble cost documentation and submit Act 537 planning grant application to DEP reimbursement of 50% of eligible planning costs.

Sewer System Capacity Analysis (1798.0800)

- ◆ CET worked on report maps, evaluated flow meter data provided by Bob Carpenter, and worked on future EDU and flow projections from service area.

WWTP Ammonia-Nitrogen (NH₃-N) Issues (1798.2000)

- ◆ Wick and Sean requested CET's assistance with troubleshooting high influent and effluent NH₃-N concentrations and loadings over the past several months.
- ◆ Received 2009 WWTP operating data from R. Carpenter.
- ◆ Bob White from CET contacted Wick for further information.

Miscellaneous

- ◆ Old Forge Road Sewer Extension – CET provided .pdfs of 2006 plans. WTMA should determine whether FCCD approval and/or DEP permit(s) are required, and PA One Call information should be updated.
- ◆ Risk Management Plan – CET provided estimate to Sean to assist with renewal application for the RMP.

DEVELOPER SUBMITTALS

- ◆ Thornhill (1798.5011) – Awaiting response to comments in our 5/28/08 letter. *No change from last month's report.*
- ◆ B2M2 (1798.5012) – Awaiting response to comments in our 6/14/07 letter. *No change last month's report.*
- ◆ Washington Township Center (1798.5022) – **CET received revised construction drawings and reviewed design for proposed sewer and water main extensions. See CET's 4/7/09 review letter.**
- ◆ Martins Village PRD (1798.5023) – Awaiting response to comments in our 8/18/08 letter. *No change from last month's report.*
- ◆ Antietam Creek Estates/Dan Long PRD (1798.5024) – Awaiting response to comments in our 8/19/08 letter. *No change from last month's report.*
- ◆ Mary Lindquist Apartments (1798.5025) – Awaiting response to comments in our 1/22/09 letter. *No change from last month's report.* **Discussed fire protection issues with Andy and Sean, and discussed Special Purpose Tapping Fee with Sean and Suzanne.**
- ◆ Spring Run Estates, Phase 3 (1798.5026) – Awaiting response to comments in our 12/9/08 letter. *No change from last month's report.*