



Engineering Inc. 155 E. Front Street (rear) Lititz, PA 17543
Phone (717) 625-1930 Fax (717) 625-1931

November 4, 2009

Bethel Township Municipal Authority
PO Box 24
Bethel, PA 19507
ATTN: David Younker, Chairman

RE: Monthly Report for October '09

Dave and Board Members,

This office has been working on the following items this past month and would like to update the Board as follows: (items denoted with "*" have accompanying information in the Board's packet. Items denoted with "***" have been forwarded to board members prior correspondence this month).

DEVELOPMENT PLANS FOR BOARD REVIEW AND/OR ACTION (POTENTIAL VISITORS):

1. Fristown Resident concerns and work items: As requested this office has worked on the following matters related to various resident concerns as follows:
 - a. *The Geologist has completed their investigation for the resident claim of the sewer installation affecting their well water. We have attached copies of the formal report.
 - b. In reviewing the apparent ground water problems adjacent to the sewer line in Fristown (MH # 17 and MH # 8A) we are recommending the Board place any piping improvements on hold until after the actual sewer connection of this property is completed so that the work could be better coordinated.
2. Bethel Resident concerns and work items:
 - a. The storm water related concerns along and adjacent to properties along Lancaster Avenue were placed on hold this month due to more pressing matters but will resume over the next month or two working on a report for the Board on this matter.
 - b. Bethel residents have been connecting to the sewer system. This office has reviewed several and various waiver requests for the connections this past month as directed.

FINANCING MATTERS (PENNVEST & PENNWORKS):

3. *This office is recommending payment of invoices (separate correspondence to the Board) for the construction project for the following listed contracts (through to 09/25/09) which would require Board action for payment. The payment details are attached (separate correspondence) and summarized as follows:

- a. Contract # 1 Frystown collection lines (96% complete to date). NO WORK THIS PERIOD.
- b. Contract # 2 Bethel collection lines (94% complete to date). NO WORK THIS PERIOD.
- c. Contract # 3 Bethel Pump Stations (see attached).
- d. Contract # 4 Bethel Wastewater Treatment Plant (see attached).
- e. Contract # 5 Frystown Wastewater Treatment Plant (see attached).
- f. Contract # 6 Mechanical Systems for WWTP and appurtenances (see attached).
- g. Contract # 7 Plumbing Systems for WWTP and appurtenances (see attached).
- h. Contract # 8 Electrical Systems for WWTP and appurtenances (see attached).

CONSTRUCTION MANAGEMENT AND LOGISTICS:

4. Our inspection reports are available to the Board members (via our website) and can be furnished (paper copies) upon request. In summary the work has been progressing as follows:
 - a. **Contracts # 3 – # 8** The work on the various contracts continues in varying degrees.
 - i. The lining project for the village of Bethel (Bethel WWTP tanks and the pump stations) has been evaluated by Sherwin Williams (lining material supplier). This office has provided specific additional questions for Sherwin Williams to fully address before we would recommend the Board consider any payment for this work (nothing paid to date). Furthermore we have placed the other work (Frystown tanks) on hold pending a full evaluation of the product.
 - ii. The contractor has requested the project be determined substantially complete for the Bethel WWTP (contract # 4). However, we are awaiting the final certification for the process design of the plant (which has been requested since May, 2008) before concurring with the substantial completion. This certification is expected this month.
 - iii. Work continues to progress in Frystown. At this point the schedule is waiting further coordination and completion by the Electrical contractor (Contract # 8). We are awaiting a more formal schedule prior to the contractor's meeting next week. The schedule may also be affected by the lining work as well.

OTHER MATTERS REQUIRING BOARD REVIEW AND/OR ACTION:

5. Lining Work for Manholes and Logistics

- a. This office has not heard directly about the recent PENNVEST meeting (10/27/09) but will forward formal correspondence once it is received.
6. CHANGE ORDERS:
 - a. We have included documentation for the Board's consideration in concurrence of change orders for the laboratory setup (plumbing and electrical contract changes). This was necessitated upon final layout of the lab bench and workstation with the contract operator.
 - i. Contract # 7 (Plumbing) CHANGE ORDER # 4 (see attached document) this is to provide water service to the lower level due to the building and pump changes.
 - ii. Contract # 7 (Plumbing) CHANGE ORDER # 5 (see attached document) this is to provide the plumbing for the laboratory in the Bethel WWTP control building.
 - iii. Contract # 7 (Plumbing) CHANGE ORDER # 6 (see attached document) this is to eliminate the ADA shower and sump pump in the Frystown WWTP control building and represents a credit.
 - b. * Contract # 8 (ELECTRICAL) Change Order # 18 is attached for the Board's further consideration. This change order was required for the provision of a welding receptacle in the Bethel control building (garage).
7. ACT 537 PLAN REVISION UPDATE: This office had a phone conference with the Township Engineer discussing at length our current review comments (August, 2009). The Township Supervisors is looking for this plan to be approved by the Authority by November 16, 2009.
8. NORTHERN EXTENSION (Klahr Road).
 - a. The current status of the final design and permitting are progressing on the following order:
 - i. The archeologist has completed most of the field work but is awaiting permission for one remaining property.
 - ii. Concurrently this office is preparing the documents for submission to PADEP and PENNDOT for permitting.

Should there be any questions, please feel free to contact me.

Sincerely,
Vision Engineering, Inc.
Bethel Township Municipal Authority Engineer

John K. Roche, P.E.

cc: Terry Parish, Esq. (w/attachments)