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February 4, 2009

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

RE: Monthly Report for January '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. \*BTMA-08103 Berks County Industrial Development Authority: This office received a revised plan submission and has offered our review comments (separate letter) to the Board for their consideration.
2. \*BTMA-0810 Horning's Market (Village of Bethel): This office has received the initial plan submission and has offered our review comments (separate letter) to the Board for their consideration.
3. \*BTMA-08111 Bethel Elementary School Plan (Village of Bethel): This office has received the initial plan submission and has offered our review comments (separate letter) to the Board for their consideration.

**FINANCING MATTERS (PENNVEST & PENNWORKS):**

4. \*This office is recommending payment of invoices (separate correspondence to the Board) for the construction project for the following listed contracts (through to 01/23/09) which would require Board action for payment. The payment details are attached (separate correspondence) and summarized as follows:
  - a. Contract # 2 Bethel collection lines (97% complete to date).
  - b. Contract # 3 Bethel Pump Stations (63 % complete).
  - c. Contract # 4 Bethel Wastewater Treatment Plant (57% complete).
  - d. Contract # 5 Frystown Wastewater Treatment Plant (49% complete).
  - e. Contract # 8 Electrical Systems for WWTP and appurtenances (29% complete).

## **CONSTRUCTION MANAGEMENT AND LOGISTICS:**

5. \*We continue providing the Board with our inspection reports (email) and have provided hard copies for Board Members of this past month's activities. In summary the work has been progressing as follows:
  - a. **Contract # 1** – Frystown Collection Lines. No work was completed this past month (waiting for favorable paving weather to complete). Generally, the substantial remaining work includes the following items (to date 91% complete):
    - i. Continued Trench Restoration.
    - ii. Paving of the alleys and Roadways.
  - b. **Contract # 2** – Bethel Collection Lines. The work completed this past month included primarily some force main work. Generally, the outstanding main line work at this point includes the following areas:
    - i. Continued Trench Restoration.
    - ii. Completion of Force Main Valves & connections (pending change order approval).
  - c. **Contracts # 3 – # 8** This office continues receiving various submittals of shop drawings, etc. that we have been reviewing and distributing as necessary to other parties (electrical engineer, mechanical engineer, plumbing engineer, etc).
    - i. Progress continues with the buildings and appurtenances to varying degrees. The Frystown Building has now been released to move forward with the recent recommendations of the Geologist regarding the groundwater remediation.
    - ii. After initiating the phone service (Verizon) it was revealed that a temporary service was inadvertently installed at Frystown (not requested). The payment of this service should be disputed.
    - iii. There have been a few change orders proposed as result of reviewing various submittals etc. and are discussed below.
    - iv. This office has received a phone call from Jane Miller (MET-ED) requesting the Authority provide additional information for her use in prioritizing the work. This office has also followed up with various field personnel involved with the project (JB Electric) verbally assuring us that all work and coordination (Verizon & MET-ED) are their responsibility and are under control. We would like to discuss the Board's position on this matter.

## **PLAN REVISIONS AND/OR CHANGE ORDERS:**

6. **Contract # 2 (Bethel Village Collection Lines):** The following formal change orders (as previously discussed) have been submitted for final board action and forwarding to PENNVEST (if appropriate). These change orders a included the following items:

- a. **\* Change Order Request # 9:** (Corrective work). This change order was proposed to compensate the contractor to correct a broken pipe (private property located Along Old 22).
    - i. We have prepared a separate recommendation on this matter for the Board's review and consideration.
    - ii. As requested last month this office forwarded the plumbing invoice (submitted by the property owner) to Marks Contracting. Their response letter was received and copied for the Board's review.
7. **Contract # 4 (Bethel Village Wastewater Treatment Plant):** The following formal change orders (as previously discussed) have been submitted for final board action and forwarding to PENNVEST (if appropriate). These change orders included the following items:
- a. **\* Change Order Request # 1:** (PE Seal). This change order was proposed to accommodate the PADEP requirements (process design certification of wastewater treatment plant) and the specific contract documents (bid submitted for packaged wastewater plant).
  - b. **\* Change Order Request # 2:** (Chemical Feed System). This change order was proposed as a result of the recent discussions (and direction) with the PADEP regarding anticipated future permitting restrictions (nitrate and phosphorous reductions). The changes should be more cost effective at this point (during initial construction) as opposed to a few years from now (permit renewal).
8. **Contract # 5 (Frystown Village Wastewater Treatment Plant):** The following formal change orders (as previously discussed) have been submitted for final board action and forwarding to PENNVEST (if appropriate). These change orders included the following items:
- a. **\* Change Order Request # 1:** (PE Seal). This change order was proposed to accommodate the PADEP requirements (process design certification of wastewater treatment plant) and the specific contract documents (bid submitted for packaged wastewater plant).
  - b. **\* Change Order Request # 2:** (Chemical Feed System). This change order was proposed as a result of the recent discussions (and direction) with the PADEP regarding anticipated future permitting restrictions (nitrate and phosphorous reductions). The changes should be more cost effective at this point (during initial construction) as opposed to a few years from now (permit renewal).
9. **Contract # 7 (Plumbing Systems for Both Wastewater Treatment Plant sites):** The following change orders (as previously discussed) have been submitted for final Board action and forwarding to PENNVEST (as appropriate). These change orders included the following specific items:
- a. **\* Change Order Request # 1:** (Oil Separator extension). This change order was required to accommodate a grade difference from what was bid on this contract (plumbing) and the actual grades provided for the Garage structure (Bethel WWTP site).

- b. **\* Change Order Request # 2:** (Chemical Feed System). This change order was proposed as described in the Change Orders above (Contracts # 4 & 5) but include the plumbing (piping, connections, etc.) fixtures and work associated with this work.
- c. **\* Change Order Request # 3:** (safety equipment). This change order was necessitated by the requirements in adding the chemical feed equipment (above change order). The actual equipment proposed was presented informally with Board members and we can review that again or answer any related questions.
- d. **\*Unnumbered Change Order Request:** (LP Gas Equipment). This office received a letter from the plumbing contractor (TMI Commercial) requesting a change order be issued for the LP gas equipment. This office has consulted with the MEP engineer on this matter and has advised the board accordingly (separate letter).

10. **Contract # 8 (Electrical Systems for Both Wastewater Treatment Plant sites):** The following change orders (as previously discussed) have been submitted for final Board action and forwarding to PENNVEST (as appropriate). These change orders included the following specific items:

- a. **\* Change Order Request # 2:** (Chemical Feed System). This change order was proposed as described in the Change Orders above (Contracts # 4 & 5) but include the electrical (wiring, connections, etc.) fixtures and work associated with this work.
- b. **\* Change Order Request # 3:** (safety equipment). This change order was necessitated by the requirements in adding the chemical feed equipment (above change order). The actual equipment proposed was presented informally with Board members and we can review that again or answer any related questions.

**DEVELOPMENT PLANS FOR BOARD INFORMATION/UPDATE:**

11. **BTMA-080105 Dwight Miller Subdivision (village of Bethel):** This office has received some phone calls from the developer's engineer who is starting up this project once again. The prior plan review had been suspended (authority review) due to zoning matters.

**OTHER MATTERS REQUIRING BOARD REVIEW AND/OR ACTION:**

- 12. **\*Groundwater Remediation Frystown WWTP site:** This office received a proposal for the next phase of groundwater remediation from the geologist (AES – copy attached) and would like to discuss this matter with the Board this evening.
- 13. **\*Payment for Stored (substantial) Materials Contract # 8:** This office received a request from JB Electric asking the Board to consider payment of specific items prior to installation (copy attached).
- 14. **Extension of Highway Occupancy Permit Application (Frystown WWTP site driveway):** This office received a notification that the permit will be expiring and are asking the Board's action to extend the permit (authorize Chairman to sign and Vision to forward the extension application).

**PUBLIC RELATIONS/ MISC. INFORMATION:**

15. We continue updating items on our website and certainly welcome any further suggestions on how this may be used for disseminating the project information.
16. We will continue working with Terry Parish on the various ordinances as necessary.
17. We will continue working with Terry Parish on the ACT 537 plan revisions as being driven by the developers (Frystown village).

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)