



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

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January 7, 2009

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

RE: Monthly Report for December '08

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 ACTION (POTENTIAL VISITORS):**

1. Bethel Elementary School Plan (Village of Bethel): This office was contacted recently about an anticipated initial submission of the plans. The applicant and his engineer are asking the Board's action on the following specific item:
  - a. Due to the timing of the submission and the school board's payment protocol they are requesting that the review of the plans begin in advance of the escrow fund being established to cover the review costs.
2. Horning's Market (Village of Bethel): This office received a planning module (component 3) packet this month for completion by the Board and would like to discuss several related items prior to completion.
  - a. As part of this module/plan review we would like to discuss policy matters surrounding these items.
  - b. Additionally, we would like to discuss policy matters related to non-residential users as it pertains to this plan and future sites (non-residential user policies).

**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 12/26/08) which would require Board action for payment. The payment details are attached (separate correspondence) and summarized as follows:
  - a. Contract # 2 Bethel collection lines (90% complete to date).
  - b. Contract # 3 Bethel Pump Stations (37 % complete).
  - c. Contract # 4 Bethel Wastewater Treatment Plant (43% complete).

- d. Contract # 8 Electrical Systems for WWTP and appurtenances (26% complete).
- 4. \*In addition to the above listed pay estimate (this period) Marks contracting is requesting the payment of “significant” stored materials (as listed on the attached sheets) or items included in change orders (requiring Board action). If the Board acts favorably on these requests (to pay for significant stored materials and/or change orders) then we would recommend the Board paying the revised (second package) of pay estimates as listed below. The revised 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 (58 % complete).
  - c. Contract # 4 Bethel Wastewater Treatment Plant (56% complete).
  - d. Contract # 5 Frystown Wastewater Treatment Plant (48% complete).
  - e. Contract # 8 Electrical Systems for WWTP and appurtenances (26% complete) No Change proposed from above recommendation.

**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 paving of the alleys. 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. At this point all disciplines (Site, Mechanical, Electrical & Plumbing contractors) are engaged at some level.
    - ii. Phone service was initiated this month as required for the various building sites with Verizon.

- iii. The Frystown Building is somewhat delayed and waiting for the recommendations on the Geologist regarding the groundwater remediation.

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

6. The following formal change orders (as previously discussed) have been submitted for final board action and forwarding to PENNVEST. These change orders are for Contract # 2 (Bethel Village Collection Lines) and included the following items:
  - a. **\* Change Order Request # 4:** (Cast Iron Protection Sleeves). This change order was proposed to protect any lateral risers within and/or adjacent to paved areas.
  - b. **\* Change Order Request # 5:** (Corrective work). This change order was proposed to compensate the contractor for additional time incurred in corrective work on the project as described on the attached sheets.
  - c. **\* Change Order Request # 6:** (Paving of Alleys). This change order was proposed to achieve a modified pavement design for the alleys to compensate for the excessive asphalt prices. The pavement design was as directed by the Township road master and the total paving costs (alleys) represented a slight reduction in overall bid costs (not including below adjustment).
  - d. **\* Change Order Request # 7:** (Asphalt Price Adjustment). This change order was proposed to compensate the Contractor for the excessive escalation in asphalt prices.
  - e. **\* Change Order Request # 8:** (Air Release Valves and Manhole Structures). This change order was proposed to allow for adequate maintenance of the valves (2 foot higher structure) and also represented a change from the cast iron valves to stainless steel valves (longer life).
7. No significant plan changes (only field modifications) occurred this past month. However, we are generally recommending the following change order(s) requested for Board consideration:
  - a. **\*Contracts # 4 & 5:** In light of the pending and imminent permit requirements (higher levels of treatment for the Chesapeake Bay) we are recommending installing the chemical feed equipment (tanks, conduits & piping, etc) while things are excavated for future use. We are still waiting on the final costs for this change order but would like to get the Board's concurrence on this item.

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

8. **BTMA-08103 Berks County Industrial Development Authority:** This office received a revised plan submission last week and will review this and forward our comments to the Board.
9. **\*\*BTMA-08107 Andrew Zeiset Subdivision Plan:** This office did not receive a withdrawal letter (current plan) as the developer discussed last month with the Board so we released our prior review letter.

10. \*\*BTMA-08110 Horning's Market: As discussed last month this office issued a "will serve" letter in response to the developer's request for additional capacity (Land Development Plans) and provided a general review letter due to the lack of details (sewer) provided on the plans.
11. BTMA-0811 Bethel Elementary School: We are anticipating the initial submission of plans this week and will review these plans upon receipt of the same.

**PUBLIC RELATIONS/ MISC. INFORMATION:**

12. We continue updating items on our website and certainly welcome any further suggestions on how this may be used for disseminating the project information.

**ACTION ITEM STATUS:**

13. The following listed items are a secondary priority as follows:
  - a. Draft Technical Manual.
  - b. Nutrient credits versus infrastructure improvements.
  - c. Non-residential user requirements and standards.

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)