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March 3, 2010

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

RE: Monthly Report for February '10

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).

ACTION ITEMS FOR BOARD (POTENTIAL VISITORS):

1. * Tank Lining Work (Marks Contracting/Dutchland, Inc. & I.K. Stoltzfus): We received a response from the contractor to our prior correspondence on this work but not in enough time for any formal follow up. A meeting will be scheduled this month.
2. Various concerns, follow up and work items:
 - a. * The manhole (# 37) in Blackberry Alley was reviewed in the field and determined is not contributing to plowing problems. There may be other matters causing this problem (possibly roadway grading).
 - b. The storm water related concerns along and adjacent to properties along Lancaster Avenue (Salem Church & points south) remains on hold due to more pressing matters but will resume when time allows.
 - c. A cursory review of footer drain discharges (follow up) would generally reveal that they are permissible and non-regulated discharges (PADEP & US EPA (MS4)).

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 2/19/10) which would require Board action for payment. The payment details are attached (separate correspondence) and summarized as follows:
 - a. Contracts # 1, 2, 3, 4, 5 & 7 – NO PAYMENTS submitted this period.
 - b. Contract # 6 Mechanical Systems for WWTP and appurtenances (100% complete to DATE see attached).

- c. Contract # 8 Electrical Systems for WWTP and appurtenances (99% complete to DATE 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 # 2 – # 5 (BETHEL & FRYSTOWN)** The work on the various contracts continues in varying degrees.
 - i. CONTRACT # 2 (Bethel Collection Lines)
 1. The preliminary punch list has been issued but no items addressed this past month.
 2. This contract is open and waiting for the Northern Extension work to begin.
 - ii. CONTRACT # 3 (Bethel Pump Stations). The final punch list of items will need to be addressed by the contractor.
 - iii. CONTRACT # 4 (Bethel WWTP)
 1. * This office reviewed the final certification for the process design of the plant which needs to be revised to be consistent with the overall performance criteria (established in specs).
 2. The final punch list of items will need to be addressed by the contractor.
 - iv. Contract # 5 (Frystown WWTP).
 1. We have concurrence from Marks Contracting that they have completed any operational punch list items and the plant operator is cleared to begin the biological startup.
 2. *The structural engineer is currently evaluating some building issues and will have a full report hopefully later this week. We have included some photos of this matter.
 3. We are awaiting the final certification (process design of the plant) for substantial completion.
 - b. **Contracts # 6 - # 8 (M.E.P. Work Bethel & Frystown).**
 1. * Contract # 6 – Mechanical Equipment (HVAC): The MEP engineer has determined this contract to be substantially complete. And although we do not take exception to this determination, we have asked for the final submittals before allowing the processing of the final payment.
 2. Contract # 7 – Plumbing Equipment: The MEP Engineer has identified several items to complete before substantial completion is determined.

3. * Contract # 8 – Electrical Equipment: The MEP Engineer has determined this contract to be substantially complete, however there is one outstanding matter (Frystown building) that is under review (structural engineer) before we can concur with this determination.

OTHER MATTERS REQUIRING BOARD REVIEW AND/OR ACTION:

5. CHANGE ORDERS and FIELD CHANGES: We have some follow up to prior requests for accepting changes to plans from the contractor as a result of some oversights during construction as follows:
 - a. * Contract # 3 & # 4 (Bethel Pump Stations & WWTP): The contractor has requested the Board accept the current pipes embedded in concrete with no sleeves in lieu of the fix proposed by the structural engineer.
 - b. * Contract # 5 (Frystown WWTP): The contractor has requested the Board accept the current steps installed with no protective (non-slip) noses on the risers.
6. Sewer Connections and non-residential users:
 - a. This office will continue working on a policy for handling the various types of non-residential users.
 - b. * This office received a waiver request to allow for the use of recycled glass aggregate backfill materials. We have provided our recommendations and background information for the Board's consideration of this request.
7. NORTHERN EXTENSION (Klahr Road). As an update, the status of the final design and permitting are progressing as follows:
 - a. *The archeologist has submitted a revision to the FINAL report to the State (PHMC) which is awaiting review & concurrence.
 - b. The PENNDOT HOP permit is secured for the work but needs an amendment (has been resubmitted this month reflecting some changes).
 - c. This office has submitted the Water Quality Management permit (amendment) to PADEP staff for processing and approval.
 - d. This office has submitted the permits (NPDES, E & S & GP-5) to the Berks County Conservation District staff for processing and approval.
 - e. This office has forwarded two easements (properties south of 78) to the attorney and will continue with the remaining easements.

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: Elizabeth Magovern, Esq. (w/attachments)