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June 3, 2009

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

RE: Monthly Report for May '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-08107 Andrew Zeiset Subdivision: This office distributed the review letter as discussed last month with the Board.
2. Outstanding restoration work items:
 - a. The restoration work for curb and paving adjacent to the Old 22 pump station are in question. As a result this office has issued a letter to the contractor for the Board's consideration in sending.
3. BCIDA Development: In light of the proposed northern extension work, this office has notified the site engineer of the anticipated changes (will affect their plans and connections).

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 04/24/09) 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).
 - b. Contract # 2 Bethel collection lines (93% complete to date).
 - c. Contract # 3 Bethel Pump Stations (84 % complete).
 - d. Contract # 4 Bethel Wastewater Treatment Plant (97% complete).
 - e. Contract # 5 Frystown Wastewater Treatment Plant (63% complete).
 - f. Contract # 6 Mechanical Systems for WWTP and appurtenances (38% complete) – NO PAYMENT THIS MONTH.

- g. Contract # 7 Plumbing Systems for WWTP and appurtenances (36% complete) – NO PAYMENT THIS MONTH.
- h. Contract # 8 Electrical Systems for WWTP and appurtenances (71% complete).

CONSTRUCTION MANAGEMENT AND LOGISTICS:

- 5. Our inspection reports are available to the Board members (via our website) and can be furnished (paper copies) upon request. We have discontinued our practice of automatically distributing the Board copies as directed last month. In summary the work has been progressing as follows:
 - a. **Contract # 1** – Frystown Collection Lines. Paving work (PENNDOT ROADWAYS) was completed this past month. As an update the work progresses as follows:
 - i. **The Township continues work to complete the paving (entire width) of Township roadways with a separate contract. The contractor has issued a formal acceptance of this release (copy distributed).
 - ii. This office is updating the final punch list of items for the contractor and should be completed late this week or early next week.
 - b. **Contract # 2** – Bethel Collection Lines. The work completed this past month included primarily restoration work of the trench (disturbed) areas.
 - i. With the northern extension considered as a Change of Scope, the logistics of substantial completion may need evaluated.
 - ii. The Final Punch list of this contract (exclusive of Northern extension) will be worked on this month.
 - c. **Contracts # 3 – # 8** The work on the various contracts continues in varying degrees. We continue holding regular (weekly) progress meetings for ALL contractors, engineers, etc. in order to facilitate coordination of all parties.
 - i. There have been a few change orders proposed as result of reviewing various submittals etc. and are discussed below.
 - ii. **The contractor's are working towards the substantial completion date of June 30, 2009 (Bethel system). Some of the equipment testing began this week and will continue this month in preparation of the system startup (anticipated July, 2009).
 - iii. This office has prepared an initial framework of the startup operations in coordination with all the various contractors and suppliers. We will continue our coordination efforts during this process.

PLAN REVISIONS AND/OR CHANGE ORDERS:

6. Contract # 8 – Proposed Change Orders # 11 - Electrical Contract (Bethel WWTP, Old 22 Pump Station, Lancaster Avenue Pump Station & Frystown WWTP). We have attached copies of these change orders and will verbally present them this evening. These changes are for flow monitors to be installed at the pumps (pump stations and influent lift stations) in order to monitor the flow and meet the NPDES permit requirements. These monitors were inadvertently left out of the original contract documents.

OTHER MATTERS REQUIRING BOARD REVIEW AND/OR ACTION:

7. Miscellaneous construction matters:
 - a. *Fence Installation (Lancaster Avenue Pump Station): We received a request from the fence contractor requesting that the fence posts be pneumatically driven into the ground due to the wet ground conditions. We have reviewed this proposal with an independent fence contractor who has vehemently opposed this type of installation particularly in light of the wet ground conditions.
 - b. *Tree Planting: The nursery has recommended planting procedures contrary to the plan details but has assured the revised planting procedures are adequate for the type of trees and type of installation.
 - c. Construction Trailer Costs Bethel WWTP: The costs for the office trailer have not been approved for payment to date since the full office trailer (electric, phone, etc.) was never provided. We have instructed the contractor to provide invoice pricing for the trailer itself for the Board's consideration of a partial payment of this item but have not received that information or request to date.
 - d. Standard connection details with narrative: As a follow up to our discussion last month we are providing the board members with the most recent details (and narrative) to be distributed to the homeowners and contractors for the connections.
 - e. Standard connection permit: In anticipation of the upcoming connection requests, we have provided an additional copy of our prior draft permit to be used for residential sewer connections. This can be an editable PDF version posted on our website for the convenience of homeowner's and the Authority.
 - f. Painting of Floors (control buildings): As a follow up to prior board actions (painting of floors with Mega Seal) it was revealed that the contractor had already applied a lower grade sealant on the floors which would have to be removed prior to installing the mega seal product. In light of this information we would recommend the Board consider rescinding or conferring its prior decision with this information in mind.
 - g. Fence Installation specifications: The contract plans required the installation of a polyolefin coated fence. The fence that was actually ordered and installed was a PVC vinyl coated fence. We would ask the board to either accept what was provided or direct us to have the specified fence re-installed.

- h. Pump Station startup, testing and operations: The gas tanks have not been installed yet which will affect the startup and testing of the equipment. It has been proposed to utilize temporary (portable) gas tanks for this process. The Plumbing engineer is currently reviewing this proposal but also wanted to discuss with the Board.
 - i. Use of Fire Pond for testing operations: Marks Contracting is looking to utilize the fire pond as a water source in testing the pump equipment and is asking the Board's input on this matter.
- 8. Plant Operations: As directed, we have distributed a REQUEST FOR PROPOSALS to three (3) representative Plant Operators for the Board's consideration. We have scheduled the receipt and formal opening of these proposals for this evening (7:30 pm).
- 9. Lining Work for Manholes and Logistics
 - a. This office (as directed) has prepared and submitted a funding application (PENNVEST) for this work.
 - b. The project does have several elements making it an eligible "Green Project" and as a result may receive a favorable funding offer (depending upon competition).
 - c. The funding application was submitted by the May PENNVEST deadline and will be considered at the July Board meeting.
- 10. NORTHERN EXTENSION (Klahr Road).
 - a. As requested this office has continued refining the layout of this line and can present the current layout to the Board this evening.
 - b. This office in speaking with PENNVEST (Vickie Johnson, Brian Johnson) and PADEP (Ed Ruch) staff received a determination that this work should be classified as a CHANGE OF SCOPE (as opposed to a separate project). In light of this determination this office has provided PENNVEST with additional information to be used in their consideration of funding this CHANGE OF SCOPE.

PUBLIC RELATIONS/ MISC. INFORMATION:

- 11. As part of the recent funding application process (northern extension & manhole lining project) this office was reviewing the projected connections and budgetary provisions with respect to the current conditions. Furthermore, this office had a conference call with Bond Counsel, Authority Solicitor and Treasurer who has determined that updated information should be provided for the Board's further consideration in re-evaluating this matter.
- 12. We will continue working with Terry Parish on the various ordinances as necessary.
- 13. *We were informed that the Township has re-opened their work on the ACT 537 plan revisions as being driven by the developers (Frystown village). In order to assist the Township Engineer and in response to the Township's request this office has issued a guidance document representing the Board's policies in this regard. We would ask the Board members to advise us further if necessary.

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)