

**BETHLEHEM TOWNSHIP PHYSICAL PLANT AND IT REPORT**  
**BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY**  
**October 2017**  
**October 12<sup>th</sup>, 2017 - REPORT**

Church Road/Green Pond Road Sewers

We are continuing work on DEP planning approval for the overall project area. Once the survey is completed, we will begin on the design for the collection sewers and the 2 pump stations.

Physical Plant Building

The superstructure of the building and the roof is complete; skylights should be installed the week of October 16. The mason has begun work on the block, and the stone subgrade for the floor of the building is complete. The underground electric should begin the week of October 16 and the underground mechanical piping should be complete that week.

During the next few weeks, the floor drains and piping should be complete as well as the fire suppression system in the new part of the building, along with the louvers and exhaust fans. Within the next month, all work, including doors, painting, electrical, final paving and landscaping should be complete, with substantial completion estimated to be mid-November and a Certificate of Occupancy by the end of November. Final completion of punch-list items should be before the end of the year.

Sewage Capacity Reassessment

At last month's meeting we discussed a letter received from St. Luke's requesting a time extension regarding payment for their capacity; further discussion should be held with the Authority for issuance of a response. Ashley (now PPL) submitted a letter indicating that they no longer need capacity for their property, but requested the potential to transfer that capacity elsewhere. A decision should be made by the Authority on that matter also.

Sewer Extensions

We have completed final design drawings, specifications and bidding documents for the Easton Avenue extension to serve the Angelic Sisters property. We have received a favorable response from Lehigh Valley Planning Commission and are awaiting response from the Township on the planning modules. The public comment period should begin before the end of the month. We are requesting approval from the Authority to advertise for bids for the project.

We have completed a preliminary design for the Farmersville Rd./Ct. project and also a draft copy of the specifications and bidding documents. Planning module approval is the same as for Easton Avenue.

Butztown Post Office Sewer Extension

We have received the survey data and will begin design as soon as we have completed the design for the Farmersville Rd./Ct. project..

### Miscellaneous Paving and Miscellaneous Laterals/Repairs

We have completed the specifications and bidding documents for both the Misc. Paving and the Misc. Laterals/Repairs projects and are requesting approval from the Authority to advertise both projects for bids. The proposed date for receiving bids via PennBid is November 14. We expect to make a recommendation to the Authority on award of the contracts at the November meeting.

Only locations with active projects are reported, routine PM maintenance is not reported in the monthly report. For information on PM programs, IT, minor repairs, and services please email me at [shunsberger@bethlehemtp.com](mailto:shunsberger@bethlehemtp.com)

### Stormwater

BTMA/PPIS Complete with project turned over all data to T&M for analysis.  
Replacing 24" CMP on Spear and Coleman Streets as part of Dewalt/Spear/Coleman storm revitalization. 24" segment Pipe lining scheduled for October.

### CCTV and Jetting

Resume I&I and system CCTV inspection September 18<sup>th</sup>

### Electrical Conservation

In Progress: LED Migration in progress – Indoor pool lighting on hold until roof repairs are made, now working with Entech Engineering to evaluate BTCC structural and lighting repairs. Traffic Signals at select intersections. Awaiting update report from Signal Services.

### Installation of Speed Radar Signs

Complete

### BTCC

Complete

### Housenick mansion

Lighting of exterior and replacement of electrical service will be scheduled upon exterior renovation completion

Pump Station Fall grounds maintenance underway.

Closed out fuel pump replacement project

## **Status of Bethlehem Township Municipal Authority Projects**

Week of Monday, October 9, 2017

### **I. Under Review**

1. 3774 Chipman Road Lateral (BT307) – Plan review on-hold pending investigation by BTMA regarding existing sanitary sewers;
2. 4006 Wm. Penn Highway – Ali Proposed Med Office (BT228) – Reviewed revised Final Plans;
3. 4401 William Penn Highway – Amin (BT247) – Reviewed Layout Plans (no comments);
4. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting held 4/19/17 with developers engineer ARRO;
5. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required); Lidl US Sketch Plan reviewed (no comments at this time);

6. Green Pond Country Club/TOA PRGCC (BT280) – Plans reviewed by ARRO (resubmission required);
7. Greek Orthodox Annunciation Church (BT286) – Plans reviewed (resubmission required);
8. Hecktown Rd. Business Park Lot 4 (BT400) – Plans reviewed (no comments);
9. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
10. King's View Avenue Medical Office Building (BT308) – Sketch Plan reviewed (no comments); Plan review escrow required;
11. LVIP IV Lot 12 Christmas City Distillery (BT400) – Wastewater flow data was reviewed;
12. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
13. LVIP VI Lot 43 (BT255) - Plans reviewed (resubmission required);
14. Keystone Canna (BT305) – Plans reviewed; Supporting documentation required;
15. Mill Creek Corporate Center Ph 1 (BT282) – Plans reviewed by ARRO (resubmission required);
16. MNB Properties Office & Garage (BT306) - Plans reviewed (resubmission required);
17. Nancy Run Estates Ph 7 – 10 (BT 290) – Revised Plans reviewed (resubmission required);
18. PENNDOT Hope Rd Facility Expansion (BT400) – Plans reviewed; flow documentation provided;
19. Rau Lane Residential (BT295) – Plans reviewed (resubmission required);
20. St. Luke's Tower 2 (BT111) – Plans reviewed by ARRO (resubmission required);
21. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
22. Washington Park Estates (BT197) – Plans reviewed;
23. William Penn Highway Twin (BT296) - Plan review on-hold pending BTMA study results;
24. Willow Park Self Storage (BT227) –Reviewed plans;

## **II. Pending Construction**

1. 4006 Wm. Penn Highway – Ali Proposed Med Office (BT228)
2. American Bank (BT201) – Issued final certificate 6/18/09;
3. Brodhead Road Distribution Center (BT302) – Pre-construction meeting to be scheduled;
4. Lands of Edward Youwakim (BT151) – Issued revised final certificate 4/19/11; Escrow again requested 7/11/11;
5. Lift-All East, Inc. (BT145) – Connect Monitoring MH to existing lateral;
6. Devine Subdivision (BT252) – Construction escrow required;
7. LVIP IV Lot 57 Fresh Pet Innovations (BT298) - Construction escrow required; 2 sets of plans required;
8. LVIP VI Lot 32 (BT299) – Pre-construction meeting held 6/20/17; Shop drawings submitted & reviewed 7/11/17; Cut sheets reviewed 10/4/17;
9. LVIP VI Lot 44 We Store Warehouse (BT271) – Pre-construction meeting to be scheduled;
10. 3025 Northampton Street Lateral Installation (BT294) - Lateral location to be staked by developer and escrow established;

## **III. Under Construction**

1. Biondo Tract (BT288) - Plans reviewed (resubmission required); Awaiting Plan Review & Construction Escrows to be established for lateral installation;

- Intent revised from 2-lot subdivision to 1 single family dwelling; Lateral installation completed 5/18/17; Cold patch placed 5/19/17; Temporary paving performed 5/23/17; Permanent paving restoration scheduled for week of 10/9/17; Contractor payment invoice approved;
2. Birchwood Commons (BT191) - 12<sup>th</sup> Street extension to Barbosa Pizza shop completed; Testing to be performed; PENNDOT HOP pre-construction meeting held on-site 9/12/17; Construction of 12<sup>th</sup> St. upstream of MH BC-3 sanitary sewer extension started 9/19/17; 30 day waiting period for this waived; PENNDOT HOP abandonment work & Pizza Shop re-connection to be scheduled;
  3. William Penn Commons (BT261) – Pre-construction meeting held 7/10/12; Shop drawings received; PENNDOT HOP received; Site meeting was held on 12/11/12 with PENNDOT; on-site construction completed 2/8/13; PENNDOT work delayed; Letter issued 5/23/14 re condition of manholes; Meeting with developer, design engineer & BTMA scheduled for 8/27/14; New PENNDOT HOP required;
  4. Madison Farms Phase 1 (BT260) – Construction started June 2014; Pipe sag downstream of MH 63A has been addressed; Building E2 lateral installed; Pipe failure between MH 43 & MH 44 was found and corrected 3/1/16 with satisfactory testing on 4/4/16; Follow-up Final Inspection performed and all field items satisfactorily addressed;
  5. Madison Farms Phase 2 (BT260) - Construction is completed; Emanuel Ct. lateral conflict pre-construction meeting held and construction completed 8/29/16;
  6. Madison Farms Phase 3 (BT260) – Construction completed 9/23/16; Sanitary sewer manhole 49 was slid back (25 ft.) after initial construction at the contractor's request;
  7. Madison Farms Phase 4 (BT260) – Construction started 12/15/16 in Long Dr. easement and continues; Testing for pipe repair segments still required;
  8. Madison Farms Phase 5 (BT260) – Construction anticipated to start soon;
  9. Meyer Lane Apartments (BT139) - Pre-construction meeting held 7/7/16; Revised Final Plans approved; First lateral connected 12/14/16; Second lateral tap-in completed on 12/21/16; Permanent road restoration completed;
  10. 1619 8<sup>th</sup> Street Lateral (BT300) – Minor lawn restoration required in Spring 2017; BTMA contractor to pursue status 7/24/17;

#### **IV. Require As-Built/Testing/Final or Maintenance Inspection**

1. 1880 Chain Dam Road - Requires final paving inspection after curb replacement;
2. 8030 William Penn Highway (BT275) – Pre-construction meeting held 6/30/16; PENNDOT manhole approval received; Construction started January 13, 2017; Testing, flushing & televising completed 3/28/17; As-Built required; Final Inspection performed 3/30/17 & follow-up Final Inspection performed 4/3/17 with work items required; Watertight manhole frame & cover installed on doghouse manhole 5/16/17;
3. Bethlehem Area Vocational Technical School (Haines Property/Skills Hill)(BT258) – Two sets of signed and sealed plans required prior to construction; Pre-construction meeting held 9/11/15; Construction completed 11/18/15; Air pressure testing performed 5/20/16 & mandrel testing performed 12/22/15 & 12/28/15; Manhole vacuum testing completed 11/4/16; Pipe televising performed 9/28/16; Final Inspection performed January 12, 2017 with items to be addressed; Follow-up Final Inspection performed 1/20/17 with all field items satisfactorily addressed; As-Built reviewed (resubmission required);

4. Birchwood Commons (BT191) – Pre-construction meeting held 7/19/12; Additional pre- construction meeting held 7/10/15; Construction started 11/16/15. Tie-in manhole base to be retained and filled with concrete for future BTMA pipe lining project; Partial testing performed 3/23/16; Construction restarted March 21, 2017; Construction completed 4/24/17 & testing can be performed after 5/24/17; Last of pipe testing scheduled for 6/6/17 – manhole testing performed;
5. Charles Chrin Comm. Center of Palmer Twp. - Requires vacuum testing, Final Inspection and As-Builts;
6. CHS Medical Office – LVIP 4 Lot 26B (BT166) – Pending Maintenance Inspection;
7. CVS – Dischinat (BT253) – Apartments sanitary sewer manhole vacuum test completed 5/12/11;  
Final Inspection was performed 5/18/11 with all items satisfactory;  
Maintenance Inspection required;
8. Freemansburg Avenue Corridor (BT276) – Construction & pipe testing completed; All 3 clean-outs now removed from within Freemansburg Ave roadway; Follow-up Final Inspection performed 10/14/15 with no field work items to be addressed; Request for revised as-builts sent 6/9/17; As-builts reviewed (resubmission required);
9. Freemansburg Dental (BT266) - Pre-construction conference held 7/30/14; Meeting w/BTMA & BTMA contractor scheduled for 9/29/14; BTMA contractor installed lateral and monitoring manhole 12/9/14; Manhole vacuum testing was performed 2/18/15; As-builts reviewed & .pdf received; Final Inspection performed 6/25/15; Maintenance Inspection required;
10. Madison Farms Phase 1 (BT260) – Partial mandrel & air pressure pipe testing performed; Manhole vacuum testing performed 4/21/15; Pipe flushing & televising performed 3/24/15; As-builts required; Final Inspection performed 12/13/16; Follow-up final Inspection performed 3/10/17 with all field items satisfactorily addressed – report issued 6/5/17 with field item to be addressed;
11. Madison Farms Phase 2 (BT260) – Testing, flushing & televising performed 11/17/16; As-builts required;
12. Madison Farms Phase 3 (BT260) – Testing, flushing & televising performed 11/17/16; As-builts required;
13. Madison Farms Phase 4 (BT260) – Partial pipe testing performed 4/28/17 & 6/21/17; As-Builts required; Pipe repair between MH 17 & MH 30 addressed 6/9/17; Pipe repair addressed 6/17/17 between MH 16 & MH 17;
14. Maple Shade Estates (BT196) – All air pressure & mandrel pipe testing completed; Manhole vacuum testing remains after base course paving; As-Builts reviewed (resubmission required); Final Inspection performed January 11, 2017 with items to be addressed; Pipe flushing & televising was completed 5/21/14 with items to be addressed; Follow-up Final Inspection performed 3/20/17 with all field items satisfactorily addressed;
15. McDonald's Re-Build – Rt. 191 (BT289) - Pre-construction meeting held 5/1/17; Lateral investigation scheduled for 5/22/17 showed broken pipe; Site meeting with BTMA contractor 5/23/17 to provide price for McDonald's payment; Site meeting 5/31/17 with NCCD, BTMA & contractor, & site manager re E & S requirements; Monitoring manhole installation performed without observation notice; Pipe installation completed 6/12/17; Pipe and manhole testing performed 7/11/17; Final Inspection performed 8/15/17 with field items to be addressed; As-Builts reviewed (resubmission required);
16. Meyer Lane Apartments (BT139) - As-Builts required;
17. Nancy Run Estates Phase 4 (BT207) – Final Inspection required;
18. NCACC Dorm Expansion (BT273) – Issued final certificate 3/3/14; Pre-construction meeting

- held 4/17/14; Construction completed 7/16/14; Pipe air pressure & mandrel testing performed 2/5/15; Manhole vacuum testing performed 3/30/15; Final Inspection was performed on May 13, 2016 with items to be addressed; As-builts received & satisfactory; Follow-up Final Inspection performed 2/7/17 with all field items satisfactorily addressed; Maintenance Inspection required;
19. Negrao (BT105) – City of Bethlehem; As-builts required;
  20. Old Dominion Distribution Center (BT284) – Testing of collector performed 11/22/16; Lateral testing, and flushing & televising of main was satisfactorily completed 12/20/16; Final Inspection performed January 13, 2017 with items to be addressed; Follow-up Final Inspection performed 1/18/17 with all field items satisfactorily addressed; As-Builts reviewed – mylar received; Maintenance Inspection required;
  21. People First Federal Credit Union (BT259) – Construction completed 10/15/14; Testing at 25psi was performed satisfactorily 4/23/15; As-built plans provided; Final Inspection is scheduled for 10/5/17;
  22. St Luke's MOB N (BT111) - Pre-construction meeting held 9/14/15; Construction completed 1/7/16; Pipe air pressure and mandrel testing performed 5/2/16; Manhole testing remains to be performed; ARRO to complete;
  23. Vineyard at Wagner Farms – Phase 8 (BT148) –Reviewed as-builts (mylar to be submitted). Final Inspection performed 11/11/11 and no field work items remain to be addressed; Project close-out pending;
  24. William Penn Commons (BT261) – On-site sanitary sewer testing completed 5/31/13; As-Builts required;

#### **V. As-Built in Progress**

- 1) GIS Updating for BTMA (BT405) –
  - A. LVIP VI Lot 25A – With BTMA staff;
  - B. LVIP VI Lot 9 BGSD – With BTMA staff;
  - C. LVIP VI Flexicon Expansion - With BTMA staff;
  - D. NCACC Dorm Expansion – With BTMA staff;
  - E. Freemansburg Dental - With BTMA staff;

#### **VI. As-Builts Completed, Mylars Received, in GIS**

#### **VII. Miscellaneous**

- 1) Chapter 94 Report (BT400) –
- 2) William Penn Highway/Indiana Street (BT400) – Gravity and LPSS lateral investigation;
- 3) Pump Station No. 4 (BT428) – Final lawn restoration required;
- 4) Farmersville Ct. Sanitary Sewer Extension (BT429) – Project (4410 Farmersville Rd. – Miller) approved at 4/17 BTMA Board meeting; Project is moving forward;
- 5) Joao & Bradley Brodhead Road Lateral (BT430) – Contractor to be Joao & Bradley; Installation to be scheduled; Shop drawings reviewed 3/20/17; Escrow, COI & Indemnification Agreement received 3/31/17; Installation performed 4/7/17 with temp paving; Final pavement restoration still required;
- 6) Bike USA Brodhead Road Lateral (BT431) – Lateral installation by BTMA contractor completed 3/23/17; Temporary pavement restoration completed 3/30/17; Final paving restoration required; Contractor invoice reviewed for payment 4/21/17;
- 7) Easton Avenue Sanitary Sewer Extension (BT432) - Project approved at 4/17 BTMA Board meeting; Project is moving forward;

- 8) Sanitary Sewer Extension behind Post Office (Willow Park Rd) – To be discussed at 6/21/17 BTMA Board meeting; Project is moving forward;
- 9) Misc BTMA Projects (BT400) - Permanent paving restoration at 3926 Greenwood Dr & 1536 Sculac is scheduled for week of 10/9/17;

**VIII. Review Complete – No Field Work**