

BETHLEHEM TOWNSHIP PHYSICAL PLANT AND IT REPORT
BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY
September 2017
September 18, 2017 - REPORT

Pump Station 4

All restoration work has been completed.

Pump Station 6

The new control panel and pumps were installed last month and start-up was successful.

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 General Contractor started pouring footers for columns and should continue through next week. Final subgrade for slab to be graded and trenched for grade beams. Setting of oil interceptor should be completed shortly, and grade beams should be all installed within the next two weeks. Once all concrete work is completed, the building erection should begin. Contractor also restarted installing fire suppression system in existing building, and most of the fire detection and lighting work in the existing structure is complete. The fire service line has been installed inside the building.

Sewage Capacity Reassessment

Nothing new to report this month regarding the status of the major developers and their capacity needs. However, St. Luke's has submitted a request for time extension regarding payment for their capacity, and this should be discussed with the Authority for issuance of a response. Nothing has been heard from Ashley (now PPL).

Sewer Extensions

Earlier this week we received revised survey data for the Easton Avenue extension and we have completed a preliminary design, and have also completed a preliminary draft of specifications and bidding documents for that project. We also received survey data for the Farmersville Rd/Farmersville Ct. extension and are currently working on the design for that project. Planning modules for both projects have been submitted to both the Township Planning Commission and Lehigh Valley Planning Commission for review and comment.

Butztown Post Office Sewer Extension

We have been advised that surveying is complete and we are awaiting the survey data to begin design.

Miscellaneous Paving and Miscellaneous Laterals/Repairs

Both of the current contracts expire at the end of 2017. We have completed draft specifications and bidding documents for both the new Miscellaneous Paving project and for the Miscellaneous Laterals/Repairs project. We are currently awaiting word from the Township on any additional bid items they may want to include. We anticipate advertising for bids in October, receiving bids prior to the November meeting, and executing agreements for the new contracts prior to the end of the year.

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

Stormwater

GPS data points, attributing GIS data fields, and digitizing storm segments for hydraulic analysis by T&M. Cleaned several inlet structures to complete invert data collection. PPIS to complete digitizing by Friday, September 22nd and turn QC to T&M.

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 18th

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.

Installation of Speed Radar Signs

Complete

BTCC

Yard drain scheduled for install September

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, September 4, 2017

I. Under Review

1. 4006 Wm. Penn Highway – Ali Proposed Med Office (BT228) – Reviewed revised Final Plans;
2. 4401 William Penn Highway – Amin (BT247) – Reviewed Layout Plans (no comments);
3. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting held 4/19/17 with developer's engineer ARRO;

4. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required); Lidl US Sketch Plan reviewed (no comments at this time);
5. Green Pond Country Club/TOA PRGCC (BT280) – Plans reviewed by ARRO (resubmission required);
6. Greek Orthodox Annunciation Church (BT286) – Plans reviewed (resubmission required);
7. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
8. LVIP IV Lot 12 Christmas City Distillery (BT400) – Wastewater flow data was reviewed;
9. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
10. LVIP VI Lot 43 (BT255) - Plans reviewed (resubmission required);
11. Keystone Canna (BT305) – Plans reviewed; Supporting documentation required;
12. Mill Creek Corporate Center Ph 1 (BT282) – Plans reviewed by ARRO (resubmission required);
13. MNB Properties Office & Garage (BT306) - Plans reviewed (resubmission required);
14. Nancy Run Estates Ph 7 – 10 (BT 290) – Revised Plans reviewed (resubmission required);
15. PENNDOT Hope Rd Facility Expansion (BT400) – Plans reviewed; flow documentation provided;
16. Rau Lane Residential (BT295) – Plans reviewed (resubmission required);
17. St. Luke's Tower 2 (BT111) – Plans reviewed by ARRO (resubmission required);
18. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
19. Washington Park Estates (BT197) – Plans reviewed;
20. William Penn Highway Twin (BT296) - Plan review on-hold pending BTMA study results;
21. 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;
9. LVIP VI Lot 44 We Store Warehouse (BT271) – Pre-construction meeting to be scheduled;
- 10 Madison Farms Phase 5 (BT260) -
11. 3025 Northampton Street Lateral Installation (BT294) - Lateral location to be staked by developer and escrow established;
12. 1649 Freemansburg Avenue LPSS connection (BT400) – Permits required;

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 required; Contractor payment invoice approved;
2. 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;
 3. 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;
 4. Madison Farms Phase 2 (BT260) - Construction is completed; Emanuel Ct. lateral conflict pre-construction meeting held and construction completed 8/29/16;
 5. 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;
 6. Madison Farms Phase 4 (BT260) – Construction started 12/15/16 in Long Dr. easement and continues; Testing continues;
 7. 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;
 8. 1619 8th 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-Builts 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-Builts 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 still required; PENNDOT HOP issues to be resolved;

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 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; Maintenance Inspection required;
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;
- 5) Chardonay Ct. Sanitary Sewer Extension (BT400) – Project to be discussed as 4/17 BTMA Board meeting; BTMA not pursuing;
- 6) 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;
- 7) 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;
- 8) Easton Avenue Sanitary Sewer Extension (BT432) - Project approved at 4/17 BTMA Board meeting;
- 9) Sanitary Sewer Extension behind Post Office (Willow Park Rd) – To be discussed at 6/21/17 BTMA Board meeting;
- 10) 1649 Freemansburg Ave (BT400) – Private pump station installation inspected 8/28/17;

VIII. Review Complete – No Field Work