

BETHLEHEM TOWNSHIP PHYSICAL PLANT AND IT REPORT
BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY
August 2021

Church Road/Green Pond Road Sewers

On July 29 a final inspection was conducted at Pump Station 12 and on August 2 a punchlist of items needing correction was issued to TOA. It was suggested to TOA by Mr. Hunsberger that a meeting be held at the site with the contractor(s) doing the work to review the punchlist to make sure everyone was aware of what was expected of them. There are also still some manholes within the development that need to be vacuum tested. We have asked the Contractor for a schedule to complete this work.

The leakage test on the wet well was completed on July 9. Start-up of Pump Station 11 occurred on July 13 with representatives of the pump supplier. Settings were adjusted and the station is now online. The generator still needs to be tested and Wind Gap has scheduled the testing for August 12. Curbing has been installed along Church Road in front of the station. On July 29 a substantial completion inspection was conducted at Pump Station 11 and a punchlist has been issued to the contractors. Base paving for the driveway was completed on August 4. The wearing course, fence installation, final grading and seeding of the remainder of the site will then take place. Both Contractors have submitted another Application for Payment.

Letters have been sent out to property owners along Green Pond Road and that portion of Country Club Road that flows toward Green Pond Road advising them that they can now connect to the system. The Contractor has now completed all main line and lateral installation on the remaining portion of Country Club Road and all of Church Road. The Contractor will need to set manholes to final grade and test the remaining lines on Country Club Road and Church Road prior to beginning final paving. Final paving should be completed within the next month. The Contractor has also completed the installation of the storm sewer from the east side of Church Road that connects to the inlet in front of the pump station. The Contractor has submitted his fourth Application for Payment.

Pond View Court Sewer Extension

We have received all the final closeout documents from Wexcon. As soon as the connection by the property owner in the easement area is made, Mr. Hunsberger will have a landscaper complete restoration in that area.

Oakland Road Sewer Extension

The Contractor began construction on July 13 by connecting into the existing manhole on Oakland Road near the intersection with Hecktown Road. A detour is in place daily during working hours. As of this date the Contractor has installed approximately 570 feet of 8" sewer and 2 manholes. Work has been slowed by rock in the area. The Contractor has submitted the first Application for Payment.

Young Sewer Extension

Mr. Hunsberger is waiting for the property owner to execute the easement agreement. The property is currently up for sale and the current property owner wants the new owner to sign the agreement. It is the intent to have Joao & Bradley install the sanitary sewer extension after there is a signed agreement.

Public Works Complex – Electrical upgrade Project

Electrical construction underway, and is being observed by Jim Epler. UGI pad and Gen pad installed, waiting on delivery. Contractor currently working on lighting.

BTCC

Steam Boiler installation Complete – Start-up and final testing to be scheduled.

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

CCTV and Jetting

Active - Jetting and CCTV normal operations.

Housenick mansion

No major work scheduled, routine inspections.

Surveillance System evaluation being conducted for all PS locations based on Annual inspection - ongoing.

Pump Station #3 being evaluated for site improvements; fence replacement, landscaping, and clean-up.

- PPIS Sanitary Sewer Maintenance Team – Switched CCTV system from Flexi data CCTV software to WinCam, in order to update the public sewer field operations. WinCam works with the laser profiler.

Project Description	Status
<p><u>Finance Department Billing Software</u>– To further contemporize the department, Andy is exploring migrating the utility billing package (Harris – Flexi-Bill/Cash Receipts) to a cloud based platform effective with the 2021 budget</p> <p>Data Files have been transferred to Harris, configuration for Cloud Portal is underway, Transition to the cloud is scheduled for end of June 2021</p>	<p>In – Progress</p>
<p><u>Software Analysis</u> –Cyber Security Software. Current tools in place include barracuda email scanning, web browsing scanning tools, firewall security, malware scanning. This analysis is to identify software that will monitor our internal network in the event of a data / AD user breach. Configuration by end of 2020</p> <p>Moving forward to project Implementation under BPO</p>	<p>Software has been Installed & port mirroring has been enabled. System being fine-tuned. Portal is 100% setup.</p>

System is in place and 24/7/365 monitoring is active

Project Completed

Under Review

1. 112 12th Street (BT400) – Plans reviewed (resubmission required);
2. 3022 Garden Apartments (21014) – Plans currently under review;
3. Basile Senior Housing (4023 Oakland Road)(BT156) – Plans reviewed (resubmission required);
4. Birches at Bethlehem (BT315) – Land planning received; Resubmission required; ROC request letter provided;
5. Christine St. & Hay Avenue (BT323) – Plans reviewed (resubmission required); ROC request letter provided;
6. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting held 4/19/17 with developers engineer ARRO;
7. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required); Sketch Plan reviewed (no comments at this time);
8. Grace Church – Bethlehem (21008) – Plans reviewed (land planning required); ROC request letter provided;
9. Greek Orthodox Annunciation Church (BT286) – Plans reviewed; Land planning required before Final Approval;
10. Harvey's Corner (21009) -Plans currently under review; Escrow account remains to be established;
11. Hecktown Road Business Park Lots 6 & 7 (BT317) – Planning items reviewed & plan resubmission is required;
12. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
13. Justice Grown Medical Marijuana Dispensary (BT400) – Wastewater flow data requested;
14. King's View Avenue Medical Office Building (BT308) – Sketch Plan reviewed (no comments); Plan review escrow required;
15. Lehigh Valley Charter Academy (BT316) – Reviewed by ARRO (resubmission required);
16. Lehigh Valley Trade Center III (21016) – Plans currently under review;
17. Lehigh Valley Underground (BT312) – Plans reviewed (resubmission required);
18. Louise Moore Park Maintenance Building (BT400) - Plans currently under review;
19. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
20. LVIP VI Lot 44 Fairfield Inn & Suites (BT314) – Plans reviewed; (plan review escrow required);
21. Meals on Wheels Addition (BT309) – Plans reviewed and wastewater flow data was requested;
22. Members First Federal Credit Union (BT325) – Plans currently under review;
23. Mill Creek Corporate Center/Business Park (BT282) – Plans reviewed by ARRO (resubmission required);
24. MNB Properties Office & Garage (BT306) - Plans reviewed (resubmission required); Comments on hold pending establishment of escrow;
25. Notre Dame High School Auditorium Addition (21000) – Plans reviewed; no comments;
26. Panda Express (Bethlehem Square Shopping Center)(BT400) - Sketch Plan reviewed (no comments at this time);

27. Power Co (21000) – On-going connection discussions; Escrow account to be established;
28. Star Auto Mall (BT327) – Sketch Plan reviewed (no comments at this time);
29. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
30. Lands of Edward Youwakim (21015) – Final Plans reviewed;

II. Pending Construction

1. 4006 Wm. Penn Highway – Ali Proposed Med Office (BT228);
2. American Bank (BT201) – Issued final certificate 6/18/09;
3. Lands of Edward Youwakim (21015) – Issued revised final certificate 4/19/11 and again 7/28/21;
4. Lift-All East, Inc. (BT145) – Connect Monitoring MH to existing lateral;
5. Devine Subdivision (BT252) – Construction escrow required;
6. LVIP VI Lot 43 (BT255) – Final Plans reviewed; Pre-construction meeting held 9/30/18; Shop drawings, escrow & cut sheets required;
7. 3025 Northampton Street Lateral Installation (BT294) - Lateral location to be staked by developer and escrow established;
8. Washington Park Estates (BT197) – Pre-construction conference required; 1 set of Final plans required prior to preconstruction conference;

III. Under Construction

1. 1700 2nd St. & Lindberg Lateral Installation (BT324) – Work completed 10/2; Permanent road restoration required; Lateral installation invoice approved 11/17/20;
2. 4217 Fritch Drive (BT310) – Pre-construction conference held 11/19/19; Monitoring manhole installed 1/21/20; Vacuum test 30 days after frame & cover installed;
3. Green Pond Country Club/TOA PRGCC (BT280) - Pre-construction conference held 8/19/19; Additional sanitary sewer pre-construction conference scheduled for 8/26/19; Construction to start in second half of September; Post-pre-construction coordination meeting held 8/29/19; Scheduled to start 9/30/19; Sanitary sewer shop drawings reviewed; Construction in progress; 30 day test waiting period ends 11/22/19 for gravity system, and ends 12/11/19 for force main; Flushing & televising of loop around club house is performed by BTMA; Pipe and manhole testing (gravity & force main) of loop completed 2/6/20;
4. Pond View Court Sanitary Sewer Extension (21004) – Construction bids received 9/1/20; Pre-construction conference held 9/21/20; PENNDOT HOP received 1/22/21; Construction started 1/19. Site meeting w/PENNDOT scheduled for 2/1/21; Construction on hold pending PENNDOT detour plan approval; Completion of construction expected 4-19-21, with testing and restoration remaining. Site meeting with Wexcon & PENNDOT scheduled for 4-19-21; Road restoration & testing completed; Final Inspection performed 5/20/21 with field items to be addressed; Follow-up Final Inspection performed 6/23/21 with items still to be addressed;
5. 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;
6. Kay River Hill (21005) – Pre-construction conference held 1/13/21; Work scheduled to start end of January 2021; Construction started 6/2/21;

7. Oakland Road Sanitary Sewer Extension (21006) – Pre-construction meeting held 5/25/21; Construction started 7/13/21;
8. Nancy Run Estates Phase 7 – 10 (21002) – Pre-construction meeting held 8/8/19; 2 complete sets of Final Plans received 10/16/19; Anticipated start is Oct/Nov; BTMA TV investigation of 10th Street laterals performed 9/24/19; 10th Street lateral installations performed week of 11/4/19; Construction continues; Pipe air pressure testing in loop performed 5/59/20 & mandrel testing completed 6/2/2020; Manhole testing in Orth & Trythall completed 11/20/20; Air pressure testing outside of loop completed 11/20/20 as well, mandrel testing is remaining; Repair areas testing required; all construction and testing completed by Pidcock;
9. 3103 Roosevelt St. Emergency Repair (21007G) – Repair completed 4/15/21; Lawn & permanent paving restoration still required;

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

1. 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 reviewed & final submission received; 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; Follow-up Final Inspection performed 6/8/18 with field items addressed; Maintenance Inspection performed 3/6/20 - field work items not complete;
2. 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 (mylar or .pdf required) – 2nd request issued 11/5/18; 3rd request issued 1/29/19; As-Built .pdf received 2/7/19; Maintenance Inspection required;
3. Birchwood Commons 21012) – 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; Final Inspection performed 12/13/18 with items to be addressed; As-Builts required - 2nd request issued 1/29/19; Follow-up Final Inspection performed 3/28/19; Follow-up Final Inspection performed again on 5/1/19 with all field work items satisfactory; As-Builts (final electronic version) received 8/23/19;
4. Brodhead Road Distribution Center (BT302) – Pre-construction meeting held 4/25/18; Construction scheduled to start 7/24/18; Shop drawings reviewed 6/22/18; Cut sheet reviewed 8/30/18; Construction agreement & escrow received 9/4/18; Construction completed 11/1/18; Pipe testing performed 2/15/19; Manhole testing & pipe flushing & televising performed satisfactorily 6/4/19; As-Builts required; Final Inspection performed 11/26/19 with field items to be addressed; Follow-up Final Inspection performed 1/7/20 with field items to be addressed; Follow-up Final Inspection performed 2/12/20 with field items satisfactorily addressed;

6. Charles Chrin Comm. Center of Palmer Twp. - Requires vacuum testing, Final Inspection and As-Builts;
7. CHS Medical Office – LVIP 4 Lot 26B (BT166) – Pending Maintenance Inspection;
8. 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;
9. Chipman Rd Sanitary Sewer Extension (20007A) – Work scheduled for late in week of 6/8/20 or week of 6/15/20; Work started 6/15/20; Work expected to be completed week of 6/22/20; Construction completed 6/23/20; Testing can be performed 7/23/20; Sod needs to be placed; Testing performed satisfactorily 7/28/20;
10. 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;
12. LVIP IV Lot 55 & 56 Fresh Pet (BT268) – Lateral installed 9/19/19;
13. LVIP IV Lot 57 Freshpet (21003) – Site meeting held 5/11/18 with BTMA, developer and engineer; Two complete sets of plans received 6/10/19; Pre-construction meeting scheduled for 7/22/19; Cut sheets reviewed 7/18/19; Shop drawings reviewed (additional required); Construction completed 8/14/19; Pipe testing & CCTV completed 8/14/19; Manhole vacuum testing and Final Inspection performed 1/24/20 with field items to be addressed; As-Builts reviewed and require re-submittal; Lateral installed 9/19/19; Follow-up Final Inspection performed 3/6/20 with all field work items satisfactory; 18 month Maintenance Period Inspection due 9/6/21; Maintenance Inspection performed 5/25/21 with field items to be addressed; Follow-up Maintenance Inspection performed 6/22/21 with field items satisfactory but As-builts still required;
14. Madison Farms Phase 1 (21011) – Maintenance Inspection performed 7/12/21 with punch list items to be addressed;
15. Madison Farms Phase 2 (21011) – Maintenance Inspection required;
16. Madison Farms Phase 3 (21011) – Maintenance Inspection performed 7/12/21 with punch list items to be addressed;
17. Madison Farms Phase 4 (21011) – Maintenance Inspection required;
18. Madison Farms Phase 5 (21011) – Maintenance Inspection required;
19. 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); As-Builts requested; 3rd request issued 1/29/19; As-Builts reviewed 3/5/21 (resubmission required);
20. Negrao (BT105) – City of Bethlehem; As-Builts required;
21. 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;
22. 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;
 - F. Freemansburg Avenue Corridor Improvements – With BTMA Staff
 - G. Meyer Lane Apartments – With BTMA Staff
 - H. BAVTS Skills Hill - With BTMA Staff
 - I. Our Lady of Perpetual Help Emergency Repair - With BTMA Staff
 - J. Madison Farms Phase 1 – With BTMA staff
 - K. Madison Farms Phase 3 – With BTMA staff
 - L. 5000 Township Line Road – With BTMA Staff
 - M. Madison Farms Phase 2 – With BTMA staff
 - N. Madison Farms Phase 4 – With BTMA staff
 - O. Madison Farms Phase 5 – With BTMA staff

VI. As-Built Completed, Mylars Received, in GIS

VII. Miscellaneous

- 1) Chapter 94 Report (BT400) –
- 2) William Penn Highway/Indiana Street (BT400) – Gravity and LPSS lateral investigation;

VIII. Review Complete – No Field Work