

## BETHLEHEM TOWNSHIP PHYSICAL PLANT

OCTOBER 2021

### Church Road/Green Pond Road Sewers

There is one remaining item on the mechanical punch list for Pump Station 12 that still needs to be addressed by TOA's subcontractor. The delay is due to equipment delivery problem. Exterior work must still be completed. There are still a few manholes in the development that must be vacuum tested, but TOA's Contractor is currently working on completing them.

The fencing and final grading and seeding around Pump Station 11 have been completed. All construction-related punch list items have been completed by the General Contractor. We are currently working with the General Contractor on closeout including closeout documents, final change orders, as-built mark-ups, etc. There are still issues regarding the gas supply for the emergency generator and the Electrical Contractor is working with UGI to address the problem.

The Contractor began final paving of Green Pond Road, Country Club Road and Church Road on October 5 and will continue with that work until everything is completed. Record Drawings have been completed using the Contractor's as-built mark-ups, and they have been issued to the Authority. The Contractor has submitted a request for additional compensation due to additional trucking costs resulting from hauling of excavated materials off-site. We will be reviewing this request and advising the Authority of our recommendations for any additional payment.

### Pond View Court Sewer Extension

The landscaper has completed all final restoration in the easement areas of both properties and this project is now complete.

### Oakland Road Sewer Extension

The Contractor has completed installation of all the main line and laterals and is currently setting manhole frames and covers to finished grade. The Contractor has also replaced the old storm sewer and related structures. The mains are scheduled to be televised on October 11, after which the Contractor can begin air testing, mandrel testing and vacuum testing of the lines. Once testing is complete, the Contractor can then begin final restoration (paving, grading and seeding of off-road

disturbances, etc.). The Contractor has submitted their third Application for Payment.

#### Misc. Laterals and Misc. Paving

Both the current Misc. Laterals Installation and Misc. Paving contracts expire at the end of the year. We are currently putting together specifications and bidding documents for new contracts for both that will cover all of 2022 and the option to extend to the end of 2023. We request approval from the Authority to advertise for bids when those documents are complete. The intent is to receive bids before the Authority's December meeting.

#### Public Works Complex – Electrical upgrade Project

Larry McCullion & Sons Electrical Contractor Services LLC has completed all garage lighting and is awaiting delivery of transfer switch and generator to install new panels, transfer switch, and generator. Scheduled UGI new meter installation, and tentative planning of PPL cut-over. Generator and transfer switch delayed due to manufacturing backlog, with delivery estimated at four weeks from October 11, 2021. Contractor was granted a 120-day extension due to the delays beyond his control. Change Order #3 for additional mechanics bay lighting presented.

#### BTCC

Steam Boiler installation - Installed.

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@bethlehemtwp.com](mailto:shunsberger@bethlehemtwp.com)

#### CCTV and Jetting

Active - Jetting and CCTV normal operations.

#### Housenick mansion

Cleaned and readied for October scheduled tour.

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.

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

Month of September, 2021

### **I. Under Review**

1. 112 12<sup>th</sup> Street (BT400) – Plans reviewed (resubmission required);
2. 3022 Garden Apartments (21014) – Plans reviewed (resubmission required);
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 (21017) – 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 (plan review agreement required);
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. Panda Express (Bethlehem Square Shopping Center)(BT400) - Sketch Plan reviewed (no comments at this time);
26. Powerco (21013) – On-going connection discussions; Escrow account established; Project meeting held 8/17/21 with developer; Plans reviewed (resubmission required);
27. Star Auto Mall (BT327) – Sketch Plan reviewed (no comments at this time);
28. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
29. 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;
4. Lift-All East, Inc. (BT145) – Connect Monitoring MH to existing lateral;
5. 2830 & 2840 Christine St (Pavlish) Laterals (Christine St & Hay Ave) (21017) -
6. Devine Subdivision (BT252) – Construction escrow required;
7. Grace Church (21008) – Pre-construction meeting was held 8/27/21 ;Construction anticipated to start week of 9/20/21;
8. LVIP VI Lot 43 (BT255) – Final Plans reviewed; Pre-construction meeting held 9/30/18; Shop drawings, escrow & cut sheets required;
9. 3025 Northampton Street Lateral Installation (BT294) - Lateral location to be staked by developer and escrow established;
10. Washington Park Estates (BT197) – Pre-construction conference required; 1 set of Final plans required prior to preconstruction conference;

### **III. Under Construction**

1. 1700 2<sup>nd</sup> St. & Lindberg Lateral Installation (BT324) – Work completed 10/2; Permanent road restoration required; Lateral installation invoice approved 11/17/20;
2. 4217 Fritch Drive (21021) – Pre-construction conference held 11/19/19; Monitoring manhole installed 1/21/20; Vacuum test 30 days after frame & cover installed; Manhole vacuum test performed 9/1/21; Final Inspection field items to be addressed;
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; All field items satisfactorily addressed 8/9/21;
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; Partial pipe air pressure and mandrel testing completed;
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 10<sup>th</sup> Street laterals performed 9/24/19; 10<sup>th</sup> 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) – 2<sup>nd</sup> request issued 11/5/18; 3<sup>rd</sup> 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 - 2<sup>nd</sup> 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; Maintenance Inspection performed 7/30/21 with field items to be addressed:

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;
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. 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;
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. LVIP IV Lot 55 & 56 Fresh Pet (BT268) – Lateral installed 9/19/19;
11. LVIP IV Lot 57 Fresh Pet (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; Electronic version of As-Builts provided 8/31/21;

12. Madison Farms Phase 1 (21011) – Maintenance Inspection performed 7/12/21 with punch list items to be addressed; Follow-up Maintenance Inspection performed 9/1/21 with all field items satisfactorily addressed;
13. Madison Farms Phase 2 (21011) – Maintenance Inspection required;
14. Madison Farms Phase 3 (21011) – Maintenance Inspection performed 7/12/21 with punch list items to be addressed; Follow-up Maintenance Inspection performed 9/1/21 with all field items satisfactorily addressed
15. Madison Farms Phase 4 (21011) – Maintenance Inspection required;
16. Madison Farms Phase 5 (21011) – Maintenance Inspection required;
17. 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; 3<sup>rd</sup> request issued 1/29/19; As-Builts reviewed 3/5/21 (resubmission required);
18. Negrao (BT105) – City of Bethlehem; As-Builts required;
19. 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;
20. 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
  - P. LVIP IV Lot 57 Fresh Pet – 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**