

BETHLEHEM TOWNSHIP PHYSICAL PLANT

DECEMBER 2021

Church Road/Green Pond Road Sewers

There are some control issues that need to be addressed at Pump Station 12 and exterior work must still be completed.

All construction-related punch list items for Pump Station 11 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. The Electrical Contractor relocated the gas regulator as suggested by UGI to address the previous supply problems and another load test was satisfactorily completed on November 11. We are awaiting the load test report, and the Electrical Contractor has one or two minor punch list items to address. We are still awaiting receipt of their as-built mark-ups.

For the Gravity Sewer Installation, Mr. Hunsberger and ARRO met with representatives of PACT to negotiate requested additional costs for trucking and paving material escalation costs. We have prepared a change order to cover those negotiated additional costs. Once the change order is approved, we can begin closing out the project. We have also processed for payment the Contractor's latest Application for Payment that covers the remaining paving quantities not previously included in prior applications.

Oakland Road Sewer Extension

The Contractor began making corrections to manhole frames and covers to address the unevenness of the covers with the frames. However, the work was not done in accordance with instructions, and as a result, the Contractor was instructed to leave the job site and not perform any additional work.

There is nothing more to report in regard to the Contractor's request for additional compensation for rock removal.

Misc. Laterals and Misc. Paving

Bids were received via PennBid for the 2022 Miscellaneous Lateral Installations and the 2022 Miscellaneous Paving. Our bid evaluation and award recommendation letters are included as separate items in the meeting packet.

Act 537 Grant Application

The Act 537 Plan Update grant application was not approved for participation by the Commonwealth Financing Authority. There were significantly more applications for grant money than could be met. We have prepared a Professional Services Agreement for approval by the Authority. The Scope of Services and the Compensation are in accordance with the scope and compensation included in the grant application.

Annual Report and Chapter 94 Reports

We will begin collecting information required for the Annual Report of the Consulting Engineer for 2022, including the annual system inspection, and for the City of Bethlehem and Easton Area Joint Sewer Authority Chapter 94 Questionnaires over the next month or two, with the reports expected to be completed and submitted within the first two months of 2022.

CCTV and Jetting

Active - Jetting and CCTV normal operations.

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

Housenick mansion

Cleaned and readied for October scheduled tour. Scheduled gutter cleaning.

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.

Month of December, 2021

I. Under Review

1. 112 12th 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. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting held 4/19/17 with developers engineer ARRO;
6. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required); Sketch Plan reviewed (no comments at this time);
7. Greek Orthodox Annunciation Church (BT286) – Plans reviewed; Land planning required before Final Approval;
8. Harvey’s Corner (21009) - Escrow account has been established; Plans reviewed (resubmission required);
9. Hecktown Road Business Park Lots 6 & 7 (BT317) – Planning items reviewed & plan resubmission is required;
10. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
11. Justice Grown Medical Marijuana Dispensary (BT400) – Wastewater flow data requested;
12. King’s View Avenue Medical Office Building (BT308) – Sketch Plan reviewed (no comments); Plan review escrow required;
13. Lehigh Valley Charter Academy (BT316) – Reviewed by ARRO (resubmission required);
14. Lehigh Valley Trade Center III (21016) – Plans reviewed (resubmission required);
15. Lehigh Valley Underground (BT312) – Plans reviewed (resubmission required);
16. Louise Moore Park Maintenance Building (BT400) - Plans currently under review;
17. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
18. LVIP VI Lot 44 Fairfield Inn & Suites (21022) – Plans reviewed (resubmission required);
19. Meals on Wheels Addition (BT309) – Plans reviewed and wastewater flow data was requested;

20. Members First Federal Credit Union (21024) – Plans reviewed (resubmission required);
21. Penn Center 33 (21023) – Plans reviewed (resubmission required);
22. MNB Properties Office & Garage (BT306) - Plans reviewed (resubmission required); Comments on hold pending establishment of escrow;
23. Panda Express (Bethlehem Square Shopping Center)(BT400) - Sketch Plan reviewed (no comments at this time);
24. Powerco (21013) – On-going connection discussions; Escrow account established; Project meeting held 8/17/21 with developer; Plans reviewed (resubmission required);
25. Star Auto Mall (BT327) – Sketch Plan reviewed (no comments at this time);
26. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
27. 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. Devine Subdivision (BT252) – Construction escrow required;
6. Grace Church (21008) – Pre-construction meeting was held 8/27/21; Construction anticipated to start week of 9/20/21; DEP Land Planning approval obtained;
7. LVIP VI Lot 43 (BT255) – Final Plans reviewed; Pre-construction meeting held 9/30/18; Shop drawings, escrow & cut sheets required;
8. 3025 Northampton Street Lateral Installation (BT294) - Lateral location to be staked by developer and escrow established;
9. 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 (21020) – Work completed 10/2; Permanent road restoration performed 11/17/21; Lateral installation invoice approved 11/17/20; Paving invoice approved 11/29/21;
2. 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;

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. 3103 Roosevelt St. Emergency Repair (21019) – Repair completed 4/15/21; Permanent road paving restoration performed 11/17/21; Paving invoice approved 11/29/21;

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

1. 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; Follow-up Final Inspection performed 10/8 & 22/21 and all field items addressed; As-Builts required;
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 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;
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 (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;
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. Kay River Hill (21005) – Pre-construction conference held 1/13/21; Work scheduled to start end of January 2021; Construction started 6/2/21; Pipe air pressure and mandrel testing completed 11/30/21; Construction completed 10/22/21; Manhole vacuum testing is ongoing;
 11. LVIP IV Lot 55 & 56 Fresh Pet (BT268) – Lateral installed 9/19/19;
 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 performed 10/27/21 with field items to be addressed;
 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; 3rd request issued 1/29/19; As-Builts reviewed 3/5/21 (resubmission required);
 18. Nancy Run Estates Phase 7 – 10 (21002) – 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;
 19. Negrao (BT105) – City of Bethlehem; As-Builts required;
 20. Oakland Road Sanitary Sewer Extension (21006) – Pre-construction meeting held 5/25/21; Construction started 7/13/21; Construction completed with paving and lawn restoration still required; Permanent trench paving restoration completed 11/16/21; Manhole frame and cover replacement by Joao & Bradley is scheduled for 12/2/21;
 21. Pond View Court Sanitary Sewer Extension (21004) – Follow-up Final Inspection performed with all field items satisfactorily addressed 8/9/21; Maintenance Inspection required;
 22. 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;

23. 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 –

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;

VIII. Review Complete – No Field Work