

## January 2022 Bethlehem Township PPIS Report



### Church Road/Green Pond Road Sewers

No change on the status of Pump Station 12. There are some control issues that need to be addressed and exterior work must still be completed.

The General Contractor for Pump Station 11 has submitted all their required closeout documents including Consent of Surety to Final Payment, Release of Liens from suppliers/subcontractors and their final Application for Payment, which we are recommending for approval by the Authority. The Electrical Contractor still has one or two minor punch list items to address in addition to their project closeout documents. We are working with them to get those items addressed as soon as possible.

For the Gravity Sewer Installation, PACT One LLC has submitted all their required project closeout documents including Consent of Surety to Final Payment, Releases of Liens from their suppliers/subcontractors and their final Application for Payment, which we are recommending for approval by the Authority.

### Oakland Road Sewer Extension

The Contractor has submitted a set of marked-up red-line as-built drawings and we are currently working on preparing the Record Drawings. There is one item on the mark-ups that requires clarification, but we have not yet received a response from the Contractor.

### Misc. Laterals and Misc. Paving

For the 2022 Misc. Laterals contract, we submitted a Notice of Intent to Award to Joao & Bradley Construction Co., Inc. on December 9 and have received their executed Agreement, Bonds and Certificate of Insurance. We found the documents to be in order, the Solicitor has reviewed the bonds and found them to be satisfactory, and we have sent the Agreements to the Authority for execution by the appropriate officers.

For the 2022 Misc. Paving contract, we submitted a Notice of Intent to Award to Schuylkill Paving, Inc. on December 9 and have received their executed Agreement, Bonds and Certificate of Insurance. We found the documents to be in order, the Solicitor has reviewed the bonds and found them to be satisfactory, and

we have sent the Agreements to the Authority for execution by the appropriate officers. The Agreements also need to be executed by the Township, since this is a joint Contract with them.

#### Annual Report and Chapter 94 Reports

We began working on the Annual Report of the Consulting Engineer for 2021 using information provided to date from the Township and Authority staff. We are still awaiting some information, but anticipate completing the report by the end of the month. On December 22 we made an inspection of the pump stations, and for the most part, things were in good condition. A list of items recommended for repair and/or replacement will be included in the report, and a list has already been provided to Mr. Hunsberger.

We have not yet received the Chapter 94 Questionnaires from either the City of Bethlehem or Easton Area Joint Sewer Authority. However, a lot of the information provided to date for the Annual Report will be used to complete those questionnaires.

#### Tapping Fee Updates

Since the Oakland Road sewer extension has been completed and ready for connection, there is a need to establish a tapping fee for that area and a new Sewer District. We have begun to update the 2021 Tapping Fee Calculations using the January 2022 ENR Construction Cost Index. We will also update the fee calculations for all the other Sewer Districts. Where previous calculations were based on bidding costs, we will update those calculations using final construction costs, where available. We anticipate having the updated Tapping Fee Calculations and a new Tapping Fee Resolution completed and ready for discussion at the February Authority meeting.

File Bound Scanning Project Phase 2 – Project is underway with Berk- One, manifest has been created, files have been picked up and scanning has begun. Phase 3 is planned for early 2022, which will include the previous 10 years prior. Once completed all Zoning Hearing Board documents/projects will be accessible online.

ICC – International Code Council Code - Update 2018– Currently Community Development staff is utilizing 2009 and 2015 ICC digital code network resource, plan to adopt the 2018 ICC digital code package for early February 2022

Multi-Factor Authentication – MFA, currently working on logistics and deployment of MFA for the township network. MFA will provide another layer of security for logging into Township systems, including remote cloud services. Deployment is being discussed for early March 2022

Website Re-Development – Township staff will be working together to begin the process of a complete overhaul, rebuilding of bethlehemtownship.org website. Input from all departments, BOC, staff, and vendors will be part of the redevelopment of the site. More news to follow - Release date Fall 2022

Police VPN – Net Motion – Police MDT connectivity has begun to suffer with the release of partial 5G coverage, and Sierra Wireless imbedded cards in the MDT. Static IP addressing has not worked, firmware updates to the MDT cards has not worked. Net Motion has a solution that greatly reduces packet loss and signal drops when moving between towers. Project is just in discussions at this point, meeting with vendors and compiling data. More news to follow

Police WatchGuard Server – New server has been received and configured for use, more storage space, and compliant Server version MS2019. Old server is still being utilized offline for retrieval of past incidents when required. All MDT were updated with new client software/firmware, tested and working properly

Finance - Harris Billing Software Cloud Migration – Software has been migrated to Remote Cloud environment, all clients have been configured with Citrix desktop login's, tested and set up with proper security, installed mapped network folders for onsite data retrieval, installed and tested all print functionality. Both Invoice Cloud and Harris Billing Flexi-Data, Cash Receipts are now cloud based systems

Cyber Security – Alien Vault – System is up and running, monitoring 24/7/365 for network intrusions, malware, and malicious attacks. This system is critical in protecting the township network infrastructure and file systems.

Cloud based AVAST Antivirus – System continues to run and monitor all end user network devices, approximately 80 end user devices are being scanned for root-kits, malware, trojans, and any other malicious attacks to the end user device. This is another layer in the Network Security system.

I-Boss Filtering and Reporting – System is On-premise and consists of 2 devices, 1 for filtering and 1 for reporting all Internet activity, also includes Fire-sphere which scans all websites for malicious content, Internal units are end of life this March 2022. Currently working with vendor on solution moving forward, either update internal units or move to cloud based system that works directly with our Forti-Net Firewall, port specific. More news to follow

Execution of all documents between Bethlehem Township and the BTMA regarding inclusion of stormwater Authority.

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

### Housenick mansion

Routine Inspections weekly.

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

Month of January, 2022

### **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. 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) – Final Plans reviewed;
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. LVIP VI Lot 44 Fairfield Inn & Suites (21022) – Escrow to be established prior to scheduling lateral installation with Joao & Bradley;
7. Grace Church (21008) – Pre-construction meeting was held 8/27/21; Construction anticipated to start week of 1/3/22; DEP Land Planning approval obtained;
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. 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;
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;

#### **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) – 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;

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 temporary and Final completed 12/9/21; Pipe flushing and TV performed week of 12/20/21;

11. 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;
12. Madison Farms Phase 2 (21011) – Maintenance Inspection performed 12/13/21 with punch list items to be addressed; Follow-up Maintenance Inspection performed 12/20/21 with all field items satisfactorily addressed;
13. 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;
14. Madison Farms Phase 4 (21011) – Maintenance Inspection performed 10/27/21 with field items to be addressed; Follow-up Maintenance Inspection performed 12/20/21 with all field items satisfactorily addressed;
15. Madison Farms Phase 5 (21011) – Maintenance Inspection required;
16. 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. 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 completed;

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**

