

**BETHLEHEM TOWNSHIP PHYSICAL PLANT AND IT REPORT
BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY
September 2020**

BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY

Church Road/Green Pond Road Sewers

Work continues with TOA installing sewers within the subdivision. Work continues on Pump Station 12, including the installation of electrical equipment and panels.

LB Industries has installed the wet well, as well as the terminal manhole on the property and the sewer between that manhole and the wet well. During the next few weeks they will complete backfilling of the wet well, installation of the force main on site, and begin the footers for the building. The current schedule shows the station ready for service in late October/early November. They have submitted another Application for Payment covering the wet well installation and the sanitary sewer and manhole.

We are currently doing a final in-house Q/A review on the plans, specifications and bidding documents for the proposed sewers on Green Pond Road, Country Club Road and Church Road. We are requesting approval to advertise for bids most likely later this month, with bids to be received in late October or early November. Based on recent bid prices, this appears to be a good time frame for bidding.

The Commonwealth Financing Authority met on August 17, but the Authority did not receive any grant funding for the sanitary sewers in this area. We did have a virtual meeting with the financing people on August 20, and they will be making a presentation to the Authority of proposed financing for the project in October.

Northeast Trunk Sewer

No flow data is available as yet for August. We hope to have some data prior to the Authority meeting. Rainfall in August was almost 10", with one day of over 4.5". It will be interesting to see how flows were during the heavy rain in early August.

Chipman Road Sewer Extension

The Contractor came back to the site and filled in settlement areas, added topsoil and seeding. Final payment has been made and the contract is now complete. The Contractor has a one-year maintenance period in the event of any problems.

Pond View Court Sewer Extension

We received 8 bids via PennBid on September 1. The lowest bidder was Wexcon, Inc. in the amount of \$423,704.00, which was below our cost opinion of between \$450,000 and \$500,000. (This is one reason why we mentioned above about it being a good time for bidding). A copy of our bid evaluation and recommendation should be included in your meeting packet along with a complete bid tabulation. We are requesting approval to issue a Notice of Intent to Award to Wexcon, Inc.

Mr. Hunsberger has made payment offers to the two property owners where right-of-way is required.

We are still awaiting the Highway Occupancy Permit from PADOT for Green Pond Road. The application was re-submitted, addressing PADOT's comments, last month. We have requested an expedited review so that we can begin construction as soon as Wexcon submits the required Contract Documents.

On August 17, the Authority was awarded a grant in excess of \$383,000, which will reimburse the Authority for 85% of the project costs. Based upon the lowest bid, there should be money available to reimburse some of the soft costs as well as the entire construction cost.

Oakland Road Sewer Extension

We were working on finalizing the specifications and bidding documents for the project. However, we have now turned all our efforts to finalizing the Green Pond Road, Country Club Road, Church Road project due to the relatively large dollar value and the expected lower bid prices at this time. We still anticipate bidding this project before the end of the year, most likely receiving bids in early December.

Easton Avenue 2-lot Sewer Extension

The construction work on this project has been completed.

Palmer Township, Bethlehem Township Intermunicipal Sewer Service Agreement: Complete and executed.

Public Works Complex – Electrical upgrade Project
Engineering analysis underway, site assessment complete.

BTCC

Steam Boiler replacement quoting being performed.

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

Stormwater

A deteriorating drainage pipe on Oakland Road, including an inlet to be replaced as part of the BTMA public sewer extension.

CCTV and Jetting

Active - Jetting and CCTV normal operations.

Electrical Conservation, Traffic Control and Lighting

Green-light-go Grant PADOT application filed – Grant awards withdrawn due to lack of funding

Housenick mansion

No major work scheduled. Security system repair being performed.

Information Services

Project Description	Status
<u>Single Label Domain</u> – Rebuild entire domain from single BTBOCD to New Domain AD.Bethlehemtwp.org	Completed
<u>Firewall Upgrade</u> from Cisco 5512x to Dual Fortinet FWF-61E Installed, tested, added 3 year maintenance	Completed
<u>Office Suite</u> - 2010 migration to Office 2019	Completed
<u>Exchange Server</u> - 2010 Migration to MS Exchange Cloud	Completed
<u>Microsoft Navision</u> on-Premise to Microsoft Cloud Dynamics Hosted	Completed
<u>Rec-Trac Database</u> Migration version 10.3 to 3.1 on premise Web-Trac version 10.3 to 3.1 cloud BTCC Director submitted for Grant approval to move on premise software to hosted cloud solution (In-progress) to date no approval has been received. Grant has been received however; we are not able to get competitive quotes from other vendors as this is proprietary software, so we are trying to figure out options to comply with the requirements of the grant	Completed Updated
<u>ANTIVIRUS</u> -Symantec Antivirus Migration to AVAST Cloud Portal	Completed
<u>Barracuda</u> on Premise Email Security Migration to Cloud Portal	Completed

Firewall Ports configured, tested, mail redirected from on Premise Server to flow into cloud security & MS 365	
<u>Network on premise Servers</u> - Citrix 2 – Mail01- NAV-SQL Servers are being reconfigured as Back-up servers in the event of on premise failures. Units will be reconfigured / renamed in the new AD.BETHLEHEMTWP.ORG Domain	In - Progress
<u>Virtual Server</u> - Mail02 in the new domain has been retired due to redirect of on premise mail to cloud host MS365	Completed
<u>Workstation Upgrades</u> - Windows 7 Pro to Windows 10 Pro 54 Units configured / added to domain	Completed
<u>Police Department</u> – Repair to 2 Damaged Laptops both Screen Needed to be replaced	Completed
<u>Finance Department Repair</u> – Replace Failed SSD Drive in workstation Reloaded Windows 10 pro, installed all proper applications	Completed
<u>New Primary Domain Controller</u> – New Server & all parts have Arrived, Unit is built & ready for Configuration. This unit will become the new PDC for the Domain - Sentinel 2 will be replaced as the PDC and DNS Server. Working with vendor on final configuration/roles/etc., Vendor to start work week of September 14 th	In – Progress Updated
<u>Finance Department Banking</u> – Is utilizing a Remote Deposit Capture Device (Check Scanning) Scanning of Checks will replace having to Courier Checks to the Bank, this will	In – Progress Updated

<p>free up police time. Testing in Finance and Andy will consider this service for BTCC in future as well, to date testing is going well and check deposits are now being scanned directly to the bank on a daily basis</p>	
<p><u>Finance Department Software</u> – SERENIC/Microsoft has notified Andy</p> <p>That we must be partnered with a certified partner by October 2020, our current KNK partner will no longer be certified by SERENIC. Andy has done diligence in securing a new certified partner, INTELICE Solutions, LLC. Andy will be submitting a motion to approve a Professional Services Agreement at an upcoming BOC meeting. Software migration has been approved, Andy Freda & I are working through the project steps with the vendor, we are hoping to transition by end of Sept 2020</p>	<p>In – Progress Updated</p>
<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>In – Progress</p>
<p><u>Trane HVAC Controls</u> – working directly with Technician to migrate host machines at MB/BTCC to Windows 10 Pro (TWP Provided) from XP Pro, migration includes updating version Tracer Summit 16 to version 17 that is compatible with Windows 10, this is the last stop gap for control of HVAC units.</p>	<p>In – Progress Completed</p>
<p><u>Trane HVAC Control Upgrade/Chiller Replacement</u> - Evaluating HVAC control upgrades in sync with Chiller Upgrade. Trane will provide cost to replace current 90T Chiller unit. Upgrade Tracer Controls, and also</p>	<p>In – Progress Updated</p>

<p>provide a quote for Emergency System Back-up in the event the Chiller fails. We have secured estimated pricing for replacement of chiller and controls, will submit into the Capital Budget for 2021, will suggest financing the project over 5 years</p>	
<p><u>Software Analysis</u> – IT Staff is currently investigating internal software options for Cyber Security Breaches. 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. Currently working with INFRADapt and Steal-bits. Will continue researching best option for Twp Network Security. Waiting on Final Quote from Alien Vault, will be submitted to BOC for possible approval by October 2020, with Setup – Configuration by end of 2020</p>	<p>In – Progress Updated</p>
<p><u>Zoom Virtual Meetings</u> – IT Director Steve Hunsberger has worked to secure all virtual meetings to protect zoom bombing, so far we have had several meetings with no incidents. Overall since initial implementation we have hosted dozens of meetings with only 1 incident. Steve has provided more staff with training/hosting permissions to provide meetings now for Recreation, BTCC online classes, Planning, Zoning, & Construction, Fire Relations Committee. Zoning officer Matt Lubitz, Director Raudenbush, Township Manager Doug Bruce, and Public Works, Rich Kanaskie are all being trained to schedule and host their own meetings. Support for meetings is being provided by Steve Hunsberger & Matt Miranda.</p>	<p>In - Progress</p>

<p><u>Audio Recording of BOC Meetings -</u> When the Township returns to normal operations and in person meetings resume, we will have the ability to record all live meetings for Audio (Not Video) and post each meeting to our website. This will give interested parties the opportunity to listen to the meetings at any time. In the future we can also add in any other public meetings and post them as well. Zoning Hearing, Parks & Recreation, etc. All equipment has been installed & tested to accommodate the recordings of the meetings. Web page has been completed.</p>	<p>Completed Updated</p>
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- PPIS Sanitary Sewer Maintenance Team – Pending - evaluating switching Flexi data CCTV software to WinCam, in order to update the public sewer field operations, and WinCam appears to offer a much more appropriate approach to entire public sewer system maintenance. Basically, as the team progresses through a designated sewer shed, they will not leave it until; lines are

Status of Bethlehem Township Municipal Authority Projects

Week of Monday, September 7, 2020

I. Under Review

1. 1926 7th Street (BT400) – Plan reviewed (no comments):
2. 2112 12th Street (BT400) – Plans reviewed (resubmission required);
3. 3022 Place (BT321) - Sketch plan reviewed (no comments);
4. Basile Senior Housing (4023 Oakland Road)(BT156) – Plans reviewed (resubmission required);
5. Birches at Bethlehem (BT315) – Land planning required before Final Approval;
6. Christine St. & Hay Avenue (BT323) – Plans reviewed (resubmission required):
7. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting held 4/19/17 with developers engineer ARRO;

8. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required); Sketch Plan reviewed (no comments at this time);
9. Grace Church – Bethlehem (BT322) – Plans reviewed (resubmission required);
10. Greek Orthodox Annunciation Church (BT286) – Plans reviewed; Land planning required before Final Approval;
11. Harvey’s Corner (BT320) - Sketch plan reviewed (no comments);
12. Hecktown Road Business Park Lots 6 & 7 (BT317) – Planning items reviewed & plan resubmission is required;
13. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
14. Justice Grown Medical Marijuana Dispensary (BT400) – Wastewater flow data requested;
15. King’s View Avenue Medical Office Building (BT308) – Sketch Plan reviewed (no comments); Plan review escrow required;
16. Lehigh Valley Underground (BT312) – Plans reviewed (resubmission required);
17. Louise Moore Park Maintenance Building (BT400) - Plans currently under review;
18. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
19. LVIP VI Lot 44 Fairfield Inn & Suites (BT314) – Plans reviewed; (plan review escrow required);
20. Meals on Wheels Addition (BT309) – Plans reviewed and wastewater flow data was requested;
21. Mill Creek Corporate Center Ph 1 (BT282) – Plans reviewed by ARRO (resubmission required);
22. MNB Properties Office & Garage (BT306) - Plans reviewed (resubmission required); Comments on hold pending establishment of escrow;
23. Notre Dame High School Auditorium Addition (BT400) – Wastewater flow data requested;
24. Panda Express (Bethlehem Square Shopping Center)(BT400) - Sketch Plan reviewed (no comments at this time);
25. River Hill Estates (BT313) – Plans reviewed (resubmission required); Land planning required before Final Approval;
26. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);

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 (BT151) – Issued revised final certificate 4/19/11; Escrow again requested 7/11/11;
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. Pond View Court Sanitary Sewer Extension (19007E) – Construction bids received 9/1/20;
9. Washington Park Estates (BT197) – Pre-construction conference required; 1 set of Final plans required prior to preconstruction conference;

III. Under Construction

1. 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;
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. Nancy Run Estates Phase 7 – 10 (BT290) – 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 & mandrell testing completed 6/2/2020; Manhole testing scheduled for 7/2/20 as well as easement pipe testing;

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

1. 5000 Township Line Road (BT311) – 2 sets of plans required; Pre-construction conference held 2/7/19; Construction to start week of 2/18/19; Plan revisions required due to gas conflict; Construction started 3/18/19; Construction completed 3/29/19; Pipe testing performed 6/18/19; Manhole testing required after 4/29/19; Permanent paving restoration performed 6/21/19 (street & driveway); As-Builts satisfactory & electronic version received; Final Inspection performed 10/11/19 with items to be addressed; Follow-up Final Inspection performed 11/27/19 with items to be addressed; Maintenance Period started 12/4/19 and ends 6/4/21 (schedule Maintenance Inspection 5/4/21);
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. 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 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;
5. 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;
 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. Easton Avenue Sanitary Sewer Extension (20007B) – Site meeting w/contractor & BTMA staff held on 5/59/20; Plan revisions required; PP&L fee for holding pole waived & is scheduling work- could be performed in July 2020; Construction started 8/19/20 with PP&L to hold pole 8/20/20; Construction completed 8/20/20; Manhole test required after 9/20/20; Restoration required;
 11. 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 (BT298) – 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 required; 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;

14. 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; 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; Revised As-Builts satisfactory & electronic final version for GIS received 6/11/19; Follow-up Final Inspection performed 12/9/19 with all field work items satisfactorily addressed; Maintenance Inspection required;
15. Madison Farms Phase 2 (BT260) – Testing, flushing & televising performed 11/17/16; As-Builts reviewed (PDF received 10/17/19); Final Inspection performed 12/9/19 with field work items to be addressed; Follow-up Final Inspection performed 5/7/20 with all field work items satisfactorily addressed; Maintenance Inspection required;
16. Madison Farms Phase 3 (BT260) – Testing, flushing & televising performed 11/17/16; As-Builts requested; Revised As-Builts satisfactory and electronic version received 7/2/19; Final Inspection performed 12/9/19 with all field work items satisfactorily addressed; Maintenance Inspection required;
17. 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; As-Builts reviewed (PDF received 10/17/19); Final Inspection performed 12/9/19 with field work items to be addressed; Follow-up Final Inspection performed 5/7/20 with all field work items satisfactorily addressed; Maintenance Inspection required; TV & flushing reported 7/1/20 by BTMA as complete;
18. Madison Farms Phase 5 (BT260) – Pipe testing performed 2/6/18; As-Builts required; Manhole testing performed 9/12/18; As-Builts reviewed; Signed & sealed PDF requested 11/18/19; Revised As-Builts satisfactory and electronic version received 11/19/19; Final Inspection required; TV & flushing reported 7/1/20 by BTMA as complete; Follow-up Final Inspection

performed 8/26/20 with all field items satisfactorily addressed;
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;
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-Builts Completed, Mylars Received, in GIS

VII. Miscellaneous

- 1) Chapter 94 Report (BT400) – Provided to BTMA staff 1/3/20;

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

VIII. Review Complete – No Field Work