

BETHLEHEM TOWNSHIP PHYSICAL PLANT AND IT REPORT
BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY
December 2016
December 15, 2016 REPORT

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

Pump Station #6

New control system in design. BTMA Financed

Pump Station #4 and #5

Drywell entry tubes and piping painting complete.

Pump Stations #4, #9

Gate valve replaced. Paving of driveway's complete. PS#9 Magnetic flow meter epoxy coated complete. Calibration and start-up complete. BTMA financed. Final restoration at both locations Spring.

Tusketee Drive

Complete. BTMA finance.

Easton Avenue Extension

Pending spring 2017. BTMA/Developer Financed.

Miscellaneous Laterals and Miscellaneous Paving

Lateral installations occurring as needed by RGC Construction as per contract.

Annual Report 2016

Started

Annual System Inspection 2016

Scheduled

Asbestos Cement Pipe Lining Schedule 2017

Preparation for 2017 lining schedule started. BTMA finance approx. \$150,000.00 pledged.

Millstone PUD and Windswept C/O Service Access:

Lateral clean-out installation delayed until anticipated HP Jetting truck replacement in 2017 (include hydra-excavation equipment). Anticipate project start fall 2017. Also will begin 2017 Lining schedule identification early fall 2016. BTMA finance

Information note;

Sacrificial Anodes will be installed by PPIS via the use of a well driller, and then narrow cable paths will be trenched to connect the anodes to the steel structures and test boxes. The anodes are highly active metals that are used to prevent a less active material surface from corroding. Sacrificial Anodes are created from a metal alloy with a more negative electrochemical potential than the other metal it will be used to protect. The sacrificial anode will be consumed in place of the metal it is protecting, which is why it is referred to as a "sacrificial" anode.

Electrical Conservation (all locations) and Police Car-Port Project:

In Progress: LED Migration in progress – Indoor pool lighting on hold until roof repairs are made.

Completed: Car-port.

Geographic Information System (GIS), Stormwater Program –

In Progress: Stormwater point data collection in progress, LiDAR and orthophotography flights completed. Sample FEMA data arriving soon, William Penn Highway LiDAR and 1' contour deliverable shortly. Final LiDAR deliverable early 2017.

Municipal Building Decorative Fountain

Refurbish complete. Protective barrier on order.

Back-flow preventer devises - Municipal Park North 40

Complete.

PPIS Facility expansion Project:

- Final structural design complete.
- Pending - Board and Authority Memorandum of Understanding.
- BTMA Engineer and Solicitors (Township/Authority) to review final bid documents.
- Bidding anticipated for February 2017, construction to begin in April, with completion by end of July 2017.

Equipment Delivery:

BTMA purchased 4 wheels drive off-road jetting unit as back-up to combo unit, and begin off-road jetting program of 67,000 ft. of various pipeline sizes. Delivery anticipated update January 2017, off-road program to begin early spring 2017.

Major Extension Projects:

BTMA evaluating Church Road/Green Pond Road, and Country Club Road regional sewer project as part of the TOA and Millcreek subdivisions development. BTMA seeking grant funding (maximum increased to \$1M) for construction of regional and secondary PS to serve area.

Technology:

CODY Systems for Police – In progress.

Watch Guard Body Cams – Completed.

BTCC "Public" Wireless Upgrade - New Configuration/Design completed, submitting PO to purchase equipment. Installation for early 2017.

Significant interior repair and painting of facility completed. Preparing for 2017 budgeted interior improvements.

Invoice Cloud for Finance Division, PPIS completed.

Note worthy:

Easton Avenue connection modification project (currently serves three homes on one service) – On hold

Fuel Pump permitting underway. L&I delays due to permitting backlog.

Nancy Run CMU Project - Complete.

Township approved Mutual Aid Agreement with Palmer Township, Complete

Awaiting State review of newly developed ward mapping.

Started capital budget, five year plan, and operations budget 2017.

Week of Monday, September 19, 2016

I. Under Review

1. 4006 Wm. Penn Highway – Ali Proposed Med Office (BT228) – Reviewed revised Final Plans;
2. 4401 William Penn Highway – Amin (BT247) – Reviewed Layout Plans (no comments);
3. Backstage Library Addition (BT400) – Plans currently under review;
4. Biondo Tract (BT288) - Plans reviewed (resubmission required); Awaiting Plan Review Escrow to be established;
5. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required);
6. Goddard School Annex (BT208) - Plans reviewed (no comments);

7. Green Pond Country Club/TOA PRGCC (BT280) – Plans reviewed by ARRO (resubmission required);
8. Greek Orthodox Annunciation Church (BT286) – Plans currently under review; Awaiting escrow deposit;
9. Hope Road Commercial Development (BT277) – Concept plan reviewed (no comments);
10. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
11. LVIP IV Fresh Pet Innovations (BT298) - Plans reviewed (resubmission required);
12. LVIP VI Lot 43 (BT255) - Plans reviewed (resubmission required);
13. Madison Farms Ph 2 and Ph 3 (BT260) - Plans reviewed by ARRO (resubmission required);
14. McDonald's Re-Build – Rt 191 (BT289) - Plans reviewed (resubmission required); Plan Review Escrow was received 6/2/16;
15. Meyer Lane Apartments (BT139) – Revised Final plans reviewed;
16. Mill Creek Corporate Center Ph 1 (BT282) – Plans reviewed by ARRO (resubmission required);
17. Nancy Run Estates Ph 7 – 10 (BT 290) - Plans currently under review; Awaiting Plan Review Agreement to be *provided*;
18. Ofchus/Kovacs (BT400) – No further action at this time;
19. PENNDOT Hope Rd Facility Expansion (BT400) – Plans reviewed; flow documentation provided;
20. Rau Lane Residential (BT295) – Plans reviewed (resubmission required);
21. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
22. Washington Park Estates (BT197) – Plans reviewed;
23. William Penn Highway Twin (BT296) - Plan review on-hold pending BTMA study results;
24. Willow Park Self Storage (BT227) –Reviewed plans;
25. Zeitner Subdivision (BT287) – Plans reviewed (resubmission required);

II. Pending Construction

1. 4006 Wm. Penn Highway – Ali Proposed Med Office (BT228)
2. 8030 William Penn Highway (BT275) – Two sets of Final Plans required prior to construction; pre-construction meeting held 6/30/16;
3. American Bank (BT201) – Issued final certificate 6/18/09;
4. Lands of Edward Youwakim (BT151) – Issued revised final certificate 4/19/11; Escrow again requested 7/11/11;

5. Lift-All East, Inc. (BT145) – Connect Monitoring MH to existing lateral;
6. Devine Subdivision (BT252) – Construction escrow required;
7. LVIP VI Lot 44 We Store Warehouse (BT271) – Pre-construction meeting to be scheduled;
8. Meyer Lane Apartments (BT139) - Pre-construction meeting held 7/7/16; 2 sets of plans required prior to construction; Revised Final Plans approved;
9. 3025 Northampton Street Lateral Installation (BT294) - Lateral location to be staked by developer and escrow established;

III. Under Construction

1. 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;
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. Madison Farms (BT260) – Construction started June 2014; Pipe sag downstream of MH 63A has been addressed; Building E2 lateral installed; Pipe failure between MH 43 & MH 44 was found and corrected 3/1/16 with satisfactory testing on 4/4/16; Phase 2 construction is underway; Ph 2 lateral conflict pre-construction meeting held and construction completed 8/29/16;
5. Old Dominion Distribution Center (BT284) - Pre-construction meeting scheduled for 3/30/16; 2 sets of signed/sealed plans required prior to pre-construction conference; Testing can be performed 8/1/16;
6. 2737 Fairview Street Lateral Installation (BT292) – Lateral installed 3/22/16; Permanent paving required;
7. 7th & Coleman (3550) Street (BT293) - Lateral installed 8/3/16; Permanent paving restoration required;
8. Hurd Family Estate (BT291) – 4 LPSS laterals installations completed August 19, 2016; Permanent paving restoration required;

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

1. 1880 Chain Dam Road - Requires final paving inspection after curb replacement;
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 remains to be performed;
3. Charles Chrin Comm. Center of Palmer Twp. - Requires vacuum testing, Final Inspection and As-Builts;
4. CHS Medical Office – LVIP 4 Lot 26B (BT166) – Pending Maintenance Inspection;
5. 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;
6. Freemansburg Avenue Corridor (BT276) – Construction & pipe testing completed; All 3 clean-outs now removed from within Freemansburg Ave roadway; Follow-up Final Inspection performed 10/14/15 with no field work items to be addressed; As-builts currently under review;
7. 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 required; Final Inspection performed 6/25/15;
8. LVIP VI Lot 9 – BGSD (BT270) --- Issued final certificate 1/17/14; Pre-construction meeting held 3/18/14; Monitoring manhole testing performed 10/9/14; Follow-up Final Inspection performed 11/11/14; As-built mylars received 1/28/16; Maintenance Inspection required;
9. LVIP VI Flexicon Expansion-2400 Emrick Blvd. (BT274) - Construction completed 9/30/14; Manhole vacuum testing completed 4/29/15; As-built mylar received 4/29/16 & project closed out;
10. Madison Farms Ph 1 (BT260) – Partial mandrel & air pressure pipe testing performed; Manhole vacuum testing performed 4/21/15; Pipe flushing & televising performed 3/24/15; As-builts required;
11. Maple Shade Estates (BT196) – All air pressure & mandrel pipe testing completed; Manhole vacuum testing remains after base course paving; As-Builts reviewed (resubmission required); Final Inspection, Pipe flushing & televising was completed 5/21/14 with items to be addressed;

12. Nancy Run Estates Phase 4 (BT207) – Final Inspection required;
13. NCACC Dorm Expansion (BT273) – Issued final certificate 3/3/14; Pre-construction meeting held 4/17/14; Construction completed 7/16/14; Pipe air pressure & mandrel testing performed 2/5/15; Manhole vacuum testing performed 3/30/15; Final Inspection was performed on May 13, 2016 with items to be addressed; As-builts reviewed (resubmission required);
14. Negrao (BT105) – City of Bethlehem; As-builts required;
15. People First Federal Credit Union (BT259) – Construction completed 10/15/14; Testing at 25psi was performed satisfactorily 4/23/15; As-built currently under review;
16. St Luke's MOB N (BT111) - Pre-construction meeting held 9/14/15; Construction completed 1/7/16; Pipe air pressure and mandrel testing performed 5/2/16; Manhole testing remains to be performed
17. 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;
18. 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 17A – With BTMA staff;
 - C. LVIP VI Lot 9 BGSD – With BTMA staff
 - D. LVIP VI Flexicon Expansion - With BTMA staff

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

VII. Miscellaneous

- 1) Chapter 94 Report (BT400) –
- 2) Pump Station No. 9 (BT418) – Insertion valve installed 4/7/16; PS 9 exploratory excavation of force main was performed 2/29/16; By-pass chamber valves installed 8/10/16; Wearing course paving completed 9/14/16;
- 3) William Penn Highway/Indiana Street (BT400) – Gravity and LPSS lateral investigation;
- 4) 4316 Circle Dr (BT400) – Base & wearing course paving restoration required;
- 5) Pump Station No. 4 (BT428) – Insertion valve installed 3/24/16; By-pass valve chamber was installed 9/7/16 with finishing work remaining; Testing completed 9/12/16