

**BETHLEHEM TOWNSHIP PHYSICAL PLANT AND IT REPORT**  
**BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY**  
**March 2017**  
**March 16, 2017 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](mailto:shunsberger@bethlehemtp.com)

Pump Station #6

New control system in design. BTMA Financed

Miscellaneous Laterals and Miscellaneous Paving  
Seasonal hold.

Annual Report 2016

Completed and issued

Annual System Inspection 2016

Completed and issued

Asbestos Cement Pipe Lining Schedule 2017

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

CIPP Lining:

Anticipate project start fall 2017. Including lining of Stormwater Dewalt.

Electrical Conservation (all locations):

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

Geographic Information System (GIS), Stormwater Program –

In Progress: LiDAR and 1' contour deliverable in progress. Final LiDAR deliverable early April 2017.

PPIS Facility expansion Project:

- Bidding complete, contract underway. Construction to begin in April 2017.

Equipment Delivery:

BTMA purchased 4 wheels drive off-road jetting unit as back-up to combo unit – received. Off-road jetting program of 67,000 ft. of various pipeline sizes to begin in May 2017. New Aquatech Combo Unit delivery scheduled for April.

### Major Extension Projects:

In progress - BTMA evaluating Church Road/Green Pond Road and Country Club Road regional sewer project as part of the TOA and Millcreek subdivisions development. BTMA earmarking approximately \$1M for construction of regional and secondary PS to serve area.

### Technology:

CODY Systems for Police – Complete.

BTCC "Public" Wireless Upgrade – Complete.

### 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.

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

Week of Monday, December 26, 2016

### **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. 4410 Farmersville Road (BT303) - Plans reviewed; Project on hold pending BTMA decision re Farmersville Ct. Sanitary Sewer Extension;
4. Biondo Tract (BT288) - Plans reviewed (resubmission required); Awaiting Plan Review Escrow to be established;
5. Birchwood Commons (BT191) – Revised Final Plans reviewed (resubmission required);
6. Brodhead Road Distribution Center (BT302) – Plans reviewed (resubmission required);
7. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting to be scheduled with developer & engineer;
8. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required);
9. Green Pond Country Club/TOA PRGCC (BT280) – Plans reviewed by ARRO (resubmission required);
10. Greek Orthodox Annunciation Church (BT286) – Plans reviewed (resubmission required);
11. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
12. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
13. LVIP VI Lot 32 (BT299) - Plans reviewed (resubmission required);
14. LVIP VI Lot 43 (BT255) - Plans reviewed (resubmission required);
15. Madison Farms Phase 4 (BT260) - Plans reviewed by ARRO (resubmission required);

16. Mill Creek Corporate Center Ph 1 (BT282) – Plans reviewed by ARRO (resubmission required);
17. Nancy Run Estates Ph 7 – 10 (BT 290) – Revised Plans currently under review;
18. PENNDOT Hope Rd Facility Expansion (BT400) – Plans reviewed; flow documentation provided;
19. Rau Lane Residential (BT295) – Plans reviewed (resubmission required);
20. TSAN Green Pond Road (BT400) – Reviewed Plan (no comments at this time);
21. Washington Park Estates (BT197) – Plans reviewed;
22. William Penn Highway Twin (BT296) - Plan review on-hold pending BTMA study results;
23. Willow Park Self Storage (BT227) –Reviewed plans;

## **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 IV Lot 57 Fresh Pet Innovations (BT298) - Construction escrow required; 2 sets of plans required;
7. LVIP VI Lot 44 We Store Warehouse (BT271) – Pre-construction meeting to be scheduled;
8. McDonald's Re-Build – Rt. 191 (BT289) - Pre-construction meeting to be scheduled;
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; Construction scheduled to resume early January 2017;
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;
3. Madison Farms Phase 1 (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; Final Inspection performed, and punch list to be prepared;
4. Madison Farms Phase 2 (BT260) - Construction is completed; Emanuel Ct. lateral conflict pre-construction meeting held and construction completed 8/29/16;
5. Madison Farms Phase 3 (BT260) – Construction completed 9/23/16; Sanitary sewer manhole 49 was slid back (25 ft.) after initial construction at the contractor's request;
6. Madison Farms Phase 4 (BT260) – Construction started 12/15/16 in Long Dr. easement and continues;

7. Meyer Lane Apartments (BT139) - Pre-construction meeting held 7/7/16; Revised Final Plans approved; First lateral connected 12/14/16; Second lateral tap-in completed on 12/21/16; Permanent road restoration required;
8. 1619 8<sup>th</sup> Street Lateral (BT300) – Minor lawn restoration required in Spring 2017;

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

1. 1880 Chain Dam Road - Requires final paving inspection after curb replacement;
2. 8030 William Penn Highway (BT275) – Pre-construction meeting held 6/30/16; PENNDOT manhole approval received; Construction started January 13, 2017; Testing tentatively scheduled for week of 3/20/17; As-Builts required; Final Inspection required;
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 required;
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 reviewed (resubmission required);
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 reviewed (resubmission 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. 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; As-builts required; Final Inspection performed 12/13/16; Follow-up final Inspection performed 3/10/17 with all field items satisfactorily addressed;
10. Madison Farms Phase 2 (BT260) – Testing, flushing & televising performed 11/17/16; As-builts required;
11. Madison Farms Phase 3 (BT260) – Testing, flushing & televising performed 11/17/16; As-builts required;
12. 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 performed January

- 11, 2017 with items to be addressed; Pipe flushing & televising was completed 5/21/14 with items to be addressed;
13. Meyer Lane Apartments (BT139) - As-Builts required;
  14. Nancy Run Estates Phase 4 (BT207) – Final Inspection required;
  15. 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 received & satisfactory; Follow-up Final Inspection performed 2/7/17 with all field items satisfactorily addressed; Maintenance Inspection required;
  16. Negrao (BT105) – City of Bethlehem; As-builts required;
  17. Old Dominion Distribution Center (BT284) – Testing of collector performed 11/22/16; Lateral testing, and flushing & televising of main was satisfactorily completed 12/20/16; Final Inspection performed January 13, 2017 with items to be addressed; Follow-up Final Inspection performed 1/18/17 with all field items satisfactorily addressed; As-Builts reviewed (resubmission required);
  18. People First Federal Credit Union (BT259) – Construction completed 10/15/14; Testing at 25psi was performed satisfactorily 4/23/15; As-built plans provided; Maintenance Inspection required;
  19. 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
  20. 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;
  21. 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;

#### **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;
- 3) Pump Station No. 4 (BT428) – Final lawn restoration required;
- 4) Farmersville Ct. Sanitary Sewer Extension (BT429) – Project (4410 Farmersville Rd. – Miller) to be discussed at 3/17 BTMA Board meeting;
- 5) Chardonnay Ct. Sanitary Sewer Extension (BT400) – Project to be discussed as 3/17 BTMA Board meeting;
- 6) Joao & Bradley Brodhead Road Lateral (BT430) – Contractor and installation schedule not determined yet;
- 7) Bike USA Brodhead Road Lateral (BT431) – Lateral installation by BTMA contractor scheduled for March 14, 2017;
- 8) Angelic Sisters of St. Paul Sanitary Sewer Extension (BT400) - Project to be discussed as 3/17 BTMA Board meeting;