

BETHLEHEM TOWNSHIP MUNICIPAL AUTHORITY

REPORT FOR
OCTOBER 9, 2019 MEETING

Church Road/Green Pond Road Sewers

Plans and specifications for Pump Station 11 have been advertised in the newspaper and also uploaded to PennBid. A pre-bid meeting is scheduled for October 22 and bids are due November 7, with an expected award recommendation for the November Authority meeting and a Notice to Proceed issued prior to the end of the year or early in 2020.

We will be providing review of all shop drawings for Pump Station 12 (to be constructed by TOA) for uniformity with Pump Station 11. We will also be providing part-time construction observation of both pump stations as work progresses, in addition to those inspections to be performed by the Township code official.

We re-submitted the Highway Occupancy Permit application to PADOT for the sewers on Green Pond Road and Country Club Road based on their review comments. We are awaiting their response.

Mr. Hunsberger has discussed potential financing methods for the construction of the sewers on Green Pond Road, Church Road and Country Club Road with a financial advisor and can provide details on his meeting. We prepared a final cost opinion for that work of approximately \$2.25 to \$2.5 million. We are also working on preparation of a grant application for the collection sewers.

Northeast Trunk Sewer

As a result of the repairs made to the Northeast Interceptor Sewer, daily flows continue to drop. Flows in July were about 1.910 mgd (with almost 9 inches of rain during the month). Flows in August were down to 1.675 mgd (but with less than 5 inches of rain during the month). Flows in September were down to 1.586 mgd (with less than 1.5 inches of rain during the month). The overall third quarter average was down to 1.725 mgd, a significant drop from the first and second quarters of 2.437 mgd and 2.311 mgd respectively.

We have re-submitted the HOP application for the emergency repairs to PADOT, and once that application is approved, the final repaving of Willow Park Road will be completed, hopefully before the paving season ends (base paving was done at the time of repairs).

Misc. Lateral Installations and Misc. Paving

The specifications and bidding documents for the Miscellaneous Paving contract are complete and are ready to be uploaded to PennBid. The specifications and bidding documents for the Miscellaneous Lateral Installations are almost complete and should be ready for uploading to PennBid for the end of the week. Both projects have a bid date of December 5.

Status of Bethlehem Township Municipal Authority Projects

October 7, 2019

I. Under Review

1. 2112 12th Street (BT400) – Plans reviewed (resubmission required);
2. Basile Senior Housing (4023 Oakland Road)(BT156) – Sketch Plan reviewed (resubmission required);
3. Birches at Bethlehem (BT315) – Plans reviewed (resubmission required); Plan review escrow received 9/17/19;
4. Dutt Tract (BT304) – Sketch Plan reviewed (no comments at this time); Planning meeting held 4/19/17 with developers engineer ARRO;
5. Freemansburg Square (BT126) – Revised plans reviewed (resubmission required); Sketch Plan reviewed (no comments at this time);
6. Greek Orthodox Annunciation Church (BT286) – Plans reviewed (resubmission required);
7. Hecktown Road Business Park Lots 6 & 7 (BT317) – Planning items reviewed & plan resubmission is required;
8. Hope Road Commercial Development (BT277) – Sketch plan reviewed (no comments);
9. Justice Grown Medical Marijuana Dispensary (BT400) – Wastewater flow data requested;
10. King's View Avenue Medical Office Building (BT308) – Sketch Plan reviewed (no comments); Plan review escrow required;
11. Lehigh Valley Charter Academy (BT316) – Sketch Plan reviewed; Flow data under review by ARRO; Plan review escrow & agreement received 9/11/19;
12. Lehigh Valley Underground (BT312) – Plans reviewed (resubmission required);
13. LVIP IV Lot 17A (BT400) – Reviewed Sketch Plan (no comments at this time);
14. LVIP VI Lot 44 Fairfield Inn & Suites (BT314) – Plans reviewed; (plan review escrow required);
15. Meals on Wheels Addition (BT309) – Plans reviewed and wastewater flow data was requested;
16. Mill Creek Corporate Center Ph 1 (BT282) – Plans reviewed by ARRO (resubmission required);
17. MNB Properties Office & Garage (BT306) - Plans reviewed (resubmission required); Comments on hold pending establishment of escrow;
18. Notre Dame High School Auditorium Addition (BT400) – Wastewater flow data requested;
19. Panda Express (Bethlehem Square Shopping Center)(BT400) - Sketch Plan reviewed (no comments at this time);
20. River Hill Estates (BT313) – Plans reviewed (resubmission required);
21. 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. 4217 Fritch Drive (BT310) – Plans reviewed;
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 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. Nancy Run Estates Phase 7 – 10 (BT290) – Pre-construction meeting held 8/8/19; 2 complete sets of Final Plans requested at Pre-construction meeting; Anticipated start is Oct/Nov; BTMA TV investigation of 10th Street laterals performed 9/24/19;
10. Washington Park Estates (BT197) – Pre-construction conference required; 1 set of Final plans required prior to preconstruction conference;
11. Country Club Road Lateral Installation (BT318) – Pending escrow;

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 to be reviewed; Construction in progress;
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; Follow-up Final Inspection performed and all field items satisfactorily addressed;
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; Testing for pipe repair (3rd repair performed 10/25/17) segment between MH 17 & MH 30 still required after 11/25/17 (repair testing is satisfactory); Raya/Rafi intersection sinkhole sanitary sewer repair area completed 8/22/18; Testing of Raya/Rafi intersection sinkhole sanitary sewer repair area can be performed 9/22/18; Flushing & televising performed 6/5/19;
7. Madison Farms Phase 5 (BT260) – Construction started 10/19/17; Construction completed 11/8/17; Flushing & televising performed 6/5/19;

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

1. 1880 Chain Dam Road - Requires final paving inspection after curb replacement;
2. 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-Built satisfactory & electronic version received; Final Inspection required;
3. 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 required;
4. 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;
 5. 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;
 6. 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;
 7. Charles Chrin Comm. Center of Palmer Twp. - Requires vacuum testing, Final Inspection and As-Builts;
 8. CHS Medical Office – LVIP 4 Lot 26B (BT166) – Pending Maintenance Inspection;
 9. 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;
 10. 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;
 11. LVIP IV Lot 55 & 56 Fresh Pet (BT268) – Lateral installed 9/19/19;
 12. 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 testing & As-Builts required; Lateral installed 9/19/19;

13. 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;
14. Madison Farms Phase 2 (BT260) – Testing, flushing & televising performed 11/17/16; As-Builts reviewed (resubmission required);
15. 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;
16. 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 (resubmission required);
17. Madison Farms Phase 5 (BT260) – Pipe testing performed 2/6/18; As-Builts required; Manhole testing performed 9/12/18; As-Builts currently under review;
18. 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;
19. Nancy Run Estates Phase 4 (BT207) – Final Inspection performed 10/23/17; Follow-up Final Inspection performed 11/29/17 with outstanding items addressed, and As-Builts have been received; Maintenance Inspection required;
20. Negrao (BT105) – City of Bethlehem; As-Builts required;
21. People First Federal Credit Union (BT259) – Construction completed 10/15/14; Testing at 25psi was performed satisfactorily 4/23/15; As-built plans provided; Final Inspection was performed 10/5/17, & follow-up performed 1/24/18 with outstanding field items satisfactory; Maintenance Inspection required; Maintenance Period started 6/11/18;
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 (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

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) 3725 Tiffany Drive Emergency Repair (18007D) – Repair performed 10/26/18. Final pavement restoration performed 9/23/19; Final paving invoice processed for payment;
- 4) Our Lady of Perpetual Help Emergency Repair (18007E) – Repair completed 11/7/18; Final pavement performed 9/6/19; As-Builts reviewed and found to be satisfactory; Final paving invoice processed for payment;
- 5) 3833 Fairlee Ct. Emergency Lateral Repair (18007F) – Repair completed 12/14/18; Final pavement restoration & curb replacement performed 9/24/19; Final paving invoice processed for payment;
- 6) Delwin Ct. Emergency Repair (19007A) – Repair completed 1/10/19; Manhole test performed 2/22/19; Final pavement restoration performed 9/6/19; Final paving invoice processed for payment;
- 7) COB/BTMA Northeast Interceptor Repairs (19007C) – Site meeting held 7/1/19 to determine extent of paving requirements; Paving tentatively scheduled for late August/early September time frame; Schuylkill Paving met for site visit 8/14/19; PENNDOT HOP data provided to ARRO; Sunset Dr. emergency paving is scheduled for 9/3/19; Final pavement restoration performed 9/6/19, except for Willow Park Rd. (PENNDOT HOP) paving still to be performed; Paving invoice for Township roads processed for payment;
- 8) Pump Station 4 & 6 Additional Paving (BT400) - Schuylkill Paving met for site visit 8/14/19; Driveway paving enlargement performed 9/24/19; Final paving invoice processed for payment;
- 9) Fornance Road Lateral Repair (BT400) - Final pavement restoration performed 9/6/19; Final paving invoice processed for payment;
- 10) 3886 Devonshire Rd (999000) - Final pavement restoration performed 9/23/19; Final paving invoice processed for payment;
- 11) 4081 Devonshire Road (BT400) - Final pavement restoration performed 9/24/19; Final paving invoice processed for payment;
- 12) Fritch Dr./Brodhead Rd. LPSS (19007B) – Joao & Bradley repaired HDPE pipe 9/16/19 severed by Schlouch ;