

LOWER PAXTON TOWNSHIP AUTHORITY

TUESDAY, MAY 27, 2025 – 7:00 P.M.

ORDER OF BUSINESS

1. CALL TO ORDER - CHAIRMAN BLAIN
2. PLEDGE OF ALLEGIANCE - MR. MCCORMACK
3. REORGANIZATION OF THE AUTHORITY - VICE CHAIR VACANCY - Chairman
 - 3.I. ELECTION OF VICE CHAIRMAN– CHAIRMAN
 - 3.II. APPOINTMENT OF NEW OFFICER(S) AS NECESSARY - Chairman
4. PUBLIC COMMENT
5. BOARD MEMBERS' COMMENTS
6. GENERAL AUTHORITY
7. NEW BUSINESS
 - 7.I. Amendment #1 To The Management Agreement Between LPTA And LPT- Mr. Miller

Documents:

[REDLINE MANAGEMENT AGREEMENT LPT AND LPTA.PDF](#)
8. SANITARY SEWER FUND
 - 8.I. BUSINESS
 - 8.I.i. Resolution 25-01 Authorizing Submission Of The COVID-ARPA PA Small Water And Sewer Grant Application For The Wilshire Sewer Extension Project – Mr. Weaver

Documents:

[RES2501GRANT.PDF](#)
 - 8.I.ii. Presentation By GHD On The Beaver Creek DEP Corrective Action Plan –Alton Whittle, GHD

Documents:

[LPTA BC 3RD CAP \(BOARD DRAFT\).PDF](#)
9. TOWNSHIP REPORTS
 - 9.I. BC-7A/B/C Sewer Replacement Construction Update
 - 9.II. Township Crew 2nd Quarter Report – 2025 Paving Project Repair Work
 - 9.III. PC-3E/ Clermont Mini-Basin Construction Update/Schedule
 - 9.IV. PC-2E/F Trunkline/External Repairs Construction Update/Schedule
 - 9.V. Quarterly Financial Report
Sewer

Documents:

[DRAFT SEWER AUTHORITY Q1 2025 FINANCE PACKAGE.PDF](#)

10. ENGINEER'S REPORT
Sewer

Documents:

[MAY 2025 ENGINEERS STATUS MEMO LPTA.PDF](#)

11. STORMWATER FUND

11.I. TOWNSHIP REPORTS

11.II. New MS4 NPDES Permit/HRG Proposed Asset Management Plan

11.III. 2025 Budget Projects, 13 Total, 8 In Design –5 Under Construction

11.IV. Township Crew 2nd Quarter 2025 Stormwater Projects

Documents:

[5-27 AUTHORITY MTG_LARRY REPORT.PDF](#)

11.V. Township Crew 2024 Savings Compared To Bid Costs

Documents:

[ORIGINAL CREW COST COMAPRISON.PDF](#)
[BID COST COMPARISON.PDF](#)

11.VI. Quarterly Financial Report
Stormwater

Documents:

[DRAFT STORMWATER AUTHORITY Q1 2025 FINANCE PACKAGE.PDF](#)

12. ENGINEER'S REPORT
Stormwater

Documents:

[2025-05-27 ENGINEER REPORT.PDF](#)

13. ADJOURN

NEXT MEETING – FEBRUARY 25, 2025

**Be advised that public meetings of the Authority may be recorded for audio
and/or video purposes.**

**Management Agreement
by and between
Lower Paxton Township
and the
Lower Paxton Township Authority**

THIS MANAGEMENT AGREEMENT, dated December 4, 2018, and effective as of the date of execution appearing at the end hereof, by and between TOWNSHIP OF LOWER PAXTON, Dauphin County, Pennsylvania (the "Township"), and LOWER PAXTON TOWNSHIP AUTHORITY (the "Authority"), a municipality authority existing under laws of the Commonwealth of Pennsylvania.

WHEREAS, the Township is existing under laws of the Commonwealth of Pennsylvania (the "Commonwealth") and is a local government unit", as such term is defined under the Local Government Unit Debt Act (the "Act"), 58 Pa C.S. §8001 et seq.; and

WHEREAS, the Authority is a municipality authority organized and existing under the Pennsylvania Municipality Authorities Act of 1945, approved May 2, 1945, P.L. 382, as amended and supplemented; and

WHEREAS, the Authority constructs, owns, operates, and maintains a complete sanitary sewage collection and transportation system and related facilities in and for the rendering of sanitary sewer service in and for the Township; and

WHEREAS, the Authority desires to engage the Township to provide certain services in connection with the operation and maintenance of the Sanitary Sewer System; and

WHEREAS, the Authority constructs, owns, operates, and maintains a complete stormwater collection and transportation system and related facilities in and for the rendering of stormwater service in and for the Township; and

WHEREAS, the Authority desires to engage the Township to provide certain services in connection with the operation and maintenance of the Stormwater System; and

WHEREAS, the Township is willing to provide such services in connection with operation and maintenance of the Stormwater System pursuant to the terms and conditions of this Agreement; and

WHEREAS, the Township is willing to provide such services in connection with operation and maintenance of the Sanitary Sewer System pursuant to the terms and conditions of this Agreement.

NOW, THEREFORE, THIS AGREEMENT WITNESSETH, That the Township and the Authority, for and in consideration of the mutual covenants and agreements hereinafter contained, each intending to be legally bound hereby, do covenant and agree as follows:

1. The Authority hereby engages and appoints the Township to provide general management services for the Sanitary Sewer System, subject to the termination provisions provided in Paragraph 14 hereof, and the Township hereby accepts such appointment on the terms hereafter set forth.

2. The Authority hereby engages and appoints the Township to provide general management services for the Stormwater System, subject to the termination provisions provided in Paragraph 14 hereof, and the Township hereby accepts such appointment on the terms hereafter set forth.

3. The terms defined in this Paragraph 3, for all purposes of this Agreement, shall have meanings herein specified, unless the context clearly otherwise requires:

“Capital Additions” for Sanitary Sewer means new and additional property chargeable to plant or equipment account under sound accounting or engineering practice, including, without intending to limit the generality of the foregoing, additions, extensions, alterations and improvements of or to the Sewer System, including, without intending to limit the generality of the foregoing, all buildings, basins, machinery, mains, conduits, pipes, pipe lines, interceptor lines, outfall lines, trunkline, service lines, sewer plants and systems, tanks, shops, pumping stations, ejector stations, force mains, fixtures, engines, boilers, pumps, meters and other equipment, all personal property and all franchises, land, rights of way, privileges, easements, licenses, rights and any other interests in real property, in each case made, constructed or acquired after the date hereof and which are used or useful in connection with the Sewer System.

“Capital Additions” for Stormwater means new and additional property chargeable to plant or equipment account under sound accounting or engineering practice, including, without intending to limit the generality of the foregoing, additions, extensions, alterations and improvements of or to the Stormwater System, including, without intending to limit the generality of the foregoing, all buildings and structures, basins, mains, pipes, pipe lines, interceptor lines, outfall lines, trunk lines, service lines, drainage swales, drainage channels, machinery and equipment, personal property and all franchises, land, rights-of-way, privileges, easements, licenses, rights and any other interests in real property, in each case made, constructed or acquired after the date hereof and which are used or useful in connection with the Stormwater System.

“Consulting Engineers” means a Person or Persons, who shall be Independent and qualified to pass upon engineering questions relating to Sanitary Sewer Systems and Stormwater systems and having a favorable reputation for skill and experience in construction, operation, and maintenance of Sanitary Sewer Systems and Stormwater Systems. If such Person shall be an individual, he shall be a professional engineer duly registered under laws of the Commonwealth. If such Person shall be partnership, corporation or association, it shall have a partner, officer, employee or member who is a professional engineer duly registered under laws of the Commonwealth.

“Extraordinary Repairs” means alterations, repairs, renewals, improvements or replacements with respect to the Sanitary Sewer System and Stormwater System which are necessary or desirable for proper operation and maintenance thereof including emergency work and which are of a type that would not ordinarily be made out of moneys deposited in the Sanitary Sewer Revenue Fund or the

Stormwater Revenue Fund, respectively, as current operating expenses, as determined by a Consulting Engineers' Certificate.

"Independent" means, with respect to the Consulting Engineers, a Person who is not a member of the Board, officer or employee of the Authority or an elected or appointed official or employee of the Township, or which is not a partnership, corporation or association having a partner, directors, officer, member or substantial stockholder who is a member of the Board, officer or employee of the Authority or an elected or appointed official or employee of the Township; Provided, however, that the fact that such Person is retained regularly by the Authority or the Township shall not make such Person an employee within the meaning of this definition.

"Municipal Building" means the Municipal Center of the Township located at 425 Prince Street, Harrisburg, Pennsylvania 17109.

"Person" means an individual, a partnership, an association, a corporation, a joint stock company, a trust, an unincorporated association, a governmental body, a political subdivision, a municipality, a municipality authority or any other group or entity.

"Revenue Bonds" mean the Bonds issued by the Authority for Sanitary Sewer and/or Stormwater system rehabilitation or improvement, as well as any portion of Lower Paxton Township General Obligation Bonds made available to the Authority for Sanitary Sewer and/or Stormwater system rehabilitation or improvement in accordance with a Subsidy Agreement.

"Sanitary Sewer Revenue Fund" means the separate and distinct account of the Authority, as described in Paragraph 4 hereof.

"Sanitary Sewer Revenues" means:

- a. All moneys realized from collection of Sanitary Sewer rates and other charges imposed, pursuant to a resolution or resolutions of the Authority, in effect at the time;
- b. All interest and income received, from time-to-time, by or on behalf of the Authority from investment of moneys in the Sewer Revenue Fund; and
- c. All grants from state and federal governmental agencies; and
- d. All other monies deposited into the Sewer Revenue Fund.

"Sanitary Sewer System" means the sewage collection and transmission system constructed, owned, operated, and maintained by the Authority, including all related facilities heretofore acquired or constructed or hereafter acquired or constructed by the Authority, together with all appurtenant facilities and properties which the Authority has acquired or hereafter shall acquire in connection therewith, including all property, real, personal and mixed, rights, powers, licenses, easements, rights of way, privileges, franchises and any and all other property or interests in property of whatsoever nature used or useful in connection with such facilities, and together with all additions, extensions, alterations and improvements which may be made or acquired, from time to time. As of any particular time, the

"Sanitary Sewer System" means the aforesaid facilities and all property, real, personal and mixed, rights, powers, licenses, easements, rights of way, privileges, franchises and all other property or interests in property of whatsoever nature used or useful in connection with such facilities, and Capital Additions (including property in the nature of Capital Additions acquired or constructed from funds wholly or partially contributed or advanced by users, developers or other Persons) acquired, owned, made or constructed by or for the Authority; and the "Sanitary Sewer System", without intending to limit the generality of the foregoing, as of any particular time, shall include all buildings, basins, machinery, mains, conduits, pipes, pipe lines, interceptor lines, trunk lines, service lines, tanks, shops, pumping stations, ejector stations, force mains, fixtures, engines, boilers, pumps, meters and other equipment, all personal property and all franchises, land, rights of way, privileges, easements, licenses, rights and any other interests in real property, all of the foregoing being owned by the Authority and used or useful in connection with the collecting, transporting pumping, treatment and/or disposing of sewage.

"Stormwater Revenue Fund" means the separate and distinct account of the Authority, as described in Paragraph 5 hereof.

"Stormwater Revenues" means:

- a. All moneys realized from collection of Stormwater rates and other charges imposed, pursuant to a resolution or resolutions of the Authority, in effect at the time;
- b. All interest and income received, from time-to-time, by or on behalf of the Authority from investment of moneys in the Stormwater Revenue Fund; and
- c. All grants from state and federal governmental agencies; and
- d. All other monies deposited into the Stormwater Revenue Fund.

"Stormwater System" means the collection and transmission system constructed, owned, operated, and maintained by the Authority, including all related facilities heretofore acquired or constructed or hereafter acquired or constructed by the Authority, together with all appurtenant facilities and properties which the Authority has acquired or hereafter shall acquire in connection therewith, including all property, real, personal and mixed, rights, powers, licenses, easements, rights of way, privileges, franchises and any and all other property or interests in property of whatsoever nature used or useful in connection with such facilities, and together with all additions, extensions, alterations and improvements which may be made or acquired, from time-to-time. As of any particular time, the "Stormwater System" means the aforesaid facilities and all property, real, personal and mixed, rights, powers, licenses, easements, rights of way, privileges, franchises and all other property or interests in property of whatsoever nature used or useful in connection with such facilities, and Capital Additions (including property in the nature of Capital Additions acquired or constructed from funds wholly or partially contributed or advanced by users, developers or other Persons) acquired, owned, made or constructed by or for the Authority; and the "Stormwater System," without intending to limit the generality of the foregoing, as of any particular time, shall include all buildings, basins, machinery, mains, pipes, pipe lines, interceptor lines, trunk lines, service lines, shops, pipes, pipe lines, interceptor lines, outfall lines, service lines, drainage swales, drainage channels, machinery and equipment,

personal property and all franchises, land, rights-of-way, privileges, easements, licenses, rights and any other interests in real property, in each case made, constructed or acquired after the date hereof and which are used or useful in connection with the Stormwater System.

“Year” means January 1 to December 31.

3. Subject to the supervision, direction and control of the Authority in the exercise and discharge of its duties under the Authorities Act, the Township shall manage the Sanitary Sewer System and the Stormwater System and shall, acting in cooperation with the Authority, render to the Authority all services in connection therewith including the following:

- a. The Township shall provide all labor, equipment and materials for the efficient operation and maintenance of the Sanitary Sewer System and the Stormwater System and for the furnishing of adequate and satisfactory Stormwater and Sanitary Sewer service to users.
- b. The Township shall employ and supervise such Persons as are required to properly operate and maintain the Stormwater System and Sanitary Sewer System; such Persons may be the employees of the Township.
- c. The Authority shall appoint the Township Manager as Manager of the Authority.
- d. The Township shall provide and supply the necessary utilities, materials, supplies and equipment for the operation and maintenance of the Sanitary Sewer System and the Stormwater System.
- e. The Township shall keep and maintain all books, accounts and records required in connection with the proper and businesslike operation of the Sanitary Sewer System and the Stormwater System, and as may be reasonably required by the Authority.
- f. The Township shall maintain adequate and proper insurance as may be reasonably required by the Authority and shall report on the extent of such insurance coverage to the Authority on or before January 1, of each year.
- ~~g. The Township shall bill and collect for Sanitary Sewer service and for Stormwater service in accordance with the Sanitary Sewer rates and the Stormwater rates and other charges, as established and imposed by the Authority, and shall handle all matters arising from such billing and collecting.~~
- h.g. The Township shall develop and propose to the Authority separate Sanitary Sewer and Stormwater annual operating budgets and capital improvements budgets setting forth in reasonable detail the anticipated revenues and expenses for the sanitary sewer fund and stormwater fund for such period and capital improvements necessary and desirable, for such proposed budgets to be submitted to the Authority on or before November 15 of each year.

i.h. The Township shall ~~keep the Authority informed of the amount of collections made and, if necessary, shall~~ advise the Authority of the necessity of any change in rates and shall consult with the Authority in establishing any such new rates.

j.i. The Township shall provide for performance of all services, and the purchase of all equipment in connection with the making of repairs, subject to the provisions of Paragraph 8, hereof.

k.j. The Township shall provide such consulting services as may be appropriate, including advice with regard to the management of moneys and recommendations with regard to present and future operation and maintenance of the Sanitary Sewer System and the Stormwater System.

l.k. The Township shall monitor compliance with and enforce Authority resolutions and rules and regulations governing the use of the Sanitary Sewer System and the Stormwater System.

m. The Township shall render all reasonable assistance to the Authority in order to enable the Authority to perform and fulfill its obligations under the Authorities Act, to secure efficient and economical administration and operation of the Sanitary Sewer system and the Stormwater System and to assure adequate and efficient Sanitary Sewer service and Stormwater service at reasonable rates and charges to users.

n. The Township shall, where appropriate and on behalf of the Authority, operate and maintain the Sanitary Sewer System and the Stormwater System in accordance the requirements of any applicable Trust Indentures of Sanitary Sewer Revenue Bonds and/or Stormwater Revenue Bonds.

o. The Authority hereby engages and appoints the Township to review and act upon extensions to the Sanitary Sewer System and Stormwater System.

1) The Township shall review and act upon extensions to the Sanitary Sewer System and Stormwater System subject to the Pennsylvania Municipality Authorities Act of 1945, approved May 2, 1945, P.L.382, as amended, and as supplemented by the Authority's Standard Construction and Material Specifications for Wastewater Collection Systems and the regulations of Lower Paxton Township for Stormwater Systems.

2) The Township shall, on behalf of the Authority, execute and administer all construction agreements, including surety agreements guaranteeing the installation of sanitary sewer facilities and stormwater facilities.

3) Upon the completion of extensions to the Sanitary Sewer System and/or Stormwater System, in accordance with the regulatory mechanisms referenced in paragraph 1, above, the Township shall present the dedication of said extensions to the Authority for acceptance.

4. The Township shall deposit all Sanitary Sewer Revenues in the Sanitary Sewer Revenue Fund established and maintained in the name of the Authority with such depository or depositories as may be satisfactory to the Authority. As part of the Sewer Revenue Fund, such accounts as may be required in connection with any financings or as may be deemed desirable shall be established by the Township on behalf of the Authority, all in accordance with the accepted accounting practices and the applicable Trust Indentures of any Revenue Bonds. Proper officers or employees of the Township, with the approval of the Authority, shall be authorized to make payments or transfers, as appropriate, with respect to costs properly chargeable to the Sanitary Sewer Revenue Fund.

The Township may invest such moneys in the Sanitary Sewer Revenue Fund, on behalf of the Authority, in such amounts and for such periods of time as it deems appropriate, taking into consideration the moneys available and anticipated expenditures and the requirements of applicable Trust Indentures of any Revenue Bonds.

All such moneys which shall not be invested by the Township, to the extent not insured by the Federal Deposit Insurance Corporation or other Federal agency, shall be secured continuously for benefit of the Authority, as shall be required, from time to time, by laws of the Commonwealth of Pennsylvania. Obligations pledged as such security shall be deposited with a Federal Reserve Bank, or with the trust department of some other bank, trust company or depository, as shall be authorized by law with respect to trust funds in the Commonwealth of Pennsylvania and satisfactory to the Authority.

5. The Township shall deposit all Stormwater Revenues in the Stormwater Revenue Fund established and maintained in the name of the Authority with such depository or depositories as may be satisfactory to the Authority. As part of the Stormwater Revenue Fund, such accounts as may be required in connection with any financings or as may be deemed desirable shall be established by the Township on behalf of the Authority, all in accordance with the accepted accounting practices and any applicable Trust Indentures of any Revenue Bonds. Proper officers or employees of the Township, with the approval of the Authority, shall be authorized to make payments or transfers, as appropriate, with respect to costs properly chargeable to the Stormwater Revenue Fund.

The Township may invest such moneys in the Stormwater Revenue Fund, on behalf of the Authority, in such amounts and for such periods of time as it deems appropriate, taking into consideration the moneys available and anticipated expenditures and the requirements of any applicable Trust Indentures of any Revenue Bonds.

All such moneys which shall not be invested by the Township, to the extent not insured by the Federal Deposit Insurance Corporation or other Federal agency, shall be secured continuously for benefit of the Authority, as shall be required, from time-to-time, by laws of the Commonwealth of Pennsylvania. Obligations pledged as such security shall be deposited with a Federal Reserve Bank, or with the trust department of some other bank, trust company or depository, as shall be authorized by law with respect to trust funds in the Commonwealth of Pennsylvania and satisfactory to the Authority.

6. The ownership of all personal property, equipment, and materials used in the operation and maintenance of the Sanitary Sewer System and the Stormwater System and for the furnishing of adequate and satisfactory Sanitary Sewer service and Stormwater service to users shall be the

responsibility of the Township. The Township shall maintain such personal property and equipment in good working order, and shall include such personal property and equipment within its Capital Plan, scheduling same for replacement at the end of its useful life. The direct costs incurred by the Township for maintenance, repair, and replacement of personal property, equipment, and materials shall be paid by the Authority.

7. The Township agrees to cause all officers and employees of the Township handling funds relating to the Sanitary Sewer System and the Stormwater System to be bonded at all times in amounts determined to be appropriate by the Authority, which bonds shall be issued by a responsible surety company or surety companies duly qualified to do business in the Commonwealth of Pennsylvania and satisfactory to the Authority.

8. The Township is authorized to make Extraordinary Repairs, without further approval of the Authority, to the extent that funds shall be available to it for such purposes without depleting available funds below the amounts needed for adequate reserves in connection with the operation and maintenance of the Sanitary Sewer System and the Stormwater System and in accordance with any applicable Trust Indentures of Sanitary Sewer Revenue Bonds and Stormwater Revenue Bonds.

9. The Township, from time-to-time, may request that the Authority undertake Capital Additions. The request by the Township shall be accompanied by a certificate of the Consulting Engineers of the Authority that such Capital Additions are necessary and desirable for the proper operation and maintenance of the Sanitary Sewer System and/or the Stormwater System. Upon approval of the Authority, which approval shall not be unreasonably withheld, the Township shall undertake such Capital Additions.

10. The books, records and accounts of the Township, as Manager of the Sanitary Sewer System and the Stormwater System, shall be open for inspection by the Authority or its authorized agents at any reasonable time. The Township shall prepare and submit to the Authority quarterly financial reports setting forth actual revenues and expenses for the preceding quarter and setting forth a comparison to the approved budget amounts. On an annual basis following close of a respective fiscal year, the Township and the Authority shall cause to be prepared an audit of the records and accounts of the Authority and an audit of the records and accounts of the Township.

11. In consideration of the Sanitary Sewer services rendered by the Township under this Agreement, the Authority agrees to pay to the Township on a monthly or quarterly basis, as applicable, the following amounts:

a. Any direct costs incurred by the Township for labor, materials or services provided for the Sewer System;

b. For services rendered by the Township's administrative staff, to include the Township Manager, Administrative Assistant to the Township Manager, Finance Department, Personnel Department, Human Resource Manager, Communications Manager and IT services, an allocated share equal to twenty percent (20%) of the total Township costs and expenses for administrative staff for such month or quarter, as applicable.

- c. All costs incurred in accordance with paragraph 6, above.

12. In consideration of the Stormwater System services rendered by the Township under this Agreement, the Authority agrees to pay to the Township on a quarterly basis the following amounts:

- a. Any direct costs incurred by the Township for labor, materials or services provided for the Stormwater System;
- b. For services rendered by the Township's administrative staff, to include the Township Manager, Administrative Assistant to the Township Manager, Finance Department, Personnel Department, Public Works Director, Public Works Operations Supervisor, Public Works Secretary, Human Resource Manager, Communications Manager, and IT services an allocated share equal to five percent (5%) of the total Township costs and expenses for administrative staff for such month and/or quarter. For services rendered by the Township Engineering Field Technician, one hundred percent (100%) of the total Township costs and expenses for such month or quarter, as applicable.
- c. All costs incurred in accordance with paragraph 6, above.

13. The Consulting Engineer for the Sanitary Sewer System shall be selected by the Authority and retained by the Authority and the Township. The Consulting Engineer for the Stormwater System shall be selected by the Authority and retained by the Authority and the Township. The Consulting Engineers shall act as consulting engineers to the Township and the Authority in all matters relating to operation of the Sanitary Sewer System and Stormwater System pursuant to this Agreement.

14. This Agreement represents the entire understanding between the parties and supersedes all previous Agreements. This Agreement shall continue in effect for the term beginning with the date hereof, and from Year-to-Year thereafter, unless either party shall give written notice of its desire to terminate or amend the Agreement at the expiration of any term thereof, such notice to be given, in writing, at least 120 days before the expiration of such term.

IN WITNESS WHEREOF, LOWER PAXTON TOWNSHIP AUTHORITY has caused this Agreement to be executed by its Chairman or Vice-Chairman and its corporate seal to be hereunto affixed and attested by its Secretary or Assistant Secretary, and the TOWNSHIP OF LOWER PAXTON has caused this Agreement to be executed by the Chairman or Vice-Chairman of its Board of Supervisors and its corporate seal to be hereunto affixed and attested by its Secretary, this day of 2018.

TOWNSHIP OF LOWER PAXTON

**LOWER PAXTON TOWNSHIP
AUTHORITY**

Chairman

Chairman

Secretary

Secretary

Chairman of its Board of Supervisors and its corporate seal to be hereunto affixed and attested by its Secretary, this 27th day of 2018.

TOWNSHIP OF LOWER PAXTON

**LOWER PAXTON TOWNSHIP
AUTHORITY**

Chairman

Chairman

Secretary

Secretary

LOWER PAXTON TOWNSHIP AUTHORITY
Dauphin County, Pennsylvania
RESOLUTION 25-01

**A RESOLUTION OF LOWER PAXTON TOWNSHIP AUTHORITY, DAUPHIN
COUNTY, AUTHORIZING THE SUBMISSION OF A GRANT REQUEST FOR A PA
SMALL WATER AND SEWER PROGRAM OF \$355,050 FROM THE
COMMONWEALTH FINANCE AUTHORITY TO BE USED FOR THE WILSHIRE
ROAD LOW PRESSURE SEWER EXTENSION**

BE IT RESOLVED, that Lower Paxton Township Authority (Applicant) of Dauphin County hereby requests a PA Small Water and Sewer Program grant of \$355,050 from the Commonwealth Financing Authority to be used for the Wilshire Road Low Pressure Sewer Extension.

BE IT FURTHER RESOLVED, that the Applicant does hereby designate Bradley Gotshall, Township Manager, and William R. Weaver, Sewer Department Director, as the official(s) to execute all documents and agreements between Lower Paxton Township Authority and the Commonwealth Financing Authority to facilitate and assist in obtaining the requested grant.

NOW THEREFORE , BE IT RESOLVED , that Lower Paxton Township Authority hereby supports the submission of a grant request for PA Small Water and Sewer Program grant of \$355,050 from the Commonwealth Financing Authority to be used for the Wilshire Road Low Pressure Sewer Extension.

ADOPTED this 27th day of May, 2025.

ATTEST:

LOWER PAXTON TOWNSHIP AUTHORITY

(Assistant) Secretary

(SEAL)

By: _____
(Vice) Chairman

Beaver Creek Drainage Basin

Third Corrective Action Plan

May 2025

Introduction

On June 13, 2002, Lower Paxton Township Authority (LPTA) and Lower Paxton Township (LPT) entered into the Second Consent Decree with the Department of Environmental Protection (the Department), under which, a connection restriction was imposed on the Beaver Creek Drainage basin. In September 2011 the second Beaver Creek Corrective Action Plan (CAP) was drafted and approved to eliminate wet weather overflows and reduce hydraulic overload in the Beaver Creek Drainage Basin. The second Beaver Creek CAP was incorporated into the Second Amendment to the Second Consent Decree dated August 21, 2013. In May 2021, LPTA/LPT petitioned the Department to amend the second CAP schedule, proposing changes to project prioritization and scope. This petition was approved by the Department in June 2021. For reference, copies of the second CAP, the Authority's amendment letter, and the Department's approval letter are attached.

To date improvements have been made in nineteen (19) mini-basins, by implementing the "total sewer replacement program" approach as outlined in the second CAP, which called for the rehabilitation of mainlines, laterals, and building sewers along with key interceptor replacement projects. Using this approach, the program has successfully improved approximately 30.3 miles of pipelines and LPTA has spent approximately \$65 million in capital funds on improvement projects within the Beaver Creek conveyance system.

The strategies outlined in the second CAP have effectively eliminated overflows and significantly reduced peak wet-weather flows throughout the Beaver Creek Basin. The LPTA/LPT total replacement strategy for I/I removal has resulted in a 47% reduction in peak hourly flows going to Swatara Township's WWTP associated with wet weather events. This reduction changed the measured peak hourly flows from 19.75 mgd to 10.50 mgd, removing approximately 9.75 mgd of peak flows within the Beaver Creek basin conveyance system. Analysis has also indicated that the LPTA's rehabilitation efforts achieved a 99% removal rate of excess I/I within rehabilitated basins. Consequently, this reduced the overflow locations within the basin from nineteen (19) to two (2) sites currently. The remaining sites only experience overflows during flood-level wet weather events. To put the success in perspective, it is estimated that more than 130 wet weather events were successfully conveyed in the last 10-years that would have previously experienced overflows prior to the program's inception. No overflows have been reported during the 2024-2025 reporting period.

The completion of the current second CAP mini-basins and program evaluation has necessitated the need for a new third CAP. After reassessing the Beaver Creek sewer system (following completion of the BC-7 mini-basin), it was determined that LPTA/LPT is able to develop a strategy that involves a more focused approach to remove the remaining excess wet weather flows and eliminate the remaining overflows within the conveyance system. Several high priority areas in the Beaver Creek basin have been identified as key to eliminating the overflows and reducing the hydraulic overload. The success of the total sewer replacement program, continued flow metering throughout the Beaver Creek basin, updating the existing Beaver Creek hydraulic model, and continually field confirming overflow events has significantly improved LPT/LPTA's ability to identify and target the next high priority areas in the Beaver Creek basin.

Description of Plan Elements

Based on the current evaluation, it is recommended that LPTA/LPT implement the following program and schedule to eliminate overflows by 2028 and reduce the hydraulic overload by 2033. The recommended implementation schedule shall address the following elements:

- Trunk H Rehabilitation
- Nyes Road Overflow Box Reconfiguration and Capacity Evaluation at the Beaver Creek Meter Chamber
- Miscellaneous Maintenance Repairs
- Priority Mini-basin Rehabilitation (as needed)

Implementing appropriate strategies within these project areas are projected to eliminate the need for a storage facility within the Beaver Creek basin.

Trunk H Rehabilitation

Flow metering along Trunk H, located in the Beaver Creek basin, has identified a significant contribution of excess flow during wet weather events. Due to the system configuration, it is challenging to directly measure if the excess flow is occurring in the interceptor or from the contributing mini-basin, BC-8F. Field investigations suggest that the flow is directly contributed by the interceptor. To mitigate these excessive wet weather flows within the basin, it is recommended that Trunk H be replaced or rehabilitated prior to any planned rehab of BC-8F. Following the Trunk H project, and the program elements listed above, LPTA/LPT shall meter the overall removal and determine if additional efforts in the mini-basin are required in the future. Currently, the estimated completion date for the Trunk H rehabilitation and other program elements is 2027.

Nyes Road Overflow Box Reconfiguration and Capacity Evaluation at the Beaver Creek Meter Chamber

The remaining overflows in Beaver Creek are experienced in the vicinity of overflow boxes at MH 30 and MH 162. With the substantial I/I reduction in the Beaver Creek basin, the program implementation schedule provides for completing minor structural changes and repairs to eliminate the one overflow box and redirect any excess flow to a single location at MH 162.

Preliminary model results also indicate a reduction in capacity near the Beaver Creek Meter Pit from what is expected. Additional field reconnaissance will be completed to determine if there is debris in the pipes in that area and complete a survey to ensure that the recorded pipe slopes are correct. This initial effort is planned for 2026 so that additional maintenance efforts could be identified as needed.

Key Maintenance Repairs

Township Staff routinely respond to issues or complaints that arise within the collection system and track any necessary repairs. In addition to the normal maintenance, there was also additional investigations in the priority basins (BC-8F and BC-10D) associated with the basin prioritization efforts. As a result, Staff compiled a list of four critical repairs in the Beaver Creek drainage basin that may have a direct impact on excess flows. A contractor was awarded the miscellaneous repairs project in late 2024 and started the repairs in spring 2025. All repairs are expected to be completed by Fall 2025.

Priority Mini-Basin Rehabilitation

The total replacement approach has resulted in unprecedented success in the Beaver Creek Drainage basin. With this substantial success at removing excess I/I from the conveyance system it is envisioned that additional projects will not be needed to eliminate existing overflows during non-flood events. However, as future growth within the basin is experienced additional projects may become necessary to maintain the available capacity. By continuing to utilize flow metering at strategic locations within the basin, the LPTA/LPT will be able to regularly assess flows within the system and projected growth as detailed in their annual Ch94 reporting. This will facilitate pinpointing maintenance needs and identify high priority rehabilitation areas as needed to maintain the safe carrying capacity of the Beaver Creek Basin sewer system.

Currently BC-8F and BC-10D are the next priority basins; however, these areas may experience a reduction in flow due to the Trunk H project and the Miscellaneous Maintenance repairs identified above. If future growth projects exceeding the projected safe carrying capacity of the Beaver Creek sewer system area, a mini-basin rehabilitation project will be enacted.

Program Schedule

The following timeline is proposed for meeting the Second Amendment to the Second Consent Decree and the Settlement Agreement

Table 1 – Proposed Schedule for BC Basin

Tentative Priority For 2025 – 2028: Eliminate Overflows	
Key Maintenance Repairs	2025
Nyes Road Overflow Box Reconfiguration and Capacity Evaluation at the Beaver Creek Meter Chamber	2026
Trunk H Rehabilitation	2027
Tentative Priority For 2028 – 2033: Reduce the Hydraulic Overload	
Priority Mini-Basin Rehabilitation (as needed)	2033

Permits and Connections

In accordance with the Second Amendment to the Second Consent Decree and the Settlement Agreement 1.4 (d) On or before March 15, 2013, and each March 15 thereafter that the agreement is in effect, Lower Paxton and STA will renegotiate the limitations on connections in good faith, based upon Lower Paxton's compliance with subparagraph, 1.4 (b) and this 3rd Beaver Creek Basin CAP. If no agreement is reached after good faith negotiation, DEP will decide, in its sole discretion, the number of connections to be allowed for the following 12 months (from April 1 through March 31), with the limitation that DEP may not allow more than 75% of the number of connections allowed to LPTA's Beaver Creek collection system in the immediately preceding 12 months. In the absence of an agreement by Lower Paxton and STA, DEP will make its determination on the number of connections on or before March 31, 2013, and each March 31 thereafter.

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Sewer Fund (36)

As of March 31, 2025 and 2024

Account NumberAccount Title		2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+/(-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
OPERATING REVENUES:								
36-3001-341.01	Interest Earnings	\$71,835	\$940,000	\$(868,165)	8%	\$199,448	798%	Rates have been stable (in excess of budgeted expectations), and a large portion of investments are locked at 4.44% through October, with interest posting to occur at that time. Currently down 9% from prior year (primarily due to Q4 2023 billing error with Q1 2024 overpayments made carrying into next billing cycle - <i>should balance out in Q2</i>), with anticipated acceleration in Q2/further for heightened delinquent collection efforts. Very slow start to 2025 with plan activity, but anticipate ramp-up with plans in budgeted pipeline. Primarily for developer escrow reimbursements and shared service reimbursements from municipal partner groups (later in year).
36-3001-364.10	Sewer - Rent Charges	4,291,067	17,400,000	(13,108,933)	25%	4,704,258	29%	
36-3001-364.11	Sewer - Tapping Fees	9,371	300,000	(290,629)	3%	89,069	21%	
36-3001-364.12	Sewer - Misc Reimbursements	5,183	120,000	(114,817)	4%	4,647	4%	
TOTAL SEWER FUND REVENUES		4,376,877	18,760,000	(14,383,123)	23%	4,997,421	30%	
OPERATING EXPENDITURES:								
36-4400-429.300	Supp & Admin - Office Supplies	5,884	27,150	21,266	22%	7,703	20%	Comparable to budget/prior year, though actual expenditures in 2025 exclude Pennsylvania Municipal League subscription (Township Board removed from budget).
36-4400-429.306	Supp & Admin - IT Supplies	174	500	326	35%	551	0%	
36-4400-429.310	Supp & Admin - Bank Fees	2,763	8,950	6,187	31%	1,802	11%	Includes bond fees charged during year; continue fee-free auto-ACH services, and pass-through online charges (excluding PCI Compliance fees).
36-4400-429.312	Supp & Admin - Advertising	11	2,000	1,989	1%	494	12%	
36-4400-429.314	Supp & Admin - Postage	61	17,000	16,939	0%	3,648	15%	Awaiting billing from Smart Bill for outsourced bill processing/mailling in 2025.
36-4400-429.322	Supp & Admin - Training/Seminars	3,262	6,000	2,738	54%	5,139	47%	
36-4400-429.500	Prof Svcs - Solicitor & Debt Collection	9,611	110,000	100,389	9%	6,420	4%	Includes allocable share of Solicitor residency and sewer-specific support services, and minimal debt collection fees (<i>new agent fees shift most costs directly to accounts</i>).
36-4400-429.510	Prof Svcs - Engineering Services	30,849	152,000	121,151	20%	35,019	26%	
36-4400-429.512	Prof Svcs - CRW Rate Services	30,102	110,400	80,298	27%	4,581	0%	Includes support for rate study and database assessments, including CRW rates/contracts (<i>to be partially offset with reimbursement revenue above from other municipal partners, as billed</i>), which pushed to 2025 due to slow progress on negotiations.
36-4400-429.520	Prof Svcs - Accounting & Auditing	4,375	13,000	8,625	34%	-	0%	

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Sewer Fund (36)

As of March 31, 2025 and 2024

Account Number	Account Title	2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
36-4400-429.521	Prof Svcs - Contracted Labor	-	-	-	0%	2,189	0%	Temporary staff position, currently held vacant (<i>evaluation ongoing for future full-time need or other staff changes</i>).
36-4400-429.530	Prof Svcs - Township Management Admin Reimbursements	118,410	623,577	505,167	19%	98,849	3%	Includes monthly/quarterly cost assessments under Management Agreement for operational (non-program/capital) support and services.
36-4400-429.535	Prof Svcs - Township Admin Rents	5,911	35,500	29,589	17%	8,608	21%	Includes monthly rental charges under Management Agreement for operational (non-program/capital) facilities.
36-4400-429.542	Prof Svcs - IT Subscriptions/Licenses	34,475	73,000	38,525	47%	26,337	89%	Annually high due to pre-payment on a number of IT subscriptions for the year; comparable with prior year.
36-4400-429.570	Prof Svcs - Copier Maintenance Contracts	1,560	3,550	1,990	44%	2,091	0%	Annually high for annual plotter/scanner payment allocation; comparable with prior year.
36-4400-429.598	Prof Svcs - Communications & Newsletter Services	-	9,240	9,240	0%	770	0%	Shared allocation for third-party communications management services.
36-4400-429.670	Utilities - Telephone & Alarm	3,346	20,000	16,654	17%	1,783	6%	Comparable with prior year.
36-4400-486.730	Misc - Liability & Casualty Insurances	10,563	47,000	36,437	22%	14,653	38%	Reflects a number of reduced premium costs for specific coverage lines, and additional cost shift to stormwater due to labor divisions.
Administration - General Services Expenditures Subtotal		261,357	1,258,867	997,510	21%	220,636	6%	
36-4405-429.302	Supp & Admin - Building Supplies	637	8,000	7,363	8%	1,368	5%	
36-4405-429.326	Supp & Admin - Uniforms	260	4,000	3,740	6%	1,457	17%	
36-4405-429.352	Supp & Admin - Small Tools/Equipment	801	8,000	7,199	10%	1,150	46%	
36-4405-429.400	R&M - Facilities Maintenance	1,005	8,000	6,995	13%	1,597	0%	
36-4405-429.402	R&M - Pump Station Maintenance	3,485	20,000	16,515	17%	1,160	4%	Slightly elevated in 2025 for heating oil purchase and a water pump replacement (allocable shares).
36-4405-429.420	R&M - Vehicle Maintenance	2,755	15,000	12,245	18%	3,265	27%	
36-4405-429.460	R&M - Sewer Line Maintenance	4,779	50,000	45,221	10%	8,412	0%	Slightly high in 2024 due to IT Pipes program subscription (<i>ceased program, and shifted replacement to IT Subscriptions above</i>).
36-4405-429.530	Prof Svcs - Township Management Program Reimbursements	456,244	1,591,622	1,135,378	29%	492,150	0%	Includes monthly/quarterly cost assessments under Management Agreement for program support and services.
36-4405-429.535	Prof Svcs - Township Program Rents	1,600	9,600	8,000	17%	2,400	0%	Includes monthly rental charges under Management Agreement for program facilities.
36-4405-429.572	Prof Svcs - Cleaning Services	866	3,500	2,634	25%	-	0%	Cleaning services outsourced mid-2024 (<i>reduced Township Program Reimbursements above from prior part-time staff</i>).
36-4405-429.579	Prof Svcs - Enterprise Vehicle Leases	21,028	121,332	100,304	17%	24,632	18%	Comparable to prior year.
36-4405-429.581	Prof Svcs - DEP/Related Fines	-	6,500	6,500	0%	4,250	71%	Prior year includes multiple overflows due to significant January 9, 2024 weather event.
36-4405-429.582	Prof Svcs - PA One Call Services	5,717	42,000	36,283	14%	6,005	6%	
36-4405-429.588	Prof Svcs - PennDOT Expenses	1,160	2,000	841	58%	624	2%	
36-4405-429.600	Utilities - Vehicle Fuel	6,002	30,000	23,998	20%	6,151	19%	
36-4405-429.610	Utilities - Electric	1,135	4,000	2,865	28%	867	14%	
36-4405-429.612	Utilities - Electric - Pumps	5,098	20,000	14,903	25%	3,849	16%	
36-4405-429.620	Utilities - Natural Gas	1,890	4,800	2,910	39%	(543)	-10%	Credit received in 2024 skewing results; otherwise comparable.

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Sewer Fund (36)

As of March 31, 2025 and 2024

Account Number	Account Title	2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
36-4405-429.630	Utilities - Water	745	5,200	4,455	14%	763	11%	First quarter transmission and treatment billing from Swatara Township Authority. First quarter billing typically skews to early Q2 receipt and payment (<i>high in 2024 relative to January 9th event noted above</i>). First quarter billing typically skews to early Q2 receipt and payment. First quarter billing typically skews to early Q2 receipt and payment.
36-4405-429.632	Utilities - Water - Pumps	300	2,000	1,700	15%	197	4%	
36-4410-429.560	Prof Svcs - Swatara Transmission/Treatment	592,907	2,450,000	1,857,093	24%	609,132	47%	
36-4410-429.562	Prof Svcs - Swatara Flow Surcharges	-	35,000	35,000	0%	-	0%	
36-4410-429.564	Prof Svcs - CRW Transmission/Treatment	-	4,350,000	4,350,000	0%	-	0%	
36-4410-429.566	Prof Svcs - Paxtang Transmission	-	13,000	13,000	0%	-	0%	
Sewer Operations & Transmission Expenditures Subtotal		1,108,413	8,803,554	7,695,142	13%	1,168,884	22%	
36-4700-471.817	Debt - Principal - 2014 Bonds	590,000	590,000	-	100%	570,000	112%	All <u>bond</u> principal paid in April.
36-4700-471.818	Debt - Principal - 2015 Bonds	1,945,000	1,945,000	-	100%	1,845,000	18450%	
36-4700-471.819	Debt - Principal - 2016 Bonds	615,000	615,000	-	100%	590,000	112%	Monthly <u>loan</u> principal payments.
36-4700-471.820	Debt - Principal - 2019 PennVest Loan	142,527	573,354	430,827	25%	151,408	0%	
36-4700-471.822	Debt - Principal - 2019 Bonds	195,000	195,000	-	100%	210,000	86%	All <u>bond</u> interest paid semi-annually April/October.
36-4700-471.823	Debt - Principal - 2020A Bonds	545,000	545,000	-	100%	535,000	106%	
36-4700-471.826	Debt - Principal - 2020C Bonds	335,000	335,000	-	100%	335,000	94%	Monthly <u>loan</u> interest payments.
36-4700-471.827	Debt - Principal - 2022 Bonds	490,000	490,000	-	100%	470,000	0%	
36-4700-471.828	Debt - Principal - 2024 Bonds	5,000	5,000	-	100%	-	0%	Monthly <u>loan</u> interest payments.
36-4700-472.817	Debt - Interest - 2014 Bonds	27,318	46,080	18,763	59%	38,718	31%	
36-4700-472.818	Debt - Interest - 2015 Bonds	151,488	264,075	112,588	57%	188,388	42%	Monthly <u>loan</u> interest payments.
36-4700-472.819	Debt - Interest - 2016 Bonds	162,741	313,181	150,440	52%	174,541	43%	
36-4700-472.820	Debt - Interest - 2019 PennVest Loan	42,209	165,592	123,383	25%	41,032	20%	Monthly <u>loan</u> interest payments.
36-4700-472.822	Debt - Interest - 2019 Bonds	754,725	1,505,550	750,825	50%	758,925	49%	
36-4700-472.823	Debt - Interest - 2020A Bonds	469,750	934,050	464,300	50%	475,100	49%	Monthly <u>loan</u> interest payments.
36-4700-472.826	Debt - Interest - 2020C Bonds	380,600	759,556	378,956	50%	382,159	52%	
36-4700-472.827	Debt - Interest - 2022 Bonds	83,900	158,000	74,100	53%	93,300	0%	Monthly <u>loan</u> interest payments.
36-4700-472.828	Debt - Interest - 2024 Bonds	366,250	732,425	366,175	50%	-	0%	
Debt Service Expenditures Subtotal		7,301,507	10,171,863	2,870,357	72%	6,858,570	79%	
TOTAL SEWER FUND OPERATING EXPENDITURES		8,671,278	20,234,284	11,563,006	43%	8,248,089	47%	
NET OPERATING CHANGE IN RESERVES		\$ (4,294,400)	\$ (1,474,284)	\$ (2,820,116)		\$ (3,250,668)		
OPERATING CASH BALANCES (Estimated)		\$ 17,112,742				\$ 18,221,347		

CAPITAL REVENUES:								
36-3900-341.04	Interest Earnings - PLGIT Bonds	\$ 140,578	\$ 222,000	\$ (81,422)	63%	\$ 95,765	64%	Interest earned will be later adjusted by arbitrage reduction (for earnings in excess allowed for future remittance to the IRS); anticipated on-par with budget.
36-3900-354.04	State - Sewer Grants	-	200,000	(200,000)	0%	-	0%	State grant towards PC-3 improvements project below; entire \$1 million accrued in 2024 (received early 2025).

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Sewer Fund (36)

As of March 31, 2025 and 2024

Account Number	Account Title	2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
36-3900-392.01	Transfers In - Township Capital Funds	-	1,400,826	(1,400,826)	0%	-	0%	Reflects estimate for Township-awarded grants, passed through to Authority, for the PC-3 project (construction, after CFA grant accounted for above).
TOTAL SEWER FUND CAPITAL REVENUES		140,578	1,822,826	(1,682,248)	8%	16,003,368	10633%	
CAPITAL EXPENDITURES:								
36-4800-429.940	Capital - Paxton Creek Act 537 Improvements	-	700,000	700,000	0%	-	0%	Paxton Creek North Branch Susquehanna Project bid early 2023 (Susquehanna to bill Township respective project cost share, anticipated in 2025 at \$700,000).
36-4900-429.910	Capital - Equipment Purchases	-	48,500	48,500	0%	66,941	8%	2025 proposal for cost share of drone (\$9,000) and Smart Board and furniture (\$7,500), and lateral launch camera (\$22,000) and miscellaneous replacements (\$10,000).
36-4900-429.940	Capital - Engineering GIS	740	20,000	19,261	4%	-	0%	
36-4900-429.941	Capital - Engineering Data Analysis	26,234	95,000	68,766	28%	21,994	19%	Engineering assistance for data analysis metering data and BC modeling, reporting, and management/Board support.
36-4900-429.942	Capital - Enigneering Meetings & Reporting	-	-	-	0%	4,163	12%	
36-4900-429.943	Capital - Mainline Repairs	51,145	1,600,000	1,548,855	3%	33,236	13%	Annual maintenance and main line sewer repairs necessary in system, with minor engineering support; significant expansion for PC-2/external repairs contract (\$1.8 million total estimate).
36-4900-429.944	Capital - Metering	330	35,000	34,670	1%	12,933	15%	Metering data, maintenance, and replacement costs relative to sewer flow monitoring.
36-4900-429.951	Capital - PC-2 Sewer Improvements	649,939	1,650,000	1,000,061	39%	36,254	0%	Expected 2025 completion of improvement projects bid/awarded in mid-2024.
36-4900-429.952	Capital - PC-3 Sewer Improvements	879,251	10,000,000	9,120,749	9%	7,201	0%	Expected late 2025 completion (may extend) of improvement projects bid/awarded in mid-2024.
36-4900-429.961	Capital - BC-2/5 Sewer Improvements	-	-	-	0%	1,215	0%	
36-4900-429.966	Capital - BC-7 Sewer Improvements	75,399	250,000	174,601	30%	736,885	211%	Expected substantial completion in 2024, with final work/releases in early 2025.
TOTAL SEWER FUND CAPITAL EXPENDITURES		\$ 1,683,373	\$ 14,398,500	\$ 12,715,127	12%	\$ 1,122,180	6%	
NET CAPITAL CHANGE IN RESERVES		\$ (1,542,795)	\$ (12,575,674)	\$ (14,397,375)		\$ (1,109,246)		
CAPITAL CASH BALANCES (Estimated)		\$ 10,383,863				\$ 17,240,763		
TOTAL SEWER FUND EXPENDITURES		\$ 10,354,650	\$ 34,632,784	\$ 24,278,134	30%	\$ 9,370,269	26%	
NET TOTAL SEWER FUND CHANGE IN RESERVES		\$ (5,837,195)	\$ (14,049,958)	\$ 8,212,763		\$ 11,630,520		
OPERATING & CAPITAL CASH BALANCES (Estimated)		\$ 27,496,605				\$ 35,462,110		

ENGINEER'S REPORT

23 May 2025

Title	Engineer's Report for the Lower Paxton Township Authority		
Copy to	Lower Paxton Township Authority		
From	Melissa Tomich Smith, PE	Tel	717-541-0622
Subject	Engineer's Report for Active Projects	Project no.	1257258

The following is a summary of GHD's activities since the February 20th meeting.

1. DEP Consent Order and Annual Report

GHD has prepared a draft 3rd CAP for the Beaver Creek Basin. Due to the overall success of the program, the 3rd CAP proposes to eliminate a few projects and to extend the construction dates of others. A draft copy of the proposed 3rd CAP is attached. If the Board approves, GHD will present this new CAP to DEP with the annual report.

GHD is currently working on the Annual Report data analysis. It should be celebrated that there have been no overflows in the 2024/2025 water year!

1.1 Modeling

GHD has updated the Beaver Creek model to evaluate the following:

- IDF rankings per DEP's request
- The restrictions in the lower section of the Nyes Road Interceptor
- Removal expectation for projects proposed in the Beaver Creek CAP

GHD is reviewing these items and how they will affect the number of remaining projects needed to meet the CAP requirements. The results will be included with the Annual Report to DEP.

2. Wet Weather Summary

The wet weather events (WWEs) in January, February, and March of 2025 are presented in the following table. There was zero (0) extreme, five (5) significant, and five (5) minor WWEs. There were no overflows reported during this metering period and no IMA limits were exceeded.

Wet Weather Event Summary Table

Date	Rainfall (in.) ⁽¹⁾	MH 2790 Control Basin Peak (mgd) ⁽²⁾	Pre-Groundwater (ft)	Post-Groundwater (ft)	Storm Category	Weather Summary & Notes	Overflows
1/31/25	0.3	0.17	444.2	444.4	Minor	-	No
2/6/25	0.3	0.21	443.6	444.4	Minor	-	No
2/9/25	0.4	0.25	443.7	444.6	Minor	-	No
2/13/25	0.3	0.31	444.6	445.0	Significant	-	No
2/16/25	0.7	0.61	444.7	445.1	Significant	-	No
2/27/25	0.1	0.19	444.8	444.9	Minor	-	No
3/5/25	1.00	0.34	444.8	445.1	Significant	-	No
3/16/25	1.4	0.43	444.9	445.5	Significant	-	No
3/24/25	0.1	0.31	445.1	444.5	Significant	-	No
3/31/25	0.3	0.26	444.8	444.9	Minor	-	No

(1) Rainfall data from Koons Park Rain Gauge (RG 753).

(2) Control basin flow reduced by a correction factor of 0.13 mgd to account for growth in the basin @ 850 gpd/EDU.

3. CRW Intermunicipal Agreement

A meeting was held on the morning of April 30, 2025, with CRW, CDM Smith, and GHD to review a draft diagram of flow from all the partners and CRW. A secondary afternoon meeting was held between the municipal partners and CRW to discuss the status of the cost of service. The next pair of meetings are scheduled for May 28, 2025. The objectives are as follows:

1. Consultants work together to develop multiple approaches to distribute cost allocation for CRW's Capital Improvement Projects and then present them to the group.
2. Completion of a limited cost of service study and wholesale rates development.
3. Allocate a limited cost of service / rate study will result in separate rates for each of the municipals as if they were separate rate classes and the balance of CRW customers, the retail sector, will be treated as one customer class.
4. Development on memorandum of understanding.

4. Construction Projects

4.1 BC-7A/7B/7C/7D/8C/8D

The sanitary sewer work was substantially complete as of July 9, 2024. The storm sewer work was substantially complete as of April 21, 2025. During this period, the contractor was completing punch list items including temporary and final paving, ADA ramp installations, curb and sidewalk replacement. Only paving and punch list items remain.

Change Order No. 2 was approved by the Board of Supervisors with the understanding that the proposed time extension would be adjusted if PPL did not meet the 4/1/2025 deadlines, as DOLI could not finish the storm sewer work until PPL removed the electrical line. PPL completed their work on 4/10/2025. As PPL was not onsite 4/1/2025, the substantial and final completion dates are as follows per Change Order No. 2:

- Substantial Completion: 4/30/2025 (Substantial completion was achieved on 4/21/2025)
- Final Completion: 5/27/2025

DOLI has indicated that the punch list should be completed by June 6th but that date is weather dependant. DOLI also stated that the paving crew would be back onsite June 23rd and they estimate two weeks to finish the paving, rolled curbs and overlays.

4.2 PC-2E Trunkline Project

PACT One started work on the replacement project on January 20th. All of the sanitary sewer work is complete, minus the testing and some restoration and all of the storm sewer and stream restoration work is complete except for the storm sewer crossing Blue Mountain Parkway. This work is excepted to be completed after school is out for the summer due to the required road closure and detour.

GHD is currently reviewing applications for payment and performing misc. construction engineering services.

4.3 Misc. External Mainline Repairs

The Misc. External Mainline Repairs were bid with the PC-2E Trunkline Project and awarded to PACT One, LLC. PACT One is currently completing these repairs. Repairs No. 2, 5, 10 and 12 have been completed. Final completion of all repairs is scheduled for August 11, 2025. The Township Construction Crew is also completing several additional repairs that were determined to be well suited for the crew and were not part of the bid documents. These repairs are scheduled to be completed by August 2025.

4.4 Annual Township Paving Project– Sewer Repairs

Township Staff have been televising sanitary sewer mains, ahead of the Township's Annual Paving Project, to determine if any external sanitary sewer repairs are needed prior to paving. The videos are reviewed by Township Staff and GHD. The Township Construction Crew is currently in the process of replacing several defective sewer sections prior to the start of the paving project, which is currently scheduled to begin in June 2025.

5. Wilshire Road Request for Sanitary Sewer Extension

GHD prepared the DCED Small Water grant application and submitted it to the funding agency by the April 30th deadline. The project will be on hold until the Authority hears if they received the grant money or not.

6. Emergency Repairs to the Wastewater and Stormwater Collection System

No Work Orders were issued this period. Three work orders have been issued to Rogele to date under the current contract. Work Order number 1 was to repair 20 LF of broken pipe on Kalla Drive, Work Order number 2 was to repair a force main break at the Colonial Road pumping station and Work Order number 3 was to repair a collapsed pipe located on Stradford Drive that consisted of replacing approximately 10 LF of sewer main.

7. PennDOT Projects

7.1 Locust Lane (MPMS #108527)

The time extension to the Locust Lane HOP was approved by PennDOT. Township staff will raise the manhole frame and covers in the summer of 2025 before the PennDOT paving project is completed in the fall of 2025.

7.2 Nyes Road Bridge Replacement (MPMS #117189)

GHD attended a meeting with PennDOT on January 30th. PennDOT will be replacing the bridge on Nyes Road north of its intersection with Pin Hill Road. Township staff will provide risers and new frame and covers for two manholes that will need to be adjusted. PennDOT will televise the adjacent sanitary sewer main before and after construction to ensure that the construction did not compromise the structural integrity of the pipe.

8. Developments

GHD's activities since the February 20th meeting:

- Cider Press: Construction is underway.
- Raising Canes: the sampling manhole and connection to the existing manhole did not pass. Their contractor is working on these repairs and will contact Staff to view the follow-up testing.
- Union Deposit Road (Ricker Properties): GHD reviewed the first drawing submission and provided a review letter on April 15, 2025.

April 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
		PC-3E Banbridge Stormwater Work				
6	7	8	9	10	11	12
	PC-3E Banbridge Stormwater Work					
13	14	15	16	17	18	19
	Dartmouth Sewer Repairs (Paving Project)			Darthmouth Storm Repairs		
20	21	22	23	24	25	26
	Dartmouth Sewer Repairs (Paving Project)			Darthmouth Storm Repairs		
27	28	29	30			
	Dartmouth Sewer Repairs (Paving Project)					

May 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
				Darthmouth Storm Repairs		
4	5	6	7	8	9	10
	Dartmouth Sewer Repairs (Paving Project)			Darthmouth Storm Repairs		
11	12	13	14	15	16	17
	Londonderry Storm Repairs (Paving Project)					
18	19	20	21	22	23	24
	Londonderry Sewer Repairs (Paving Project)					
25	26	27	28	29	30	31
	Memorial Day	Londonderry Sewer Repairs (Paving Project)				

June 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
	Londonderry Sewer Repairs (Paving Project)					
8	9	10	11	12	13	14
	Londonderry Storm Repairs (Paving Project)					
15	16	17	18	19	20	21
	Feeser & Willow Storm Repairs (Paving Project)					
22	23	24	25	26	27	28
	PC-3E Stormwater Work (Lancaster Ave)					
29	30					
	PC-3E					



Santo Circle Construction



Santo Circle Construction



Santo Circle Construction



Banbridge
Construction



Banbridge
Construction



Banbridge Construction

Darhmouth Paving Project Repairs



Darhmouth Paving Project Repairs



Darhmouth Paving Project Repairs



Darhmouth Paving Project Repairs



Darhmouth Paving Project Repairs



Darhmouth Paving Project Repairs



Kenwood Avenue Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
12 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	38.00	LF	\$12.50	\$475.00	
15 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	173.00	LF	\$16.60	\$2,871.80	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	203.00	LF	\$21.60	\$4,384.80	
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	245.00	LF	\$34.99	\$8,572.55	
30" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	36.00	LF	\$51.66	\$1,859.76	
Type 4 INLET BOX WITH MANHOLE TOP	1.00	EA	\$1,040.00	\$1,040.00	
STANDARD INLET BOX WITH MANHOLE TOP	2.00	EA	\$955.00	\$1,910.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	4.00	EA	\$1,016.00	\$4,064.00	
STANDARD INLET BOX WITH STEEL INLET FRAME AND GRATE	1.00	EA	\$1,397.00	\$1,397.00	
STANDARD INLET BOX WITH TYPE C TOP AND STANDARD GRATE	3.00	EA	\$1,397.00	\$4,191.00	
TYPE D-W ENDWALL	1.00	EA	\$800.00	\$800.00	
2A AGGREGATE	250.00	TON	\$13.50	\$3,375.00	
AASHTO #57 AGGREGATE	250.00	TON	\$16.50	\$4,125.00	
R-5 RIP RAP	30.00	TON	\$29.56	\$886.80	
CLASS 4, TYPE A GEOTEXTILE	23.00	SY	\$1.91	\$43.93	
TEMPORARY PAVING	20.00	TON	\$66.00	\$1,320.00	
LANDSCAPE RESTORATION	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$43,316.64	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPMENT	25.00	DAY	\$1,821.37	\$45,534.25	
Labor Total				\$46,808.33	
Services Provided By Others/Rentals					
EQUIPMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$90,674.97	
5% Contingency				\$4,533.75	
Project Total				\$95,208.72	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equipment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$215,520.90
Crew	\$95,208.72
Savings	\$120,312.18

Tyler Drive Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	501.00	LF	\$21.60	\$10,821.60	
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	90.00	LF	\$34.99	\$3,149.10	
STANDARD INLET BOX WITH MANHOLE TOP	1.00	EA	\$955.00	\$955.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	8.00	EA	\$1,016.00	\$8,128.00	
TYPE 4 INLET BOX WITH TYPE C TOP AND STANDARD GRATE	4.00	EA	\$1,397.00	\$5,588.00	
2A AGGREGATE	200.00	TON	\$13.50	\$2,700.00	
AASHTO #57 AGGREGATE	185.00	TON	\$16.50	\$3,052.50	
TEMPERARY PAVING	20.00	TON	\$66.00	\$1,320.00	
LANDSCAPE RESTORATION	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$37,714.20	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	30.00	DAY	\$1,821.37	\$54,641.10	
Labor Total				\$55,915.18	
Services Provided By Others/Rentals					
EQUIPMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$94,179.38	
5% Contingency				\$4,708.97	
Project Total				\$98,888.35	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equiptment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$202,673.10
Crew	\$98,888.35
Savings	\$103,784.75

Devonshire Heights Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
15 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	292.00	LF	\$16.60	\$4,847.20	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	409.00	LF	\$21.60	\$8,834.40	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	7.00	EA	\$1,016.00	\$7,112.00	
STANDARD INLET BOX WITH STEEL INLET FRAME AND GRATE	4.00	EA	\$1,397.00	\$5,588.00	
TYPE D-W ENDWALL	2.00	EA	\$800.00	\$1,600.00	
2A AGGREGATE	270.00	TON	\$13.50	\$3,645.00	
AASHTO #57 AGGREGATE	270.00	TON	\$16.50	\$4,455.00	
R-5 RIP RAP	42.00	TON	\$29.56	\$1,241.52	
CLASS 4, TYPE A GEOTEXTILE	36.00	SY	\$1.91	\$68.76	
TEMPERARY PAVING	40.00	TON	\$66.00	\$2,640.00	
LANDSCAPE RESTORATION	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$42,031.88	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	33.00	DAY	\$1,821.37	\$60,105.21	
Labor Total				\$61,379.29	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$103,961.17	
5% Contingency				\$5,198.06	
Project Total				\$109,159.23	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equiptment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$216,306.30
Crew	\$109,159.23
Savings	\$107,147.07

Crums Mill Road Culvert at Laraby Drive Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
36" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	41	LF	\$75.50	\$3,095.50	
18" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	37	LF	\$21.60	\$799.20	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	1	EA	\$1,226.00	\$1,226.00	
STANDARD INLET BOX WITH TYPE M TOP AND STEEL INLET FRAME AND GRATE	1	EA	\$1,016.00	\$1,016.00	
TYPE D-W ENDWALL	1	EA	\$800.00	\$800.00	
2A AGGREGATE	45	TON	\$13.50	\$607.50	
AASHTO #57 AGGREGATE	40	TON	\$16.50	\$660.00	
R-6 RIP RAP	15	TON	\$29.56	\$443.40	
CLASS 4, TYPE A GEOTEXTILE	10	SY	\$1.91	\$19.10	
TEMPERARY PAVING	10	TON	\$66.00	\$660.00	
LANDSCAPE RESTORATION	1	LS	\$1,000.00	\$1,000.00	
Materials Total				\$10,326.70	
Labor					
MOBILIZATION	1	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	9	DAY	\$1,821.37	\$16,392.33	
Labor Total				\$17,666.41	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$28,543.11	
5% Contingency				\$1,427.16	
Project Total				\$29,970.27	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equipment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$47,449.50
Crew	\$29,970.27
Savings	\$17,479.23

Crums Mill Road at Commerce Drive Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	84	LF	\$ 34.99	\$2,939.16	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	340	LF	\$21.60	\$7,344.00	
STANDARD INLET BOX WITH TYPE C TOP AND STANDARD GRATE	5	EA	\$ 1,191.00	\$5,955.00	
4 INLET BOX WITH TYPE M TOP AND STANDARD GRATE	3	EA	\$ 1,040.00	\$3,120.00	
TYPE D-W ENDWALL	1	EA	\$800.00	\$800.00	
2A AGGREGATE	160	TON	\$13.50	\$2,160.00	
AASHTO #57 AGGREGATE	150	TON	\$16.50	\$2,475.00	
R-6 RIP RAP	51	TON	\$29.56	\$1,507.56	
CLASS 4, TYPE A GEOTEXTILE	32	SY	\$1.91	\$61.12	
TEMPERARY PAVING	24	TON	\$66.00	\$1,584.00	
LANDSCAPE RESTORATION	1	LS	\$1,000.00	\$1,000.00	
Materials Total				\$28,945.84	
Labor					
MOBILIZATION	1	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	20	DAY	\$1,821.37	\$36,427.40	
Labor Total				\$37,701.48	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$67,197.32	
5% Contingency				\$3,359.87	
Project Total				\$70,557.19	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equiptment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$151,191.60
Crew	\$70,557.19
Savings	\$80,634.41

Old Locust Lane Cost Estimate

Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
Standard Concrete Box; Type M top; Steel Grate and Frame	1.00	EA	\$1,110.00	\$1,110.00	
Type D-W Endwall	1.00	LS	\$4,600.00	\$4,600.00	*2 Endwalls
8" PVC Pipe	250.00	LF	\$10.95	\$2,737.50	
18" SLCPP	76.00	LF	\$21.60	\$1,641.60	
38" X 60" RCP	1.00	LS	\$9,062.52	\$9,062.52	*32 LF of pipe
R-5 Rip Rap	16.00	TON	\$24.00	\$384.00	
R-4 Rip Rap	21.91	TON	\$22.50	\$492.98	
2A Stone	21.81	TON	\$15.00	\$327.15	
2B Stone	54.01	TON	\$16.75	\$904.67	
Temporary Paving	18.00	TON	\$66.00	\$1,188.00	
Landscape Restoration	1.00	LS	\$2,000.00	\$2,000.00	
Class 2 Type A Geotextile	1.00	LS	\$2,000.00	\$2,000.00	
Materials Total				\$26,448.41	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	26.00	DAY	\$1,821.37	\$47,355.62	
Labor Total				\$48,629.70	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1.00	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$75,628.11	
5% Contingency				\$3,781.41	
Project Total				\$79,409.52	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equipment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$102,445.21
Crew	\$79,409.52
Savings	\$23,035.69

Oak Avenue Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
12 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	121.00	LF	\$12.50	\$1,512.50	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	3.00	EA	\$1,073.33	\$3,220.00	
2A AGGREGATE	30.00	TON	\$13.50	\$405.00	
AASHTO #57 AGGREGATE	25.00	TON	\$16.50	\$412.50	
R-3 RIP RAP	1.00	TON	\$21.56	\$21.56	
CLASS 4, TYPE A GEOTEXTILE	10.00	SY	\$1.91	\$19.10	
TEMPORARY PAVING	5.00	TON	\$66.00	\$330.00	
LANDSCAPE RESTORATION	1.00	LS	\$1,000.00	\$1,000.00	
Materials Total				\$6,920.66	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	4.00	DAY	\$1,821.37	\$7,285.48	
Labor Total				\$8,559.56	
Services Provided By Others/Rentals					
Services Provided By Others/Rentals Total				\$0.00	
Project Subtotal				\$15,480.22	
5% Contingency				\$774.01	
Project Total				\$16,254.23	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equipment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$40,220.36
Crew	\$16,254.23
Savings	\$23,966.13

Wilshire Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
2 1/2" Schedule 40 PVC Pipe	5.00	LF	\$12.40	\$62.00	
2 1/2" Schedule 40 PVC Repair Couplers	2.00	EA	\$3.11	\$6.22	
2A Aggregate	2.00	TON	\$13.50	\$27.00	
Temporary Paving	1.00	TON	\$62.24	\$62.24	
Materials Total				\$157.46	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	1.00	DAY	\$1,821.37	\$1,821.37	
Labor Total				\$3,095.45	
Services Provided By Others/Rentals					
Services Provided By Others/Rentals Total				\$0.00	
Project Subtotal				\$3,252.91	
5% Contingency				\$162.65	
Project Total				\$3,415.56	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equiptment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$12,769.98
Crew	\$3,415.56
Savings	\$9,354.42

Dorchester Cost Estimate					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
8" SDR 35 PVC	180.00	LF	\$10.95	\$1,971.00	
2A Stone	120.00	TON	\$13.50	\$1,620.00	
2B Stone	110.00	TON	\$16.50	\$1,815.00	
Temporary Paving	13.00	TON	\$21.56	\$280.28	
Materials Total				\$5,686.28	
Labor					
MOBILIZATION	1.00	DAY	\$1,274.08	\$1,274.08	
PROJECT LABOR - INCLUDING EQUIPTMENT	9.00	DAY	\$1,821.37	\$16,392.33	
Labor Total				\$17,666.41	
Services Provided By Others/Rentals					
EQUIPTMENT HAULING	1	LS	\$550.00	\$550.00	Hauling of 245 Excavator
Services Provided By Others/Rentals Total				\$550.00	
Project Subtotal				\$23,902.69	
5% Contingency				\$1,195.13	
Project Total				\$25,097.82	
Assumptions 1) Quantities based on current design 2) Equipment hauling covers mobilization only. Demobilization will be charged as mobilization to future project. 3) Mobilization labor is man labor only, no equiptment. 4) Crew will complete topsoil, seeding, and temporary paving, all other restoration will be completed by contractor.					

Savings Review	
Contractor	\$40,332.29
Crew	\$25,097.82
Savings	\$15,234.47

Employee Costs	
Employee	Rate (per hr):
Crew Leader	\$46.12
Truck Driver/Laborer	\$27.02
Operator	\$31.21
Laborer	\$27.41
Truck Driver	\$27.50
Hourly Labor Rate	\$159.26
Daily Labor Rate	\$1,274.08 (Based on 8 hour work day)

Equipment Costs	
Equipment	Purchase Cost
Tri Axle	\$185,000
Tri Axle	\$180,000
Hitachi 125	\$185,000
Hitachi 245	\$228,860
Trailer	\$20,000
Dozer	\$95,000
Loader	\$243,179
Total	\$1,137,039
Yearl Depreciation @ 10 Years	\$113,703.90
Daily Equipment Rate	\$458.48
Daily Insurance Rate	\$69.21
Avg. Daily Fuel Rate	\$19.60
Total Daily Rate	\$547.29

Labor Rate Including Equipment	\$1,821.37	
* Based on 248 working days a year (Factors out weekends and Township Holidays)		
Mobilization Rate (Labor Only)	\$1,274.08	

* Equipment is trailered in to the sites of work. Meaning that there is only Lbaor involved in our mobilization process of moving equipment from site to site. Also, there is no demobilization factored as we are always moving from job to job so only mobilization is a factor.

Overall Total fo 2024
\$527,960.88

Cost Comparison 2024	\$
Bid Costs	\$1,028,936.23
Crew Costs	\$527,960.88
Difference (Savings)	\$500,975.35

Cost per Foot (3,121 LF)
\$169.16

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Kenwood Avenue Cost Estimate (Bid)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
12 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	38.00	LF	\$134.00	\$5,092.00	
15 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	173.00	LF	\$160.00	\$27,680.00	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	203.00	LF	\$178.00	\$36,134.00	
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	245.00	LF	\$200.00	\$49,000.00	
30" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	36.00	LF	\$278.00	\$10,008.00	
Type 4 INLET BOX WITH MANHOLE TOP	1.00	EA	\$6,500.00	\$6,500.00	
STANDARD INLET BOX WITH MANHOLE TOP	2.00	EA	\$5,000.00	\$10,000.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	4.00	EA	\$5,500.00	\$22,000.00	
STANDARD INLET BOX WITH STEEL INLET FRAME AND GRATE	1.00	EA	\$5,000.00	\$5,000.00	
STANDARD INLET BOX WITH TYPE C TOP AND STANDARD GRATE	3.00	EA	\$6,000.00	\$18,000.00	
TYPE D-W ENDWALL	1.00	EA	\$5,500.00	\$5,500.00	
2A AGGREGATE	250.00	TON			*Inlcuded with Pipe Total
AASHTO #57 AGGREGATE	250.00	TON			*Inlcuded with Pipe Total
R-5 RIP RAP	30.00	TON			*Inlcuded with Endwall Total
CLASS 4, TYPE A GEOTEXTILE	23.00	SY			*Inlcuded with Endwall Total
TEMPORARY PAVING	20.00	TON	\$332.00	\$6,640.00	
LANDSCAPE RESTORATION	1.00	LS	\$3,704.00	\$3,704.00	
Materials Total				\$205,258.00	
Project Subtotal				\$205,258.00	
5% Contingency				\$10,262.90	
Project Total				\$215,520.90	

Tyler Drive Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	501.00	LF	\$178.00	\$89,178.00	
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	90.00	LF	\$200.00	\$18,000.00	
STANDARD INLET BOX WITH MANHOLE TOP	1.00	EA	\$5,500.00	\$5,500.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	8.00	EA	\$5,500.00	\$44,000.00	
TYPE 4 INLET BOX WITH TYPE C TOP AND STANDARD GRATE	4.00	EA	\$6,500.00	\$26,000.00	
2A AGGREGATE	200.00	TON			*Inlcuded with Pipe Total
AASHTO #57 AGGREGATE	185.00	TON			*Inlcuded with Pipe Total
TEMPERARY PAVING	20.00	TON	\$332.00	\$6,640.00	
LANDSCAPE RESTORATION	1.00	LS	\$3,704.00	\$3,704.00	
Materials Total				\$193,022.00	
Project Subtotal				\$193,022.00	
5% Contingency				\$9,651.10	
Project Total				\$202,673.10	

Devonshire Heights Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
15 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	292.00	LF	\$160.00	\$46,720.00	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	409.00	LF	\$178.00	\$72,802.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	7.00	EA	\$5,500.00	\$38,500.00	
STANDARD INLET BOX WITH STEEL INLET FRAME AND GRATE	4.00	EA	\$5,000.00	\$20,000.00	
TYPE D-W ENDWALL	2.00	EA	\$5,500.00	\$11,000.00	
2A AGGREGATE	270.00	TON		\$0.00	*Inlcuded with Pipe Total
AASHTO #57 AGGREGATE	270.00	TON		\$0.00	*Inlcuded with Pipe Total
R-5 RIP RAP	42.00	TON		\$0.00	*Inlcuded with Endwall Total
CLASS 4, TYPE A GEOTEXTILE	36.00	SY		\$0.00	*Inlcuded with Endwall Total
TEMPERARY PAVING	40.00	TON	\$332.00	\$13,280.00	
LANDSCAPE RESTORATION	1.00	LS	\$3,704.00	\$3,704.00	
Materials Total				\$206,006.00	
Project Subtotal				\$206,006.00	
5% Contingency				\$10,300.30	
Project Total				\$216,306.30	

Crums Mill Road Culvert at Laraby Drive Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
36" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	41	LF	\$380.00	\$15,580.00	
18" SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	37	LF	\$178.00	\$6,586.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	1	EA	\$5,500.00	\$5,500.00	
STANDARD INLET BOX WITH TYPE M TOP AND STEEL INLET FRAME AND GRATE	1	EA	\$5,000.00	\$5,000.00	
TYPE D-W ENDWALL	1	EA	\$5,500.00	\$5,500.00	
2A AGGREGATE	45	TON		\$0.00	*Inlcuded with Pipe Total
AASHTO #57 AGGREGATE	40	TON		\$0.00	*Inlcuded with Pipe Total
R-6 RIP RAP	15	TON		\$0.00	*Inlcuded with Endwall Total
CLASS 4, TYPE A GEOTEXTILE	10	SY		\$0.00	*Inlcuded with Endwall Total
TEMPERARY PAVING	10	TON	\$332.00	\$3,320.00	
LANDSCAPE RESTORATION	1	LS	\$3,704.00	\$3,704.00	
Materials Total				\$45,190.00	
Project Subtotal				\$45,190.00	
5% Contingency				\$2,259.50	
Project Total				\$47,449.50	

Crums Mill Road at Commerce Drive Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
24 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	84	LF	\$ 200.00	\$16,800.00	
18 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	340	LF	\$178.00	\$60,520.00	
STANDARD INLET BOX WITH TYPE C TOP AND STANDARD GRATE	5	EA	\$ 6,000.00	\$30,000.00	
Type 4 INLET BOX WITH TYPE M TOP AND STANDARD GRATE	3	EA	\$ 6,500.00	\$19,500.00	
TYPE D-W ENDWALL	1	EA	\$5,500.00	\$5,500.00	
2A AGGREGATE	160	TON		\$0.00	*Inlcuded with Pipe Total
AASHTO #57 AGGREGATE	150	TON		\$0.00	*Inlcuded with Pipe Total
R-6 RIP RAP	51	TON		\$0.00	*Inlcuded with Endwall Total
CLASS 4, TYPE A GEOTEXTILE	32	SY		\$0.00	*Inlcuded with Endwall Total
TEMPERARY PAVING	24	TON	\$332.00	\$7,968.00	
LANDSCAPE RESTORATION	1	LS	\$3,704.00	\$3,704.00	
Materials Total				\$143,992.00	
Project Subtotal				\$143,992.00	
5% Contingency				\$7,199.60	
Project Total				\$151,191.60	

Old Locust Lane Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
Standard Concrete Box; Type M top; Steel Grate and Frame	1.00	EA	\$6,500.00	\$6,500.00	
Type D-W Endwall	1.00	LS	\$11,040.00	\$11,040.00	*2 Endwalls
8" PVC Pipe	250.00	LF	\$65.00	\$16,250.00	
18" SLCPP	76.00	LF	\$260.00	\$19,760.00	
38" X 60" RCP	1.00	LS	\$18,125.04	\$18,125.04	*32 LF of pipe
R-5 Rip Rap	16.00	TON	\$260.00	\$4,160.00	
R-4 Rip Rap	21.91	TON	\$205.00	\$4,491.55	
2A Stone	21.81	TON	\$92.59	\$2,019.39	
2B Stone	54.01	TON	\$102.59	\$5,540.89	
Temporary Paving	18.00	TON	\$332.00	\$5,976.00	
Landscape Restoration	1.00	LS	\$3,704.00	\$3,704.00	
Class 2 Type A Geotextile	1.00	LS		\$0.00	*Inlcuded with Endwall Total
Materials Total				\$97,566.86	
Project Subtotal				\$97,566.86	
5% Contingency				\$4,878.34	
Project Total				\$102,445.21	

Oak Avenue Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
12 " SMOOTH LINED CORRUGATED POLYETHYLENE PIPE	121.00	LF	\$134.00	\$16,214.00	
STANDARD INLET BOX WITH TYPE M TOP AND STANDARD GRATE	3.00	EA	\$5,500.00	\$16,500.00	
2A AGGREGATE	30.00	TON		\$0.00	*Inlcuded with Pipe Total
AASHTO #57 AGGREGATE	25.00	TON		\$0.00	*Inlcuded with Pipe Total
R-3 RIP RAP	1.00	TON	\$208.00	\$208.00	
CLASS 4, TYPE A GEOTEXTILE	10.00	SY	\$1.91	\$19.10	
TEMPORARY PAVING	5.00	TON	\$332.00	\$1,660.00	
LANDSCAPE RESTORATION	1.00	LS	\$3,704.00	\$3,704.00	
Materials Total				\$38,305.10	
Project Subtotal				\$38,305.10	
5% Contingency				\$1,915.26	
Project Total				\$40,220.36	

Wilshire Cost Estimate (Emergency Contract)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
2 1/2" Schedule 40 PVC Pipe	5.00	LF	\$14.26	\$71.30	
2 1/2" Schedule 40 PVC Repair Couplers	2.00	EA	\$3.58	\$7.16	
2A Aggregate	2.00	TON	\$15.45	\$30.90	
Temporary Paving	1.00	TON	\$62.24	\$62.24	
Materials Total				\$171.60	
Labor					
MOBILIZATION	1.00	DAY	\$10,000.00	\$5,000.00	
PROJECT LABOR - INCLUDING EQUIPTMENT	1.00	DAY	\$7,016.00	\$7,016.00	
Labor Total				\$12,016.00	
Services Provided By Others/Rentals					
Services Provided By Others/Rentals Total				\$0.00	
Project Subtotal				\$12,187.60	
5% Contingency				\$609.38	
Project Total				\$12,796.98	

Dorchester Cost Estimate (BID)					
Item Description	Estimated Quantity	UOM	Unit Price	Total Price	Notes
Materials					
8" SDR 35 PVC	180.00	LF	\$65.00	\$11,700.00	
2A Stone	120.00	TON	\$92.59	\$11,110.80	
2B Stone	110.00	TON	\$102.59	\$11,284.90	
Temporary Paving	13.00	TON	\$332.00	\$4,316.00	
Materials Total				\$38,411.70	
Project Subtotal				\$38,411.70	
5% Contingency				\$1,920.59	
Project Total				\$40,332.29	

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Overall Total fo 2024
\$1,028,936.23

Cost per Foot (3,121 LF)
\$329.68

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Stormwater Fund (40)

As of March 31, 2025 and 2024

Account NumberAccount Title		2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
OPERATING REVENUES:								Rates have been stable (in excess of budgeted expectations), and a large portion of investments are locked at 4.44% through October, with interest posting to occur at that time. Collections up 4% over prior year, with anticipated further acceleration in Q2/further for heightened delinquent collection efforts.
40-3001-341.01	Interest Earnings	\$30,280	\$189,000	\$(158,720)	16%	\$41,042	513%	
40-3001-364.15	Stormwater - Fee Charges	867,280	3,450,000	(2,582,720)	25%	836,316	28%	
TOTAL STORMWATER FUND REVENUES		897,560	3,639,000	(2,741,440)	25%	877,358	29%	
OPERATING EXPENDITURES:								Comparable to budget/prior year, though actual expenditures in 2025 exclude Pennsylvania Municipal League subscription (Township Board removed from budget). Includes bond fees charged during year; continue fee-free auto-ACH services, and pass-through online charges (excluding PCI Compliance fees). Awaiting billing from Smart Bill for outsourced bill processing/ mailing in 2025. Includes annual training (including CDL for new hires) and memberships paid in advance for the year; 2024 high for number of CDL training needs . Includes allocable share of Solicitor residency and stormwater-specific support services, and minimal debt collection fees (new agent fees shift most costs directly to accounts). Shift in engineer focus to project management (capital, below). No 2024 costs merely due to timing of receipt of auditor billings Temporary staff position, currently held vacant (evaluation ongoing for future full-time need or other staff changes). Includes monthly/quarterly cost assessments under Management Agreement for operational (non-program/capital) support and services. Includes monthly rental charges under Management Agreement for operational (non-program/capital) facilities. Annually high due to pre-payment on a number of IT subscriptions for the year; comparable with prior year. Annually high for annual plotter/scanner payment allocation; comparable with prior year.
40-4450-436.300	Supp & Admin - Office Supplies	1,424	15,000	13,576	9%	2,192	15%	
40-4450-436.306	Supp & Admin - IT Supplies	44	500	457	9%	425	0%	
40-4450-436.310	Supp & Admin - Bank Fees	589	4,905	4,316	12%	543	0%	
40-4450-436.312	Supp & Admin - Advertising	3	1,250	1,247	0%	56	7%	
40-4450-436.314	Supp & Admin - Postage	61	17,000	16,939	0%	3,648	19%	
40-4450-436.322	Supp & Admin - Training/Seminars	2,014	3,500	1,486	58%	2,472	494%	
40-4450-436.500	Prof Svcs - Solicitor & Debt Collection	1,759	28,000	26,241	6%	627	1%	
40-4450-436.510	Prof Svcs - Engineering Services	1,648	32,000	30,352	5%	6,453	22%	
40-4450-436.520	Prof Svcs - Accounting & Auditing	4,375	9,200	4,825	48%	-	0%	
40-4450-436.521	Prof Svcs - Contracted Labor	-	-	-	0%	2,189	0%	
40-4450-436.530	Prof Svcs - Township Management Admin Reimbursements	61,530	364,798	303,268	17%	53,608	5%	
40-4450-436.535	Prof Svcs - Township Admin Rents	2,533	20,000	17,467	13%	3,689	14%	
40-4450-436.542	Prof Svcs - IT Subscriptions/Licenses	23,318	39,750	16,432	59%	20,667	143%	
40-4450-436.570	Prof Svcs - Copier Maintenance Contracts	744	2,000	1,256	37%	877	0%	

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Stormwater Fund (40)

As of March 31, 2025 and 2024

Account Number	Account Title	2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
40-4450-436.598	Prof Svcs - Communications & Newsletter Services	-	2,310	2,310	0%	193	0%	Shared allocation for third-party communications management services.
40-4450-436.670	Utilities - Telephone & Alarm	1,507	7,000	5,493	22%	630	10%	
40-4450-436.750	Misc - Rain Barrel Rebates	-	200	200	0%	-	0%	
40-4450-486.730	Misc - Liability & Casualty Insurances	10,450	21,000	10,550	50%	5,430	543%	Reflects a number of reduced premium costs for specific coverage lines, and additional cost shift to stormwater due to labor divisions.
Administration - General Services Expenditures Subtotal		111,998	568,413	456,415	20%	103,699	7%	
40-4455-436.302	Supp & Admin - Building Supplies	133	2,000	1,867	7%	250	0%	Less allocated use of union allowance than anticipated.
40-4455-436.326	Supp & Admin - Uniforms	169	3,000	2,831	6%	-	0%	
40-4455-436.352	Supp & Admin - Small Tools/Equipment	1,064	5,000	3,936	21%	1,500	200%	
40-4455-436.400	R&M - Facilities Maintenance	506	5,000	4,494	10%	399	0%	Slightly high in 2024 due to IT Pipes program subscription (ceased program, and shifted replacement to IT Subscriptions above) and inlet tops purchased (larger stock acquired to start 2024).
40-4455-436.420	R&M - Vehicle Maintenance	3,147	5,000	1,853	63%	2,488	0%	
40-4455-436.460	R&M - Stormwater Maintenance	5,509	150,000	144,491	4%	22,778	18%	
40-4455-436.530	Prof Svcs - Township Management Program Reimbursements	243,066	1,301,432	1,058,366	19%	199,251	0%	Includes monthly/quarterly cost assessments under Management Agreement for program support and services.
40-4455-436.572	Prof Svcs - Cleaning Services	217	875	658	25%	-	0%	Cleaning services outsourced mid-2024 (reduced Township Program Reimbursements above from prior part-time staff).
40-4455-436.579	Prof Svcs - Enterprise Vehicle Leases	6,609	23,976	17,367	28%	7,931	109%	Comparable to prior year.
40-4455-436.581	Prof Svcs - NPDES Permitting	-	2,500	2,500	0%	-	0%	Comparable to prior year.
40-4455-436.582	Prof Svcs - PA One Call Services	5,717	42,000	36,283	14%	6,005	17%	
40-4455-436.600	Utilities - Vehicle Fuel	5,063	12,000	6,937	42%	3,658	29%	
40-4455-436.610	Utilities - Electric	284	1,000	716	28%	-	0%	
40-4455-436.620	Utilities - Natural Gas	472	1,200	728	39%	439	0%	
40-4455-436.630	Utilities - Water	186	1,300	1,114	14%	191	0%	
Public Works & Operations Facilities Expenditures Subtotal		272,142	1,556,283	1,284,141	17%	244,890	135%	
40-4700-471.820	Debt - Principal - 2019 Bonds	265,000	265,000	-	100%	255,000	111%	All bond principal paid in April.
40-4700-471.827	Debt - Principal - 2022 Bonds	340,000	340,000	-	100%	325,000	0%	All bonds interest paid semi-annually in April/October.
40-4700-472.820	Debt - Interest - 2019 Bonds	157,550	309,800	152,250	51%	162,650	47%	
40-4700-472.827	Debt - Interest - 2022 Bonds	207,075	407,350	200,275	51%	213,575	0%	
Debt Service Expenditures Subtotal		969,625	1,322,150	352,525	73%	956,225	165%	
TOTAL STORMWATER FUND OPERATING EXPENDITURES		1,353,765	3,446,846	2,093,081	39%	1,304,814	56%	
NET OPERATING CHANGE IN RESERVES		\$ (456,205)	\$ 192,154	\$ (648,359)		\$ (427,456)		
OPERATING CASH BALANCES (Estimated)		\$ 5,550,554				\$ 3,870,121		

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Stormwater Fund (40)

As of March 31, 2025 and 2024

Account NumberAccount Title		2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
CAPITAL REVENUES:								
40-3900-341.02	Interest Earnings - PLGIT Bonds	\$89,289	\$150,000	\$(60,711)	60%	\$164,921	165%	Interest earned will be later adjusted by arbitrage reduction (for earnings in excess allowed for future remittance to the IRS); anticipated on-par with budget.
40-3900-387.02	Contributions - JPRP Contributions	-	1,290	(1,290)	0%	-	0%	
40-3900-392.01	Transfers In - Township Capital Funds	-	319,314	(319,314)	0%	-	0%	Grants (passed through Township) towards Friendship Center and Public Works Basin Retrofit projects below.
TOTAL STORMWATER FUND CAPITAL REVENUES		89,289	470,604	(381,315)	19%	164,921	165%	
CAPITAL EXPENDITURES:								
40-4800-436.940	Capital - Joint Polution Reduction Plan Programs	-	60,000	60,000	0%	-	0%	Cost associated with joint pollution reduction plan program (JPRP), shared with Susquehanna Township and Capital Region Water (CRW) either through Township management (gross expense and contributions) or other (net billing). \$57,000 Capital Greenbelt contribution and \$3,000 engineering for Stonebridge project.
40-4800-436.941	Capital - County WREP Programs	-	22,000	22,000	0%	-	0%	County WREP Regional Stormwater Program for MS4 Compliance.
40-4900-436.910	Capital - Equipment Purchases	-	31,500	31,500	0%	22,314	17%	2025 proposal for cost share of drone (\$9,000) and Smart Board and furniture (\$2,500), and rock drill bit (\$20,000).
40-4900-436.940	Capital - Engineering GIS	450	5,000	4,550	9%	-	0%	
40-4900-436.941	Capital - Engineering MS4	13,385	130,000	116,615	10%	11,535	4%	Engineering support for reporting, inspections, and related MS4 management and grant seeking.
40-4900-436.951	Capital - PC-2 Storm Improvements	-	200,000	200,000	0%	-	0%	Minor complementary repairs (sewer project) with expected 2025 completion of improvement projects bid/awarded in mid-2024.
40-4900-436.952	Capital - PC-3 Storm Improvements	109,279	1,900,000	1,790,721	6%	6,234	0%	Expected late 2025 completion (may extend) of improvement projects bid/awarded in mid-2024.
40-4900-436.966	Capital - BC-7 Storm Improvements	7,382	100,000	92,618	7%	100,729	159%	Expected substantial completion in 2024, with final work/releases in early 2025; <i>in-house labor to be accounted for in 436.532 below</i> .
40-4900-436.971	Capital - Forest Hills Storm Improvements	37,796	148,000	110,204	26%	-	0%	Start of design project for system improvements (anticipated 2026 construction and 2027 completion).
40-4900-436.972	Capital - Mountain View Acres Storm Improvements	13,947	200,000	186,053	7%	-	0%	Start of in-house improvement project (anticipated 2026 construction and 2027 completion); <i>in-house labor to be accounted for in 436.532 below</i> .
40-4900-436.973	Capital - Army Televising Project	-	-	-	0%	112,000	0%	Joint project with Army Corps of Engineers (USACE) for system televising (anticipated 2025 completion, but fully paid in 2024).
40-4900-436.974	Capital - Colonial Park Improvements	73,704	496,500	422,796	15%	-	0%	Start of bid project for system improvements (<i>anticipated 2026 completion</i>) .

LOWER PAXTON TOWNSHIP AUTHORITY

Budget-Actual Comparison Reports -

Stormwater Fund (40)

As of March 31, 2025 and 2024

Account Number	Account Title	2025				2024		Notes/Remarks
		Actual (thru 3/31/25)	Adopted Budget	+ / (-) Variance	Percent of Budget	Actual (thru 3/31/24)	Percent of Budget	
40-4900-436.975	Capital - Friendship Center Basin Retrofit Project	2,452	263,875	261,423	1%	-	0%	Bid project for 2025 improvements, partially grant supported (above); <i>in-house labor to be accounted for in 436.532 below.</i>
40-4900-436.976	Capital - Storm Non-Consent Decree Replacements	5,623	200,000	194,377	3%	3,123	0%	Public Works improvement projects budget for to-be-identified replacements; <i>in-house labor to be accounted for in 436.532 below.</i>
40-4900-436.977	Capital - Storm Extension Projects	-	100,000	100,000	0%	-	0%	Anticipated engineering design costs for future extension construction projects, mostly shifting to 2025.
40-4900-436.978	Capital - Conway Park Stormwater Project	-	30,000	30,000	0%	-	0%	Engineering for future park development stormwater design; <i>estimated 2025-2026 construction, Township-grant dependent for park improvements .</i>
40-4900-436.979	Capital - George Park Stormwater Project	-	270,000	270,000	0%	-	0%	Limited engineering for future park renovation stormwater design; <i>expected 2025 construction, Township-grant dependent for park improvements .</i>
40-4900-436.980	Capital - Public Works Campus Basin Retrofit Project	4,769	207,164	202,395	2%	-	0%	Engineering and supplies relative to conversion of existing stormwater basin into a rain garden for water quality improvement initiative on Public Works and Sewer Campus (<i>partially grant funded; above</i>); <i>in-kind labor to be included in 436.532 below .</i>
40-4900-436.981	Capital - Friendship Center Discharge Improvments	3,325	35,000	31,675	9%	-	0%	Construction of dichlorination unit for pool backwash disposal; <i>expected 2025 construction .</i>
40-4900-436.982	Capital - Utah Ave Stormwater Project	31,915	128,000	96,086	25%	-	0%	Stormwater expansion project; <i>expected 2025 design and 2026 construction.</i>
40-4900-436.530	Prof Svcs - Storm PW Capital Management Reimbursements	2,796	78,500	75,704	4%	-	0%	Share of Public Works wages/benefits relative to paving and other project-related support for various in-house stormwater projects (above).
40-4900-436.532	Prof Svcs - Storm Capital Management Reimbursements	17,929	248,896	230,967	7%	-	0%	Shift of capital estimate from Management Agreement for in-house stormwater installation and improvement projects. Five-man Sewer crew.
TOTAL STORMWATER FUND CAPITAL EXPENDITURES		\$ 324,750	\$ 4,854,435	\$ 4,529,684	7%	\$ 255,935	5%	
NET CAPITAL CHANGE IN RESERVES		\$ (235,461)	\$ (4,383,831)	\$ 4,148,370		\$ (91,014)		
CAPITAL CASH BALANCES (Estimated)		\$ 7,787,215				\$ 11,973,237		

TOTAL STORMWATER FUND EXPENDITURES	\$ 1,678,516	\$ 8,301,281	\$ 6,622,766	20%	\$ 1,560,749	20%	
NET TOTAL STORMWATER FUND CHANGE IN RESERVES	\$ (691,667)	\$ (4,191,677)	\$ 3,500,010		\$ (518,470)		
OPERATING & CAPITAL CASH BALANCES (Estimated)	\$ 13,337,769				\$ 15,843,358		



Herbert, Rowland & Grubic, Inc.
369 East Park Drive
Harrisburg, PA 17111
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STORMWATER ENGINEER'S REPORT

LOWER PAXTON TOWNSHIP/AUTHORITY

Attn: Bradley Gotshall
Report Period: 02/26/25 – 05/27/25
HRG Project Number: R004807.0435

May 27, 2025

MS4 – TECHNICAL ASSISTANCE:

- HRG assigned tasks by LPT
 - MS4 Annual Reporting
 - A summary of activities required for the 2024-2025 MS4 Permit Year are provided below:
 - > **MCM-1:** The Township continues to exceed Public Education and Outreach requirements by publishing multiple stormwater related newspaper & newsletter articles, maintaining the Township's stormwater management website, and posting stormwater related information at the municipal building. Such material is periodically collected for inclusion in the Township's MS4 Annual Report.
 - > **MCM-2:** The Township met the MS4 permit requirements by holding at least one stormwater related public meeting during the 5-year permit term. The monthly Stormwater Authority meetings are open to the public to participate. The Township also solicited public input on the revised PRP as required. Stream cleanup activities and other examples of public involvement from community organizations, like the Paxton Creek Watershed and Education Association (PCWEA), are documented.
 - > **MCM-3:** The Township continues to meet permit requirements by maintaining an updated GIS based map of the stormwater collection and conveyance system. HRG performed outfall screenings in the Paxtonia and Union Deposit Road areas utilizing the Survey 123 mobile app. The Township continues to provide spill and sanitary sewer overflow reports to HRG for inclusion in the annual MS4 report.
 - > **MCM-4:** The Township continues to meet permit requirements by conforming to the conditions of the Memorandum of Understanding held with the Dauphin County Conservation District as it relates to implementation of the NPDES PAG-02 permitting program for construction activities. HRG also provides documentation on construction observation reports that E&S controls are installed and being maintained.
 - > **MCM-5:** Similar to MCM-4, the Township continues to meet permit requirements by conforming to the conditions of the Memorandum of Understanding held with the Dauphin County Conservation District as it relates to implementation of the NPDES PAG-02 permitting program for construction activities. HRG continues to document the installation of

Post Construction Stormwater Measures (PCSMs) on new land development projects. HRG conducts routine and complaint driven inspections of PCSMs to document their functionality. Identified deficiencies are reported to the Township for coordination of necessary maintenance/repairs.

- > **MCM-6:** The Township continues to meet permit requirements by providing Township Public Works and Sewer Authority staff annual MS4 training. The Township continues to maintain an inventory of all municipal activities, facilities, and operations that have the potential to contribute to stormwater pollution as required by their MS4 Permit. The annual MS4 training for municipal staff required by the permit will be provided prior to the June 30, 2025, permit year deadline.

- Individual MS4 Permit renewal.

- HRG submitted the Notice of Intent (NOI) and accompanying documentation for the MS4 permit renewal to PADEP prior to the February 1, 2025, deadline. The Township received final permit approval on April 21, 2025. The permit became effective on May 1, 2025, and is set to expire April 30, 2030.

- HRG's understanding of LPT tasks being completed in-house.

- Continue coordinating with HRG, GHD, and the Township's GIS Manager on GIS mapping efforts.

MS4 – JOINT POLLUTANT REDUCTION PLAN (PRP) (PAXTON CREEK COLLABORATIVE - CRW, LPT, ST):

- PennDOT Partnership Program Management

- All previous projects through the contract with RES have been completed, and it is our understanding that LPT/A is handling any future coordination with the other entities directly.

OUTSTANDING PROPOSALS:

- None.

DESIGN PROJECT STATUS:

- Melbourne Drive and Surrounding Area Drainage Improvements {HRG #R000184.0555}

- HRG completed the preliminary design for the expanded project area. HRG provided the additional SUE Level A test pit locations to LPTA. LPTA is in progress of completing the SUE Level A test pits.

- Colonial Park Stormwater Improvements Project {HRG #R004807.0450}

- Colonial Park Area A (Oak Park Circle) survey and basemapping are completed. Preliminary design has been completed and reviewed with LPTA staff. HRG is coordinating with a subconsultant to receive a quote for SUE Level A services.
 - Colonial Park Areas B (Berryhill Rd/North Rd/South Rd) survey and basemapping have been completed. HRG has completed preliminary design. HRG is in the process of coordinating with a subconsultant to receive a quote for SUE Level B.

- Colonial Park Area C (Edwin Ave/Ricker Ave) survey and basemapping have been completed. HRG has completed preliminary design. A portion of the project area is in pursuit of a grant opportunity through the PA SWS grant program (estimated award is spring 2026). HRG is coordinating with a subconsultant to receive a quote for SUE Level A services.
- Conway Road Park Conceptual Stormwater Management Feature Layout {HRG #R004807.0454}
 - HRG and LPTA staff met on 10/15 to review the Conceptual Stormwater Management layout.
 - HRG is awaiting future direction from the Township on this project as we understand funding opportunities are being pursued.
- Public Works Basin Water Quality Retrofit Project {HRG #R004807.0456}
 - HRG provided the final design and quantities to LPTA staff on 12/12/2024. HRG provided control points for LPTA staff week of 2/3/25. We understand that LPT/A staff is handling construction and oversight of the project going forward.
- Utah Avenue Drainage Improvements {HRG #R004807.0456}
 - HRG has completed the Survey and Basemapping for the project area. HRG has completed preliminary design. HRG is in the process of coordinating a meeting with LPTA staff to review preliminary design.

CONSTRUCTION PROJECT STATUS:

- Stonebridge Apartments Stream Restoration – {HRG #R000184.0533}
 - As a condition of the permitting received from PADEP/USACE authorizing construction of the project, annual monitoring of the stream is required for a period of three years following completion. LPT/A has authorized HRG to perform the monitoring and submit the required reports to PADEP/USACE on their behalf. Monitoring for 2024 (Year 2) has occurred and the findings were submitted in a report to PADEP in December 2024.
 - To document the project in a fashion that can be used to showcase the results to Township residents and stormwater fee rate payers, HRG has captured periodic photos and videos of the project by use of aerial drone technology. Upon completion of the drone flights, this data will be used to develop a presentation that can be placed on the Lower Paxton Township website. One additional flight is yet to be performed once the vegetation across the site matures.
- BC 7-8 Drainage Improvements – Design; {HRG #R000184.0539}
 - The contract completion dates were extended to April 21, 2025 and May 15, 2025 for substantial and final completion respectively, with the caveat that dates would be contingent on PPL completing relocations to accommodate remaining storm sewer work. PPL completed the relocations in mid/late April and Doli subsequently finished the storm sewer work. Doli is currently progressing with wearing course paving and addressing punchlist items as the project moves towards it's conclusion.

■ PC-3E and PC-1F Sanitary and Storm Sewer System Replacement and Rehabilitation Projects:
HRG #R004807.0444}

- Doli mobilized to the project site and began working in October 2024. Through mid-May 2025, Doli has completed sanitary sewer installation through the right of way from Goose Valley Road to Banbridge Dr. and branches extending south along Colonial Club Dr. and north along Banbridge Dr. Work is on-going along Blanchester Rd., Kingston Rd., Clermont Dr., Ryan Dr., and Lancaster Ave. Base paving has occurred in portions of Colonial Club Dr. and along Lemar Ave. LPT/A staff are periodically updating the Lower Paxton at Work website with completion status.
- As the project has progressed, construction costs have exceeded \$2.4M, and accordingly, HRG and LPT/A staff developed the reimbursement documents to submit to access the full grant amounts awarded to the project through the CFA Local Share Account (\$1M) and PA H2O (~\$1.4M) programs.
- Substantial and final completion dates set as September 27, 2025, and November 26, 2025, respectively.
- Coordination has been on-going with LPT/A, DCCD, DEP, Doil, and the resident at 752 S. Nyes Rd. regarding erosion and sediment control concerns related to the Conway Road fill site. Additional E&S control measures were implemented by Doli on 5/21/2025 and a site meeting is being arranged for 5/27/2025 with HRG, LPT/A, and the resident to discuss next steps to resolve the situation.
- HRG, LPTA, and Doli came to terms on Work Change Directive #2 to formally incorporate contractor-initiated scope changes for replacement of the Kingston Ave. culvert, 10" ACP sewer lining near Goose Valley Rd., addressing discrepancies related to sewer depth pay items, and incorporating pay items for other work included in the project documents. Additionally, Work Change Directive #3 is being finalized to re-assign storm sewer work responsibilities along Banbridge Dr. from LPTA crews to Doli. LPTA crews have been shifted to other priorities and Doli has verbally agreed to take on the additional work. Estimated costs associated with the Work Change Directives are ~\$1M.

■ Friendship YMCA Stormwater Basins Water Quality Retrofit Project {HRG #R004807.0451}

- The lower bidder for the project was Final Grade Excavation, LLC with a bid amount of \$185,313.90. The bid was awarded on March 11, 2025. A preconstruction meeting was held on April 23, 2025 with Final Grade Excavation, LLC, HRG, and LPTA staff. Notice to Proceed was issued at the preconstruction meeting. The estimated contractor mobilization to site is 6/23/2025.
- In coordination with LPT/LPTA staff, sampling by ALS was completed for the NPDES Minor Industrial Waste Facilities Permit. HRG submitted the permit to PADEP on May 14th, 2025. An updated quote for purchase of the Dechlorination Unit and installation of the unit was provided by HRG to the Township for consideration. HRG will monitor any updates or questions from PADEP on the permit.

MISCELLANEOUS ITEMS:

- Stormwater Fee Credit Application Reviews {HRG #R004807.0441}
 - There are no active credit applications under review.
- Emergency Contract Support {HRG #R004807.0440}
 - No work orders that necessitated HRG's involvement were developed in the last reporting cycle.
- Dauphin County Water Resource Enhancement Program (WREP) [HRG #R006524.0433]
 - Tri-County Regional Planning Commission is leading the planning objectives and activities for 2025. HRG's support is focused on project management for CAP Block Grant-funded projects.
- Storm Sewer System Inventorying and Condition Assessment partnership with the U.S. Army Corps of Engineers (USACE) [HRG #R004807.0436]
 - LPTA presented a scope of work and agreement for storm sewer condition assessments through the USACE to the LPTA Board during their meeting in November 2023. The total estimated costs for the technical assistance project were \$224,000 with LPTA and USACE splitting the cost on 50-50 arrangement. LPTA staff have been working directly with USACE on the project.
 - USACE has provided various inspection logs and video logs for review.
- Stormwater Asset Management Plan
 - LPTA and HRG staff met on 5/20/2025 to discuss asset management relative to the public stormwater system and the need/benefits of developing and implementing an asset management plan. Over the next several months, HRG and LPTA will be working on the framework of a proposal for a plan for presentation to the LPTA Board at their August meeting.

Herbert, Rowland & Grubic, Inc.



Jason R. Hinz, P.E.

JRH/LB

R004807.0435

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