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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 LPTA 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. LPTA 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 its 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

Jason R. Hinz, P.E.

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