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STORMWATER ENGINEER'S REPORT

LOWER PAXTON TOWNSHIP/AUTHORITY

Attn: Tom Vernau

Report Period: 05/28/25 – 08/26/25

HRG Project Number: R004807.0435

August 26, 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.
- **Annual Report for MS4:** Currently underway and being coordinated with the township. Anticipated to be ready for review 9/15/2025.

- 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.
 - Assistance with final inspection of Tucsan Villas HOA Basin for NPDES closeout is scheduled for 8/22/25.

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. Test pit estimated completion is December 2025.
- 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 has developed test pit exhibits and 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 has developed test pit exhibits and is coordinating with a subconsultant to receive a quote for SUE Level A services.
 - 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 has developed test pit exhibits and 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 have been constructing the project with technical assistance from HRG on an as needed basis.
- Utah Avenue Drainage Improvements {HRG #R004807.0456}
- HRG has completed the Survey and Basemapping for the project area. HRG has completed preliminary design and reviewed with LPTA staff. LPTA staff is coordinating with sanitary engineer regarding potential upgrades to the sanitary system. HRG is awaiting further direction from LPTA staff prior to finalizing design.

CONSTRUCTION PROJECT STATUS:

- 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 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-August 2025, Doli has completed pipe work through the right of way from Goose Valley

Road to Banbridge Dr., Blanchester Rd., Kingston Rd., Clermont Dr., Roxbury Dr., and Chesterfield Ct. Work is on-going along N. Lockwillow Ave., Ryan Dr., and Lancaster Ave. Base paving has occurred in portions of Colonial Club Dr., Lemar Ave., and Santo Cir. Next areas planned for pipe work are along N. Mountain Rd. and to the east of N. Mountain Rd. (Blue Eagle Ave., Blue Stone Ave., etc.) 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.
- Work at the Conway Fill site continues. The western portion of the site was final graded, seeded and matted in June. Active fill and grading operations continue on the eastern portion.
- 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 was 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.
- On August 13, 2025, LPTA executed an agreement with HB Engineering for the design of an additional twelve (12) curb ramps in the project area that will be added to Doli's scope of work upon completion.

■ 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. Construction is set for substantial completion week of 8/18.
- Installation of the Dechlorination Unit was completed by PSI Pumping Solutions, and chlorine testing completed by HRG on July 31, 2025. The System is deemed operational by HRG. An Operation and Maintenance Manual was also generated by HRG and provided to LPT/YMCA on August 13, 2025. HRG will continue to monitor updates from the YMCA, Township, or PADEP.

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, however, it is not believed that the whole scope has been completed, and we understand that LPTA desires to withdraw from the agreement at this time. HRG is assisting LPTA in reviewing the data provided versus the original scope of work in hopes of receiving reimbursement from USACE for unfinished work.
- Stormwater Asset Management Plan
 - LPTA and HRG have been collaborating and met on 5/20/2025, 7/17/2025, and 8/5/2025 to discuss an asset management plan relative to the public stormwater system and the need/benefits of developing and implementing a plan. Through our discussions, we were able to develop a proposal, and the associated scope will be discussed at the 8/26/25 meeting with the goal of receiving the LPTA Board's support to begin work in September.

Herbert, Rowland & Grubic, Inc.



Jason R. Hinz, P.E.

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