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## STORMWATER ENGINEER'S REPORT

### LOWER PAXTON TOWNSHIP/AUTHORITY

Attn: Bradley Gotshall

Report Period: 11/27/24 – 02/25/25

HRG Project Number: R004807.0435

February 25, 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. Lower Paxton Township Engineering Technician, Larry Stepansky, was appointed as PCWEA President for 2025.
      - > **MCM-3:** The Township continues to meet permit requirements by maintaining an updated GIS based map of the stormwater collection and conveyance system. HRG is currently performing required 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 PA DEP prior to the February 1, 2025, deadline. DEP has acknowledged its receipt.
- 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
  - RES is substantially complete with construction activities for the Stray Winds Park stream restoration project, which is the last PRP project on the current schedule. Final restoration of the park's turf will be complete in the Spring.

## **OUTSTANDING PROPOSALS:**

- None.

## **DESIGN PROJECT STATUS:**

- Friendship YMCA Stormwater Basins Water Quality Retrofit Project {HRG #R004807.0451}
  - HRG coordinated with Authority staff to bid the project. The project is currently out to bid with a bid opening date of February 26, 2025.
  - HRG and LPTA staff met on February 4<sup>th</sup> to review the scope of the permit and sampling requirements. LPTA contracted ALS to provide sampling and lab services for the required permitting water parameters. After sampling results are received, and if directed by LPTA, HRG will proceed with preparation and submission of the NPDES Minor Industrial Waste Facilities Permit not covered by ELG.

- Conway Road Fill Site NPDES Permitting {HRG #R004807.0449}
  - NPDES Renewal and Amendment have been approved by DCCD.
  - HRG is currently coordinating with DOLI to incorporate the field changes established by the NPDES Amendment.
- George Park Stormwater BMP Project {HRG #R004807.0455}
  - HRG provided the final construction plans to LPTA staff on 11/4.
- Melbourne Drive and Surrounding Area Drainage Improvements {HRG #R000184.0555}
  - HRG completed the survey and basemapping for the expanded project area. SUE Level B has been completed. HRG provided test pitting location to LPTA. HRG is in the process of updating the preliminary design in the expanded project area.
- Colonial Park Stormwater Improvements Project {HRG #R004807.0450}
  - Concept 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 SUE subconsultant to receive SUE Level B services.
  - Concept Areas B (Berryhill Rd/North Rd/South Rd) and Area C (Edwin Ave/Ricker Ave) survey and basemapping have been completed. HRG is finalizing preliminary design. HRG is in the process of coordinating a meeting with LPTA staff to review preliminary designs for the week of 2/24.
- 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 revised erosion control to include J-Hooks and has received approval from DCCD. HRG has coordinated with DOLI and is in the process of confirming installation requirements with DCCD.
- 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.
- Utah Avenue Drainage Improvements {HRG #R004807.0456}
  - HRG has completed the Survey and Basemapping for the project area. HRG is in the process of 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 October 1, 2024 (substantial completion) and through winter for final completion upon coordination amongst LPTA and Doli. Doli's subcontractor (Lezon) has been on site performing concrete restoration. Doli is expected to return in the Spring 2025 to complete any unfinished storm sewer, punchlist items, and wearing course paving. Note that the schedule is dependent upon PPL completing relocation work that Doli is to be coordinating for remaining storm sewer installation on Cloverdale Rd./Kenwood Ave. Doli, LPTA, GHD, and HRG continue to coordinate on schedule and remaining work to bring the project to a 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-February 2025, DOLI has installed approximately 6,700 LF of new sanitary sewer mainline, 32 LF of new storm sewer, and 74 sanitary sewer laterals were replaced. LPT/A staff are periodically updating the Lower Paxton at Work website with completion status. Work areas thus far have included right of way between Goose Valley Rd. and Colonial Club Dr., Santo Cir., Lemar Ave., Banbridge Dr., Clermont Dr., Blanchester Rd., and Kingston Rd.
  - The first job conference was held on January 28, 2025, and the second is scheduled for February 25, 2025.
  - The progress made to date has resulted in DOLI reaching the limits of the "Actively Disturbed Area" policy in the contract documents, and a letter informing them of such was supplied by HRG on February 18, 2025. To comply with the policy, DOLI will need to cease mainline work and focus on restoration efforts in disturbed areas.
  - With Application for Payment #2 processed in January 2025, construction costs have exceeded \$1M, and accordingly, HRG and LPT/A staff developed the reimbursement documents to submit to access the full grant amount awarded to the project through the CFA Local Share Account program.
  - Substantial and final completion dates set as September 27, 2025, and November 26, 2025, respectively.
  - HRG and LPTA are in the process of negotiating a change order with DOLI 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.
  - Coordination with utility contacts on necessary relocations is on-going.

- 2023-25 Non-Consent Decree Area Stormwater Improvements {HRG #R004807.0448}
  - Final Plans (with exception of Prince Street which is on hold pending completion of PennDOT project) were sent to LPTA on 6/18/2024. Construction is anticipated to be handled with in-house LPT/A labor and equipment.
- Old Locust Lane Culvert Replacement {HRG #R000184.0582}
  - It is our understanding that in-house crews have substantially completed construction activities as of late 2024/early 2025.

## 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.
- Draft DEP MS4 Documents Review [HRG #R000184.0521]
  - In January 2025, DEP made available to the public, draft documents related to the next MS4 reporting cycle. While the documents are related to the "General" permit type, and the Township has historically been issued and is anticipated to still be issued an "Individual" permit, HRG and LPT/A staff are evaluating the documents and generating comments for submission to DEP that may relate to requirements that could carry over to the Individual permit requirements, particularly focused on Total Maximum Daily Loads (TMDLs). HRG and LPT/A are scheduled to meet to discuss on February 26, 2025.
  - Major changes noted in our review thus far include a shift from requiring "pollution reduction plans" to "volume management plans" and more emphasis/reward on regional/intermunicipal collaboration.

Herbert, Rowland & Grubic, Inc.

*Jason R. Hinz*

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