

ENGINEER'S REPORT

18 November 2025

Title	Engineer's Report for the Lower Paxton Township Authority		
Copy to	Lower Paxton Township Authority		
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Subject	Engineer's Report for Active Projects	Project no.	1257258

The following is a summary of GHD's activities since the August 26th meeting.

1. Wet Weather Summary

The wet weather events (WWEs) in September, and October of 2025 are presented in the following table. There were zero (0) flood, two (2) extreme, four (4) significant, and four (4) minor WWEs. There were no overflows reported during this metering period.

Table 1 Wet Weather Event Summary Table

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
09/04/25	0.3	0.1	444.3	444.4	Minor	-	No
09/18/25	0.4	0.18	444.3	444.3	Minor	-	No
09/25/25	1.3	0.18	444.3	444.4	Minor	-	No
10/08/25	1.8	0.42	444.3	444.4	Significant	-	No
10/19/25	0.5	0.25	444.3	444.3	Minor	-	No
10/30/25	2.3	0.89	444.3	444.5	Extreme	-	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.

GHD reviewed the PC-3E meter data from the October 8th significant storm event and the October 30th extreme storm event to assess preliminary construction results. Before rehabilitation, the basin recorded 4,000 gpd/EDU, but after construction, peak event flows are within the 500-1,000 gpd/EDU range. Additionally, peak flows during the extreme event were reduced by half compared to pre-construction levels.

2. DEP Consent Order and Annual Report

The 3rd CAP was approved by DEP on September 9, 2025.

3. CRW Intermunicipal Agreement

GHD prepared a rate study request for proposals (RFP) for all of the contributing municipalities that was presented to CRW in November 2025. A call scheduled for December 3rd with all parties to discuss the RFP and CRW's comments and concerns.

4. Construction Projects

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

The project is complete. The final adjusting change order and final AFP were prepared and signed by DOLI. GHD is working on completing the record drawings for the project.

4.2 PC-2E Trunkline Project

All of the sanitary sewer and storm sewer work is complete, minus final cleanup that will be done in December. The remaining work is scheduled to be complete by the end of November. GHD submitted record drawings to Staff on October 24, 2025.

4.3 Misc. External Mainline Repairs

All of the external repairs have been completed. The lining work and restoration is outstanding. This work is scheduled to be complete by December.

4.4 BC-2 Replanting to Comply with DEP Permit

GHD prepared maps showing where new plants and seeding is required to comply with the permit and reached out to three contractors under COSTARS to get the plants purchased and planted. Davis Landscape, Ltd submitted the lowest bid and was awarded the contract. The plants were planted on November 17th and 18th. GHD will monitor their growth and report back to DEP in the next annual report.

4.5 Annual Township Paving Project – Sewer Repairs

Township Staff have been televising sanitary sewer mains, ahead of the Township's Annual Paving Project, and reviewing the findings with GHD to determine if any external sanitary sewer repairs are needed prior to paving. The Township Construction Crew is currently in the process of replacing several defective sewer sections prior to the start of the paving project.

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. **GHD checked in with the CFA Division and approvals are not expected until January 2026.**

6. Emergency Repairs to the Wastewater and Stormwater Collection System

GHD issued Work Order number 4 on August 27th, Work Order number 5 on October 7th, and the remainder of Work Order number 3 on October 25th to Rogele. Work Order number 4 addressed broken pipe along East Park Drive and Penn Grant Road, Work Order number 5 addressed an 8" repair at 202 Prosperous Drive and the remainder of Work Order number 3 addressed the pavement restoration around the previous repair. The current emergency contract will be closed November 21, 2025.

GHD prepared the project manual to bid the next emergency contract in September 2025. GHD opened bids via PennBid on October 16, 2025. Rogele is the apparent low bidder and a notice of award letter was issued on October 22, 2025. Award documents were received from Rogele on November 14, 2025, and the notice to proceed letter was issued on November 18, 2025, with the contract start date of November 22, 2025.

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 before the PennDOT paving project is completed in 2027. **No update since last meeting.**

7.2 Nyes Road Bridge Replacement (MPMS #117189)

PennDOT will be replacing the bridge on Nyes Road, north of its intersection with Pine Hill Road. Township staff will provide a new frame and cover and cone section to raise one manhole to grade that is affected by the Department's project. PennDOT will include the work in the Department's contract and will pay for the labor costs to retrofit the manhole. GHD prepared the PennDOT paperwork and specifications to include in the project contract. PennDOT will also pay for and incorporate the CCTV work into their project to determine the pre and post construction condition of the adjacent sanitary sewer main to monitor that the construction does not compromise the structural integrity of the pipe.

The let date is January 15, 2026. Construction is set to start in March 2026.

7.3 Jonestown Road (SR 0022)

GHD sent the required forms (D-4181 & D-4181-UC) to HRG on September 30, 2025. The sanitary sewer located near the project site will not be affected.

8. Developments

GHD's activities since the August 26th meeting:

- Cider Press: Construction is ongoing.
- Buffalo Wild Wings Go: Construction is complete.
- Wenrich Street Development: GHD received a preliminary layout of development on July 29, 2025. GHD, LPTA, Nic DiSanto, and Developer Engineer (Integrated) met on October 10, 2025, to discuss sewer options and proposed layout. Official plans have not yet been submitted for review.