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ENGINEERS SURVEYORS BUILDING CODE INSPECTORS MUNICIPAL SERVICES

LIGHT-HEIGEL
& ASSOCIATES, INC.

To: Greater Pottsville Area Sewer Authority Members
From: Light-Heigel & Associates, Inc. (LHAI)
Re: Consulting Engineer's Report (Status Report for Engineering Services)
Date: August 27, 2025

Market Street Separation Project (No. 18-0275) & Corrective Action Plan/Act 537 Update (No. 18-0327)

- A) On July 18th, LHAI personnel attended a meeting with Acting Executive Director Bill Orlowsky and Scot Novatnak of PA DEP to review the changes to the ACT 537 Plan update. We are recommending that the phasing of the project be revised to better address the short and long term flooding problems downtown. As such, instead of separating Norwegian, Market and Arch streets out to 8th street and still conveying combined flows through these separated areas and to the Market Street CSO (No. 212), i.e. Old PHASE I of the project; LHAI recommends that we separate the Norwegian Street drainage basin out to 20th Street and Arch Street/Laurel out to the top of the drainage basin as Phase I of the Project. Phase II would be to separate Market Street out to the top of its drainage basin last. By phasing the project in this manner, we remove stormwater and stream flows from the Market Street drainage basin thereby mitigating potential flood waters. *LHAI has provided Executive Director Orlowsky with an Engineering Proposal No. 25-0124 to prepare and submit an Act 537 Plan Update for the West Market Street Collection Area. The cost to perform the work is \$ 52,249.00.*
- B) *LHAI has also provided Mr. Orlowsky with a proposal to perform surveying control services in conjunction with mapping the entire Market Street Collection Area. Project No. 25-0134 cost to perform this work is \$ 9,878.00. Next month we will provide a proposal to complete all of the detailed mapping of the Market Street Collection Area as well as both of the Boroughs.*

Port Carbon Manhole Investigation – Project No. 24-0052

- C) On July 24th, the LHAI team along with assistance from the Street Crew inspected 15 manholes, bringing the total number of manholes inspected to 18. The Street crew was a great help and very professional to work with at tackling the difficult access to the manholes. One of the manholes was blocked with solids. Jim Thomas was going to attempt to get it cleaned out. Another manhole was located up in the embankment but surrounded by poison ivy. The street crew will spray weed killer in the area before we access that manhole. We will be furnishing detailed written reports on each manhole to the Authority. *Two manholes still need to be inspected. Work will happen in 2025 when the Authority can secure adequate water for flushing. I have had a recent phone conversation with Jim Toehill, Port Carbon Borough Engineer. The Borough is replacing a portion of a stream retaining wall near one of the Authority manholes. We have requested pricing from the Borough's contractor to replace the manhole within the Borough's cofferdam as a change order to his contract with the Borough. The Authority will pay for the manhole replacement if the costs are reasonable. We are still waiting on pricing from the Contractor.*

Pretreatment Services – Project No. 24-0051

D) The Lhai team continues to obtain information from numerous sources regarding the Per- and Polyfluoroalkyl Substances (PFAS) chemical family occurring in the treatment plant's biosolids. *We are in receipt of a memo dated June 18th from Solicitor Brennan regarding updating the fee/penalty schedule for the Pretreatment Ordinance. We will review this document and provide our recommendations to the Authority.*

Downtown Arch Collapse – Project No. 25-0018

E) On July 22, 2025, Mobile Dredging televised the existing arch to locate any pipe penetrations or laterals entering the line. We are waiting for their final report and video. We will incorporate this information into our final designs for the replacement of the stone arch. *Lhai personnel are working on the final design drawings and bid documents for the project. We anticipate putting the project out to bid this fall.*

Investigation into Sewer System Flooding – Project No. 25-0020

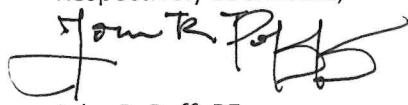
F) In regard to the downtown flooding issues, Lhai has performed a review of the as-built drawings from the previous separation project. Based on this information we have a better understanding of the flooding situation on 2nd Street. *We are working on a plan to install a storm sewer system only on Division Street and Second Street to help mitigate the street flooding. This plan will include tying into the abandoned stone arch.*

G) *The Lhai team is working with the Acting Executive Director, Bill Orlowsky; to develop a detailed plan to mitigate the flooding issues. Lhai has provided Bill with the detailed geometry on the entrance and exit conditions of the Norwegian Creek Culvert. Based on our preliminary review of the entrance and exit conditions and stream stats, it appears the Culvert can convey the two year storm event but not more than the five year event. Please note this is a preliminary analysis and not a detailed H & H Study!*

H) *On August 14, Lhai and our subcontractor completed the 3D Scan of the Norwegian Creek Culvert. We will provide a profile showing both the top and bottom of the culvert as well as cross-sections every 500 feet. Upon completion, Lhai will deliver to the Authority a CAD file, a PDF file and a ReCAP Point Cloud file. Tonight we will present a "DRAFT PLAN" of the existing culvert conditions.*

If you have any questions or require any additional information, please contact me.

Respectively Submitted,



John R. Poff, PE

C: Keith Heigel, PLS, President Thomas Schreffler, PE