

To: Greater Pottsville Area Sewer Authority Members
From: Light-Heigel & Associates, Inc. (LHAI)
Re: Consulting Engineer's Report (Status Report for Engineering Services)
Date: JULY 30, 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 will provide the Authority a detailed engineering proposal to perform this work at your regularly scheduled August meeting.*

Port Carbon Manhole Investigation – Project No. 24-0052

- B) *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.*

Pretreatment Services – Project No. 24-0051

- C) 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. LHAI personnel attended an EPWPCOA sponsored conference on May 22nd, regarding the latest technology in capturing PFAS contaminants. This conference has provided us with additional information to assist us in completion of the pretreatment ordinance. *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

- D) *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.*

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

- E) 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.
- F) *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!*
- G) *On July 29, LHAI and our subcontractor started the 3D Scan of the Norwegian Creek Culvert. We were able to scan approximately ½ the culvert length. Unfortunately the equipment got partially submerged and would not restart. The plan is to return on Monday, August 4th and complete the scan. 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.*

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

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