

Eatontown Sewerage Authority Board Meeting

August 11, 2026

Engineer's Report

Robert C. Fischer – Sr. Director Water Resources, PS&S

Commissioners and Staff of Eatontown Sewerage Authority, please find the Engineers report for the August 11, 2026, Meeting. I will be present to deliver the report.

Current Projects

Wampum Pump Station:

Since the last ESA Board meeting, PS&S has been progressing with the design of the upgrades to the Wampum Pump Station on Main Street located Eatontown. The upgrades will replace the existing pump station, including supporting equipment and systems, and will follow closely with the design features of the Avenue of Memories Pump Station serving Netflix.

UPDATE: This past month details were provided to T&M for the inclusion of two manholes in its sewer replacement project. Since T&M's project is anticipated to be completed before the pump station improvements, installation of these manholes will help streamline construction and minimize disruptions during the future pump station work. A site visit was conducted on August 4 to confirm existing field conditions associated with connecting the new force main to the existing system. Plans and specifications are being advanced to the 60% design level and are anticipated to be submitted to the Authority for review by the end of August. The Flood Hazard Area permit application is also being advanced. The project team is awaiting a response from the New Jersey Natural Heritage Program, after which the permit application can be submitted.

DRB Realty Corp Property 12 Main Street, Eatontown

PS&S reviewed the proposed remediation plan submitted by DRB Realty. The property will be excavated to remove contaminated soil to a point adjacent to the ESA 8-inch sewer line. We provided the Authority with a letter recommending the owner of the property provide ESA with a Utility Protection Plan demonstrating the extent of the excavation. We also recommend the owner provide the Authority with a Utility Protection Bond for the duration of

the work and for a 2-year period following completion and that PS&S be present on the job site when excavation approaches the ESA sewer pipe.

UPDATE: First Tech Environmental responded to letter on behalf of the owner with an updated site plan, a statement that excavation will extend no closer than 6 feet from the ESA sewer using a trench box method that has been approved by the owner's professional engineers. As of the date of this report PS&S is still evaluating the most recent reply and will have a response next week.

Monmouth Square Downstream Sewer

In preparation for the Monmouth Square development, a flow study and capacity analysis was completed of the downstream conveyance system. CSL was contracted by the developer to perform the flow study and issued a report on 7/12/24. Based on the flow study, Langan Engineering performed a flow analysis that indicated a stretch of pipe, 16 inches in diameter from MH176 to MH146, was undercapacity for the anticipated new flow. Subsequently, Langan field measured the pipes a second time and reported they are 18" not 16", and this eliminated the need to upsize the pipes. Since Langan has reported two different measurements for the same pipeline ESA asked Langan to return to the site for further field measurements in the presence of both ESA and PS&S to confirm the actual size of the pipeline.

UPDATE: PS&S, Langan and ESA Staff were onsite on July 14th to measure the downstream pipe diameter at MH 146. The pipe diameter measured 15.5" not the 18" previously reported by Langan. The pipe is likely a 16" pipe that has been lined. With this verified information ESA asked Langan to revise their hydraulic calculations for the pipeline which they submitted to ESA on August 5th. The new calculations indicate the last three-(3) sections of pipeline are undersized for the anticipated flow (MH175-174, MH174-173, MH173-146). PS&S is currently reviewing the new hydraulic calculations for accuracy. PS&S, ESA and Langan will hold a Teams meeting on Monday the 10th to discuss the pipeline and its hydraulic limitations.

In addition, PS&S recommends the entire pipeline be CCTV inspected if not already done so to determine if pipeline defects are present along the route that require repair. PS&S also recommends a new hydraulic evaluation of the pipeline including downstream of MH 146 to ensure adequate conveyance of both Liberty Point and Monmouth Square developments.

Rules and Regulations:

PS&S is working on the 4th revision of the Eatontown Sewerage Authority Rules and Regulations document. The revisions include updating the document to be in conformance with the connection fee laws, clarified responsibilities for maintenance of sewer lines,

updated construction specifications and more. The R&R have also been reformatted as a more readable document.

New Projects

Lewis Street Bridge Forcemain Realignment

New Jersey American Water will be installing a new 24" water main attached to the Lewis Street bridge parallel to and conflicting with the ESA 4" sewer forcemain from the Maxwell Pump station. To allow for the 24" pipe to be located alongside the bridge, the existing 4" sanitary forcemain will require relocation in that area. ESA asked PS&S to review the proposed forcemain realignment to determine if it is acceptable. The realignment will add two-(45) degree fittings to the existing line increasing the head pressure in the pipeline. To determine the impact PS&S first evaluated the Maxwell pump stations current pumping status by installing a pressure gauge to the existing pump discharge piping to ensure the pumps are currently operating within their designed range, we confirmed that they are. We then evaluated the impact that 2 additional fittings will have on the pressure of the pipeline. Adding two-(2) forty-five-degree fittings to the pipeline will only increase the discharge pressure by approximately 0.34 PSI or less than ½ PSI, a relatively small increase and therefore the realignment from a pressure standpoint is acceptable. An alternative arrangement to avoid the fittings would require intercepting the pipeline before the creek then directionally drilling beneath the creek. Given the minimal impact the additional fittings will have on the system pressure PS&S recommends the alignment be approved. ESA representatives should be onsite when the forcemain realignment is occurring.

Robert C. Fischer