

Eatontown Sewerage Authority Board Meeting

September 8, 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 September 8, 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 coordination with T&M regarding the proposed manholes has been completed, and field conditions for the new force main connection were confirmed during an August 4 site visit. Plans and specifications are continuing to be advanced to the 60% design level and will be provided to the Authority for review shortly. The Flood Hazard Area permit application has been submitted to the NJDEP and was deemed administratively complete on August 18, 2026. NJDEP has a 90-day review period from the administrative completeness date.

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: In recent correspondence DRB expressed acknowledgment and understanding of ESA's requirements, specifically that ESA requires the engineer's report and calculations referenced by First Tech Environmental regarding the use of a single trench box for this excavation and for the protection of the 8-inch sanitary sewer line. DRB is coordinating with First Tech Environmental to obtain these documents and will forward them to Mr. Villee upon receipt. At that time PS&S will continue its review of the project and its ultimate approval.

Monmouth Square Downstream Sewer

In preparation for the Monmouth Square and Liberty Point developments, 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. Following this, ESA asked PS&S to survey the entire interceptor sewer from the point of connection to Monmouth Square and Liberty Point down to the old treatment plant at 103 Throckmorton Avenue. On September 2, 2026, PS&S and ESA met to begin the survey work. As of September 3rd PS&S recovered two geodetic benchmarks and ran levels between them and then shot elevations for manhole rims at manholes 1,3,2 & 79. Work will continue on Thursday and Friday. PS&S will survey the entire line for rim elevations and return along with ESA staff to enter manholes and obtain invert elevations and pipeline diameters. Flow metering will eventually be performed as well as a hydraulic model to determine the capacity of the pipeline with respect to the new flow from Monmouth Square and Liberty Point. This information will be used to identify areas in need of necessary pipeline upgrade.

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.

Rules and Regulations:

UPDATE: PS&S completed the 4th revision of the Eatontown Sewerage Authority Rules and Regulations (R&F) document. The revisions included 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. This project is now completed.

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.

UPDATE: Nothing new to report

Robert C. Fischer