

Eatontown Sewerage Authority Board Meeting

October 13, 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 October 13, 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: The 60% design drawings, specifications, and Engineer's Opinion of Probable Construction Cost were submitted to the Authority for review and comment on September 18, 2026. The Flood Hazard Area permit application remains under review by the NJDEP after being deemed administratively complete on August 18, 2026. NJDEP has a 90-day review period from the administrative completeness date within which to issue a permit.

The project team will address comments received from the Authority and continue advancing the design.

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 period following completion and that PS&S be present on the job site when excavation approaches the ESA sewer pipe.

UPDATE: PS&S has reviewed the trench box calculations submitted via email by Mr. Bharat Shah of DRB Realty Corp on September 3, 2026. The submittal is the first such submittal that PS&S has seen on this project. DRB's consultant, ANS Consultants Inc., intends to use stackable 6-ft high x 10-ft long Speed Shore APS 0610 aluminum panel shields with a manufactured approved stacking kit. The proposed excavation is 12 feet deep – 8 feet wide and 10 feet long. The excavation will be maintained at a minimum of 6 horizontal feet from the Eatontown Sewerage Authority's eight-(8) inch gravity sewer.

Our review has found the calculation and loads to be appropriate. If the contractor follows standard trenching procedures, there should be no impact on the ESA forcemain. The excavation work was designed by DRB, and their consultants and they are solely responsible for the successful safe completion of this work. PS&S recommends the Authority has a representative on site during the excavation and backfilling. In addition, we recommend ESA requires the owner to post a utility protection bond in the amount of \$50,000 for the duration of the remediation work and for a one-(1) year maintenance period afterwards.

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: On September 2, 2026, PS&S and ESA met to begin the survey work. As of October 8, 2026, our survey crew has completed approximately 90% of the manhole rim elevations. During the week of October 12, 2026 we will proceed to obtain invert elevations of all pipelines in and out of the manhole, as well as pipeline diameter, manhole diameter, and notation of any manhole deterioration and irregular pipeline alignment.

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.

We await traffic control permits. Chris Muccie met with Northwest Traffic Control to scope out the setups at Grant Ave, Route 36, Route 35, and Wyckoff Rd so they can generate the site-specific Traffic Control Plans. With those plans we can obtain permits from the NJDOT and the County for the work required on the roadways.

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.

UPDATE: NJAW's contractor material submittals indicated they were intending to use a standard AWWA C104 cement mortar lining for water mains, when replacing the pipeline at Lewis Street Bridge. Chris Muccie caught this detail, and we advised NJAW that we want PROTECTO 401 Ceramic Epoxy Lining for the pipeline and fittings and they must use Polywrap Polyethylene encasement for ductile iron pipe to "bag the pipe" to protect against corrosion from soils and water.

Miscellaneous

Pop Up Bagels: PS&S is currently reviewing the grease trap plan submitted by Pop Up Bagels on behalf of the Eatontown Sewer Authority. The grease trap may be undersized for the number and size of fixtures, and we have requested the supporting calculations used to size the proposed grease trap.

Robert C. Fischer