

MEMORANDUM

Village of Mamaroneck

To: Jerry Barberio
Village Manager

From: Gino Frabasile, P.E.
Village Engineer

Re: Flood Mitigation/Drainage System Study of the
Washingtonville and Industrial Areas



P 914-825-8163
F 914-777-7787

Date: January 18, 2024

www.villageofmamaroneck.org

At the March 14, 2022, Board of Trustees Work Session, the Board adopted a resolution reserving a portion of the first round of the American Rescue Plan Act (ARPA) funding be utilized to conduct a Flood Mitigation Engineering Study in the Washingtonville and Industrial Areas of the Village of Mamaroneck (Village).

The area where the study is to be conducted was defined as follows:

- East of Ogden Avenue,
- West of the Mamaroneck River,
- South of Interstate I-95, and
- North of the MTA Rail Line

Many businesses and residents in the aforementioned areas have experienced flooding streets as well as first floor flooding during extreme precipitation events due to the Sheldrake and Mamaroneck Rivers overtopping their banks in conjunction with an overwhelmed and surcharging stormwater drainage system.

SLR Engineering, Landscaping Architecture, and Land Surveying, P.C. (SLR) recently completed their Flood Mitigation and Resilience Report on the Mamaroneck River prepared for the NYSDEC. The report focused on the Mamaroneck and Sheldrake Rivers and included data collection (i.e., hydrology and hydraulic modeling), identification of flood hazards (flooding history and FEMA mapping), flood mitigation analysis and recommendations.

On the morning of November 2, 2023, Mark Carabetta of SLR and I conducted a walking/driving tour of the Washingtonville and Industrial areas. We spoke with several business owners who provided us with information and descriptions of past flooding events and key locations of where Village outfalls near the Sheldrake River become submerged and catch basins that become overwhelmed and back-up causing streets to flood.

After several conversations with Mr. Carabetta and with SLR already retained to conduct a property acquisition study within the same area, it is my opinion that the Village solicits the service of SLR to perform the flood mitigation/drainage system study of the Washingtonville and Industrial areas. The flood mitigation/drainage system study will not only benefit from SLR's thorough knowledge of the hydraulic and hydrologic modeling generated from the Resilient NY flood mitigation report but can also utilize this data in conjunction with any new modeling of the existing current drainage system. This will permit SLR to identify and analyze flood mitigation alternatives in the hydraulic model iteratively to find feasible and effective solutions and apply recommendations made in the Flood Mitigation and Resilience Report.