



Office of Mayor Dan Reiman
Memorial Municipal Building
61 Cooke Avenue
Carteret, New Jersey 07008

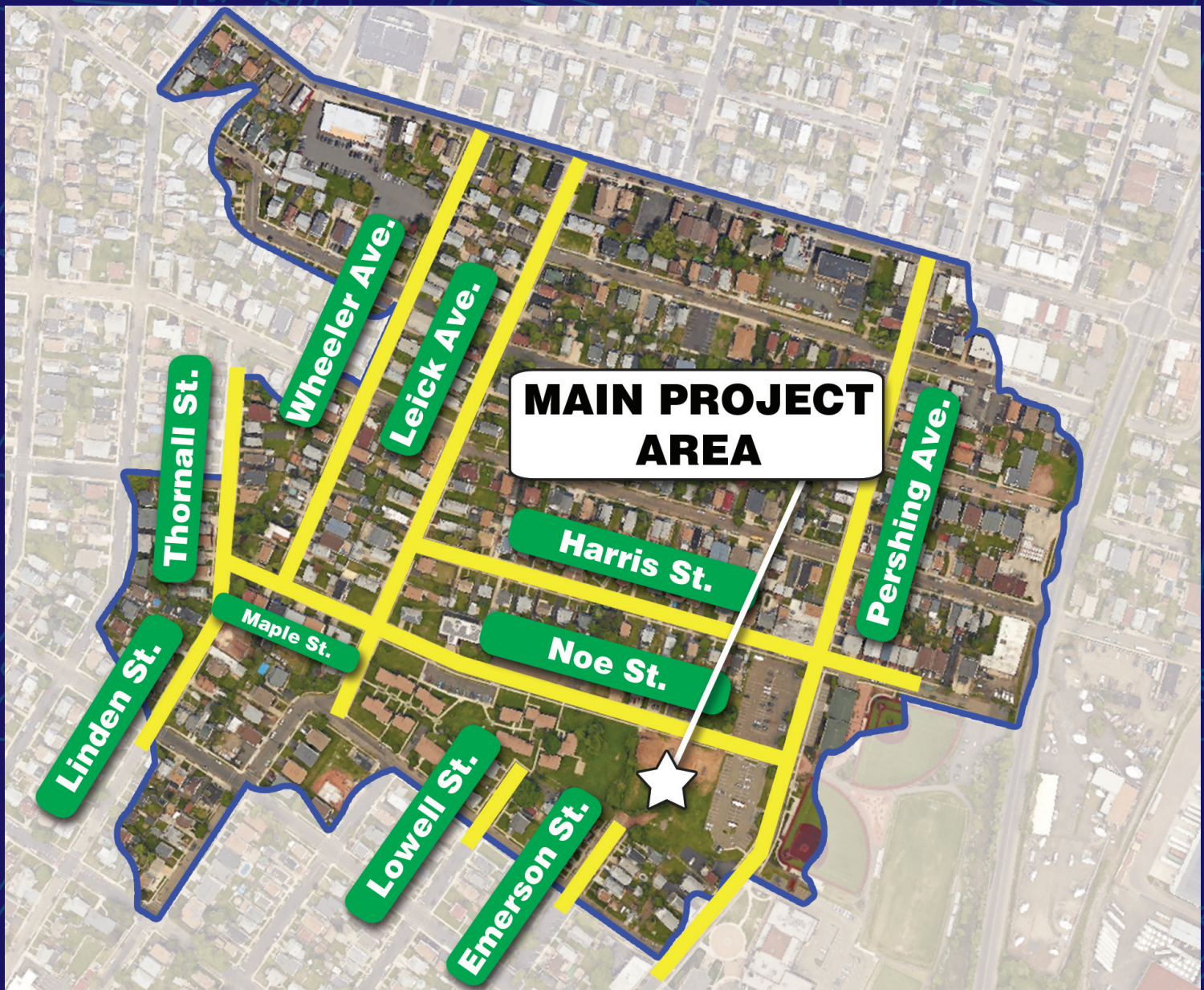
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A PUBLIC SERVICE ADVISORY
*from Mayor Dan Reiman
& the Carteret Borough Council:*

THE NOE STREET AREA STORM WATER & SEWER IMPROVEMENT PROJECT



CARTERET NEWS

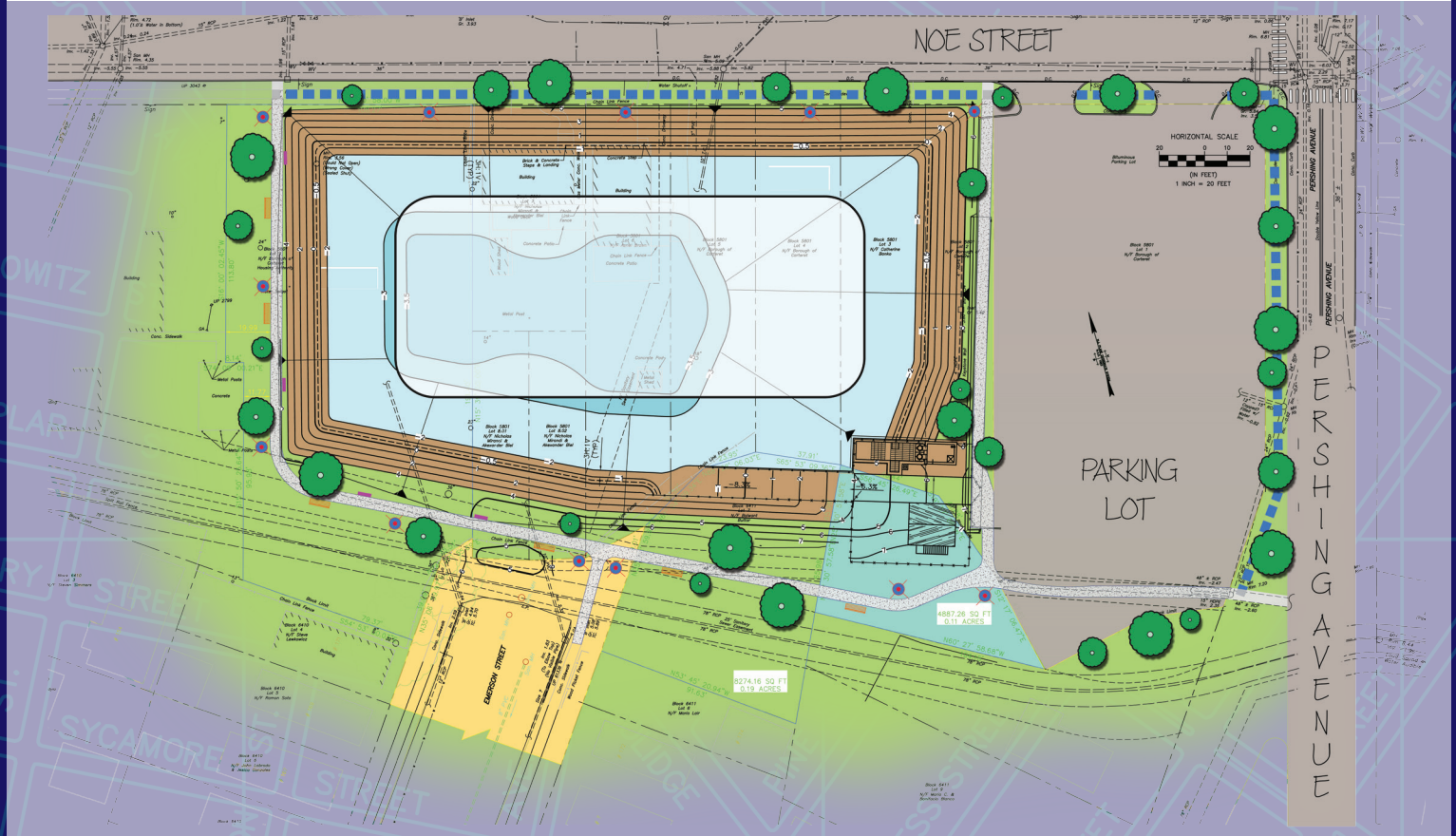
Mayor announces Noe Street area drainage improvements

Carteret NJ: Mayor Dan Reiman and the Borough Council have announced that the Borough has obtained the final state and federal permits for the Noe Street Drainage Area Storm-water Improvements. In the summer of 2015, the Borough was awarded a \$1 million state grant for the water retention basin/park project. The planning and designing phases of the project have concluded with the Borough obtaining final NJ Department of Environmental Protection (NJDEP) approval of construction plans and technical specifications.

"We began developing a plan to alleviate storm water flooding and backups in the center of town encompassing close to a 685 acre area around the Noe's Creek region" said Mayor Reiman. *"The plan calls for nearly \$9 million in upgrades and improvements by increasing the size of our underground storm water collection system, installing additional on street catch basins, and flood control gates at Noe's creek which takes all storm water to the Arthur Kill, as well as building a nearly 2 acre storm water retention pond and pump station."*

The Borough of Carteret will develop a new park with a wet pond that will serve as a detention basin in the Noe Street drainage area, off of Pershing Avenue. The proposed acquisition area totals nearly 2 acres, 8 lots have been acquired by the Borough. Two additional lots, severely damaged by Superstorm Sandy, are scheduled to be acquired. Borough improvements on the site will provide both a recreational amenity and improve area storm water management.

The Noe Street Park will serve as a recreational amenity for any season. The improvements include an open pond with fountains and natural vegetation. The Borough will develop a perimeter walkway with decorative period lighting, benches, and interpretative signage for the plantings and wildlife. A public access ramp into the pond will be built for seasonal ice skating. In addition, an observation platform at a point on the perimeter will be designated for remote control model boats and other similar activities.



Noe Street Area Drainage Improvements - Q&A for public notice

QUESTION: What public infrastructure improvements are planned?

ANSWER(s): The project includes upgrades to the town's storm water drainage system. Existing storm water pipes will be increased in size and street inlets will be added to handle larger amounts of storm water. A large detention basin (pond) will be constructed to move storm water off the streets and properties faster, and a storm water pump station will be installed to pump excess water from the pond system and discharge it to the Arthur Kill Waterway. The pipeline, 1,900 feet in distance, will follow the route along existing roads.

QUESTION: Why are the improvements needed?

ANSWER: The Borough's existing storm water drainage system in the Noe Street Area was constructed over 75 years ago as the neighborhood was being developed. The undersized drainage system combined with the Noe Street Area being generally very flat and low (only a few feet above sea level) results in the flooding of streets and private properties during heavy rainfall events.

QUESTION: What is the Noe Street Area?

ANSWER: The Noe Street drainage "study area" is comprised of 685 acres of residential homes in the center of town. The area of concern is located in the lowest portion and within a tidal flood hazard area. Noe Street elevations are as low as a 4' elevation and high tide is a 2.7' elevation. Noe Street and neighboring areas have experienced nuisance flooding causing overwhelmed storm drains, deterioration of road infrastructures, and frequent road closures during major coastal storms.

QUESTION: Who is responsible for completing the project?

ANSWER: The Borough of Carteret owns and maintains the storm water drainage system and therefore, the Borough is the lead agency for the project. The Borough is in the process of hiring a general contractor who will be constructing all of the storm water system improvements.



MORE Q&A ON NEXT PAGE:

COMMONLY ASKED QUESTIONS (continued)

QUESTION: At which specific streets will the drainage improvements be made?

ANSWER(s): The existing drainage system will be improved along Noe Street, Harris Street, Leick Avenue, Maple Street, portions of Linden Street, Thornall Street, Wheeler Avenue, Pershing Avenue, and at the dead ends of Emerson Street and Lowell Street. The detention or retention basin will be constructed along Noe Street near Pershing Avenue.

QUESTION: Will there be improvements other than drainage system upgrades?

ANSWER(s): Yes. The streets within the project area that will undergo drainage system upgrades will also be completely repaved from curb to curb and in some limited cases, new curbs will be installed.

QUESTION: Will my property be affected by the project?

ANSWER(s): The project drainage improvements will largely be constructed within Borough streets and the street right-of-ways that generally extend to the back of the sidewalk along your property frontage. In some limited cases, drainage system upgrades will take place within private property easements. If work is to be done within an easement on your property, you have already been notified of the required work. Once all work is completed in the roadways and within easements, all properties will be restored to original or better condition.

QUESTION: When will the project work begin and how long will it last?

ANSWER(s): The current schedule is for the project work to begin in The Spring of this year (2016) and continue to its completion which is anticipated by the end of 2017 or early 2018. The project duration is planned for approximately 18 months.

QUESTION: When will the work start on my street or my property?

ANSWER(s): The contractor selected by the Borough will determine the schedule of the work for each street. Therefore, no schedule of work by street is available at this time. However, all affected property owners will be notified by the contractor in advance of work being done on their street or property.

QUESTION: Will I always have access to my property and home?

ANSWER(s): Yes. The contractor is required to provide residents with uninterrupted access to their properties and homes at all times during construction. However, there may be times when vehicular access to your driveway and street is limited during a short period of time due to the ongoing work. In all of these cases, the contractor will be required to provide you with proper advanced notice of restricted access.

QUESTION: Have any, or all, agency and/or approvals for the project been obtained?

ANSWER(s): The Borough has obtained the final state and federal permits for the Noe Street Drainage Area Storm-water Improvements. In addition, the Borough has obtained the following agency permits and approvals for the project:

NJDEP Land Use Regulation

- Flood Hazard Permit
- Freshwater Wetland General Permit No. 11
- In-Water Waterfront Development Individual Permit
- Upland Waterfront Development Individual Permit

U.S. Army Corps of Engineers

- Nationwide Permit No. 7 – outfalls and intake structures

Freehold Soil Conservation District

- Soil Erosion and Sediment Control Permit

NJDEP Bureau of Surface Water & Water Allocation

- Dewatering & Surface Water Discharge Permit
- Groundwater Diversion Permit

QUESTION: What are the costs associated with these improvements? How are they being funded?

ANSWER(s): The Noe Street Area property acquisition costs are \$1.04 million covered by the NJDEP grant. The NJ Environmental Infrastructure Trust (NJEIT) has approved \$8.16 million for construction and other soft costs, of which 19% is in the form of a grant. The balance of the NJEIT fund is in the form of low interest loan.



QUICK FACTS & PROJECT OVERVIEW:

Nuisance Flood Events Are Significantly Increasing Around the U.S.

What is nuisance flooding?

Flooding which causes public inconvenience.

What are the impacts of nuisance flooding?

Frequent road closures, overwhelmed storm drains, and deterioration of infrastructure such as roads and rail.

Where is this happening?

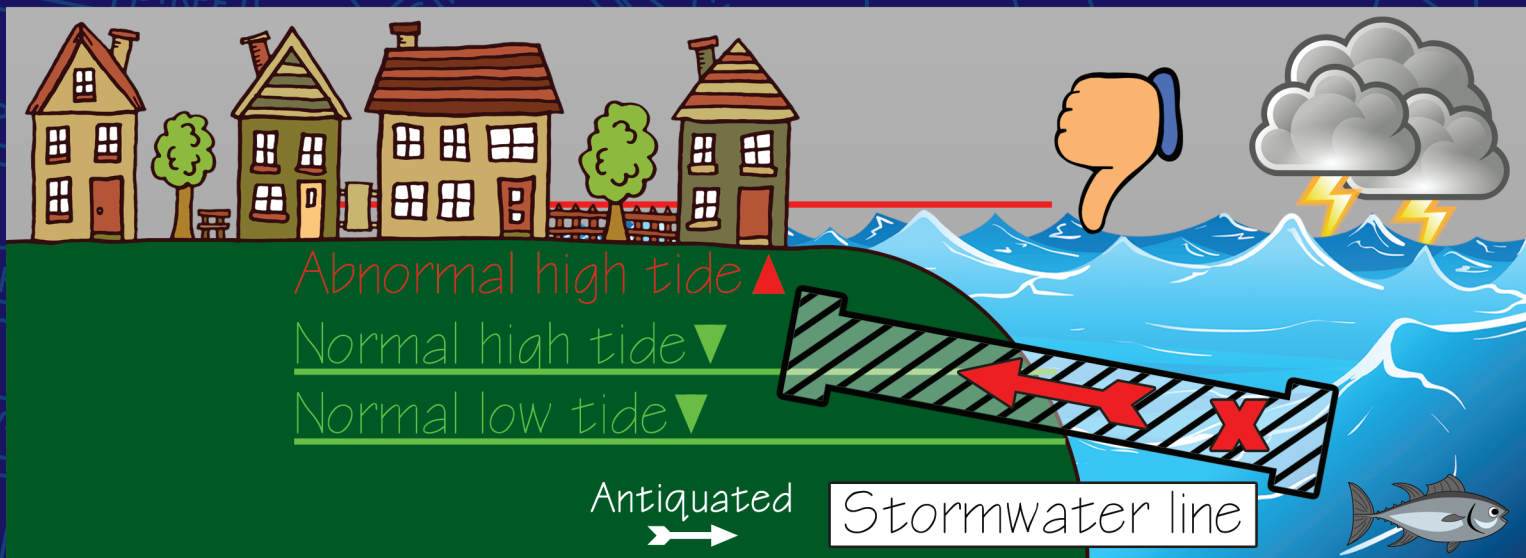
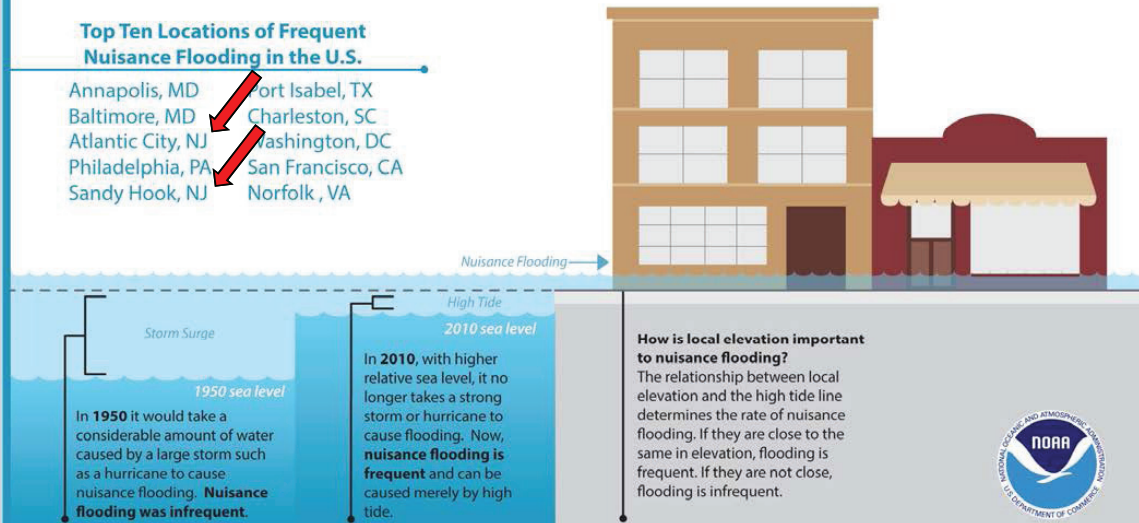
Nuisance flooding is increasing around the coastal U.S., with more rapid acceleration along the East and Gulf Coasts.

Why is this happening?

Nuisance flooding is increasing due to climate-related sea level rise and land subsidence (sinking) combined with loss of natural coastal barriers.

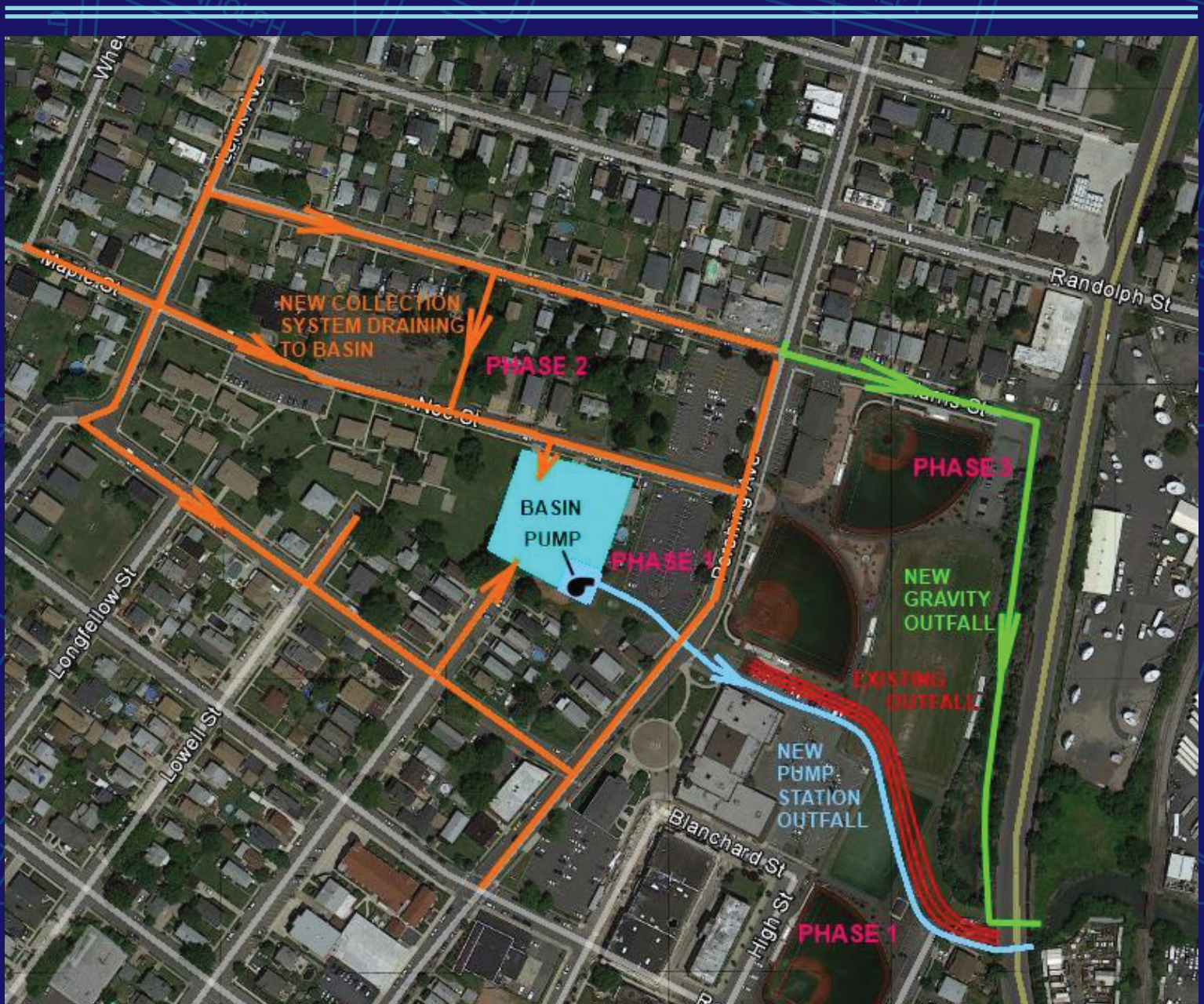
Top Ten Locations of Frequent Nuisance Flooding in the U.S.

Annapolis, MD
Baltimore, MD
Atlantic City, NJ
Philadelphia, PA
Sandy Hook, NJ
Port Isabel, TX
Charleston, SC
Washington, DC
San Francisco, CA
Norfolk, VA



FINDINGS FOR NOE STREET AREA:

- The Noe Street Study Area is low compared to high tide elevations
- The Noe Street Study Area elevations are as low as a 4' elevation
- High tide is a 2.7' elevation
- Large drainage area is 685 acres
- Outfall is undersized causing a system back up when greater than an 8' elevation
- Collection systems within area of concern are also undersized



MORE OVERVIEW ON BACK PAGE:

QUICK FACTS & PROJECT OVERVIEW (con't.) :

BENEFITS OF PROJECT

- 685 acre area will be served adequately by existing outfall
- Will function during a 25-50 year event at high tide
- Will no longer back up into low lying areas causing flooding

DETAILS OF PROJECT

- Install new gravity flow outfall
- Install new basin, pump station and outfall
- Pumping will only be needed during high tide
- New collection systems will be sized for 25-50 year events
- Pump station will be sized to maintain “passable” streets during 25-50 year events
- Ponding should generally not occur for normal storms
- Pumping negates tidal effects on low lying areas
- [Note that no improvements will be 100% effective for a “Superstorm Sandy” type of event]

