

Appendix O
U.S. Environmental Protection Agency
Consultation

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Governor's Office of Storm Recovery

ANDREW M. CUOMO
Governor

March 11, 2020

Mr. Mike Poetzsch
Chief of the Environmental Review Section
U.S. Environmental Protection Agency
Region 2 Main Regional Office
290 Broadway
New York, NY 10007-1866

via email: poetzsch.michael@epa.gov

Re: Sole Source Aquifer Analysis – CDBG-DR Funding Application
Living with the Bay Stormwater Projects, Nassau County, NY

Dear Mr. Poetzsch:

The New York State Governor's Office of Storm Recovery (GOSR) proposes to fund the Living with the Bay Stormwater Projects (Proposed Action) located throughout Nassau County, New York. The proposed project area would span across multiple communities, including the Villages of Hempstead, Rockville Centre, Lynbrook, and East Rockaway, and the Town of Hempstead.

The Proposed Action consists of five (5) components are driven by the Rebuild by Design Competition lead by the U.S. Department of Housing and Urban Development and are intended to respond to Hurricane Sandy's impacts in the northeast region of the United States by addressing flooding caused by rainfall, improving habitat and water quality, mitigating shoreline erosion, easing public access to the waterfront, increasing community connectivity, and providing opportunities for public education. See **Attachment 1, Figures 1 and 2** for the component locations. The Proposed Action components are as follows:

Smith Pond Rehabilitation: Smith Pond is a 22-acre freshwater pond located along the Mill River north of Sunrise Highway in the Village of Rockville Centre. The proposed improvements would consist of the following:

- **Floodwall and Floodgate.** Installation and construction of vinyl sheet pile floodwalls with a timber cap along Merrick Road, and along Claude and Nassau Streets, to prevent off-site flooding. A 35-foot-wide passive floodgate would be incorporated into the wall at the southern parking lot on Nassau Street.
- **Weir Enhancements and Access Road.** The deteriorated timber sheeting and wale on the downstream face of the weir would receive a new concrete-block face. The adjacent timber bulkheads and piles would be removed and replaced with a new concrete bulkhead that would be tied into the weir and receiving-channel concrete slab. The receiving concrete slab would also be repaired. Along the access road to the weir from Merrick Road, a 15-foot-wide compacted dense graded aggregate would be placed with a 2-percent cross slope for drainage.
- **Fish Ladder.** This pool and chute fish ladder would operate at a range of streamflows that occur during the spring at Smith Pond. Each pool would be 6-feet-long by 6-feet-wide with a minimum depth of 2.5-feet and a drop per pool of 0.5-feet.
- **Porous Pavement.** A porous pavement parking lot would be installed on the east side of Smith Pond.

- Inlet Headwall and Wing Walls. Structural repair of the northeast culvert head wall and wing walls would include tuck-pointing all exposed mortar joints, stone repair, replacement of the deteriorated wall cap, stone cleaning all surfaces, stone sealing all surfaces, and final cleaning.
- Greenway and Pedestrian Outlook Enhancements. A new 6-foot-wide greenway would be constructed using the alignments of existing pathways. The northern outlook at the northeast outfall and the new southern outlook at the weir would both be connected to the greenway. Electrical conduits and wiring would be installed along the proposed greenway for low-level bollard lighting.
- Invasive Vegetation Removal. Upland/wetland invasive vegetation removal would occur along the north, east, and west shorelines of Smith Pond, with supplemental plantings of native species.

Lister Park Improvements: South of Smith Pond, just north of East Rockaway High School (ERHS), the Lister Park project would entail the proposed improvements:

- Tighe Field. Construction of a bioretention basin and introduction of vegetation at the northwest corner of the Tighe Field parking lot; improvement the parking lot and walkways by removing the curb on the north and west sides of the parking lot and replacing it with pre-cast concrete bumpers, and a new 4-foot sidewalk with an ADA-compliant curb and detectable warning surface from the parking lot; installation of a drainage system leading to the bioretention basin.
- Centennial Field. Construction of a bioretention basin, installation of an underdrain collection system, and introduction of vegetation immediately north of the Centennial Field parking lot; a full-depth pavement reclamation of the parking lot; and installation of a 6-inch perforated high-density polyethylene (HDPE) storm drain through the middle of the parking lot.
- Bligh Field. Construction of a 670-linear-foot, 10-foot wide porous, asphalt greenway adjacent to the river, with drainage relief pipes installed at low points; installation and rehabilitation of four crosswalks; removal of the sidewalk on the southern side of South Park Avenue, between Oceanview and Riverside Roads, and the curb along South Park Avenue; installation of a knee wall; on the opposite side of Riverside Road, installation of a concrete sidewalk; a full-depth pavement reclamation process of the parking lot to install porous asphalt; construction of an earthen berm along the eastern side of Bligh Field; construction of an access ramp to the existing Mill River Overlook on the east side of parking lot, and the replacement of the existing overlook.
- Living Shoreline. Installation of living shoreline and bank stabilization along the Mill River, adjacent to Tighe, Centennial, and Bligh Fields.

East Rockaway High School: Located along the west bank of the Mill River, between Centre Avenue and Pearl Street, the ERHS component would involve the proposed improvements:

- Bulkhead and Shoreline Improvements. The existing bulkhead would be elevated by 2 feet above the current grade, and approximately 634 linear feet of proposed bulkhead would be built along the east side of the site. On the eastern shoreline of Mill River, approximately 29 linear feet of proposed bulkhead would be installed, as well as a 20-by-10-foot rip rap apron at the corner of River Avenue.
- Green Infrastructure and Emergency Generator. A rain garden and a hydrodynamic separator would be installed by the faculty parking lot. An emergency generator would be installed between the school building.
- Parking Lot Enhancements. The entire parking lot would be replaced with new pavement, graded to direct stormwater runoff to the proposed green infrastructure to the east.

- Improved Drainage. A French drain with 12-inch perforated HDPE pipe is proposed on the eastern side of the sports field. At two locations, additional piping would connect the perforated HDPE pipe invert to the bulkhead.
- Proposed Greenway. Creation of a porous asphalt greenway, ranging from 4 to 10 feet in width, beginning at the end of Centre Avenue in the north and ending at Ocean Avenue in the south.

East, West, North Boulevards Stormwater Drainage Improvements: This component site is situated in Bay Park, a hamlet in the southwestern portion of the Town of Hempstead. It is bordered by Hewlett and Hewlett Harbor to the west, East Rockaway to the north, Oceanside to the east, and Hewlett Bay to the south. The proposed component would consist of the following:

- Drainage Improvements. Installation of conventional storm sewer structures, such as catch basins, manholes, and storm drainpipes. All improvements would be constructed within existing roadway rights-of-way.
- Roadway Enhancements. Minor paving and surface enhancements at the East, North, and West Boulevards within their rights-of-way.
- Bioretention Basins. Two bioretention basins would be installed at the ends of West Evans Street and Court West Street. Each basin would cover an area of approximately 3,200 square feet.
- Bulkhead. Two new bulkheads, one at the end of West Evans Street and the other at the end of West Sampson Street, would be installed. The bulkheads would be 30- to 35-foot long, made of timber, and include 32-foot-long wood piles driven into the channel bottom. Vinyl sheeting would be attached, and each bulkhead would be supported by an inland structure located in the existing roadway, approximately 14 feet from the bulkhead.

Mill River Greenway: The proposed greenway would span across multiple communities, including the Villages of Hempstead, Rockville Centre, Lynbrook, and East Rockaway, and the Town of Hempstead. As it connects through these communities, it would connect to several waterbodies along the Mill River, including Smith Pond, South Pond, McDonald Pond, and Hempstead Lake.

- The continuous greenway would extend approximately 5.1 miles from Hempstead Lake State Park and Tanglewood Preserve south to Bay Park and Hewlett Bay. The multiuse path would vary in width and, where practical, would typically include 10-foot-wide permeable pavement with water storage and infiltration.

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), GOSR is acting under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”) and is the entity responsible for compliance with the HUD NEPA environmental review procedures set forth in 24 C.F.R. Part 58. 24 C.F.R. Part 58 requires GOSR to review projects for conformance with the Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300(f) et seq., and 21 U.S.C. 349) as amended, and Environmental Protection Agency (“EPA”) regulations pertaining to Sole Source Aquifers found at 40 C.F.R. Part 149.

In accordance with the Memorandum of Understanding (“MOU”) between EPA and HUD dated August 24, 1990, GOSR hereby requests an Initial Screen/Preliminary Review for the project described above. Please review the attached documentation, including the Sole Source Aquifer map (**Attachment 1, Figure 3**) and SWAP Map (**Attachment 1, SWAP Maps**). A *Non-Housing/Project Activity Initial Screen Criteria* (**Attachment 2**) to the MOU SSA Preliminary Review Information Form (**Attachment 3**). In accordance with the MOU, a nonresponse within fifteen days shall constitute a favorable review of the project/activity.

If you have any questions, please feel free to contact me at (212) 480-6265 or by email: Matt.Accardi@stormrecovery.ny.gov. Thank you for your consideration and cooperation.

Sincerely,



Matt Accardi
Certifying Environmental Officer
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

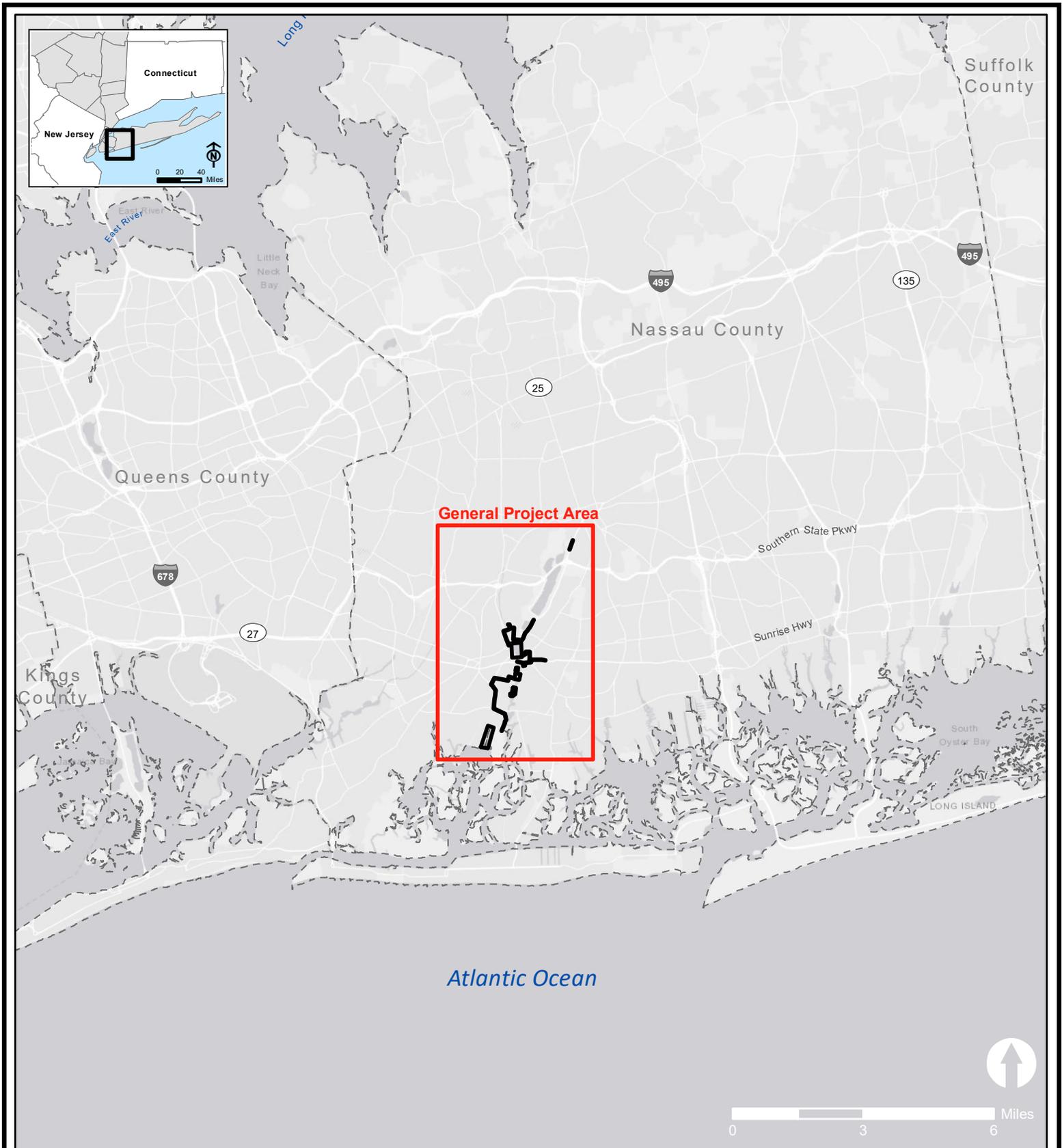
Enclosures:

Attachment 1: Project Location, SSA and SWAP Maps

Attachment 2: MOU Attachment 2a

Attachment 3: SSA Preliminary Review Information Requirements Form

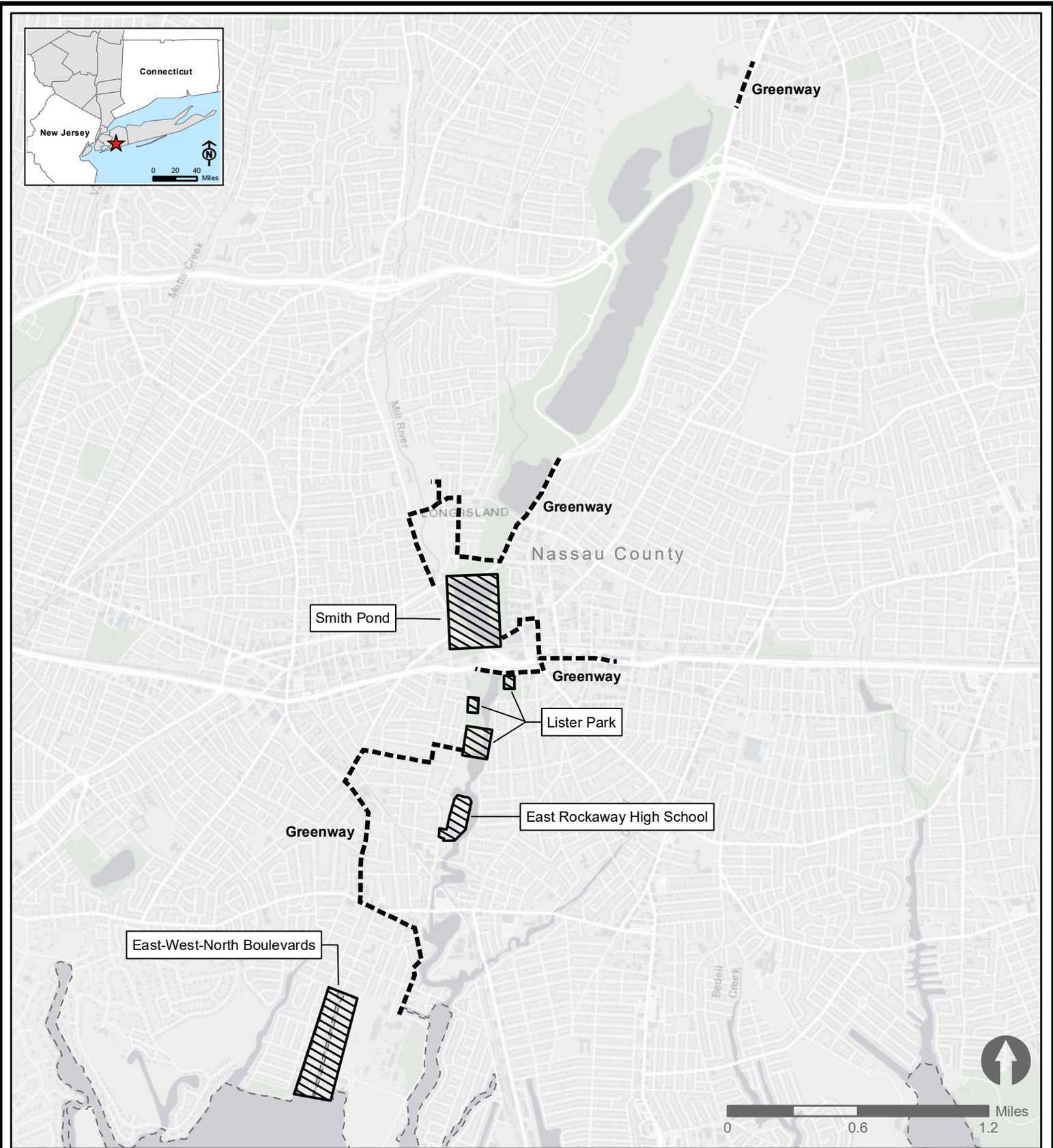
Attachment 1: Project Location, SSA and SWAP Maps



- Project Component
- County Boundary

Figure 1
Regional Location

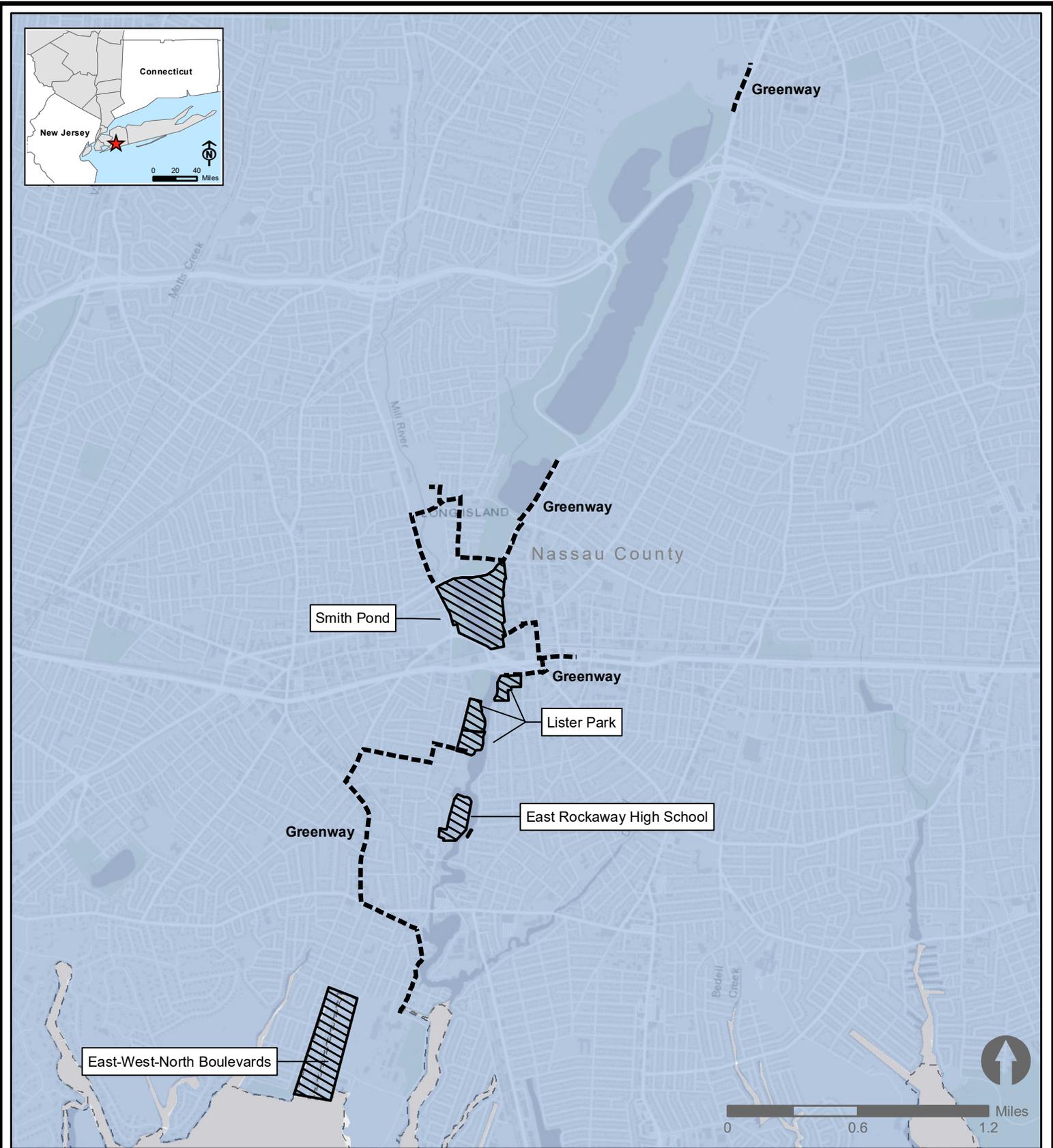
Living with the Bay Stormwater
Infrastructure Upgrades Projects



- Project Centerline
- ▨ Project Boundary
- County Boundary

Figure 2
Project Location

Living with the Bay Stormwater
Infrastructure Upgrades Projects



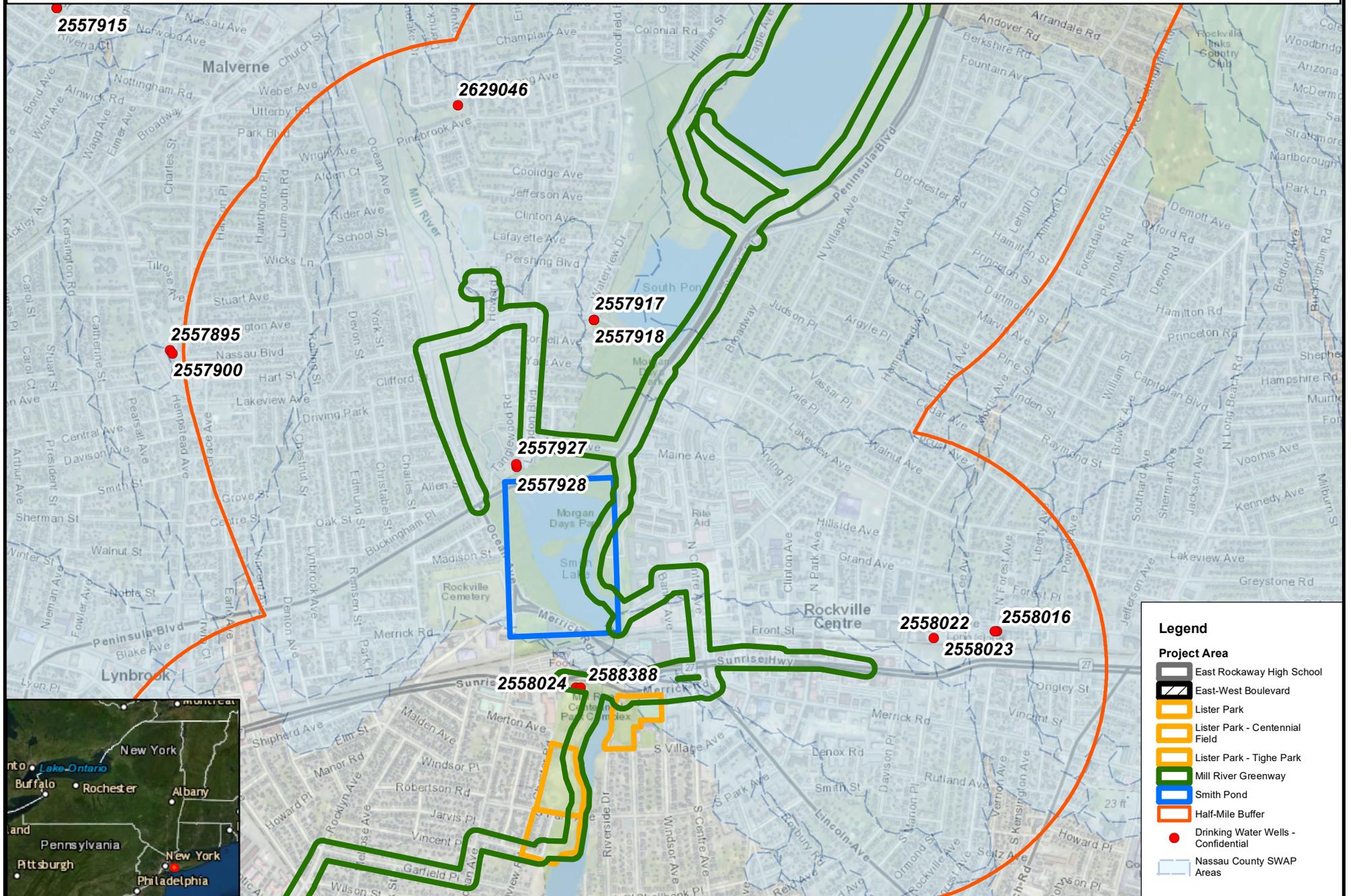
- Project Centerline
- ▨ Project Boundary
- Nassau-Suffolk Sole-Source Aquifer (SSA)
- County Boundary

Figure 3
Sole Source Aquifer

Living with the Bay
Stormwater Projects



Sole Source Aquifer-SWAP Analysis Map - Middle Section



Legend

Project Area

- East Rockaway High School
- East-West Boulevard
- Lister Park
- Lister Park - Centennial Field
- Lister Park - Tighe Park
- Mill River Greenway
- Smith Pond
- Half-Mile Buffer
- Drinking Water Wells - Confidential
- Nassau County SWAP Areas



Living with the Bay
Nassau County, New York

Half-Mile Buffer SSA and SWAP Analysis



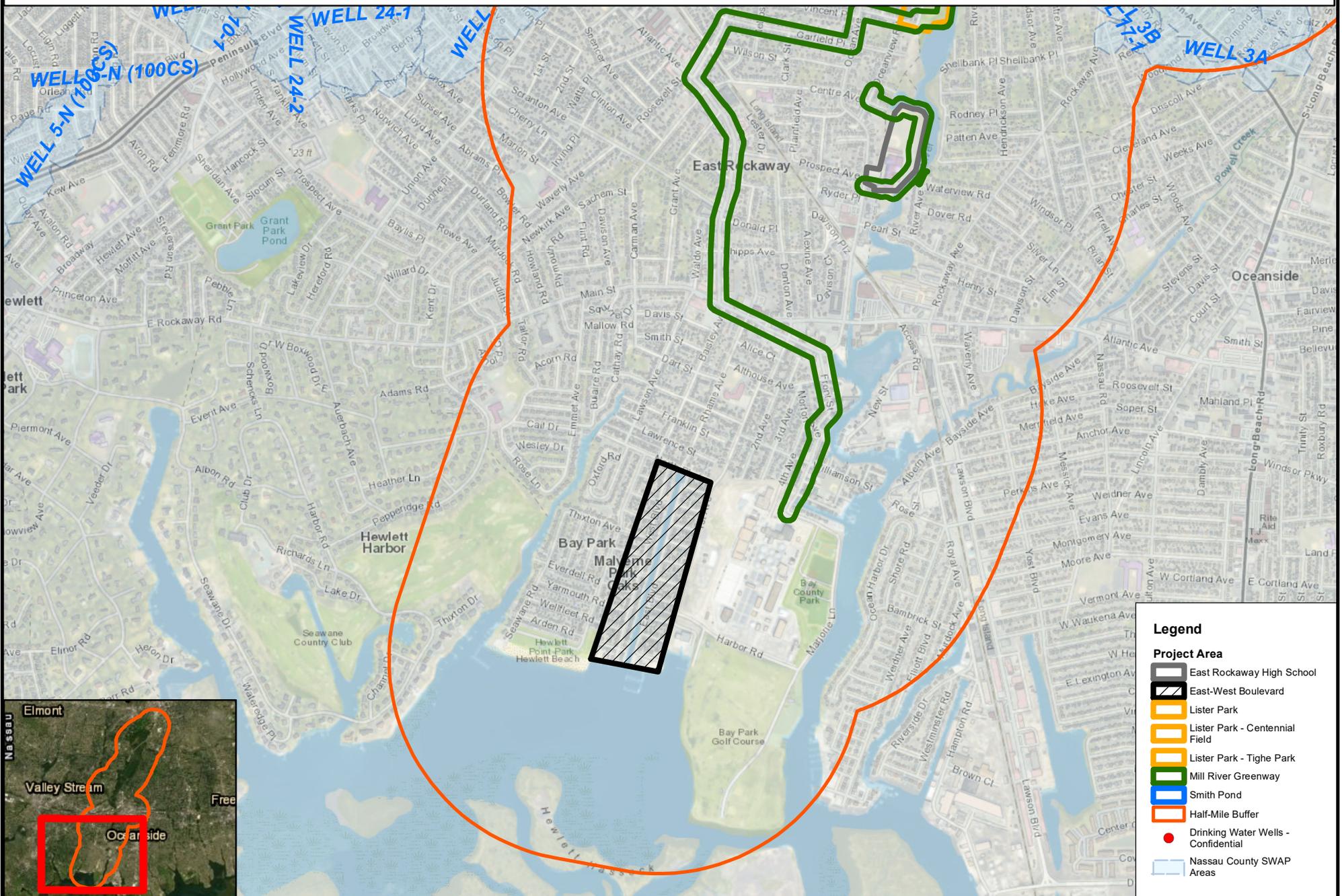
Governor's Office of Storm Recovery

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Sole Source Aquifer-SWAP Analysis Map - Southern Section



Legend

- East Rockway High School
- East-West Boulevard
- Lister Park
- Lister Park - Centennial Field
- Lister Park - Tighe Park
- Mill River Greenway
- Smith Pond
- Half-Mile Buffer
- Drinking Water Wells - Confidential
- Nassau County SWAP Areas



Living with the Bay
Nassau County, New York

Half-Mile Buffer SSA and SWAP Analysis



Governor's Office of Storm Recovery



Drawn By: ASL | Version: 1.0 | Date: 2/3/2020

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Attachment 2: MOU Attachment 2a

ATTACHMENT 2.A

NON-HOUSING/PROJECT ACTIVITY INITIAL SCREEN CRITERIA

The following list of criteria questions are to be used as an initial screen to determine which non-housing projects/activities should be forwarded to the Environmental Protection Agency (EPA) for Preliminary Sole Source Aquifer (SSA) Review. If any of the questions are answered affirmatively, Attachment 3, SSA Preliminary Review Requirements, should also be completed. The application/final statement, this Attachment, Attachment 3, and any other pertinent information should than be forwarded to EPA at the address below.

Any project/activity not meeting the criteria in this Attachment, but suspected of having a potential adverse effect on the Sole Source Aquifer should also be forwarded.

CRITERIA QUESTIONS	YES	NO	N/A
1. Is the project/activity located within a currently designated or proposed groundwater sensitive area such as a special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area, etc.? [This information can be obtained from the County or Regional Planning board, the local health department, the State health department or the State environmental agency.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the project/activity located within a one half mile radius (2640 feet) of a current or proposed public water supply well or wellfield? [This information can be obtained from the local health department, the State health department or the State environmental agency.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Will the project/activity include or directly cause (check appropriate items):

	YES	NO	N/A
construction or expansion of solid waste disposal, recycling or conversion facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion or closure of landfills	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of water supply facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of on-site wastewater treatment plants or sewage trunk lines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of gas or petroleum trunk lines greater than 1320 feet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of railroad spurs or similar extensions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
construction or expansion of municipal sewage treatment plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4. Will the project/activity include storage or handling of any hazardous constituents as listed in Attachment 4, Hazardous Constituents

5. Will the project/activity include bulk storage of petroleum in underground or above ground tanks in excess of 1100 gallons?
(Please give what assurance they are done in a proper manner.)

6. Will the project/activity require a federal or state discharge elimination permit or modification of an existing permit?

This attachment was completed by:

Name: Matt Accardi

Title: Assistant General Counsel

Address: Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Telephone number: 212.480.6265

Date: March 10, 2020

Attachment 3: SSA Preliminary Review Information Requirements Form

ATTACHMENT 3

SSA PRELIMINARY REVIEW INFORMATION REQUIREMENTS

Where currently available, the information in this Attachment should be provided to the Environmental Protection Agency (see address below) along with the application/final statement; Attachment 2.A, Non-Housing Initial Screen Criteria or Attachment 2.B, Housing Initial Screen Criteria; and any other information which may be pertinent to a Sole Source Aquifer review. Where applicable, indicate the source of your information.

I. Project/Activity Location	Enclosed?	
	Yes	No
1. Provide the geographic location and total acreage of the project/activity site. Include a site map which identifies the site in relation to the surrounding area. [Examples of maps which can be used include: 1:24,000 or 1:25,000 U.S. Geological Survey quadrangle sheet, Hagstroms Street Map.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. If applicable, identify which groundwater sensitive areas (Special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area, etc.) the project/activity is located within or adjacent to. [This information may be obtained from the County or Regional planning board, the local health department, the State health department or the State environmental agency.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>

II. Nature of Project/Activity	Enclosed?	
	Yes	No
3. Provide a general narrative describing the project/activity including but not limited to: type of facility; type of activities to be conducted; number and type of units; number of residents, etc. Provide the general layout of the project/activity site and site-plan if available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

III. Public Water Supply	Enclosed?	
	Yes	No
4. Provide a description of plans to provide water supply.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5. Provide the location of nearby existing or proposed public water supply wells or wellfields within one half mile radius (2640 feet) of the project/activity. Provide the name of the supplier(s) of those wells or wellfields. This information should be available from the local health department, State health department or the State environmental agency.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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IV. Wastewater and Sewage Disposal	Enclosed?	
	Yes	No
6. Provide a description of plans to handle wastewater and sewage disposal. If the project/activity is to be served by existing public sanitary sewers provide the name of the sewer district.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Provide a description of plans to handle storm water runoff.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Identify the location, design, size of any on-site recharge basins, dry wells, leaching fields, retention ponds, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

V. Use, Storage, Transport of Hazardous or Toxic Materials <i>(Applies only to non-housing projects/activities)</i>	Enclosed?	
	Yes	No
9. Identify any products listed in Attachment 4, Hazardous Constituents, of the Housing and Urban Development-Environmental Protection Agency Memorandum of Understanding which may be used, stored, transported, or released as a result of the project not related to construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Identify the number and capacity of underground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Identify the number and capacity of above ground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site	<input type="checkbox"/>	<input checked="" type="checkbox"/>

This attachment was completed by:

Name: Matt Accardi

Title: Assistant General Counsel

Address: Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Telephone number: 212.480.6265

Date: March 10, 2020

I. Project/Activity Location

1. Provide the geographic location and total acreage of the project/activity site. Include a site location map which identifies the site in relation to the surrounding area. [Examples of maps which can be used include: 1:24,000 or 1:25,000 U.S. Geological Survey quadrangle sheet, Hagstroms Street Map.]

The proposed project is located throughout Nassau County, New York, and spans across multiple communities, including the Villages of Hempstead, Rockville Centre, Lynbrook, and East Rockaway, and the Town of Hempstead (**Attachment 1, Figures 1 and 2**).

The proposed project would include the following five (5) components: (1) Smith Pond Rehabilitation; (2) Lister Park Improvements; (3) East Rockaway High School; (4) East, West, and North Boulevards Stormwater Drainage Improvements; and (5) Mill River Greenway. These components total approximately 80.7 acres. Locations and individual acreages of the proposed components are as follows:

Smith Pond Rehabilitation: Smith Pond is a 22-acre freshwater pond located along the Mill River north of Sunrise Highway in the Village of Rockville Centre. In total, the project site is 45.5 acres.

Lister Park Improvements: Consisting of four site locations (Tighe Field, Centennial Field, Bligh Field, and the shoreline throughout Lister Park), the Lister Park Improvements component is located south of Smith Pond and just north of East Rockaway High School (ERHS), along Mill River. Together, the Lister Park Improvement's site area is 5.1 acres.

East Rockaway High School: This component is located along the west bank of the Mill River, between Centre Avenue and Pearl Street. It is 2.7 acres.

East, West, and North Boulevards Stormwater Drainage Improvements: This component site is situated in Bay Park, a hamlet in the southwestern portion of the Town of Hempstead. It is bordered by Hewlett and Hewlett Harbor to the west, East Rockaway to the north, Oceanside to the east, and Hewlett Bay to the south. The total project site area is approximately 10.6 acres.

Mill River Greenway: The proposed greenway would span across multiple communities, including the Villages of Hempstead, Rockville Centre, Lynbrook, and East Rockaway, and the Town of Hempstead. As it connects through these communities, it would connect to several waterbodies along the Mill River, including Smith Pond, South Pond, McDonald Pond, and Hempstead Lake. It is approximately 17.5 acres or 5.1 miles.

2. If applicable, identify which groundwater sensitive areas (Special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area etc.) the project/activity is located within or adjacent to. [This information may be obtained from the County or Regional planning board, the local health department, the State health department or the State environmental agency.]

The project area is located within the Mill River Watershed Area.

II. Nature of Project Activity

3. Provide a general narrative describing the project/activity including but not limited to: type of facility; type of activities to be conducted; number and type of units; number of residents etc. Provide the general layout of the project/activity site and a site-plan if available.

The Proposed Project consists of five (5) components which intent to address flooding caused by rainfall, improve habitat and water quality, mitigate shoreline erosion, ease public access to the waterfront, increase community connectivity, and provide opportunities for public education. The locations of the proposed components are listed above. Descriptions of their proposed improvements are as follows:

Smith Pond Rehabilitation:

- Floodwall and Floodgate. Installation and construction of vinyl sheet pile floodwalls with a timber cap along Merrick Road, and along Claude and Nassau Streets, to prevent off-site flooding. A 35-foot-wide passive floodgate would be incorporated into the wall at the southern parking lot on Nassau Street.
- Weir Enhancements and Access Road. The deteriorated timber sheeting and wale on the downstream face of the weir would receive a new concrete-block face. The adjacent timber bulkheads and piles would be removed and replaced with a new concrete bulkhead that would be tied into the weir and receiving-channel concrete slab. The receiving concrete slab would also be repaired. Along the access road to the weir from Merrick Road, a 15-foot-wide compacted dense graded aggregate would be placed with a 2-percent cross slope for drainage.
- Fish Ladder. This pool and chute fish ladder would operate at a range of streamflows that occur during the spring at Smith Pond. Each pool would be 6-feet-long by 6-feet-wide with a minimum depth of 2.5-feet and a drop per pool of 0.5-feet.
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- Living Shoreline. Installation of living shoreline and bank stabilization along the Mill River, adjacent to Tighe, Centennial, and Bligh Fields.

East Rockaway High School:

- Bulkhead and Shoreline Improvements. The existing bulkhead would be elevated by 2 feet above the current grade, and approximately 634 linear feet of proposed bulkhead would be built along the east side of the site. On the eastern shoreline of Mill River, approximately 29 linear feet of proposed bulkhead would be installed, as well as a 20-by-10-foot rip rap apron at the corner of River Avenue.
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- Proposed Greenway. Creation of a porous asphalt greenway, ranging from 4 to 10 feet in width, beginning at the end of Centre Avenue in the north and ending at Ocean Avenue in the south.

East, West, North Boulevards Stormwater Drainage Improvements:

- Drainage Improvements. Installation of conventional storm sewer structures, such as catch basins, manholes, and storm drainpipes. All improvements would be constructed within existing roadway rights-of-way.
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Mill River Greenway:

The continuous greenway would extend approximately 5.1 miles from Hempstead Lake State Park and Tanglewood Preserve south to Bay Park and Hewlett Bay. The multiuse path would vary in width and, where practical, would typically include 10-foot-wide permeable pavement with water storage and infiltration.

III. Public Water Supply

4. Provide a description of plans to provide water supply.

The proposed project would not provide a water supply.

5. Provide the location of nearby existing or proposed public water supply wells or wellfields within a one half mile radius (2,640 feet) of the project/activity. Provide the name of the supplier(s) of those wells or wellfields. This information should be available from the local health department, State health department or the State environmental agency.

The area is served with public water. There are six wells identified within in a wellfield in the northwestern portion of the project area; two wells are located in a wellfield in the northeast. There is one wellfield to the east of the greenway containing three wells within the 2,640-foot boundary. These wells are located off Reeve Road on Village- owned property (Section 36, Block C, Lot 3).

In total, there are ten wells identified within the middle portion of the project, as seen in the third SWAP analysis map (**Attachment 1, SWAP Maps**). Three wells are located to the east of the greenway, north of Sunrise Highway. Along Sunrise Highway and the greenway, just north of the Lister Park component, two wells are present. Immediately north of Smith Pond, another two wells are present. Two more wells are located to the east of the northern middle portion of the Greenway component and to the southwest of South Pond. A single well is present to the north of the northern middle portion of the Greenway component. An additional two wells are located to the west of the greenway but are immediately outside the 2,640-foot boundary.

No wells are located in the southern portion of the project area.

There may be private drinking water wells proximate to the project area, but these are not regulated by the Town or County and thus are not inventoried in a readily available database. The enclosed Half Mile Buffer and SWAP Analysis Figure (**Attachment 1, SWAP Maps**) indicates there are a number of drinking water wells within ½ mile buffer of the entire proposed project area.

IV. Wastewater and Sewage Disposal

6. Provide a description of plans to handle wastewater and sewage disposal. If the project/activity is to be served by existing public sanitary sewers, provide the name of the sewer district.

The Proposed Action does not involve the deployment of uses that would increase wastewater treatment demand. The existing uses on the project sites use the existing wastewater treatment plant Bay Park Sewage Treatment Plant to handle wastewater and sewage disposal, and this would not change under the Proposed Action.

7. Provide a description of plans to handle stormwater runoff.

The Proposed Action would improve stormwater management. The Proposed Action would generate stormwater runoff from approximately 0.14 acres of new impervious surface from greenway creation at Maine Avenue and Nassau Street. Sections of greenway will be installed at ERHS and Bligh Field, and an access road at Smith Pond, but all new trails and roads will be made with porous materials. The Proposed Action includes the improvement of six parking lots throughout the project, changing approximately 1.16 acres of impervious asphalt to porous concrete. The project includes new bio retention basins and rain gardens adjacent to the parking areas

just described, which are intended to absorb stormwater flows from existing and new impervious surfaces. Vegetated areas along trails would also absorb stormwater flows. The project is anticipated to result in an overall reduction/slowing of stormwater flows into the Mill River and into the ground.

8. Identify the location, design, size of any on-site recharge basins, dry wells, leaching fields, retention ponds etc.

The Proposed Action would include the creation of four bioretention basins, two in the Lister Park component and two in the Boulevards component. Within the Lister Park component, one bioretention basin would be constructed at the northwest corner of the Tighe Field parking lot, and the other would be constructed at the northern edge of the Centennial Field parking lot. Within the Boulevards component, two bioretention basins would be installed at the ends of West Evans Street and Court West Street; the basins would cover an area of approximately 3,200 square feet.

V. Use, Storage, Transport of Hazardous or Toxic Materials

9. Identify any products listed in Attachment 4, Hazardous Constituents, of the Housing and Urban Development-Environmental Protection Agency Memorandum of Understanding which may be used, stored, transported, or released as a result of the project not related to construction.

The Proposed Action would not involve the use, storage, transport, or release of hazardous or toxic materials.

10. Identify the number and capacity of underground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site.

The project/activity site would not include any underground storage tanks as a result of the proposed action.

11. Identify the number and capacity of above ground storage tanks at the project/activity site. Identify the products and volume to be stored, and the location on the site.

The project/activity site would not include any above ground storage tanks as a result of the proposed action.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2

290 BROADWAY

NEW YORK, NY 10007-1866

April 22, 2020

Matt Accardi
Associate General Counsel
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery
25 Beaver Street, 5th floor, New York, NY 10004

Dear Mr. Accardi:

This letter is in response to your request on March 11, 2020 for the U.S. Environmental Protection Agency to review impacts to Sole Source Aquifers from five planned "Living with the Bay" Stormwater projects. The five projects under review are designed to respond to Hurricane Sandy's impacts in the northeast region of the United States by addressing flooding caused by rainfall, improving habitat and water quality, mitigating shoreline erosion, easing public access to the waterfront, increasing community connectivity, and providing opportunities for public education.

The five components are:

- Smith Pond Rehabilitation (45.5 Acres) - floodwall and floodgate installation, weir enhancements and replacement, greenway and pedestrian outlook enhancements and replacement, and invasive vegetation removal.
- Lister Park Improvement (5.1 Acres) - new parking lot drainage system discharging to a bioretention basin, improved landscaping, and asphalt with some shoreline stabilizations.
- East Rockaway High School (2.7 Acres) – near the school bulkhead, parking lot, drainage and roadway improvements, green infrastructure (rain garden and hydrodynamic separator) and a greenway installation using porous asphalt.
- East, West, North Boulevards Stormwater Drainage Improvements (10.6 Acres) - drainage improvements, roadway enhancements, installation of two bioretention basins, and two new bulkhead installations.
- Mill River Greenway (917.5 Acres) - A continuous greenway will be extended approximately 5.1 miles from Hempstead Lake State Park and Tanglewood Preserve to Bay Park and Hewlett Bay.

The public water supplier for the Town of Hempstead, which encompasses this project area, is New York American Water. The project will not use, store, or transport any hazardous or toxic materials.

Based on the information provided, it is anticipated that these five projects will not pose a significant threat to public health or ground water resources and complies with Section 1424(e) of the SDWA. Please be advised that meeting the requirements of 1424(e) does not preclude the need to meet National Environmental Policy Act (NEPA) requirements to address direct, indirect, and cumulative impacts. This review does not constitute a review under Section 309 of the Clean Air Act; EPA therefore reserves the right to review additional environmental documents on this project.

If you have any questions concerning this matter or would like additional information, please feel free to contact Michael Poetzsch at (212) 637-4147.

Sincerely yours,

Mark Austin, Team Leader
Environmental Review Team

cc: Charles J. Hillenbrand