APPENDIX U SOLE SOURCE AQUIFER CONSULTATION

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

November 12, 2019 *via email: poetzsch.michael@epa.gov*

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

Re: Sole Source Aquifer Analysis – CDBG-DR Funding Application
Long Beach Water Pollution Control Plant Consolidation Project, Nassau County New York

Dear Mr. Poetzsch:

The New York State Governor's Office of Storm Recovery ("GOSR") received a funding application from Nassau County for the proposed "Long Beach Water Pollution Control Plant (WPCP) Consolidation Project" located in Nassau County, New York (**see Attachment 1, Figure 1 and 2, Project Location Maps**). The Proposed Action is part of a transformative environmental and water quality initiative known as the Western Bays Resiliency Initiative, developed to improve water quality and enhance the natural resiliency functions of the surrounding bays and marshlands.

The Proposed Action would include the following components: (1) conversion of the Long Beach WPCP's headworks and influent pump to a diversion pump station; (2) installation of a 24-inch force main from the diversion pump station to the Bay Park Sewage Treatment Plant (STP); and (3) connection from the force main to the Bay Park STP's 64-inch influent header. Force main installation would require a combination of construction techniques, including traditional cut-and-cover methods that entail trenching (on the landside), as well as a trenchless method that utilizes horizontal direction drilling (HDD). The alignment would primarily be located within the existing easement of the Bay Park STP discharge outfall, which would remain in place.

The project site overlies the Nassau-Suffolk Sole Source Aquifer (**Attachment 1, Figure 3**). 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 SWAP Map (**Attachment 1, Figure 4**), Attachments 2.A *Non-Housing/Project Activity Initial Screen Criteria* **(Attachment 2)** to the MOU **Attachment 3** *SSA Preliminary Review Information Form*. 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 via telephone number (212) 480-6265 or email: Matt.Accardi@stormrecovery.ny.gov . Thank you for your consideration and cooperation.

Sincerely,

Associate General Counsel
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

cc: J. Houdek, Nassau County
R. Gilmour, Hazen-Arcadis

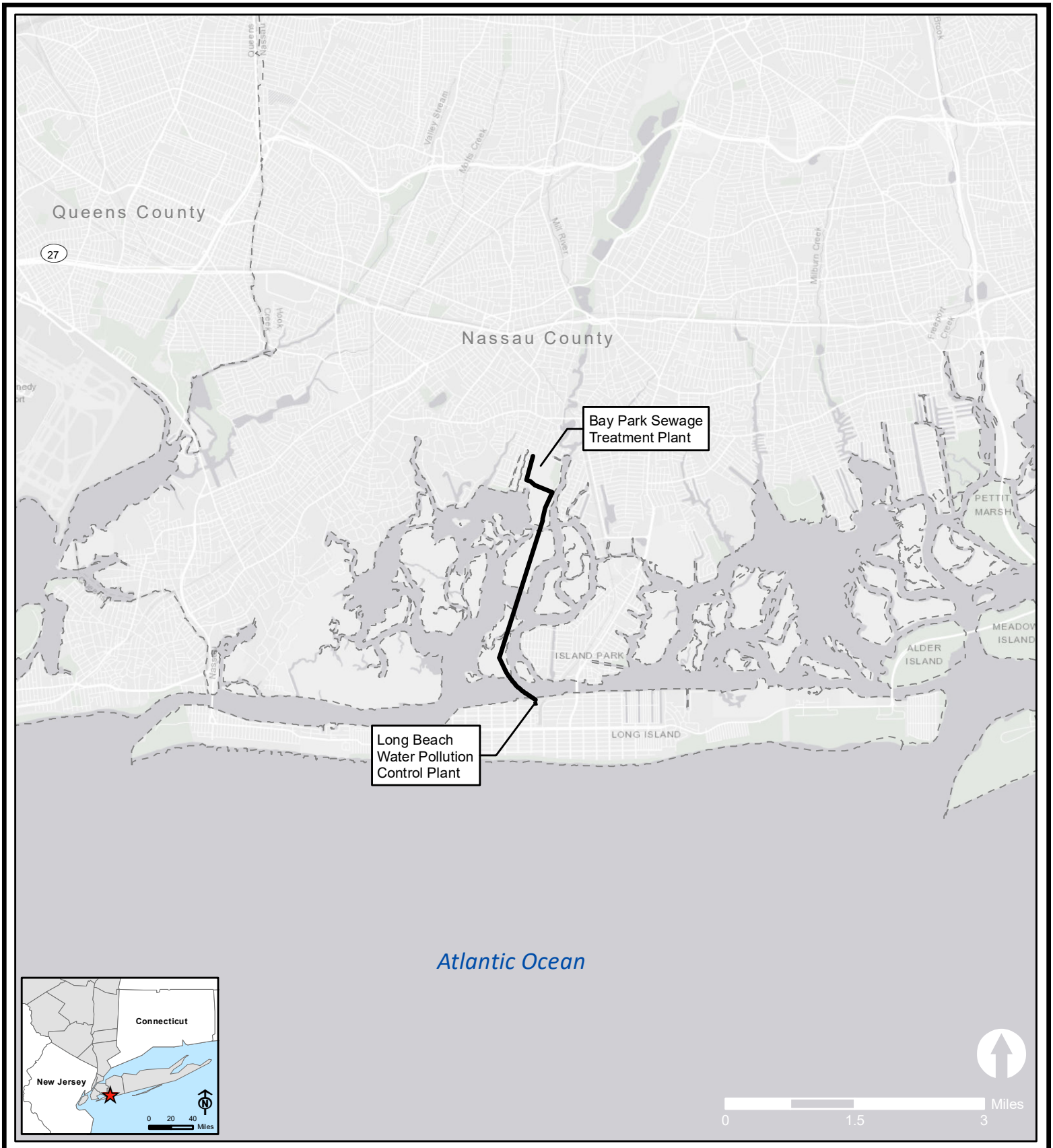
Enclosures:
Project Location Maps
Attachment 1: Project Location, SSA and SWAP Maps
Attachment 2: MOU Attachment 2a
Attachment 3: SSA Preliminary Review Information Form

ATTACHMENTS

ATTACHMENT 1

Project Location/

SWAP Maps



Proposed Alignment

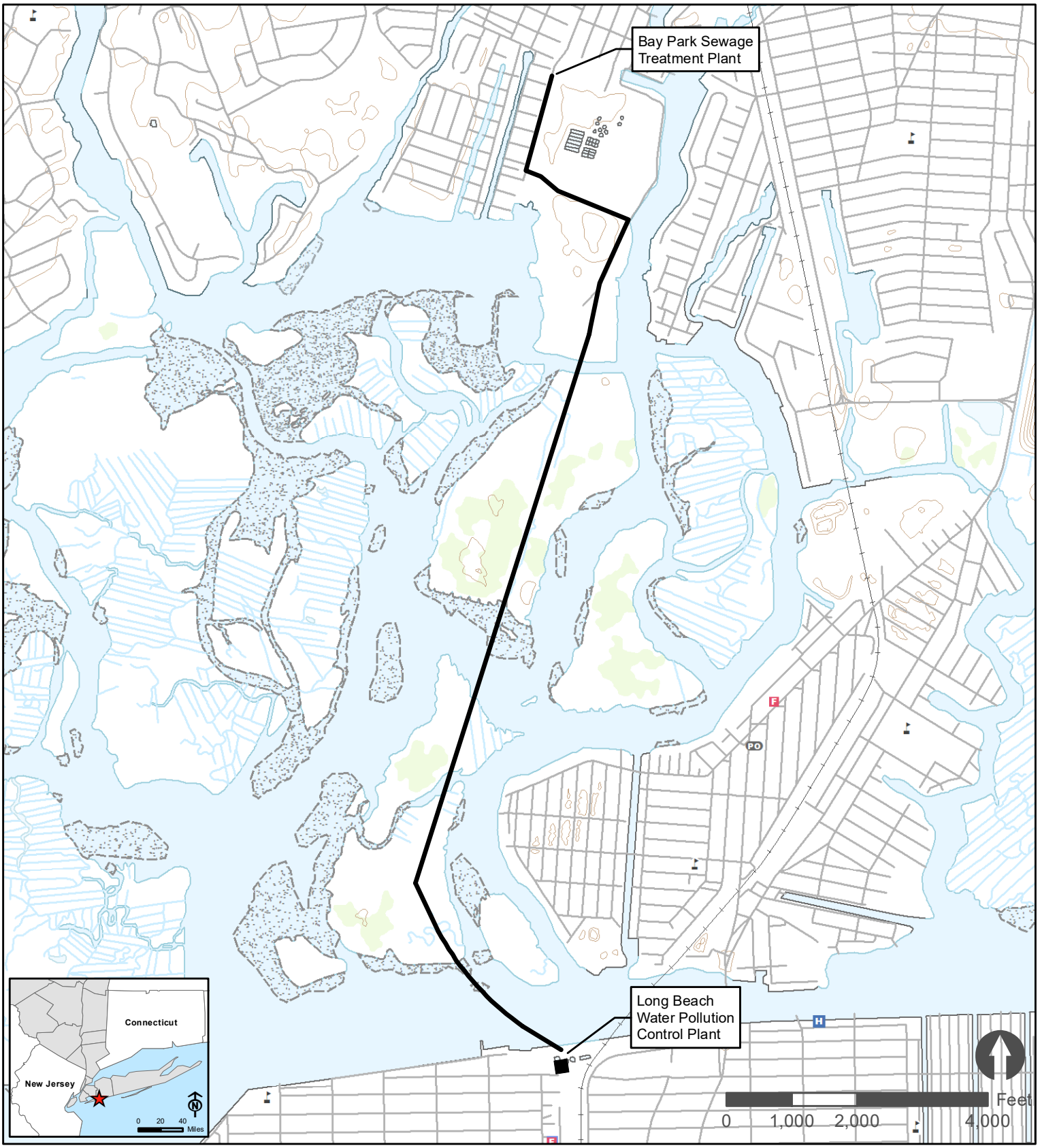
County Boundary

Figure 1

Regional Location

Long Beach WPCP
Consolidation Project

Source: ESRI World Light Gray Canvas Base



Proposed Alignment

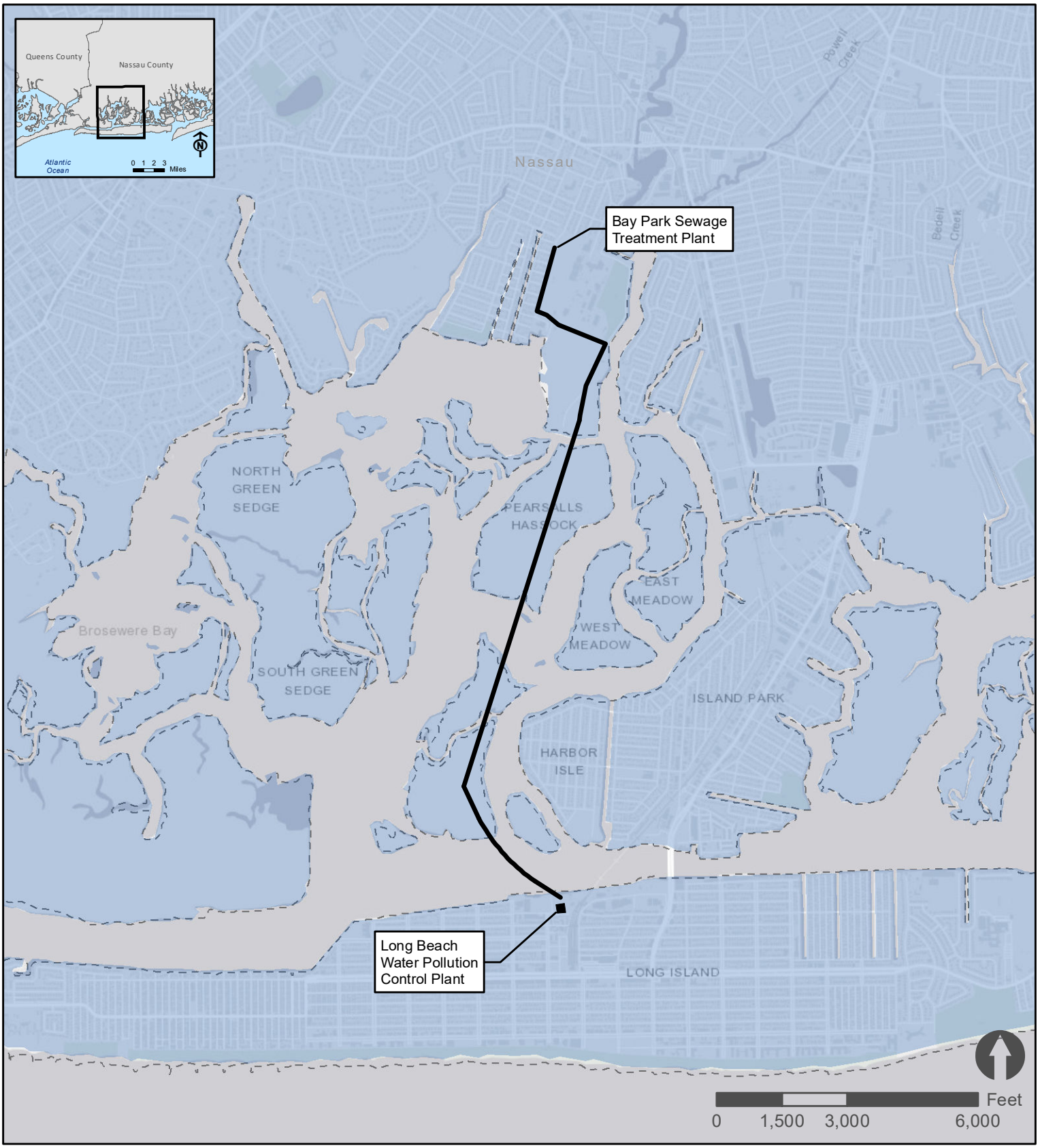
Long Beach Pollution Control Plant

Figure 2

Topographic Map

Long Beach WPCP Consolidation Project

Source: USGS The National Map 7.5 Minute Vector Topograpic Map



Proposed Alignment

Long Beach Pollution Control Plant

Nassau-Suffolk Sole-Source Aquifer (SSA)

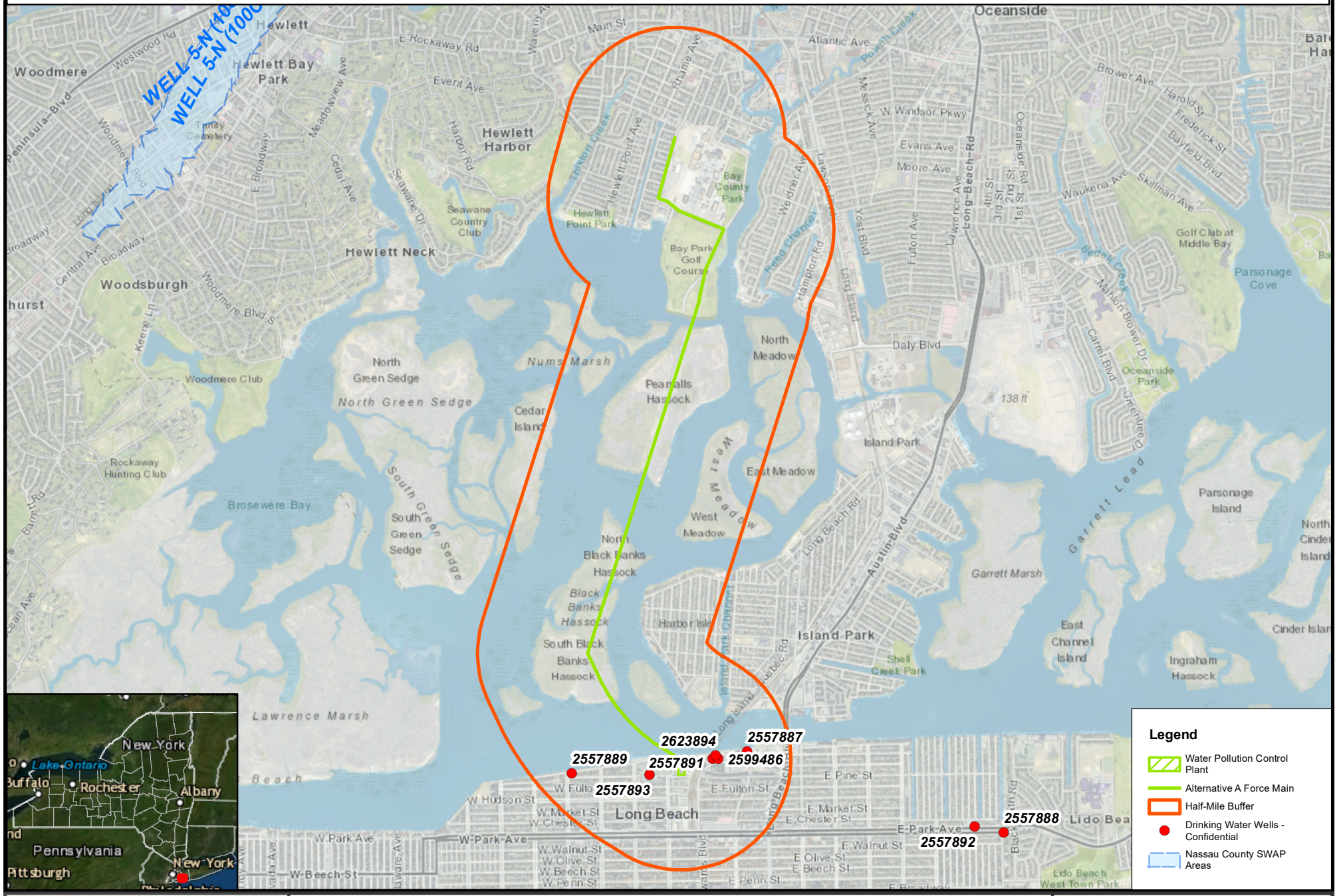
Figure 3

Sole Source Aquifer

Long Beach WPCP
Consolidation Project

Source: FEMA, ESRI World Light Gray Canvas Base

Sole Source Aquifer-SWAP Analysis Map



0 0.5 1 Miles

Long Beach Water Pollution Control Plant Consolidation

Nassau County, New York

Half-Mile Buffer SSA and SWAP Analysis

Governor's Office of Storm Recovery

Figure 4

N

Drawn By: ASL | Version: 1.0 | Date:11/4/2019

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ATTACHMENT 2

MOU Attachment 2.A

NON-HOUSING/PROJECT ACTIVITY

INITIAL SCREEN CRITERIA

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. (For housing projects/activities see Attachment 2.B). 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.]	☐	☒	☐
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.]	☒	☐	☐

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	☐	☒	☐
construction or expansion or closure of landfills	☐	☒	☐
construction or expansion of water supply facilities	☐	☒	☐
construction or expansion of on-site wastewater treatment plants or sewage trunk lines	☐	☒	☐
construction or expansion of gas or petroleum trunk lines greater than 1320 feet	☐	☒	☐
construction or expansion of railroad spurs or similar extensions	☐	☒	☐
construction or expansion of municipal sewage treatment plants	☒	☐	☐

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, CFM
Title:	Associate General Counsel Bureau of Environmental Review and Assessment Governor's Office of Storm Recovery
Address:	25 Beaver Street, 5th Floor New York, NY 10004
Telephone number:	(212) 480-6265
Date:	November 9, 2019

ATTACHMENT 3

SSA Preliminary Review Information 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.]	☒	☐
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.]	☐	☒

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.	☒	☐

III. Public Water Supply	**Enclosed?**	
	Yes	No
4. Provide a description of plans to provide water supply.	☐	☒

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.	☒	☐

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.	☒	☐
7. Provide a description of plans to handle storm water runoff.	☒	☐
8. Identify the location, design, size of any on-site recharge basins, dry wells, leaching fields, retention ponds, etc.	☐	☒

V. Use, Storage, Transport of Hazardous or Toxic Materials *(Applies only to non-housing projects/activities)*	**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	☐	☒
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.	☒	☐
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	☒	☐

This attachment was completed by:

Name:	Matt Accardi, CFM
Title:	Associate General Counsel Bureau of Environmental Review and Assessment Governor's Office of Storm Recovery
Address:	25 Beaver Street, 5th Floor New York, NY 10004
Telephone number:	(212) 480-6265
Date:	November 9, 2019

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 alignment of the Proposed Project area begins at the existing Long Beach Water Pollution Control Plant (WPCP) and extends northwest to South Black Banks Hassock. The alignment then turns north and extends through North Black Banks and Pearsall's Hassocks until it reaches Bay Park. The alignment runs parallel and north along Marjorie Lane and turns left (west) extending parallel to Harbor Road where it terminates at the Bay Park Sewage Treatment Plant (STP) in East Rockaway (see **Attached Project Location Maps, Figure 1 and Figure 2**). The alignment would be primarily located within the existing easement for the existing Bay Park STP discharge outfall, which would remain in place.

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 site overlies the Nassau-Suffolk Sole Source Aquifer (**Figure 3**). No Special Ground Water Protection, Critical Supply nor Wellhead Protection Areas are located near the project site.

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 is part of a transformative environmental and water quality initiative known as the Western Bays Resiliency Initiative, developed to improve water quality and enhance the natural resiliency functions of the surrounding bays and marshlands. The Proposed Project would include the following components: (1) conversion of the Long Beach WPCP's headworks and influent pump to a diversion pump station; (2) installation of a 24-inch force main from the diversion pump station to the Bay Park STP; and (3) connection from the force main to the Bay Park STP's 64-inch influent header. Force main installation would require a combination of construction techniques, including traditional cut-and-cover methods that entail trenching (on the landside), as well as a trenchless method that utilizes horizontal direction drilling (HDD). The alignment would be primarily located within the existing easement held by Nassau County for the existing Bay Park STP discharge outfall, which would remain in place. The easement is within property owned by the Town of Hempstead.

III. Public Water Supply

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

Water service is not required as part of the proposed project.

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 following six wells are located within ½ mile of the project site(s) in the City of Long Beach. See attached SWAP Map.

2557893 System Name: Long Bch System ID: NY2902834 Facility Name: Well 12	2557891 System Name: Long Bch System ID: NY2902834 Facility Name: Well 16	2599486 System Name: Long Bch System ID: NY2902834 Facility Name: Well 17
2623894 System Name: Long Bch System ID: NY2902834 Facility Name: Well 18	2557887 System Name: Long Bch System ID: NY2902834 Facility Name: Well 13	2557892 System Name: Long Bch System ID: NY2902834 Facility Name: Well 11

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 Project involves the elimination of the antiquated Long Beach WPCP and connecting the existing system to Nassau County's newly rebuilt Bay Park STP in East Rockaway for enhanced treatment.

7. Provide a description of plans to handle storm water runoff.

Stormwater runoff is expected to be minimal since the majority of work would not involve significant increases to impervious surfaces. Force main installation would utilize a combination of construction techniques, including traditional cut-and-cover methods that entail trenching (on the landside), as well as a trenchless method that utilizes horizontal direction drilling. In areas where the work will include trenching, proper erosion and sedimentation control would be utilized.

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

No recharge basins, dry wells, leaching fields, or retention ponds are included in the Proposed Project.

V. Use, Storage, Transport of Hazardous or Toxic Materials (Applies only to non-housing projects/activities)

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.

No hazardous constituents will be used, stored, transported or released as a result of the proposed project.

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.

Long Beach WPCP, 1 West Chester Street, Chemical Bulk Storage: (Site No.: 1-000151). Tank Info unavailable (above or below ground unknown).

Bay Park Sewer Treatment Plant, 2 Marjorie Lane, Chemical Bulk Storage (Site No.: 1-000236). Tank Info unavailable (above or below ground unknown).

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.**

    See above #10 response.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

December 16, 2019

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 is in response to your November 12, 2019 request for a Sole Source Aquifer review of the proposal to pump sewage previously treated at the Long Beach Sewage Treatment Plant (STP) to the Bay Park STP and from there to the Cedar Creek STP in Wantagh, NY. The project will be receiving Housing and Urban Development (HUD) Community Development Block Grant - Disaster Recovery (CDBG-DR) Program funding. The project site is located above the Long Island Nassau/Suffolk Aquifer System, designated by EPA as a Sole Source Aquifer on June 21, 1978 (citation 43 FR 26611), and our review has therefore been conducted in accordance with Section 1424(e) of the Safe Drinking Water Act (SDWA).

Both the Long Beach and the Bay Park STPs currently discharge to Reynolds Canal, which has been suffering the environmental consequences of a heavy nutrient load in recent years. The project is intended to divert treated sewage away from the Canal and after completion of the Cedar Creek STP upgrade, to a regulated Atlantic Ocean outfall. The Bay Park facility treats approximately 60 mgd while the Long Beach STP treats 5 mgd. The two facilities currently discharge at points separated by about 2/3 of a mile, with Bay Park STP discharging on the north side of the Canal and the Long Beach STP on the south side.

The first stage of this multi-year project is to build a pump station at the Long Beach STP that would send untreated effluent to the Bay Park STP, where improvements are now underway, including nitrogen-reduction and de-ammonification. Prior to the proposed construction, the Bay Park STP would be equipped with these proven wastewater treatment technologies, as well as hardened against a 500-year flood event. Therefore, the Bay Park STP would be more resilient and better able to insure good water quality than the Long Beach STP.

The effluent from the Long Beach STP would be carried to the Bay Park facility through new, 24-inch diameter piping consisting of high-density polyethylene (HDPE) and steel. The existing pipe from the Bay Park STP to the Reynolds Canal would be left in place for emergencies and to handle diluted effluent during severe wet weather events that would exceed Bay Park's maximum capacity of 75 mgd. The sewage pumps at the new Long Beach pump station would consist of two pairs—one pair for peak flows (one operating pump and one standby) and another pair for low flows (again, one operating pump and one standby). The peak-flow and low-flow pumps would not operate simultaneously. The pumps would be powered by a 670-kW generator fueled by diesel stored in a tank that is an integral part of the generator base.

Contractors must take special care to ensure the integrity of the joints between pipe segments and to ensure that the piping would not be subject to potentially crushing loads, for example, from vehicular traffic as piping from the Long Beach pump station would be carrying untreated sewage to the Bay Park STP. The Long Beach pump station fuel tank design should include adequate secondary containment, leak detection and an overfill alarm.

Provided contractors take special care to ensure construction integrity as noted above and based on the information provided, it is anticipated that the first stage of this proposed long-term project 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: Stephen Gould

Governor's Office of
Storm Recovery

ANDREW M. CUOMO
Governor

July 20, 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
Long Beach Water Pollution Control Plant Consolidation Project, Nassau County New York

Dear Mr. Poetzsch:

The New York State Governor's Office of Storm Recovery (GOSR) is submitting an updated project description for the proposed "Long Beach Water Pollution Control Plant (WPCP) Consolidation Project; which was originally submitted to your office on November 11, 2019. The scope of work for the Proposed Action has been expanded to incorporate the hardening of the City of Long Beach's three satellite pump station facilities.[1]

GOSR received a funding application from Nassau County for the Proposed Action, which is located in Nassau County, New York (**see Attachment 1, Figure 1 and 2, Project Location Maps**). The Proposed Action is part of a transformative environmental and water quality initiative known as the Western Bays Resiliency Initiative, developed to improve water quality and enhance the natural resiliency functions of the surrounding bays and marshlands.

The Proposed Action would include the following components: (1) conversion of the Long Beach WPCP's headworks and influent pump to a resilient diversion pump station; (2) installation of a 24-inch force main within a 32-inch-diameter steel casing, from the diversion pump station to the Bay Park Sewage Treatment Plant (STP); (3) connection from the force main to the Bay Park STP's 64-inch influent header;[2] and (4) hardening of the three satellite pump stations though a combination of elevation and floodproofing actions. Force main installation would require a combination of construction techniques, including traditional cut-and-cover methods that entail trenching (on the landside), as well as a trenchless method that utilizes

[1] The satellite pump station facilities are located along Park Avenue at Indiana Avenue, New York Avenue and Roosevelt Boulevard.
[2] The proposed force main would intercept the existing 66-inch reinforced concrete sanitary sewer pipe located west of the Bay Park STP, and the existing pipe would then carry the flow into the STP for treatment.

horizontal direction drilling (HDD). The alignment would primarily be located within the existing easement of the Bay Park STP discharge outfall, which would remain in place.

The project site overlies the Nassau-Suffolk Sole Source Aquifer (**Attachment 1, Figure 3**). 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.

The purpose of this letter is to inform the EPA of the updated description of the Proposed Action and its continued determination that it would not adversely affect the SSA, as supported by the attached updated documentation, including SWAP Map **(Attachment 1, Figure 4)**, Attachments 2.A *Non-Housing/Project Activity Initial Screen Criteria* of the MOU **(Attachment 2)**, and *SSA Preliminary Review Information Form* **(Attachment 3)**. This determination is intended to apply for the federal action by GOSR as the responsible entity under the National Environmental Policy Act and the subsequent federal action anticipated by the United States Army Corps of Engineers in the issuance of a permit pursuant to the Clean Water Act, as well as any future federal action regarding funding for the undertaking.

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

Sincerely,

Associate General Counsel
Bureau of Environmental Review and Assessment
Governor's Office of Storm Recovery

cc: Jane Houdek, Nassau County
Richard Gilmour, Hazen-Arcadis

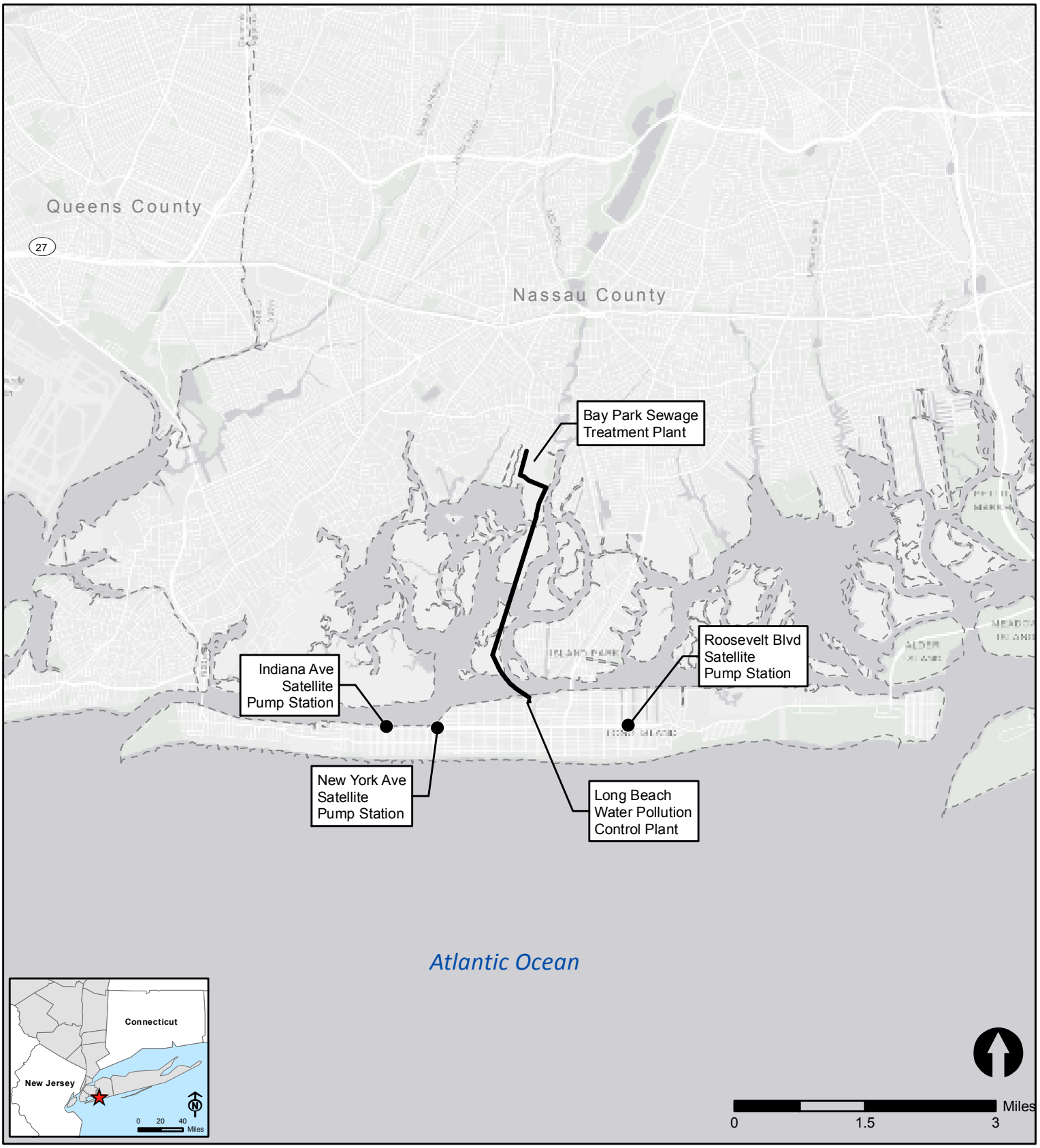
Enclosures:
Attachment 1: Project Location, SSA and SWAP Maps
Attachment 2: MOU Attachment 2a
Attachment 3: SSA Preliminary Review Information Form

ATTACHMENTS

ATTACHMENT 1

Project Location/

SWAP Maps

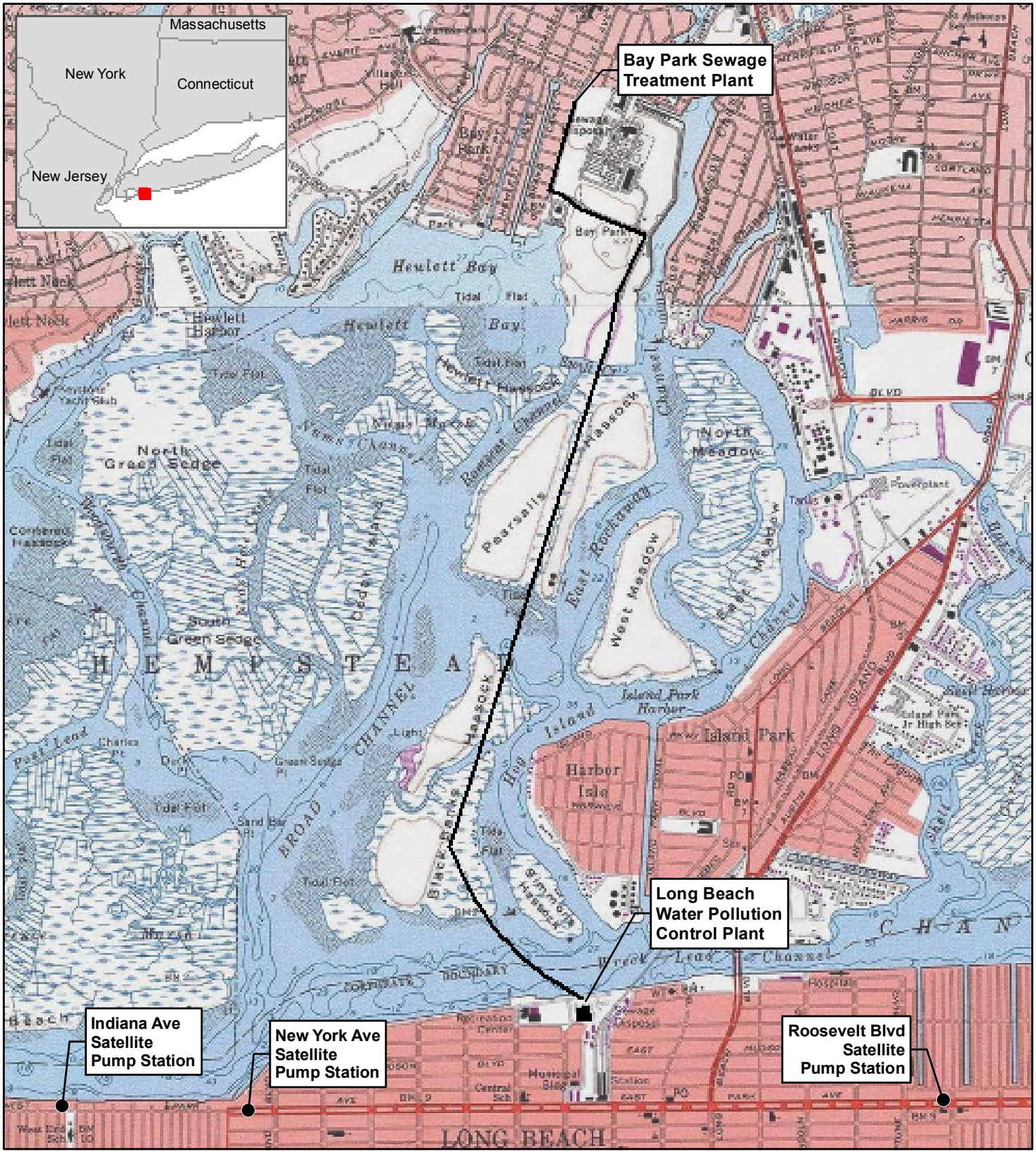


Proposed Alignment
County Boundary
Satellite Pump Station

Figure 1
Regional Location

Long Beach WPCP
Consolidation Project

Source: ESRI World Light Gray Canvas Base



Proposed Alignment

Long Beach Pollution Control Plant

Satellite Pump Station

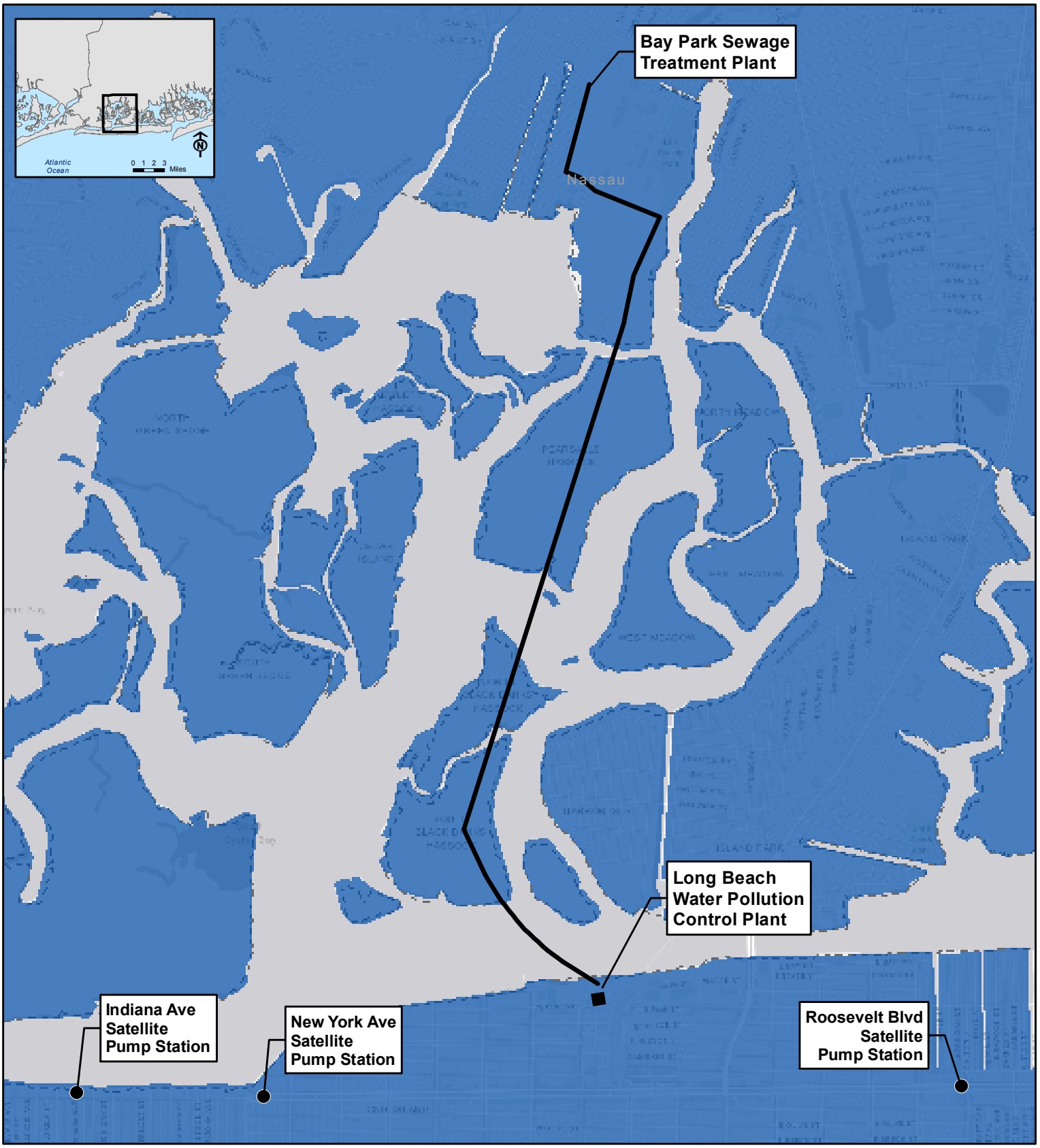
Figure 2

Topographic Map

Long Beach WPCP
Consolidation Project

Miles
0 0.25 0.5

Sources: ESRI USGS Topographic Map Service.
Site is located within the Lynbrook and Lawrence, NY USGS quadrangles.



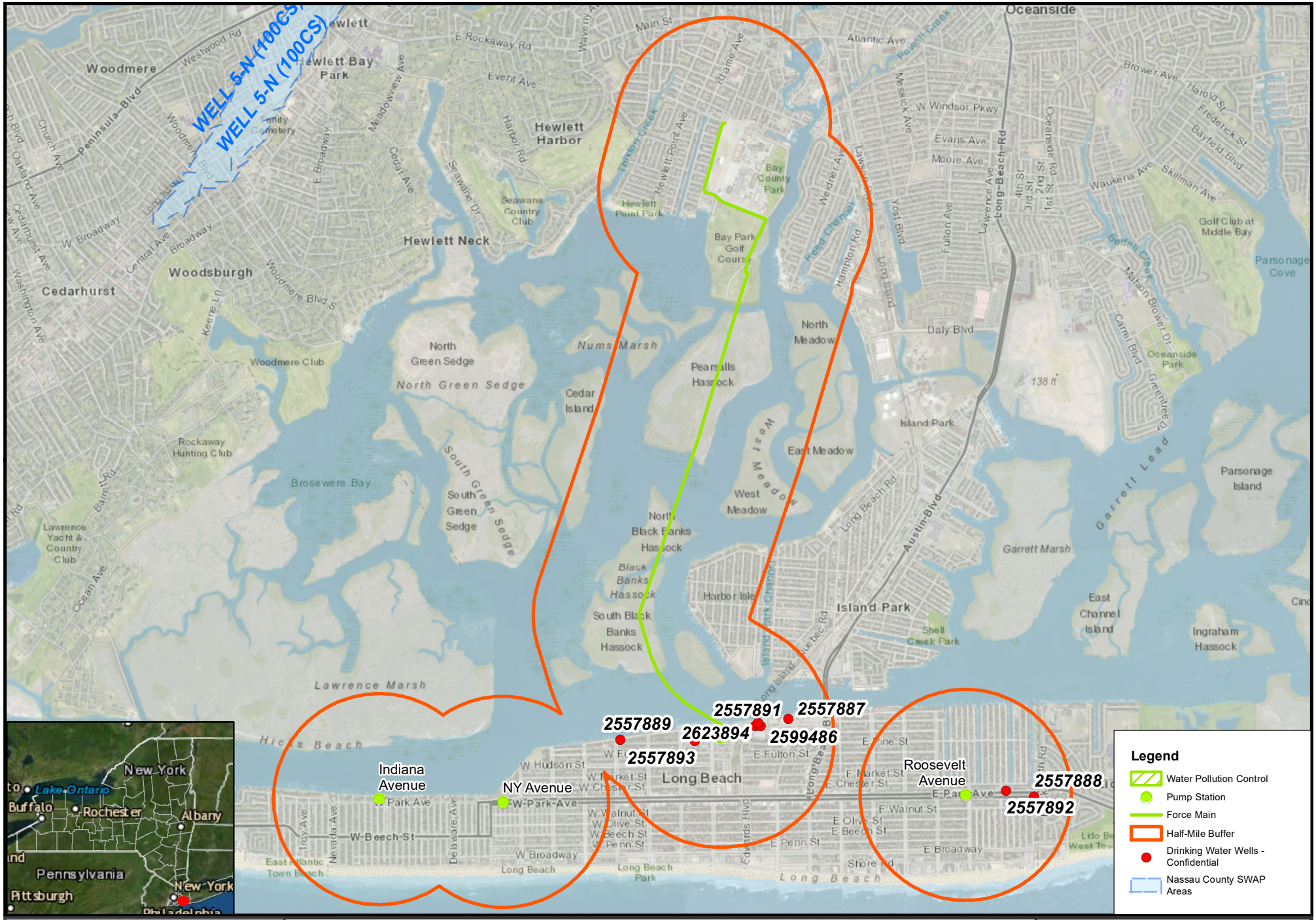
Proposed Alignment
Long Beach Pollution Control Plant
Satellite Pump Station
Nassau-Suffolk Sole-Source Aquifer (SSA)

Figure 3
Sole Source Aquifer

Long Beach WPCP Consolidation Project

Source: FEMA, ESRI World Light Gray Canvas Base

Miles
0 0.25 0.5



0 0.5 1 Mi

Long Beach Water Pollution Control Plant Consolidation

Nassau County, New York

Half-Mile Buffer SSA and SWAP Analysis

Governor's Office of Storm Recovery

Figure 4

N

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ATTACHMENT 2

MOU Attachment 2.A

NON-HOUSING/PROJECT ACTIVITY

INITIAL SCREEN CRITERIA

ATTACHMENT 3

SSA Preliminary Review Information Form

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. (For housing projects/activities see Attachment 2.B) 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.]	☐	☒	☐
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.]	☒	☐	☐

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	☐	☒	☐
construction or expansion or closure of landfills	☐	☒	☐
construction or expansion of water supply facilities	☐	☒	☐
construction or expansion of on-site wastewater treatment plants or sewage trunk lines	☒	☐	☐
construction or expansion of gas or petroleum trunk lines greater than 1320 feet	☐	☒	☐
construction or expansion of railroad spurs or similar extensions	☐	☒	☐
construction or expansion of municipal sewage treatment plants	☒	☐	☐

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, CFM
Title:	Associate General Counsel Bureau of Environmental Review and Assessment Governor's Office of Storm Recovery
Address:	25 Beaver Street, 5th Floor New York, NY 10004
Telephone number:	(212) 480-6265
Date:	July 20, 2020

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.]	☒	☐
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.]	☐	☒

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.	☒	☐

III. Public Water Supply	**Enclosed?**	
	Yes	No
4. Provide a description of plans to provide water supply.	☐	☒

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.	☒	☐

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.	☒	☐
7. Provide a description of plans to handle storm water runoff.	☒	☐
8. Identify the location, design, size of any on-site recharge basins, dry wells, leaching fields, retention ponds, etc.	☐	☒

V. Use, Storage, Transport of Hazardous or Toxic Materials *(Applies only to non-housing projects/activities)*	**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	☐	☒
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.	☒	☐
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	☒	☐

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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 alignment of the proposed force main begins at the existing Long Beach Water Pollution Control Plant (WPCP) and extends northwest to South Black Banks Hassock. The alignment then turns north and extends through North Black Banks and Pearsall's Hassocks until it reaches Bay Park. The alignment runs parallel and north along Marjorie Lane and turns left (west) extending parallel to Harbor Road where it terminates at the Bay Park Sewage Treatment Plant (STP) in East Rockaway (see **Attached Project Location Maps, Figure 1 and Figure 2**). The force main alignment would be primarily located within the existing easement for the existing Bay Park STP discharge outfall, which would remain in place.

The Proposed Project also includes the hardening of the City of Long Beach's three satellite pump station facilities which are located along Park Avenue at Indiana Avenue, New York Avenue and Roosevelt Boulevard.

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 site overlies the Nassau-Suffolk Sole Source Aquifer (**Figure 3**). No Special Ground Water Protection, Critical Supply nor Wellhead Protection Areas are located near the project site.

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 is part of a transformative environmental and water quality initiative known as the Western Bays Resiliency Initiative, developed to improve water quality and enhance the natural resiliency functions of the surrounding bays and marshlands. The Proposed Project would include the following components: (1) conversion of the Long Beach WPCP's headworks and influent pump to a resilient diversion pump station; (2) installation of a 24-inch force main within a 32-inch-diameter steel casing, from the diversion pump station to the Bay Park STP; (3) connection from the force main to the Bay Park STP's 64-inch influent header; and (4) hardening of the three satellite pump stations though a combination of elevation and floodproofing actions. Force main installation would require a combination of construction techniques, including traditional cut-and-cover methods that entail trenching (on the landside), as well as a trenchless method that utilizes horizontal direction drilling (HDD). The alignment would be primarily located within the existing easement held by Nassau County for the existing Bay Park STP discharge outfall, which would remain in place. The easement is within property owned by the Town of Hempstead.

III. Public Water Supply

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

Water service is not required as part of the Proposed Project.

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 following eight wells are located within ½ mile of the project site(s) in the City of Long Beach. See attached SWAP Map.

2557887
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 9

2557888
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 11

2557889
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 12

2557891
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 13

2557892
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 15

2557893
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 16

2599486
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 17

2623894
System Name: Long Bch
System ID: NY2902834
Facility Name: Well 18

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 Project involves the elimination of the antiquated Long Beach WPCP and connecting the existing system to Nassau County's newly rebuilt Bay Park STP in East Rockaway for enhanced treatment.

7. Provide a description of plans to handle storm water runoff.

Stormwater runoff is expected to be minimal since the majority of work would not involve significant increases to impervious surfaces. Force main installation would utilize a combination of construction techniques, including traditional cut-and-cover methods that entail trenching (on the landside), as well as a trenchless method that utilizes horizontal direction drilling. In areas where the work will include trenching, proper erosion and sedimentation control would be utilized.

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

No recharge basins, dry wells, leaching fields, or retention ponds are included in the Proposed Project.

V. Use, Storage, Transport of Hazardous or Toxic Materials (Applies only to non-housing projects/activities)

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.

No hazardous constituents will be used, stored, transported or released as a result of the Proposed Project.

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.

Long Beach WPCP, 1 West Chester Street, Chemical Bulk Storage: (Site No.: 1-000151). Tank Info unavailable (above or below ground unknown).

Bay Park Sewer Treatment Plant, 2 Marjorie Lane, Chemical Bulk Storage (Site No.: 1-000236). Tank Info unavailable (above or below ground unknown).

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.

See above #10 response.