WATER AUTHORITY OF GREAT NECK NORTH

STORM MITIGATION IMPROVEMENTS PROJECT

SEQR FULL ENVIRONMENTAL ASSESSMENT FORM SUBMITTAL

CONSERVATION
EDUCATION
ENFORCEMENT
RATES

November 2014

PART 1

PROJECT AND SETTING

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: Water Authority of Great Neck North Storm Mitigation Improvements Project		
Project Location (describe, and attach a general location map): See Attachment for Details: Supply Wells on Watermill Ln,Weybridge Rd&Ravine Rd,Great Neck; Old Mill Rd,Saddle Rock; Juniper Dr,Great Neck Estates		
Brief Description of Proposed Action (include purpose or need): In recent years, two hurricanes (Irene and Sandy), a microburst (in June 2010) and a number of Nor'easters have caused flooding and prolonged power outages throughout the entire Great Neck peninsula. Water Authority of Great Neck North (WAGNN) had difficulty meeting the water supply demands in its service area as a result of these storms. WAGNN proposes to elevate public water supply wellheads at Wells 2A, 5, 6, 8 and 11A; install standby emergency generators at Wells 6 and 10A; and purchase a portable emergency generator. Elevating wellheads to minimize the potential for flooding/supply well contamination, installing emergency backup power generators, and having a portable generator is paramount to providing proper water pressure and firefighting capabilities throughout the entire WAGNN service area. In the interest of maintaining an uninterrupted water supply to its customers and ensuring adequate fire flow during severe storm and emergency situations, WAGNN proposes to implement the storm mitigation improvements project. Additional project information is presented in the Attachment (Section F: Additional Information).		
Name of Applicant/Sponsor: Water Authority of Great Neck North (Gregory C. Graziano, Superintendent)	Telephone: 516-487-7973 E-Mail: ggraziano@wagnn.org	
Address: 50 Watermill Lane		
City/PO: Great Neck	State: New York	Zip Code: 11021
Project Contact (if not same as sponsor; give name and title/role): Stephen M. Moriarty, P.E., Assistant Superintendent	Telephone: 516-487-7973 E-Mail: smoriarty@wagnn.org	
Address: Water Authority of Great Neck North, 50 Watermill Lane		
City/PO: Great Neck	State: New York	Zip Code: 11021
Property Owner (if not same as sponsor): Water Authority of Great Neck North	Telephone: 516-487-7973 E-Mail: N/A	
Address: 50 Watermill Lane		
City/PO: Great Neck	State: New York	Zip Code: 11021

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☐Yes ☑No		
c. City Council, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	Nassau County Dept. of Health Water Supply Division Project Approvals	approvals shall be obtained in step with project design before construction begins
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	See Attachment	See Attachment
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☑Yes ☐No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☐Yes ☑No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

NYS Heritage Areas:LI North Shore Heritage Area, Remediaton Sites:130072, Remediaton Sites:V00395

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?

Well 2A and Well 11A: Town of North Hempstead Zones I-B and R-C; Well 8 and Well 10A: Inc. Village of Great Neck Zone Residence B-1; Well 5: Inc. Village of Saddle Rock zoned for business/commercial use; Well 6: Inc. Village of Great Neck Estates zoned for business/commercial use

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☑ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Great Neck School District (District 7)

b. What police or other public protection forces serve the project site?

Nassau County Police Dept., Great Neck Estates Police Dept.

c. Which fire protection and emergency medical services serve the project site?

Nassau County EMS, Great Neck Alert Fire Co., Great Neck Vigilant Engine Hook & Ladder Co., Manhasset-Lakeville Volunteer Fire Dept.

d. What parks serve the project site?

The Great Neck Parks District operates parks and recreation facilities in the project area, and other parks are maintained by local municipalities. The proposed project involves upgrades to existing water supply facilities and will not impact area parks.

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Storm mitigation upgrades to existing public water supply well facilities to be performed on property owned and operated by WAGNN. Project does not involve any property acquisition or expansion of facilities.

b. a. Total acreage of the site of the proposed action? 9.6 acres
b. Total acreage to be physically disturbed? less than 1 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 9.6 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated 7
- Anticipated commencement date of phase 1 (including demolition) 5 month 2013 year
- Anticipated completion date of final phase 7 month 2018 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

The Well 10A project was awarded in May 2013 and work at this location is expected to be completed in December 2014. Refer to the Attachment for details on the preliminary schedule for the remaining phases of the project.

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☑ Yes ☐ No

If Yes,

i. Total number of structures 6

ii. Dimensions (in feet) of largest proposed structure: 18 height; 20 width; and 30 length

iii. Approximate extent of building space to be heated or cooled: entire interior space square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☑ No

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No

If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No

If Yes, describe: _____

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☐ Yes ☑ No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☐ No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

vi. If water supply will be from wells (public or private), maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐ Yes ☑ No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

_____

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☐ No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

- Do existing sewer lines serve the project site? ☐Yes ☐No
- Will line extension within an existing district be necessary to serve the project? ☐Yes ☐No

  If Yes:
  - Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☐No

If Yes:
- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

_____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☐Yes ☑No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

_____

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐Yes ☐No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

_____

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

See Attachment

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

_____

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

_____

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 8 AM - 4 PM
- Saturday: NA
- Sunday: NA
- Holidays: NA

ii. During Operations:

- Monday - Friday: Supply Well,Continuous Operation
- Saturday: Supply Well,Continuous Operation
- Sunday: Supply Well,Continuous Operation
- Holidays: Supply Well,Continuous Operation

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Noise exceeding ambient levels will occur on a temporary basis during the project construction phase. New stand-by generators at Well 6 and Well 10A will be located inside enclosures which will minimize ambient noise impacts during generator operation in response to emergency power outages.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n.. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

This project will not change existing outdoor lighting at any of the supply well facilities which is in place for site security purposes and is compatible with surrounding land uses.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☑ Yes ☐ No

If Yes:

i. Product(s) to be stored chlorine and caustic soda (storage depends on supply well facility)

ii. Volume(s) ____varies per unit time _____varies (e.g., month, year)

iii. Generally describe proposed storage facilities: _____

Existing bulk storage of chlorine and caustic soda is in compliance with NYSDEC regulations; no anticipated change in storage associated with project.

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

_____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☑ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

The WAGNN supply well facilities (Wells 2A, 5, 6, 8, 10A and 11A) are public utilities located within WAGNN's service area and have been in operation for many years. Land use in the vicinity of Wells 2A and 11A is industrial/commercial. Land use in the vicinity of Wells 5, 6, 8 and 10A is residential.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	< 1 acre total, see attachment	< 1 acre total	no change
• Forested	0	0	no change
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	approx. 8.6 acres	approx. 8.6 acres	no change
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	no change
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	no change
• Wetlands (freshwater or tidal)	< 0.5 acre total, see attachment	< 0.5 acre total	no change
• Non-vegetated (bare rock, earth or fill)	0	0	no change
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☑ Yes ☐ No

If Yes,

i. Identify Facilities:

Saddle Rock Elementary School and Temple Israel School are located within a 1500 foot radius of the Well 5 facility. Baker Hill Elementary School is located within a 1500 foot radius of the Well 6 facility. These schools will not be impacted by the proposed project.

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☑ Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☑ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☑ Yes – Environmental Site Remediation database — Provide DEC ID number(s): 130072, V00395

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

The WAGNN supply well facilities included in the proposed project (Well 2A, 5, 6, 8, 10A and 11A) have not been the subject of RCRA corrective measures.

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): 130070, 130072, V00522, 130068, V00396, C130192...

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

See Attachment for information on the status of the NYSDEC listed sites.

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? approx. 400 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site: sand and gravel 100 %
_____ _____ %
_____ _____ %

d. What is the average depth to the water table on the project site? Average: 10 feet

e. Drainage status of project site soils:
☐ Well Drained: _____% of site
☑ Moderately Well Drained: 100 % of site
☐ Poorly Drained _____% of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 90 % of site
☐ 10-15%: _____% of site
☑ 15% or greater: 10 % of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 885-8 Classification C
- Lakes or Ponds: Name 885-9 Classification SC
- Wetlands: Name Federal Waters, Federal Waters, Tidal Wetlands,... Approximate Size less than 0.5 acre
- Wetland No. (if regulated by DEC) unknown

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☑ Yes ☐ No

j. Is the project site in the 100 year Floodplain? ☑ Yes ☐ No

k. Is the project site in the 500 year Floodplain? ☑ Yes ☐ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑ Yes ☐ No
If Yes:

i. Name of aquifer: Sole Source Aquifer Names:Nassau-Suffolk SSA

m. Identify the predominant wildlife species that occupy or use the project site:

American Robin, Canada Goose, Wood Frog
Blue Jay, Mourning Dove, Northern Long-Eared Bat
Broad Winged Hawk, Mallard

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? ☑ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

ii. Name: Saddle Rock Grist Mill, US Post Office--Great Neck, Grace and Thomaston Buildings

iii. Brief description of attributes on which listing is based:

Age and historical nature of structures

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☑ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

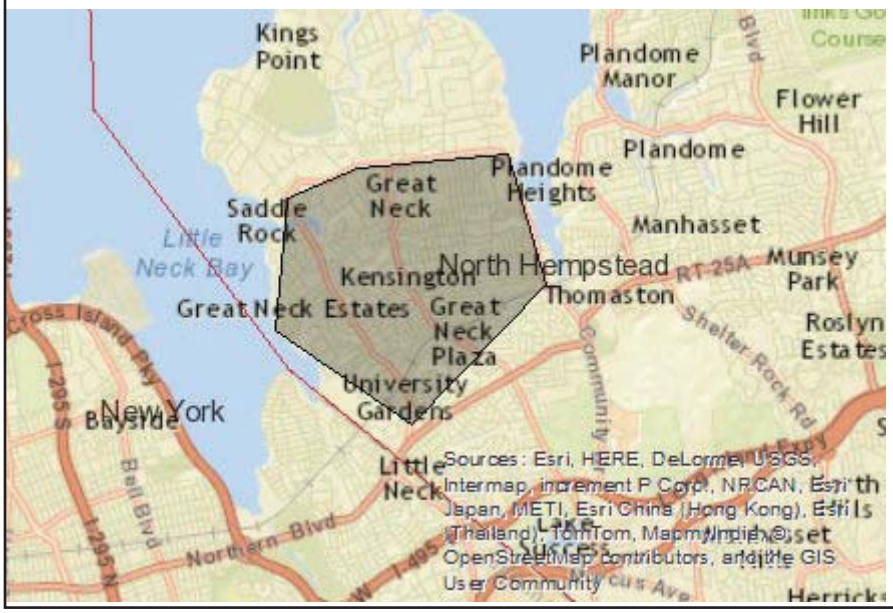
G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Gregory Graziano Date 11/17/14

Signature  Title Superintendent, Water Authority of Great Neck North

PRINT FORM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

B.i.i [Coastal or Waterfront Area]	Yes
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYS Heritage Areas:LI North Shore Heritage Area, Remediaton Sites:130072, Remediaton Sites:V00395
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	130072, V00395
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	130070, 130072, V00522, 130068, V00396, C130192, V00395
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	885-8
E.2.h.iv [Surface Water Features - Stream Classification]	C

E.2.h.iv [Surface Water Features - Lake/Pond Name]	885-9
E.2.h.iv [Surface Water Features - Lake/Pond Classification]	SC
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, Tidal Wetlands
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Yes
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	Yes
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Sole Source Aquifer Names:Nassau-Suffolk SSA
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National Register of Historic Places - Name]	Saddle Rock Grist Mill, US Post Office--Great Neck, Grace and Thomaston Buildings
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

WATER AUTHORITY OF GREAT NECK NORTH
STORM MITIGATION IMPROVEMENTS PROJECT

ATTACHMENT TO FULL ENVIRONMENTAL ASSESSMENT FORM PART I

SECTION F. ADDITIONAL INFORMATION

This attachment provides additional information to supplement the responses indicated on the Full Environmental Assessment Form for this project. The information relates to the specific item numbers noted below.

Section A. Project and Sponsor Information: "Project Location"

The Water Authority of Great Neck North (WAGNN) provides public potable water supply to the northern area of the Great Neck Peninsula, which encompasses the villages of Great Neck, Great Neck Estates, Kensington, Kings Point, Saddle Rock, portions of Great Neck Plaza and Thomaston, and the unincorporated areas of the Town of North Hempstead. WAGNN's service area, located in the extreme northwest corner of Nassau County on the Great Neck peninsula, covers approximately 7.5 square miles as shown on Figure 1.

The table below provides the street names and municipalities of the supply wells included in the storm mitigation improvements project to be implemented using Storm Mitigation Loan Program (SMLP) funding to be awarded by the NYS Department of Health. Figures 2 through 6 (cropped sections of FEMA flood maps) show the general locations of these supply wells, with the street names highlighted. Due to post-9/11 security concerns, WAGNN does not show precise well locations on maps or figures prepared for submittals, and enforces strict procedures for chemical deliveries and access to its well facilities in order to protect the water supply system against threats. Additional information on the WAGNN wells and facilities will be provided upon request.

Well ID	Street Name	Municipality
Well 2A* Well 11A*	Watermill Lane	Great Neck, Unincorporated area of Town of North Hempstead
Well 5	Old Mill Road	Incorporated Village of Saddle Rock
Well 6	Juniper Drive	Incorporated Village of Great Neck Estates
Well 8	Weybridge Road	Incorporated Village of Great Neck
Well 10A	Ravine Road	Incorporated Village of Great Neck

* Note that Well 2A and Well 11A are located on the same WAGNN owned property.

WAGNN's SMLP award will also fund replacement of a 20 year old portable generator with a new portable diesel fuel generator to give WAGNN the flexibility to bring emergency power to locations that need it. This project includes purchasing the generator and installing plugs and manual transfer switches inside designated WAGNN well houses to facilitate connection to the portable generator when this alternate power source is needed to respond to power losses due to storms and electrical service grid problems. The portable generator will not impact the environment, historic properties or cultural resources since it will not be installed in a fixed location and will only be used in emergency response situations.

Section A. Project and Sponsor Information: "Brief Description of Proposed Action"

The NYS Department of Health has determined that the project listed below is eligible for funding under the Storm Mitigation Loan Program (SMLP). The WAGNN project is listed in *Final Amendment #7 to the State Drinking Water State Revolving Fund (DWSRF) Federal Fiscal year 2014 Intended Use Plan* (August 2014). WAGNN proposes to implement this project to protect the water supply wells and minimize the risk of well damage or disruption of services during future flood event and allow WAGNN to maintain essential water supply services without interruption. Installing automatic standby generators at Well 6 and Well 10A would enable WAGNN to keep these wells operating during power outages to supply potable water and ensure proper water pressure to meet critical fire flow demand, maintaining uninterrupted supply and adequate fire protection. Purchasing a new portable generator would give WAGNN the flexibility to bring emergency power to locations that need it to respond to power losses due to storms and electrical service grid problems.

Location	Project Description
Well 2A – Watermill Lane	Elevate the Well 2A wellhead and all associated equipment by approximately 7 to 10 feet above its existing elevation in order to protect the wellhead from flooding and flood related service interruptions at this supply well. The proposed work would include: • Removing well equipment • Welding extension to casing • Raising all pumping equipment • Pouring a new concrete pedestal • Reinstalling all infrastructure • Constructing a new well house to enclose the elevated wellhead and associated pumping and electrical equipment
Well 5 – Old Mill Road	Raise the elevation of Well 5 by modifying existing Well 5 or installing a new supply well to replace the existing well. The condition of the existing

Location	Project Description
	well screen and casing will be examined by TV inspection. If the existing well is determined to be in good condition, it will be modified. If the existing well screen or casing is in poor condition, a replacement well will be drilled. In either case, the wellhead and all associated equipment would be set 5 feet above the nearby base flood elevation (10 feet) in order to protect the wellhead from flooding and flood related service interruptions at this supply well. The proposed work would include: If WAGNN decides to modify existing Well 5: • Removing well equipment • Welding extension to casing • Raising all pumping equipment • Pouring a new concrete pedestal • Reinstalling all infrastructure • Constructing a new above grade well house to enclose the elevated wellhead and associated pumping and electrical equipment If WAGNN decides to install a replacement well: • Abandoning existing Well 5 • Installing a replacement supply well in the vicinity of existing Well 5 • Installing all required pumping and electrical equipment and infrastructure • Constructing a new aboveground well house to enclose the new elevated wellhead and associated pumping and electrical equipment
Well 6 – Juniper Drive	Elevate the Well 6 wellhead and all associated equipment by approximately 5 feet above the base flood elevation (14 feet) in order to protect the wellhead from flooding and flood related service interruptions at this supply well. The proposed work would include: • Removing well equipment • Welding extension to casing • Raising all pumping equipment • Pouring a new concrete pedestal • Reinstalling all infrastructure • Installing a dedicated automatic standby generator • Constructing a new well house to enclose the elevated wellhead, associated pumping and electrical equipment, and the proposed automatic standby generator

Location	Project Description
Well 8 – Weybridge Road	Raise the elevation of Well 8 by modifying existing Well 8 or installing a new supply well to replace the existing well. The condition of the existing well screen and casing will be examined by TV inspection. If the existing well is determined to be in good condition, it will be modified. If the existing well screen or casing is in poor condition, a replacement well will be drilled. In either case, the wellhead and all associated equipment would be set 5 feet above the ground surface in order to protect the wellhead from flooding and flood related service interruptions at this supply well. The proposed work would include: If WAGNN decides to modify existing Well 8: • Removing well equipment • Welding extension to casing • Raising all pumping equipment • Pouring a new concrete pedestal • Reinstalling all infrastructure • Constructing a new above grade well house to enclose the elevated wellhead and associated pumping and electrical equipment If WAGNN decides to install a replacement well: • Abandoning existing Well 8 • Installing a replacement supply well in the vicinity of existing Well 8 • Installing all required pumping and electrical equipment and infrastructure • Constructing a new aboveground well house on top of the existing basement booster pump building to enclose the new elevated wellhead and associated pumping and electrical equipment • Moving the existing booster pump and all electrical equipment out of the basement and into the new above grade well house structure.
Well 10A – Ravine Road	Install a dedicated automatic standby generator at Well 10A as part of the ongoing Well 10A improvements project. This project also includes electrical improvements and construction of a separate walk-in enclosure adjacent to the existing Well 10A well house. Construction of the generator enclosure has been completed. A 250 kW natural gas generator will be installed inside the new enclosure, along with wiring and all accessories and appurtenances required for a complete installation. An automatic transfer

Location	Project Description
	switch will also be installed to allow for immediate standby generator startup as soon as power is interrupted and will notify WAGNN personnel of the power loss and generator operation. Work on the Well 10A project began in 2013 and is nearly complete.
Well 11A – Watermill Lane	As part of the Well 11A installation work, a new well house structure will be constructed to enclose the pumping equipment, valving and electrical controls. The Well 11A wellhead and sanitary seals were designed to be two feet above the floor of the well house enclosure. WAGNN is proposing to modify this design by elevating the new wellhead to 5 feet above the ground surface in order to protect the wellhead and all associated equipment from flooding and flood related service interruptions at this supply well. The proposed work includes: • Abandoning existing Well 11 • Installing a replacement supply Well 11A • Installing all required pumping and electrical equipment and infrastructure • Constructing a new aboveground well house to enclose the new elevated wellhead and associated pumping and electrical equipment
Portable Generator (no fixed location)	WAGNN will replace its 20 year old portable generator with a new portable diesel fuel generator (approximately 350 kW) to give WAGNN the flexibility to bring emergency power to locations that need it. This project also includes installing plugs and manual transfer switches at designated WAGNN locations to facilitate connection to the portable generator when this alternate power source is needed to respond to power losses due to storms and electrical service grid problems.

The project at each of the well locations described above will be completed entirely on WAGNN owned property and primarily involves in-kind replacement of equipment and structures. The project does not include property acquisition or expansion of facilities, and no adverse impacts on surrounding properties are expected. New structures will be constructed to replace existing structures at each site to enclose the elevated wellheads, pumps, electrical equipment, and control systems, and new dedicated standby generators as described above. The portable generator will not be installed in a fixed location and will only be used in emergency response situations.

Section B. Government Approvals, Funding or Sponsorship

- Nassau County Department of Health Water Supply Division approvals are required for public water supply well projects and will be obtained during project design.

- New York State Department of Health and NY Environmental Facilities Corporation
    - Drinking Water State Revolving Fund (DWSRF) Storm Mitigation Loan Program (SMLP) Funding - Grant Application Submitted 3/27/14, SMLP Financing Application Submittal Projected 12/1/14

- New York State Department of Environmental Conservation
    - Tidal Wetlands Permit – Based on correspondence with NYSDEC Region 1 Division of Environmental Permits (included in Appendix A), State regulated tidal wetlands are located on or adjacent to the Well 5 and Well 6 project locations. Therefore, it is likely that a Tidal Wetlands Permit would be required to ensure compliance with 6 NYCRR Part 661 at these two locations. A qualified environmental scientist shall be retained to delineate the tidal wetlands and buffer zones near the Well 5 and Well 6 project sites.
    - Freshwater Wetlands Permit - A freshwater wetland area is located on the Well 2A/11A property along the drainage channel that runs through the property, thus a NYSDEC Freshwater Wetlands Permit may be required to implement the project at this location. WAGNN shall request that NYSDEC delineate the freshwater wetland area and buffer zone at the Well 2A/11A site. None of the other project locations (Well 5, 6, 8 or 10A) appear to be located in the vicinity of New York State regulated freshwater wetlands.
    - Coastal Erosion Management Permit - Based on correspondence with NYSDEC Region 1 Division of Environmental Permits (included in Appendix A), none of the project locations appear to be within a mapped coastal erosion hazard area. Therefore, a Coastal Erosion Management Permit would not be required to implement the project at Well 2A, 5, 6, 8, 10A or 11A.
    - Water Supply Well Permits – The Well 11A project involves installation of a replacement potable water supply well. The Well 5 and Well 8 projects may involve installation of replacement potable water supply wells if further inspection indicates that the existing wells cannot be repaired. For each location where a new supply well is installed, necessary permits will be obtained from the NYSDEC Division of Water to abandon the existing well and install and operate the new replacement supply well.

All permits required to implement the storm mitigation improvements project would be obtained during project design before construction begins.

Section B. Government Approvals, Item i: "Coastal Resources"

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? The EAF Mapper indicates that Wells 5, 6 and 10A are located within a Coastal Area or the waterfront area of a Designated Inland Waterway.

- Well 5 is located adjacent to a drainage channel that is connected to Udall's Mill Pond which is connected to the Long Island Sound.
- Well 6 is located in a coastal area adjacent to Little Neck Bay which is connected to the Long Island Sound.
- Well 10A is located near the eastern coast of the Great Neck peninsula, however it is near the top of a steep slope approximately 100 feet above the shoreline. Therefore, the Well 10A project activities would not impact the coastal area.

Coastal areas and waterways in the vicinity of the project sites would be protected during the work by implementing best management practices to ensure that construction activities and subsequent daily operations do not disturb or otherwise impact these areas. The work areas would be limited to the construction zone immediately adjacent to the public supply wells and well houses. No adverse impacts on coastal areas or waterways are expected. All construction work would be conducted to avoid impacting these areas. Construction equipment would be prohibited from entering the drainage channel and coastal areas during the work at Well 5 and Well 6. Silt fencing, staked hay bales or other appropriate erosion control measures would be used to minimize erosion and sedimentation to avoid impacting the drainage channel and coastal area.

iii. Is the project site within a Coastal Erosion Hazard Area? Based on correspondence with NYSDEC Region 1 Division of Environmental Permits (included in Appendix A), none of the project locations appear to be within a designated Coastal Erosion Hazard Area.

Section C.2. "Adopted Land Use Plans"

b. Is the site of the proposed action within any local or regional special planning district? The proposed project would not impact any of the local or regional special planning districts identified by NYSDEC's EAF Mapper and noted on the form.

Section C.3. "Zoning"

The proposed project involves no change in land use and is consistent with current zoning at each public water supply well location.

Section D.1. "Proposed and Potential Development"

b.a. Total acreage of the site of the proposed action? The proposed project would be conducted entirely on WAGNN owned property at Wells 2A, 5, 6, 8, 10A and 11A. The parcel sizes, totaling approximately 9.6 acres, are listed below.

Well ID	Total Area of Property
2A & 11A	5.65 acres
5	0.81 acres
6	0.17 acres
8	0.85 acres
10A	2.11 acres

b.b. Total acreage to be physically disturbed? The work areas at each of these supply well facilities would be limited to the construction zone immediately adjacent to the public supply wells and well houses. It is estimated that the total area that would be physically disturbed by construction would be less than 1 acre (combined total for all work sites).

e. Will proposed action be conducted in multiple phases? The preliminary project schedule for all phases of project design and construction is presented in Appendix B.

g. Does the proposed action include new non-residential construction (including expansions)? The proposed project includes the construction of new well houses at Wells 2A, 5, 6, 8 and 11A to replace existing structures at these locations. A new enclosure has been constructed adjacent to the existing Well 10A well house for the new emergency generator installed at this location. The new structures shall protect the public water supply wells (and new emergency generators at Well 6 and Well 10A) from storm and flood damage as previously noted. The new well houses/generator enclosure would be similar in size to the existing structures at each location. While final building dimensions would be determined during system design, WAGNN anticipates that the new structures would be no larger than 30 feet long by 20 feet wide and 18 feet high.

Section D.2. "Project Operations"

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? The project would not alter, change the size or encroach upon any existing wetland, waterbody, shoreline, beach or adjacent area. The work areas at each of the supply well facilities (Well 2A, Well 5, Well 6, Well 8, Well 10A and Well 11A) would be limited to the construction zone

immediately adjacent to the existing public supply wells and well houses. The project will be completed entirely on WAGNN owned property and primarily involves in-kind replacement of equipment and structures. The project does not include property acquisition or expansion of facilities.

No adverse impacts on surrounding properties or any environmentally sensitive areas are expected. Tidal wetlands are located north of the Well 5 project location and would not be impacted by work at this site. Tidal wetlands are located along the western side of the Well 6 property. Construction at Well 6 would be conducted to avoid impacting these wetlands. NYSDEC Tidal Wetlands Permits would be obtained for work at Well 5 and Well 6 as required to comply with 6 NYCRR Part 661. Permit requirements would be evaluated further during detailed project design.

Tidal wetlands are also located north of the Well 2A/11A property on the north side of the LIRR tracks, however the Tidal Wetlands Act and permit regulations would not apply to these wetlands because they are separated from the project site by a man-made structure (NYSDEC Region 1 "Tidal Wetlands Jurisdictional Inquiry Checklist"). Tidal wetlands are not located in the vicinity of the Well 8 and Well 10A sites.

A freshwater wetland area is located on the Well 2A/11A property along the drainage channel that runs through the property, thus a NYSDEC Freshwater Wetlands Permit may be required to implement the project at this location. None of the other project locations (Well 5, 6, 8 or 10A) appear to be located in the vicinity of New York State regulated freshwater wetlands.

Tidal and freshwater wetlands and buffer zones shall be delineated. WAGNN will carefully consider the wetlands and buffer zone boundaries during detailed project design. Required wetlands permits would be obtained for the work during the design phase before construction begins at these locations (Wells 2A, 5, 6 and 11A). All work would be conducted in accordance with applicable permit conditions. The design will incorporate best management practices to protect the wetlands and avoid any adverse impacts on these areas. The construction zones would be established to restrict equipment access and keep vehicles as far away from the wetlands as possible. Stormwater flow would be diverted away from the wetlands using silt fencing, staked hay bales and other appropriate control measures to minimize erosion and prevent sediment deposits from impacting the wetlands. Construction activities would be managed to ensure that tidal and freshwater wetlands are not impacted by the work.

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration or other processes operations? During the project construction phase, heavy equipment such as well drilling rigs, earth moving and grading

equipment, and construction material delivery vehicles will be used. These temporary sources of air emissions will not have an adverse impact on the environment. There will be no mobile or stationary sources of air emissions during normal supply well operations after project construction is completed.

Section E.1. "Land uses on and surrounding the project site"

b. Land uses and cover types on the project site – The total project acreage is approximately 9.6 acres as detailed in the Section D.1 response above. Of that total, less than one acre of the WAGNN owned property at the project sites is covered by buildings and impervious surfaces. Approximately 8.6 acres is unpaved, grassed areas, including less than 0.5 acre of wetland areas on the project sites (wetlands along the drainage channel at the Wells 2A/11A property and tidal wetlands along the western side of the Well 6 property).

h. iv. Potential contamination history – Current status - The sites listed in Section E.1.h.i and E.1.h.iii of the EAF form are within the boundaries of the project area drawn using NYSDEC's EAF Mapper to encompass the five WAGNN project locations. The current status of these sites as summarized on NYSDEC's Environmental Sites Database is presented below. None of these sites would have impacts associated with the proposed projects.

- NYSDEC Site #130068 – Mayflower Cleaners, 489 Great Neck Road, Great Neck, NY – Soils at this State Superfund site were contaminated with chlorinated solvents and petroleum hydrocarbons. Contaminated soils were removed and a sub-slab depressurization system was installed and is being operated to mitigate soil vapor intrusion into on-site buildings. Sampling indicates that soil vapor intrusion is not a concern for off-site buildings. The proposed WAGNN project will not impact or be impacted by the Mayflower Cleaners site.

- NYSDEC Site #130070 – Citizens Development Co., 47 Northern Blvd., Great Neck, NY – This State Superfund site had soil and groundwater contamination due to past dry cleaning operations. Contaminated soils were excavated and disposed of off-site. Chemical injection and soil vapor extraction systems were installed to remove contaminants from soil and groundwater. Sub-slab depressurization systems are operated to address soil vapor intrusion. The proposed WAGNN project will not impact or be impacted by the Citizens Development Co. site.

- NYSDEC Site #130072 – Stanton Cleaners, 110 Cutter Mill Road, Great Neck, NY – This State and Federal Superfund site is located approximately 1,000 feet north of the Well 2A/11A supply wells. PCE from this site impacted soil and groundwater, and

WAGNN installed an air stripping system to treat water extracted from Wells 2A and 11 in the mid-1980s due to PCE from the Stanton Cleaners site (WAGNN installed a new stripper in 1998 after the original stripper began to fail). Contaminated soil and sediment was removed from the Superfund site, and a soil vapor extraction and groundwater treatment system continue to operate at the Stanton Cleaners site. NYSDEC currently manages operation of the on-site remedial systems and monitoring the plume associated with this site. The proposed WAGNN project at Wells 2A and 11A will not impact or be impacted by the Stanton Cleaners site.

- NYSDEC Site #V00395 – LIRR Little Neck Substation – This Voluntary Cleanup Program site is located on Watermill Lane, Great Neck, NY adjacent to WAGNN property (Well 2A and 11A). Mercury contaminated soil identified during the site investigation was removed from the site in 2011. Land use restrictions and a site management plan are in place to restrict the site to industrial use. The proposed WAGNN project at Wells 2A and 11A will not impact or be impacted by the neighboring LIRR site.

- NYSDEC Site #V00396 – LIRR Manhasset Substation – This Voluntary Cleanup Program site, located in Manhasset, NY is not on the Great Neck peninsula and would not have any impact on the WAGNN project. NYSDEC is overseeing remedial actions at this site.

- NYSDEC Site #V00522 – Alert Fire Company, 140 Steamboat Road, Great Neck, NY – This Voluntary Cleanup Program site has groundwater contamination due to previous dry cleaning operations at the site. An air sparging/soil vapor extraction remediation system began operating in April 2014 to address on-site contamination. This site is not located in the vicinity of any of the proposed WAGNN project sites.

- NYSDEC Site #C130192 – The Moorings at Kings Point, 240, 266 and 280 East Shore Road, Great Neck, NY – This Brownfields site application is for an investigation of this site which was once used as a petroleum bulk storage facility. This site is not located in the vicinity of any of the proposed WAGNN project sites.

Section E.2. "Natural Resources On or Near Project Site"

h. Surface water features. Refer to the responses to Item B.i and Item D.2.b for additional information on wetlands and water bodies on or in the vicinity of the project locations. The work areas would be limited to the construction zone immediately adjacent to the public supply wells

and well houses. No adverse impacts on surface water features or wetlands are expected. All construction work would be conducted to avoid impacting these areas.

i. Is the project site in a designated Floodway? Although designated floodways are located within the boundaries of the project area drawn using NYSDEC's EAF Mapper to encompass the five WAGNN project locations, none of the individual project sites are located in a designated floodway.

j. Is the project site in the 100 year Floodplain?
k. Is the project site in the 500 year Floodplain?

Based on a review of the FEMA National Flood Insurance Program maps, Wells 2A, 8, 10A and 11A are not located in a FEMA designated flood zone. Well 5 is located in close proximity to an area within FEMA flood zone AE with a base flood elevation of 10 feet. Well 6 is located along the shoreline within FEMA flood zone VE, with a base flood elevation of 14 feet. The work areas would be limited to the construction zone immediately adjacent to the public supply wells and well houses. No adverse impacts on flood zones are expected. Flood zones in the vicinity of the project sites would be protected during the work to ensure that construction activities and subsequent daily operations do not disturb or otherwise impact these areas. The best management practices designed to protect wetland areas would also be used to protect the flood zones.

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? The WAGNN service area is located over the Nassau-Suffolk Sole Source Aquifer known as the Magothy and Lloyd aquifers.

Section E.3. "Designated Public Resources On or Near Project Site"

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? The proposed project would not impact any listed or nominated historic sites. The historic buildings identified by the EAF Mapper are not located in the immediate vicinity of any of the supply well facilities included in the project.

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY SHPO archaeological site inventory? The NYSDEC EAF Mapper indicates that the Well 6 and Well 8 sites are located in or adjacent to an archaeologically sensitive area. WAGNN submitted information on the proposed project to the

New York State Office of Parks, Recreation and Historic Preservation on November 3, 2014 for State Historic Preservation Office (SHPO) review, which will further evaluate potential archaeological impacts. The work areas would be limited to the construction zone immediately adjacent to the public supply wells and well houses. No adverse impacts on archaeologically sensitive areas are expected.

Summary

WAGNN's proposed storm mitigation improvements project would protect water supply wells (Wells 2A, 5, 6, 8 and 11A) and minimize the risk of well damage or disruption of services during future flood events and allow WAGNN to maintain essential water supply services without interruption. The generator projects at Well 6 and Well 10A would enable WAGNN to supply sufficient potable water and ensure proper water pressure to meet critical fire flow demand, maintaining uninterrupted supply and adequate fire protection. The portable generator project would give WAGNN the flexibility to bring emergency power to locations that need it to respond to power losses due to storms and electrical service grid problems.

Based on the environmental assessment completed pursuant to SEQR and summarized on the Full EAF (supplemented by information presented in this attachment), the proposed project will not adversely impact the environment, land use, natural resources or public resources.

The work areas at each of the supply well facilities (Well 2A, Well 5, Well 6, Well 8, Well 10A and Well 11A) would be limited to the construction zone immediately adjacent to the existing public supply wells and well houses. The project at each of the well locations described herein will be completed entirely on WAGNN owned property and primarily involves in-kind replacement of equipment and structures. The project does not include property acquisition or expansion of facilities, and no adverse impacts on surrounding properties are expected. New structures will be constructed to replace existing structures at each site to enclose the elevated wellheads, pumps, electrical equipment, and control systems, and new dedicated standby generators as described above. The portable generator will not be installed in a fixed location and will only be used in emergency response situations.

Environmentally sensitive areas, such as tidal and freshwater wetlands, coastal areas and flood zones would be protected during the work to ensure that construction activities and subsequent daily operations do not disturb or otherwise impact these areas. The proposed project would not alter, change the size or encroach upon any existing wetland, waterbody, shoreline, beach or adjacent area.

WAGNN would coordinate with regulatory agencies to obtain any required permits before construction work begins to comply with all applicable environmental regulations and permit

conditions. It is expected that NYSDEC Tidal Wetlands Permits (and possibly U.S. Army Corps of Engineers permits) would apply to the proposed work at the Well 5 and Well 6 locations. NYSDEC Freshwater Wetlands Permits are expected to apply to the Well 2A and Well 11A project locations. NYSDEC Division of Water permits would apply to the abandonment of existing wells (Well 11 and possibly Wells 5 and 8) and installation and operation of new replacement supply well(s). In addition, approvals will be obtained from the Nassau County Department of Health Water Supply Division for supply well modifications and/or replacement. Permit requirements will be further evaluated during as project design progresses through continued contact with NYSDEC and other regulatory agencies. Best management practices would be developed during design and implemented to avoid impacts to environmentally sensitive areas.

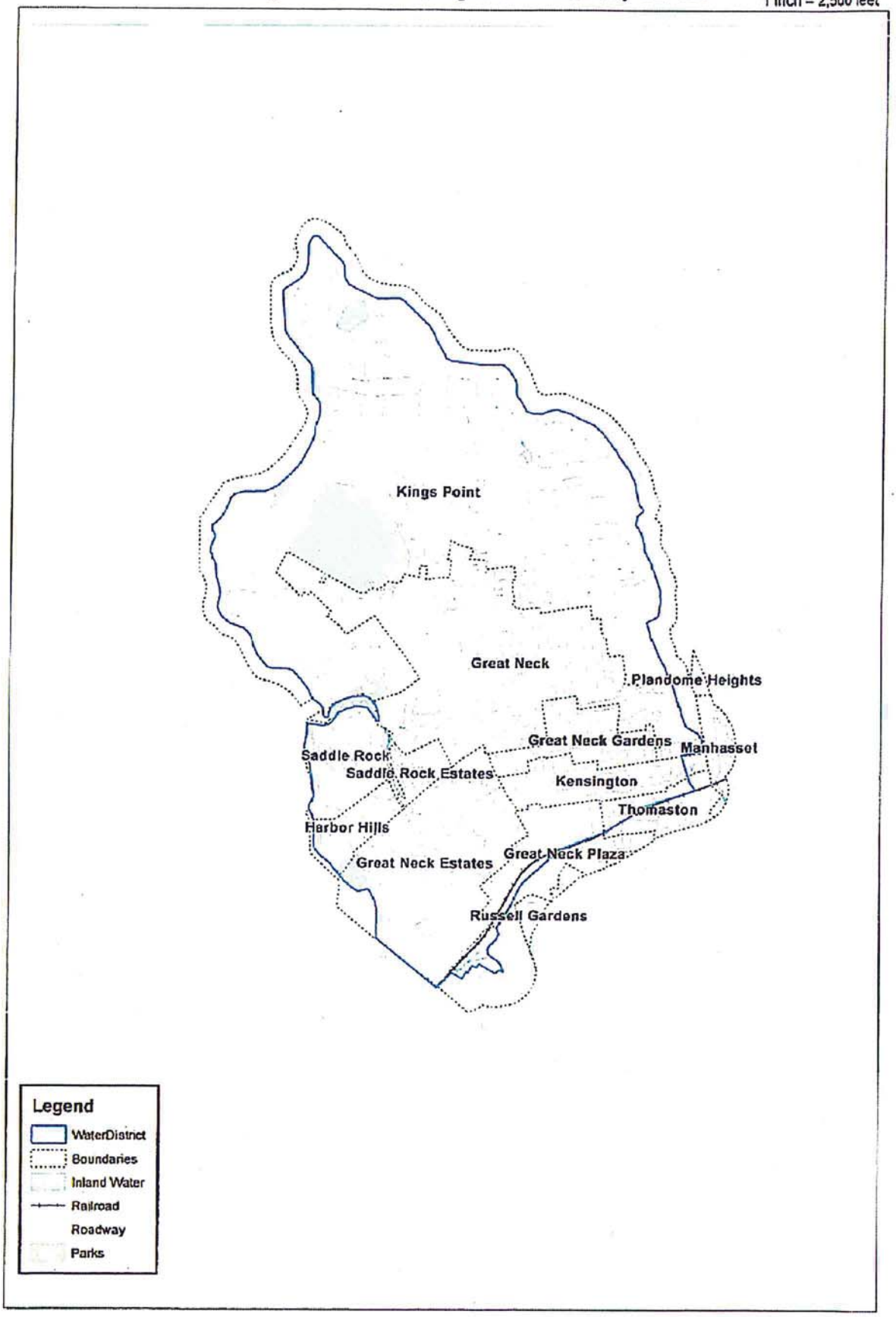
FIGURES

FIGURE 1

THE WATER AUTHORITY OF GREAT NECK NORTH - SERVICE AREA MAP

Showing the several Villages the Authority serves

1 inch = 2,500 feet



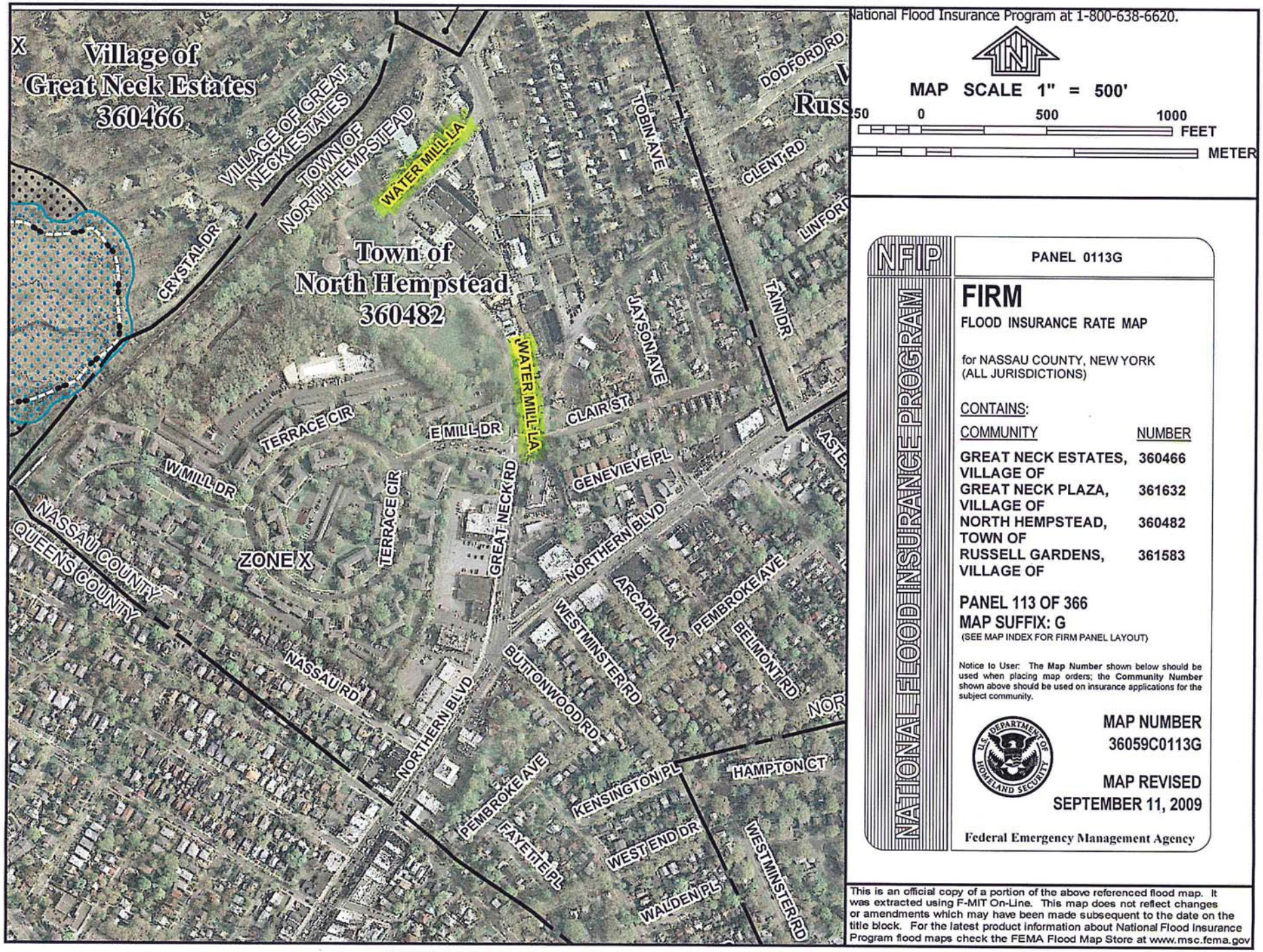


FIGURE 2 – GENERAL LOCATION OF WELL 2A AND WELL 11A

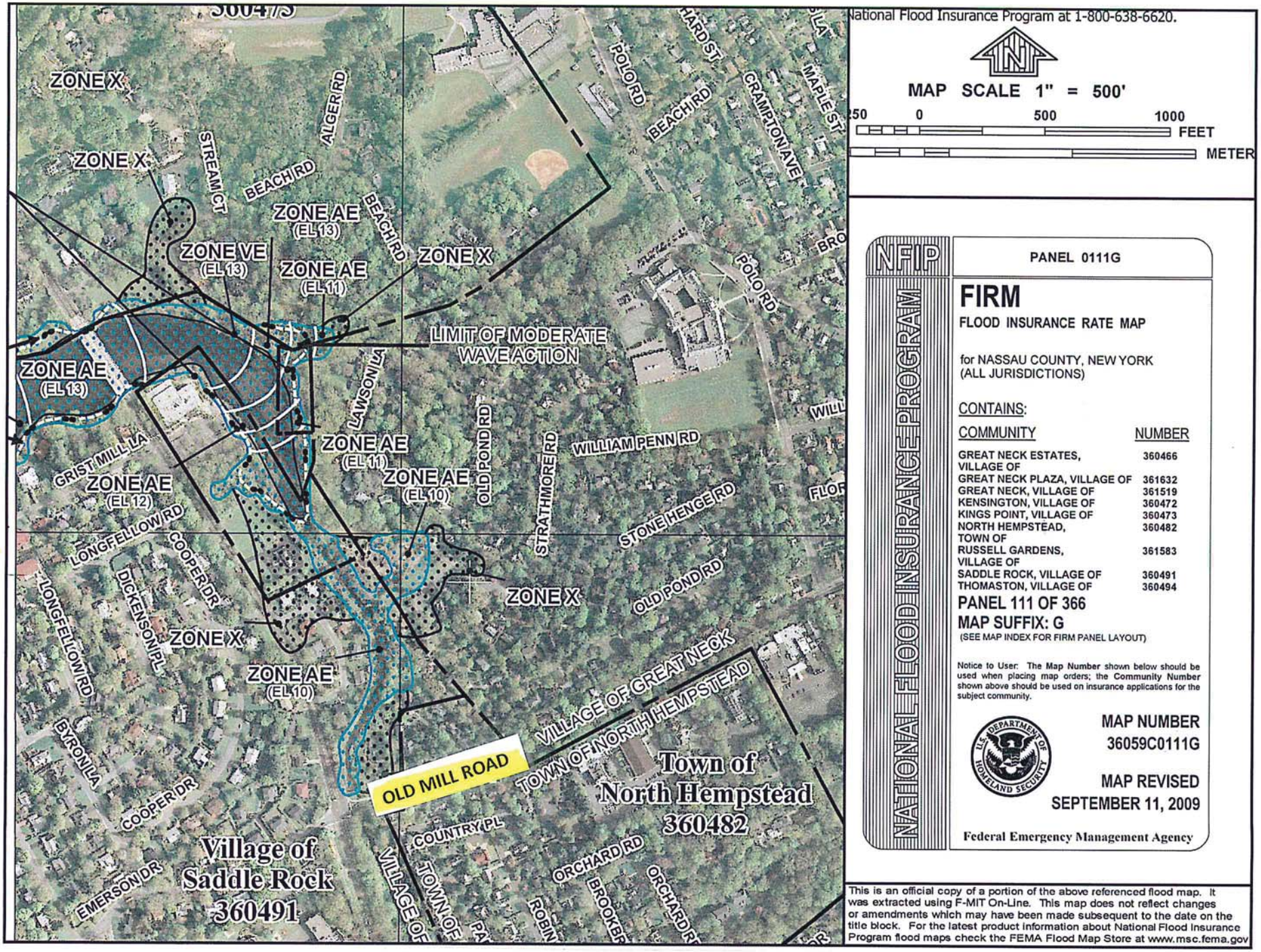


FIGURE 3 – GENERAL LOCATION OF WELL 5

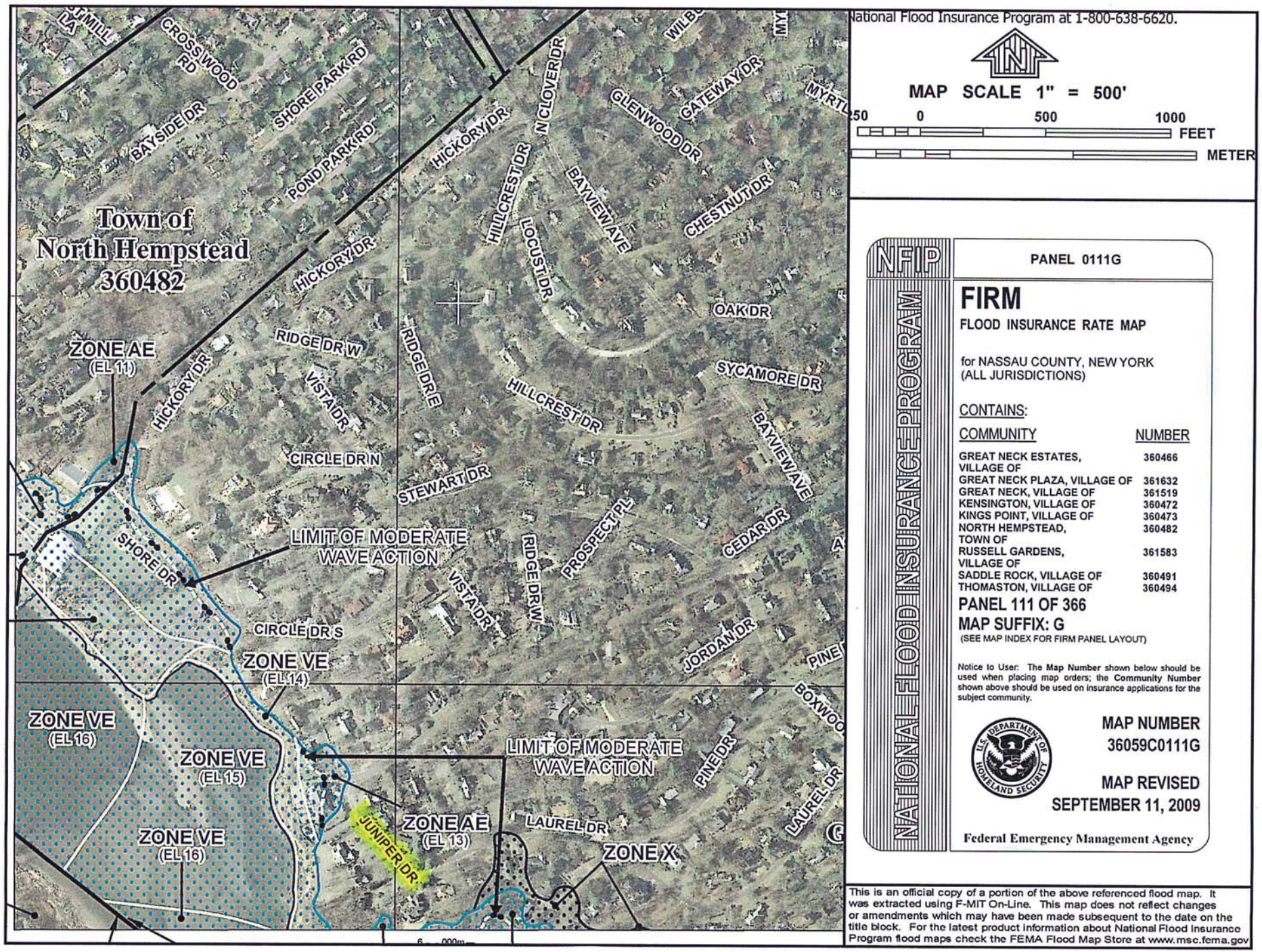


FIGURE 4 – GENERAL LOCATION OF WELL 6

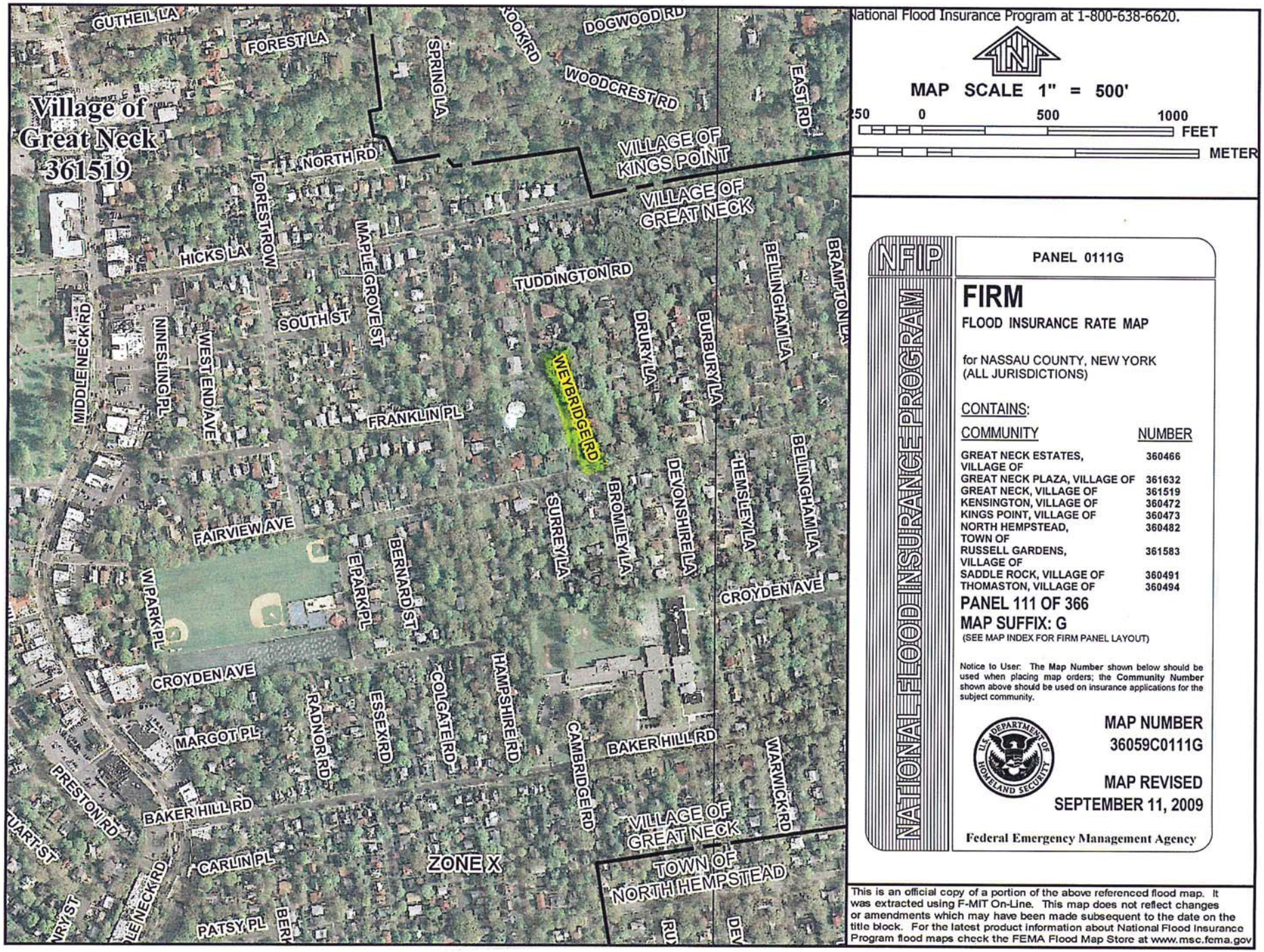


FIGURE 5 – GENERAL LOCATION OF WELL 8

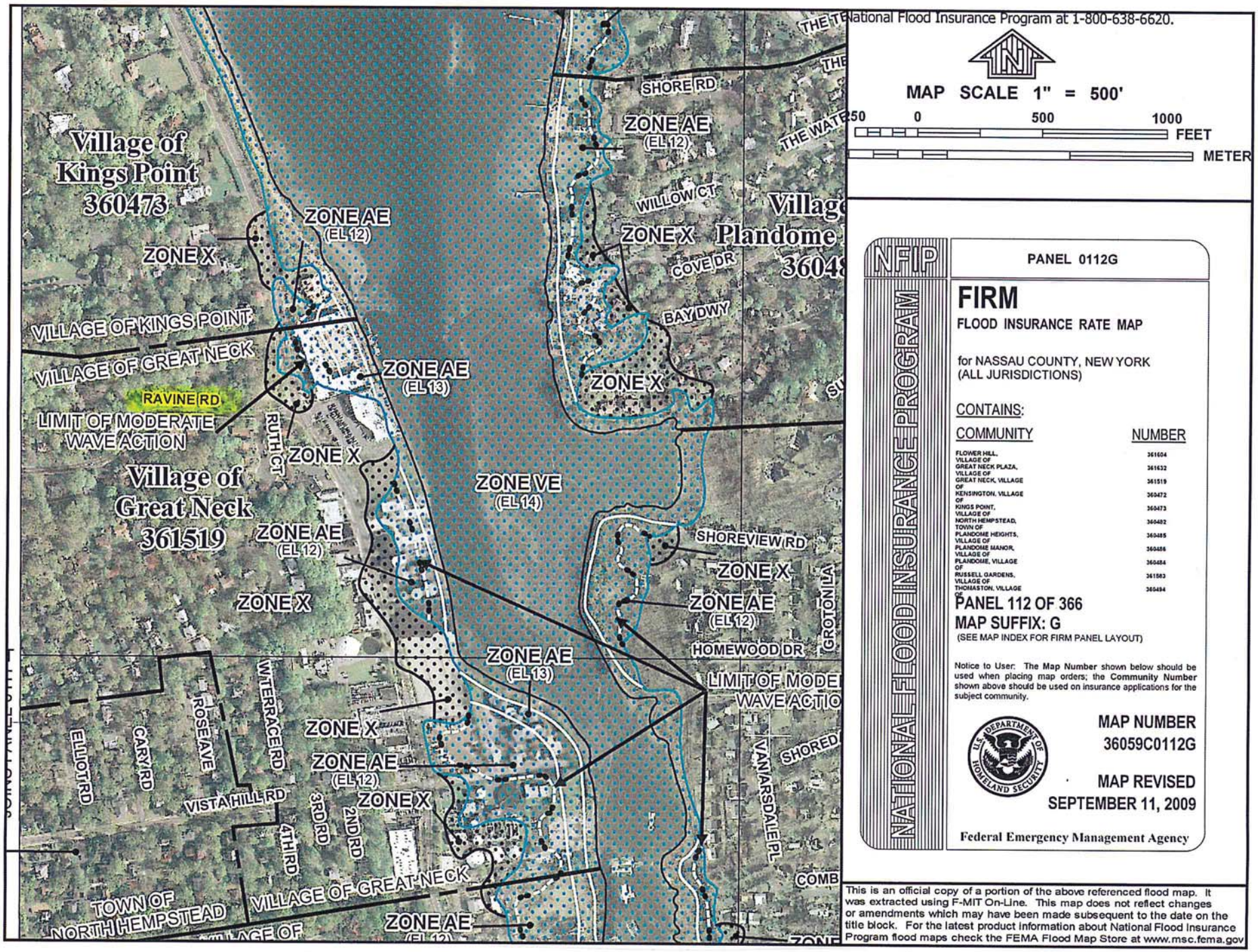


FIGURE 6 – GENERAL LOCATION OF WELL 10A

APPENDIX A
CORRESPONDENCE WITH NYSDEC REGION 1

Nora Brew <waldennmb@gmail.com>

Permit Requirements re: Water Authority of Great Neck North Supply Well Projects

Kispert, Kevin A (DEC) <kevin.kispert@dec.ny.gov> Fri, Nov 7, 2014 at 5:45 PM
To: Nora Brew <nbrew@walden-associates.com>
Cc: "Pilewski, Jennifer L (DEC)" <jennifer.pilewski@dec.ny.gov>

An initial screening based on te location maps provided shows that only the sites for Well 5 and Well 6 would need Tidal Wetland permits - depending on the scope of work to be done. Well 10A and Well 2A/11A are close to tidal wetlands, but appear to be located landward of a paved roadway which was likely built before 8/20/77 (see attached Jurisdictional Inquiry Information Sheet.

None of the 5 locations appeared to be within 100 feet of NYS-regulated freshwater wetlands, or within CEM (Part 505) jurisdiction.

Work related to abandoning wells and/or installing new wells warrants discussion with our Division of Water at 631-444-0405.

Please call me if you have any questions.

From: waldennmb@gmail.com [mailto:waldennmb@gmail.com] **On Behalf Of** Nora Brew
Sent: Thursday, October 30, 2014 11:42 AM
To: Kispert, Kevin A (DEC)
Cc: Greg Graziano; smoriarty@wagnn.org
Subject: Permit Requirements re: Water Authority of Great Neck North Supply Well Projects

Kevin,

[Quoted text hidden]

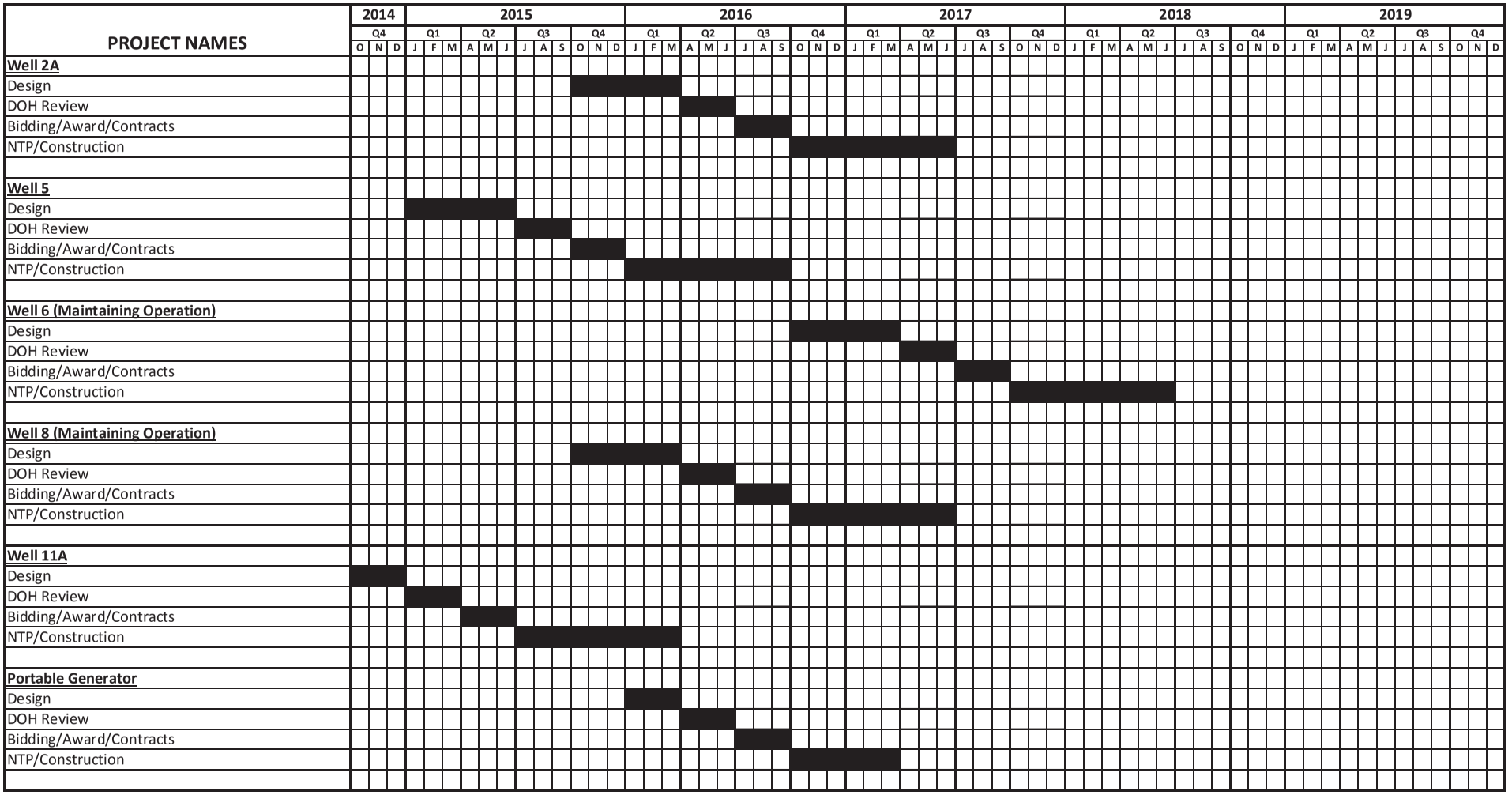
2 attachments

NJ checklist-TW.pdf
17K

NJ checklist-FW.docx
17K

APPENDIX B
PRELIMINARY PROJECT SCHEDULE

WATER AUTHORITY OF GREAT NECK NORTH
EFC BOND ISSUE PRELIMINARY PROJECT SCHEDULE



WATER AUTHORITY OF GREAT NECK NORTH
EFC BOND ISSUE PRELIMINARY PROJECT SCHEDULE

Milestone	ESTIMATED SCHEDULE DATES						
	Well 2A	Well 5	Well 6	Well 8	Well 10A	Well 11A	Generator
Submit Project Plans & Specifications for review & approval	4/1/2016	7/1/2015	4/1/2017	4/1/2016	10/24/2014	1/9/2015	4/1/2016
Award Bids *	9/19/2016	11/16/2015	8/21/2017	8/15/2016	5/21/2013	3/17/2015	8/15/2016
Issue Notice to Proceed	10/15/2016	1/2/2016	10/1/2017	10/1/2016	7/29/2013	7/1/2015	10/1/2016
Construction Start	10/15/2016	1/2/2016	10/1/2017	10/1/2016	7/29/2013	7/1/2015	10/1/2016
Construction Completion	7/1/2017	10/1/2016	7/1/2018	7/1/2017	12/1/2014	4/1/2016	4/1/2017

* - Awards must be made on the third Monday of a month, which is when the WAGNN Board meets.

PART 2

IDENTIFICATION OF POTENTIAL PROJECT IMPACTS

Agency Use Only [If applicable]

Project :

Date :

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land
Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)
If "Yes", answer questions a - j. If "No", move on to Section 2.

☐ NO ☑ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☑	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☑	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☑	☐
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☑	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☑	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: None		☑	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	□	□
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	□	□
c. Other impacts: _____ _____		□	□

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

☐ NO ☑ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	☑	☐
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☑	☐
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	☑	☐
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	☑	☐
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	☑	☐
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	☑	☐
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	☑	☐
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	☑	☐
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	☑	☐
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	☑	☐
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	☑	☐

l. Other impacts: None		☑	☐

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) ☐ NO ☑ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	☑	☐
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	☑	☐
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	☑	☐
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	☑	☐
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	☑	☐
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	☑	☐
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	☑	☐
h. Other impacts: None		☑	☐

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) ☐ NO ☑ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	☑	☐
b. The proposed action may result in development within a 100 year floodplain.	E2j	☑	☐
c. The proposed action may result in development within a 500 year floodplain.	E2k	☑	☐
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	☑	☐
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	☑	☐
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	☑	☐

g. Other impacts: None		☑	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. ☑ NO ☐ YES
(See Part 1. D.2.f., D,2,h, D.2.g)
If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑ NO ☐ YES
If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	□	□
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	□	□
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	□	□
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	□	□
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	□	□
j. Other impacts: _____ _____		□	□

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	□	□
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	□	□
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	□	□
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	□	□
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	□	□
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	□	□
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	□	□
h. Other impacts: _____		□	□

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☐ ☐	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☐ ☐	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

☐ NO ☑ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	☑	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

d. Other impacts: No impacts anticipated. SHPO review is in progress to verify that historic and archaeological resources will not be impacted by project.		☑	☐
e. If any of the above (a-d) are answered "Yes", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☐	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☐	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☐	☐

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	□	□
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	□	□
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	□	□
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	□	□
e. Other impacts: _____		□	□

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
c. Other impacts: _____		□	□

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☑ NO ☐ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - g. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☐	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☐
c. The proposed action will degrade existing transit access.	D2j	☐	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☐	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☐
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☐	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☐	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☐	☐
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☐ NO ☑ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☑	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☑	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☑	☐

d. The proposed action may result in light shining onto adjoining properties.	D2n	☑	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☑	☐
f. Other impacts: None		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☐ NO ☑ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☑	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☑	☐
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☑	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☑	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☑	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☑	☐
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☑	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☑	☐
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☑	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☑	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☑	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☑	☐
m. Other impacts: None		☑	☐

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

PART 3

EVALUATION OF THE MAGNITUDE AND IMPORTANCE OF PROJECT IMPACTS AND DETERMINATION OF SIGNIFICANCE

Agency Use Only [IfApplicable]

Project :

Date :

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☐ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☐ Part 1 ☐ Part 2 ☐ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information

_____

_____

_____

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Water Authority of Great Neck North as lead agency that:

☑ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

_____

_____

_____

_____

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Water Authority of Great Neck North Storm Mitigation Improvements Project

Name of Lead Agency: Water Authority of Great Neck North

Name of Responsible Officer in Lead Agency: Gregory C. Graziano

Title of Responsible Officer: Superintendent

Signature of Responsible Officer in Lead Agency: Gregory C. Graziano Date: 11/24/2014

Signature of Preparer (if different from Responsible Officer) Date:

For Further Information:

Contact Person: Gregory C. Graziano

Address: Water Authority of Great Neck North, 50 Watermill Lane, Great Neck, NY 11021

Telephone Number: 516-487-7975

E-mail: ggraziano@wagnn.org

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

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