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Vice Chairman

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ROBERT FRENKEL
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TOWN OF CARMEL
PLANNING BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 – Ext.190
www.ci.carmel.ny.us

MICHAEL CARNAZZA
*Director of Code
Enforcement*

RICHARD FRANZETTI, P.E.
Town Engineer

PATRICK CLEARY,
AICP, CEP, PP, LEED AP
Town Planner

PLANNING BOARD AGENDA
SEPTEMBER 22, 2021 – 7:00 P.M.

TAX MAP # PUB. HEARING MAP DATE COMMENTS

SITE PLAN

1.	Barile Property Management Inc – 361 Route 6	75.19-1-12	11/18/18	Amended Site Plan
2.	Suez Water New York Inc – London Bridge Wells - 39 Brook Street	64.7-1-10	7/20/21	Site Plan
3.	Suez Water New York Inc – Geymer Wells - 70 Geymer Drive	75.13-1-6	8/23/21	Site Plan
4.	Suez Water New York Inc – Chateau Wells - 59 McNair Drive	75.20-1-16	7/19/21	Site Plan
5.	Suez Water New York Inc – Mahopac Wells - 150 feet s/w of Coventry Circle	75.20-2-68	8/27/21	Site Plan
6.	Suez Water New York Inc – Archer Wells - 9 Colton Road	85.12-1-8	7/16/21	Site Plan

MISCELLANEOUS

7. Minutes – 08/12/21



TOWN OF CARMEL SITE PLAN APPLICATION INSTRUCTIONS



Barile Property Management

The Town of Carmel Planning Board meetings are held twice a month, on the second and fourth Wednesday's, at 7:00 PM at Carmel Town Hall, 60 McAlpin Avenue, Carmel

The submission deadline is 10 days prior to the Planning Board meeting. New site plan applications that have been deemed complete will be placed on the agenda in the order they are received.

No application will be placed on the agenda that is incomplete

Pre-Submission:

Prior to the formal submission of the site plan, a pre-submission conference may be requested by the applicant to be conducted with representatives from the Town, which may include the Town Planner, Town Engineer, Director of Code Enforcement and/or the Planning Board Attorney. This conference will serve to educate the applicant on the process he/she must follow, clarify the information required to submit a complete site plan application, and to highlight any specific areas of concern. You may arrange a pre-submission conference through the Planning Board Secretary at (845) 628-1500 extension 190.

Submission Requirements:

At least 10 days prior to the Planning Board meeting, the site plan application shall be submitted to the Planning Board Secretary as follows:

All site plans shall be signed, sealed and folded with the title box legible. The application package shall include:

- 11 copies of the Site Plan Application Form, signed and notarized.
- 11 copies of the SEQR Environmental Assessment Form (use of short form or long form shall be determined at pre-submission conference).
- 5 full size sets of the Site Plan (including floor plans and elevations)
- 1 CD (in pdf. format) containing an electronic version of the Site Plan
- John* 2 copies of the Disclosure Statement
- 11 copies of the Site Plan Completeness Certification Form
- N/A* All supplemental studies, reports, plans and renderings.
- 2 copies of the current deed.
- John* *N/A* 2 copies of all easements, covenants and restrictions.
- The appropriate fee, determined from the attached fee schedule. Make checks payable to the *Town of Carmel*.

Rose Yonketha 9/8/21
Planning Board Secretary; Date

Richard J. [Signature] 9/8/2021
Town Engineer; Date



TOWN OF CARMEL SITE PLAN APPLICATION



Per Town of Carmel Code – Section 156 - Zoning

SITE IDENTIFICATION INFORMATION		
Application Name: BARILE SHED	Application # 21-0013	Date Submitted: 8/23/21
Site Address: No. 361 Street: ROUTE 6 Hamlet: MAHOPAC		
Property Location: (Identify landmarks, distance from intersections, etc.) ROUTE 6, NORTH OF UNION VALLEY ROAD		
Town of Carmel Tax Map Designation: Section 75.19 Block 1 Lot(s) 12	Zoning Designation of Site: COMMERCIAL	
Property Deed Recorded in County Clerk's Office Date _____ Liber _____ Page _____	Liens, Mortgages or other Encumbrances Yes _____ No <input checked="" type="checkbox"/>	
Existing Easements Relating to the Site No Yes Describe and attach copies: NONE	Are Easements Proposed? No Yes Describe and attach copies: NO	
Have Property Owners within a 500' Radius of the Site Been Identified? Yes <input checked="" type="checkbox"/> No _____ Attached List to this Application Form ON PLAN		
APPLICANT/OWNER INFORMATION		
Property Owner: BARILE PROPERTY MGMT. INC	Phone #: 914 774 4653 Fax#:	Email: GMAIL.COM JOHNJBARILE@
Owners Address: No. 361 Street: ROUTE 6 Town: MAHOPAC State: NY Zip: 10541		
Applicant (If different than owner): SAME	Phone #: Fax#:	Email:
Applicant Address (If different than owner): No. _____ Street: _____ Town: _____ State: _____ Zip: _____		
Individual/ Firm Responsible for Preparing Site Plan: JOHN KARELL, JR., P.E.	Phone #: Fax#: 845 721 0455	Email: JACK4911@YAHOO.COM
Address: No. 121 Street: CUSHMAN ROAD Town: PATTERSON State: NY Zip: 12563		
Other Representatives: N/A	Phone #: Fax#:	Email:
Owners Address: No. _____ Street: _____ Town: _____ State: _____ Zip: _____		
PROJECT DESCRIPTION		
Describe the project, proposed use and operation thereof: CONSTRUCTION OF A STORAGE SHED AT THE REAR OF THE EXISTING BUILDING		

TOWN OF CARMEL SITE PLAN APPLICATION

PROJECT INFORMATION			
Lot size: Acres: <u>0.385</u>	Square Feet: <u>16,791</u>	Square footage of all existing structures (by floor):	
# of existing parking spaces: <u>16</u>	# of proposed parking spaces: <u>0</u>		
# of existing dwelling units: <u>0</u>	# of proposed dwelling units: <u>0</u>		
Is the site served by the following public utility infrastructure:			
<ul style="list-style-type: none"> ▪ Is project in sewer district or will private septic system(s) be installed? <u>SEPTIC</u> ▪ If yes to Sanitary Sewer answer the following: <ul style="list-style-type: none"> ▶ Does approval exist to connect to sewer main? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▶ Is this an in-district connection? _____ Out-of district connection? _____ ▶ What is the total sewer capacity at time of application? _____ ▶ What is your anticipated average and maximum daily flow _____ 			
For Town of Carmel Town Engineer			
<ul style="list-style-type: none"> ▶ What is the sewer capacity <u>NA RTP 9/8/2011</u> 			
<ul style="list-style-type: none"> ▪ Water Supply Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> <u>EX. WELL</u> 			
<ul style="list-style-type: none"> If Yes: <ul style="list-style-type: none"> ▶ Does approval exist to connect to water main? Yes: <input type="checkbox"/> No: <input type="checkbox"/> ▶ What is the total water capacity at time of application? _____ ▶ What is your anticipated average and maximum daily demand _____ 			
<ul style="list-style-type: none"> ▪ Storm Sewer Yes: <input type="checkbox"/> No: <input type="checkbox"/> ▪ Electric Service Yes: <input type="checkbox"/> No: <input type="checkbox"/> ▪ Gas Service Yes: <input type="checkbox"/> No: <input type="checkbox"/> • Telephone/Cable Lines Yes: <input type="checkbox"/> No: <input type="checkbox"/> 			
For Town of Carmel Town Engineer			
Water Flows <u>NA</u>			
Sewer Flows <u>NA</u>			
<u>9/8/2011</u>			
Town Engineer; Date			
What is the predominant soil type(s) on the site? <u>N/A</u>		What is the approximate depth to water table? <u>7 FT</u>	
Site slope categories:	15-25% <u> </u> %	25-35% <u> </u> %	>35% <u> </u> %
Estimated quantity of excavation:	Cut (C.Y.) <u>0</u>	Fill (C.Y.) <u>0</u>	
Is Blasting Proposed	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>	Unknown: <input type="checkbox"/>
Is the site located in a designated Critical Environmental Area?	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>	
Does a curb cut exist on the site? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Are new curb cuts proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	What is the sight distance? Left <u>7200</u> Right <u>7200</u>	
Is the site located within 500' of:			
• The boundary of an adjoining city, town or village			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
• The boundary of a state or county park, recreation area or road right-of-way			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
• A county drainage channel line.			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
• The boundary of state or county owned land on which a building is located			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>



TOWN OF CARMEL SITE PLAN APPLICATION

Is the site listed on the State or Federal Register of Historic Place (or substantially contiguous) Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the site located in a designated floodplain? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will the project require coverage under the Current NYSDEC Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will the project require coverage under the Current NYCDEP Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site disturb more than 5,000 sq ft	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the site disturb more than 1 acre	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the site contain freshwater wetlands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Jurisdiction: NYSDEC: <input type="checkbox"/> Town of Carmel: <input type="checkbox"/>	
<i>If present, the wetlands must be delineated in the field by a Wetland Professional, and survey located on the Site Plan.</i>	
Are encroachments in regulated wetlands or wetland buffers proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does this application require a referral to the Environmental Conservation Board?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the site contain waterbodies, streams or watercourses? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Are any encroachments, crossings or alterations proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the site located adjacent to New York City watershed lands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the project funded, partially or in total, by grants or loans from a public source? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will municipal or private solid waste disposal be utilized? Public: <input checked="" type="checkbox"/> Private: <input type="checkbox"/>	
Has this application been referred to the Fire Department? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
What is the estimated time of construction for the project? 1 WEEK	

ZONING COMPLIANCE INFORMATION

Zoning Provision	Required	Existing	Proposed
Lot Area	40,000	16,791	16,791
Lot Coverage	30	30	29
Lot Width	200	230	230
Lot Depth	200	200	200
Front Yard	40	8	8
Side Yard	25	1.8	1.8
Rear Yard	30	17	0
Minimum Required Floor Area	5000	4987	5512
Floor Area Ratio	N/A	N/A	N/A
Height	35	<35	<35
Off-Street Parking	23	16	16
Off-Street Loading	1	1	1

TOWN OF CARMEL SITE PLAN APPLICATION

Will variances be required? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	If yes, identify variances: <p style="text-align: center; font-size: 1.2em;">REAR YARD SETBACK 30 FT VARIANCE</p>
PROPOSED BUILDING MATERIALS	
Foundation	} EXISTING
Structural System	
Roof	
Exterior Walls	
APPLICANTS ACKNOWLEDGEMENT	
I hereby depose and certify that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true and correct.	
JOHN BARILE _____ Applicants Name	 _____ Applicants Signature
Sworn before me this <u>2</u> day of <u>Jan</u> 20 <u>19</u>	
 _____ Notary Public	LOUISA SCARANO Notary Public, State of New York Qualified in Putnam County Reg. No. 01SC6146201 My Commission Expires 05-15-20 <u>22</u>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



All Site Plans submitted to the Planning Board for review shall include the following information and details, as set forth in Section 156-61 B of the Town of Carmel Zoning Ordinance.

This form shall be included with the site plan submission

	Requirement Data	To Be Completed by the Applicant	Waived by the Town
1	Name and title of person preparing the site plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Name of the applicant and owner (if different from applicant)	N/A	<input type="checkbox"/>
3	Original drawing date, revision dates, scale and north arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Tax map, block and lot number(s), zoning district	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	All existing property lines, name of owner of each property within a 500' radius of the site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Contour lines at two-foot intervals, grades of all roads, driveways, sanitary and storm sewers	N/A	<input type="checkbox"/> ?
7	The location of all water bodies, streams, watercourses, wetland areas, wooded areas, rights-of-way, streets, roads, highways, railroads, buildings, structures	<input type="checkbox"/> none ✓	<input type="checkbox"/>
8	The location of all existing and proposed easements	<input type="checkbox"/> none ✓	<input type="checkbox"/>
9	The location of all existing and proposed structures, their use, setback dimensions, floor plans, front, side and rear elevations, buildable area.	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
10	On site circulation systems, access, egress ways and service roads, emergency service access and traffic mitigation measures	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
11	Sidewalks, paths and other means of pedestrian circulation	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
12	On-site parking and loading spaces and travel aisles with dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	The location, height and type of exterior lighting fixtures	EX ✓	<input type="checkbox"/>
14	Proposed signage	EX ✓	<input type="checkbox"/>
15	For non-residential uses, an estimate of the number of employees who will be using the site, description of the operation, types of products sold, types of machinery and equipment used	<input checked="" type="checkbox"/>	<input type="checkbox"/>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



	Requirement Data	To Be Completed by the Applicant	Waived by the Town
16	The location of clubhouses, swimming pools, open spaces, parks or other recreational areas, and identification of who is responsible for maintenance	<input type="checkbox"/> N/A ✓	<input type="checkbox"/>
17	The location and design of buffer areas, screening or other landscaping, including grading and water management. A comprehensive landscaping plan in accordance with the Tree Conservation Law	<input type="checkbox"/> EX. ✓	<input type="checkbox"/>
18	The location of public and private utilities, maintenance responsibilities, trash and garbage areas	<input type="checkbox"/> EX ✓	<input type="checkbox"/>
19	A list, certified by the Town Assessor, of all property owners within 500 feet of the site boundary	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
20	Any other information required by the Planning Board which is reasonably necessary to ascertain compliance with this chapter	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>

Applicants Certification (to be completed by the licensed professional preparing the site plan:

I John Karell, Jr. P.E. hereby certify that the site plan to which I have attached my seal and signature, meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:



Professionals Seal

[Signature]

Signature - Applicant

11/26/18

Date

[Signature]

Signature - Owner

11/26/18

Date



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
 CERTIFICATION FORM**



Town Certification (to be completed by the Town)

I _____ hereby confirm that the site plan meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:

Rose Trombetta
 Signature - Planning Board Secretary

9/8/21
 Date

Richard J. [Signature]
 Signature - Town Engineer

9/8/2021
 Date

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. 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.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information			
Name of Action or Project: BARILE SHED CONSTRUCTION			
Project Location (describe, and attach a location map): 361 ROUTE 6, MAHOPAC, NY			
Brief Description of Proposed Action: CONSTRUCTION OF A 16 X 36 SHED AT THE REAR OF THE EXISTING BUILDING AND ATTACHED TO THE EXISTING BUILDING.			
Name of Applicant or Sponsor: BARILE PROPERTY MANAGEMENT, INC		Telephone: 914 774 4653	
		E-Mail: JOHNJBARILE@GMAIL.COM	
Address: 361 ROUTE 6			
City/PO: MAHOPAC		State: NY	Zip Code: 10541
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		0.39 acres	
b. Total acreage to be physically disturbed?		<0.1 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		0.39 acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____			
<input type="checkbox"/> Parkland			

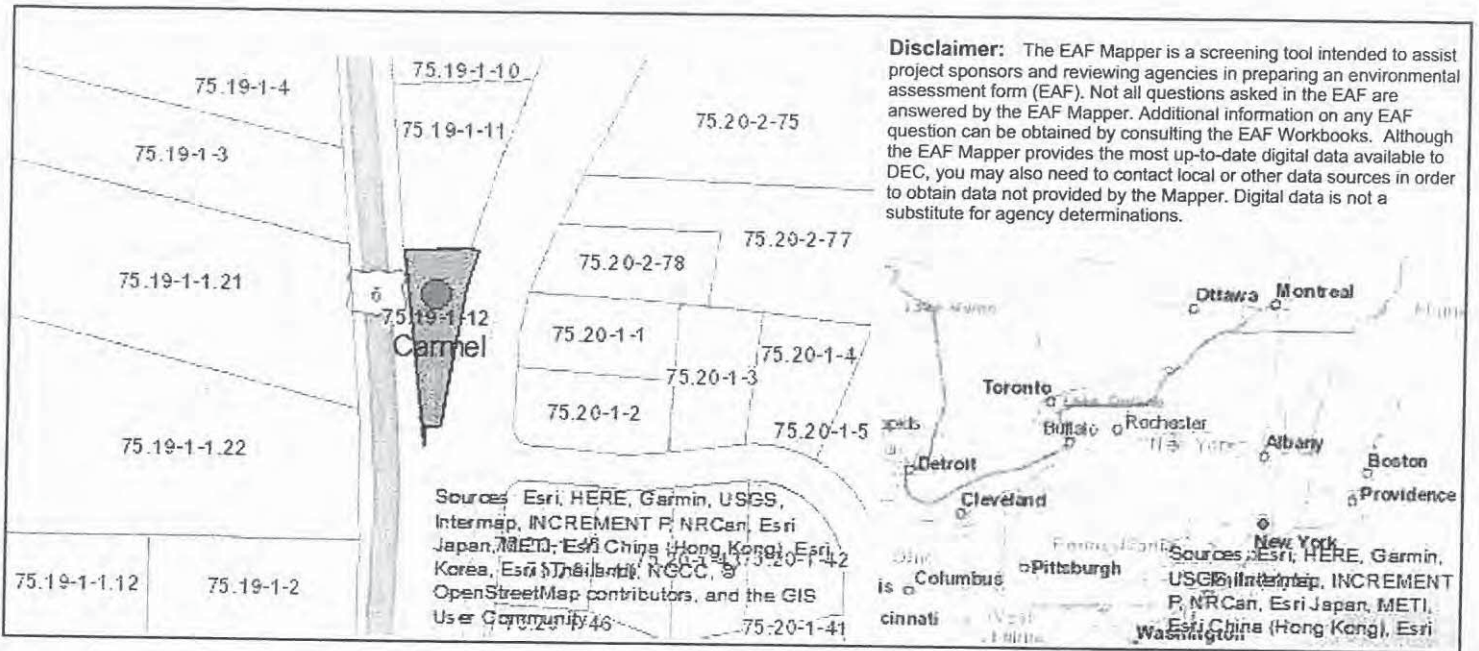
<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>

I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

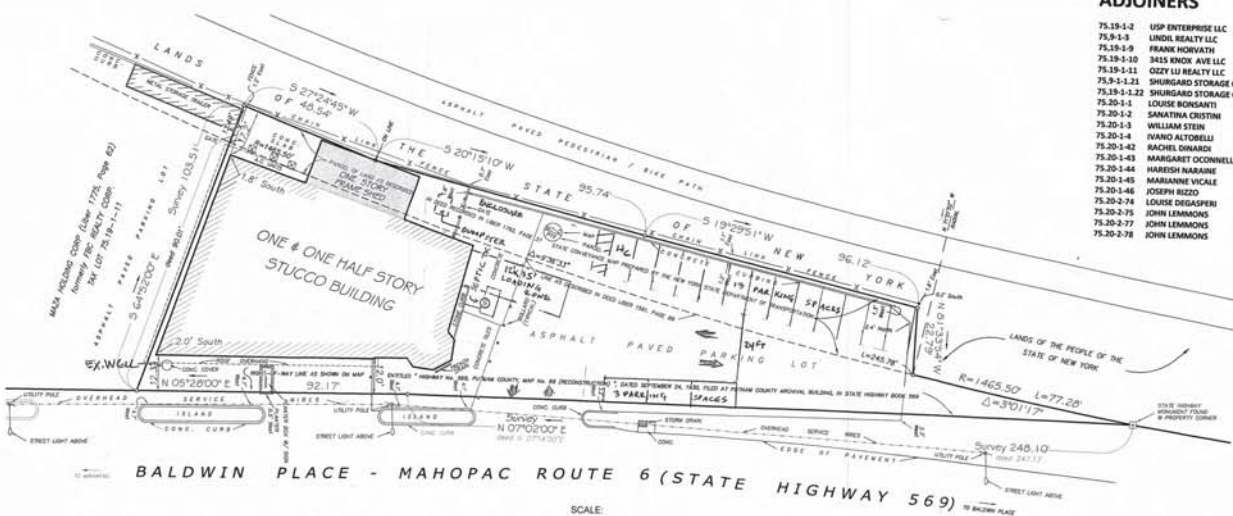
Applicant/sponsor name: JOHN BARILE

Date: NOVEMBER 26, 2018

Signature: 

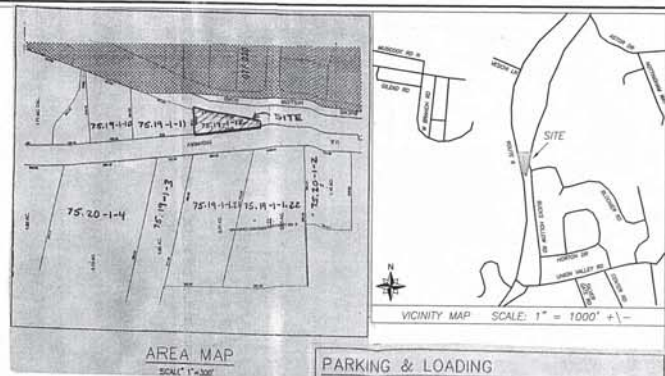


Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National Register of Historic Places]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Northern Long-eared Bat
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No



ADJOINERS

- 75.19-1-2 USP ENTERPRISE LLC
- 75.19-1-3 LINDA REALTY LLC
- 75.19-1-9 FRANK HORVATH
- 75.19-1-10 3415 KNOX AVE LLC
- 75.19-1-11 CZEY LU REALTY LLC
- 75.19-1-12 SHURGRAD STORAGE CENTERS
- 75.19-1-22 SHURGRAD STORAGE CENTERS
- 75.20-1-1 LOUISE BONSANTI
- 75.20-1-2 SAMATHRA CRISTINI
- 75.20-1-3 WILLIAM STEIN
- 75.20-1-4 IVANO ALTORBELLI
- 75.20-1-12 RACHEL DINARDI
- 75.20-1-43 MARGARET O'CONNELL
- 75.20-1-44 HARESH NARAHNE
- 75.20-1-45 MARIANNE VICALE
- 75.20-1-46 JOSEPH RIZZO
- 75.20-2-74 LOUISE DEGASPERI
- 75.20-2-75 JOHN LEMMONS
- 75.20-2-77 JOHN LEMMONS
- 75.20-2-78 JOHN LEMMONS



PARKING & LOADING

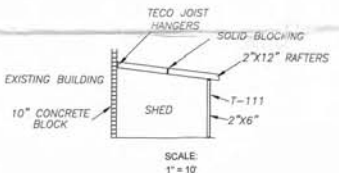
A. PROPOSED FIRST FLOOR (DETAIL SPACE) - 1 PERSON/2000' 4,340 SF/200' = 23 SPACES
 PROPOSED FIRST FLOOR (WAREHOUSE SPACE) - 1 PERSON/FLOOR SF 642 SF/FLOOR = 1 SPACE

TOTAL REQUIRED = 23
 TOTAL PROVIDED = 16

B. LOADING (ADDRESS) - 1 SPACE (LOADING AREA)

ESTIMATED # OF EMPLOYEES ON SITE

FIRST FLOOR - FLOORING BUSINESS = 5 EMPLOYEES
 TOTAL ESTIMATE = 5 EMPLOYEES



ZONING SCHEDULE

	REQUIRED	PROVIDED	VARIANCE
C - COMMERCIAL			
MIN LOT AREA (SF)	40,000	16,791	23,209
MIN LOT WIDTH (FT)	200	230	NONE
MIN LOT DEPTH (FT)	200	200	NONE
MIN YARD DIMENSIONS (FT)			
FRONT	40	8	32
SIDE	25	1.8	23.2
REAR	30	0*	30*
MAX BUILDING HEIGHT (FT)	35	<35	NONE
MAX LOT COVERAGE (%)	30	29	NONE
MIN FLOOR AREA (SF)	5,000	5,512	NONE

* VARIANCE REQUIRED

THE TOWN OF CARMEL ZONING BOARD OF APPEALS HAS APPROVED THE FOLLOWING VARIANCES FOR 361 ROUTE 6, MAHOPAC N.Y. ON APRIL 22, 2010.

MIN. LOT AREA: 23,209 SQ. FT.
 MIN. FRONT YARD: 32 FT.
 MIN. SIDE YARD: 23.2 FT.
 REAR YARD: 13 FT.
 MIN. FLOOR AREA: 13,500 FT.
 PARKING SPACES: 7 SPACES

CARMEL PLANNING BOARD APPROVAL

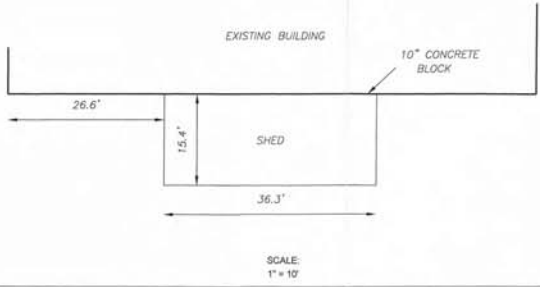
APPROVAL HEREBY GRANTED THIS _____ DAY OF _____ 20____
 IF BUILDING PERMIT IS NOT ISSUED WITHIN 12 MONTHS FROM THE ABOVE DATE THIS APPROVAL BECOMES NULL AND VOID

TOWN OF CARMEL PLANNING BOARD
 SIGNED THIS _____ DAY OF _____ 20____ BY _____

CHAIRMAN _____
 SECRETARY _____

SITE PLAN NOTES:

1. PROPERTY OWNER: JOHN BARILE, 361 ROUTE 6, MAHOPAC, NEW YORK, 12541
2. APPLICANT: SAME
3. APPLICATION IS FOR A 15 X 36 FT SHED ATTACHED TO THE REAR OF THE EXISTING BUILDING
4. PROPOSED USE: COMMERCIAL - C
5. TAX MAP # 75.19-1-12
6. NO SIGNAGE PROPOSED
7. WATER: DRILLED WELL ON SITE
8. SEWAGE DISPOSAL: SEPTIC SYSTEM ON SITE
9. NO EXTERIOR LIGHTING PROPOSED
10. NO NEW UNDERGROUND UTILITIES PROPOSED



ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL. ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL, SIGNATURE AND DATE OF ALTERATION.

JOHN KARELL, JR. P.E.
 121 CUSHMAN ROAD
 PATTERSON, NEW YORK 12563

OWNER: Barile Property Management Inc.
 361 Route 6
 Mahopac, NY 10541

SCALE: AS SHOWN
 DATED: Nov. 18, 2018

LATEST REVISION: SHEET No. S-1

AMENDED SITE PLAN



July 22 , 2021

**SUEZ WATER NEW YORK INC
PFAS COMPLIANCE FOR LONDON BRIDGE WELL SITE**

Narrative Summary

SUEZ Water New York Inc. (SWNY) owns and operates the existing London Bridge well site located in a residential area near 39 Brook Street in Mahopac, Putnam County, New York and serve approximately 65 customers. SWNY plans to construct upgrades to the existing London Bridge well site using the Engineering, Procurement, and Construction (EPC) project delivery method. This method will be utilized to comply with the state drinking water regulations for per - and polyfluoroalkyl substances (PFAS).

The existing facility pump capacity is 60 gallons per minute (gpm). The chemical feed uses Sodium hypochlorite(disinfectant). The onsite controls include the ability to operate the site remotely through the supervisory control and data acquisition SCADA program.

The proposed treatment system will include upsizing the pumps to compensate for headloss during the GAC treatment. It will not increase firm capacity of the well. Raw water will pass through a prefilter unit followed by the granular activated carbon (GAC) treatment system in lead-lag configuration. Water will be dosed with sodium hypochlorite and then routed to the existing 36,000-gallon raw water tank to achieve the proper chlorine contact time. The two existing booster pumps will convey finished water from the 36,000-gallon raw water storage tank to a 25,000 gallon finished water storage tank in the distribution system.

The planned upgrade will not increase the firm capacity of the well, but will add treatment for PFAS to comply with the New York State Drinking Water maximum contaminant level (MCL) of 10 ppt for PFOA and PFOS. The well will remain operational during the course of construction with limited disruption during tying in and testing of the new treatment system.

Architectural treatment/elements will be consistent with the existing visible on-site structures and area residential structures to conform and provide a consistent appearance acceptable to the Owner and be approved by applicable Municipal Agencies and review boards.

All work will be in full conformance with the New York State Department of Environmental Conservation (NYSDEC), New York State and Putnam County Departments of Health, the Town of Carmel, and other authorities having jurisdiction.

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**

Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Re: **Site Plan Application**
SUEZ Water New York, Inc. – London Bridge Well 1 & 2
Proposed Building Materials Narrative

All,

Building Structures were originally proposed to be made of prefabricated metal building, with steel framing, insulated metal wall panels with an exterior color, standing seam roof system, with a cast in place concrete foundation designed to accommodate the load of the building structure, equipment, vessels, and all other loads impacting the foundation.

Due to extensive lead time delays for fabrication of the originally proposed means of designing, fabricating, and erecting the building, we are currently exploring other material options for the building to better meet schedule requirements.

At this time, the building materials are yet to be determined, but we are currently in the process of finalizing our alternative options.

Sincerely,
J. Fletcher Creamer & Son, Inc.

Copy to:

101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901

JFCSON.COM



TOWN OF CARMEL
**SITE PLAN APPLICATION
 INSTRUCTIONS**



London Bridge Well

The Town of Carmel Planning Board meetings are held twice a month, on the second and fourth Wednesday's, at 7:00 PM at Carmel Town Hall, 60 McAlpin Avenue, Carmel

The submission deadline is 10 days prior to the Planning Board meeting. New site plan applications that have been deemed complete will be placed on the agenda in the order they are received.

No application will be placed on the agenda that is incomplete

Pre-Submission:

Prior to the formal submission of the site plan, a pre-submission conference may be requested by the applicant to be conducted with representatives from the Town, which may include the Town Planner, Town Engineer, Director of Code Enforcement and/or the Planning Board Attorney. This conference will serve to educate the applicant on the process he/she must follow, clarify the information required to submit a complete site plan application, and to highlight any specific areas of concern. You may arrange a pre-submission conference through the Planning Board Secretary at (845) 628-1500 extension 190.

Submission Requirements:

At least 10 days prior to the Planning Board meeting, the site plan application shall be submitted to the Planning Board Secretary as follows:

All site plans shall be signed, sealed and folded with the title box legible. The application package shall include:

- 11 copies of the Site Plan Application Form, signed and notarized.
- 11 copies of the SEQR Environmental Assessment Form (use of short form or long form shall be determined at pre-submission conference).
- 5 full size sets of the Site Plan (including floor plans and elevations)
- 1 CD (in pdf. format) containing an electronic version of the Site Plan
- 2 copies of the Disclosure Statement
- 11 copies of the Site Plan Completeness Certification Form
- All supplemental studies, reports, plans and renderings.
- 2 copies of the current deed.
- ^{VA} 2 copies of all easements, covenants and restrictions.
- The appropriate fee, determined from the attached fee schedule. Make checks payable to the *Town of Carmel*.

Rose Lombetta 8/31/21
 Planning Board Secretary; Date

Richard [Signature] 8/31/2021
 Town Engineer; Date



TOWN OF CARMEL SITE PLAN APPLICATION



Per Town of Carmel Code – Section 156 - Zoning

SITE IDENTIFICATION INFORMATION		
Application Name: SUEZ Water New York, Inc. – London Bridge Well 1 & 2	Application # 21-0010	Date Submitted: August 27, 2021
Site Address: No. 39 Street: Brook Street Hamlet: Mahopac		
Property Location: <i>(Identify landmarks, distance from intersections, etc.)</i> Located in a residential area, west off of Brook Street.		
Town of Carmel Tax Map Designation: Section 64.7 Block 1 Lot(s) 10	Zoning Designation of Site: Zone "R" and District "C1"	
Property Deed Recorded in County Clerk's Office Date 10/23/20 Liber 2069 Page 379	Liens, Mortgages or other Encumbrances Yes <input checked="" type="radio"/> No	
Existing Easements Relating to the Site <input checked="" type="radio"/> No Yes Describe and attach copies:	Are Easements Proposed? <input checked="" type="radio"/> No Yes Describe and attach copies:	
Have Property Owners within a 500' Radius of the Site Been Identified? <input checked="" type="radio"/> Yes No Attached List to this Application Form		
APPLICANT/OWNER INFORMATION		
Property Owner: SUEZ Water New York, Inc	Phone #: 845-620-3319 Fax#:	Email: steven.garabed@suez.com
Owners Address: No. 162 Street: Old Mill Road Town: West Nyack State: NY Zip: 10994		
Applicant (If different than owner): APPLICANT IS THE SAME AS OWNER	Phone #: Fax#:	Email:
Applicant Address (If different than owner): APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
Individual/ Firm Responsible for Preparing Site Plan: John Atzl - Atzl, Nasher & Zigler, PC	Phone #: (845) 634 4694 Fax#: (845) 634 5543	Email: jatzl@anzny.com
Address: No. 234 Street: North Main Street Town: New City State: NY Zip: 10956		
Other Representatives:	Phone #: Fax#:	Email:
Owners Address: APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
PROJECT DESCRIPTION		
Describe the project, proposed use and operation thereof: SUEZ is proposing the construction of upgrades at their existing London Bridge well site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		

TOWN OF CARMEL SITE PLAN APPLICATION

PROJECT INFORMATION			
Lot size: <i>Acres:</i> 1.51 <i>Square Feet:</i> 65,900		Square footage of all existing structures (by floor): 375 SQ. FT.	
# of existing parking spaces: 0		# of proposed parking spaces: 0	
# of existing dwelling units: 0		# of proposed dwelling units: 0	
Is the site served by the following public utility infrastructure:			
<ul style="list-style-type: none"> ▪ Is project in sewer district or will private septic system(s) be installed? <u>No</u> ▪ If yes to Sanitary Sewer answer the following: <ul style="list-style-type: none"> <li style="color: red;">No connection to the sanitary sewer will be needed ▶ Does approval exist to connect to sewer main? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▶ Is this an in-district connection? <u>NA</u> Out-of district connection? <u>NA</u> ▶ What is the total sewer capacity at time of application? <u>NA</u> ▶ What is your anticipated average and maximum daily flow <u>NA</u> 			
<i>For Town of Carmel Town Engineer</i>			
▶ What is the sewer capacity <u>NA RJP 8/31/2021</u>			
<ul style="list-style-type: none"> ▪ Water Supply Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> 		<ul style="list-style-type: none"> <li style="color: red;">No drinking water will be used 	
If Yes:			
<ul style="list-style-type: none"> ▶ Does approval exist to connect to water main? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> ▶ What is the total water capacity at time of application? <u>NA</u> ▶ What is your anticipated average and maximum daily demand <u>NA</u> 			
<ul style="list-style-type: none"> ▪ Storm Sewer Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 			
<ul style="list-style-type: none"> ▪ Electric Service Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> 			
<ul style="list-style-type: none"> ▪ Gas Service Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 			
<ul style="list-style-type: none"> ▪ Telephone/Cable Lines Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 			
<i>For Town of Carmel Town Engineer</i>			
Water Flows <u>RJP NA 8/31/2021</u>			
Sewer Flows <u>RJP NA 8/31/2021</u>			
<u> </u>			
<u> </u>			
Town Engineer; Date			
What is the predominant soil type(s) on the site?		What is the approximate depth to water table?	
ChC - 35% Ce -18% CrC - 31% CsD - 16%		over 6 ft.	
Site slope categories: 15-25% <u>27</u> % 25-35% <u>7</u> % >35% <u>8</u> %			
Estimated quantity of excavation: Cut (C.Y.) <u>103</u> Fill (C.Y.) <u>1,027</u>			
Is Blasting Proposed Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Unknown: <input type="checkbox"/>			
Is the site located in a designated Critical Environmental Area? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Does a curb cut exist on the site? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>		Are new curb cuts proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
		What is the sight distance? Left <u>N/A</u> Right <u>N/A</u>	
Is the site located within 500' of:			
• The boundary of an adjoining city, town or village			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
• The boundary of a state or county park, recreation area or road right-of-way			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
• A county drainage channel line.			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
• The boundary of state or county owned land on which a building is located			Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>


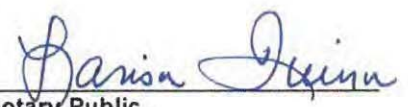
TOWN OF CARMEL SITE PLAN APPLICATION

Is the site listed on the State or Federal Register of Historic Place (or substantially contiguous) Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the site located in a designated floodplain? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will the project require coverage under the Current NYSDEC Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will the project require coverage under the Current NYCDEP Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site disturb more than 5,000 sq ft - N/A	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Does the site disturb more than 1 acre - N/A	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the site contain freshwater wetlands? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Jurisdiction: NYSDEC: <input checked="" type="checkbox"/> Town of Carmel: <input checked="" type="checkbox"/>	
<i>If present, the wetlands must be delineated in the field by a Wetland Professional, and survey located on the Site Plan.</i>	
Are encroachments in regulated wetlands or wetland buffers proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does this application require a referral to the Environmental Conservation Board?	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Does the site contain waterbodies, streams or watercourses? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Are any encroachments, crossings or alterations proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the site located adjacent to New York City watershed lands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the project funded, partially or in total, by grants or loans from a public source? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will municipal or private solid waste disposal be utilized? Public: <input type="checkbox"/> Private: <input checked="" type="checkbox"/>	
Has this application been referred to the Fire Department? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
What is the estimated time of construction for the project? 12 months	

ZONING COMPLIANCE INFORMATION			
Zoning Provision	Required	Existing	Proposed
Lot Area	120,000 SQ. FT.	60,886 SQ. FT.	60,886 SQ. FT.
Lot Coverage	0.15	<0.01	0.02
Lot Width	200 FT.	385 FT.	385 FT.
Lot Depth	-	-	-
Front Yard	40 FT.	9.3 FT.	33 FT. *
Side Yard	25 FT.	178 FT.	74 FT.
Rear Yard	40 FT.	181 FT.	75 FT.
Minimum Required Floor Area	-	-	-
Floor Area Ratio	-	-	-
Height	35 FT.	3 FT.	22 FT.
Off-Street Parking	2	0	0
Off-Street Loading	-	-	-

* Denotes variance required

TOWN OF CARMEL SITE PLAN APPLICATION

Will variances be required? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	If yes, identify variances: Minimum front yard
PROPOSED BUILDING MATERIALS - N/A	
Foundation	
Structural System	See attached narrative for proposed materials
Roof	
Exterior Walls	
APPLICANTS ACKNOWLEDGEMENT	
I hereby depose and certify that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true and correct.	
Christopher Graziano, General Manager SUEZ Water New York Inc.	
Applicants Name	Applicants Signature
Sworn before me this _____	18 TH day of AUGUST 2021
 Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> LARISA QUINN Notary Public, State of New York No. 01QU6382297 Qualified in Rockland County Commission Expires October 22, 2022 </div>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



All Site Plans submitted to the Planning Board for review shall include the following information and details, as set forth in Section 156-61 B of the Town of Carmel Zoning Ordinance.

This form shall be included with the site plan submission

	<i>Requirement Data</i>	<i>To Be Completed by the Applicant</i>	<i>Waived by the Town</i>
1	Name and title of person preparing the site plan	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
2	Name of the applicant and owner (if different from applicant)	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
3	Original drawing date, revision dates, scale and north arrow	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
4	Tax map, block and lot number(s), zoning district	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
5	All existing property lines, name of owner of each property within a 500' radius of the site	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
6	Contour lines at two-foot intervals, grades of all roads, driveways, sanitary and storm sewers	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
7	The location of all water bodies, streams, watercourses, wetland areas, wooded areas, rights-of-way, streets, roads, highways, railroads, buildings, structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	The location of all existing and proposed easements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	The location of all existing and proposed structures, their use, setback dimensions, floor plans, front, side and rear elevations, buildable area.	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
10	On site circulation systems, access, egress ways and service roads, emergency service access and traffic mitigation measures	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
11	Sidewalks, paths and other means of pedestrian circulation	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>
12	On-site parking and loading spaces and travel aisles with dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	The location, height and type of exterior lighting fixtures	<input type="checkbox"/>	<input type="checkbox"/>
14	Proposed signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	For non-residential uses, an estimate of the number of employees who will be using the site, description of the operation, types of products sold, types of machinery and equipment used	<input checked="" type="checkbox"/> ✓	<input type="checkbox"/>



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
 CERTIFICATION FORM**



	Requirement Data	To Be Completed by the Applicant	Waived by the Town
16	The location of clubhouses, swimming pools, open spaces, parks or other recreational areas, and identification of who is responsible for maintenance	<input checked="" type="checkbox"/> <i>NA</i>	<input type="checkbox"/>
17	The location and design of buffer areas, screening or other landscaping, including grading and water management. A comprehensive landscaping plan in accordance with the Tree Conservation Law	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	The location of public and private utilities, maintenance responsibilities, trash and garbage areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	A list, certified by the Town Assessor, of all property owners within 500 feet of the site boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	Any other information required by the Planning Board which is reasonably necessary to ascertain compliance with this chapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Applicants Certification (to be completed by the licensed professional preparing the site plan:

I John Atzl hereby certify that the site plan to which I have attached my seal and signature, meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:



Signature - Applicant _____ Date _____
[Handwritten Signature]
 Signature - Owner _____ Date _____



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
CERTIFICATION FORM**



Town Certification (to be completed by the Town)

I _____ hereby confirm that the site plan meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:

Rose Grimaldi
Signature - Planning Board Secretary

8/31/2021
Date

Richard J. Ingraham
Signature - Town Engineer

8/31/2021
Date

Full Environmental Assessment Form
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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SUEZ Water New York, Inc. – London Bridge Well 1 & 2		
Project Location (describe, and attach a general location map): 39 Brook Street in the Town of Carmel, Putnam County		
Brief Description of Proposed Action (include purpose or need): SUEZ Water is proposing the construction of upgrades at their existing London Bridge Well 1 & 2 site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		
Name of Applicant/Sponsor: SUEZ Water New York, Inc.		Telephone: 845-620-3319 E-Mail: steven.garabed@suez.com
Address: 162 Old Mill Road		
City/PO: West Nyack	State: NY	Zip Code: 10994
Project Contact (if not same as sponsor; give name and title/role): John Atzl - Atzl, Nasher & Zigler, PC		Telephone: 845-634-4694 E-Mail: jatzl@anzny.com
Address: 234 North Main Street		
City/PO: New City	State: NY	Zip Code: 10956
Property Owner (if not same as sponsor): PROPERTY OWNER IS THE SAME AS APPLICANT		Telephone: E-Mail:
Address:		
City/PO:	State:	Zip Code:

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 Counsel, Town Board, <input type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Planning Board - Site Plan and Conditional Use Approval	August 2021
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Zoning Board - variance	August 2021
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Building Department - Building Permit, Sewer Connection Permit	August 2021
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Putnam County Department of Health	August 2021
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources. i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? YesNo

- 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? YesNo

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? YesNo

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?) YesNo

If Yes, identify the plan(s):

NYC Watershed Boundary _____

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? YesNo

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?
Residential District

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? Mahopac Central School District

b. What police or other public protection forces serve the project site?
Town of Carmel Police Department

c. Which fire protection and emergency medical services serve the project site?
Mahopac Volunteer Fire Department

d. What parks serve the project site?
Airport Field, Sycamore Town Park

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)? Industrial Water Treatment and Supply

b. a. Total acreage of the site of the proposed action? _____ 1.61 acres
b. Total acreage to be physically disturbed? _____ 0.26 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 1.61 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)? % 194 Units: 726 sq. ft.

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 the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: _____ 12 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

* Calculation: [Proposed building expansion (sq ft)/ Existing building (sq ft)] X 100
(726 sq. ft. proposed building /375 sq. ft. existing building) X 100

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

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
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 _____ 1

ii. Dimensions (in feet) of largest proposed structure: _____ 22 height; _____ 22 width; and _____ 33 length

iii. Approximate extent of building space to be heated or cooled: _____ 726 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? Yes No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

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 the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the 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), what is the 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 a 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 the 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)
 Construction equipment and vehicles _____
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 Power generation _____
 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 (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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 truck trips/day and type (e.g., semi trailers and dump trucks): _____

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 1/2 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: _____
16,335 kWh*

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

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 6PM • Saturday: _____ 8AM - 6PM • Sunday: _____ 8AM - 6PM • Holidays: _____ CLOSED 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours/day • Saturday: _____ 24 hours/day • Sunday: _____ 24 hours/day • Holidays: _____ 24 hours/day
---	---

*The average number of kilowatt hours per square foot for a commercial building is approximately 22.5. (Source: Iota Communications.com). The proposed building is 726 sq. ft.

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:
 The operation of construction equipment will increase local daytime ambient noise levels. This will only occur during permitted hours of operation and the resulting noise will cease upon completion of the project.

ii. Will the 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:
 See Lighting Plan _____

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 _____
 ii. Volume(s) _____ per unit time _____ (e.g., month, year)
 iii. Generally, describe the proposed storage facilities: _____

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 the 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): Industrial Water Treatment and Supply
 ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Coverture	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.07	0.2	+ 0.13
• Forested	1.34	1.21	- 0.13
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.02	0.02	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.05	0.05	0
• Wetlands (freshwater or tidal)	0.13	0.13	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• 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: _____

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): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control 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): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

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? _____ > 6.5 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:

CrC - Charlton-Chatfield complex	_____	31 %
ChC - Charlton fine sandy loam	_____	35 %
Ce - Catden muck	_____	18 %
CsD - Chatfield-Charlton complex	_____	16 %

d. What is the average depth to the water table on the project site? Average: _____ > 6 feet

e. Drainage status of project site soils: Well Drained: _____ 82 % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained _____ 18 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 46 % of site
 10-15%: _____ 12 % of site
 15% or greater: _____ 42 % 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 _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland Approximate Size _____
- Wetland No. (if regulated by DEC) OL-18 _____

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: _____

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Squirrel _____</td> <td style="width: 33%;">Raccoon _____</td> <td style="width: 33%;">_____</td> </tr> <tr> <td>Deer _____</td> <td>Possum _____</td> <td>_____</td> </tr> <tr> <td>Rabbit _____</td> <td>Fox _____</td> <td>_____</td> </tr> </table>		Squirrel _____	Raccoon _____	_____	Deer _____	Possum _____	_____	Rabbit _____	Fox _____	_____
Squirrel _____	Raccoon _____	_____								
Deer _____	Possum _____	_____								
Rabbit _____	Fox _____	_____								
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p> <p>_____</p>										
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p> <p>_____</p>										
<p>E.3. Designated Public Resources On or Near Project Site</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>										
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>										
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>										
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>										

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? Yes No
 If Yes:
 i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District
 ii. Name: _____
 iii. Brief description of attributes on which listing is based: _____

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 five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No
 If Yes:
 i. Identify resource: State Scenic Byway
 ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Taconic State Parkway
 iii. Distance between project and resource: _____ 2 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

* A submission has been made to the State Historic Preservation Office (SHPO) to gain input.

F. Additional Information

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

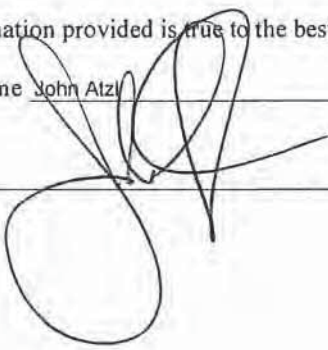
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

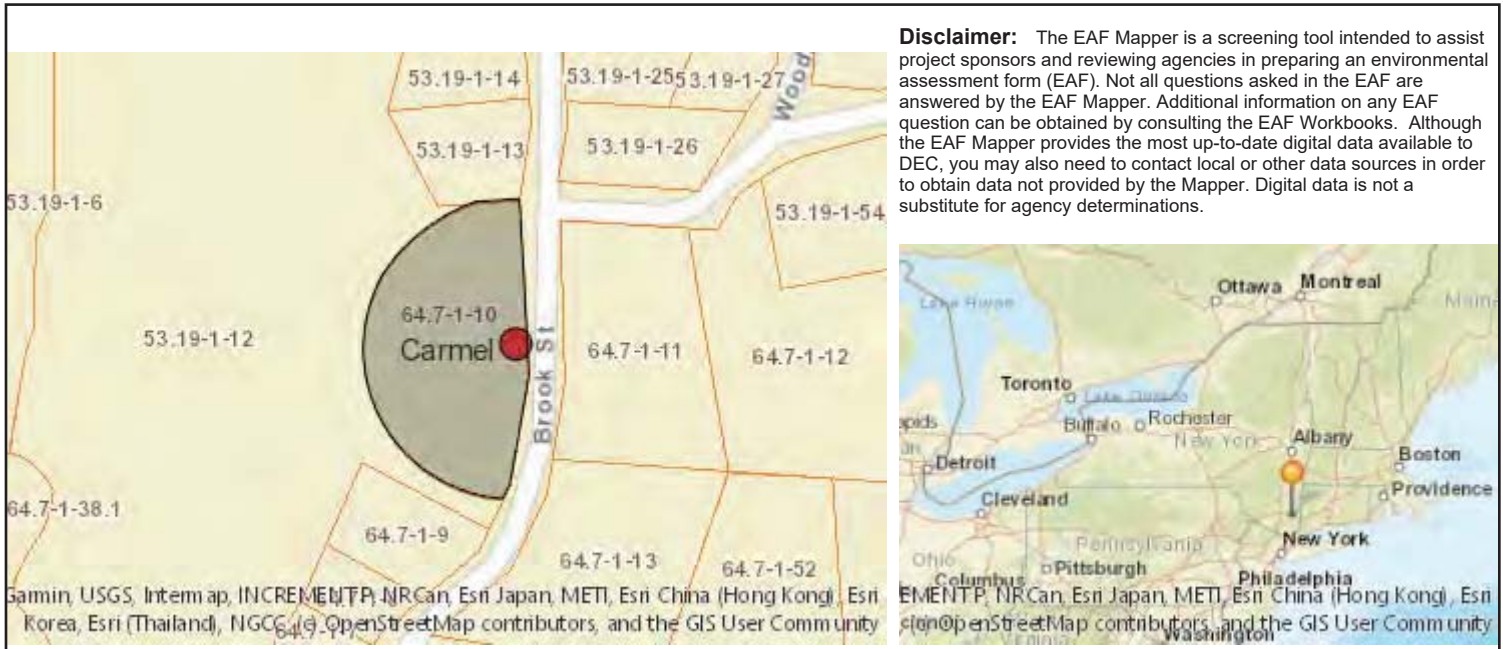
I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name John Atzl Date August 27, 2021

Signature _____ Title Land Surveyor



PRINT FORM



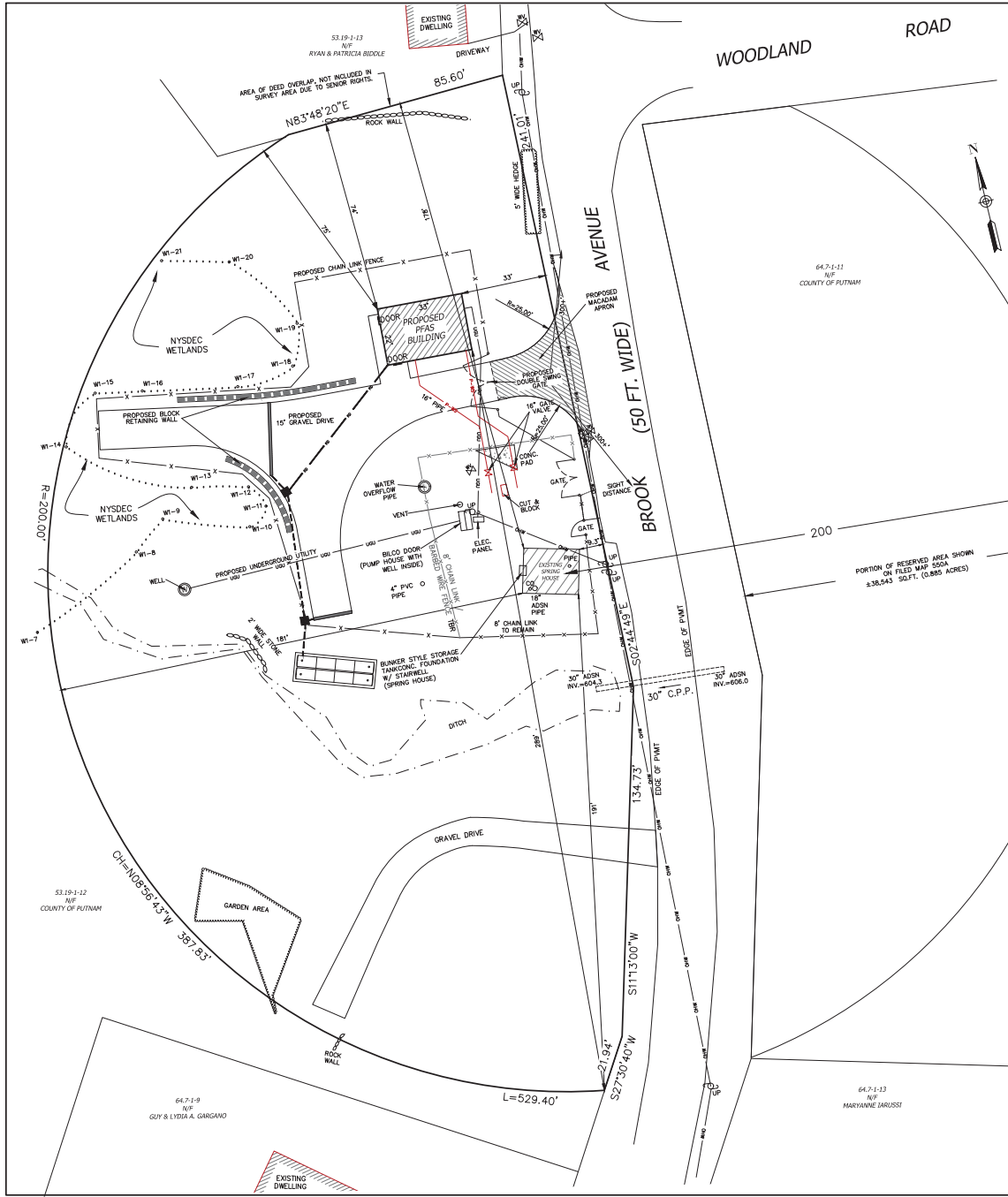
Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the 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]	No
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]	NYC Watershed Boundary
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
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 - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):200.4
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	OL-18
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No

E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
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 or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No







- OWNERS WITHIN 500 FEET:**
- | | | | |
|------------|--|-----------|---|
| 53.19-1-12 | TOWN OF CARMEL, TAX MAP PUTNAM COUNTY 40 GLENEDA AVENUE CARMEL, NY 10512 | 64.7-1-6 | JOHN R. & DONNA M. CAPELLI 16 BROOK STREET MAHOPAC, NY 10541 |
| 53.19-1-13 | RYAN & PATRICIA BIDDLE 51 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-7 | GIY & LYDIA A. GARGANO 29 BROOK STREET MAHOPAC, NY 10541 |
| 53.19-1-14 | JAMES SULLIVAN 55 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-8 | GIY & LYDIA A. GARGANO 29 BROOK STREET MAHOPAC, NY 10541 |
| 53.19-1-15 | ANDREW & WARENY YURKO 59 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-9 | GIY & LYDIA A. GARGANO 29 BROOK STREET MAHOPAC, NY 10541 |
| 53.19-1-16 | CHRISTOPHER & HANAN L. HOLLOWAY 63 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-11 | PUTNAM COUNTY 40 GLENEDA AVENUE CARMEL, NY 10512 |
| 53.19-1-17 | NICHOLAS P. DIMAPOLI & CARA A. STRPE 67 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-12 | CAVA CO. LLC c/o JOSEPH ZANEZAND 5 WAYNE COURT ARSLEY, NY 10502 |
| 53.19-1-23 | CEHARD T. KEENING 419 WOODLAND DRIVE MAHOPAC, NY 10541 | 64.7-1-13 | MARYANNE HARBUS 30 BROOK STREET MAHOPAC, NY 10541 |
| 53.19-1-24 | MICHAEL, ROSEMARIE & MARK FANELLI 64 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-14 | ESSICA STOOK 112 MAURICE DRIVE MAHOPAC, NY 10541 |
| 53.19-1-25 | CHARLES & DONNA BORDAN 56 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-16 | JOHN R. & DONNA M. CAPELLI 16 BROOK STREET MAHOPAC, NY 10541 |
| 53.19-1-26 | DIETMAR H. & DIANE HUMMEL 50 BROOK STREET MAHOPAC, NY 10541 | 64.7-1-17 | ESSICA STOOK 112 MAURICE DRIVE MAHOPAC, NY 10541 |
| 53.19-1-27 | JOHN & KATHARINE SCALA 415 WOODLAND DRIVE MAHOPAC, NY 10541 | 64.7-1-51 | RICHARD & GERALDINE FINAN 17 RACONER LANE MAHOPAC, NY 10541 |
| 53.19-1-33 | JANE M. & SCOTT A. INBRO 13 SOMERSET ROAD MAHOPAC, NY 10541 | 64.7-1-52 | SUSAN L. & HDL S. BELLOFF 13 RACONER LANE MAHOPAC, NY 10541 |
| 53.19-1-54 | IAN & NANCY J. WILSON 8 SOMERSET ROAD MAHOPAC, NY 10541 | | |

- PLAN NOTES:**
- OWNER/APPLICANT: SUEZ WATER NEW YORK, INC. 162 OLD MILL ROAD WEST NYACK, NY 10994
 - BOUNDARY AND SITE INFORMATION TAKEN FROM A SURVEY PREPARED BY ATZL, NASHER AND ZIGLER, P.C.
 - THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 36079C019E DATED 3/4/2013.
 - TOPOGRAPHY ELEVATIONS SHOWN ARE GENERALLY IN ACCORDANCE WITH NAVD 1988 DATUM.
 - SITE ADDRESS: 39 BROOK STREET MAHOPAC, NY 10541
 - EXISTING USE: COMMERCIAL WATER SUPPLY
 - ALL UTILITIES ARE ABOVE GRADE.

DISTRICT REGULATIONS:

ZONE	"R"	DISTRICT	"C1"	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA				120,000 SQ.FT.	60,886 SQ.FT.	60,886 SQ.FT.
MINIMUM LOT WIDTH				200 FT.	385 FT.	385 FT.
MINIMUM STREET FRONTAGE (ON TOWN ROAD)				100 FT.	392 FT.	392 FT.
MINIMUM STREET FRONTAGE (ON CUL-DE-SAC)				50 FT.	N/A	N/A
MINIMUM FRONT YARD				40 FT.	9.3 FT.	33 FT. *
MINIMUM SIDE YARD				25 FT.	178 FT.	74 FT.
MINIMUM TOTAL SIDE YARD				50 FT.	369 FT.	363 FT.
MINIMUM REAR YARD				40 FT.	181 FT.	75 FT.
MAXIMUM BUILDING HEIGHT				35 FT.	3 FT.	22 FT.
MAXIMUM LOT COVERAGE				0.15	<0.01	0.02
MINIMUM LANDSCAPE BUFFER				10 FT.	10 FT.	10 FT.

* = DENOTES VARIANCE REQUIRED CONDITIONAL USE APPROVAL FROM PLANNING BOARD REQUIRED.

NET LOT AREA CALCULATIONS:
 GROSS LOT AREA = 65,900 SQ.FT.
 LESS AREA OF WETLANDS = 5,614 SQ.FT.
 NET LOT AREA = 60,286 SQ.FT.

PARKING REQUIREMENTS:
 1 SPACE/EMPLOYEE
 1 SPACE/RECREATION VEHICLE
 NO LESS THAN 2 SPACES/REQUIRED

FLOOD HAZARD:
 THE SURVEYED LOT IS SITUATED IN "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS DESIGNATED BY FEMA PER FIRM MAP NO. 36079C019E, WITH AN EFFECTIVE DATE OF MARCH 4, 2013.

NOTE:
 UTILITY LOCATIONS ARE BASED ON ABOVE-GROUND OBSERVATIONS & UTILITY MARKOUPS AT THE TIME OF FIELD SURVEY. THE TYPE AND LOCATION OF UTILITIES ARE NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE.

SUBDIVISION REFERENCES:
 "MAP OF LONDON BRIDGE ACRES-SECTION 2" FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON NOVEMBER 3, 1954, AS MAP NO. 550A.
 "MAP OF BROOK AVENUE PORTION AS SHOWN ON MAP OF LONDON BRIDGE ACRES" FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON MARCH 24, 1953, AS MAP NO. 690.

TAX MAP REFERENCE:
 TOWN OF CARMEL, TAX MAP SECTION 64.7, BLOCK 1, LOT 10
OWNER & APPLICANT:
 SUEZ WATER NEW YORK, INC. 162 OLD MILL ROAD WEST NYACK, NY 10994
SITE ADDRESS:
 39 BROOK AVENUE MAHOPAC, NY 10541
AREA:
 75,132 SQ.FT. 1.610 ACRES

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT NO PERSON SHALL PREPARE ANY ARCHITECTURAL DRAWING OR ENGINEERING DRAWING UNLESS HE OR SHE IS A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. ANY PERSON WHO PREPARES SUCH DRAWINGS WITHOUT BEING A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT IS VIOLATING THE EDUCATION LAW OF THE STATE OF NEW YORK. THE PROFESSIONAL ENGINEER OR ARCHITECT SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE ATTENTION TO BE GIVEN TO ALL THE SPECIFICATIONS AND CONDITIONS OF THE EDUCATION LAW SECTION 709(2-b).

ANY UNAUTHORIZED ALTERATION OF ADDITIONS TO A SURVEY MAP BEARING A LICENSE AND SIGNATURE EMPLOYED BY THE PROFESSIONAL ENGINEER OR ARCHITECT IN CONNECTION WITH THE PREPARATION OF ANY SURVEY MAP SHALL BE CONSIDERED TO BE A VIOLATION OF THE EDUCATION LAW OF THE STATE OF NEW YORK.

ONLY COPIES FROM THE ORIGINAL RECORD OF THE SURVEY MAP BEARING THE LICENSED PROFESSIONAL ENGINEER'S OR ARCHITECT'S SIGNATURE SHALL BE CONSIDERED TO BE VALID FOR THE PURPOSES OF THE EDUCATION LAW OF THE STATE OF NEW YORK.

STATE OF NEW YORK
 DEPARTMENT OF STATE
 DIVISION OF SURVEYS
 N.Y.S. PROFESSIONAL ENGINEER
 N.Y.S. PROFESSIONAL ARCHITECT

DRAWING LIST:

TITLE:	DATE:
1. SITE PLAN	JULY 20, 2021
2. EXISTING CONDITION	JULY 20, 2021
3. GRADING PLAN	JULY 20, 2021
4. EROSION & SEDIMENT CONTROL PLAN	JULY 20, 2021
5. TREE & LANDSCAPE PLAN	JULY 20, 2021
6. LIGHTING PLAN	JULY 20, 2021



VICINITY MAP
 SCALE: 1"=300'

- LEGEND**
- EXISTING 2" CONTOUR
 - EXISTING 10" CONTOUR
 - EXISTING WATERLINE
 - EXISTING FIRE HYDRANT
 - EXISTING GAS LINE
 - EXISTING CATCH-BASIN
 - EXISTING STORM DRAIN
 - EXISTING SEWER MANHOLE
 - EXISTING SPOT ELEVATION
 - EXISTING SEWER LINE
 - EXISTING TELECOMMUNICATION LINE
 - EXISTING STONEWALL
 - EXISTING CHAIN LINK FENCE
 - EXISTING OVERHEAD WIRES
 - EXISTING ELECTRIC LINE
 - EXISTING SIGN
 - EXISTING LIGHT POLE
 - EXISTING UTILITY POLE
 - EXISTING WATER VALVE
 - EXISTING GAS VALVE
 - PROPOSED WATERLINE
 - PROPOSED SEWER LINE
 - PROPOSED UNDERGROUND ELECTRIC & GAS
 - PROPOSED CATCH BASIN
 - PROPOSED ROOF DRAIN
 - PROPOSED STORM DRAIN
 - PROPOSED SUPER SALT FENCE
 - PROPOSED SALT FENCE

DATUM:
 VERTICAL: NAVD 1988
 HORIZONTAL: NAD 1983, NEW YORK STATE PLUME COORDINATE SYSTEM, EAST ZONE

REVISION DATE DESCRIPTION

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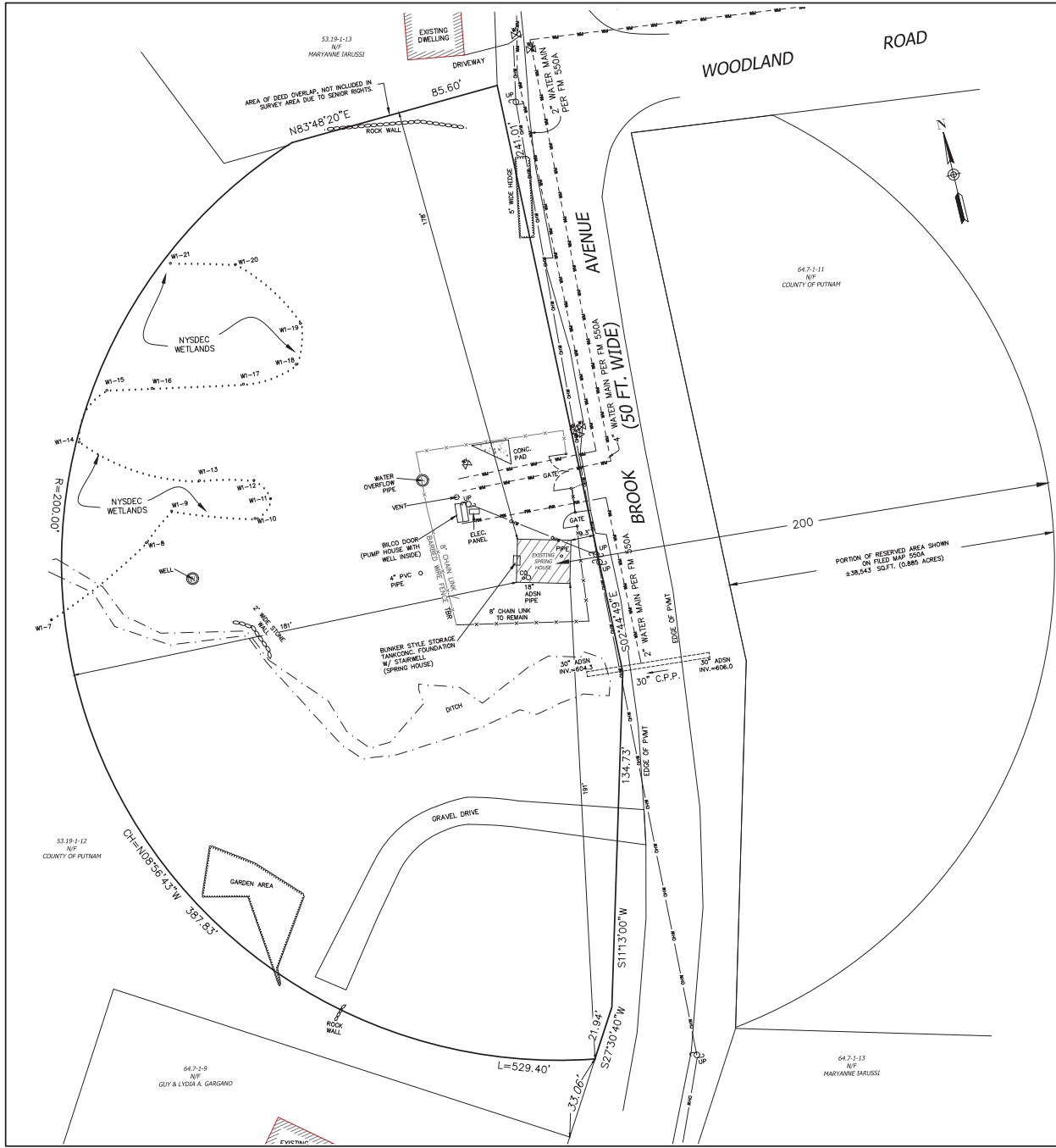
ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 838 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-5543
 E-mail: info@atnzny.com
 Web: www.atnzny.com

PROJECT:
 SUEZ WATER NEW YORK, INC.
 LONDON BRIDGE WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

SITE PLAN

DRAWN BY: IS **CHECKED BY:** JRA
DATE: JULY 20, 2021 **SCALE:** 1 IN. = 20 FT.
PROJECT NO.: 4872 **DRAWING NO.:** 1



LEGEND

---	EXISTING 2' CONTOUR
---	EXISTING 10' CONTOUR
---	EXISTING WATERLINE
---	EXISTING FIRE HYDRANT
---	EXISTING GAS LINE
---	EXISTING CATCH BASIN
---	EXISTING STORM DRAIN LINE
---	EXISTING SENSER MANHOLE
---	EXISTING SENSER LINE
---	EXISTING SPOT ELEVATION
---	EXISTING STONEWALL
---	EXISTING CHAIN LINK FENCE
---	EXISTING OVERHEAD WIRING
---	EXISTING TELECOMMUNICATION LINE
---	EXISTING ELECTRIC LINE
---	EXISTING SIGN
---	EXISTING LIGHT POLE
---	EXISTING UTILITY POLE
---	EXISTING WATER VALVE
---	EXISTING GAS VALVE

REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
 832 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-5543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

PROJECT:
SUEZ WATER NEW YORK, INC.
LONDON BRIDGE WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE:
EXISTING CONDITION

DRAWN BY: IS	CHECKED BY: JRA
DATE: JULY 20, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4872	DRAWING NO: 2



"UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSE AND SURVEYOR'S EMBROIDERED SEAL IS A VIOLATION OF SECTION 2008, SUBSECTION 2, OF THE NEW YORK STATE EDUCATION LAW."
 "ONLY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LICENSE SURVEYOR'S EMBROIDERED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES."
 "CERTIFICATION INDICATED HEREIN ON BEHALF OF THIS SURVEYOR HAS BEEN PREPARED BY THE PRACTICE FOR LAND SURVEYORS ADOPTED BY THE SURVEYORS ASSOCIATION AND CERTIFICATIONS SHALL RUN ONLY TO CHIEF SURVEYOR'S EMBROIDERED SEAL. NO INSTITUTION FOR WHICH THIS SURVEY WAS PREPARED, CERTIFICATION OR PROFESSIONAL RESTRICTIONS, THEIR SUCCESSORS AND/OR ASSIGNEES OR SUBSEQUENT OWNERS."

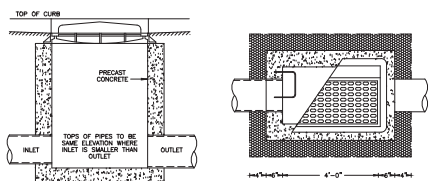
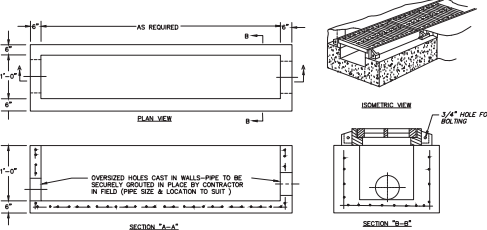
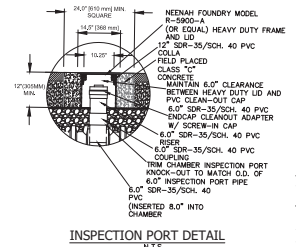
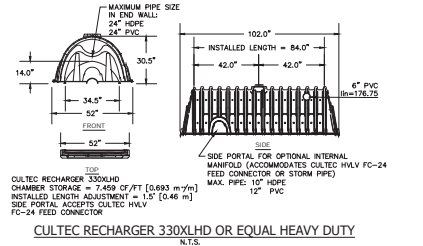
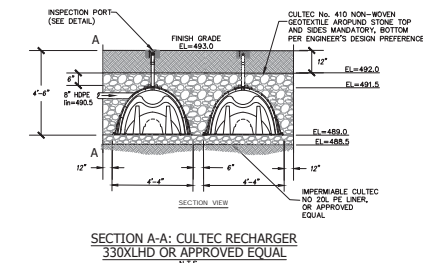
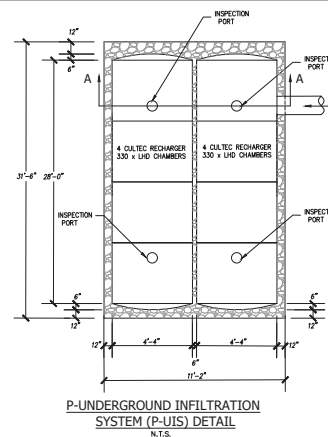
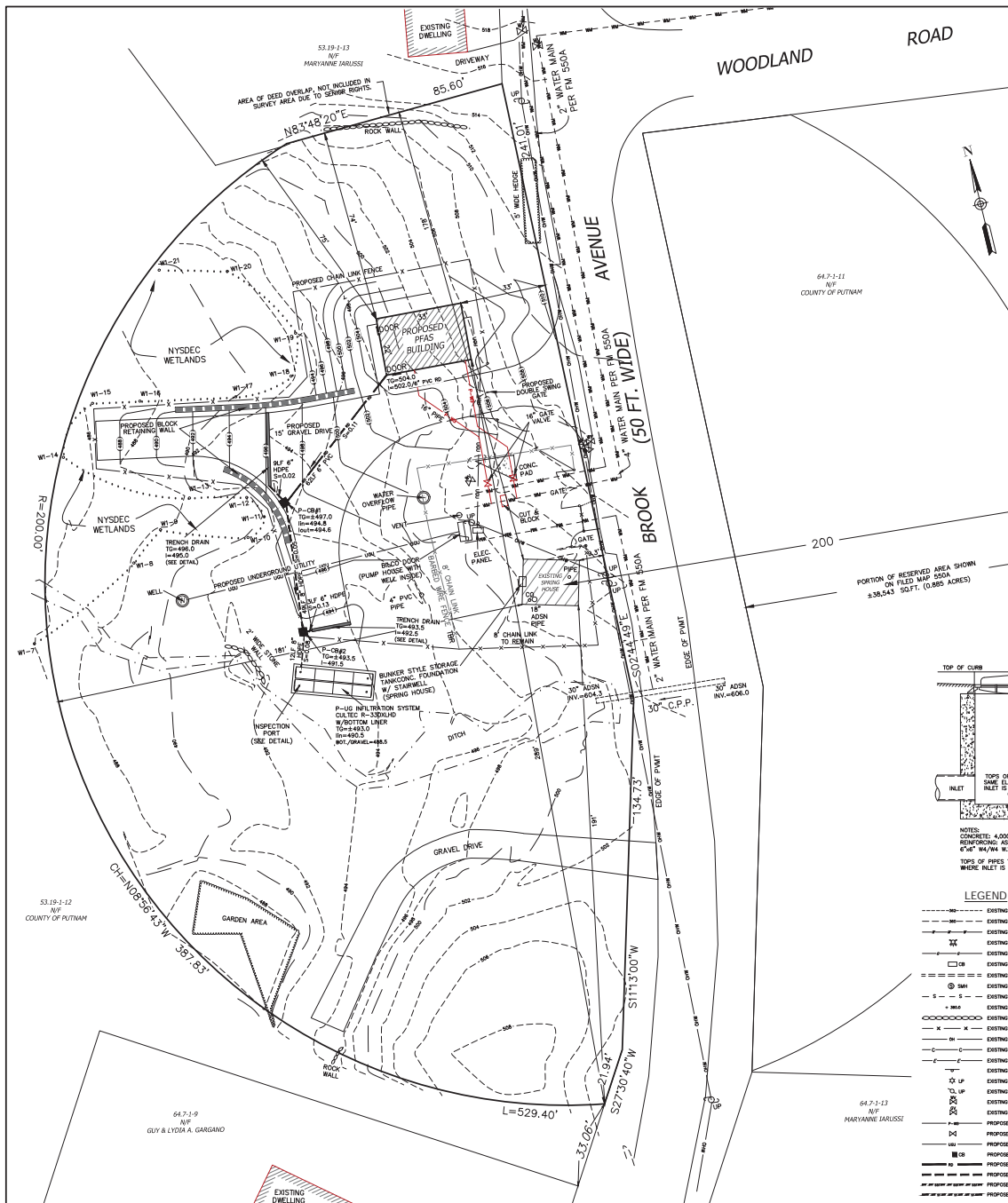
64.7-1-13
 NY
 MARYANNE FARUSSI

53.19-1-12
 NY
 COUNTY OF PUTNAM

64.7-1-9
 NY
 GUY & LYDIA A. GARGANO

64.7-1-11
 NY
 COUNTY OF PUTNAM

64.7-1-13
 NY
 MARYANNE FARUSSI



- CONSTRUCTION SEQUENCE:**
1. INSTALL EROSION & SEDIMENT CONTROL MEASURES.
 2. EXPAND DRIVEWAY AT ENTRANCE AND PROPOSED BUILDING.
 3. CONSTRUCT PROPOSED BUILDING FOUNDATION.
 4. INSTALL PROPOSED UNDERGROUND UTILITIES.
 5. SET PROPOSED PREPARED BUILDING.
 6. STABILIZE DISTURBED AREAS.
 7. REMOVE EROSION & SEDIMENT CONTROL MEASURES.

LEGEND

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- 1000' CONTOUR

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PROJECT:
SUEZ WATER NEW YORK, INC.
LONDON BRIDGE WELL 1 & 2

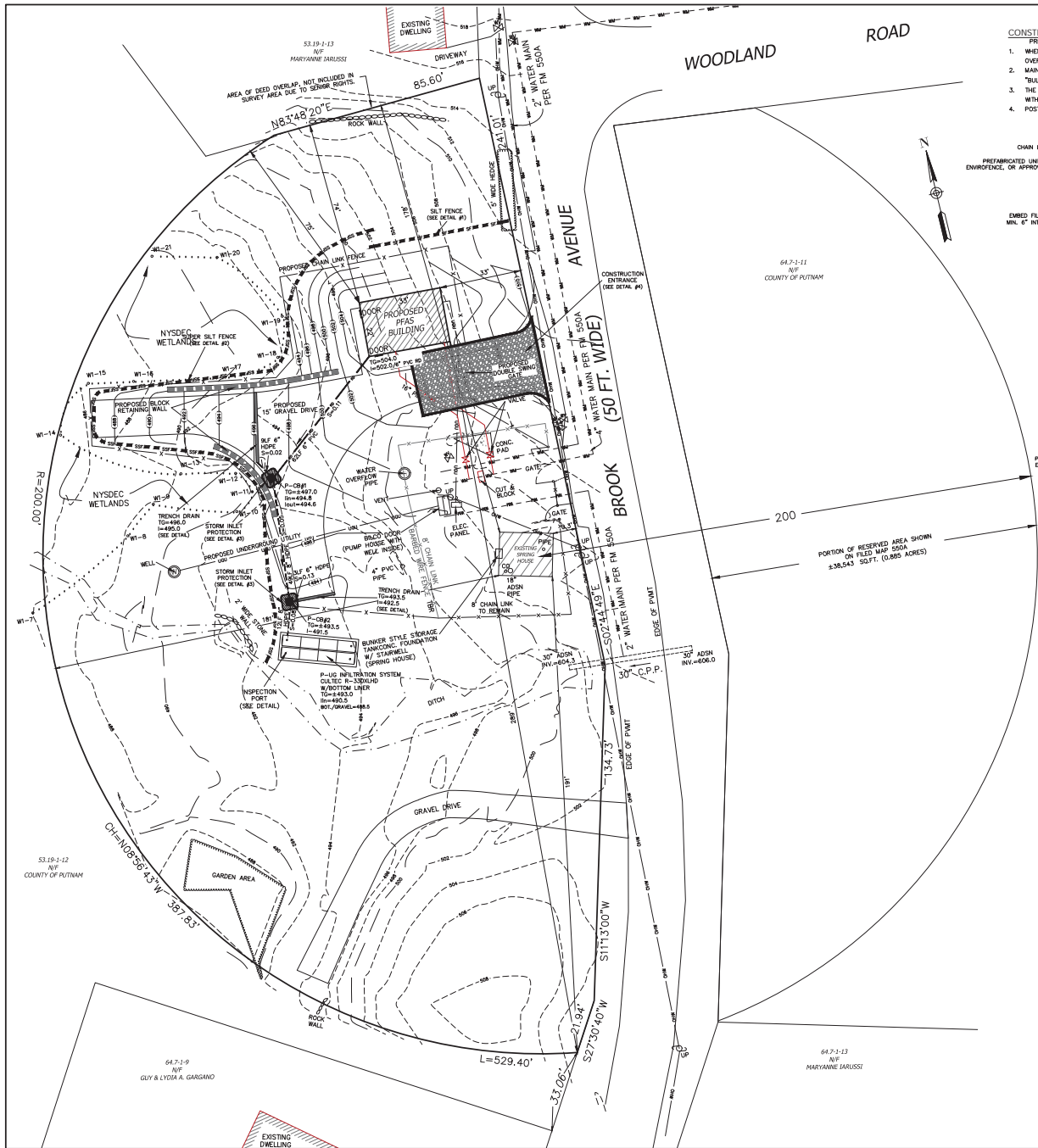
TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
GRADING PLAN & DETAILS

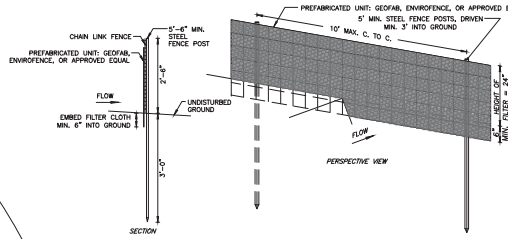
REVISION **DATE** **DESCRIPTION**

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DATE: JULY 20, 2021 **SCALE:** 1" IN. = 20' FT.
PROJECT NO.: 4872 **DRAWING NO.:** 3

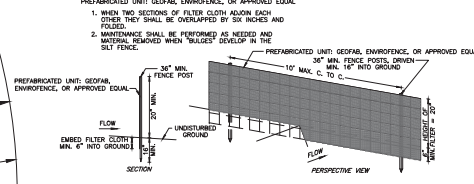


- ### CONSTRUCTION NOTES FOR PRE FABRICATED SILT FENCE
- PREFABRICATED UNIT: GEOTEX, ENVIROFENCE, OR APPROVED EQUAL.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - THE FABRIC SHALL BE PLACED AGAINST CHAIN LINK FENCE AS SUPPORT BACKING WITH POSTS DRIVEN 3 FEET IN THE GROUND.
 - POSTS FOR SUPER SILT FENCE SHALL BE STANDARD CHAIN LINK FENCE POSTS.

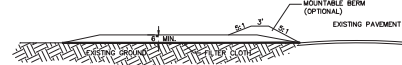


DETAIL #2 SUPER SILT FENCE
N.T.S.

- ### CONSTRUCTION NOTES FOR PRE FABRICATED SILT FENCE
- PREFABRICATED UNIT: GEOTEX, ENVIROFENCE, OR APPROVED EQUAL.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



DETAIL #1 SILT FENCE
N.T.S.



DETAIL #4 CONSTRUCTION ENTRANCE
N.T.S.

LEGEND

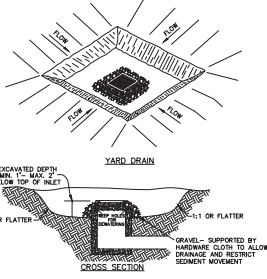
- EXISTING 2' CONTOUR
- EXISTING 4' CONTOUR
- - - - EXISTING WATERLINE
- - - - EXISTING FIRE HYDRANT
- - - - EXISTING GAS LINE
- ▣ EXISTING CATCH BASIN
- ▤ EXISTING STORM DRAIN LINE
- ◊ EXISTING WASTE MANHOLE
- S - S - EXISTING SEWER LINE
- MA EXISTING SPOT ELEVATION
- CO CO CO CO CO CO EXISTING STORMWALL
- X - X - EXISTING CHAIN LINK FENCE
- OH EXISTING OVERHEAD WIRE
- - - - EXISTING TELECOMMUNICATION LINE
- EXISTING ELECTRIC LINE
- EXISTING SIGN
- LP EXISTING LIGHT POLE
- ULP EXISTING UTILITY POLE
- EX EXISTING WATER VALVE
- GW EXISTING GAS VALVE
- PROPOSED WATERLINE
- PROPOSED GATE VALVE
- PROPOSED UNDERPASS ELECTRIC & GAS
- PROPOSED CATCH BASIN
- PROPOSED ROOF DRAIN
- PROPOSED STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED SUPER SILT FENCE
- PROPOSED SILT FENCE

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE.
- LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
- WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT 4 POINTS WHERE INGRESS AND EGRESS OCCUR. 24 FT. IF SINGLE ENTRANCE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FILTERED THROUGH THE ENTRANCE.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION SUCH THAT ALL DEBRIS OR FLOWING WATER SHALL BE REMOVED IMMEDIATELY UPON PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- WHEN MAINTENANCE IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

"UNNOTICED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED AND CERTIFIED SURVEYOR'S SEAL SHALL BE DEEMED TO BE THE PROPERTY OF THE SURVEYOR. ANY SUCH ALTERATIONS ARE VOID. THE PROFESSIONAL ENGINEER SHALL SIGN ONLY TO INDICATE HIS/HER APPROVAL OF THE DESIGN AND SHALL BE CONSIDERED TO BE VOID IF HE/ SHE CONSIDERS THAT THE DESIGN IS NOT IN ACCORDANCE WITH THE SPECIFICATIONS (NY'S EDUCATION LAW SECTION 700-2)

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON FROM ALTERING OR THESE DRAWINGS AND FOR THE ACCOMPANYING PROFESSIONAL ENGINEER TO BE CONSIDERED TO BE THE PROPERTY OF THE SURVEYOR. ANY SUCH ALTERATIONS ARE VOID. THE PROFESSIONAL ENGINEER SHALL SIGN ONLY TO INDICATE HIS/HER APPROVAL OF THE DESIGN AND SHALL BE CONSIDERED TO BE VOID IF HE/ SHE CONSIDERS THAT THE DESIGN IS NOT IN ACCORDANCE WITH THE SPECIFICATIONS (NY'S EDUCATION LAW SECTION 700-2)



DETAIL #3 STORM INLET PROTECTION DETAIL
N.T.S.

SPECIFICATIONS FOR STORM INLET PROTECTION

- SEDIMENT SHALL BE REMOVED AND THE TRAP RETURNED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE VOLUME OF SEDIMENT STORAGE SHALL BE 1800 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
- THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONTRIBUTORY DRAINAGE HAS BEEN PROPERLY STABILIZED.
- ALL OUT SLOPES SHALL BE 1:1 OR FLATTER.

REVISION DATE DESCRIPTION
ATZL NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS
832 North Main Street
New City, New York 10956
Tel: (845) 634-4894
Fax: (845) 634-4843
E-mail: info@anzny.com
Web: www.ANZNY.com

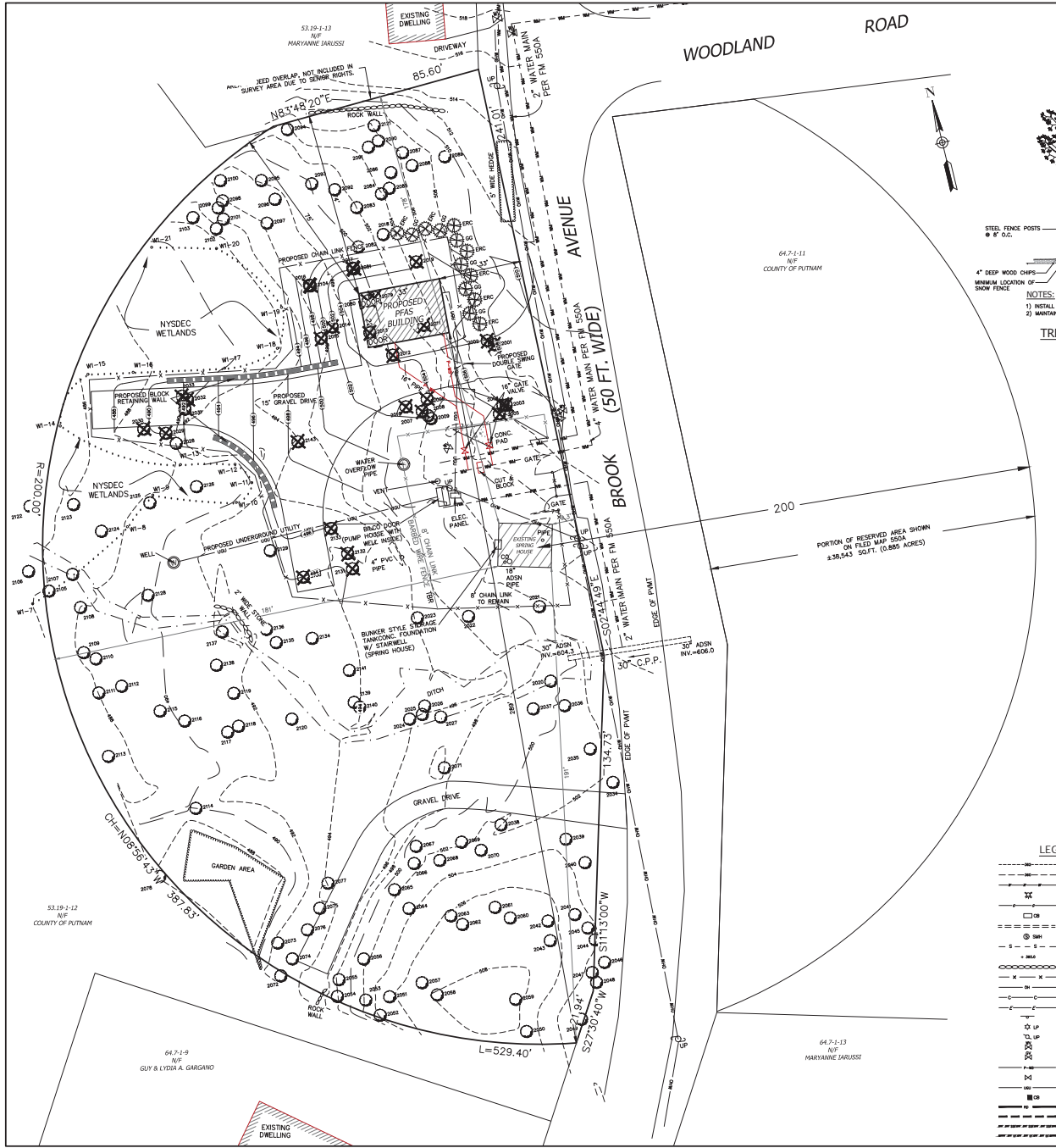
PROJECT:
SUEZ WATER NEW YORK, INC.
LONDON BRIDGE WELL 1 & 2

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
EROSION & SEDIMENT
CONTROL PLAN

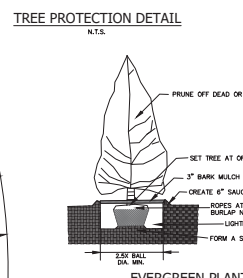
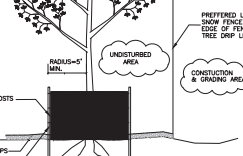
DESIGNED BY: IS	CHECKED BY: JRA
DATE: JULY 20, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO.: 4872	DRAWING NO.: 4





TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
2001	36"	TRIPLE MAPLE	GOOD	2073	15"	BIRCH	POOR
2002	10"	MAPLE	GOOD	2074	6"	BIRCH	GOOD
2003	11"	TWIN MAPLE	GOOD	2075	9"	TWIN BIRCH	GOOD
2004	6"	MAPLE	GOOD	2076	6"	BIRCH	GOOD
2005	19"	MAPLE	GOOD	2077	9"	BIRCH	GOOD
2006	10"	MAPLE	GOOD	2078	18"	TULIP	GOOD
2007	6"	MAPLE	GOOD	2079	14"	MAPLE	GOOD
2008	6"	MAPLE	GOOD	2080	6"	MAPLE	GOOD
2009	6"	MAPLE	GOOD	2081	6"	MAPLE	GOOD
2010	6"	MAPLE	GOOD	2082	6"	MAPLE	GOOD
2011	12"	MAPLE	GOOD	2083	6"	BIRCH	GOOD
2012	6"	MAPLE	GOOD	2084	6"	MAPLE	GOOD
2013	3"	ASH	GOOD	2085	6"	MAPLE	GOOD
2014	6"	MAPLE	GOOD	2086	7"	MAPLE	GOOD
2015	6"	MAPLE	GOOD	2087	6"	MAPLE	GOOD
2016	6"	MAPLE	GOOD	2088	10"	MAPLE	GOOD
2017	6"	OAK	GOOD	2089	12"	MAPLE	GOOD
2018	7"	ASH	GOOD	2090	10"	MAPLE	GOOD
2019	12"	MAPLE	GOOD	2091	12"	MAPLE	GOOD
2020	6"	ASH	POOR	2092	17"	BIRCH	GOOD
2021	12"	MAPLE	GOOD	2093	15"	BIRCH	GOOD
2022	13"	MAPLE	GOOD	2094	22"	HICKORY	GOOD
2023	6"	MAPLE	POOR	2095	9"	MAPLE	GOOD
2024	11"	TWIN MAPLE	GOOD	2096	8"	MAPLE	GOOD
2025	9"	TULIP	GOOD	2097	6"	MAPLE	GOOD
2026	14"	MAPLE	GOOD	2098	9"	MAPLE	GOOD
2027	10"	MAPLE	GOOD	2099	6"	MAPLE	GOOD
2028	31"	MAPLE	POOR	2100	8"	MAPLE	GOOD
2029	24"	MAPLE	GOOD	2101	6"	MAPLE	GOOD
2030	24"	MAPLE	GOOD	2102	17"	HICKORY	GOOD
2031	6"	MAPLE	POOR	2103	6"	MAPLE	GOOD
2032	6"	MAPLE	POOR	2104	6"	MAPLE	GOOD
2033	6"	MAPLE	POOR	2105	12"	MAPLE	GOOD
2034	28"	OAK	GOOD	2106	16"	MAPLE	GOOD
2035	12"	HICKORY	GOOD	2107	6"	MAPLE	GOOD
2036	22"	MAPLE	POOR	2108	16"	TULIP	POOR
2037	10"	BIRCH	POOR	2112	14"	TWIN MAPLE	GOOD
2038	20"	BIRCH	GOOD	2110	14"	MAPLE	GOOD
2039	10"	BIRCH	GOOD	2111	12"	MAPLE	GOOD
2040	6"	OAK	GOOD	2112	14"	MAPLE	GOOD
2041	20"	TULIP	GOOD	2113	14"	MAPLE	GOOD
2042	21"	TULIP	GOOD	2114	17"	MAPLE	GOOD
2043	9"	BIRCH	GOOD	2115	24"	MAPLE	GOOD
2044	18"	OAK	GOOD	2116	12"	TWIN MAPLE	GOOD
2045	6"	OAK	GOOD	2117	11"	MAPLE	GOOD
2046	11"	TULIP	GOOD	2118	13"	TWIN MAPLE	GOOD
2047	13"	TWIN OAK	GOOD	2119	10"	MAPLE	GOOD
2048	23"	TULIP	GOOD	2120	24"	GUARDE MAPLE	GOOD
2049	11"	TWIN OAK	GOOD	2121	10"	MAPLE	GOOD
2050	10"	OAK	GOOD	2122	16"	MAPLE	GOOD
2051	22"	MAPLE	GOOD	2123	9"	MAPLE	POOR
2052	22"	OAK	GOOD	2124	10"	MAPLE	POOR
2053	8"	BIRCH	GOOD	2125	26"	MAPLE	POOR
2054	6"	BIRCH	GOOD	2126	15"	MAPLE	GOOD
2055	7"	BIRCH	GOOD	2127	23"	MAPLE	GOOD
2056	7"	BIRCH	GOOD	2128	20"	MAPLE	POOR
2057	7"	BIRCH	GOOD	2129	17"	MAPLE	GOOD
2058	12"	HICKORY	GOOD	2130	16"	MAPLE	POOR
2059	12"	OAK	GOOD	2131	27"	MAPLE	POOR
2060	14"	MAPLE	GOOD	2132	20"	MAPLE	POOR
2061	13"	BIRCH	GOOD	2133	10"	TWIN MAPLE	POOR
2062	24"	OAK	GOOD	2134	20"	MAPLE	POOR
2063	13"	BIRCH	GOOD	2135	10"	TWIN MAPLE	POOR
2064	8"	BIRCH	GOOD	2136	7"	MAPLE	GOOD
2065	10"	BIRCH	GOOD	2137	19"	TWIN MAPLE	POOR
2066	13"	OAK	GOOD	2138	19"	MAPLE	GOOD
2067	8"	BIRCH	GOOD	2139	13"	MAPLE	GOOD
2068	8"	OAK	GOOD	2140	13"	MAPLE	GOOD
2069	14"	BIRCH	GOOD	2141	15"	TWIN MAPLE	GOOD
2070	13"	OAK	GOOD	2142	24"	MAPLE	GOOD
2071	19"	TWIN BIRCH	POOR	2143	21"	MAPLE	GOOD
2072	15"	BIRCH	POOR				



PLANTING SPECIFICATIONS:

GENERAL: ALL PLANTS, TREES, AND SHRUBS SHALL MEET THE SPECIFICATIONS FOR "PLANT MATERIAL" AS PER THE AMERICAN STANDARDS FOR NURSERY STOCK, THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT ALL PLANTS PRIOR TO SHIPPING AND INSTALLATION. THERE ARE TO BE NO SUBSTITUTIONS OF THE PLANTS WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT.

PLANTING: ALL PLANTS SHALL BE PLANTED IN PITS TWO TIMES THE DIAMETER OF THE ROOT BALL OR CONTAINER. PLANT HEIGHT SHOULD BE PLACED AT OR SLIGHTLY ABOVE PREVIOUS GRADE. PULL BACK BURLEAP FROM TOP OF BALL AND CUT WIRE ON TREE BASKET. ENSURE THAT THE BURLEAP IS NOT EXPOSED ABOVE GRADE BECAUSE OF WATER LOSS, STRIKING AND GIVING SHALL BE USED ONLY WHEN NECESSARY. WHEN THE METHOD IS USED, CARE SHOULD BE TAKEN TO PROTECT THE TREE BARK AND WIRES SHOULD BE REMOVED AS SOON AS POSSIBLE.

MULCHING: ALL PLANTING BEDS (EXCEPT GROUNDCOVER) SHALL BE MULCHED WITH THREE INCHES OF SHREDED BARK TO CONSERVE WATER AND KEEP ROOTS COVERED DURING INITIAL GROWTH STAGE. DO NOT PLACE MULCH HEAVILY AROUND CROWN OF PLANTS.

WINTER CARE: ALL TREES AND SHRUBS SHALL BE SPRAYED WITH AN ANTI-DESICCANT THE FIRST NOVEMBER AFTER PLANTING.

WATERING: ALL PLANTS SHALL BE WATERED BY THE CONTRACTOR DURING THE INITIAL GROWTH STAGE. TREES SHALL BE HEAVILY WATERED SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY FOR THE NEXT TWO SUMMERS.

PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL NEWLY INSTALLED PLANTS FOR TWO-YEAR PROVIDED THAT THEY ARE GIVEN PROPER WATERING/CARE AND CONTRACTOR IS NOTIFIED OF UNUSUALLY STRESSED PLANTS IMMEDIATELY. THE TWO-YEAR GUARANTEE WILL START AT THE TIME OF THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

LEGEND

- EXISTING 2" CONTOUR
- - - EXISTING 10' CONTOUR
- - - EXISTING FIRE HYDRANT
- - - EXISTING GAS LINE
- EXISTING CATCH BASIN
- - - EXISTING SEWER DRAIN LINE
- SHM EXISTING SEWER MANHOLE
- - - EXISTING SEWER LINE
- + MA EXISTING SPOT ELEVATION
- EXISTING STORMLINE
- - - EXISTING CHAIN LINE
- - - EXISTING OVERHEAD WIRE
- - - EXISTING TELECOMMUNICATION LINE
- - - EXISTING SON
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- - - PROPOSED WATERLINE
- - - PROPOSED GATE VALVE
- - - EXISTING ELECTRIC LINE
- - - PROPOSED UNDERGROUND ELECTRIC & GAS
- EXISTING CATCH BASIN
- - - PROPOSED ROOF DRAIN
- - - PROPOSED STORM DRAIN
- - - PROPOSED SUPER SILT FENCE
- - - PROPOSED SILT FENCE

PLANT LIST

SYMBOL	NO.	PLANT NAME	HEIGHT	QUANTITY	SIZE & REMARKS
○	1.	PLANTALUCATA Green Giant Arborvitae	50 FT TO 60 FT.	8	5 FT. TC Plant 5 or 60" GC.
○	1.	LAMBROSCA BRUNNIA Eastern Red Cedar	50 FT TO 60 FT.	7	5 FT. TC Plant 5 or 60" GC.

"UNRECORDED ALTERATIONS OF ADDITIONS TO A SURVEY MAY BEARING A LICENSED AND REGISTERED SURVEYOR'S SEAL AND SIGNATURE, SUBSECTION 2 OF THE NEW YORK STATE SURVEYING LAW, SHALL BE DEEMED TO BE VOID AND THE ORIGINAL RECORD SHALL BE CONSIDERED TO BE THE TRUE COPY."

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON FROM ATTEMPTING TO COPY OR REPRODUCE ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING PROPOSALS, UNDER THE PENALTY OF A FINE OF FIFTY DOLLARS (\$50.00) PER PAGE. PROFESSIONAL ENGINEERS SHALL SIGN ONLY TO THE EXTENT OF THEIR PROFESSIONAL RESPONSIBILITY AND THE PROFESSIONAL SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE THE TRUE COPY. THE FULL EXTENT OF THE PROFESSIONAL LIABILITY OF THE ENGINEER AND/OR ARCHITECT SHALL BE GOVERNED BY THE PROVISIONS OF THE EDUCATION LAW OF THE STATE OF NEW YORK, SECTION 209(2).

CERTIFICATION INDICATED HERE ON DENIES THAT THIS SURVEY WAS PERFORMED OR THAT THIS SURVEYOR'S SEALS AND SIGNATURES WERE NOT USED IN CONNECTION WITH THIS SURVEY. THIS CERTIFICATION SHALL RUN ONLY TO THE EXTENT OF THE PROFESSIONAL LIABILITY OF THE SURVEYOR WHO HAS PROVIDED THIS CERTIFICATION AND DOES NOT CONSTITUTE AN ENDORSEMENT OF THE SURVEY OR ANY PART THEREOF. THE SURVEYOR'S LIABILITY SHALL BE GOVERNED BY THE PROVISIONS OF THE EDUCATION LAW OF THE STATE OF NEW YORK, SECTION 209(2).

STATE OF NEW YORK
JAMES J. BROWN, JR.
REGISTERED PROFESSIONAL SURVEYOR
No. 4190
N.Y.S. PUBLIC LAW § 2006

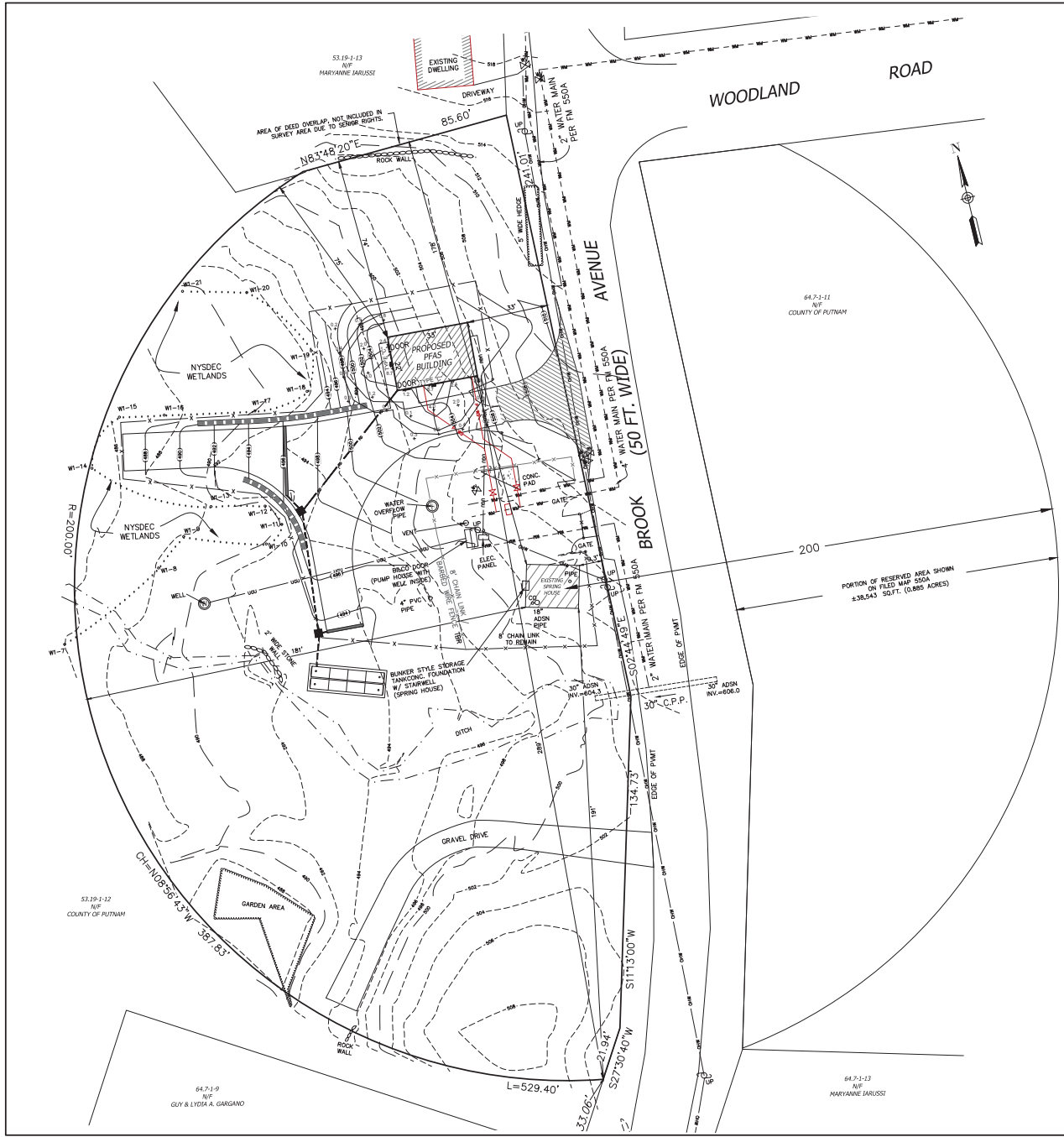
STATE OF NEW YORK
JAMES J. BROWN, JR.
REGISTERED PROFESSIONAL SURVEYOR
No. 4190
N.Y.S. PUBLIC LAW § 2006

ATZL NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
832 North Main Street
New City, New York 10956
Tel: (845) 634-4894
Fax: (845) 634-6543
E-mail: info@anzny.com
Web: www.ANZNY.com

PROJECT:
SUEZ WATER NEW YORK, INC.
LONDON BRIDGE WELL 1 & 2
PUTNAM COUNTY, NEW YORK

TITLE:
TREE & LANDSCAPE PLAN

DRAWN BY: IS CHECKED BY: JRA
DATE: JULY 20, 2021 SCALE: 1 IN. = 20 FT.
PROJECT NO.: DRAWING NO.: 4872 5



RAB CONTACT INFORMATION:
 DAMIN SALES (732) 965-8866
 RAB LIGHTING (201) 931-8062



12, 18 AND 28 WATT SLIM WALL MOUNT PACKS ARE ULTRA EFFICIENT AND
 DELIVER IMPROVED LIGHT DISTRIBUTION WITH A COMPACT, COMPLETE
 DESIGN THAT'S SUPER EASY TO INSTALL AS A COMPONENT OF UPLIGHT.

COLOR: BRONZE HEIGHT: 4.5 LBS
SLIM12Y WALL MOUNT DETAIL
 N.T.S.

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating
■	2	SLIM12Y	SINGLE	N.A.	1.000	Wall Mount	B1-LU-G0

"UNRECORDED ALTERNATION OR
 ADDITIONS TO A SURVEY MAP BEING A
 COLLUSIVE AND DECEPTIVE PRACTICE,
 SUBSECTION 2, OF THE NEW YORK STATE
 EDUCATION LAW.

"ONLY COPIES FROM THE ORIGINAL TRACINGS
 OF THIS SURVEY MAP MARKED WITH THE
 LAND SURVEYOR'S LICENSED SEAL SHALL
 BE CONSIDERED TO BE VALID TRUE
 COPIES.

THE EDUCATION LAW OF THE STATE OF NEW
 YORK PROHIBITS ANY PERSON ALTERING
 ANYTHING ON THESE DRAWINGS AND/OR THE
 ACCOMPANYING INSTRUMENTS, UNDER IT IS
 UNDER THE PENALTY OF A FINE OF \$500.
 PROFESSIONAL ENGINEERS, WHEN SUCH
 ALTERATIONS ARE MADE, THE PROFESSIONAL
 ENGINEER MUST SIGN, SEAL, DATE AND
 DISCLOSE THE FULL EXTENT OF THE
 ALTERATION ON THE DRAWING AND/OR THE
 SPECIFICATIONS (NY'S EDUCATION LAW
 SECTION 700-2)

CERTIFICATION INDICATED HERE ON DENY
 THAT THIS SURVEY WAS PREPARED BY
 A LICENSED SURVEYOR OR BY A
 PRACTICE FOR LAND SURVEYORS ADOPTED
 BY THE BOARD OF SURVEYING AND
 MAPPING UNDER THE NEW YORK STATE
 EDUCATION LAW.
 PROFESSIONAL ENGINEERS, WHEN SUCH
 ALTERATIONS ARE MADE, THE PROFESSIONAL
 ENGINEER MUST SIGN, SEAL, DATE AND
 DISCLOSE THE FULL EXTENT OF THE
 ALTERATION ON THE DRAWING AND/OR THE
 SPECIFICATIONS (NY'S EDUCATION LAW
 SECTION 700-2)



LEGEND

---	EXISTING 2" CONTOUR
---	EXISTING 10" CONTOUR
---	EXISTING WATERLINE
---	EXISTING FIRE HYDRANT
---	EXISTING GAS LINE
---	EXISTING CATCH BASIN
---	EXISTING STORM DRAIN LINE
---	EXISTING SEWER MANHOLE
---	EXISTING SEWER LINE
---	EXISTING SPOT ELEVATION
---	EXISTING SENESE LINE
---	EXISTING STONEWALL
---	EXISTING DRAIN LINE FENCE
---	EXISTING OVERHEAD WIRES
---	EXISTING TELECOMMUNICATION LINE
---	EXISTING ELECTRIC LINE
---	EXISTING SIGN
---	EXISTING LIGHT POLE
---	EXISTING UTILITY POLE
---	EXISTING WATER VALVE
---	EXISTING GAS VALVE
---	PROPOSED WATERLINE
---	PROPOSED GATE VALVE
---	PROPOSED UNDERGROUND ELECTRIC & GAS
---	PROPOSED CATCH BASIN
---	PROPOSED ROOF DRAIN
---	PROPOSED STORM DRAIN
---	PROPOSED SUPER SALT FENCE
---	PROPOSED SALT FENCE

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 Web: www.ANZNY.com

PROJECT:
SUEZ WATER NEW YORK, INC.
LONDON BRIDGE WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE:
LIGHTING PLAN

DRAWN BY: IS	CHECKED BY: JRA
DATE: JULY 20, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4872	DRAWING NO: 6



July 14, 2021

SUEZ Water New York, Inc. – Geymer Well 1 & 2

Project Narrative

SUEZ is proposing the construction of upgrades at the following sites in the Town of Carmel, Putnam County, NY:

1. Geymer Well 1 & 2 (SBL 75.13-1-6) - Located in a residential area 300 feet northeast of 76 Geymer Drive in Mahopac, Putnam County, New York. The site has a lot area of 3.9 acres.
2. Archer Well 1 & 2 (SBL 85.12-1-8) - Located in a residential area behind 9 Colton Road (access gained through 31 Archer Road) in Mahopac, Putnam County, New York. The site has a lot area of 3.9 acres.
3. London Bridge Well 1 & 2 (SBL 64.7-1-10) - Located in a residential area near 39 Brook Street in Mahopac, Putnam County, New York. The site has a lot area of 1.6 acres.
4. Chateau Well 1, 2 & 3 (SBL 75.20-1-16) - Located in a residential area 180 feet north west of 60 McNair Drive in Mahopac, Putnam County, New York. The site has a lot area of 1.4 acres.
5. Mahopac Well 1, 2 & 3 (SBL 75.20-2-68) - Located in a residential area 150 feet southwest of 34 Coventry Circle, Mahopac, Putnam County, New York. The site has a lot area of 53.3 acres.

Need for upgrades:

The proposed upgrades will allow SUEZ Water New York, Inc. (SWNY) to comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrades will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. SWNY has many wells in Putnam County.

In August 2020, the State of New York adopted new drinking water standards that set a Maximum Contaminant Level (MCL) of 10 ppt for these substances in drinking water. SWNY will need to upgrade five treatment facilities in the Town of Carmel to meet these new state requirements by August 23, 2022.

To comply with these new MCLs, SWNY plans to construct upgrades on the sites listed above. The planned upgrades will not increase the firm capacity of the wells but will add Granulated Activated Carbon as treatment to remove the PFAS and PFOA prior to entering the distribution system and ensuring compliance with the new regulations. The existing well pumps are also being replaced to ensure they have the extra head needed for the water to be processed through the new treatment facility and still enter the distribution system with sufficient pressure.

Summary of scope of work at the Geymer Well Site:

The proposed building has a footprint of 30 ft. by 20 ft and will have a height of 17 ft. This will be a prefabricated building. It will be approximately 150 ft. and 180 ft. away from the closest residences. Architectural, civil, electrical, structural, HVAC and plumbing upgrades will be implemented to accommodate the new treatment systems at the existing locations. Construction will include upgrades to the access road and installation of pipelines that connect to the existing wells.

The proposed improvements will have little or no impact on the neighboring residences. Lighting will be provided on the west and north side of the proposed building which will not impact the neighbors. These two lights will be mounted at a height of 8 ft. and will be similar to a residential light.

There are 2 acres of NYSDEC wetlands on site. The site is almost entirely encumbered by NYSDEC wetlands and the 100 year floodplain. The only area not encumbered is the area where the access road is off Geymer Drive. All improvements are proposed to be located upland of the NYSDEC wetlands. However, they will be within the 100 ft. wide wetland adjacent area, as the wetlands and adjacent area encumber the whole area including the access road.

The Erosion and sediment controls will be installed to protect the regulated features on these sites. Disturbance will be kept to a minimum and avoidance measures have been considered during the design phase of the project.

We are respectfully requesting a waiver of the landscaping requirement. The location for the proposed improvements from the existing homes is approximately 145 feet away. Also, the density of the existing foliage is quite extensive, and should serve as an adequate buffer to the homes.

Thank you for your time and consideration.

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**

Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Re: **Site Plan Application**
SUEZ Water New York, Inc. – Geymer Wells 1 & 2
Proposed Building Materials Narrative

All,

Building Structures were originally proposed to be made of prefabricated metal building, with steel framing, insulated metal wall panels with an exterior color, standing seam roof system, with a cast in place concrete foundation designed to accommodate the load of the building structure, equipment, vessels, and all other loads impacting the foundation.

Due to extensive lead time delays for fabrication of the originally proposed means of designing, fabricating, and erecting the building, we are currently exploring other material options for the building to better meet schedule requirements.

At this time, the building materials are yet to be determined, but we are currently in the process of finalizing our alternative options.

Sincerely,
J. Fletcher Creamer & Son, Inc.

Copy to:

101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901

JFCSON.COM



TOWN OF CARMEL
**SITE PLAN APPLICATION
 INSTRUCTIONS**



Geymer Wells

The Town of Carmel Planning Board meetings are held twice a month, on the second and fourth Wednesday's, at 7:00 PM at Carmel Town Hall, 60 McAlpin Avenue, Carmel

The submission deadline is 10 days prior to the Planning Board meeting. New site plan applications that have been deemed complete will be placed on the agenda in the order they are received.

No application will be placed on the agenda that is incomplete

Pre-Submission:

Prior to the formal submission of the site plan, a pre-submission conference may be requested by the applicant to be conducted with representatives from the Town, which may include the Town Planner, Town Engineer, Director of Code Enforcement and/or the Planning Board Attorney. This conference will serve to educate the applicant on the process he/she must follow, clarify the information required to submit a complete site plan application, and to highlight any specific areas of concern. You may arrange a pre-submission conference through the Planning Board Secretary at (845) 628-1500 extension 190.

Submission Requirements:

At least 10 days prior to the Planning Board meeting, the site plan application shall be submitted to the Planning Board Secretary as follows:

All site plans shall be signed, sealed and folded with the title box legible. The application package shall include:

- 11 copies of the Site Plan Application Form, signed and notarized.
- 11 copies of the SEQR Environmental Assessment Form (use of short form or long form shall be determined at pre-submission conference).
- 5 full size sets of the Site Plan (including floor plans and elevations)
- 1 CD (in pdf. format) containing an electronic version of the Site Plan
- 2 copies of the Disclosure Statement
- 11 copies of the Site Plan Completeness Certification Form
- All supplemental studies, reports, plans and renderings.
- 2 copies of the current deed.
- ~~NA~~ 2 copies of all easements, covenants and restrictions.
- The appropriate fee, determined from the attached fee schedule. Make checks payable to the *Town of Carmel*.

Rose Immlutta 8/31/21
 Planning Board Secretary; Date

Richard J. [Signature] 8/31/2021
 Town Engineer; Date



TOWN OF CARMEL SITE PLAN APPLICATION



Per Town of Carmel Code – Section 156 - Zoning

SITE IDENTIFICATION INFORMATION		
Application Name: SUEZ Water New York, Inc. – Geymer Well 1 & 2	Application # 21-0009	Date Submitted: August 27, 2021
Site Address: No. 70 Street: Geymer Drive Hamlet: Mahopac		
Property Location: (Identify landmarks, distance from intersections, etc.) Located in a residential area 300 feet northeast of 76 Geymer Drive		
Town of Carmel Tax Map Designation: Section 75.13 Block 1 Lot(s) 6	Zoning Designation of Site: Zone "CN"	
Property Deed Recorded in County Clerk's Office Date 10/23/2017 Liber 2069 Page 387	Liens, Mortgages or other Encumbrances Yes <input checked="" type="radio"/> No	
Existing Easements Relating to the Site <input checked="" type="radio"/> No Yes Describe and attach copies:	Are Easements Proposed? <input checked="" type="radio"/> No Yes Describe and attach copies:	
Have Property Owners within a 500' Radius of the Site Been Identified? <input checked="" type="radio"/> Yes No Attached List to this Application Form		
APPLICANT/OWNER INFORMATION		
Property Owner: SUEZ Water New York, Inc.	Phone #: 845-620-3319 Fax#:	Email: steven.garabed@suez.com
Owners Address: No. 162 Street: Old Mill Road Town: West Nyack State NY Zip: 10994		
Applicant (If different than owner): APPLICANT IS THE SAME AS OWNER	Phone #: Fax#:	Email:
Applicant Address (If different than owner): APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
Individual/ Firm Responsible for Preparing Site Plan: John Atzl - Atzl, Nasher & Zigler, PC	Phone #: (845) 634 4694 Fax#: (845) 634 5543	Email: jatzl@anzny.com
Address: No. 234 Street: North Main Street Town: New City State: NY Zip: 10956		
Other Representatives:	Phone #: Fax#:	Email:
Owners Address: APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
PROJECT DESCRIPTION		
Describe the project, proposed use and operation thereof: SUEZ is proposing the construction of upgrades at their existing Geymer well site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		

TOWN OF CARMEL SITE PLAN APPLICATION


PROJECT INFORMATION			
Lot size: Acres: 3.98	Square Feet: 173,444	Square footage of all existing structures (by floor): 58 SQ. FT.	
# of existing parking spaces: 0	# of proposed parking spaces: 0		
# of existing dwelling units: 0	# of proposed dwelling units: 0		
<p>Is the site served by the following public utility infrastructure:</p> <ul style="list-style-type: none"> Is project in sewer district or will private septic system(s) be installed? <u>No</u> If yes to Sanitary Sewer answer the following: <ul style="list-style-type: none"> No connection to the sanitary sewer will be needed Does approval exist to connect to sewer main? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Is this an in-district connection? <u>NA</u> Out-of district connection? <u>NA</u> What is the total sewer capacity at time of application? <u>NA</u> What is your anticipated average and maximum daily flow <u>NA</u> <p>For Town of Carmel Town Engineer</p> <p style="margin-left: 40px;">What is the sewer capacity <u>NA R/P 8/31/2024</u></p> <ul style="list-style-type: none"> Water Supply Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> <ul style="list-style-type: none"> No drinking water will be used If Yes: <ul style="list-style-type: none"> Does approval exist to connect to water main? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> What is the total water capacity at time of application? <u>NA</u> What is your anticipated average and maximum daily demand <u>NA</u> Storm Sewer Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Electric Service Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> Gas Service Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Telephone/Cable Lines Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 			
<p>For Town of Carmel Town Engineer</p> <p>Water Flows <u>R/P NA</u></p> <p>Sewer Flows <u>R/P 8/31/2024</u></p> <p>Town Engineer; Date <u>R/P 8/31/2024</u></p>			
What is the predominant soil type(s) on the site? Ff- 80% RdA-6% Sm- 14%	What is the approximate depth to water table? 183 ft. - weighted average		
Site slope categories:	15-25% <u>1 %</u>	25-35% <u>0.5 %</u>	>35% <u>0.4 %</u>
Estimated quantity of excavation:	Cut (C.Y.) <u>58</u>	Fill (C.Y.) <u>80</u>	
Is Blasting Proposed	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>	Unknown: <input type="checkbox"/>
Is the site located in a designated Critical Environmental Area?	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>	
Does a curb cut exist on the site?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	Are new curb cuts proposed?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
		What is the sight distance? Left <u>NA</u> Right <u>NA</u>	
<p>Is the site located within 500' of:</p> <ul style="list-style-type: none"> The boundary of an adjoining city, town or village Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> The boundary of a state or county park, recreation area or road right-of-way Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> A county drainage channel line. Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> The boundary of state or county owned land on which a building is located Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 			

TOWN OF CARMEL SITE PLAN APPLICATION

Is the site listed on the State or Federal Register of Historic Place (or substantially contiguous) Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the site located in a designated floodplain? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Will the project require coverage under the Current NYSDEC Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will the project require coverage under the Current NYCDEP Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site disturb more than 5,000 sq ft	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the site disturb more than 1 acre	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the site contain freshwater wetlands? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Jurisdiction: NYSDEC: <input checked="" type="checkbox"/> Town of Carmel: <input checked="" type="checkbox"/>	
<i>If present, the wetlands must be delineated in the field by a Wetland Professional, and survey located on the Site Plan.</i>	
Are encroachments in regulated wetlands or wetland buffers proposed? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Does this application require a referral to the Environmental Conservation Board?	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Does the site contain waterbodies, streams or watercourses? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Are any encroachments, crossings or alterations proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the site located adjacent to New York City watershed lands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Is the project funded, partially or in total, by grants or loans from a public source? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Will municipal or private solid waste disposal be utilized? Public: <input type="checkbox"/> Private: <input checked="" type="checkbox"/>	
Has this application been referred to the Fire Department? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
What is the estimated time of construction for the project? 12 months	

ZONING COMPLIANCE INFORMATION			
Zoning Provision	Required	Existing	Proposed
Lot Area	120,000 SQ. FT.	26,030 SQ. FT. NET	26,030 SQ. FT. NET
Lot Coverage	0.15	0.02	0.03
Lot Width	200 FT.	179.8 FT.	179.8 FT.
Lot Depth	-	-	-
Front Yard	40 FT.	212.2 FT.	161 FT.
Side Yard	25 FT.	105.1 FT.	25 FT.
Rear Yard	40 FT.	290.4 FT.	199.7 FT.
Minimum Required Floor Area	-	-	-
Floor Area Ratio	-	-	-
Height	35 FT.	14 FT.	22 FT.
Off-Street Parking	2	0	0
Off-Street Loading	-	-	-

TOWN OF CARMEL SITE PLAN APPLICATION

Will variances be required? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	If yes, identify variances: N/A	
PROPOSED BUILDING MATERIALS - N/A		
Foundation		
Structural System	See attached narrative for proposed materials	
Roof		
Exterior Walls		
APPLICANTS ACKNOWLEDGEMENT		
I hereby depose and certify that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true and correct.		
Christopher Graziano, General Manager SUEZ Water New York Inc.		
Applicants Name	Applicants Signature	
Sworn before me this		
	23 RD day of AUGUST 2021	
 Notary Public	<table border="1" style="margin: auto; padding: 5px;"> <tr> <td style="text-align: center;"> LARISA QUINN Notary Public, State of New York No. 01QU6382297 Qualified In Rockland County Commission Expires October 22, 2022 </td> </tr> </table>	LARISA QUINN Notary Public, State of New York No. 01QU6382297 Qualified In Rockland County Commission Expires October 22, 2022
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TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



All Site Plans submitted to the Planning Board for review shall include the following information and details, as set forth in Section 156-61 B of the Town of Carmel Zoning Ordinance.

This form shall be included with the site plan submission

	<i>Requirement Data</i>	<i>To Be Completed by the Applicant</i>	<i>Waived by the Town</i>
1	Name and title of person preparing the site plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Name of the applicant and owner (if different from applicant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Original drawing date, revision dates, scale and north arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Tax map, block and lot number(s), zoning district	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	All existing property lines, name of owner of each property within a 500' radius of the site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Contour lines at two-foot intervals, grades of all roads, driveways, sanitary and storm sewers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	The location of all water bodies, streams, watercourses, wetland areas, wooded areas, rights-of-way, streets, roads, highways, railroads, buildings, structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	The location of all existing and proposed easements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	The location of all existing and proposed structures, their use, setback dimensions, floor plans, front, side and rear elevations, buildable area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	On site circulation systems, access, egress ways and service roads, emergency service access and traffic mitigation measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Sidewalks, paths and other means of pedestrian circulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	On-site parking and loading spaces and travel aisles with dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	The location, height and type of exterior lighting fixtures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Proposed signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	For non-residential uses, an estimate of the number of employees who will be using the site, description of the operation, types of products sold, types of machinery and equipment used	<input checked="" type="checkbox"/>	<input type="checkbox"/>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



	Requirement Data	To Be Completed by the Applicant	Waived by the Town
16	The location of clubhouses, swimming pools, open spaces, parks or other recreational areas, and identification of who is responsible for maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	The location and design of buffer areas, screening or other landscaping, including grading and water management. A comprehensive landscaping plan in accordance with the Tree Conservation Law	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	The location of public and private utilities, maintenance responsibilities, trash and garbage areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	A list, certified by the Town Assessor, of all property owners within 500 feet of the site boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	Any other information required by the Planning Board which is reasonably necessary to ascertain compliance with this chapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Applicants Certification (to be completed by the licensed professional preparing the site plan:

I John Atzl hereby certify that the site plan to which I have attached my seal and signature, meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:



Signature - Applicant Date

John Atzl

Signature - Owner Date



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
CERTIFICATION FORM**



Town Certification (to be completed by the Town)

I _____ hereby confirm that the site plan meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:

Rose Tomblitta
Signature - Planning Board Secretary

8/31/21
Date

Richard J. Smith
Signature - Town Engineer

8/31/2021
Date

Full Environmental Assessment Form
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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SUEZ Water New York, Inc. – London Bridge Well 1 & 2		
Project Location (describe, and attach a general location map): 39 Brook Street in the Town of Carmel, Putnam County		
Brief Description of Proposed Action (include purpose or need): SUEZ Water is proposing the construction of upgrades at their existing London Bridge Well 1 & 2 site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		
Name of Applicant/Sponsor: SUEZ Water New York, Inc.	Telephone: 845-620-3319	E-Mail: steven.garabed@suez.com
Address: 162 Old Mill Road		
City/PO: West Nyack	State: NY	Zip Code: 10994
Project Contact (if not same as sponsor; give name and title/role): John Atzl - Atzl, Nasher & Zigler, PC	Telephone: 845-634-4694	E-Mail: jatzl@anzny.com
Address: 234 North Main Street		
City/PO: New City	State: NY	Zip Code: 10956
Property Owner (if not same as sponsor): PROPERTY OWNER IS THE SAME AS APPLICANT	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

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 Counsel, Town Board, <input type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Planning Board - Site Plan and Conditional Use Approval	August 2021
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Zoning Board - variance	August 2021
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Building Department - Building Permit, Sewer Connection Permit	August 2021
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Putnam County Department of Health	August 2021
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources. <ul style="list-style-type: none"> i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/>Yes<input checked="" type="checkbox"/>No ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/>Yes<input checked="" type="checkbox"/>No iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/>Yes<input checked="" type="checkbox"/>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? YesNo

- 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? YesNo

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? YesNo

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?) YesNo

If Yes, identify the plan(s):

NYC Watershed Boundary _____

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? YesNo

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?
Residential District

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? Mahopac Central School District

b. What police or other public protection forces serve the project site?
Town of Carmel Police Department

c. Which fire protection and emergency medical services serve the project site?
Mahopac Volunteer Fire Department

d. What parks serve the project site?
Airport Field, Sycamore Town Park

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)? Industrial Water Treatment and Supply

b. a. Total acreage of the site of the proposed action? _____ 1.61 acres
b. Total acreage to be physically disturbed? _____ 0.26 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 1.61 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)? % 194 Units: 726 sq. ft.

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 the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: _____ 12 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

* Calculation: [Proposed building expansion (sq ft)/ Existing building (sq ft)] X 100
(600 sq. ft. proposed building /58 sq. ft. existing building) X 100

f. Does the project include new residential uses? Yes No
 If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
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 _____ 1

ii. Dimensions (in feet) of largest proposed structure: _____ 22 height; _____ 22 width; and _____ 33 length

iii. Approximate extent of building space to be heated or cooled: _____ 726 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? Yes No
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)
 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 the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the 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), what is the 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 a 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 the 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)
 Construction equipment and vehicles _____
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 Power generation _____
 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 (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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 truck trips/day and type (e.g., semi trailers and dump trucks): _____

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 1/2 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: _____
16,335 kWh *

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

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 6PM • Saturday: _____ 8AM - 6PM • Sunday: _____ 8AM - 6PM • Holidays: _____ CLOSED 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours/day • Saturday: _____ 24 hours/day • Sunday: _____ 24 hours/day • Holidays: _____ 24 hours/day
---	---

***The average number of kilowatt hours per square foot for a commercial building is approximately 22.5. (Source: Iota Communications.com). The proposed building is 600 sq. ft.**

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:
 The operation of construction equipment will increase local daytime ambient noise levels. This will only occur during permitted hours of operation and the resulting noise will cease upon completion of the project.

ii. Will the 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:
 See Lighting Plan _____

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 _____
 ii. Volume(s) _____ per unit time _____ (e.g., month, year)
 iii. Generally, describe the proposed storage facilities: _____

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 the 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): Industrial Water Treatment and Supply
 ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.07	0.2	+ 0.13
• Forested	1.34	1.21	- 0.13
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.02	0.02	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.05	0.05	0
• Wetlands (freshwater or tidal)	0.13	0.13	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• 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:

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): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control 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): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

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? ^ SEE BELOW 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:	Ff - Fluvaquents-Udfluvents complex	80 %
	Sm -Ridgebury complex	14 %
	RdA - Sun loam	6 %

d. What is the average depth to the water table on the project site? Average: _____ feet *SEE BELOW

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

f. Approximate proportion of proposed action site with slopes: 0-10%: 96 % of site
 10-15%: 2 % of site
 15% or greater: 2 % 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 864-139 Classification C(T)
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland Approximate Size _____
- Wetland No. (if regulated by DEC) ML-10

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: Principal Aquifer

* <u>Depth to Bedrock</u>	<u>Depth to Water</u>
6.5 FT >. - 80% of site	204 FT.- 80% of site
1.6 FT. - 6% of site	244 FT. - 6% of site
6.5 FT >.- 14% of site	36 FT. - 14% of site

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Squirrel _____</td> <td style="width: 33%;">Raccoon _____</td> <td style="width: 33%;">_____</td> </tr> <tr> <td>Deer _____</td> <td>Possum _____</td> <td>_____</td> </tr> <tr> <td>Rabbit _____</td> <td>Fox _____</td> <td>_____</td> </tr> </table>		Squirrel _____	Raccoon _____	_____	Deer _____	Possum _____	_____	Rabbit _____	Fox _____	_____
Squirrel _____	Raccoon _____	_____								
Deer _____	Possum _____	_____								
Rabbit _____	Fox _____	_____								
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p> <p>_____</p>										
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p> <p>_____</p>										
<p>E.3. Designated Public Resources On or Near Project Site</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>										
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>										
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>										
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>										

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: _____	
<i>iii.</i> Brief description of attributes on which listing is based: _____	
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	
If Yes:	
<i>i.</i> Describe possible resource(s): _____	
<i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: _____	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____	
<i>iii.</i> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

F. Additional Information

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

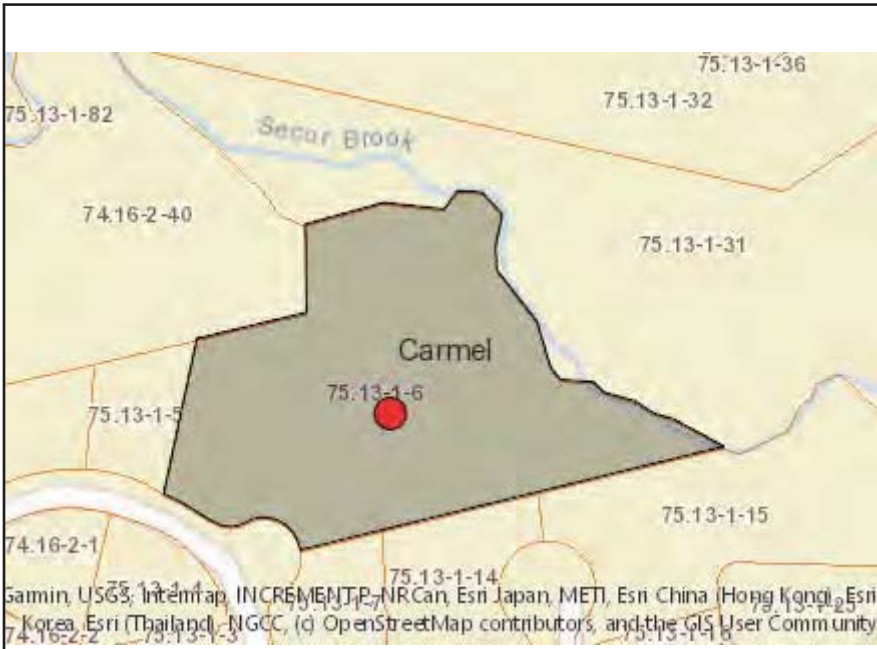
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

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

Applicant/Sponsor Name John Atzl Date 7-15-21, Revised 8-27-21

Signature  Title Land Surveyor



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.

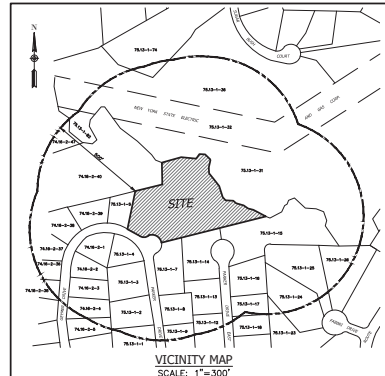


B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYC Watershed Boundary
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
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]	864-139
E.2.h.iv [Surface Water Features - Stream Classification]	C(T)
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):482.2
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	ML-10

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]	Principal Aquifer
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 or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No







- PLAN NOTES:**
1. OWNER/APPLICANT: SUEZ WATER NEW YORK, INC. 162 OLD MILL ROAD WEST NYACK, NY 10994
 2. BOUNDARY AND SITE INFORMATION TAKEN FROM A SURVEY PREPARED BY ATZL, NASHER AND ZIGLER, P.C.
 3. THE SUBJECT PROPERTY IS LOCATED WITHIN A 100 YEAR FLOOD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 36079C0202D DATED 3/4/2013.
 4. TOPOGRAPHY ELEVATIONS SHOWN ARE GENERALLY IN ACCORDANCE WITH NAD 1983 AND NAVD 1988 DATUM.
 5. SITE ADDRESS: 70 GEYMER DRIVE MAHOOPAC, NY 10541
 6. EXISTING USE: COMMERCIAL WATER SUPPLY
 7. ALL UTILITIES ARE ABOVE GRADE.

- LEGEND**
- EXISTING 2" CONTOUR
 - EXISTING 10" CONTOUR
 - EXISTING WATERLINE
 - EXISTING FIRE HYDRANT
 - EXISTING GAS LINE
 - EXISTING CATCH BASIN
 - EXISTING STORM DRAIN LINE
 - EXISTING SEWER MANHOLE
 - EXISTING SEWER LINE
 - EXISTING SPOT ELEVATION
 - EXISTING STORMWALL
 - EXISTING CHAIN LINK FENCE
 - EXISTING OVERHEAD WIRES
 - EXISTING TELECOMMUNICATION LINE
 - EXISTING ELECTRIC LINE
 - EXISTING SIGN
 - EXISTING LIGHT POLE
 - EXISTING UTILITY POLE
 - EXISTING WATER VALVE
 - EXISTING GAS VALVE
 - PROPOSED WATERLINE
 - PROPOSED GAS VALVE
 - PROPOSED UNDERGROUND ELECTRIC & GAS

75.13-1-5
N/F
ROBERT F SPATAFORE

EXISTING DWELLING

75.13-1-4
N/F
GUISEPPE & VIOLETA MAZZELLA

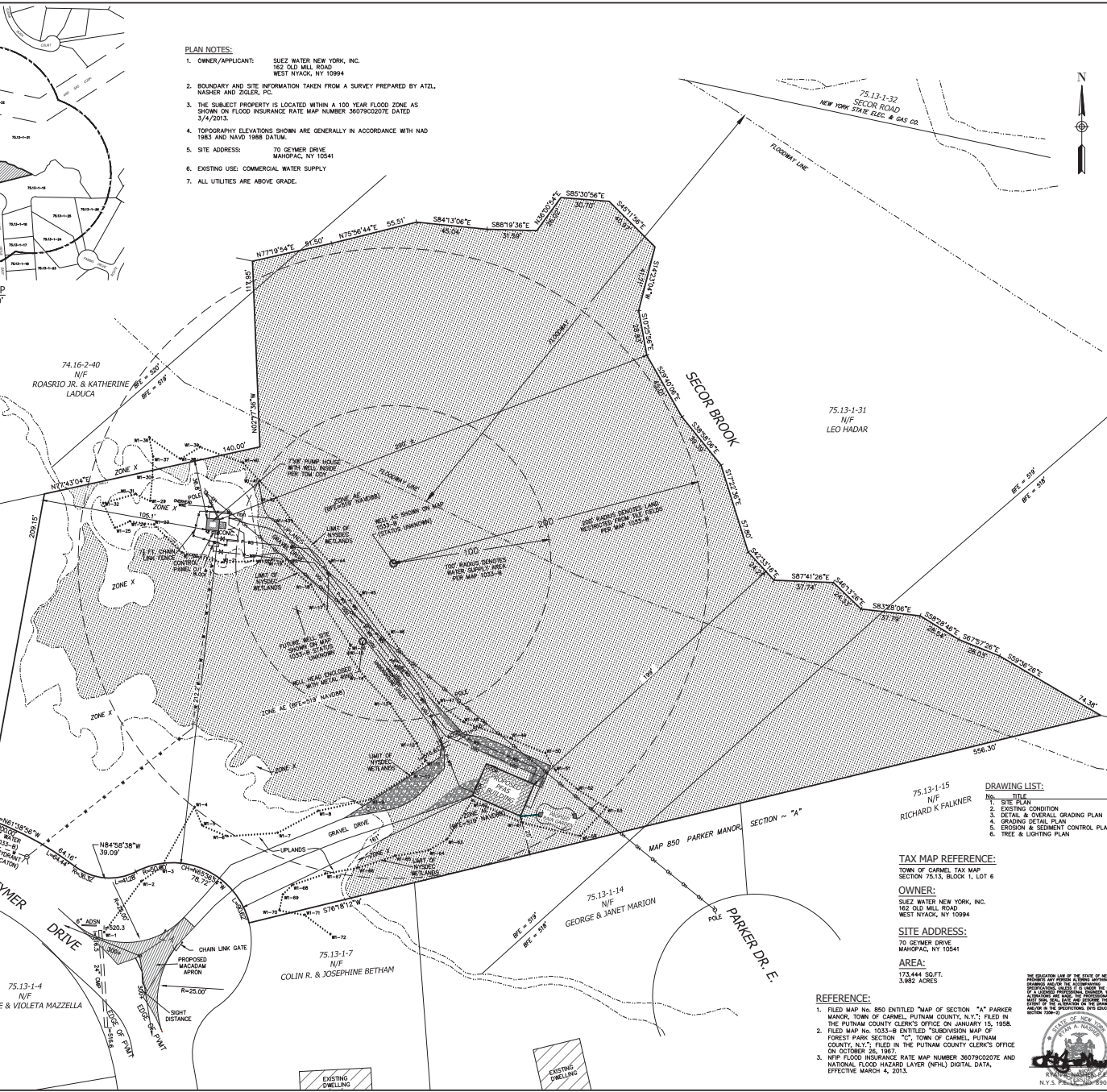
75.13-1-7
N/F
COLIN R. & JOSEPHINE BETHAM

75.13-1-14
N/F
GEORGE & JANET MARION

75.13-1-15
N/F
RICHARD K FALKNER

75.13-1-31
N/F
LEO HADAR

75.13-1-32
N/F
NEW YORK STATE ELEC. & GAS CO.



- OWNERS WITHIN 500 FEET:**
- | | |
|--|--|
| 74.16-2-1
KATHLEEN A MORRICK & BENJAMIN P SCHWARTZ
65 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-1-8
ANGEL MONTANEZ & JACQUELINE
MEYER PARKER DRIVE
MAHOOPAC, NY 10541 |
| 74.16-2-2
ROSAMARIE STASAK
95 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-9
ANTHONY J PIZZUTO & DIANA
RICHTER
48 PARKER DRIVE
MAHOOPAC, NY 10541 |
| 74.16-2-3
WILLIAM & DANIELLE DADDIO
101 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-12
MICHAEL J & SANDRA PEACE
9 PARKER DRIVE
MAHOOPAC, NY 10541 |
| 74.16-2-4
BRANDON FAVOCHA & DANIELLE
107 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-13
SUZIE NAZARIO
17 PARKER DRIVE EAST
MAHOOPAC, NY 10541 |
| 74.16-2-5
STEPHEN & MARY B BRUNETTI
117 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-14
GEORGE & JANET MARION
25 PARKER DRIVE EAST
MAHOOPAC, NY 10541 |
| 74.16-2-25
DAVID & ANN MARIE CATANIA
104 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-15
RICHARD K FALKNER
26 PARKER DRIVE EAST
MAHOOPAC, NY 10541 |
| 74.16-2-26
JEFFREY & JACQUELINE GIZA
95 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-16
SUSAN E ARVAY
22 PARKER DRIVE EAST
MAHOOPAC, NY 10541 |
| 74.16-2-27
MICHAEL A DEBARRO & STEPHANIE
SORO
14 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-17
JOSE & KIMBERLY POLANCO
18 PARKER DRIVE EAST
MAHOOPAC, NY 10541 |
| 74.16-2-28
EDGAR S & DIANE D MARRAFFINO
85 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-18
PAUL SYVAK
12 PARKER DRIVE EAST
MAHOOPAC, NY 10541 |
| 74.16-2-29
RONALD W & MARGE S POLLACK
PO BOX 3
FALLS, NY 10542 | 75.13-23
SEF & ALEEN BASULEVIC
3 FABRI COURT
MAHOOPAC, NY 10541 |
| 74.16-2-40
ROSARIO JR. & KATHERINE LADUCA
66 BROOKDALE ROAD
MAHOOPAC, NY 10541 | 75.13-24
MICHAEL C. & JENNIFER A PONTELLO
7 FABRI COURT
MAHOOPAC, NY 10541 |
| 74.16-2-47
ROSARIO JR. & KATHERINE LADUCA
66 BROOKDALE ROAD
MAHOOPAC, NY 10541 | 75.13-25
CARMELA GIULIANO
FABRI COURT
MAHOOPAC, NY 10541 |
| 75.13-1-1
ARTHUR & MARIE C BONNETT
69 PARKER DRIVE
MAHOOPAC, NY 10541 | 75.13-26
JOANNE COLANGELO 2019 TRUST
7 FABRI COURT
MAHOOPAC, NY 10541 |
| 75.13-1-2
VINCENT BELLA MARRA
35 PARKER DRIVE
MAHOOPAC, NY 10541 | 75.13-31
LEO HADAR
2250 BRINGHAM STREET, APT 3L
BROOKLYN, NY 11229 |
| 75.13-1-3
MICHAEL J & JANENE MOORE
63 PARKER DRIVE
MAHOOPAC, NY 10541 | 75.13-32
NYS ELEC & GAS CORP
CITY CENTER #1
PORTLAND, ME 04101 |
| 75.13-1-4
NICOLE PPE & VIOLETA MAZZELLA
73 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-36
NICOLE STERN
NEW ROUTE 6
MAHOOPAC, NY 10541 |
| 75.13-1-5
ROBERT F SPATAFORE
70 GEYMER DRIVE
MAHOOPAC, NY 10541 | 75.13-74
NICOLE STERN
NEW ROUTE 6
MAHOOPAC, NY 10541 |
| 75.13-1-7
COLIN R & JOSEPHINE BETHAM
66 BROOKDALE ROAD
MAHOOPAC, NY 10541 | 75.13-1-82
ROBERTO LADUCA
66 BROOKDALE ROAD
MAHOOPAC, NY 10541 |

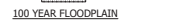
NET LOT AREA CALCULATION:
 GROSS LOT AREA = 173,444 SQ.FT.
 LESS 90% OF WETLANDS = 2,161 SQ.FT.
 LESS 90% OF 100 YEAR FLOODPLAIN = 142,653 SQ.FT.
 NET LOT AREA = 28,030 SQ.FT.

DISTRICT REGULATIONS:

ZONE "B" DISTRICT "C1"	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	120,000 SQ.FT.	26,000 SQ.FT. NET	26,000 SQ.FT. NET
MINIMUM LOT WIDTH	200 FT.	178.8 FT.	178.8 FT.
MINIMUM STREET FRONTAGE (ON TOWN ROAD)	100 FT.	196.3 FT.	196.3 FT.
MINIMUM STREET FRONTAGE (ON OUL-DE-SAC)	50 FT.	196.3 FT.	196.3 FT.
MINIMUM FRONT YARD	40 FT.	252.2 FT.	161 FT.
MINIMUM SIDE YARD	25 FT.	105.1 FT.	29 FT.
MINIMUM TOTAL SIDE YARD	50 FT.	395.6 FT.	130.1 FT.
MINIMUM REAR YARD	40 FT.	260.4 FT.	199.7 FT.
MAXIMUM BUILDING HEIGHT	35 FT.	14 FT.	22 FT.
MAXIMUM LOT COVERAGE	0.15	0.02	0.03
MINIMUM LANDSCAPE BUFFER	10 FT.	0 FT.	0 FT.

CONDITIONAL USE APPROVAL REQUIRED FROM THE PLANNING BOARD

PARKING REQUIREMENTS:
 1 SPACE/EMPLOYEE
 1 SPACE/SERVICE VEHICLE
 NO LESS THAN 2 SPACES REQUIRED



- DRAWING LIST:**
- | NO. | TITLE | ORIGIN DATE | REVISION |
|-----|---------------------------------|-----------------|-----------------|
| 1. | SITE PLAN | JULY 12, 2021 | AUGUST 23, 2021 |
| 2. | EXISTING CONDITION | JULY 12, 2021 | AUGUST 23, 2021 |
| 3. | DETAIL & OVERALL GRADING PLAN | AUGUST 23, 2021 | AUGUST 23, 2021 |
| 4. | GRADING DETAIL PLAN | JULY 12, 2021 | AUGUST 23, 2021 |
| 5. | EROSION & SEDIMENT CONTROL PLAN | JULY 12, 2021 | AUGUST 23, 2021 |
| 6. | TREE & LIGHTING PLAN | JULY 12, 2021 | AUGUST 23, 2021 |

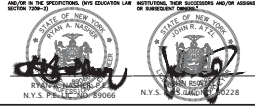
TAX MAP REFERENCE:
 TOWN OF CARMEL TAX MAP
 SECTION 75.13, BLOCK 1, LOT 6

OWNER:
 SUEZ WATER NEW YORK, INC.
 162 OLD MILL ROAD
 WEST NYACK, NY 10994

SITE ADDRESS:
 70 GEYMER DRIVE
 MAHOOPAC, NY 10541

AREA:
 173,444 SQ.FT.
 3.985 ACRES

- REFERENCE:**
1. FLEED MAP NO. 850 ENTITLED "MAP OF SECTION "A" PARKER MANOR, TOWN OF CARMEL, PUTNAM COUNTY, N.Y."; FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON JANUARY 15, 1998.
 2. FLEED MAP NO. 1033-B ENTITLED "SUBDIVISION MAP OF FOREST PARK SECTION "C1", TOWN OF CARMEL, PUTNAM COUNTY, N.Y."; FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON OCTOBER 26, 1997.
 3. NEW FLOOD INSURANCE RATE MAP NUMBER 36079C0202D AND NATIONAL FLOOD HAZARD LAYER (NFH) DIGITAL DATA, EFFECTIVE MARCH 4, 2013.



ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS

832 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-5543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

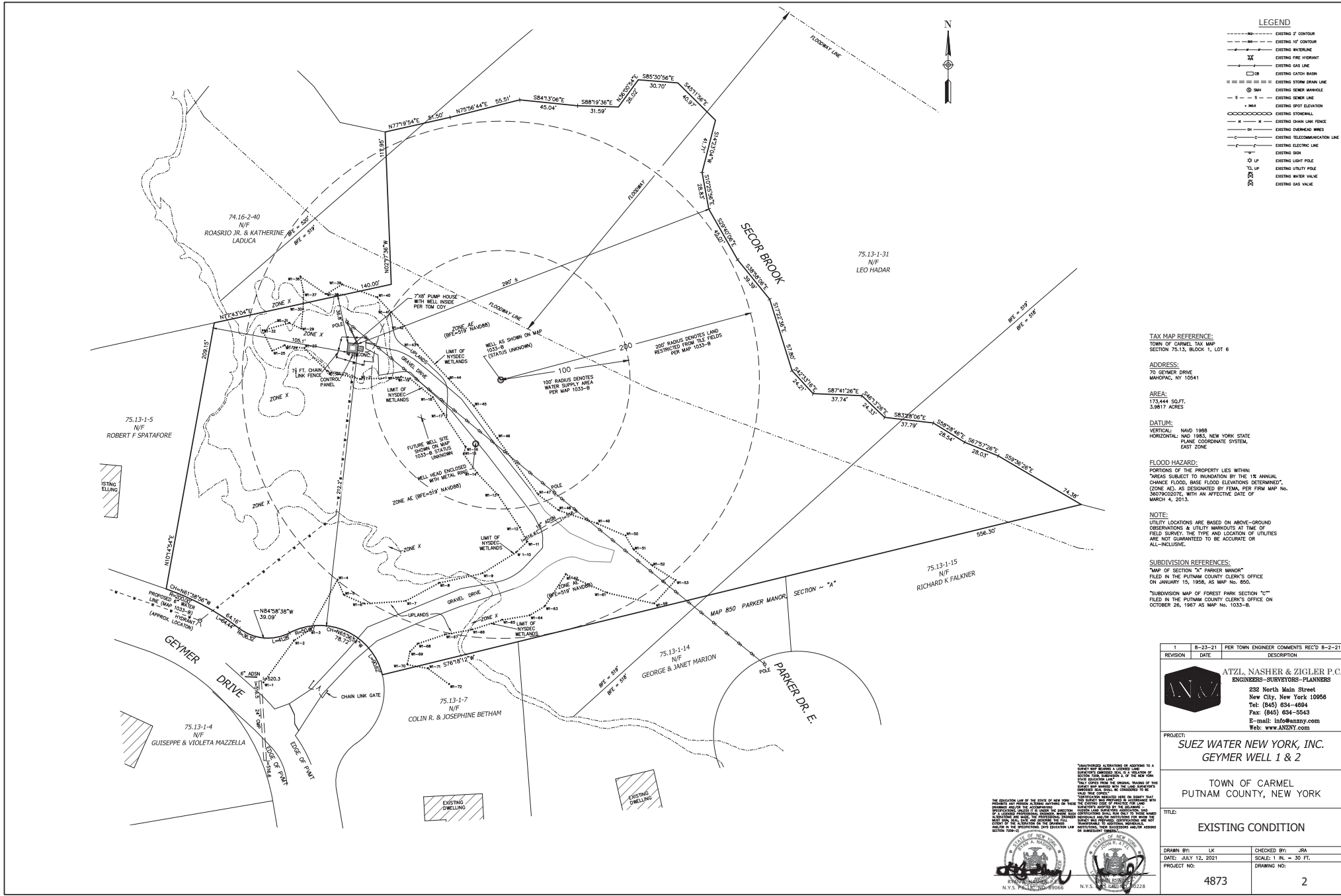
PROJECT:
 SUEZ WATER NEW YORK, INC.
 GEYMER WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

SITE PLAN

DRAWN BY: LK **CHECKED BY:** JRA
DATE: JULY 12, 2021 **SCALE:** 1 IN. = 30 FT.
PROJECT NO.: **DRAWING NO.:**

4873 1



LEGEND

- Existing 2' Contour
- Existing 10' Contour
- Existing Waterline
- Existing Fire Hydrant
- Existing Gas Line
- Existing Catch Basin
- Existing Storm Drain Line
- Existing Sewer Manhole
- Existing Sewer Line
- Existing Spot Elevation
- Existing Stone Wall
- Existing Chain Link Fence
- Existing Concrete Wall
- Existing Telecommunication Line
- Existing Electric Line
- Existing Sign
- Existing Light Pole
- Existing Utility Pole
- Existing Water Valve
- Existing Gas Valve

TAX MAP REFERENCE:
 TOWN OF CARMEL TAX MAP
 SECTION 75.13, BLOCK 1, LOT 6

ADDRESS:
 70 GEYMER DRIVE
 MAHOEPA, NY 10541


AREA:
 173,444 SQ. FT.
 3.9817 ACRES

DATUM:
 VERTICAL: NAVD 1985
 HORIZONTAL: NAD 1983, NEW YORK STATE
 PLANE COORDINATE SYSTEM,
 EAST ZONE

FLOOD HAZARD:
 PORTIONS OF THE PROPERTY LIES WITHIN:
 "AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL
 CHANCE FLOOD, BASE FLOOD ELEVATIONS DETERMINED",
 (ZONE A), AS DESIGNATED BY FEMA, PER FIRM NO.
 36079C0207E, WITH AN EFFECTIVE DATE OF
 MARCH 4, 2013.

NOTE:
 UTILITY LOCATIONS ARE BASED ON ABOVE-GROUND
 OBSERVATIONS & UTILITY MARKOUTS AT TIME OF
 FIELD SURVEY. THE TYPE AND LOCATION OF UTILITIES
 ARE NOT GUARANTEED TO BE ACCURATE OR
 ALL-INCLUSIVE.

SUBDIVISION REFERENCES:
 "MAP OF SECTION 'A', PARKER MANOR"
 FILED IN THE PUTNAM COUNTY CLERK'S OFFICE
 ON JANUARY 15, 1956, AS MAP NO. 850.
 "SUBDIVISION MAP OF FOREST PARK SECTION 'C'"
 FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON
 OCTOBER 26, 1987 AS MAP NO. 1033-B.

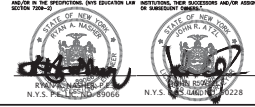
1	8-23-21	PER TOWN ENGINEER COMMENTS REC'D 8-2-21
REVISION	DATE	DESCRIPTION
 ATZIL, NASHER & ZIGLER P.C. ENGINEERS - SURVEYORS - PLANNERS 832 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-5543 E-mail: info@anzy.com Web: www.ANZY.com		

PROJECT:
SUEZ WATER NEW YORK, INC.
GEYMER WELL 1 & 2

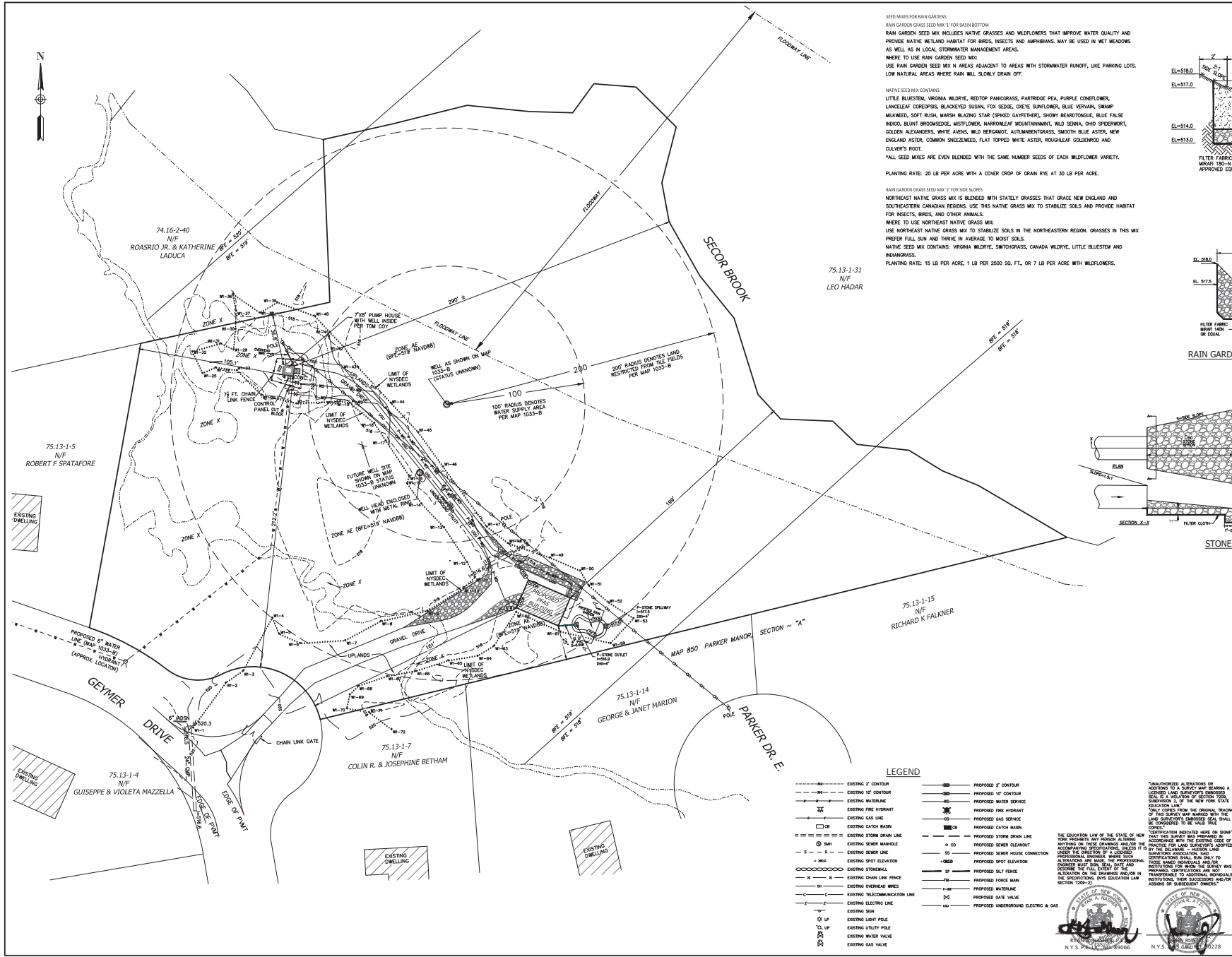
TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
EXISTING CONDITION

DRAWN BY: LX	CHECKED BY: JRA
DATE: JULY 12, 2021	SCALE: 1 IN. = 30 FT.
PROJECT NO:	DRAWING NO:
4873	2



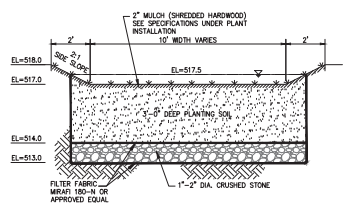
THE EXISTING CONDITION OF THE PROPERTY IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE PROPERTY AND HAS FOUND NO EVIDENCE OF ANY OTHER UTILITIES OR STRUCTURES. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE PROPERTY AND HAS FOUND NO EVIDENCE OF ANY OTHER UTILITIES OR STRUCTURES. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE PROPERTY AND HAS FOUND NO EVIDENCE OF ANY OTHER UTILITIES OR STRUCTURES.



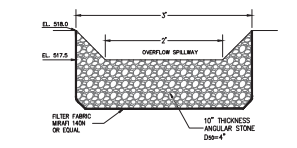
SEED MIXES FOR RAIN GARDENS
 RAIN GARDEN GRASS SEED MIX #1 FOR BASH BOTTOM
 RAIN GARDEN SEED MIX INCLUDES NATIVE GRASSES AND WILDFLOWERS THAT IMPROVE WATER QUALITY AND PROVIDE NATIVE WETLAND HABITAT FOR BIRDS, INSECTS AND AMPHIBIANS. MAY BE USED IN WET MEADOWS AS WELL AS IN LOCAL STORMWATER MANAGEMENT AREAS.
 WHERE TO USE RAIN GARDEN SEED MIX:
 USE RAIN GARDEN SEED MIX IN AREAS ADJACENT TO AREAS WITH STORMWATER RUNOFF, LIKE PARKING LOTS. LOW NATURAL AREAS WHERE RAIN WILL SLOWLY DRAIN OFF.

NATIVE SEED MIX CONTAINS:
 LITTLE BLUESTEM, VIRGINIA WILDRYE, REDTOP PANICGRASS, PARTRIDGE PEA, PURPLE CONFLOWER, LANCELEAF COROPUS, BRACKETED SUSAN, FOX SEED, GREY SAILFLOWER, BLUE VERVAIN, SWAMP MILKWEED, SOFT RUSH, MARSH BLAZING STAR (SPINED GAYTHERS), SNOWY BEARDEWING, BLUE FUSE, INDOLE, BLUNT BROODSEED, WESTFLOWER, NARROWLEAF MOUNTAINMINT, WILD SENNA, OHIO SPIDERTHROW, GOLDEN ALEXANDERS, WHITE AVENS, WILD BERGAMOT, AUTUMNHEALTHGRASS, SMOOTH BLUE ASTER, NEW ENGLAND ASTER, COMMON ENGINEWEED, FLAT TOPPED WHITE ASTER, HOOVERLEAF GOLDENROD AND CULVERS ROOT.
 *ALL SEED MIXES ARE EVEN BLENDED WITH THE SAME NUMBER SEEDS OF EACH WILDFLOWER VARIETY.
 PLANTING RATE: 20 LB PER ACRE WITH A COVER CROP OF GRAM GRASS AT 30 LB PER ACRE.

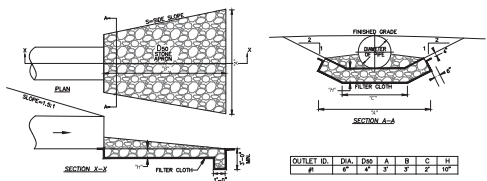
RAIN GARDEN GRASS SEED MIX #2 FOR SIDE SLOPES
 NORTHEAST NATIVE GRASS MIX IS BLENDED WITH STABLELY GRASSES THAT GRAZE NEW ENGLAND AND SOUTHEASTERN CANADIAN REGIONS. USE THIS NATIVE GRASS MIX TO STABILIZE SOILS AND PROVIDE HABITAT FOR INSECTS, BIRDS, AND OTHER ANIMALS.
 WHERE TO USE NORTHEAST NATIVE GRASS MIX:
 USE NORTHEAST NATIVE GRASS MIX TO STABILIZE SOILS IN THE NORTHEASTERN REGION. GRASSES IN THIS MIX PREFER FULL SUN AND THRIVE IN AVERAGE TO MOST SOILS.
 NATIVE SEED MIX CONTAINS: VIRGINIA WILDRYE, SMITHGRASS, CANADA WILDRYE, LITTLE BLUESTEM AND INDIANGRASS.
 PLANTING RATE: 15 LB PER ACRE, 1 LB PER 2000 SQ. FT., OR 7 LB PER ACRE WITH WILDFLOWERS.



RAIN GARDEN SECTION A-A
 SCALE: 1"=3'



RAIN GARDEN OVERFLOW SPILLWAY DETAIL
 SCALE: 1"=1'



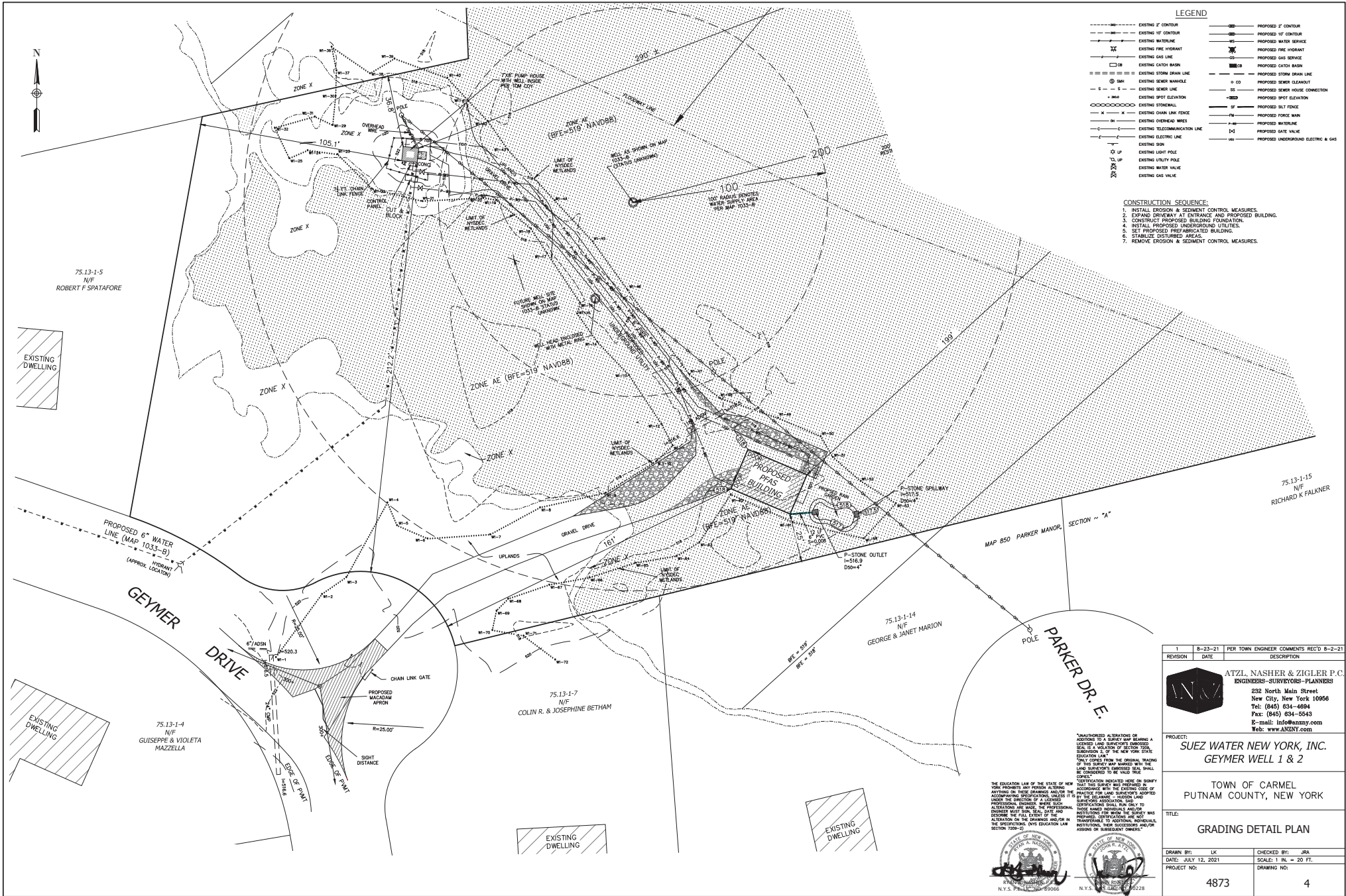
STONE OUTLET DETAIL
 N.T.S.

LEGEND

---○---	EXISTING 3" CONTOUR	---	PROPOSED 3" CONTOUR
---10---	EXISTING 10" CONTOUR	---	PROPOSED 10" CONTOUR
---	EXISTING WATERLINE	---	PROPOSED WATER SERVICE
---	EXISTING FIRE HYDRANT	---	PROPOSED FIRE HYDRANT
---	EXISTING GAS SERVICE	---	PROPOSED GAS SERVICE
---	EXISTING CATCH BASIN	---	PROPOSED CATCH BASIN
---	EXISTING STONE DRAIN LINE	---	PROPOSED STONE DRAIN LINE
---	EXISTING SENEH HANDLE	---	PROPOSED SENEH CLEANOUT
---	EXISTING SENEH LINE	---	PROPOSED SENEH HOUSE CONNECTION
---	EXISTING SPOT ELEVATION	---	PROPOSED SPOT ELEVATION
---	EXISTING STONEWALL	---	PROPOSED SILT FENCE
---	EXISTING CHAIN LINK FENCE	---	PROPOSED FORCE MAIN
---	EXISTING GAS LINE	---	PROPOSED WATERLINE
---	EXISTING ELECTRIC LINE	---	PROPOSED GATE VALVE
---	EXISTING SIGN	---	PROPOSED UNDERGROUND ELECTRIC & GAS
---	EXISTING LIGHT POLE	---	
---	EXISTING UTILITY POLE	---	
---	EXISTING WATER VALVE	---	
---	EXISTING GAS VALVE	---	

UNANNOUNCED ALTERATION OF ANYTHING TO A SURVEY MAP BEARING A LICENSE AND SURVEYOR'S EMBROIDERED SEAL IS A VIOLATION OF SECTION 7005, SUBSECTION 2, OF THE NEW YORK STATE EDUCATION LAW.
 ONLY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LICENSE SURVEYOR'S EMBROIDERED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
 THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING INSTRUMENTS, UNLESS IT IS UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. THESE SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND DISCLOSE THE FULL EXTENT OF THE ALTERATION ON THE DRAWING AND/OR INSTRUMENTS (NY'S EDUCATION LAW SECTION 7005-2)
 CERTIFICATION INDICATED HEREON DENIES THAT THIS SURVEY WAS PERFORMED OR IN ANY MANNER FOR LAND SURVEYORS ADOPTED BY THE SURVEYORS ASSOCIATION OF NEW YORK STATE. CERTIFICATIONS SHALL RUN ONLY TO THOSE NAMED INDIVIDUALS AND NOT TO INSTITUTIONS FOR WHICH THE SURVEY WAS PERFORMED. CERTIFICATION AND PROFESSIONAL SEALS ARE REQUIRED FOR ALL INSTRUMENTS, NEW SURVEYS AND/OR ALTERATIONS OF SUBSEQUENT WORKERS.
 STATE OF NEW YORK
 STATE OF NEW YORK
 N.Y.S. PROFESSIONAL ENGINEER 89066
 N.Y.S. PROFESSIONAL ENGINEER 82228

1	8-23-21	PER TOWN ENGINEER COMMENTS REC'D 8-2-21
REVISION	DATE	DESCRIPTION
 ATZI, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 832 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-6543 E-mail: info@anzny.com Web: www.ANZNY.com		
PROJECT: SUEZ WATER NEW YORK, INC. GEYMER WELL 1 & 2		
TOWN OF CARMEL PUTNAM COUNTY, NEW YORK		
TITLE: DETAIL & OVERALL GRADING PLAN		
DRAWN BY: LK	CHECKED BY: JRA	
DATE: JULY 12, 2021	SCALE: 1" IN. = 30 FT.	
PROJECT NO:	DRAWING NO:	
4873	3	



LEGEND

---	EXISTING 2' CONTOUR	---	PROPOSED 2' CONTOUR
---	EXISTING 10' CONTOUR	---	PROPOSED 10' CONTOUR
---	EXISTING WATERLINE	---	PROPOSED WATER SERVICE
---	EXISTING FIRE HYDRANT	---	PROPOSED FIRE HYDRANT
---	EXISTING GAS LINE	---	PROPOSED GAS SERVICE
---	EXISTING CATCH BASIN	---	PROPOSED CATCH BASIN
---	EXISTING STONE DRAIN LINE	---	PROPOSED STONE DRAIN LINE
---	EXISTING SEWER MANHOLE	---	PROPOSED SEWER CLEANOUT
---	EXISTING SEWER LINE	---	PROPOSED SEWER HOSE CONNECTION
---	EXISTING OVERHEAD WIRE	---	PROPOSED SPOT ELEVATION
---	EXISTING SPOT ELEVATION	---	PROPOSED SPOT ELEVATION
---	EXISTING STONEWALL	---	PROPOSED BELT FENCE
---	EXISTING CHAIN LINK FENCE	---	PROPOSED FORCE MAIN
---	EXISTING TELECOMMUNICATION LINE	---	PROPOSED WATERLINE
---	EXISTING ELECTRIC LINE	---	PROPOSED GATE VALVE
---	EXISTING SPA	---	PROPOSED UNDERGROUND ELECTRIC & GAS
---	EXISTING LIGHT POLE	---	
---	EXISTING UTILITY POLE	---	
---	EXISTING WATER VALVE	---	
---	EXISTING GAS VALVE	---	

- CONSTRUCTION SEQUENCE:**
1. INSTALL EROSION & SEDIMENT CONTROL MEASURES.
 2. EXPAND DRIVEWAY AT ENTRANCE AND PROPOSED BUILDING.
 3. CONSTRUCT PROPOSED BUILDING FOUNDATION.
 4. INSTALL PROPOSED UNDERGROUND UTILITIES.
 5. SET PROPOSED PREFABRICATED BUILDING.
 6. STABILIZE DISTURBED AREAS.
 7. REMOVE EROSION & SEDIMENT CONTROL MEASURES.

75.13-1-5
N/F
ROBERT F. SPATAFORE

75.13-1-15
N/F
RICHARD K. FALKNER

75.13-1-14
N/F
GEORGE & JANET MARION

75.13-1-7
N/F
COLIN R. & JOSEPHINE BETHAM

75.13-1-4
N/F
GIUSEPPE & VIOLETA
MAZZELLA

1	8-23-21	PER TOWN ENGINEER COMMENTS REC'D 8-2-21
REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
ENGINEERS - SURVEYORS - PLANNERS
832 North Main Street
New City, New York 10956
Tel: (845) 634-4894
Fax: (845) 634-6543
E-mail: info@anzny.com
Web: www.ANZNY.com

PROJECT:
SUEZ WATER NEW YORK, INC.
GEYMER WELL 1 & 2

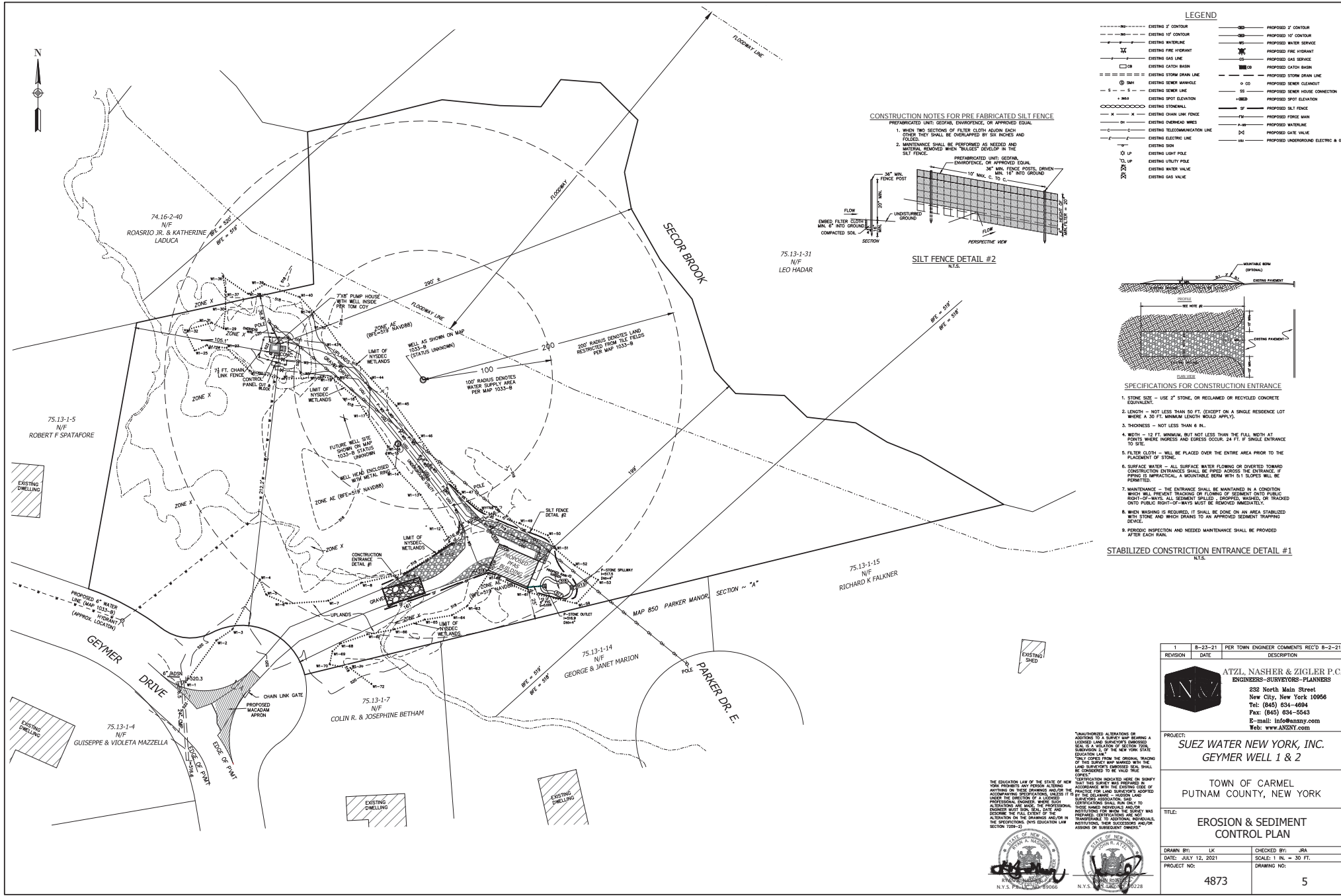
TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
GRADING DETAIL PLAN

DRAWN BY: LX	CHECKED BY: JRA
DATE: JULY 12, 2021	SCALE: 1 IN. = 20 FT.
PROJECT NO: 4873	DRAWING NO: 4



"UNRECORDED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSE AND IDENTIFYING NUMBERED BY THE SURVEYOR, UNDER SECTION 2 OF THE NEW YORK STATE EDUCATION LAW,
ONLY COPIES FROM THE ORIGINAL RECORD OF THE SURVEY MAP BEARING THE LICENSE SURVEYOR'S LICENSE NO. SHALL BE CONSIDERED TO BE VALID THE COPIES
CERTIFICATION INDICATED HERE ON DENY THAT THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH THE ETHICS CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE SURVEYORS ASSOCIATION, THE SURVEYORS ASSOCIATION, 600 WEST 116TH STREET, NEW YORK, N.Y. 10030. CERTIFICATIONS SHALL RUN ONLY TO INDIVIDUALS WHOSE LICENSES ARE CURRENT AND WHOSE LICENSES ARE ACTIVE. THE PROFESSIONAL ENGINEER, SURVEYOR, OR PLANNER, BY SIGNING THESE ALTERNATIONS, IS MADE, THE PROFESSIONAL ENGINEER, SURVEYOR, OR PLANNER, RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERNATION TO THE DRAWING AND FOR THE SPECIFICATIONS (NY'S EDUCATION LAW SECTION 700-2)
THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON FROM SIGNING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING INSTRUMENTS, UNLESS IT IS UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, SURVEYOR, OR PLANNER, WHOSE LICENSE IS ACTIVE. ANY SUCH ALTERATION TO THESE DRAWINGS IS MADE, THE PROFESSIONAL ENGINEER, SURVEYOR, OR PLANNER, RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERNATION TO THE DRAWING AND FOR THE SPECIFICATIONS (NY'S EDUCATION LAW SECTION 700-2)
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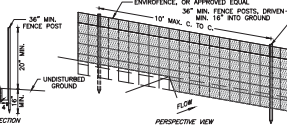


LEGEND

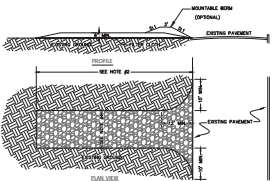
- | | | | |
|-----|---------------------------------|-----|---|
| --- | EXISTING 1' CONTOUR | --- | PROPOSED 1' CONTOUR |
| --- | EXISTING 10' CONTOUR | --- | PROPOSED 10' CONTOUR |
| --- | EXISTING WATERLINE | --- | PROPOSED WATER SERVICE |
| --- | EXISTING FIRE HYDRANT | --- | PROPOSED FIRE HYDRANT |
| --- | EXISTING GAS LINE | --- | PROPOSED GAS SERVICE |
| --- | EXISTING CATCH BASIN | --- | PROPOSED CATCH BASIN |
| --- | EXISTING STORM DRAIN LINE | --- | PROPOSED STORM DRAIN LINE |
| --- | EXISTING SENDER MANHOLE | --- | PROPOSED SENDER CLEANOUT |
| --- | EXISTING SENDER LINE | --- | PROPOSED SENDER HOUSE CONNECTION |
| --- | EXISTING SPOUT ELEVATION | --- | PROPOSED SPOUT ELEVATION |
| --- | EXISTING STONEWALL | --- | PROPOSED SILT FENCE |
| --- | EXISTING CHAIN LINK FENCE | --- | PROPOSED FENCE MARK |
| --- | EXISTING CHAIN LINK FENCE | --- | PROPOSED WATERLINE |
| --- | EXISTING CHAIN LINK FENCE | --- | PROPOSED GATE VALVE |
| --- | EXISTING TELECOMMUNICATION LINE | --- | PROPOSED UNDERGROUND ELECTRIC & OPTICAL |
| --- | EXISTING ELECTRIC LINE | --- | |
| --- | EXISTING SON | --- | |
| --- | EXISTING LIGHT POLE | --- | |
| --- | EXISTING UTILITY POLE | --- | |
| --- | EXISTING WATER VALVE | --- | |
| --- | EXISTING GAS VALVE | --- | |

CONSTRUCTION NOTES FOR PRE FABRICATED SILT FENCE

1. WHEN TWO SECTIONS OF FILTER CLOTH ALLOW EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FASTENED.
2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.




SILT FENCE DETAIL #2
N.T.S.



STABILIZED CONSTRUCTION ENTRANCE DETAIL #1
N.T.S.

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 6 IN.
4. WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR. 24 FT. IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PROTECTED. THE ENTRANCE PIPING IS IMPRACTICAL. A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE FORMED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. ALL SEDIMENT (SLOTTED, DISPOSED, WASHED, OR TRACKED) ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
8. WHEN REPAIRS ARE REQUIRED, IT SHALL BE DONE IN AN AREA ESTABLISHED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1	8-23-21	PER TOWN ENGINEER COMMENTS REC'D 8-2-21
REVISION	DATE	DESCRIPTION
 ATZLI, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 832 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-6543 E-mail: info@atzeny.com Web: www.atzeny.com		
PROJECT: SUEZ WATER NEW YORK, INC. GEYMER WELL 1 & 2		
TOWN OF CARMEL PUTNAM COUNTY, NEW YORK		
TITLE: EROSION & SEDIMENT CONTROL PLAN		
DRAWN BY: LK DATE: JULY 12, 2021 PROJECT NO:	CHECKED BY: JRA SCALE: 1 IN. = 30 FT. DRAWING NO:	4873 5

UNRECORDED ALTERNATION OF ADDITIONS TO A SURVEY MAP BEARING A LICENSE AND SURVEYOR'S EMPLOYMENT AS A MEMBER OF THE NEW YORK STATE EDUCATION LAW.

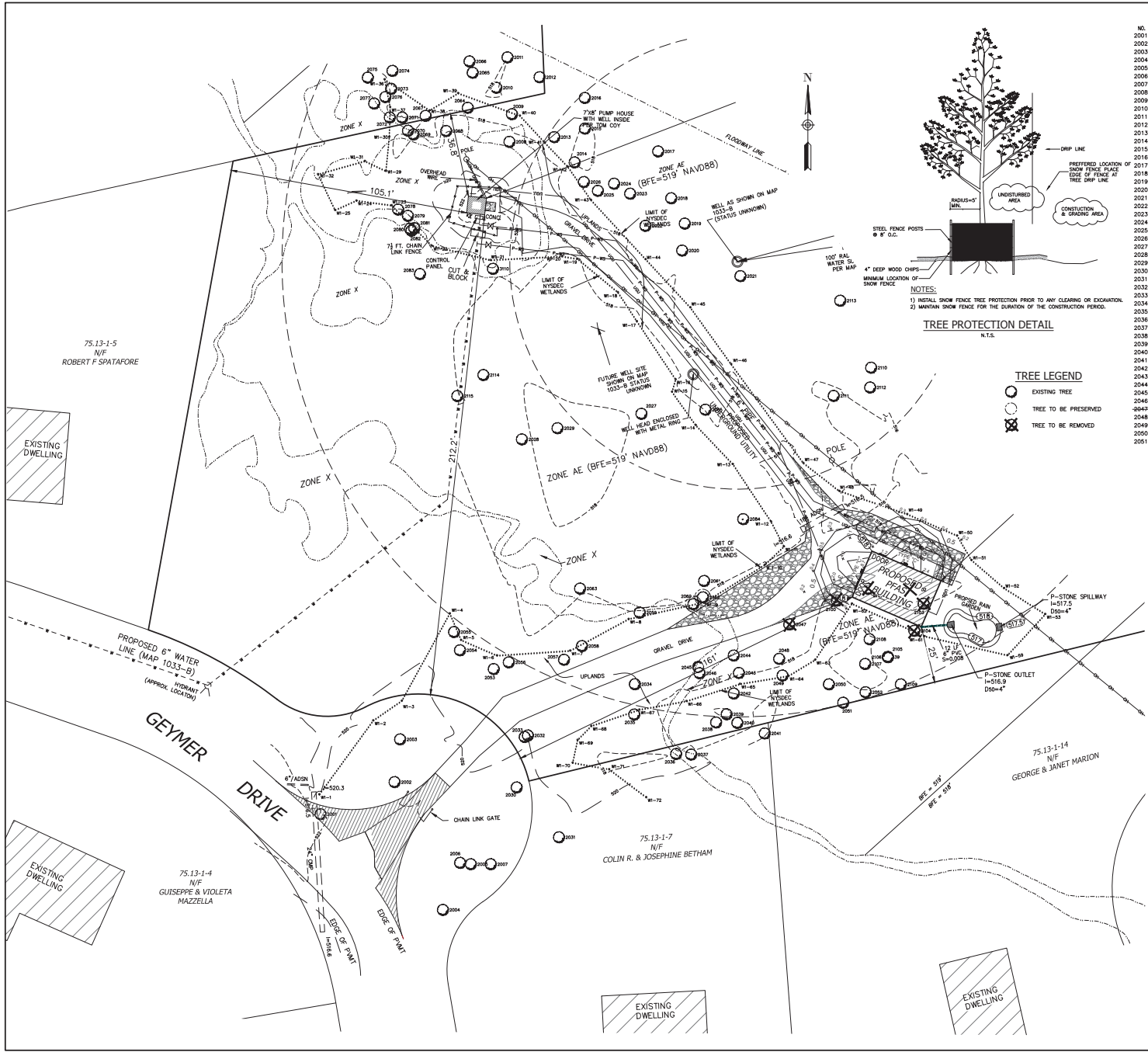
THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING INSTRUMENTS, UNLESS IT IS UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, SHALL BE CONSIDERED TO BE A FRAUD. THE PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERATION TO THE DRAWING AND/OR INSTRUMENTS (NY EDUCATION LAW SECTION 709-2)

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING INSTRUMENTS, UNLESS IT IS UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, SHALL BE CONSIDERED TO BE A FRAUD. THE PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERATION TO THE DRAWING AND/OR INSTRUMENTS (NY EDUCATION LAW SECTION 709-2)

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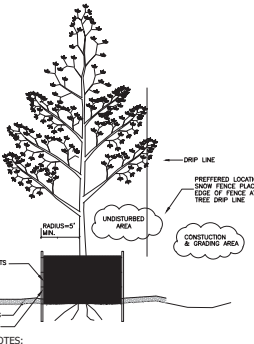
STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 N.Y.S. REG. NO. 10000-9906

STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 N.Y.S. REG. NO. 10000-9928



TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
2001	10"	TRIPLE MAPLE	GOOD	2052	7"	MAPLE	GOOD
2002	60"	WILLOW	GOOD	2053	18"	OKM	GOOD
2003	6"	HICKORY	GOOD	2054	8"	TULIP	GOOD
2004	23"	MAPLE	GOOD	2055	23"	POPLAR	GOOD
2005	12"	MAPLE	GOOD	2056	10"	TWIN MAPLE	GOOD
2006	16"	OKM	POOR	2057	6"	TWIN ASH	POOR
2007	24"	MAPLE	GOOD	2058	7"	MAPLE	GOOD
2008	10"	BIRCH	GOOD	2059	8"	QUAD MAPLE	GOOD
2009	10"	MAPLE	GOOD	2060	11"	MAPLE	GOOD
2010	15"	TWIN MAPLE	GOOD	2061	7"	MAPLE	GOOD
2011	6"	BIRCH	GOOD	2062	6"	ASH	GOOD
2012	6"	MAPLE	POOR	2063	8"	ELM	POOR
2013	12"	MAPLE	GOOD	2064	13"	TWIN MAPLE	POOR
2014	15"	MAPLE	GOOD	2065	6"	ASH	POOR
2015	15"	MAPLE	POOR	2066	7"	MAPLE	POOR
2016	16"	MAPLE	GOOD	2067	14"	MAPLE	POOR
2017	10"	TWIN MAPLE	GOOD	2068	12"	OKM	GOOD
2018	9"	MAPLE	POOR	2069	7"	BIRCH	POOR
2019	7"	MAPLE	POOR	2070	10"	BIRCH	GOOD
2020	15"	MAPLE	POOR	2071	6"	MAPLE	POOR
2021	14"	MAPLE	GOOD	2072	7"	OKM	GOOD
2022	10"	MAPLE	GOOD	2073	12"	OKM	GOOD
2023	11"	MAPLE	GOOD	2074	6"	BIRCH	POOR
2024	6"	HICKORY	GOOD	2075	10"	OKM	GOOD
2025	6"	TWIN BIRCH	GOOD	2076	7"	OKM	GOOD
2026	7"	TULIP	GOOD	2077	10"	OKM	GOOD
2027	11"	MAPLE	GOOD	2078	10"	MAPLE	GOOD
2028	10"	MAPLE	GOOD	2079	11"	OKM	GOOD
2029	9"	MAPLE	GOOD	2080	10"	TULIP	GOOD
2030	12"	TULIP	GOOD	2081	10"	MAPLE	GOOD
2031	30"	MAPLE	GOOD	2082	9"	MAPLE	GOOD
2032	7"	MAPLE	GOOD	2083	20"	MAPLE	GOOD
2033	10"	MAPLE	GOOD	2084	6"	QUAD MAPLE	POOR
2034	7"	MAPLE	GOOD	2085	10"	MAPLE	GOOD
2035	21"	MAPLE	GOOD	-4400	6"	QUAD-HICKORY	-6000
2036	17"	MAPLE	GOOD	-4401	6"	TWIN-HICKORY	-6000
2037	14"	MAPLE	GOOD	-4402	6"	MAPLE	-6000
2038	9"	MAPLE	POOR	-4403	6"	MAPLE	-6000
2039	11"	ASH	POOR	-4404	6"	HICKORY	-6000
2040	7"	ASH	POOR	2105	9"	MAPLE	GOOD
2041	14"	MAPLE	GOOD	2106	9"	MAPLE	GOOD
2042	6"	MAPLE	POOR	2107	9"	MAPLE	GOOD
2043	6"	ASH	POOR	2108	8"	TWIN MAPLE	GOOD
2044	8"	TWIN ASH	POOR	2109	8"	MAPLE	GOOD
2045	11"	ASH	POOR	2110	14"	TWIN MAPLE	GOOD
2046	6"	ASH	POOR	2111	9"	ELM	POOR
-0447	6"	ASH	POOR	2112	10"	HICKORY	GOOD
2048	13"	MAPLE	POOR	2113	10"	MAPLE	POOR
2049	10"	TWIN MAPLE	POOR	2114	8"	MAPLE	POOR
2050	12"	TULIP	GOOD	2115	6"	HICKORY	POOR
2051	6"	MAPLE	GOOD	3110	18"	OKM	POOR



TREE LEGEND

- EXISTING TREE
- TREE TO BE PRESERVED
- ⊗ TREE TO BE REMOVED



CONTACT INFORMATION:
 DAMIAN SALES (732) 985-8866
 RAB LIGHTING (201) 931-8082

SLIM12Y WALL MOUNT DETAIL

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating
C	2	SLIM12Y	SINGLE	N.A.	1.000	Wall Mount	B1-L10-G0

NOTE:
 WATER REQUESTED FOR LANDSCAPING.

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON FROM ATTESTING OR THESE DRAWINGS AND FOR THE ACCOMPANYING PROFESSIONAL ENGINEER'S DESIGNATION AND SEAL. THE PROFESSIONAL ENGINEER'S DESIGNATION AND SEAL SHALL BE VALID ONLY TO THE EXTENT OF THE DESIGNATION AND SEAL. ANY OTHER DESIGNATION OR SEAL IS VOID.

UNAUTHORIZED ALTERATION OF ANYTHING ON THESE DRAWINGS OR FOR THE ACCOMPANYING PROFESSIONAL ENGINEER'S DESIGNATION AND SEAL SHALL BE CONSIDERED TO BE VOID.

PROFESSIONAL ENGINEER'S DESIGNATION AND SEAL SHALL BE VALID ONLY TO THE EXTENT OF THE DESIGNATION AND SEAL. ANY OTHER DESIGNATION OR SEAL IS VOID.



ATZLI, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 832 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-6543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

PROJECT:
 SUEZ WATER NEW YORK, INC.
 GEYMER WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE:
 TREE & LIGHTING PLAN

REVISION:

NO.	DATE	DESCRIPTION
1	8-23-21	PER TOWN ENGINEER COMMENTS REC'D 8-2-21

DRAWN BY: LX **CHECKED BY:** JRA
DATE: JULY 12, 2021 **SCALE:** 1 IN. = 20 FT.
PROJECT NO.: 4873 **DRAWING NO.:** 6



July 22 , 2021

**SUEZ WATER NEW YORK INC
PFAS COMPLIANCE FOR CHATEAU WELL SITE**

Narrative Summary

SUEZ Water New York Inc. (SWNY) owns and operates the existing Chateau well site located in a residential area 180 feet northwest of 60 McNair Drive in Mahopac, Putnam County, New York and serve approximately 180 customers. SWNY plans to construct upgrades to the existing Chateau well site using the Engineering, Procurement, and Construction (EPC) project delivery method. This method will be utilized to comply with the state drinking water regulations for per - and polyfluoroalkyl substances (PFAS).

The existing facility pump capacity is 150 gallons per minute (gpm). The chemical feed uses Sodium hypochlorite (disinfectant). The onsite controls include the ability to operate the site remotely through the supervisory control and data acquisition SCADA program.

The proposed treatment system will include upsizing the pumps to compensate for headloss during the GAC treatment. It will not increase firm capacity of the well. Raw water will pass through a prefilter unit followed by the granular activated carbon (GAC) treatment system in lead-lag configuration. Water will be dosed with sodium hypochlorite and then routed to the existing three storage tanks (20,000-gallon pressure tank, 20,000-gallon interior tank and a 20,000-gallon exterior tank). The water will be sent to the distribution system through the three existing booster pumps.

The planned upgrade will not increase the firm capacity of the well, but will add treatment for PFAS to comply with the New York State Drinking Water maximum contaminant level (MCL) of 10 ppt for PFOA and PFOS. The well will remain operational during the course of construction with limited disruption during tying in and testing of the new treatment system.

Architectural treatment/elements will be consistent with the existing visible on-site structures and area residential structures to conform and provide a consistent appearance acceptable to the Owner and be approved by applicable Municipal Agencies and review boards.

All work will be in full conformance with the New York State Department of Environmental Conservation (NYSDEC), New York State and Putnam County Departments of Health, the Town of Carmel, and other authorities having jurisdiction.

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**

Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Re: **Site Plan Application**
SUEZ Water New York, Inc. – Chateau Well 1, 2 & 3
Proposed Building Materials Narrative

All,

Building Structures were originally proposed to be made of prefabricated metal building, with steel framing, insulated metal wall panels with an exterior color, standing seam roof system, with a cast in place concrete foundation designed to accommodate the load of the building structure, equipment, vessels, and all other loads impacting the foundation.

Due to extensive lead time delays for fabrication of the originally proposed means of designing, fabricating, and erecting the building, we are currently exploring other material options for the building to better meet schedule requirements.

At this time, the building materials are yet to be determined, but we are currently in the process of finalizing our alternative options.

Sincerely,
J. Fletcher Creamer & Son, Inc.

Copy to:

101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901

JFCSON.COM



TOWN OF CARMEL
**SITE PLAN APPLICATION
 INSTRUCTIONS**



Chateau Well

The Town of Carmel Planning Board meetings are held twice a month, on the second and fourth Wednesday's, at 7:00 PM at Carmel Town Hall, 60 McAlpin Avenue, Carmel

The submission deadline is 10 days prior to the Planning Board meeting. New site plan applications that have been deemed complete will be placed on the agenda in the order they are received.

No application will be placed on the agenda that is incomplete

Pre-Submission:

Prior to the formal submission of the site plan, a pre-submission conference may be requested by the applicant to be conducted with representatives from the Town, which may include the Town Planner, Town Engineer, Director of Code Enforcement and/or the Planning Board Attorney. This conference will serve to educate the applicant on the process he/she must follow, clarify the information required to submit a complete site plan application, and to highlight any specific areas of concern. You may arrange a pre-submission conference through the Planning Board Secretary at (845) 628-1500 extension 190.

Submission Requirements:

At least 10 days prior to the Planning Board meeting, the site plan application shall be submitted to the Planning Board Secretary as follows:

All site plans shall be signed, sealed and folded with the title box legible. The application package shall include:

- 11 copies of the Site Plan Application Form, signed and notarized.
- 11 copies of the SEQR Environmental Assessment Form (use of short form or long form shall be determined at pre-submission conference).
- 5 full size sets of the Site Plan (including floor plans and elevations)
- 1 CD (in pdf. format) containing an electronic version of the Site Plan
- 2 copies of the Disclosure Statement
- 11 copies of the Site Plan Completeness Certification Form
- All supplemental studies, reports, plans and renderings.
- 2 copies of the current deed.
- ~~MA~~ 2 copies of all easements, covenants and restrictions.
- The appropriate fee, determined from the attached fee schedule. Make checks payable to the *Town of Carmel*.

Rose Trombetta 8/31/21
 Planning Board Secretary; Date

Richard Phangth 8/31/21
 Town Engineer; Date



TOWN OF CARMEL SITE PLAN APPLICATION



Per Town of Carmel Code – Section 156 - Zoning

SITE IDENTIFICATION INFORMATION		
Application Name: SUEZ Water New York, Inc. – Chateau Well 1,2 & 3	Application # 21-0011	Date Submitted: August 27, 2021
Site Address: No. 59 Street: McNair Drive Hamlet: Mahopac		
Property Location: (Identify landmarks, distance from intersections, etc.) Located in a residential area, 180 feet north west of 60 McNair Drive		
Town of Carmel Tax Map Designation: Section 75.20 Block 1 Lot(s) 16	Zoning Designation of Site: Zone "R" and District "C1"	
Property Deed Recorded in County Clerk's Office Date 10/23/2017 Liber 2071 Page 465	Liens, Mortgages or other Encumbrances Yes <input checked="" type="radio"/> No	
Existing Easements Relating to the Site <input checked="" type="radio"/> No Yes Describe and attach copies:	Are Easements Proposed? <input checked="" type="radio"/> No Yes Describe and attach copies:	
Have Property Owners within a 500' Radius of the Site Been Identified? <input checked="" type="radio"/> Yes No Attached List to this Application Form		
APPLICANT/OWNER INFORMATION		
Property Owner: SUEZ Water New York, Inc.	Phone # 845-620-3319 Fax#:	Email: steven.garabed@suez.com
Owners Address: No. 162 Street: Old Mill Road Town: West Nyack State: NY Zip: 10994		
Applicant (If different than owner): APPLICANT IS THE SAME AS OWNER	Phone #: Fax#:	Email:
Applicant Address (If different than owner): APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
Individual/ Firm Responsible for Preparing Site Plan: John Atzl - Atzl, Nasher & Zigler, PC	Phone #: (845) 634 4694 Fax#: (845) 634 5543	Email: jatzl@anzny.com
Address: No. 234 Street: North Main Street Town: New City State: NY Zip: 10956		
Other Representatives:	Phone #: Fax#:	Email:
Owners Address: APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
PROJECT DESCRIPTION		
Describe the project, proposed use and operation thereof: SUEZ is proposing the construction of upgrades at their existing Chateau well site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		

TOWN OF CARMEL SITE PLAN APPLICATION


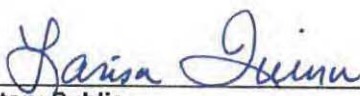
PROJECT INFORMATION			
Lot size: Acres: 1.44 Square Feet: 63,117		Square footage of all existing structures (by floor): 272 SQ. FT.	
# of existing parking spaces: 0		# of proposed parking spaces: 0	
# of existing dwelling units: 0		# of proposed dwelling units: 0	
Is the site served by the following public utility infrastructure:			
<ul style="list-style-type: none"> ▪ Is project in sewer district or will private septic system(s) be installed? <u>No</u> ▪ If yes to Sanitary Sewer answer the following: <ul style="list-style-type: none"> No connection to the sanitary sewer will be needed ▶ Does approval exist to connect to sewer main? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▶ Is this an in-district connection? <u>NA</u> Out-of district connection? <u>NA</u> ▶ What is the total sewer capacity at time of application? <u>NA</u> ▶ What is your anticipated average and maximum daily flow <u>NA</u> 			
For Town of Carmel <i>Town Engineer</i>			
▶ What is the sewer capacity <u>NA R/P 8/31/2021</u>			
▪ Water Supply		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
No drinking water will be used			
If Yes:		▶ Does approval exist to connect to water main? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
		▶ What is the total water capacity at time of application? <u>NA</u>	
		▶ What is your anticipated average and maximum daily demand <u>NA</u>	
▪ Storm Sewer		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
▪ Electric Service		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
▪ Gas Service		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• Telephone/Cable Lines		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
For Town of Carmel <i>Town Engineer</i>			
Water Flows <u>R/P</u>			
Sewer Flows <u>ROP 8/31/2021</u>			
Town Engineer; Date			
What is the predominant soil type(s) on the site? Ce - 86% PnC - 3% NdA - 11%		What is the approximate depth to water table? 1.83 ft.	
Site slope categories:		15-25% <u>3</u> %	25-35% <u>1</u> %
		>35% <u>3</u> %	
Estimated quantity of excavation:		Cut (C.Y.) <u>0</u>	Fill (C.Y.) <u>1.66</u>
Is Blasting Proposed		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Unknown: <input type="checkbox"/>	
Is the site located in a designated Critical Environmental Area?		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does a curb cut exist on the site? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	Are new curb cuts proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	What is the sight distance? Left <u>N/A</u> Right <u>N/A</u>	
Is the site located within 500' of:			
• The boundary of an adjoining city, town or village		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• The boundary of a state or county park, recreation area or road right-of-way		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• A county drainage channel line.		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• The boundary of state or county owned land on which a building is located		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	

TOWN OF CARMEL SITE PLAN APPLICATION

Is the site listed on the State or Federal Register of Historic Place (or substantially contiguous) Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the site located in a designated floodplain? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Will the project require coverage under the Current NYSDEC Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will the project require coverage under the Current NYCDEP Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Does the site disturb more than 5,000 sq ft		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site disturb more than 1 acre		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site contain freshwater wetlands? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Jurisdiction: NYSDEC: <input checked="" type="checkbox"/> Town of Carmel: <input type="checkbox"/>			
<i>If present, the wetlands must be delineated in the field by a Wetland Professional, and survey located on the Site Plan.</i>			
Are encroachments in regulated wetlands or wetland buffers proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Does this application require a referral to the Environmental Conservation Board?		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Does the site contain waterbodies, streams or watercourses? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Are any encroachments, crossings or alterations proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the site located adjacent to New York City watershed lands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the project funded, partially or in total, by grants or loans from a public source? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will municipal or private solid waste disposal be utilized? Public: <input type="checkbox"/> Private: <input checked="" type="checkbox"/>			
Has this application been referred to the Fire Department?		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
What is the estimated time of construction for the project? 12 months			
ZONING COMPLIANCE INFORMATION			
Zoning Provision	Required	Existing	Proposed
Lot Area	120,000 SQ. FT.	47,745 SQ. FT.	47,745 SQ. FT.
Lot Coverage	0.15	<0.01	0.03
Lot Width	200 FT.	117 FT.	117 FT.
Lot Depth	-	-	-
Front Yard	40 FT.	30 FT.	60 FT.
Side Yard	25 FT.	25 FT.	18 FT. *
Rear Yard	40 FT.	345 FT.	303 FT.
Minimum Required Floor Area	-	-	-
Floor Area Ratio	-	-	-
Height	35 FT.	14 FT.	24 FT.
Off-Street Parking	2	0	0
Off-Street Loading	-	-	-

* Denotes Variance Required

TOWN OF CARMEL SITE PLAN APPLICATION

Will variances be required? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	If yes, identify variances: Minimum side yard and minimum total side yard
PROPOSED BUILDING MATERIALS - N/A	
Foundation	
Structural System	See attached narrative for proposed materials
Roof	
Exterior Walls	
APPLICANTS ACKNOWLEDGEMENT	
I hereby depose and certify that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true and correct.	
Christopher Graziano, General Manager SUEZ Water New York Inc.	
Applicants Name	Applicants Signature
Sworn before me this <u>18TH</u> day of <u>AUGUST</u> 20 <u>21</u>	
 Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> LARISA QUINN Notary Public, State of New York No. 01QU6382297 Qualified in Rockland County Commission Expires October 22, 2022 </div>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



All Site Plans submitted to the Planning Board for review shall include the following information and details, as set forth in Section 156-61 B of the Town of Carmel Zoning Ordinance.

This form shall be included with the site plan submission

	<i>Requirement Data</i>	<i>To Be Completed by the Applicant</i>	<i>Waived by the Town</i>
1	Name and title of person preparing the site plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Name of the applicant and owner (if different from applicant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Original drawing date, revision dates, scale and north arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Tax map, block and lot number(s), zoning district	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	All existing property lines, name of owner of each property within a 500' radius of the site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Contour lines at two-foot intervals, grades of all roads, driveways, sanitary and storm sewers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	The location of all water bodies, streams, watercourses, wetland areas, wooded areas, rights-of-way, streets, roads, highways, railroads, buildings, structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	The location of all existing and proposed easements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	The location of all existing and proposed structures, their use, setback dimensions, floor plans, front, side and rear elevations, buildable area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	On site circulation systems, access, egress ways and service roads, emergency service access and traffic mitigation measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Sidewalks, paths and other means of pedestrian circulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	On-site parking and loading spaces and travel aisles with dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	The location, height and type of exterior lighting fixtures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Proposed signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	For non-residential uses, an estimate of the number of employees who will be using the site, description of the operation, types of products sold, types of machinery and equipment used	<input checked="" type="checkbox"/>	<input type="checkbox"/>



TOWN OF CARMEL
 SITE PLAN COMPLETENESS
 CERTIFICATION FORM



	Requirement Data	To Be Completed by the Applicant	Waived by the Town
16	The location of clubhouses, swimming pools, open spaces, parks or other recreational areas, and identification of who is responsible for maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	The location and design of buffer areas, screening or other landscaping, including grading and water management. A comprehensive landscaping plan in accordance with the Tree Conservation Law	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	The location of public and private utilities, maintenance responsibilities, trash and garbage areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	A list, certified by the Town Assessor, of all property owners within 500 feet of the site boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	Any other information required by the Planning Board which is reasonably necessary to ascertain compliance with this chapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Applicants Certification (to be completed by the licensed professional preparing the site plan:

I John Atzl hereby certify that the site plan to which I have attached my seal and signature, meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:



Signature - Applicant _____ Date _____
 Signature - Owner _____ Date _____



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
CERTIFICATION FORM**



Town Certification (to be completed by the Town)

I _____ hereby confirm that the site plan meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:

Rose Yumletta
Signature - Planning Board Secretary

8/31/21
Date

Richard J. ...
Signature - Town Engineer

9/31/2021
Date

Full Environmental Assessment Form
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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SUEZ Water New York, Inc. – London Bridge Well 1 & 2		
Project Location (describe, and attach a general location map): 39 Brook Street in the Town of Carmel, Putnam County		
Brief Description of Proposed Action (include purpose or need): SUEZ Water is proposing the construction of upgrades at their existing London Bridge Well 1 & 2 site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		
Name of Applicant/Sponsor: SUEZ Water New York, Inc.	Telephone: 845-620-3319	E-Mail: steven.garabed@suez.com
Address: 162 Old Mill Road		
City/PO: West Nyack	State: NY	Zip Code: 10994
Project Contact (if not same as sponsor; give name and title/role): John Atzl - Atzl, Nasher & Zigler, PC	Telephone: 845-634-4694	E-Mail: jatzl@anzny.com
Address: 234 North Main Street		
City/PO: New City	State: NY	Zip Code: 10956
Property Owner (if not same as sponsor): PROPERTY OWNER IS THE SAME AS APPLICANT	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

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 Counsel, Town Board, <input type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Planning Board - Site Plan and Conditional Use Approval	August 2021
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Zoning Board - variance	August 2021
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Building Department - Building Permit, Sewer Connection Permit	August 2021
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Putnam County Department of Health	August 2021
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s):	
NYC Watershed Boundary _____	

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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?
Residential District

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? Mahopac Central School District

b. What police or other public protection forces serve the project site?
Town of Carmel Police Department

c. Which fire protection and emergency medical services serve the project site?
Mahopac Volunteer Fire Department

d. What parks serve the project site?
Airport Field, Sycamore Town Park

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)? Industrial Water Treatment and Supply

b. a. Total acreage of the site of the proposed action? _____ 1.61 acres
b. Total acreage to be physically disturbed? _____ 0.26 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 1.61 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)? % 194 Units: 726 sq. ft.

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 the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: _____ 12 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

* Calculation: [Proposed building expansion (sq ft)/ Existing building (sq ft)] X 100
(928 sq. ft. proposed building /272 sq. ft. existing building) X 100

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

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
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 _____ 1

ii. Dimensions (in feet) of largest proposed structure: _____ 22 height; _____ 22 width; and _____ 33 length

iii. Approximate extent of building space to be heated or cooled: _____ 726 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? Yes No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

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 the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the 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), what is the 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 a 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 the 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)
 Construction equipment and vehicles _____
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 Power generation _____
 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 (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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 truck trips/day and type (e.g., semi trailers and dump trucks): _____

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 1/2 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: _____
16,335 kWh*

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

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 6PM • Saturday: _____ 8AM - 6PM • Sunday: _____ 8AM - 6PM • Holidays: _____ CLOSED 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours/day • Saturday: _____ 24 hours/day • Sunday: _____ 24 hours/day • Holidays: _____ 24 hours/day
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*The average number of kilowatt hours per square foot for a commercial building is approximately 22.5. (Source: Iota Communications.com). The proposed building is 928 sq. ft.

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:
 The operation of construction equipment will increase local daytime ambient noise levels. This will only occur during permitted hours of operation and the resulting noise will cease upon completion of the project.

ii. Will the 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:
 See Lighting Plan _____

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 _____
 ii. Volume(s) _____ per unit time _____ (e.g., month, year)
 iii. Generally, describe the proposed storage facilities: _____

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 the 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): Industrial Water Treatment and Supply
 ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.07	0.2	+ 0.13
• Forested	1.34	1.21	- 0.13
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.02	0.02	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.05	0.05	0
• Wetlands (freshwater or tidal)	0.13	0.13	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• 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:

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): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control 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): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

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? _____ >6 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:

Ce - Calden muck	86% %
NdA - Natchaug and Calden mucks	11% %
PnC - Paxton fine sandy loam	3% %

d. What is the average depth to the water table on the project site? Average: _____ 1.83 feet

e. Drainage status of project site soils: Well Drained: _____ 3% of site
 Moderately Well Drained: _____ % of site
 Very Poorly Drained _____ 97 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 62 % of site
 10-15%: _____ 10 % of site
 15% or greater: _____ 28 % 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 864-160 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland Approximate Size _____
- Wetland No. (if regulated by DEC) CF-1

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: _____

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Squirrel _____</td> <td style="width: 33%;">Raccoon _____</td> <td style="width: 33%;">_____</td> </tr> <tr> <td>Deer _____</td> <td>Possum _____</td> <td>_____</td> </tr> <tr> <td>Rabbit _____</td> <td>Fox _____</td> <td>_____</td> </tr> </table>		Squirrel _____	Raccoon _____	_____	Deer _____	Possum _____	_____	Rabbit _____	Fox _____	_____
Squirrel _____	Raccoon _____	_____								
Deer _____	Possum _____	_____								
Rabbit _____	Fox _____	_____								
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p> <p>_____</p>										
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p> <p>_____</p>										
<p>E.3. Designated Public Resources On or Near Project Site</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>										
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>										
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>										
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>										

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? If Yes: i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District ii. Name: _____ iii. Brief description of attributes on which listing is based: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site? If Yes: i. Describe possible resource(s): _____ ii. Basis for identification: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? If Yes: i. Identify resource: <u>State Scenic Byway</u> ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>Taconic State Parkway</u> iii. Distance between project and resource: _____ <u>3.2</u> miles.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

F. Additional Information

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

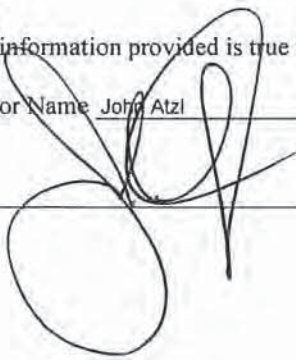
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

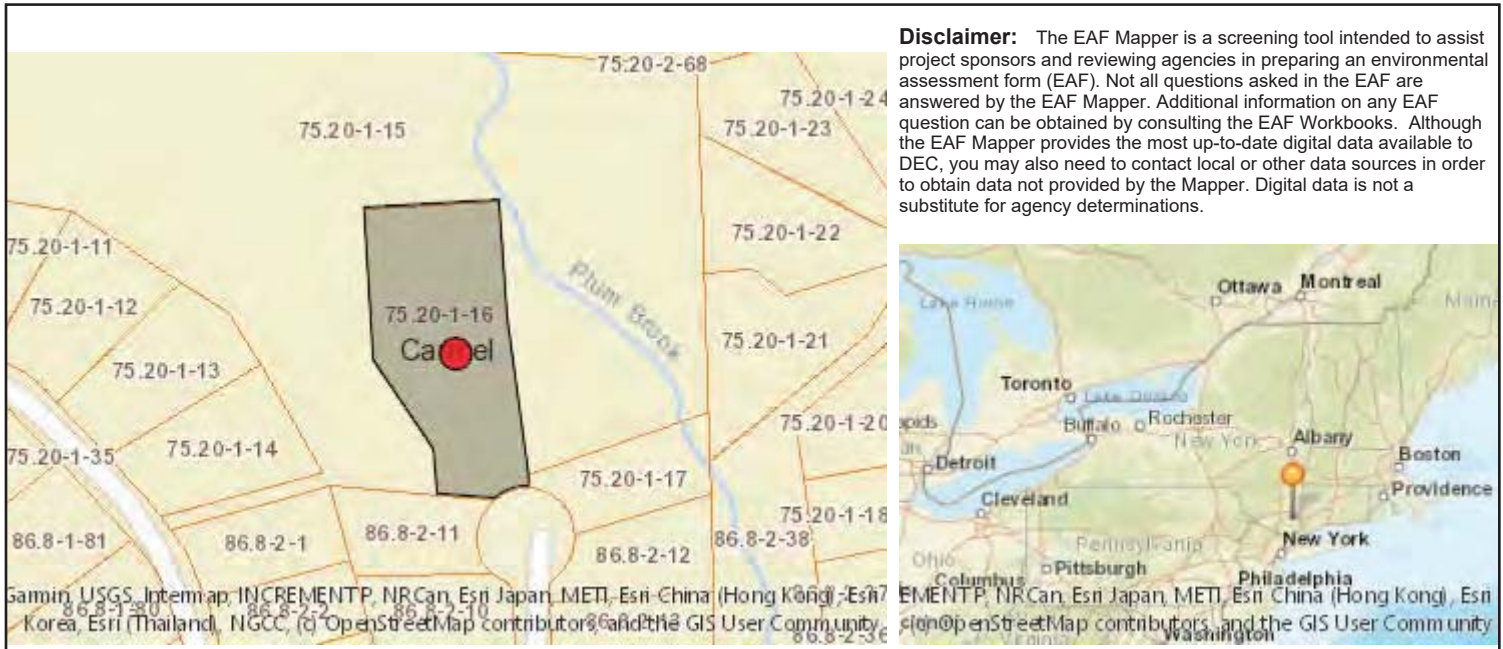
G. Verification

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

Applicant/Sponsor Name John Atzl Date August 27, 2021

Signature _____ Title Land Surveyor



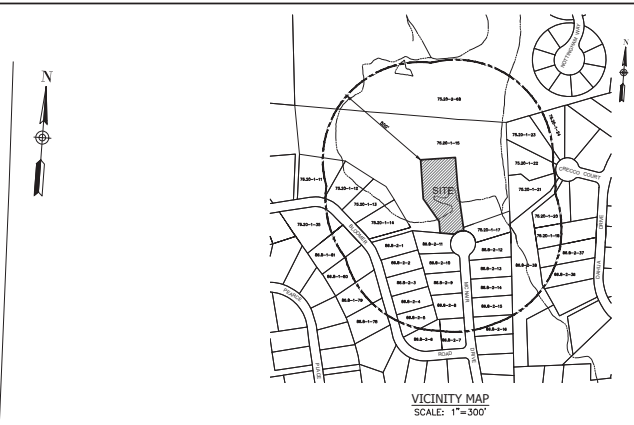
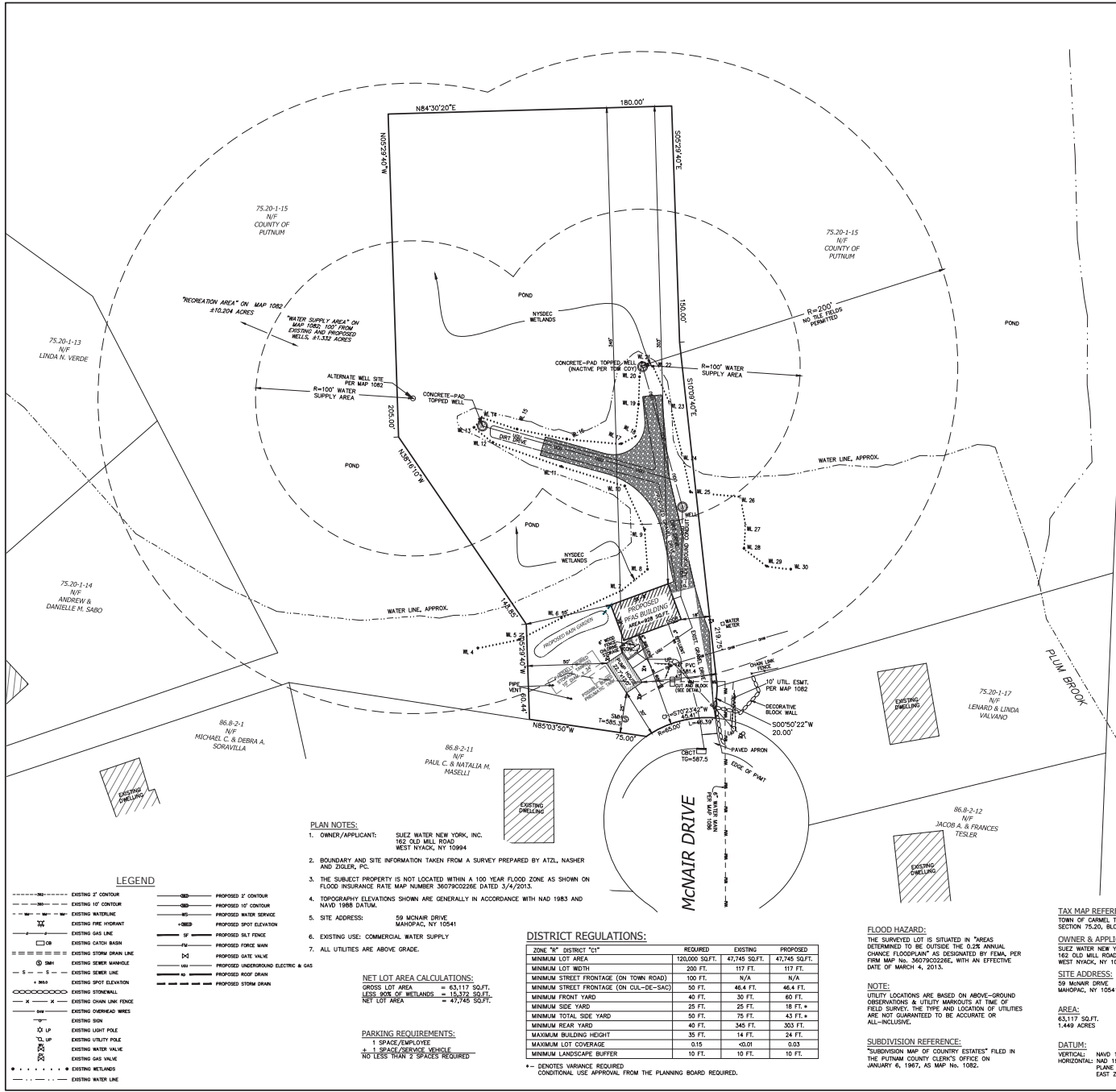


Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the 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]	No
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]	NYC Watershed Boundary
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
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]	864-160
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):25.5
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	CF-1

E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Northern Long-eared Bat
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 or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No





OWNERS WITHIN 500 FEET:

TOWN OF CARMEL TAX MAP	COUNTY OF PUTNAM	COUNTY OF PUTNAM
75.20-1-11 MARIE A RIZZO 24 BLOOMER ROAD MAHOAPAC, NY 10541	75.20-2-68	86.8-2-9
75.20-1-12 STEPHEN A & MARY BETH VRABEL 50 BLOOMER ROAD MAHOAPAC, NY 10541	66.8-1-78	86.8-2-10
75.20-1-13 LINDA N VERDE 44 BLOOMER ROAD MAHOAPAC, NY 10541	66.8-1-79	86.8-2-11
75.20-1-14 ANDREW & DANIELLE M SABO 1870 BALDWIN AVENUE YORKTOWN HEIGHTS, NY 10568	66.8-1-80	86.8-2-12
75.20-1-15 COUNTY OF PUTNAM 60 MCNAIR DRIVE MAHOAPAC, NY 10541	66.8-1-81	86.8-2-13
75.20-1-17 LEONARD & LINDA VALVANO 51 DANILA DRIVE MAHOAPAC, NY 10541	66.8-2-1	86.8-2-14
75.20-1-18 JAMES & ROSE PACILLO 51 DANILA DRIVE MAHOAPAC, NY 10541	66.8-2-2	86.8-2-15
75.20-1-20 ROBERT & MARIE ANNA SIMONE 9 CROCCO PLACE MAHOAPAC, NY 10541	66.8-2-3	86.8-2-16
75.20-1-21 COUNTY OF PUTNAM 40 CLENDIA AVENUE CARMEL, NY 10512	66.8-2-4	86.8-2-17
75.20-1-22 MILANO LONGO 11 CROCCO DRIVE MAHOAPAC, NY 10541	66.8-2-5	86.8-2-18
75.20-1-23 JES B & DARA L BERKOWITZ 10 CLENDIA AVENUE MAHOAPAC, NY 10541	66.8-2-6	86.8-2-19
75.20-1-24 ZBIGNIEW PRANS PO BOX 332 BALDWIN PLACE, NY 10505	66.8-2-7	86.8-2-20
75.20-1-35 HOEL & MARWISSE CORREA 51 BLOOMER ROAD MAHOAPAC, NY 10541	66.8-2-8	86.8-2-21
		86.8-2-22 ALDA & NICOLA ALOSIO 49 BLENDA AVENUE MAHOAPAC, NY 10541
		86.8-2-23 HOWARD J & ROCHELLE P HAMMER 23 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-24 PAUL C & NATALIA M MASELLI 57 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-25 JACOB A & FRANCIS TESLER 44 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-26 MILLER FAMILY TRUST 52 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-27 CHESTER S & LAURIE DAY 48 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-28 JOAN M MCKEON 21 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-29 EDUARD & LUCRECIA GHIA 44 MCNAIR DRIVE MAHOAPAC, NY 10541
		86.8-2-30 JAMES POLO & FELICIA CHARLES 43 DANILA DRIVE MAHOAPAC, NY 10541
		86.8-2-31 NOREEN FARHAN 47 DANILA DRIVE MAHOAPAC, NY 10541
		86.8-2-32 TOWN OF CARMEL 60 MCCLAIN AVENUE MAHOAPAC, NY 10541

- PLAN NOTES:**
- OWNER/APPLICANT: SUEZ WATER NEW YORK, INC. 182 OLD MILL ROAD WEST NYACK, NY 10994
 - BOUNDARY AND SITE INFORMATION TAKEN FROM A SURVEY PREPARED BY ATZL, NASHER AND ZIGLER, P.C.
 - THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 360790225E DATED 3/4/2013.
 - TOPOGRAPHY ELEVATIONS SHOWN ARE GENERALLY IN ACCORDANCE WITH NAD 1983 AND NAVD 1988 DATUM.
 - SITE ADDRESS: 59 MCNAIR DRIVE MAHOAPAC, NY 10541
 - EXISTING USE: COMMERCIAL WATER SUPPLY
 - ALL UTILITIES ARE ABOVE GRADE.

DISTRICT REGULATIONS:

ZONE "R" DISTRICT "C1"	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	10,000 SQ.FT.	47,745 SQ.FT.	47,745 SQ.FT.
MINIMUM LOT WIDTH	200 FT.	117 FT.	117 FT.
MINIMUM STREET FRONTAGE (ON TOWN ROAD)	100 FT.	N/A	N/A
MINIMUM STREET FRONTAGE (ON CUL-DE-SAC)	50 FT.	46.4 FT.	46.4 FT.
MINIMUM FRONT YARD	40 FT.	35 FT.	40 FT.
MINIMUM SIDE YARD	25 FT.	25 FT.	18 FT.*
MINIMUM TOTAL SIDE YARD	50 FT.	75 FT.	43 FT.*
MINIMUM REAR YARD	40 FT.	345 FT.	303 FT.
MINIMUM BUILDING HEIGHT	35 FT.	14 FT.	24 FT.
MINIMUM LOT COVERAGE	0.15	<0.01	0.03
MINIMUM LANDSCAPE BUFFER	10 FT.	10 FT.	10 FT.

NET LOT AREA CALCULATIONS:
 GROSS LOT AREA = 63,117 SQ.FT.
 LESS: BOE OF WETLANDS = 15,322 SQ.FT.
 NET LOT AREA = 47,745 SQ.FT.

PARKING REQUIREMENTS:
 1 SPACE/EMPLOYEE
 + 1 SPACE/SERVICE VEHICLE
 NO LESS THAN 2 SPACES REQUIRED

FLOOD HAZARD:
 THE SURVEYED LOT IS SITUATED IN "AR3AS" DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS DESIGNATED BY FEMA PER FIRM MAP NO. 360790225E WITH AN EFFECTIVE DATE OF MARCH 4, 2013.

NOTE:
 UTILITY LOCATIONS ARE BASED ON ABOVE-GROUND OBSERVATIONS & UTILITY MARKOUTS AT TIME OF FIELD SURVEY. THE TYPE AND LOCATION OF UTILITIES ARE NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE.

SUBDIVISION REFERENCE:
 "SUBDIVISION MAP OF COUNTRY ESTATES" FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON JANUARY 6, 1967, AS MAP NO. 1082.

DRAWING LIST:

No.	TITLE	DATE
1.	SITE PLAN	JULY 19, 2021
2.	EXISTING CONDITION	JULY 19, 2021
3.	GRADING & DETAIL PLAN	JULY 19, 2021
4.	EROSION & SEDIMENT CONTROL PLAN	JULY 19, 2021
5.	TREE & LANDSCAPE PLAN	JULY 19, 2021
6.	LIGHTING PLAN	JULY 19, 2021

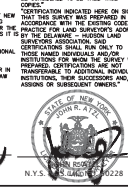
TAX MAP REFERENCE:
 TOWN OF CARMEL TAX MAP SECTION 75.20, BLOCK 1, LOT 16


OWNER & APPLICANT:
 SUEZ WATER NEW YORK, INC.
 182 OLD MILL ROAD
 WEST NYACK, NY 10994

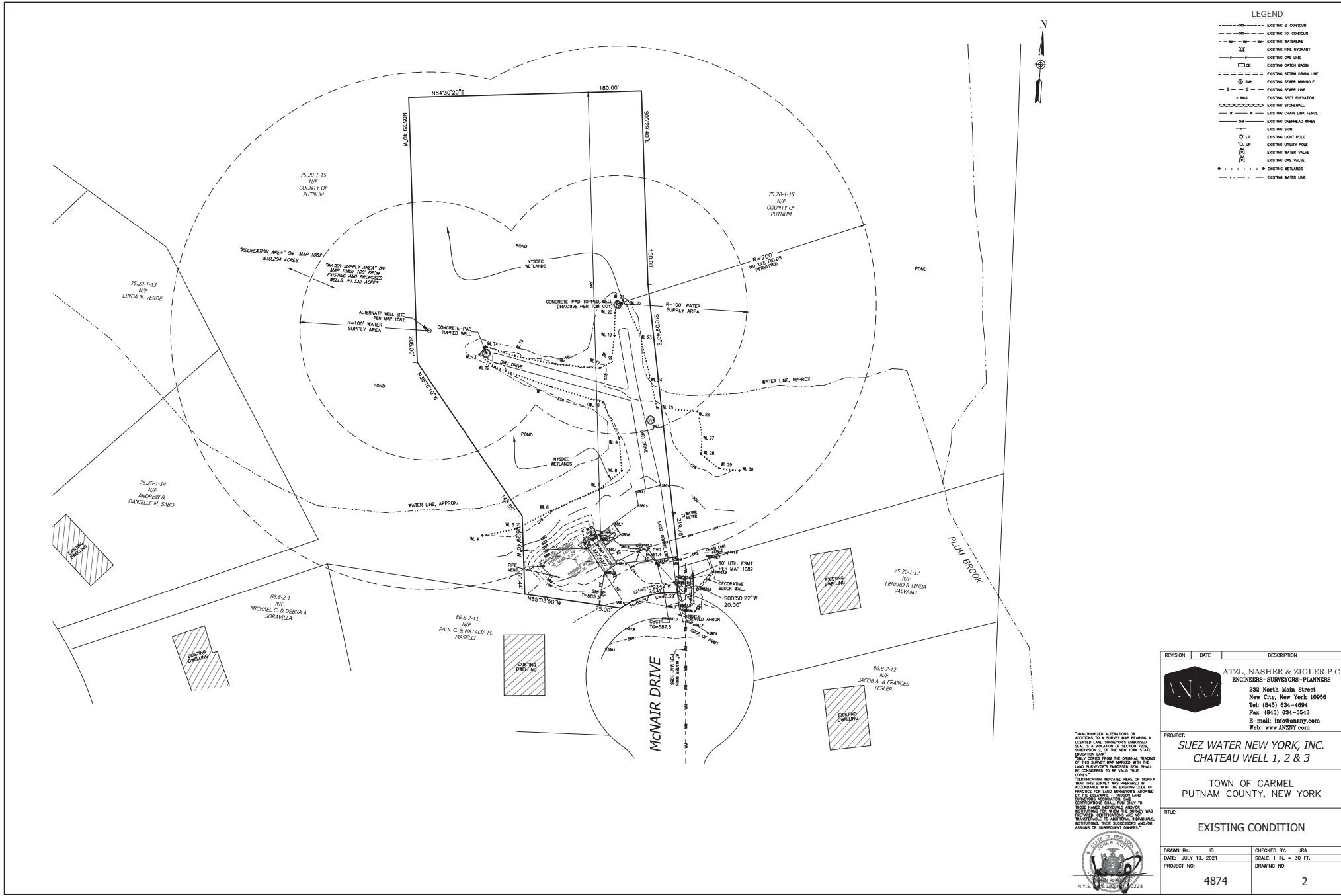
SITE ADDRESS:
 59 MCNAIR DRIVE
 MAHOAPAC, NY 10541

AREA:
 63,117 SQ.FT.
 1.449 ACRES

DATUM:
 VERTICAL: NAVD 1988
 HORIZONTAL: NAVD 1988, NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE



REVISION	DATE	DESCRIPTION
 ATZL, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 832 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-4843 E-mail: info@anzny.com Web: www.anzny.com		
PROJECT: SUEZ WATER NEW YORK, INC. CHATEAU WELL 1, 2 & 3		
TOWN OF CARMEL, NEW YORK		
SITE PLAN		
DRAWN BY: IS DATE: JULY 19, 2021 PROJECT NO.:	CHECKED BY: JRA SCALE: 1" = 30' FT. DRAWING NO.:	NO.: 4874 PAGE: 1



LEGEND

- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING WATERLINE
- EXISTING GAS LINE
- EXISTING FINE HYDRANT
- EXISTING STORM DRAIN
- EXISTING STORM DRAIN LINE
- EXISTING SENEH MANHOLE
- EXISTING SENEH LINE
- EXISTING SPOT ELEVATION
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRES
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- EXISTING WETLANDS
- EXISTING WATER LINE

REVISION	DATE	DESCRIPTION

ATZL NASHER & ZIGLER P.C.
ENGINEERS - SURVEYORS - PLANNERS
 832 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-6543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

PROJECT: **SUEZ WATER NEW YORK, INC.**
CHATEAU WELL 1, 2 & 3

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **EXISTING CONDITION**

DRAWN BY: IS	CHECKED BY: JRA
DATE: JULY 19, 2021	SCALE: 1 IN. = 30 FT.
PROJECT NO:	DRAWING NO:

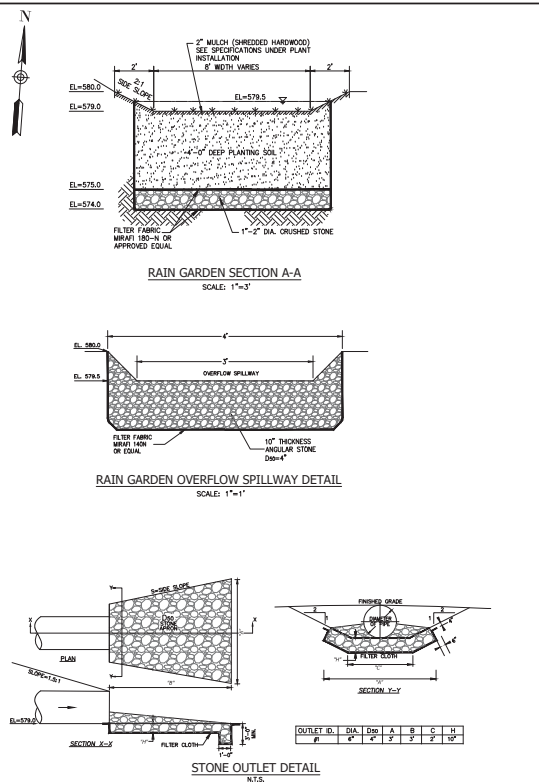
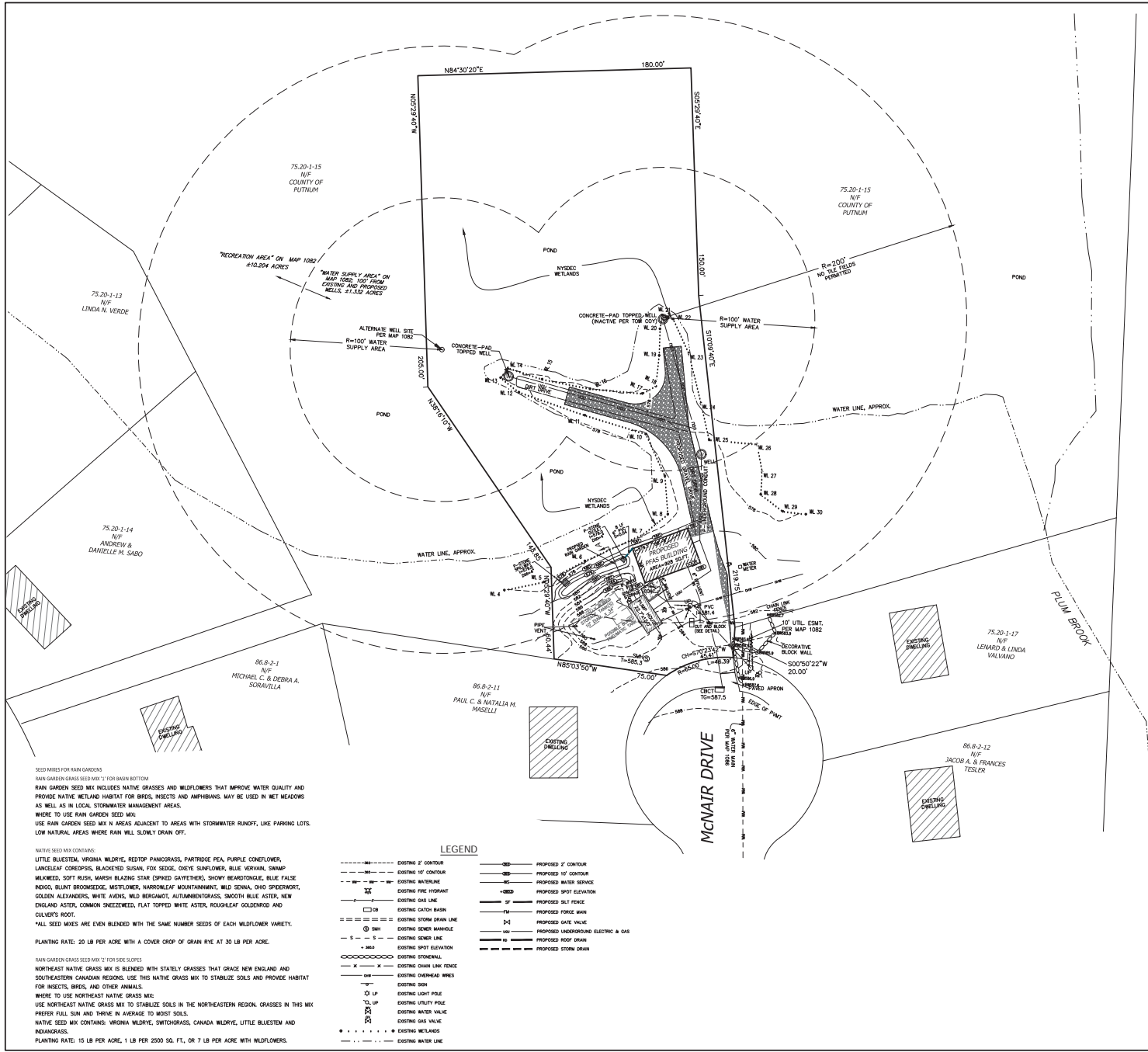
4874 2

"UNAUTHORIZED ALTERATION OR ADDITIONS TO A SURVEY MAP BEARING A LICENSE AND SURVEYOR'S EMBROIDERED SEAL IS A VIOLATION OF SECTION 2008, SUBSECTION 2, OF THE NEW YORK STATE EDUCATION LAW."

"ONLY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LAND SURVEYOR'S EMBROIDERED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES."

"CERTIFICATION INDICATED HEREON DENIES THAT THIS SURVEY WAS PREPARED BY OR UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR ASSOCIATION AND CERTIFICATIONS SHALL RUN ONLY TO THE NAME INDICATED AND NO OTHER NOTATIONS FOR WHICH THIS SURVEY WAS PREPARED, CERTIFICATION OR NOTIFICATION, SHALL BE VALID UNLESS INDICATED OTHERWISE BY THE SURVEYOR'S EMBROIDERED SEAL OR OTHERWISE BY SUBSEQUENT OWNERS."





- CONSTRUCTION SEQUENCE:**
1. INSTALL EROSION & SEDIMENT CONTROL MEASURES.
 2. EXPAND DRIVEWAY AT ENTRANCE AND PROPOSED BUILDING.
 3. CONSTRUCT PROPOSED BUILDING FOUNDATION.
 4. INSTALL PROPOSED UNDERGROUND UTILITIES.
 5. SET PROPOSED PREFABRICATED BUILDING.
 6. STABILIZE DISTURBED AREAS.
 7. REMOVE EROSION & SEDIMENT CONTROL MEASURES.

SEED MIXES FOR RAIN GARDENS
 RAIN GARDEN GRASS SEED MIX 1" FOR BROWN BOTTOM
 RAIN GARDEN SEED MIX INCLUDES NATIVE GRASSES AND WILDFLOWERS THAT IMPROVE WATER QUALITY AND PROVIDE NATIVE WETLAND HABITAT FOR BIRDS, INSECTS AND AMPHIBIANS. MAY BE USED IN WET MEADOWS AS WELL AS IN LOCAL STORMWATER MANAGEMENT AREAS.
 WHERE TO USE RAIN GARDEN SEED MIX:
 USE RAIN GARDEN SEED MIX IN AREAS ADJACENT TO AREAS WITH STORMWATER RUNOFF, LIKE PARKING LOTS. LOW NATURAL AREAS WHERE RAIN WILL SLOWLY DRAIN OFF.

NATIVE SEED MIX CONTAINS:
 LITTLE BLUESTEM, VIRGINIA WILDOYE, REDTOP PANICGRASS, PARTRIDGE PEA, PURPLE CONEFLOWER, LANCELEAF COREOPSIS, BLACKEYED SUSAN, FOX SEDGE, ONEYE SUNFLOWER, BLUE VERVAIN, SWAMP MILKWEED, SOFT RUSH, MARSH BLAZING STAR (SPIKED CATTYWEED), SHOWY BEARDTONGUE, BLUE FALSE RINDO, BLUNT BRONZEGRASS, MISTFLOWER, WARRBLEAF MOUNTAINWART, WILD SENA, OHIO SPEEDWORT, GOLDEN ALEXANDER, WHITE AVENS, WILD BERGAMOT, AUTUMNHEARTSUN, SMOOTH BLUE ASTER, NEW ENGLAND ASTER, COMMON SNEEZEWEED, FLAT TOPPED WHITE ASTER, ROUGELEAF GOLDENROD AND CULMERS ROOT.
 *ALL SEED MIXES ARE EVEN BLENDED WITH THE SAME NUMBER SEEDS OF EACH WILDFLOWER VARIETY.
 PLANTING RATE: 20 LB PER ACRE WITH A COVER CROP OF GRASS RYE AT 30 LB PER ACRE.

RAIN GARDEN GRASS SEED MIX 2" FOR SIDE SLOPES
 NORTHEAST NATIVE GRASS MIX IS BLENDED WITH STALEY GRASSES THAT GRACE NEW ENGLAND AND SOUTHEASTERN CANADIAN REGIONS. USE THIS NATIVE GRASS MIX TO STABILIZE SOILS AND PROVIDE HABITAT FOR INSECTS, BIRDS, AND OTHER ANIMALS.
 WHERE TO USE NORTHEAST NATIVE GRASS MIX:
 USE NORTHEAST NATIVE GRASS MIX TO STABILIZE SOILS IN THE NORTHEASTERN REGION. GRASSES IN THIS MIX PREFER FULL SUN AND THRIVE IN AVERAGE TO MOST SOILS.
 NATIVE SEED MIX CONTAINS: VIRGINIA WILDOYE, SHIFORGRASS, CANADA WILDOYE, LITTLE BLUESTEM AND INDIANGRASS.
 PLANTING RATE: 15 LB PER ACRE, 1 LB PER 2500 SQ. FT., OR 7 LB PER ACRE WITH WILDFLOWERS.

LEGEND

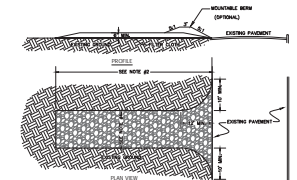
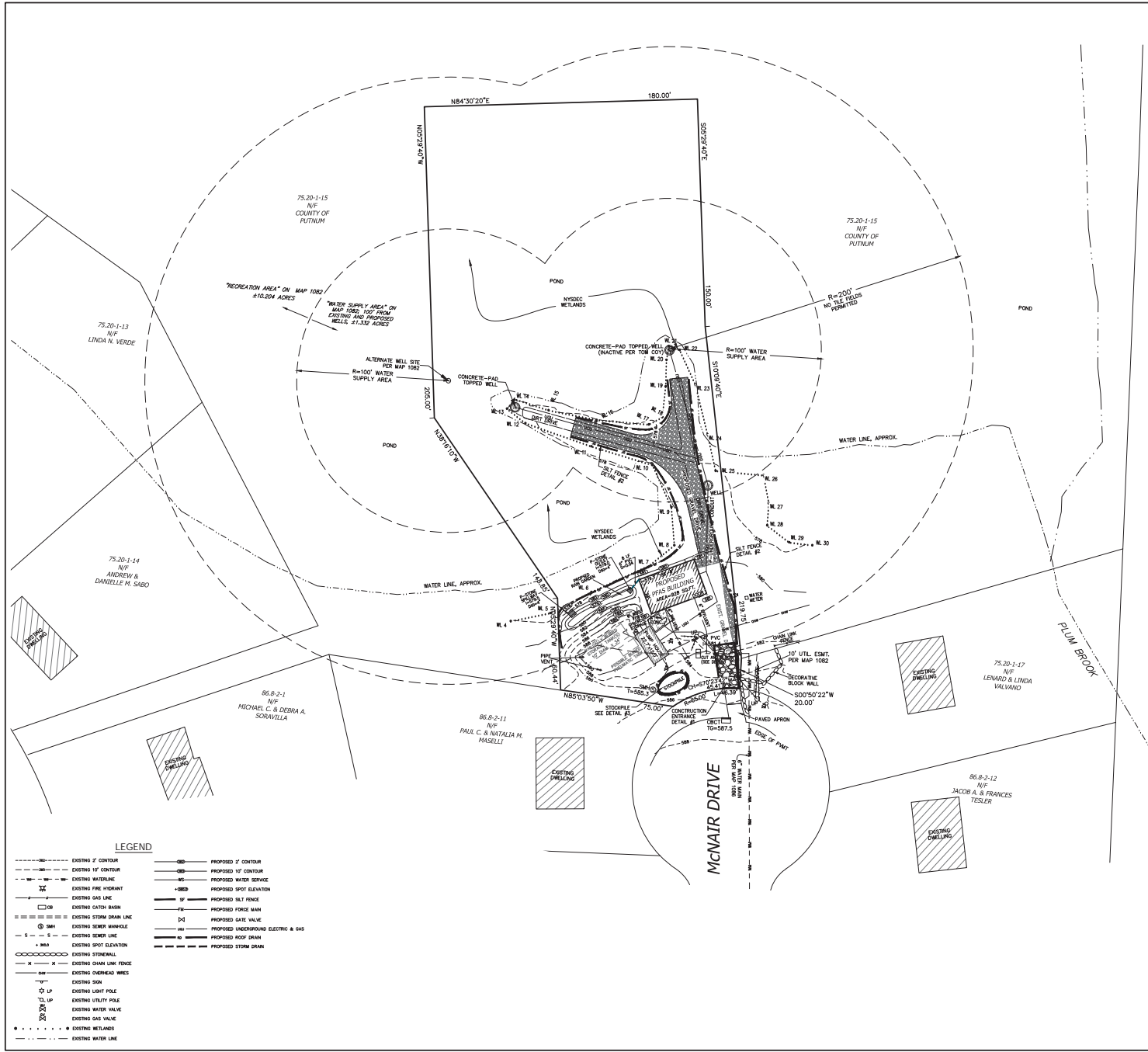
- | | | | |
|-------------|---------------------------|-------------|-------------------------------------|
| ---o---o--- | EXISTING 2" CONTOUR | ---o---o--- | PROPOSED 2" CONTOUR |
| ---o---o--- | EXISTING 10" CONTOUR | ---o---o--- | PROPOSED 10" CONTOUR |
| --- | EXISTING WATERLINE | --- | PROPOSED WATER SERVICE |
| --- | EXISTING FIRE HYDRANT | --- | PROPOSED SPOT ELEVATION |
| --- | EXISTING CATCH BASIN | --- | PROPOSED SLOTTED FENCE |
| --- | EXISTING STORM DRAIN LINE | --- | PROPOSED GATE VALVE |
| --- | EXISTING SENDER MANHOLE | --- | PROPOSED FORCE MAIN |
| --- | EXISTING SINKER LINE | --- | PROPOSED UNDERGROUND ELECTRIC & GAS |
| --- | EXISTING SPOT ELEVATION | --- | PROPOSED STORM DRAIN |
| --- | EXISTING STONEWALL | --- | PROPOSED BIODOM |
| --- | EXISTING CHAIN LINK FENCE | --- | |
| --- | EXISTING OVERHEAD WIRES | --- | |
| --- | EXISTING SIGN | --- | |
| --- | EXISTING LIGHT POLE | --- | |
| --- | EXISTING UTILITY POLE | --- | |
| --- | EXISTING WATER VALVE | --- | |
| --- | EXISTING GAS VALVE | --- | |
| --- | EXISTING WELLS | --- | |
| --- | EXISTING WATER LINE | --- | |

UNLICENSED ALTERNATION OF ADDITION TO A SURVEY MAP BEING A SURVEY AND SURVEYORS' SERVICES AS A RESULT OF SECTION 7008, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.
 ONLY COPIES FROM THE ORIGINAL RECORD OF THIS SURVEY MAP MARKED WITH THE LAND SURVEYORS' LICENSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT NO PERSON SHALL ATTEMPT TO PREPARE OR ALTER ANY SURVEY OR ANY OF THESE DRAWINGS AND/OR THE ACCOMPANYING INSTRUMENTS, UNDER THE SEAL OF A LICENSED LAND SURVEYOR, UNLESS HE OR SHE IS A LICENSED LAND SURVEYOR. ANY PERSON WHO VIOLATES THESE PROVISIONS SHALL BE CONSIDERED TO BE IN VIOLATION OF THE EDUCATION LAW OF THE STATE OF NEW YORK AND SHALL BE SUBJECT TO THE PENALTIES PROVIDED THEREIN.

STATE OF NEW YORK
 JACOB AL. & FRANCES TESLER
 N.Y.S. PROFESSIONAL ENGINEER 89066
 N.Y.S. PROFESSIONAL SURVEYOR 82228

REVISION	DATE	DESCRIPTION
 ATZLI, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS 838 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-4843 E-mail: info@anzny.com Web: www.ANZNY.com		
PROJECT: SUEZ WATER NEW YORK, INC. CHATEAU WELL 1, 2 & 3		
TOWN OF CARMEL PUTNAM COUNTY, NEW YORK		
TITLE: GRADING PLAN		
DRAWN BY: IS	CHECKED BY: JRA	
DATE: JULY 19, 2021	SCALE: 1 IN. = 30 FT.	
PROJECT NO: 4874	DRAWING NO: 3	

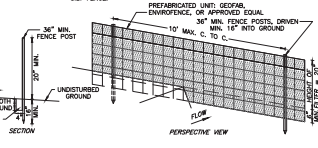


- SPECIFICATIONS FOR CONSTRUCTION ENTRANCE**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 30 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN 6 IN.
 - WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE BURESS AND GROSS SCOUR, 24 FT. IF SHOULDER ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FILTERED THROUGH THE ENTRANCE. IF FILTERING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL SEDIMENT SPILLED, SHIPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

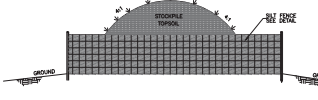
STABILIZED CONSTRUCTION ENTRANCE DETAIL #1
N.T.S.

CONSTRUCTION NOTES FOR PRE-FABRICATED SILT FENCE

- WHEN TWO SECTIONS OF FILTER CLOTH MEET, EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND SECURED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL BROUGHT WITHIN READY REACH OF THE SILT FENCE.



SILT FENCE DETAIL #2
N.T.S.



STOCKPILE DETAIL #3
N.T.S.

LEGEND

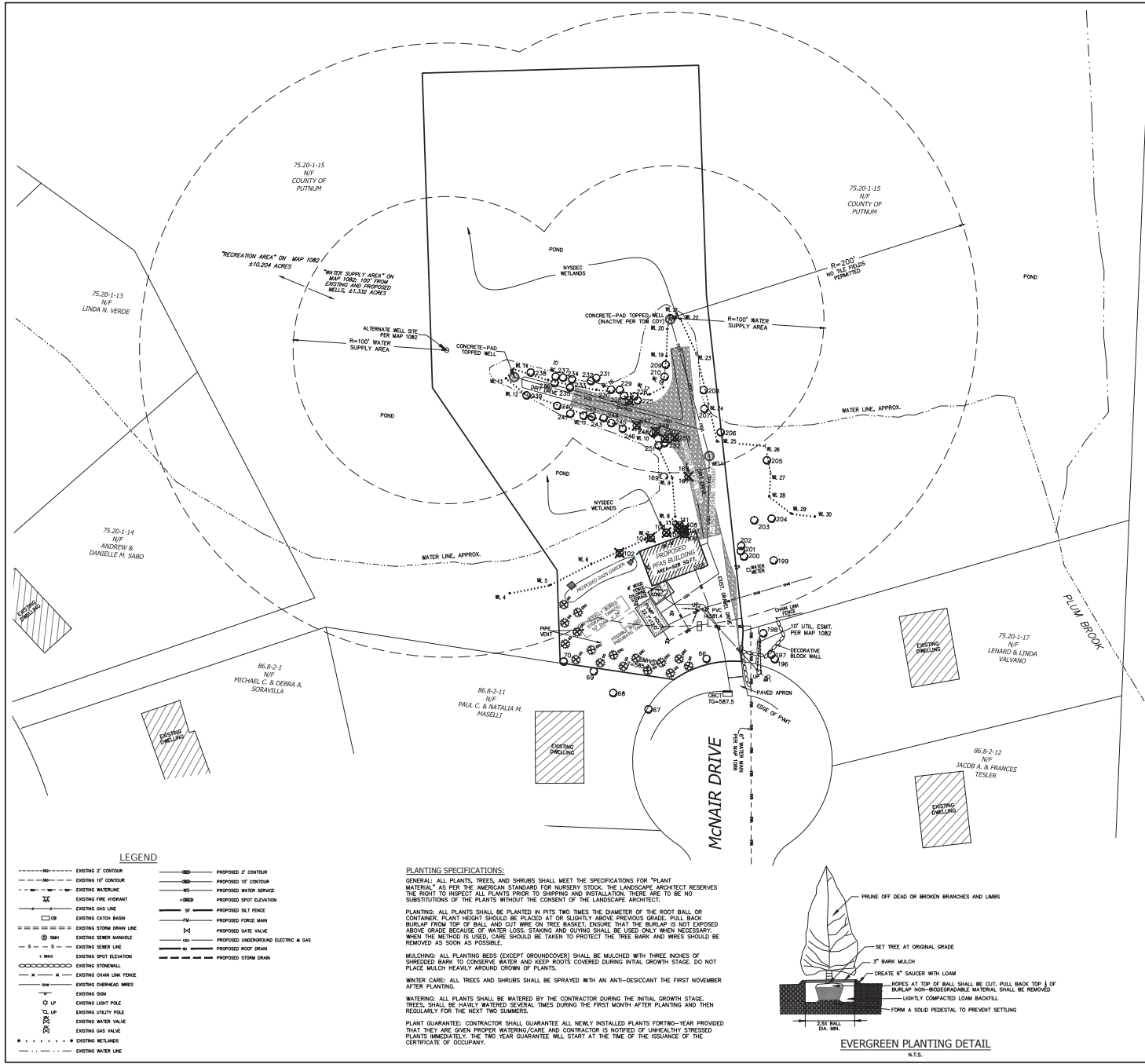
---	EXISTING 2' CONTOUR	---	PROPOSED 2' CONTOUR
---	EXISTING 10' CONTOUR	---	PROPOSED 10' CONTOUR
---	EXISTING WATERLINE	---	PROPOSED WATER SERVICE
---	EXISTING FIRE HYDRANT	---	PROPOSED SPOT ELEVATION
---	EXISTING GAS LINE	---	PROPOSED SILT FENCE
---	EXISTING CATCH BASIN	---	PROPOSED FORCE MAIN
---	EXISTING STORM DRAIN LINE	---	PROPOSED GATE VALVE
---	EXISTING SEWER MANHOLE	---	PROPOSED UNDERGROUND ELECTRIC & GAS
---	EXISTING SEWER LINE	---	PROPOSED ROOF DRAIN
---	EXISTING SPOT ELEVATION	---	PROPOSED STORM DRAIN
---	EXISTING STONEWALL		
---	EXISTING CHAIN LINK FENCE		
---	EXISTING CHAIN LINK FENCES		
---	EXISTING SIGN		
---	EXISTING LIGHT POLE		
---	EXISTING UTILITY POLE		
---	EXISTING WATER VALVE		
---	EXISTING GAS VALVE		
---	EXISTING METLANDS		
---	EXISTING WATER LINE		

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT NO PERSON SHALL PREPARE OR SIGN ANY DRAWING OR SPECIFICATION FOR LAND SURVEYING UNLESS HE IS A LICENSED PROFESSIONAL ENGINEER UNDER THE PROVISIONS OF SECTION 1305 OF THE EDUCATION LAW. THE PROFESSIONAL ENGINEER SHALL SIGN ONLY THOSE PORTIONS OF THE DRAWING OR SPECIFICATION WHICH HE HAS PREPARED OR CHECKED AND WHICH HE IS RESPONSIBLE FOR. THE PROFESSIONAL ENGINEER SHALL SIGN ONLY THOSE PORTIONS OF THE DRAWING OR SPECIFICATION WHICH HE HAS PREPARED OR CHECKED AND WHICH HE IS RESPONSIBLE FOR.

STATE OF NEW YORK
JULY 19, 2021
N.Y.S. PROFESSIONAL ENGINEER 89066

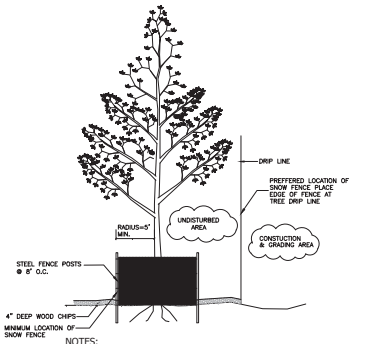
STATE OF NEW YORK
JULY 19, 2021
N.Y.S. PROFESSIONAL ENGINEER 89028

REVISION	DATE	DESCRIPTION
		ATZL, NASHER & ZIGLER P.C. ENGINEERS - SURVEYORS - PLANNERS 832 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-6543 E-mail: info@ansny.com Web: www.ANZNY.com
PROJECT: SUEZ WATER NEW YORK, INC. CHATEAU WELL 1, 2 & 3		
TOWN OF CARMEL PUTNAM COUNTY, NEW YORK		
TITLE: EROSION & SEDIMENT CONTROL PLAN		
DRAWN BY: IS	CHECKED BY: JRA	
DATE: JULY 19, 2021	SCALE: 1 IN. = 30 FT.	
PROJECT NO:	DRAWING NO:	
4874	4	



TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
66	30"	MAPLE	GOOD	210	10"	MAPLE	POOR
67	10"	PINE	GOOD	225	8"	MAPLE	POOR
68	9"	PINE	GOOD	226	8"	MAPLE	GOOD
69	6"	LOCUST	GOOD	227-10"	MAPLE	POOR	
70	6"	LOCUST	GOOD	228	10"	MAPLE	POOR
106-24"	MAPLE	POOR	229	6"	MAPLE	POOR	
104-10"	MAPLE	POOR	230	7"	MAPLE	POOR	
108-10"	MAPLE	POOR	231	17"	MAPLE	POOR	
106-10"	MAPLE	POOR	232	12"	MAPLE	POOR	
107-8"	MAPLE	POOR	233	8"	MAPLE	GOOD	
108-10"	MAPLE	POOR	234	6"	MAPLE	GOOD	
109-10"	MAPLE	POOR	235	6"	MAPLE	POOR	
140-2"	MAPLE	POOR	236	6"	MAPLE	GOOD	
144-14"	MAPLE	POOR	237	6"	MAPLE	GOOD	
147-12"	LOCUST	POOR	238	6"	MAPLE	POOR	
146-8"	LOCUST	POOR	239	7"	TWIN MAPLE	GOOD	
169	14"	MAPLE	POOR	240	6"	MAPLE	GOOD
198	12"	MAPLE	GOOD	241	6"	MAPLE	GOOD
197	16"	TWIN MAPLE	GOOD	242	12"	MAPLE	POOR
198	18"	MAPLE	GOOD	243	8"	MAPLE	POOR
199	14"	QUAD MAPLE	GOOD	244	8"	MAPLE	POOR
200	10"	ASH	GOOD	245	12"	MAPLE	POOR
201	14"	MAPLE	GOOD	246	8"	MAPLE	POOR
202	8"	TRIP MAPLE	POOR	247-10"	MAPLE	POOR	
203	12"	QUAD MAPLE	GOOD	248	9"	MAPLE	POOR
204	10"	TWIN MAPLE	GOOD	249-10"	MAPLE	POOR	
205	10"	TRIP MAPLE	GOOD	260-10"	MAPLE	POOR	
206	16"	MAPLE	GOOD	251	16"	MAPLE	GOOD
207	8"	MAPLE	GOOD	252	12"	MAPLE	GOOD
208	8"	QUAD MAPLE	GOOD	263-14"	MAPLE	POOR	
209	10"	MAPLE	POOR				



NOTES:
 1) INSTALL SNOW FENCE TREE PROTECTION PRIOR TO ANY CLEARING OR EXCAVATION.
 2) MAXIMUM SNOW FENCE FOR THE DURATION OF THE CONSTRUCTION PERIOD.

TREE PROTECTION DETAIL
N.T.S.

PLANT LIST

SYMBOL	NO.	PLANT NAME	HEIGHT	QUANTITY	SIZE & REMARKS
○	1	THUJA PLICATA Green Giant variety	50 FT. TO 60 FT.	9	5 FT. H. FIM# 3' to 60' loc.
○	END 1	JUNIPERUS VIRGINIANA Custom Red Cedar	50 FT. TO 60 FT.	7	5 FT. H. FIM# 3' to 60' loc.

LEGEND

---	EXISTING 3' CONTOUR	○	PROPOSED 2' CONTOUR
---	EXISTING 10' CONTOUR	○	PROPOSED 10' CONTOUR
---	EXISTING WATERLINE	○	PROPOSED WATER SERVICE
---	EXISTING FIRE HYDRANT	○	PROPOSED SPOT ELEVATION
---	EXISTING GAS LINE	○	PROPOSED 6" FLOOR
---	EXISTING CATCH BASIN	○	PROPOSED FORCE MAIN
---	EXISTING STORM DRAIN LINE	○	PROPOSED GATE VALVE
---	EXISTING SEWER MANHOLE	○	PROPOSED UNDERGROUND ELECTRIC & GAS
---	EXISTING SEWER LINE	○	PROPOSED ROOF DRAIN
---	EXISTING SPOT ELEVATION	○	PROPOSED STORM DRAIN
---	EXISTING STONEWALL	○	
---	EXISTING CHAIN LINK FENCE	○	
---	EXISTING OVERHEAD WIRE	○	
---	EXISTING SIGN	○	
---	EXISTING LIGHT POLE	○	
---	EXISTING UTILITY POLE	○	
---	EXISTING WATER VALVE	○	
---	EXISTING GAS VALVE	○	
---	EXISTING WETLANDS	○	
---	EXISTING WATER LINE	○	

PLANTING SPECIFICATIONS:

GENERAL: ALL PLANTS, TREES, AND SHRUBS SHALL MEET THE SPECIFICATIONS FOR "PLANT MATERIAL" AS PER THE AMERICAN STANDARD FOR NURSERY STOCK. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT ALL PLANTS PRIOR TO SHIPPING AND INSTALLATION. THERE ARE TO BE NO SUBSTITUTIONS OF THE PLANTS WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT.

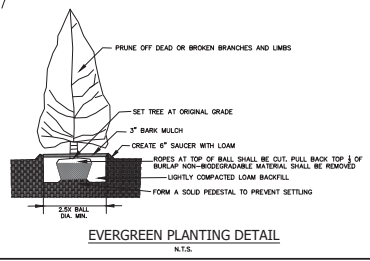
PLANTING: ALL PLANTS SHALL BE PLANTED IN PITS TWO TIMES THE DIAMETER OF THE ROOT BALL OR CONTAINER. PLANT HEIGHT SHOULD BE PLACED AT OR SLIGHTLY ABOVE PREVIOUS GRADE. PULL BACK BURLAP FROM TOP OF BALL AND CUT WIRE ON TREE BASKET. ENSURE THAT THE BURLAP IS NOT EXPOSED ABOVE GRADE BECAUSE OF WATER LOSS, STAMING AND GYVING SHALL BE USED ONLY WHEN NECESSARY. WHEN THE METHOD IS USED, CARE SHOULD BE TAKEN TO PROTECT THE TREE BARK AND WIRES SHOULD BE REMOVED AS SOON AS POSSIBLE.

MULCHING: ALL PLANTING BEDS (EXCEPT GROUNDCOVER) SHALL BE MULCHED WITH THREE INCHES OF SHREDED BARK TO CONSERVE WATER AND KEEP ROOTS COVERED DURING INITIAL GROWTH STAGE. DO NOT PLANE MULCH NEARLY AROUND CROWN OF PLANTS.

WATER CARE: ALL TREES AND SHRUBS SHALL BE SPRAYED WITH AN ANTI-DESCSANT THE FIRST NOVEMBER AFTER PLANTING.

WATERING: ALL PLANTS SHALL BE WATERED BY THE CONTRACTOR DURING THE INITIAL GROWTH STAGE. TREES SHALL BE HEAVILY WATERED SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND THEN REGULARLY FOR THE NEXT TWO SUMMERS.

PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL NEWLY INSTALLED PLANTS FORTY-TWO YEAR PROVIDED THAT THEY ARE GIVEN PROPER WATERING/CARE AND CONTRACTOR IS NOTIFIED OF UNHEALTHY STRESSED PLANTS IMMEDIATELY. THE TWO YEAR GUARANTEE WILL START AT THE TIME OF THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.



EVERGREEN PLANTING DETAIL
N.T.S.

UNANNOUNCED EXCAVATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED AND REGISTERED PROFESSIONAL ENGINEER'S SEAL SHALL BE CONSIDERED TO BE VOID THE DATE OF SUCH EXCAVATION OR ADDITION. THE PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERATION TO THE DRAWING AND OF THE SPECIFICATIONS (NY EDUCATION LAW SECTION 700-2.3).

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT ANY PERSON ATTEMPTING TO PRACTICE FOR LAND SURVEYORS WITHOUT BEING A LICENSED AND REGISTERED PROFESSIONAL ENGINEER SHALL BE CONSIDERED TO BE VOID THE DATE OF SUCH EXCAVATION OR ADDITION. THE PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERATION TO THE DRAWING AND OF THE SPECIFICATIONS (NY EDUCATION LAW SECTION 700-2.3).

CERTIFICATION INDICATED HERE ON SURVEY MAP HAS BEEN REVIEWED AND APPROVED BY THE STATE OF NEW YORK SURVEYORS' BOARD FOR THE PURPOSES OF THE EDUCATION LAW OF THE STATE OF NEW YORK. THE PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE ALTERATION TO THE DRAWING AND OF THE SPECIFICATIONS (NY EDUCATION LAW SECTION 700-2.3).

STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 N.Y.S. REG. NO. 13066

STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 N.Y.S. REG. NO. 13028

REVISION	DATE	DESCRIPTION

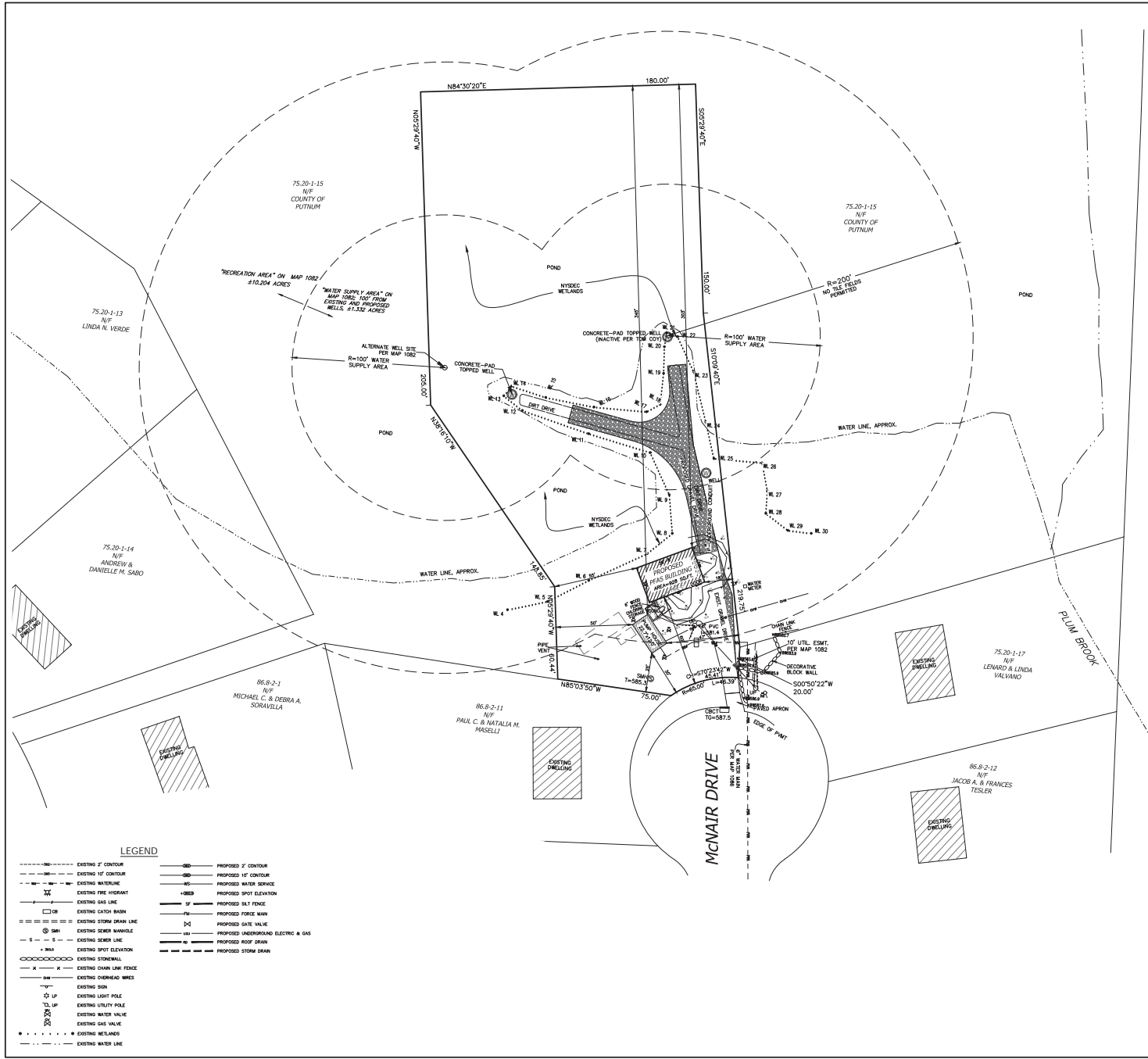
ATZLI, NASHER & ZIGLER P.C.
 ENGINEERS - SURVEYORS - PLANNERS
 832 North Main Street
 New City, New York 10956
 Tel: (845) 634-4894
 Fax: (845) 634-6543
 E-mail: info@anzny.com
 Web: www.anzny.com

PROJECT: **SUEZ WATER NEW YORK, INC.**
CHATEAU WELL 1, 2 & 3

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **TREE & LANDSCAPE PLAN**

DRAWN BY: IS	CHECKED BY: JRA
DATE: JULY 19, 2021	SCALE: 1 IN. = 30 FT.
PROJECT NO: 4874	DRAWING NO: 5



RAB CONTACT INFORMATION:
 DAWN SALES (732) 985-8868
 RAB LIGHTING (201) 931-9062



15, 18 AND 28 WATT SLIM WALL PACKS ARE ULTRA EFFICIENT AND
 PROVIDE IMPROVED LIGHT DISTRIBUTION WITH A CONTACT LOW-BEAM
 DESIGN THAT'S SUPER EASY TO INSTALL AS A DOWNLIGHT OR UPLIGHT.
 COLOR: BRONZE WEIGHT: 4.5 LBS
SLIM12Y WALL MOUNT DETAIL
 N.T.S.

Luminaire Schedule	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating
C	2	SLIM12Y	SINGLE	N/A	1.000	Wall Mount	B1+0.0-0.0

LEGEND

- - - - -	EXISTING 2' CONTOUR	- - - - -	PROPOSED 2' CONTOUR
- - - - -	EXISTING 10' CONTOUR	- - - - -	PROPOSED 10' CONTOUR
- - - - -	EXISTING WATERLINE	- - - - -	PROPOSED WATER SERVICE
- - - - -	EXISTING FIRE HYDRANT	- - - - -	PROPOSED SPOT ELEVATION
- - - - -	EXISTING GAS LINE	- - - - -	PROPOSED 4X4 FENCE
- - - - -	EXISTING CATCH BASIN	- - - - -	PROPOSED FORCE MAIN
- - - - -	EXISTING STORM DRAIN LINE	- - - - -	PROPOSED GATE VALVE
- - - - -	EXISTING SEWER MANHOLE	- - - - -	PROPOSED UNDERGROUND ELECTRIC & GAS
- - - - -	EXISTING SEWER LINE	- - - - -	PROPOSED 4X4 DRAIN
- - - - -	EXISTING SPOT ELEVATION	- - - - -	PROPOSED STORM DRAIN
- - - - -	EXISTING STORMWALL	- - - - -	
- - - - -	EXISTING DRAIN LINE FENCE	- - - - -	
- - - - -	EXISTING OVERHEAD WIRE	- - - - -	
- - - - -	EXISTING SIGN	- - - - -	
- - - - -	EXISTING LIGHT POLE	- - - - -	
- - - - -	EXISTING UTILITY POLE	- - - - -	
- - - - -	EXISTING WATER VALVE	- - - - -	
- - - - -	EXISTING GAS VALVE	- - - - -	
- - - - -	EXISTING WETLANDS	- - - - -	
- - - - -	EXISTING WATER LINE	- - - - -	

UNANNOUNCED ALTERATION OR
 ADDITION TO A SURVEY MAP BEING A
 VIOLATION OF SECTION 130-A,
 SUBSECTION 2, OF THE NEW YORK STATE
 EDUCATION LAW.
 ONLY COPIES FROM THE ORIGINAL TRACINGS
 OF THIS SURVEY MAP MARKED WITH THE
 LAND SURVEYOR'S LICENSE NO. SHALL
 BE CONSIDERED TO BE VALID TRUE
 COPIES.

THE EDUCATION LAW OF THE STATE OF
 NEW YORK PROVIDES THAT ANY PERSON
 ATTEMPTING TO ALTER OR ADD TO
 ANY SURVEY MAP OR TO REPRODUCE
 ANY SURVEY MAP WITHOUT THE WRITTEN
 PERMISSION OF THE PROFESSIONAL
 SURVEYOR WHO PREPARED SUCH
 MAP OR TO REPRODUCE SUCH MAP
 WITHOUT THE WRITTEN PERMISSION OF
 THE PROFESSIONAL SURVEYOR WHO
 PREPARED SUCH MAP SHALL BE
 CONSIDERED TO BE VIOLATING THE
 PROVISIONS OF THE EDUCATION LAW
 SECTION 130-A(2).

STATE OF NEW YORK
 JACOB R. ZIGLER
 N.Y.S. LICENSE NO. 89066

STATE OF NEW YORK
 JACOB R. ZIGLER
 N.Y.S. LICENSE NO. 89228

REVISION	DATE	DESCRIPTION
 ATZLI, NASHER & ZIGLER P.C. ENGINEERS - SURVEYORS - PLANNERS 832 North Main Street New City, New York 10956 Tel: (845) 634-4894 Fax: (845) 634-6543 E-mail: info@anzny.com Web: www.anzny.com		
PROJECT: SUEZ WATER NEW YORK, INC. CHATEAU WELL 1, 2 & 3		
TOWN OF CARMEL PUTNAM COUNTY, NEW YORK		
LIGHTING PLAN		
DRAWN BY: IS	CHECKED BY: JRA	
DATE: JULY 19, 2021	SCALE: 1 IN. = 30 FT.	
PROJECT NO:	4874	DRAWING NO: 6



July 22 , 2021

**SUEZ WATER NEW YORK INC
PFAS COMPLIANCE FOR MAHOPAC WELL SITE**

Narrative Summary

SUEZ Water New York Inc. (SWNY) owns and operates the existing Mahopac Wells 1, 2, & 3 site located in a residential area 150 feet southwest of 34 Coventry Circle, Mahopac, Putnam County, New York and serve approximately 300 customers. SWNY plans to construct upgrades to the existing Mahopac well site using the Engineering, Procurement, and Construction (EPC) project delivery method. This method will be utilized to comply with the state drinking water regulations for per - and polyfluoroalkyl substances (PFAS).

The existing facility pump capacity is 130 gallons per minute (gpm). The chemical feed uses Sodium hypochlorite (disinfectant) and SeaQuest. The onsite controls include the ability to operate the site remotely through the supervisory control and data acquisition SCADA program.

The proposed treatment system will include upsizing the pumps to compensate for headloss during the GAC treatment. It will not increase firm capacity of the well. The well water comes from three constant speed well pumps that convey water into Greensand units. Raw water will be dosed with sodium hypochlorite for oxidation before passing through the unit. Backwash waste is transferred to a decant tank to separate the sludge. Decant water is recycled back to the inlet of the Greensand units. Following the Greensand units, the water passes through granular activated carbon (GAC) treatment system in lead-lag configuration. That water will be dosed with sodium hypochlorite at 1.5 gph and corrosion inhibitor (SeaQuest) with 0.5 gph from the 50 gallon double walled chemical storage tanks. The treated water is transferred into an off-site 34,200-gallon above ground finished water storage tank before distribution.

The planned upgrade will not increase the firm capacity of the well, but will add treatment for PFAS to comply with the New York State Drinking Water maximum contaminant level (MCL) of 10 ppt for PFOA and PFOS. The well will remain operational during the course of construction with limited disruption during tying in and testing of the new treatment system.

Architectural treatment/elements will be consistent with the existing visible on-site structures and area residential structures to conform and provide a consistent appearance acceptable to the Owner and be approved by applicable Municipal Agencies and review boards.

All work will be in full conformance with the New York State Department of Environmental Conservation (NYSDEC), New York State and Putnam County Departments of

Health, the Town of Carmel, and other authorities having jurisdiction.

We are respectfully requesting a waiver of the landscaping requirement. The location for the proposed improvements from the existing homes is approximately 145 feet away. Also, the density of the existing foliage is quite extensive, and should serve as an adequate buffer to the homes.

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**

Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Re: **Site Plan Application**
SUEZ Water New York, Inc. – Mahopac Wells 1, 2, & 3
Proposed Building Materials Narrative

All,

Building Structures were originally proposed to be made of prefabricated metal building, with steel framing, insulated metal wall panels with an exterior color, standing seam roof system, with a cast in place concrete foundation designed to accommodate the load of the building structure, equipment, vessels, and all other loads impacting the foundation.

Due to extensive lead time delays for fabrication of the originally proposed means of designing, fabricating, and erecting the building, we are currently exploring other material options for the building to better meet schedule requirements.

At this time, the building materials are yet to be determined, but we are currently in the process of finalizing our alternative options.

Sincerely,
J. Fletcher Creamer & Son, Inc.

Copy to:

101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901

JFCSON.COM



TOWN OF CARMEL
SITE PLAN APPLICATION
INSTRUCTIONS



Mahopac Wells

The Town of Carmel Planning Board meetings are held twice a month, on the second and fourth Wednesday's, at 7:00 PM at Carmel Town Hall, 60 McAlpin Avenue, Carmel

The submission deadline is 10 days prior to the Planning Board meeting. New site plan applications that have been deemed complete will be placed on the agenda in the order they are received.

No application will be placed on the agenda that is incomplete

Pre-Submission:

Prior to the formal submission of the site plan, a pre-submission conference may be requested by the applicant to be conducted with representatives from the Town, which may include the Town Planner, Town Engineer, Director of Code Enforcement and/or the Planning Board Attorney. This conference will serve to educate the applicant on the process he/she must follow, clarify the information required to submit a complete site plan application, and to highlight any specific areas of concern. You may arrange a pre-submission conference through the Planning Board Secretary at (845) 628-1500 extension 190.

Submission Requirements:

At least 10 days prior to the Planning Board meeting, the site plan application shall be submitted to the Planning Board Secretary as follows:

All site plans shall be signed, sealed and folded with the title box legible. The application package shall include:

- 11 copies of the Site Plan Application Form, signed and notarized.
- 11 copies of the SEQR Environmental Assessment Form (use of short form or long form shall be determined at pre-submission conference).
- 5 full size sets of the Site Plan (including floor plans and elevations)
- 1 CD (in pdf. format) containing an electronic version of the Site Plan
- 2 copies of the Disclosure Statement
- 11 copies of the Site Plan Completeness Certification Form
- All supplemental studies, reports, plans and renderings.
- 2 copies of the current deed.
- 2 copies of all easements, covenants and restrictions.
- The appropriate fee, determined from the attached fee schedule. Make checks payable to the *Town of Carmel*.

Rose Fromlith 8/31/21
 Planning Board Secretary; Date

Richard J. Mantel 8/31/2024
 Town Engineer; Date



TOWN OF CARMEL SITE PLAN APPLICATION



Per Town of Carmel Code – Section 156 - Zoning

SITE IDENTIFICATION INFORMATION		
Application Name: SUEZ Water New York, Inc. – Mahopac Wells 1, 2, & 3	Application # 21-0012	Date Submitted: August 27, 2021
Site Address: No. N/A Street: Coventry Circle Hamlet: Carmel		
Property Location: <i>(Identify landmarks, distance from intersections, etc.)</i> Located in a residential area, 150 feet southwest of 34 Coventry Circle		
Town of Carmel Tax Map Designation: Section 75.20 Block 2 Lot(s) 68	Zoning Designation of Site: Zone "R"	
Property Deed Recorded in County Clerk's Office Date 2/21/18 Liber 2069 Page 432	Liens, Mortgages or other Encumbrances Yes <input checked="" type="radio"/> No	
Existing Easements Relating to the Site No <input checked="" type="radio"/> Yes Describe and attach copies: See Attached Easement Documents	Are Easements Proposed? <input checked="" type="radio"/> No Yes Describe and attach copies:	
Have Property Owners within a 500' Radius of the Site Been Identified? <input checked="" type="radio"/> Yes No Attached List to this Application Form		
APPLICANT/OWNER INFORMATION		
Property Owner: SUEZ Water New York, Inc	Phone #: 845-620-3319 Fax#:	Email: steven.garabed@suez.com
Owners Address: No. 162 Street: Old Mill Road Town: West Nyack State: NY Zip: 10994		
Applicant (If different than owner): APPLICANT IS THE SAME AS OWNER	Phone #: Fax#:	Email:
Applicant Address (If different than owner): APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
Individual/ Firm Responsible for Preparing Site Plan: John Atzl - Atzl, Nasher & Zigler, PC	Phone #: (845) 634 4694 Fax#: (845) 634 5543	Email: jatzl@anzny.com
Address: No. 234 Street: North Main Street Town: New City State: NY Zip: 10956		
Other Representatives:	Phone #: Fax#:	Email:
Owners Address: APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
PROJECT DESCRIPTION		
Describe the project, proposed use and operation thereof: SUEZ is proposing the construction of upgrades at their existing Mahopac well site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		

TOWN OF CARMEL SITE PLAN APPLICATION


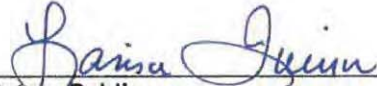
PROJECT INFORMATION		
Lot size: Acres: 53.38 Square Feet: 2,325,319	Square footage of all existing structures (bv floor): 456 SQ. FT (pump house and treatment trailer)	
# of existing parking spaces: 0	# of proposed parking spaces: 0	
# of existing dwelling units: 0	# of proposed dwelling units: 0	
Is the site served by the following public utility infrastructure:		
<ul style="list-style-type: none"> ▪ Is project in sewer district <u>or will private septic system(s) be installed?</u> <u>No</u> ▪ If yes to Sanitary Sewer answer the following: <ul style="list-style-type: none"> ▶ Does approval exist to connect to sewer main? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▶ Is this an in-district connection? <u>TBD</u> Out-of district connection? <u>TBD</u> ▶ What is the total sewer capacity at time of application? <u>TBD</u> ▶ What is your anticipated average and maximum daily flow <u>TBD</u> 		
For Town of Carmel Town Engineer		
▶ What is the sewer capacity <u>TBD - ROP 8/31/2021</u>		
<ul style="list-style-type: none"> ▪ Water Supply Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> 		
No drinking water will be used		
If Yes: <ul style="list-style-type: none"> ▶ Does approval exist to connect to water main? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> ▶ What is the total water capacity at time of application? <u>NA</u> ▶ What is your anticipated average and maximum daily demand <u>NA</u> 		
<ul style="list-style-type: none"> ▪ Storm Sewer Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▪ Electric Service Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> ▪ Gas Service Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> • Telephone/Cable Lines Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 		
For Town of Carmel Town Engineer		
Water Flows <u>NA</u> Sewer Flows <u>TBD</u> <u>ROP 8/31/2021</u> Town Engineer; Date		
What is the predominant soil type(s) on the site?	What is the approximate depth to water table?	
<u>See attached for Soil Type Table</u>	<u>over 6 ft.</u>	
Site slope categories:	15-25% <u>0.5</u> %	25-35% <u>0.2</u> %
Estimated quantity of excavation:	Cut (C.Y.) <u>73.10</u>	Fill (C.Y.) <u>58.29</u>
Is Blasting Proposed Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Unknown: <input type="checkbox"/>		
Is the site located in a designated Critical Environmental Area? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>		
Does a curb cut exist on the site? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	Are new curb cuts proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	What is the sight distance? Left <u>N/A</u> Right <u>N/A</u>
Is the site located within 500' of:		
<ul style="list-style-type: none"> • The boundary of an adjoining city, town or village 		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • The boundary of a state or county park, recreation area or road right-of-way 		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • A county drainage channel line. 		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
<ul style="list-style-type: none"> • The boundary of state or county owned land on which a building is located 		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>

----- additional cut will remain on site

TOWN OF CARMEL SITE PLAN APPLICATION

Is the site listed on the State or Federal Register of Historic Place (or substantially contiguous) Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the site located in a designated floodplain? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Will the project require coverage under the Current NYSDEC Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will the project require coverage under the Current NYCDEP Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Does the site disturb more than 5,000 sq ft		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Does the site disturb more than 1 acre		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site contain freshwater wetlands? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Jurisdiction: NYSDEC: <input checked="" type="checkbox"/> Town of Carmel: <input type="checkbox"/>			
<i>If present, the wetlands must be delineated in the field by a Wetland Professional, and survey located on the Site Plan.</i>			
Are encroachments in regulated wetlands or wetland buffers proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Does this application require a referral to the Environmental Conservation Board?		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Does the site contain waterbodies, streams or watercourses? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Are any encroachments, crossings or alterations proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the site located adjacent to New York City watershed lands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the project funded, partially or in total, by grants or loans from a public source? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will municipal or private solid waste disposal be utilized? Public: <input type="checkbox"/> Private: <input checked="" type="checkbox"/>			
Has this application been referred to the Fire Department? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
What is the estimated time of construction for the project? 12 months			
ZONING COMPLIANCE INFORMATION			
Zoning Provision	Required	Existing	Proposed
Lot Area	120,000 SQ. FT.	1,722,135 SQ. FT.	1,722,135 SQ. FT.
Lot Coverage	0.15	0.0002	0.0010
Lot Width	200 FT.	570 +/- FT.	570 +/- FT.
Lot Depth	—	—	—
Front Yard	40 FT.	1390 +/- FT.	1,435 +/- FT.
Side Yard	25 FT.	95 FT.	130 FT.
Rear Yard	40 FT.	358 FT.	288 FT.
Minimum Required Floor Area	—	—	—
Floor Area Ratio	—	—	—
Height	35 FT.	12 FT.	20 FT.
Off-Street Parking	2	0	0
Off-Street Loading	—	—	—

TOWN OF CARMEL SITE PLAN APPLICATION

Will variances be required? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	If yes, identify variances: NA
PROPOSED BUILDING MATERIALS - N/A	
Foundation	
Structural System	See attached narrative for proposed materials
Roof	
Exterior Walls	
APPLICANTS ACKNOWLEDGEMENT	
I hereby depose and certify that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true and correct.	
Christopher Graziano, General Manager SUEZ Water New York Inc.	
Applicants Name	Applicants Signature
Sworn before me this <u>18TH</u> day of <u>AUGUST</u> 20 <u>21</u>	
 Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> LARISA QUINN Notary Public, State of New York No. 01QU6382297 Qualified in Rockland County Commission Expires October 22, 2022 </div>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



All Site Plans submitted to the Planning Board for review shall include the following information and details, as set forth in Section 156-61 B of the Town of Carmel Zoning Ordinance.

This form shall be included with the site plan submission

	<i>Requirement Data</i>	<i>To Be Completed by the Applicant</i>	<i>Waived by the Town</i>
1	Name and title of person preparing the site plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Name of the applicant and owner (if different from applicant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Original drawing date, revision dates, scale and north arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Tax map, block and lot number(s), zoning district	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	All existing property lines, name of owner of each property within a 500' radius of the site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Contour lines at two-foot intervals, grades of all roads, driveways, sanitary and storm sewers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	The location of all water bodies, streams, watercourses, wetland areas, wooded areas, rights-of-way, streets, roads, highways, railroads, buildings, structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	The location of all existing and proposed easements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	The location of all existing and proposed structures, their use, setback dimensions, floor plans, front, side and rear elevations, buildable area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	On site circulation systems, access, egress ways and service roads, emergency service access and traffic mitigation measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Sidewalks, paths and other means of pedestrian circulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	On-site parking and loading spaces and travel aisles with dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	The location, height and type of exterior lighting fixtures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Proposed signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	For non-residential uses, an estimate of the number of employees who will be using the site, description of the operation, types of products sold, types of machinery and equipment used	<input checked="" type="checkbox"/>	<input type="checkbox"/>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



	<i>Requirement Data</i>	<i>To Be Completed by the Applicant</i>	<i>Waived by the Town</i>
16	The location of clubhouses, swimming pools, open spaces, parks or other recreational areas, and identification of who is responsible for maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	The location and design of buffer areas, screening or other landscaping, including grading and water management. A comprehensive landscaping plan in accordance with the Tree Conservation Law	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	The location of public and private utilities, maintenance responsibilities, trash and garbage areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	A list, certified by the Town Assessor, of all property owners within 500 feet of the site boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	Any other information required by the Planning Board which is reasonably necessary to ascertain compliance with this chapter	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Applicants Certification (to be completed by the licensed professional preparing the site plan:

I John Atzl hereby certify that the site plan to which I have attached my seal and signature, meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:



Signature - Applicant 	Date
Signature - Owner	Date



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
CERTIFICATION FORM**



Town Certification (to be completed by the Town)

I _____ hereby confirm that the site plan meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:

Rose Yonkleyth
Signature - Planning Board Secretary

8/31/2021
Date

Richard J. Marzetti
Signature - Town Engineer

8/31/2021
Date

Full Environmental Assessment Form
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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SUEZ Water New York, Inc. – London Bridge Well 1 & 2		
Project Location (describe, and attach a general location map): 39 Brook Street in the Town of Carmel, Putnam County		
Brief Description of Proposed Action (include purpose or need): SUEZ Water is proposing the construction of upgrades at their existing London Bridge Well 1 & 2 site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		
Name of Applicant/Sponsor: SUEZ Water New York, Inc.	Telephone: 845-620-3319	E-Mail: steven.garabed@suez.com
Address: 162 Old Mill Road		
City/PO: West Nyack	State: NY	Zip Code: 10994
Project Contact (if not same as sponsor; give name and title/role): John Atzl - Atzl, Nasher & Zigler, PC	Telephone: 845-634-4694	E-Mail: jatzl@anzny.com
Address: 234 North Main Street		
City/PO: New City	State: NY	Zip Code: 10956
Property Owner (if not same as sponsor): PROPERTY OWNER IS THE SAME AS APPLICANT	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

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 Counsel, Town Board, <input type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Planning Board - Site Plan and Conditional Use Approval	August 2021
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Zoning Board - variance	August 2021
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Building Department - Building Permit, Sewer Connection Permit	August 2021
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Putnam County Department of Health	August 2021
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources. i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? YesNo

- 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? YesNo

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? YesNo

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?) YesNo

If Yes, identify the plan(s):

NYC Watershed Boundary _____

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? YesNo

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?
Residential District

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? Mahopac Central School District

b. What police or other public protection forces serve the project site?
Town of Carmel Police Department

c. Which fire protection and emergency medical services serve the project site?
Mahopac Volunteer Fire Department

d. What parks serve the project site?
Airport Field, Sycamore Town Park

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)? Industrial Water Treatment and Supply

b. a. Total acreage of the site of the proposed action? _____ 1.61 acres
b. Total acreage to be physically disturbed? _____ 0.26 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 1.61 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)? % 194 Units: 726 sq. ft.

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 the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: _____ 12 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

*

* Calculation: [Proposed building expansion (sq ft)/ Existing building (sq ft)] X 100
(1,305 sq. ft. proposed building /456 sq. ft. existing building) X 100

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

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
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 _____ 1

ii. Dimensions (in feet) of largest proposed structure: _____ 22 height; _____ 22 width; and _____ 33 length

iii. Approximate extent of building space to be heated or cooled: _____ 726 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? Yes No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

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 the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the 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), what is the 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 a 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 the 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)
 Construction equipment and vehicles _____
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 Power generation _____
 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 (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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 truck trips/day and type (e.g., semi trailers and dump trucks): _____
 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 1/2 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: _____
 16,335 kWh*
 ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):
 New York State Electric & Gas Corporation
 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: _____ 8AM - 6PM
 • Saturday: _____ 8AM - 6PM
 • Sunday: _____ 8AM - 6PM
 • Holidays: _____ CLOSED
 ii. During Operations:
 • Monday - Friday: _____ 24 hours/day
 • Saturday: _____ 24 hours/day
 • Sunday: _____ 24 hours/day
 • Holidays: _____ 24 hours/day

***The average number of kilowatt hours per square foot for a commercial building is approximately 22.5. (Source: Iota Communications.com). The proposed building is 456 sq. ft.**

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:
 The operation of construction equipment will increase local daytime ambient noise levels. This will only occur during permitted hours of operation and the resulting noise will cease upon completion of the project.

ii. Will the 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:
 See Lighting Plan _____

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 _____
 ii. Volume(s) _____ per unit time _____ (e.g., month, year)
 iii. Generally, describe the proposed storage facilities: _____

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 the 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): Industrial Water Treatment and Supply

ii. If mix of uses, generally describe: _____

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.07	0.2	+ 0.13
• Forested	1.34	1.21	- 0.13
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.02	0.02	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.05	0.05	0
• Wetlands (freshwater or tidal) *pond is included*	0.13	0.13	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• 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:

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): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control 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): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

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? _____ >5.7 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:

CrC - Charlton-Chatfield complex	15 %
<u>SEE ATTACHED SOIL TABLE FOR ALL SOILS ON PROJECT SITE</u>	
W - Water	14 %
Ce- Catden muck	13 %

d. What is the average depth to the water table on the project site? Average: _____ >3.5 feet

e. Drainage status of project site soils:

<input checked="" type="checkbox"/> Well Drained:	47 % of site	Poorly drained:	3 % of site
<input checked="" type="checkbox"/> Very poorly drained	29 % of site	Moderately well drained:	3 % of site
<input checked="" type="checkbox"/> Somewhat poorly drained	5 % of site	Water:	13 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: 72 % of site
Note: Slope information is based on the area surveyed which was 4.096 acres 10-15%: 11 % of site
 15% or greater: 17 % 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 864-160 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland Approximate size _____
- Wetland No. (if regulated by DEC) CF-1

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: _____

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Squirrel _____</td> <td style="width: 33%;">Raccoon _____</td> <td style="width: 33%;">_____</td> </tr> <tr> <td>Deer _____</td> <td>Possum _____</td> <td>_____</td> </tr> <tr> <td>Rabbit _____</td> <td>Fox _____</td> <td>_____</td> </tr> </table>		Squirrel _____	Raccoon _____	_____	Deer _____	Possum _____	_____	Rabbit _____	Fox _____	_____
Squirrel _____	Raccoon _____	_____								
Deer _____	Possum _____	_____								
Rabbit _____	Fox _____	_____								
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p>										
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>										
<p>E.3. Designated Public Resources On or Near Project Site</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>										
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>										
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>										
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>										

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? Yes No

If Yes:

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

ii. Name: _____

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

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 five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: State Scenic Byway

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

iii. Distance between project and resource: _____ 3.3 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

*A submission has been made to the State Historic Preservation Office (SHPO) to gain input.

F. Additional Information

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

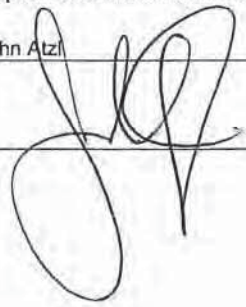
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

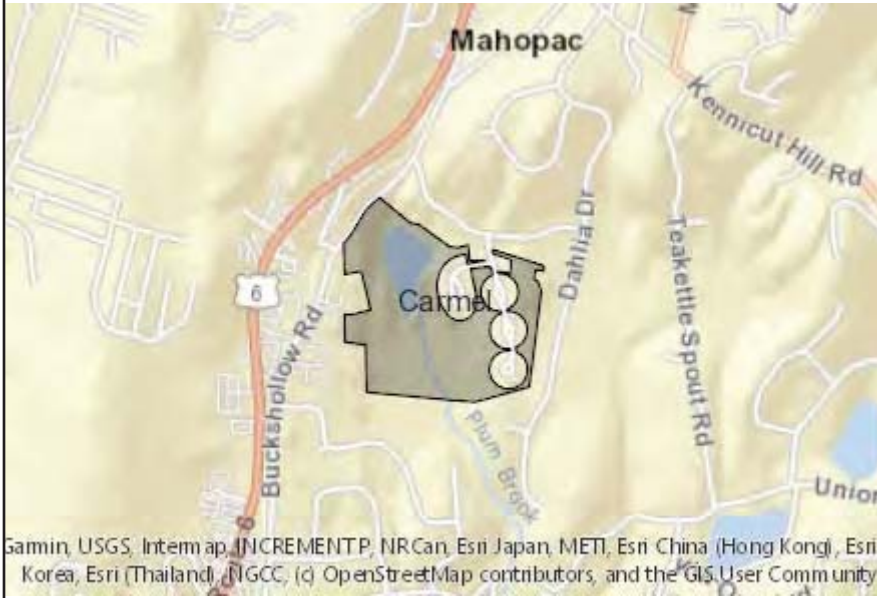
G. Verification

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

Applicant/Sponsor Name John Atzi Date August 27, 2021

Signature _____ Title Land Surveyor





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.

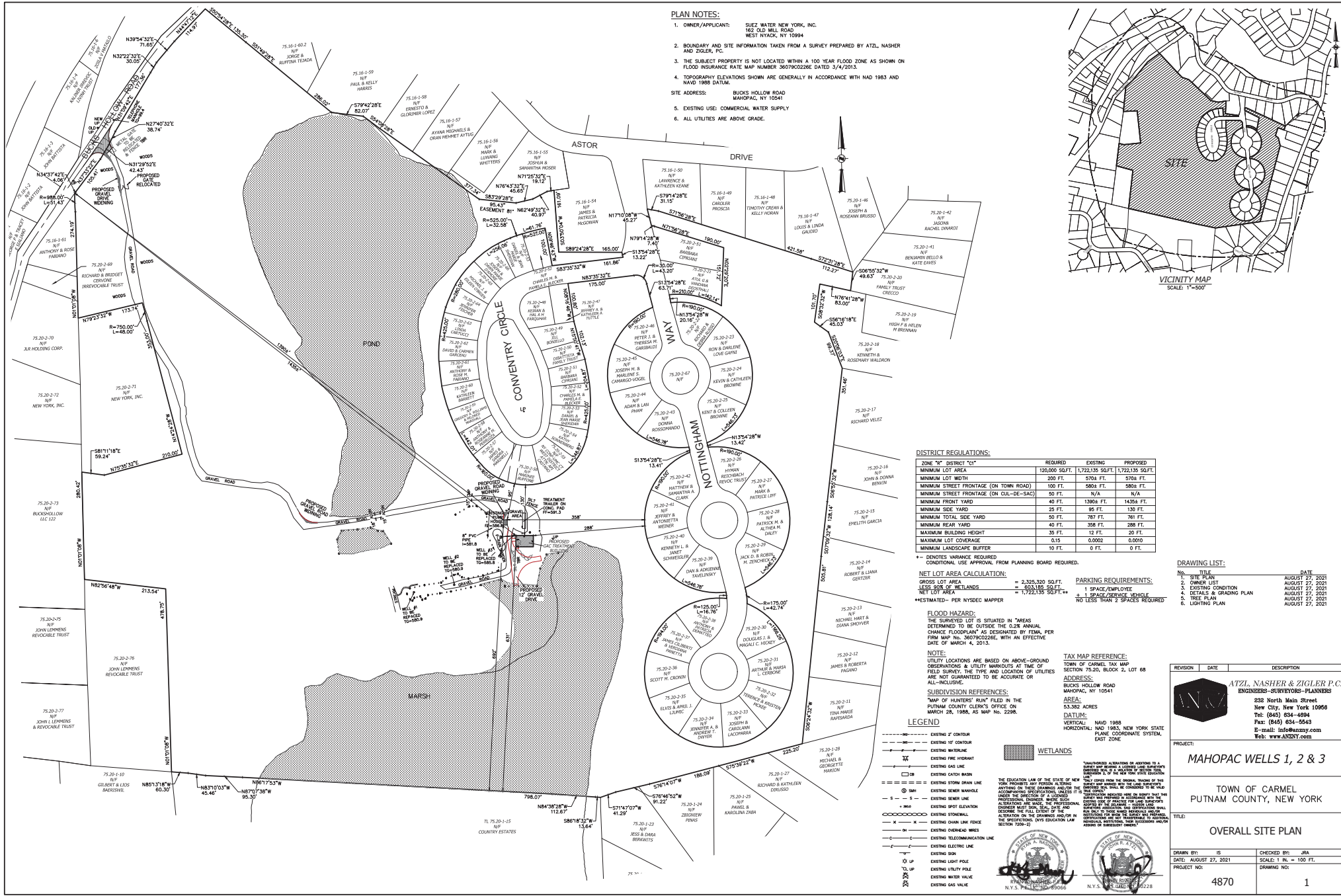


B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYC Watershed Boundary
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
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]	864-160
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):25.5
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	CF-1

E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Northern Long-eared Bat
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 or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No







PLAN NOTES:

- OWNER/APPLICANT: SUEZ WATER NEW YORK, INC. 162 OLD MILL ROAD WEST NYCK, NY 10994
- BOUNDARY AND SITE INFORMATION TAKEN FROM A SURVEY PREPARED BY ATZL, NASHER AND ZIGLER, P.C.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 50703022E DATED 3/4/2013.
- TOPOGRAPHY ELEVATIONS SHOWN ARE GENERALLY IN ACCORDANCE WITH MAD 1985 AND NAVD 1988 DATUM.
- SITE ADDRESS: BUCKS HOLLOW ROAD MAHOPAC, NY 10841
- EXISTING USE: COMMERCIAL WATER SUPPLY
- ALL UTILITIES ARE ABOVE GRADE.

DISTRICT REGULATIONS:

ZONE "R" DISTRICT "G1"	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	120,000 SQ.FT.	1,721,135 SQ.FT.	1,721,135 SQ.FT.
MINIMUM LOT WIDTH	200 FT.	5703 FT.	5703 FT.
MINIMUM STREET FRONTAGE (ON TOWN ROAD)	100 FT.	5803 FT.	5803 FT.
MINIMUM STREET FRONTAGE (ON CUL-DE-SAC)	50 FT.	N/A	N/A
MINIMUM FRONT YARD	40 FT.	13903 FT.	14353 FT.
MINIMUM SIDE YARD	25 FT.	95 FT.	130 FT.
MINIMUM TOTAL SIDE YARD	50 FT.	787 FT.	787 FT.
MINIMUM REAR YARD	40 FT.	308 FT.	208 FT.
MAXIMUM BUILDING HEIGHT	35 FT.	12 FT.	20 FT.
MAXIMUM LOT COVERAGE	0.15	0.0002	0.0000
MINIMUM LANDSCAPE BUFFER	10 FT.	0 FT.	0 FT.

NET LOT AREA CALCULATION:
 GROSS LOT AREA = 2,325,320 SQ.FT.
 LESS SPACES & WETLANDS = 1,633,165 SQ.FT.
 NET LOT AREA = 1,692,155 SQ.FT.±

PARKING REQUIREMENTS:
 1 SPACE/EMPLOYEE
 NO LESS THAN 2 SPACES REQUIRED

FLOOD HAZARD:
 THE SURVEYED LOT IS SITUATED IN "AREAS DETERMINED TO BE OUTSIDE THE 1% ANNUAL CHANCE FLOODPLAIN" AS DESIGNATED BY FEMA, PER FIRM MAP NO. 50703022E, WITH AN EFFECTIVE DATE OF MARCH 4, 2013.

NOTE:
 UTILITY LOCATIONS ARE BASED ON ABOVE-GROUND OBSERVATIONS & UTILITY MARKOUTS AT TIME OF FIELD SURVEY. THE TYPE AND LOCATION OF UTILITIES ARE NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE.

LEGEND:
 --- EXISTING 1/2" CONTOUR
 --- EXISTING 1" CONTOUR
 --- EXISTING WATERLINE
 --- EXISTING FIRE HOSELINE
 --- EXISTING WATER MAIN
 --- EXISTING CATCH BASIN
 --- EXISTING STORM DRAIN LINE
 --- EXISTING SEWER MANHOLE
 --- EXISTING SEWER LINE
 --- EXISTING SEWER LINE
 --- EXISTING SPOUT ELEVATION
 --- EXISTING STONEWALL
 --- EXISTING CHAIN LINK FENCE
 --- EXISTING OVERHEAD WIRE
 --- EXISTING TELECOMMUNICATION LINE
 --- EXISTING ELECTRIC LINE
 --- EXISTING SIGN
 --- EXISTING LIGHT POLE
 --- EXISTING UTILITY POLE
 --- EXISTING WATER VALVE
 --- EXISTING GAS VALVE

TAX MAP REFERENCE:
 TOWN OF CARMEL TAX MAP SECTION 75.20.23, BLOCK 2, LOT 68
 ADDRESS: BUCKS HOLLOW ROAD MAHOPAC, NY 10841
 AREA: 53.382 ACRES
 DATUM: NAVD 1988
 HORIZONTAL: MAD 1985, NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE
 VERTICAL: NAVD 1988

SEALS:
 State of New York Seal
 Town of Carmel Seal
 Professional Engineer Seal (No. 10228)

DRAWING LIST:

NO.	TITLE	DATE
1.	SITE PLAN	AUGUST 27, 2021
2.	OWNER LIST	AUGUST 27, 2021
3.	EXISTING CONDITION	AUGUST 27, 2021
4.	DETAILS & GRADING PLAN	AUGUST 27, 2021
5.	TREE PLAN	AUGUST 27, 2021
6.	LIGHTING PLAN	AUGUST 27, 2021

ATZL, NASHER & ZIGLER P.C.
 232 North Main Street
 New City, New York 10966
 Tel: (845) 654-4694
 Fax: (845) 654-5543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

MAHOPAC WELLS 1, 2 & 3

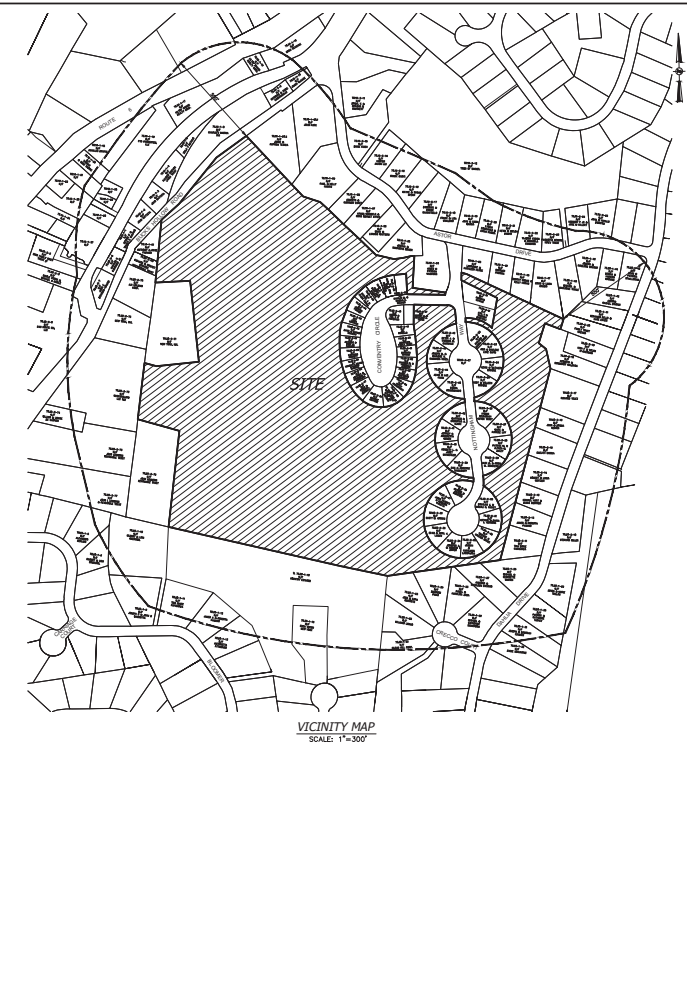
**TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK**

OVERALL SITE PLAN

DATE: AUGUST 27, 2021 SCALE: 1" = 100' FT.
 PROJECT NO: 4870 DRAWING NO: 1

OWNERS WITHIN 500 FEET:
TOWN OF CARMEL TAX MAP

75.16-1-1	GEORGE P & TRACEY E SALIANO 145 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-1-43	JAMES & CAROLINE COOKE 145 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.20-2-25	KENT & COLLEEN BROWNE 21 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-61	ANTHONY & ROSE M. FABIANO 90 BOX 634 MAHOPAC, NY 10541	75.17-1-25	ORANG H & JENNIFER M HETTINGER 112 DALIA DRIVE MAHOPAC, NY 10541
75.16-1-2	JOHN BUTTICIA 137 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-1-42	JASON & TRACY POSNAK 137 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.20-2-26	HYMAN REICHBERG REVOC TRUST 27 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-62	DAVID & CARMEN GARCEAU 32 CONVENTRY DR MAHOPAC, NY 10541	75.17-1-24	DORIS L BERNARDI 116 DALIA DRIVE MAHOPAC, NY 10541
75.16-1-3	JOHN BUTTICIA 133 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-1-41	WALTER & CAROLYN TURRONE 133 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-27	MARY & PATRICK LYFF 29 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-63	LINDA CARTUCCI 20 CONVENTRY DR MAHOPAC, NY 10541	75.17-1-23	DONALD A & SALLI A MESSI 122 DALIA DRIVE MAHOPAC, NY 10541
5.16-1-4	KATHERINE HANCOCK LAND TRUST 183 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-10	VANERBY DOL 6 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-28	PATRICK D & ALICIA M DALEY 31 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-64	JENNIFER FISCHER 18 CONVENTRY DR MAHOPAC, NY 10541	75.17-1-22	BRIAN & MARTIN COYNE 126 DALIA DRIVE MAHOPAC, NY 10541
75.16-1-6	ZOLA V MATAHO & MANUEL L GULLIGALLI 173 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-11	DONAL D & BEACON M HARNETT 12 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-29	JACK D & ROBIN M ZENCKECK 12 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-65	MICHAEL R & ELLEN O'BRIEN 16 CONVENTRY DR MAHOPAC, NY 10541	75.17-1-21	PETER & VIORE PELLOUIN 130 DALIA DRIVE MAHOPAC, NY 10541
75.16-1-8	CHARLES MARINA INC 897 SOUTH LAKE ROAD MAHOPAC, NY 10541	75.16-2-12	TOWN OF CARMEL 60 MULPIN AVENUE MAHOPAC, NY 10541	75.20-2-30	DOUGLAS J & MAGALI C HOKEY 37 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-66	JOSEPH & DANNI MARE D'AMORE 14 CONVENTRY DR MAHOPAC, NY 10541	75.17-1-20	MICHAEL & EDWINE LAVELLE 134 DALIA DRIVE MAHOPAC, NY 10541
75.16-1-9	SOTEROS & RENE KAMAKOULUS 135 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-13	DIANE KISSH 22 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-31	ARTHUR & MARIA L CERBONE 39 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-69	ROHARD & BRIEDET CERVONE 154 BUCKS HOLLOW RD MAHOPAC, NY 10541		
75.16-1-10	JAMES MCCABE PO BOX 472 BALDWIN PLACE, NY 10505	75.16-2-14	HUNTER JANON LLC 22 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-32	TERENCE & KRISTEN MCKEE 32 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-70	J&R HOLDINGS CORP 144 BUCKS HOLLOW MAHOPAC, NY 10541		
75.16-1-15	BROS BEADIAK 485 ROUTE 6 MAHOPAC, NY 10541	75.16-2-15	FRANK GIUNTI 32 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-33	JOSEPH & CAROLANN LACOPARRA 43 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-71	HERZON NEW YORK INC PO BOX 2749 ADDISON, NY 15001		
75.16-1-16	HILLTOP MANOR REALTY CORP. 460 ROUTE 6 MAHOPAC, NY 10541	75.16-2-16	WAYNE & SUSAN SPEAR 36 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-34	JENNIFER A. & ANDREW T. DWYER 44 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-72	HERZON NEW YORK INC PO BOX 2749 ADDISON, NY 15001		
75.16-1-17	HILLTOP MANOR REALTY CORP. 460 ROUTE 6 MAHOPAC, NY 10541	75.20-2-17	DONENICK & LOUISE SACCHITELLO 44 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-35	ELVIS & APRIL J LUMIC 42 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-73	BUCKSHOLLOW LLC 122 4 BAURENEN COURT MAHOPAC, NY 10541		
75.16-1-18	ADRIENNE DOUBIS 441 ROUTE 6 MAHOPAC, NY 10541	75.20-2-18	FRANK & LISA GUALDINO 50 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-36	SCOTT M. CROHN 40 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-74	WILLIAM & LOUISE DE CASPERI 122 BUCKS HOLLOW ROAD MAHOPAC, NY 10541		
75.16-1-19	F19 PROPERTIES, LLC 44 BLOOMER ROAD MAHOPAC, NY 10541	75.16-2-19	JOHN & LINDA NANNIA 34 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-37	JAMES CULBERT & VERDIANA PAGETA 38 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-75	JOHN LEMMENS REVOCABLE TRUST 100 BUCKS HOLLOW ROAD MAHOPAC, NY 10541		
75.16-1-20	THOMAS & ENE SIMONE 105 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-20	LINDA RODRIGUEZ & ERICA PERINI 58 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-38	ANTHONY & PATRICIA DEMATEO 36 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-76	JOHN LEMMENS REVOCABLE TRUST 30 CREST ROAD MAHOPAC, NY 10541		
75.16-1-21	THOMAS & ENE SIMONE 105 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-21	THOMAS & ENE SIMONE 105 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.20-2-39	DAN & MELBA TAVELINSKY 62 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-77	JOHN LEMMENS REVOCABLE TRUST 100 BUCKS HOLLOW ROAD MAHOPAC, NY 10541		
75.16-1-22	SCOTT WIGAND 423 ROUTE 6 MAHOPAC, NY 10541	75.16-2-22	VANAMIR KUNICA & BONARIKA KUNCIVA 56 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-40	KENNETH J. JAMET SCHWESLER 28 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-32	DIANE SOHAVONE 84 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-23	SCOTT WIGAND 423 ROUTE 6 MAHOPAC, NY 10541	75.16-2-23	FRANCIS GEORGE IREY TRUST 74 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-41	JEFFREY & ANTONIETTA WEBER 26 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-31	JOSEPH & DEBORAH KRINIC 68 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-24	JACQUE REALTY CORP 423 ROUTE 6 MAHOPAC, NY 10541	75.16-2-24	HERBERT F JR & JUNE M HILERY 78 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-42	MATTHEW & SAMANTHA A. CLARK 24 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-30	PATRICK & CATHERINE TAPPY 74 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-27	MEDRA REAL ESTATE LLC 10 SOUTH WESCO LANE MAHOPAC, NY 10541	75.16-2-25	JOHN & PHILLIP DIMAPOLI 85 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-43	DONNA ROSSMANN 18 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-29	EDWIN & MAREE TRILLAS 80 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-28	BONHUI & ROSALE FLUP 5 BATISTA DRIVE MAHOPAC, NY 10541	75.20-2-2	BENNS FAMILY TRUST #1 SOUTH WESCO LANE MAHOPAC, NY 10541	75.20-2-44	ADAM & LAN PHAM 16 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-28	MICHAEL & GEORGETTE MARION 37 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-29	SANTA & ROBERT FORTINO 7 BATISTA DRIVE MAHOPAC, NY 10541	75.20-2-3	NICOLE STEIN & MICHAEL & BARLE 888 ROUTE 6 MAHOPAC, NY 10541	75.20-2-45	JOSEPH M. & MARLENE S. CAMARRO-VOGEL 14 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-27	RICHARD & KATHLEEN DRUSSO 31 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-30	THOMAS SIMONE 105 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.20-2-5	DAG ROUTE SIX, LLC PO BOX 636 MAHOPAC, NY 10541	75.20-2-46	PETER J. & THERESA M. CARABELLE 17 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-26	MICHAEL & CATHERINE SCARABBA 0 OREGON COURT MAHOPAC, NY 10541		
75.16-1-61	ANTHONY & ROSE FABIANO 154 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.20-2-7	ITALIAN AMERICAN CLUB INC PO BOX 281 MAHOPAC, NY 10541	75.20-2-47	JEFFREY A. & KATHLEEN A. TUTTLE 9 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-24	ZIGONEW PINAS PO BOX 332 BALDWIN PLACE, NY 10505		
75.16-1-60.1	JOHN PARK 7 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-8	ADRIANA CERQUERA PO BOX 281 CROTON FALLS, NY 10519	75.20-2-48	KEVIN & HIL A. N FAROUKH MAHOPAC, NY 10541	75.20-1-23	JESS T DARA BERNWITS 13 OREGON COURT MAHOPAC, NY 10541		
75.16-1-60.2	JOSIE & RUFFINA TEJADA 190 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.20-2-11	TINA MARE BARRAFARDA 85 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-49	JEL BONELLO 15 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-22	13 OREGON COURT MAHOPAC, NY 10541		
75.16-1-59	PAUL & KELLY HARRIS 15 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-12	JAMES & ROBERTA PAGANO 20 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-50	DRATTISTA FAMILY TRUST 17 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-21	CLEAD HILL CORP. 230 GLENROCK AVENUE TOMBOLA, NY 10705		
75.16-1-58	ERNEST & OLIVER LOPEZ 23 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-13	MICHAEL HART & DIANA SMOYER 33 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-51	BARBARA OFRAN 19 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-16	SUEZ WATER NEW YORK PO BOX 7970 PHOENIX, AZ 85000		
75.16-1-57	AYANA NICHOLAS & ORAN MEYER AYUS 27 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-14	ROBERT & LIANA GERTZER 37 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-52	CHARLES M. & PAAMELA E. BLECHER 21 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-13	LINDA N VERDE 44 BLOOMER ROAD MAHOPAC, NY 10541		
75.16-1-56	MARK & LINDA WHITERS 31 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-15	EMELIN GARCIA PO BOX 287 MAHOPAC, NY 10541	75.20-2-53	DANIEL & JEAN MARE SHERRIDAN 23 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-12	STEPHEN A & MARY BETH WAREL 50 BLOOMER ROAD MAHOPAC, NY 10541		
75.16-1-55	JOSHUA & SAMANTHA MOSER 37 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-16	JOHN & DONNA BENVIN 107 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-54	KATHY SONENBERG 27 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-11	MARE A RIZZO 30 BLOOMER ROAD MAHOPAC, NY 10541		
75.16-1-54	JAMES & PATRICIA WOODMAN 41 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-17	RICHARD VELEZ 117 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-55	NY CONF-LMC CT WEST OREGON ATTRA APN CASTANO 2 SCOUNDER AVE WHITE PLAINS, NY 10606	75.20-1-10	GILBERT & LUIS BARSWIL 85 BLOOMER ROAD MAHOPAC, NY 10541		
75.16-1-50	LARENCE & KATHLEEN KEANE 51 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-18	KENNETH & ROSEMARY WALDRON 13 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-56	MARINE BUFFONE 122 DALIA DRIVE MAHOPAC, NY 10541	75.20-1-9	JOSEPH G & JOHN G MANGOTTA 15 CONVENTRY DR MAHOPAC, NY 10541		
75.16-1-49	CARLOER PROSSA 55 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-19	HUGH F & HELEN M BRENNAN 132 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-57	JAMES & SANDRA MARINELLI 32 CONVENTRY DR MAHOPAC, NY 10541	75.20-1-8	ALEJANDRO MERLINO 34 CONVENTRY DR MAHOPAC, NY 10541		
75.16-1-48	TIMOTHY O'BRIAN & KELLY HORAN 61 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-20	FAMILY TRUST OREGON 129 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-58	ANTHONY & ROSANNE M. PERICCHI 15 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-1-7	STEPHEN MILLER 100 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-47	LOUIS & LINDA GAUDIO 95 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-21	DEBORAH ALEA 102 DALIA DRIVE MAHOPAC, NY 10541	75.20-2-59	GREGORY A. WILLIAMS & MILRED 28 CONVENTRY DR MAHOPAC, NY 10541	75.20-2-9	ANTHONY CHACH & ERN COHEN 100 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-46	JOSEPH & ROSEANN BRUSSO MAHOPAC, NY 10541	75.20-2-22	RICHARD & DEBRA RUSSO 33 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-60	ROBERT ESTATE MAHOPAC, NY 10541	75.17-1-28	PARVATI PO BOX 296 MAHOPAC, NY 10541		
75.16-1-45	MICHAEL & MARILIANE VICALE 75 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-23	RON & DARLENE LOVE GAFNI 17 NOTTINGHAM WAY MAHOPAC, NY 10541	75.20-2-61	KATHLEEN BARRETT 26 CONVENTRY DR MAHOPAC, NY 10541	75.17-1-26	MARLEA T & LEE M DOBBENS 108 DALIA DRIVE MAHOPAC, NY 10541		
75.16-1-44	VINCENT & ANNAMARE VAGGIO 81 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-24	KEVIN & CATHLEEN BROWNE 19 NOTTINGHAM WAY MAHOPAC, NY 10541						



LEGEND

- Dashed line --- EXISTING FOOTPRINT
- - - - Dotted line --- EXISTING GAS LINE
- - - - Long dashed line --- EXISTING WATER LINE
- - - - Short dashed line --- EXISTING NATURAL GAS LINE
- Solid line --- EXISTING SIDEWALK
- Solid line --- EXISTING DRIVE
- Solid line --- EXISTING CATCH BASIN
- Solid line --- EXISTING STORM DRAIN LINE
- Solid line --- EXISTING SEWER MANHOLE
- - - - Dotted line --- EXISTING SEWER LINE
- - - - Long dashed line --- EXISTING STORM DRAIN
- Solid line --- EXISTING STONE WALK
- - - - Dotted line --- EXISTING SHIM
- - - - Long dashed line --- EXISTING HOIST ELEVATION
- Solid line --- EXISTING STONE WALL
- - - - Dotted line --- EXISTING CHAIN LINK FENCE
- Solid line --- EXISTING OVERHEAD WIRE
- - - - Long dashed line --- EXISTING TELECOMMUNICATION LINE
- - - - Short dashed line --- EXISTING ELECTRIC LINE
- Solid line --- EXISTING SIGN
- - - - Dotted line --- EXISTING LIGHT POLE
- - - - Long dashed line --- EXISTING UTILITY POLE
- - - - Short dashed line --- EXISTING WATER VALVE
- - - - Long dashed line --- EXISTING GAS VALVE

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SENIORS-PLANNERS
232 North Main Street
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Tel: (845) 634-6894
Fax: (845) 634-6543
E-mail: info@atnzny.com
Web: www.atnzny.com

PROJECT:
MAHOPAC WELLS 1, 2 & 3

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
OWNERS WITHIN 500 FT. LIST

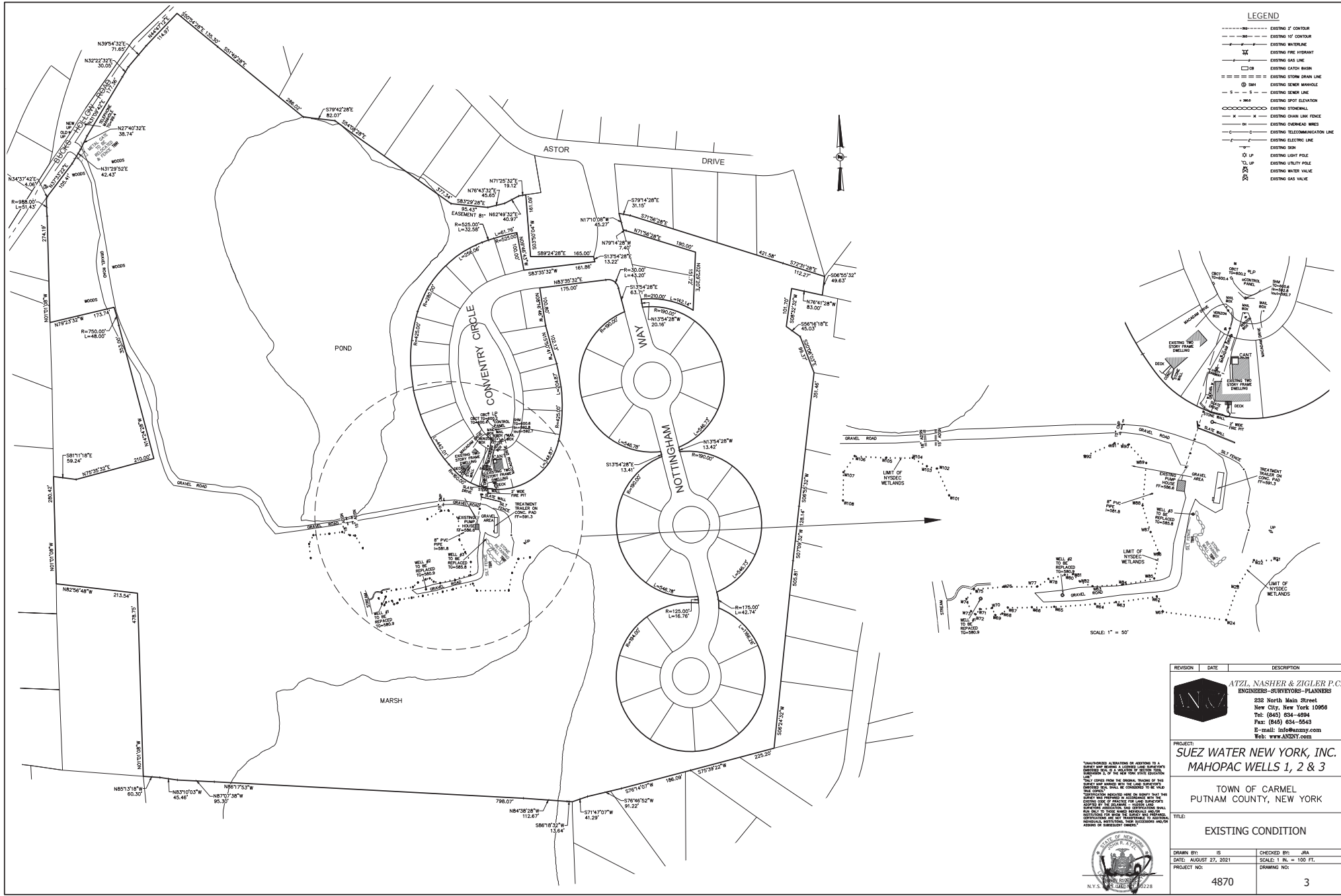
REVISION **DATE** **DESCRIPTION**

DRAWN BY: JF CHECKED BY: JSA
DATE: AUGUST 21, 2021 SCALE: 1" = 100' FT.
PROJECT NO: DRAWING NO:

4870 2

*UNPAID REVISIONS OR ALTERATIONS TO ANYTHING ON THIS DRAWING ARE PROHIBITED UNLESS SPECIFICALLY NOTED OTHERWISE BY THE ENGINEER, P.E. OF THE SEALING JURISDICTION.

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES ANY PERSON ALTERING AN ENGINEER'S DESIGN OR SPECIFICATIONS IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF THE REGISTERED ENGINEER SHALL BE SUBJECT TO THE PROVISIONS OF SECTION 233-A OF THE EDUCATION LAW AND SECTION 233-A(2) OF THE REGULATIONS (9 NYCRR 233-A). SUCH PERSON SHALL BE DEEMED TO BE ENGAGED IN THE PRACTICE OF ENGINEERING WITHOUT A LICENSE AND WILL BE SUBJECT TO THE PENALTIES PROVIDED IN SECTION 233-A(4) OF THE EDUCATION LAW AND SECTION 233-A(3) OF THE REGULATIONS (9 NYCRR 233-A).



REVISION	DATE	DESCRIPTION

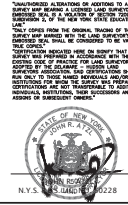
ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-4694
 Fax: (845) 634-5563
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PROJECT:
SUEZ WATER NEW YORK, INC.
MAHOPAC WELLS 1, 2 & 3

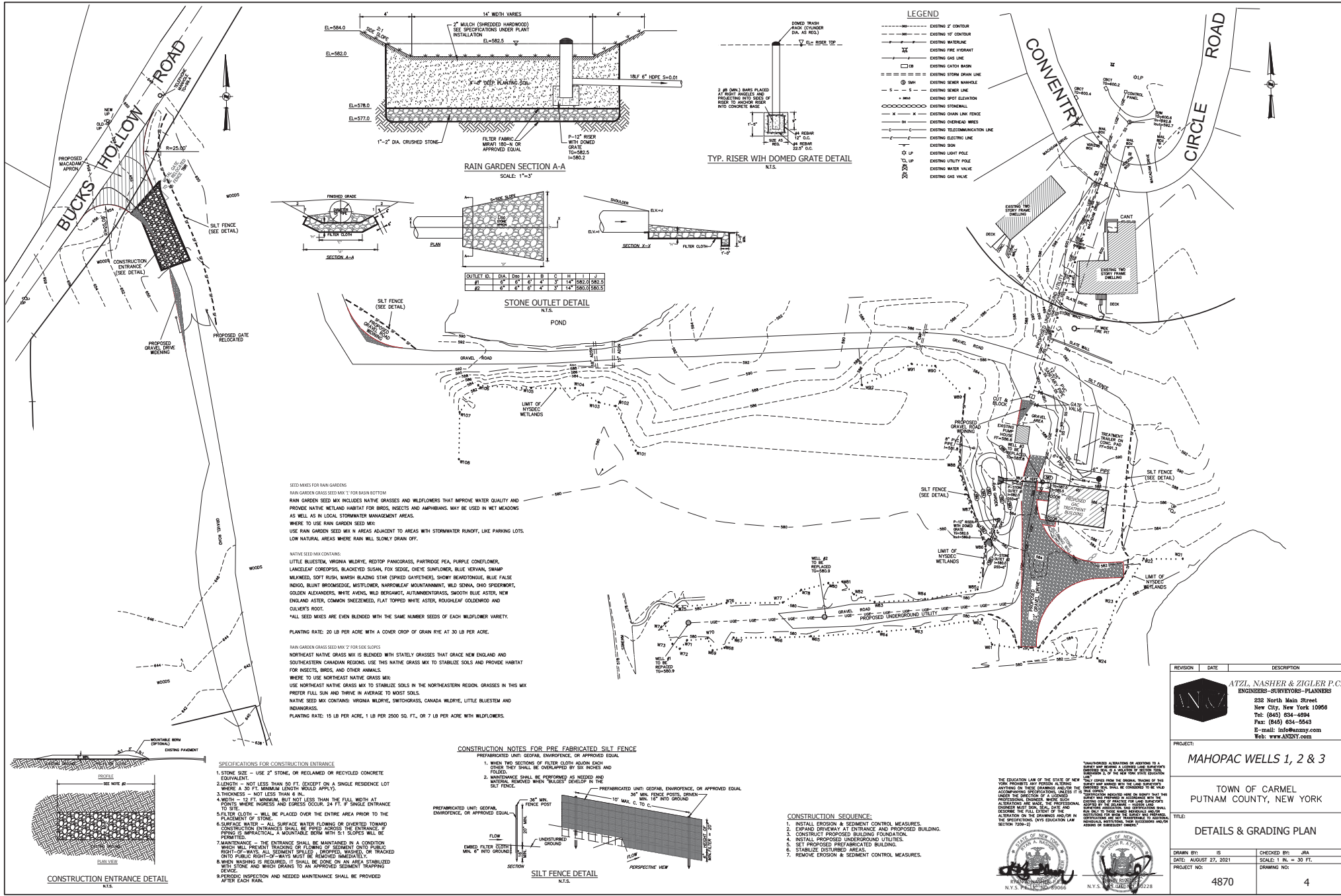
TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
EXISTING CONDITION

DATE: AUGUST 27, 2021
 DRAWN BY: IS
 CHECKED BY: JBA
 PROJECT NO: 4870
 SCALE: 1" = 100 FT.
 DRAWING NO: 3



"UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A PROFESSIONAL ENGINEER'S SEAL OR SIGNATURE ARE PROHIBITED BY LAW. ANY SUCH ALTERATIONS OR ADDITIONS SHALL BE CONSIDERED A VIOLATION OF THE PROFESSIONAL ENGINEERING LAW OF THE STATE OF NEW YORK AND SHALL BE SUBJECT TO THE PENALTIES THEREOF."



SEED MIXES FOR RAIN GARDENS

RAIN GARDEN GRASS SEED MIX 1: TOP BASIN BOTTOM
RAIN GARDEN SEED MIX INCLUDES NATIVE GRASSES AND WILDFLOWERS THAT IMPROVE WATER QUALITY AND PROVIDE NATIVE WETLAND HABITAT FOR BIRDS, INSECTS AND AMPHIBIANS. MAY BE USED IN WET MEADOWS AS WELL AS IN LOCAL STORMWATER MANAGEMENT AREAS.

WHERE TO USE RAIN GARDEN SEED MIX:
USE RAIN GARDEN SEED MIX IN AREAS ADJACENT TO AREAS WITH STORMWATER RUNOFF, LIKE PARKING LOTS, LOW NATURAL AREAS WHERE RAIN WILL SLOWLY DRAIN OFF.

NATIVE SEED MIX CONTAINS:
LITTLE BLUESTEM, VIRGINIA WILDRYE, REDTOP PANICGRASS, PARTRIDGE PEA, PURPLE CONEFLOWER, LANOLEAF COREOPSIS, BLACKEYED SUSAN, FOX SEDGE, OXEYE SUNFLOWER, BLUE VERVAIN, SWAMP MILKWEED, SOFT RUSH, MARSH BLADING STAR (SPINED MAYTENNIS), SHOWY BERMUDAGRASS, BLUE FALSE INDIGO, BLUNT BROMELIAD, MISTCHIEF, NARROWLEAF MOUNTAINMINT, WILD SOWAN, OAK SPICEWOOD, GOLDEN ALEXANDERS, WHITE AVENS, WILD BERGAMOT, AUTUMNBURNINGGRASS, SMOOTH BLUE ASTER, NEW ENGLAND ASTER, COMMON SHEEPWEED, FLAT TOPPED WHITE ASTER, ROUGHLEAF GOLDENROD AND CULVER'S ROOT.

*ALL SEED MIXES ARE EVEN BLENDED WITH THE SAME NUMBER SEEDS OF EACH WILDFLOWER VARIETY.

PLANTING RATE: 20 LB PER ACRE WITH A COVER CROP OF GRAM RYE AT 30 LB PER ACRE.

RAIN GARDEN GRASS SEED MIX 2: FOR SIDE SLOPES
NORTHEAST NATIVE GRASS MIX IS BLENDED WITH STABLEY GRASSES THAT GRAZE NEW ENGLAND AND SOUTHEASTERN CANADIAN REGIONS. USE THIS NATIVE GRASS MIX TO STABILIZE SOILS AND PROVIDE HABITAT FOR INSECTS, BIRDS, AND OTHER ANIMALS.

WHERE TO USE NORTHEAST NATIVE GRASS MIX:
USE NORTHEAST NATIVE GRASS MIX TO STABILIZE SOILS IN THE NORTHEASTERN REGION. GRASSES IN THIS MIX PREFER FULL SUN AND THRIVE IN AVERAGE TO MOIST SOILS.

NATIVE SEED MIX CONTAINS: VIRGINIA WILDRYE, SWITCHGRASS, CANADA WILDRYE, LITTLE BLUESTEM AND INDIANGRASS.

PLANTING RATE: 15 LB PER ACRE, 1 LB PER 2000 SQ. FT., OR 7 LB PER ACRE WITH WILDFLOWERS.

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN 8" A. L.
- WIDTH - 12" MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR. 24" FT. SINGLE ENTRANCE POINTS.
- FILTER CLOTH - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FILTERED ACROSS THE ENTRANCE IF PIPING IS IMPRACTICAL. A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT DIRT OR PUBLIC ROAD TO -WAYS. ALL SEDIMENT ACCUMULATED ON PUBLIC ROAD OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- WHEN BRUSHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

CONSTRUCTION SEQUENCE:

- INSTALL EROSION & SEDIMENT CONTROL MEASURES.
- EXPAND DRIVEWAY AT ENTRANCE AND PROPOSED BUILDING.
- CONSTRUCT PROPOSED BUILDING FOUNDATION.
- INSTALL PROPOSED UNDERGROUND UTILITIES.
- SET PROPOSED PRE-FABRICATED BUILDING.
- STABILIZE DISTURBED AREAS.
- REMOVE EROSION & SEDIMENT CONTROL MEASURES.

REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SENIORS-PLANNERS
232 North Main Street
New City, New York 10956
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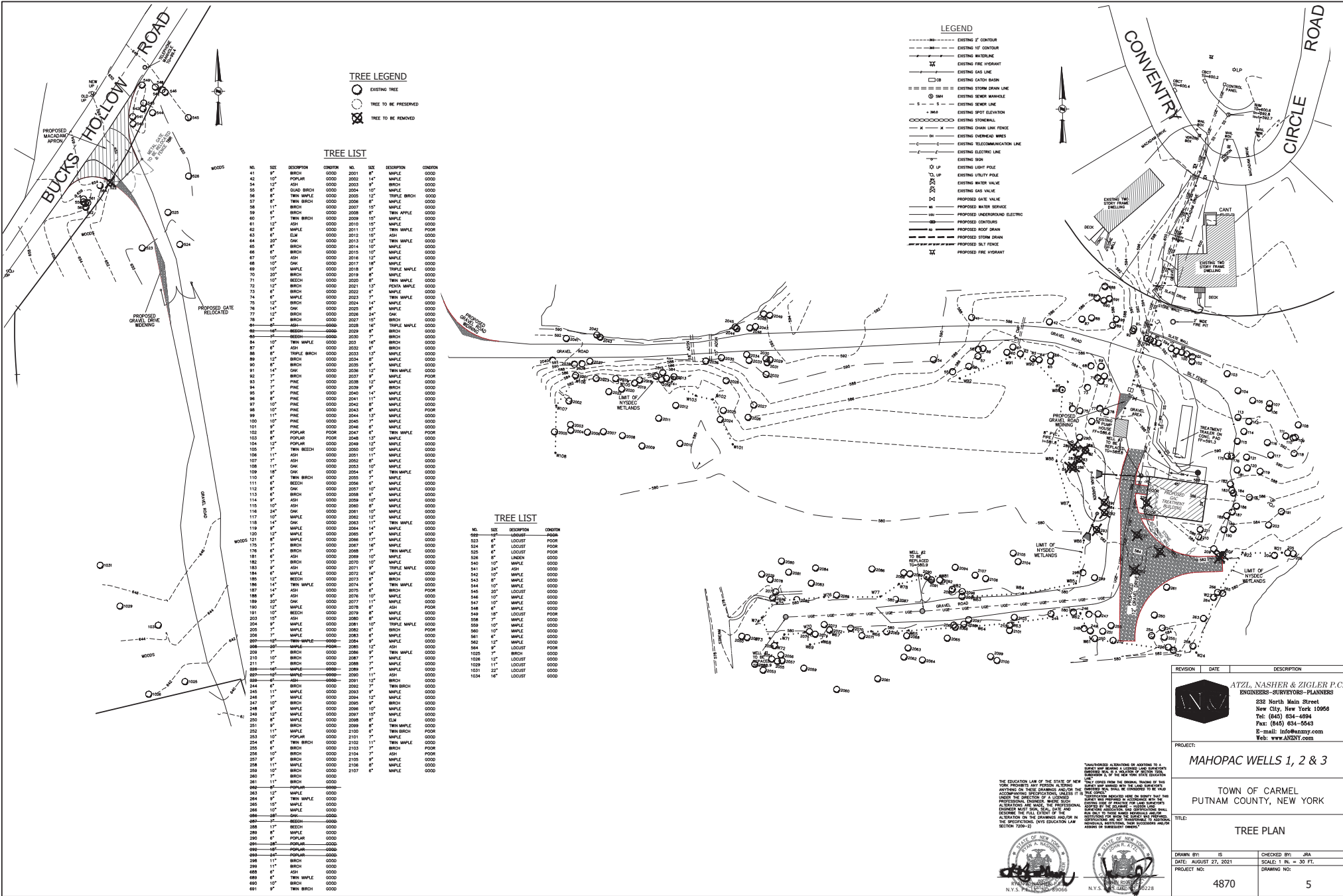
PROJECT: **MAHOPAC WELLS 1, 2 & 3**

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE: **DETAILS & GRADING PLAN**

DATE: AUGUST 27, 2021
DRAWING NO.: 4870
SCALE: 1" = 30 FT.

DRAWN BY: JS
CHECKED BY: JRA
DESIGNED BY: JRA
DATE: AUGUST 27, 2021

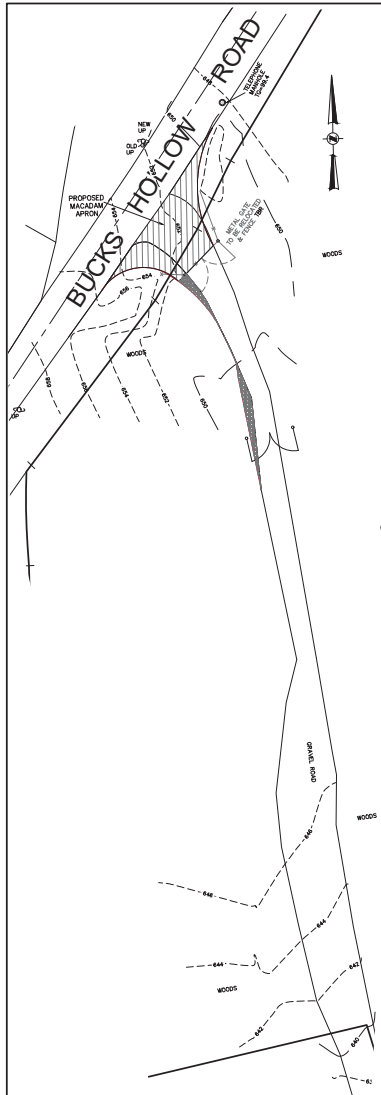


TREE LEGEND

- EXISTING TREE
- TREE TO BE PRESERVED
- ✕ TREE TO BE REMOVED

TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
41	8"	BIRCH	GOOD	200	8"	MAPLE	GOOD
42	10"	POPLAR	GOOD	201	14"	MAPLE	GOOD
43	12"	ASH	GOOD	202	14"	BIRCH	GOOD
44	8"	QUAD BRCH	GOOD	203	10"	MAPLE	GOOD
45	8"	TWIN MAPLE	GOOD	204	12"	TRIPLE BIRCH	GOOD
46	8"	TWIN BRCH	GOOD	205	8"	TWIN MAPLE	GOOD
47	8"	BIRCH	GOOD	206	15"	MAPLE	GOOD
48	11"	BIRCH	GOOD	207	15"	MAPLE	GOOD
49	8"	BIRCH	GOOD	208	8"	TWIN MAPLE	GOOD
50	7"	TWIN BRCH	GOOD	209	15"	MAPLE	GOOD
51	12"	BIRCH	GOOD	210	15"	MAPLE	GOOD
52	8"	MAPLE	GOOD	211	13"	TWIN MAPLE	POOR
53	8"	ELM	GOOD	212	15"	ASH	GOOD
54	20"	OAK	GOOD	213	12"	TWIN MAPLE	GOOD
55	8"	BIRCH	GOOD	214	10"	MAPLE	GOOD
56	8"	BIRCH	GOOD	215	10"	MAPLE	GOOD
57	10"	ASH	GOOD	216	12"	MAPLE	GOOD
58	10"	OAK	GOOD	217	18"	MAPLE	GOOD
59	10"	BIRCH	GOOD	218	8"	TRIPLE MAPLE	GOOD
60	20"	BIRCH	GOOD	219	8"	MAPLE	GOOD
61	10"	BIRCH	GOOD	220	8"	TWIN MAPLE	GOOD
62	12"	BIRCH	GOOD	221	13"	PENY MAPLE	GOOD
63	8"	BIRCH	GOOD	222	8"	MAPLE	GOOD
64	8"	MAPLE	GOOD	223	7"	TWIN MAPLE	GOOD
65	12"	BIRCH	GOOD	224	14"	MAPLE	GOOD
66	14"	OAK	GOOD	225	8"	MAPLE	GOOD
67	12"	BIRCH	GOOD	226	24"	OAK	GOOD
68	8"	BIRCH	GOOD	227	15"	BIRCH	GOOD
69	8"	ASH	GOOD	228	18"	TRIPLE MAPLE	GOOD
70	16"	BIRCH	GOOD	229	14"	BIRCH	GOOD
71	20"	BIRCH	GOOD	230	7"	BIRCH	GOOD
72	12"	BIRCH	GOOD	231	14"	BIRCH	GOOD
73	8"	BIRCH	GOOD	232	8"	MAPLE	GOOD
74	8"	MAPLE	GOOD	233	12"	BIRCH	GOOD
75	12"	BIRCH	GOOD	234	8"	MAPLE	GOOD
76	14"	OAK	GOOD	235	12"	MAPLE	GOOD
77	12"	BIRCH	GOOD	236	24"	OAK	GOOD
78	8"	BIRCH	GOOD	237	15"	BIRCH	GOOD
79	8"	ASH	GOOD	238	18"	TRIPLE MAPLE	GOOD
80	16"	BIRCH	GOOD	239	14"	BIRCH	GOOD
81	10"	TWIN MAPLE	GOOD	240	7"	BIRCH	GOOD
82	8"	ASH	GOOD	241	8"	MAPLE	GOOD
83	12"	BIRCH	GOOD	242	12"	BIRCH	GOOD
84	14"	BIRCH	GOOD	243	8"	MAPLE	GOOD
85	10"	BIRCH	GOOD	244	10"	MAPLE	GOOD
86	11"	OAK	GOOD	245	12"	TWIN MAPLE	GOOD
87	10"	BIRCH	GOOD	246	12"	MAPLE	POOR
88	10"	BIRCH	GOOD	247	12"	MAPLE	GOOD
89	12"	OAK	GOOD	248	12"	MAPLE	GOOD
90	10"	FINE	GOOD	249	12"	MAPLE	GOOD
91	8"	FINE	GOOD	250	8"	MAPLE	GOOD
92	8"	FINE	GOOD	251	11"	MAPLE	GOOD
93	8"	FINE	GOOD	252	11"	MAPLE	GOOD
94	8"	FINE	GOOD	253	8"	MAPLE	POOR
95	8"	FINE	GOOD	254	10"	MAPLE	GOOD
96	8"	FINE	GOOD	255	10"	MAPLE	GOOD
97	8"	FINE	GOOD	256	10"	MAPLE	GOOD
98	10"	FINE	GOOD	257	8"	MAPLE	POOR
99	11"	FINE	GOOD	258	11"	MAPLE	GOOD
100	10"	FINE	GOOD	259	12"	MAPLE	GOOD
101	10"	FINE	GOOD	260	10"	MAPLE	GOOD
102	8"	POPLAR	POOR	261	8"	TWIN MAPLE	GOOD
103	8"	POPLAR	POOR	262	8"	TWIN MAPLE	GOOD
104	12"	POPLAR	GOOD	263	12"	MAPLE	GOOD
105	10"	TWIN BRCH	GOOD	264	10"	MAPLE	GOOD
106	11"	ASH	GOOD	265	11"	MAPLE	GOOD
107	10"	ASH	GOOD	266	10"	MAPLE	GOOD
108	11"	OAK	GOOD	267	10"	MAPLE	GOOD
109	10"	OAK	GOOD	268	8"	TWIN MAPLE	GOOD
110	8"	TWIN BRCH	GOOD	269	7"	MAPLE	GOOD
111	8"	BIRCH	GOOD	270	10"	MAPLE	GOOD
112	8"	OAK	GOOD	271	10"	MAPLE	GOOD
113	8"	BIRCH	GOOD	272	8"	MAPLE	GOOD
114	8"	BIRCH	GOOD	273	10"	MAPLE	GOOD
115	10"	ASH	GOOD	274	8"	MAPLE	GOOD
116	10"	OAK	GOOD	275	10"	MAPLE	GOOD
117	10"	MAPLE	GOOD	276	12"	MAPLE	GOOD
118	14"	OAK	GOOD	277	11"	TWIN MAPLE	GOOD
119	9"	MAPLE	GOOD	278	14"	MAPLE	GOOD
120	8"	MAPLE	GOOD	279	8"	MAPLE	GOOD
121	8"	MAPLE	GOOD	280	16"	MAPLE	GOOD
122	8"	MAPLE	GOOD	281	14"	MAPLE	GOOD
123	8"	MAPLE	GOOD	282	10"	MAPLE	GOOD
124	8"	BIRCH	GOOD	283	7"	TWIN MAPLE	GOOD
125	8"	ASH	GOOD	284	8"	MAPLE	GOOD
126	8"	BIRCH	GOOD	285	10"	MAPLE	GOOD
127	8"	BIRCH	GOOD	286	10"	MAPLE	GOOD
128	8"	MAPLE	GOOD	287	9"	TRIPLE MAPLE	GOOD
129	8"	MAPLE	GOOD	288	8"	TWIN MAPLE	GOOD
130	8"	MAPLE	GOOD	289	8"	TWIN MAPLE	GOOD
131	8"	MAPLE	GOOD	290	12"	MAPLE	GOOD
132	8"	MAPLE	GOOD	291	12"	MAPLE	GOOD
133	8"	MAPLE	GOOD	292	12"	MAPLE	GOOD
134	8"	MAPLE	GOOD	293	8"	MAPLE	GOOD
135	8"	MAPLE	GOOD	294	8"	MAPLE	GOOD
136	8"	MAPLE	GOOD	295	12"	MAPLE	GOOD
137	8"	MAPLE	GOOD	296	12"	MAPLE	GOOD
138	8"	MAPLE	GOOD	297	12"	MAPLE	GOOD
139	8"	MAPLE	GOOD	298	12"	MAPLE	GOOD
140	8"	MAPLE	GOOD	299	12"	MAPLE	GOOD
141	8"	MAPLE	GOOD	300	12"	MAPLE	GOOD
142	8"	MAPLE	GOOD	301	12"	MAPLE	GOOD
143	8"	MAPLE	GOOD	302	12"	MAPLE	GOOD
144	8"	MAPLE	GOOD	303	12"	MAPLE	GOOD
145	8"	MAPLE	GOOD	304	12"	MAPLE	GOOD
146	8"	MAPLE	GOOD	305	12"	MAPLE	GOOD
147	8"	MAPLE	GOOD	306	12"	MAPLE	GOOD
148	8"	MAPLE	GOOD	307	12"	MAPLE	GOOD
149	8"	MAPLE	GOOD	308	12"	MAPLE	GOOD
150	8"	MAPLE	GOOD	309	12"	MAPLE	GOOD
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154	8"	MAPLE	GOOD	313	12"	MAPLE	GOOD
155	8"	MAPLE	GOOD	314	12"	MAPLE	GOOD
156	8"	MAPLE	GOOD	315	12"	MAPLE	GOOD
157	8"	MAPLE	GOOD	316	12"	MAPLE	GOOD
158	8"	MAPLE	GOOD	317	12"	MAPLE	GOOD
159	8"	MAPLE	GOOD	318	12"	MAPLE	GOOD
160	8"	MAPLE	GOOD	319	12"	MAPLE	GOOD
161	8"	MAPLE	GOOD	320	12"	MAPLE	GOOD
162	8"	MAPLE	GOOD	321	12"	MAPLE	GOOD
163	8"	MAPLE	GOOD	322	12"	MAPLE	GOOD
164	8"	MAPLE	GOOD	323	12"	MAPLE	GOOD
165	8"	MAPLE	GOOD	324	12"	MAPLE	GOOD
166	8"	MAPLE	GOOD	325	12"	MAPLE	GOOD
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169	8"	MAPLE	GOOD	328	12"	MAPLE	GOOD
170	8"	MAPLE	GOOD	329	12"	MAPLE	GOOD
171	8"	MAPLE	GOOD	330	12"	MAPLE	GOOD
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173	8"	MAPLE	GOOD	332	12"	MAPLE	GOOD
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175	8"	MAPLE	GOOD	334	12"	MAPLE	GOOD
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179	8"	MAPLE	GOOD	338	12"	MAPLE	GOOD
180	8"	MAPLE	GOOD	339	12"	MAPLE	GOOD
181	8"	MAPLE	GOOD	340	12"	MAPLE	GOOD
182	8"	MAPLE	GOOD	341	12"	MAPLE	GOOD
183	8"	MAPLE	GOOD	342	12"	MAPLE	GOOD
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186	8"	MAPLE	GOOD	345	12"	MAPLE	GOOD
187	8"	MAPLE	GOOD	346	12"	MAPLE	GOOD
188	8"	MAPLE	GOOD	347	12"	MAPLE	GOOD
189	8"	MAPLE	GOOD	348	12"	MAPLE	GOOD
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193	8"	MAPLE	GOOD	352	12"	MAPLE	GOOD
194	8"	MAPLE	GOOD	353	12"	MAPLE	GOOD
195	8"	MAPLE	GOOD	354	12"	MAPLE	GOOD
196	8"	MAPLE	GOOD	355	12"	MAPLE	GOOD
197	8"	MAPLE	GOOD	356	12"	MAPLE	GOOD
198	8"	MAPLE	GOOD	357	12"	MAPLE	GOOD
199	8"	MAPLE	GOOD	358	12"	MAPLE	GOOD
200	8"	MAPLE	GOOD	359	12"	MAPLE	GOOD
201	8"	MAPLE	GOOD	360	12"	MAPLE	GOOD
202	8"	MAPLE	GOOD	361	12"	MAPLE	GOOD
203	8"	MAPLE	GOOD	362	12"	MAPLE	GOOD
204	8"	MAPLE	GOOD	363	12"	MAPLE	GOOD
205	8"	MAPLE	GOOD	364	12"	MAPLE	GOOD
206	8"	MAPLE	GOOD	365	12"	MAPLE	GOOD
207	8"	MAPLE	GOOD	366	12"	MAPLE	GOOD
208	8"	MAPLE	GOOD	367	12"	MAPLE	GOOD
209	8"	MAPLE	GOOD	368	12"	MAPLE	GOOD
210	8"	MAPLE	GOOD	369	12"	MAPLE	GOOD
211	8"	MAPLE	GOOD	370	12"	MAPLE	GOOD
212	8"	MAPLE	GOOD	371	12"	MAPLE	GOOD
213	8"	MAPLE	GOOD	372	12"	MAPLE	GOOD
214	8"	MAPLE	GOOD	373	12"	MAPLE	GOOD
215	8"	MAPLE	GOOD	374	12"	MAPLE	GOOD
216	8"	MAPLE	GOOD	375	12"	MAPLE	GOOD
217	8"	MAPLE	GOOD	376	12"	MAPLE	GOOD
218	8"	MAPLE	GOOD	377	12"	MAPLE	GOOD
219	8"	MAPLE	GOOD	378	12"	MAPLE	GOOD
220	8"	MAPLE	GOOD	379	12"	MAPLE	GOOD
221	8"	MAPLE	GOOD	380	12"	MAPLE	GOOD
222	8"	MAPLE	GOOD	381	12"	MAPLE	GOOD
223	8"	MAPLE	GOOD	382	12"	MAPLE	GOOD
224	8"	MAPLE	GOOD	383	12"	MAPLE	GOOD
225	8"	MAPLE	GOOD	384	12"	MAPLE	GOOD
226	8"	MAPLE	GOOD	385	12"	MAPLE	GOOD
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233	8"	MAPLE	GOOD	392	12"	MAPLE	GOOD
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235	8"	MAPLE	GOOD	394	12"	MAPLE	GOOD
236	8"	MAPLE	GOOD	395	12"	MAPLE	GOOD
237	8"	MAPLE	GOOD	396	12"	MAPLE	GOOD
238	8"	MAPLE	GOOD	397	12"	MAPLE	GOOD
239	8"	MAPLE	GOOD	398	12"	MAPLE	GOOD
240	8"	MAPLE	GOOD	399	12"	MAPLE	GOOD
241	8"	MAPLE	GOOD	400	12"	MAPLE	GOOD



RAB CONTACT INFORMATION:
 DANIEL SALES (732) 965-8806
 RAB LIGHTING (201) 931-6062

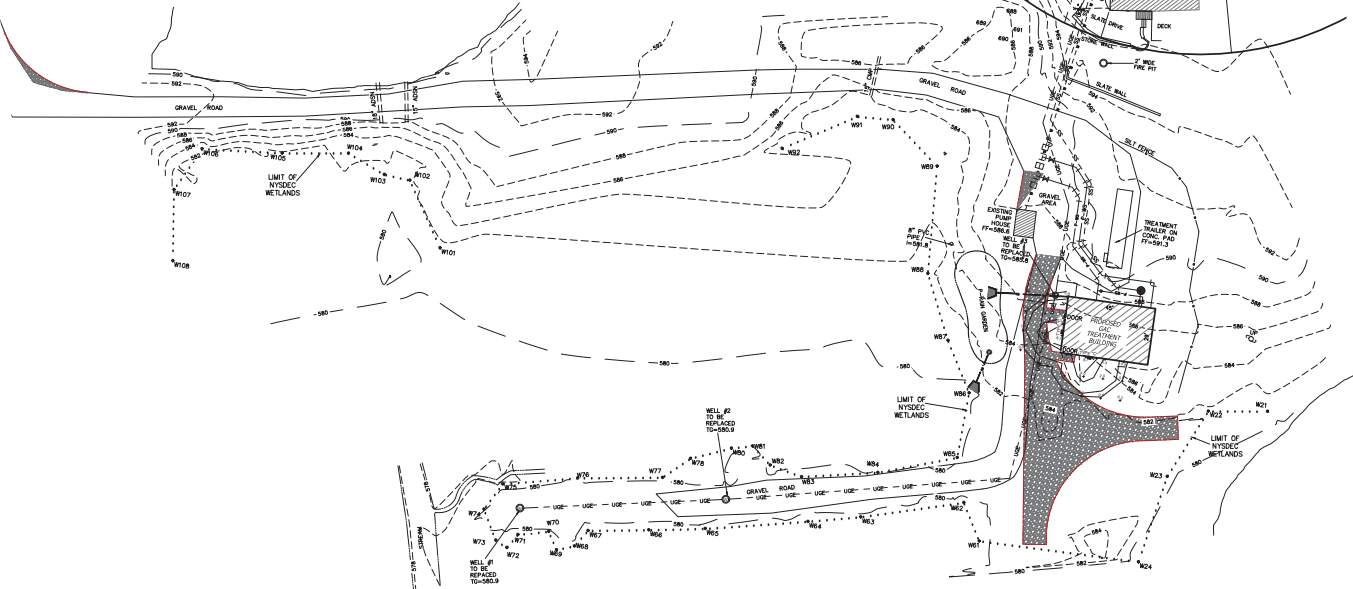


12, 18 AND 28 WATT SLIM WALL PACKS ARE ULTRA EFFICIENT AND
 DELIVER IMPROVED LIGHT DISTRIBUTION WITH A COMPACT, SIM-PANEL
 DESIGN THAT'S SUPER EASY TO INSTALL AS A DOWNLIGHT OR UPLIGHT.

COLOR: BRONZE WEIGHT: 4.5 LBS

SLIM12ZY WALL MOUNT DETAIL
 N.T.S.

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BLUG Rating
C	2	SLIM12ZY	SINGLE	N/A	1.000	Wall Mount	B1-ULDC0



- LEGEND**
- EXISTING 1" CONTOUR
 - EXISTING 2" CONTOUR
 - EXISTING WATERLINE
 - EXISTING FIRE HYDRANT
 - EXISTING GAS LINE
 - EXISTING CATCH BASIN
 - EXISTING STORM DRAIN LINE
 - EXISTING SEWER LINE
 - EXISTING SPOT ELEVATION
 - EXISTING STONEWALL
 - EXISTING CHAIN LINK FENCE
 - EXISTING OVERHEAD WIRE
 - EXISTING TELECOMMUNICATION LINE
 - EXISTING ELECTRIC LINE
 - EXISTING SON
 - EXISTING LIGHT POLE
 - EXISTING UTILITY POLE
 - EXISTING WATER VALVE
 - EXISTING GAS VALVE
 - PROPOSED GAS VALVE
 - PROPOSED WATER SERVICE
 - PROPOSED UNDERGROUND ELECTRIC
 - PROPOSED CONTOUR
 - PROPOSED ROOF DRAIN
 - PROPOSED STORM DRAIN
 - PROPOSED SILT FENCE
 - PROPOSED FIRE HYDRANT

REVISION DATE DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SEVEREYOS-PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-4694
 Fax: (845) 634-6543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

PROJECT: **MAHOPAC WELLS 1, 2 & 3**

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **LIGHTING PLAN**

DRAWN BY: IS CHECKED BY: JSA
 DATE: AUGUST 27, 2021 SCALE: 1" = 30' FT.
 PROJECT NO: 4870 DRAWING NO: 6



THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES THAT ANY PERSON ALLEGING ACCURACY IN THE PREPARATION OF ANY PROFESSIONAL ENGINEERING PLAN UNDER THE PROVISIONS OF SECTION 2000-A(1) OF THE EDUCATION LAW SHALL BE DEEMED TO HAVE ACCEPTED THE OATH OF OFFICE AND TO HAVE ASSUMED THE DUTY OF THE PROFESSIONAL ENGINEER UNDER SECTION 2000-A(1) OF THE EDUCATION LAW.

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July 22 , 2021

**SUEZ WATER NEW YORK INC
PFAS COMPLIANCE FOR ARCHER WELL SITE**

Narrative Summary

SUEZ Water New York Inc. (SWNY) owns and operates the existing Archer well site located in a residential area behind 9 Colton Road (access gained through 31 Archer Road) in Mahopac, Putnam County, New York and serve approximately 32 customers. SWNY plans to construct upgrades to the existing Archer well site using the Engineering, Procurement, and Construction (EPC) project delivery method. This method will be utilized to comply with the state drinking water regulations for per - and polyfluoroalkyl substances (PFAS).

The existing facility pump capacity is 75 gallons per minute (gpm). The chemical feed uses Sodium hypochlorite (disinfectant), caustic soda and phosphates. The onsite controls include the ability to operate the site remotely through the supervisory control and data acquisition SCADA program.

The proposed treatment system will include upsizing the pumps to compensate for headloss during the GAC treatment. It will not increase firm capacity of the well. Raw water will pass through a prefilter unit followed by the granular activated carbon (GAC) treatment system in lead-lag configuration. The water will be dosed with sodium hypochlorite, caustic soda and phosphates from the existing 50 gallon double walled chemical storage tanks. Due to moderate levels of nitrate in the raw water, a connection for an ion exchange system will be provided as part of this project in case it has to be added in the future.

The planned upgrade will not increase the firm capacity of the well, but will add treatment for PFAS to comply with the New York State Drinking Water maximum contaminant level (MCL) of 10 ppt for PFOA and PFOS. The well will remain operational during the course of construction with limited disruption during tying in and testing of the new treatment system.

Architectural treatment/elements will be consistent with the existing visible on-site structures and area residential structures to conform and provide a consistent appearance acceptable to the Owner and be approved by applicable Municipal Agencies and review boards.

All work will be in full conformance with the New York State Department of Environmental Conservation (NYSDEC), New York State and Putnam County Departments of Health, the Town of Carmel, and other authorities having jurisdiction.

We are respectfully requesting a waiver of the landscaping requirement. The location for

the proposed improvements from the existing homes is approximately 290 feet away. Also, the density of the existing foliage is quite extensive, and should serve as an adequate buffer to the homes.

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**

Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Re: **Site Plan Application**
SUEZ Water New York, Inc. – Archer Wells 1 & 2
Proposed Building Materials Narrative

All,

Building Structures were originally proposed to be made of prefabricated metal building, with steel framing, insulated metal wall panels with an exterior color, standing seam roof system, with a cast in place concrete foundation designed to accommodate the load of the building structure, equipment, vessels, and all other loads impacting the foundation.

Due to extensive lead time delays for fabrication of the originally proposed means of designing, fabricating, and erecting the building, we are currently exploring other material options for the building to better meet schedule requirements.

At this time, the building materials are yet to be determined, but we are currently in the process of finalizing our alternative options.

Sincerely,
J. Fletcher Creamer & Son, Inc.

Copy to:

101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901

JFCSON.COM



TOWN OF CARMEL
**SITE PLAN APPLICATION
 INSTRUCTIONS**



Archer Wells

The Town of Carmel Planning Board meetings are held twice a month, on the second and fourth Wednesday's, at 7:00 PM at Carmel Town Hall, 60 McAlpin Avenue, Carmel

The submission deadline is 10 days prior to the Planning Board meeting. New site plan applications that have been deemed complete will be placed on the agenda in the order they are received.

No application will be placed on the agenda that is incomplete

Pre-Submission:

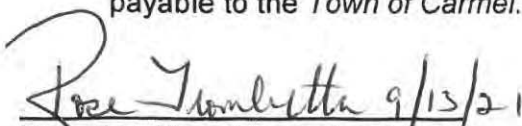
Prior to the formal submission of the site plan, a pre-submission conference may be requested by the applicant to be conducted with representatives from the Town, which may include the Town Planner, Town Engineer, Director of Code Enforcement and/or the Planning Board Attorney. This conference will serve to educate the applicant on the process he/she must follow, clarify the information required to submit a complete site plan application, and to highlight any specific areas of concern. You may arrange a pre-submission conference through the Planning Board Secretary at (845) 628-1500 extension 190.

Submission Requirements:

At least 10 days prior to the Planning Board meeting, the site plan application shall be submitted to the Planning Board Secretary as follows:

All site plans shall be signed, sealed and folded with the title box legible. The application package shall include:

- 11 copies of the Site Plan Application Form, signed and notarized.
- 11 copies of the SEQR Environmental Assessment Form (use of short form or long form shall be determined at pre-submission conference).
- 5 full size sets of the Site Plan (including floor plans and elevations)
- 1 CD (in pdf. format) containing an electronic version of the Site Plan
- 2 copies of the Disclosure Statement
- 11 copies of the Site Plan Completeness Certification Form
- All supplemental studies, reports, plans and renderings.
- 2 copies of the current deed.
- 2 copies of all easements, covenants and restrictions. *Please see deed for easement info
- The appropriate fee, determined from the attached fee schedule. Make checks payable to the *Town of Carmel*.


 Planning Board Secretary; Date


 Town Engineer; Date



TOWN OF CARMEL SITE PLAN APPLICATION



Per Town of Carmel Code – Section 156 - Zoning

SITE IDENTIFICATION INFORMATION		
Application Name: SUEZ Water New York, Inc. – Archer Wells 1 & 2	Application # 21-0014	Date Submitted: September 10, 2021
Site Address: No. 9 Street: Colton Road Hamlet: Carmel		
Property Location: (Identify landmarks, distance from intersections, etc.) Located in a residential area behind 9 Colton Road (access gained through 31 Archer Road)		
Town of Carmel Tax Map Designation: Section 85.12 Block 1 Lot(s) 8	Zoning Designation of Site: Zone "R"	
Property Deed Recorded in County Clerk's Office Date 10/23/2017 Liber 2071 Page 458	Liens, Mortgages or other Encumbrances Yes (No)	
Existing Easements Relating to the Site No (Yes) Describe and attach copies: *Existing utility easements shown on Site Plan	Are Easements Proposed? (No) Yes Describe and attach copies:	
Have Property Owners within a 500' Radius of the Site Been Identified? (Yes) No Attached List to this Application Form		
APPLICANT/OWNER INFORMATION		
Property Owner: SUEZ Water New York, Inc	Phone #: 845-620-3319 Fax#:	Email: steven.garabed@suez.com
Owners Address: No. 162 Street: Old Mill Road Town: West Nyack State: NY Zip: 10994		
Applicant (if different than owner): APPLICANT IS THE SAME AS OWNER	Phone #: Fax#:	Email:
Applicant Address (if different than owner): APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
Individual/ Firm Responsible for Preparing Site Plan: John Atzl - Atzl, Nasher & Zigler, PC	Phone #: (845) 634 4694 Fax#: (845) 634 5543	Email: jatzl@anzny.com
Address: No. 234 Street: North Main Street Town: New City State: NY Zip: 10956		
Other Representatives:	Phone #: Fax#:	Email:
Owners Address: APPLICANT IS THE SAME AS OWNER No. Street: Town: State: Zip:		
PROJECT DESCRIPTION		
Describe the project, proposed use and operation thereof: SUEZ is proposing the construction of upgrades at their existing Archer well site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		



TOWN OF CARMEL SITE PLAN APPLICATION

PROJECT INFORMATION			
Lot size: Acres: 0.721		Square Feet: 31,416	
Square footage of all existing structures (by floor): 235 SQ. FT.			
# of existing parking spaces: 0	# of proposed parking spaces: 0		
# of existing dwelling units: 0	# of proposed dwelling units: 0		
Is the site served by the following public utility infrastructure:			
<ul style="list-style-type: none"> ▪ Is project in sewer district or will private septic system(s) be installed? No _____ ▪ If yes to Sanitary Sewer answer the following: <ul style="list-style-type: none"> No connection to the sanitary sewer will be needed ▸ Does approval exist to connect to sewer main? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▸ Is this an in-district connection? <u>NA</u> Out-of district connection? <u>NA</u> ▸ What is the total sewer capacity at time of application? <u>NA</u> ▸ What is your anticipated average and maximum daily flow <u>NA</u> 			
For Town of Carmel Town Engineer			
<ul style="list-style-type: none"> ▸ What is the sewer capacity <u>NA</u> 			
<ul style="list-style-type: none"> ▪ Water Supply Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> <li style="padding-left: 20px;">No drinking water will be used If Yes: <ul style="list-style-type: none"> ▸ Does approval exist to connect to water main? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> ▸ What is the total water capacity at time of application? <u>NA</u> ▸ What is your anticipated average and maximum daily demand <u>NA</u> 			
<ul style="list-style-type: none"> ▪ Storm Sewer Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▪ Electric Service Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> ▪ Gas Service Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> ▪ Telephone/Cable Lines Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 			
For Town of Carmel Town Engineer			
Water Flows <u></u> Sewer Flows <u></u> <u></u> 9/13/2020 Town Engineer, Date			
What is the predominant soil type(s) on the site? RdB- 37% WdC- 63%		What is the approximate depth to water table? 1 ft.	
Site slope categories:	15-25% 10 %	25-35% 5 %	>35% 3 %
Estimated quantity of excavation: *	Cut (C.Y.) 112.28	Fill (C.Y.) 6.59	Additional cut will remain on-site
Is Blasting Proposed	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> Unknown: <input type="checkbox"/>		
Is the site located in a designated Critical Environmental Area?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>		
Does a curb cut exist on the site? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	Are new curb cuts proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	What is the sight distance? Left <u>N/A</u> Right <u>N/A</u>	
Is the site located within 500' of:			
• The boundary of an adjoining city, town or village		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• The boundary of a state or county park, recreation area or road right-of-way		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• A county drainage channel line.		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
• The boundary of state or county owned land on which a building is located		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	

TOWN OF CARMEL SITE PLAN APPLICATION

Is the site listed on the State or Federal Register of Historic Place (or substantially contiguous) Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the site located in a designated floodplain? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will the project require coverage under the Current NYSDEC Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will the project require coverage under the Current NYCDEP Stormwater Regulations Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Does the site disturb more than 5,000 sq ft		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Does the site disturb more than 1 acre		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does the site contain freshwater wetlands? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Jurisdiction: NYSDEC: <input checked="" type="checkbox"/> Town of Carmel: <input type="checkbox"/>			
<i>If present, the wetlands must be delineated in the field by a Wetland Professional, and survey located on the Site Plan.</i>			
Are encroachments in regulated wetlands or wetland buffers proposed?		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
Does this application require a referral to the Environmental Conservation Board?		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Does the site contain waterbodies, streams or watercourses? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>			
Are any encroachments, crossings or alterations proposed? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the site located adjacent to New York City watershed lands? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Is the project funded, partially or in total, by grants or loans from a public source? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
Will municipal or private solid waste disposal be utilized? Public: <input type="checkbox"/> Private: <input checked="" type="checkbox"/>			
Has this application been referred to the Fire Department?		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
What is the estimated time of construction for the project? 12 months			
ZONING COMPLIANCE INFORMATION			
Zoning Provision	Required	Existing	Proposed
Lot Area	120,000 SQ. FT.	19,754 SQ. FT.	19,754 SQ. FT.
Lot Coverage	0.15	0.01	0.05
Lot Width	200 FT.	200 FT.	200 FT.
Lot Depth	-	-	-
Front Yard	40 FT.	88.7 FT.	114 FT.
Side Yard	25 FT.	82 FT.	69 FT.
Rear Yard	40 FT.	85.8 FT.	49.5 FT.
Minimum Required Floor Area	-	-	-
Floor Area Ratio	-	-	-
Height	35 FT.	14 FT.	22 FT.
Off-Street Parking	2	0	0
Off-Street Loading	-	-	-

TOWN OF CARMEL SITE PLAN APPLICATION

Will variances be required? Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	If yes, identify variances: NA
PROPOSED BUILDING MATERIALS - N/A	
Foundation	
Structural System	See attached narrative for proposed materials
Roof	
Exterior Walls	
APPLICANTS ACKNOWLEDGEMENT	
I hereby depose and certify that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true and correct.	
Christopher Graziano, General Manager SUEZ Water New York Inc.	
Applicants Name	Applicants Signature
Sworn before me this <u>18TH</u> day of <u>AUGUST</u> 20 <u>21</u>	
 Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> LARISA QUINN Notary Public, State of New York No. 01QU6382297 Qualified in Rockland County Commission Expires October 22, 2022 </div>



TOWN OF CARMEL SITE PLAN COMPLETENESS CERTIFICATION FORM



All Site Plans submitted to the Planning Board for review shall include the following information and details, as set forth in Section 156-61 B of the Town of Carmel Zoning Ordinance.

This form shall be included with the site plan submission

	<i>Requirement Data</i>	<i>To Be Completed by the Applicant</i>	<i>Waived by the Town</i>
1	Name and title of person preparing the site plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Name of the applicant and owner (if different from applicant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Original drawing date, revision dates, scale and north arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Tax map, block and lot number(s), zoning district	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	All existing property lines, name of owner of each property within a 500' radius of the site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Contour lines at two-foot intervals, grades of all roads, driveways, sanitary and storm sewers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	The location of all water bodies, streams, watercourses, wetland areas, wooded areas, rights-of-way, streets, roads, highways, railroads, buildings, structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	The location of all existing and proposed easements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	The location of all existing and proposed structures, their use, setback dimensions, floor plans, front, side and rear elevations, buildable area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	On site circulation systems, access, egress ways and service roads, emergency service access and traffic mitigation measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Sidewalks, paths and other means of pedestrian circulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	On-site parking and loading spaces and travel aisles with dimensions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	The location, height and type of exterior lighting fixtures	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Proposed signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	For non-residential uses, an estimate of the number of employees who will be using the site, description of the operation, types of products sold, types of machinery and equipment used	<input checked="" type="checkbox"/>	<input type="checkbox"/>



TOWN OF CARMEL
**SITE PLAN COMPLETENESS
CERTIFICATION FORM**



Town Certification (to be completed by the Town)

I _____ hereby confirm that the site plan meets all of the requirements of §156-61B of the Town of Carmel Zoning Ordinance:

Rose Lombetta
Signature - Planning Board Secretary

9/13/21
Date

Randy D'Alto
Signature - Town Engineer

9/13/2024
Date

Full Environmental Assessment Form
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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SUEZ Water New York, Inc. – London Bridge Well 1 & 2		
Project Location (describe, and attach a general location map): 39 Brook Street in the Town of Carmel, Putnam County		
Brief Description of Proposed Action (include purpose or need): SUEZ Water is proposing the construction of upgrades at their existing London Bridge Well 1 & 2 site. The proposed upgrades will comply with the new state drinking water regulations for polyfluoroalkyl substances (PFAS). The planned upgrade will add treatment for PFAS to remain below the New York State Drinking Water Standard of 10 parts per trillion (ppt) for both Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), the regulated compounds. See the attached narrative for details.		
Name of Applicant/Sponsor: SUEZ Water New York, Inc.	Telephone: 845-620-3319	E-Mail: steven.garabed@suez.com
Address: 162 Old Mill Road		
City/PO: West Nyack	State: NY	Zip Code: 10994
Project Contact (if not same as sponsor; give name and title/role): John Atzl - Atzl, Nasher & Zigler, PC	Telephone: 845-634-4694	E-Mail: jatzl@anzny.com
Address: 234 North Main Street		
City/PO: New City	State: NY	Zip Code: 10956
Property Owner (if not same as sponsor): PROPERTY OWNER IS THE SAME AS APPLICANT	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

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 Counsel, Town Board, <input type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Planning Board - Site Plan and Conditional Use Approval	August 2021
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Zoning Board - variance	August 2021
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Carmel Building Department - Building Permit, Sewer Connection Permit	August 2021
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Putnam County Department of Health	August 2021
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s):	
NYC Watershed Boundary _____	

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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?
Residential District

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? Mahopac Central School District

b. What police or other public protection forces serve the project site?
Town of Carmel Police Department

c. Which fire protection and emergency medical services serve the project site?
Mahopac Volunteer Fire Department

d. What parks serve the project site?
Airport Field, Sycamore Town Park

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)? Industrial Water Treatment and Supply

b. a. Total acreage of the site of the proposed action? _____ 1.61 acres
b. Total acreage to be physically disturbed? _____ 0.26 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 1.61 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)? % 194 Units: 726 sq. ft.

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 the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: _____ 12 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

*** Calculation: [Proposed building expansion (sq ft)/ Existing building (sq ft)] X 100
(792 sq. ft. proposed building /235 sq. ft. existing building) X 100**

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

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
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 _____ 1

ii. Dimensions (in feet) of largest proposed structure: _____ 22 height; _____ 22 width; and _____ 33 length

iii. Approximate extent of building space to be heated or cooled: _____ 726 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? Yes No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

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 the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the 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), what is the 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 a 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 the 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)
 Construction equipment and vehicles _____
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 Power generation _____
 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 (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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 truck trips/day and type (e.g., semi trailers and dump trucks): _____

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 1/2 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: _____
16,335 kWh*

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

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 6PM • Saturday: _____ 8AM - 6PM • Sunday: _____ 8AM - 6PM • Holidays: _____ CLOSED 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours/day • Saturday: _____ 24 hours/day • Sunday: _____ 24 hours/day • Holidays: _____ 24 hours/day
---	---

* The average number of kilowatt hours per square foot for a commercial building is approximately 22.5. (Source: Iota Communications.com). The proposed building is 792 sq. ft.

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:
 The operation of construction equipment will increase local daytime ambient noise levels. This will only occur during permitted hours of operation and the resulting noise will cease upon completion of the project.

ii. Will the 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:
 See Lighting Plan _____

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 _____
 ii. Volume(s) _____ per unit time _____ (e.g., month, year)
 iii. Generally, describe the proposed storage facilities: _____

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 the 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): Industrial Water Treatment and Supply
 ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.07	0.2	+ 0.13
• Forested, brushlands	1.34	1.21	- 0.13
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.02	0.02	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.05	0.05	0
• Wetlands (freshwater or tidal)	0.13	0.13	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• 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:

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): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control 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): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

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? _____ 2.1 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:

RdB- Ridgebury complex	_____	37 %
WdC- Woodbridge loam	_____	63 %
_____	_____	_____ %

d. What is the average depth to the water table on the project site? Average: _____ 1 feet

e. Drainage status of project site soils: Well Drained: _____ % of site
 Moderately Well Drained: _____ 63 % of site
 Poorly Drained _____ 37 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 45 % of site
 10-15%: _____ 30 % of site
 15% or greater: _____ 25 % 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 _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

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: _____

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Squirrel _____</td> <td style="width: 33%;">Raccoon _____</td> <td style="width: 33%;">_____</td> </tr> <tr> <td>Deer _____</td> <td>Possum _____</td> <td>_____</td> </tr> <tr> <td>Rabbit _____</td> <td>Fox _____</td> <td>_____</td> </tr> </table>		Squirrel _____	Raccoon _____	_____	Deer _____	Possum _____	_____	Rabbit _____	Fox _____	_____
Squirrel _____	Raccoon _____	_____								
Deer _____	Possum _____	_____								
Rabbit _____	Fox _____	_____								
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p>										
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>										
<p>E.3. Designated Public Resources On or Near Project Site</p>										
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>										
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>										
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>										
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>										

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: _____	
<i>iii.</i> Brief description of attributes on which listing is based: _____	
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	
If Yes:	
<i>i.</i> Describe possible resource(s): _____	
<i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: <u>State Scenic Byway</u>	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>Taconic State Parkway</u>	
<i>iii.</i> Distance between project and resource: _____ <u>1.1</u> miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

F. Additional Information

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

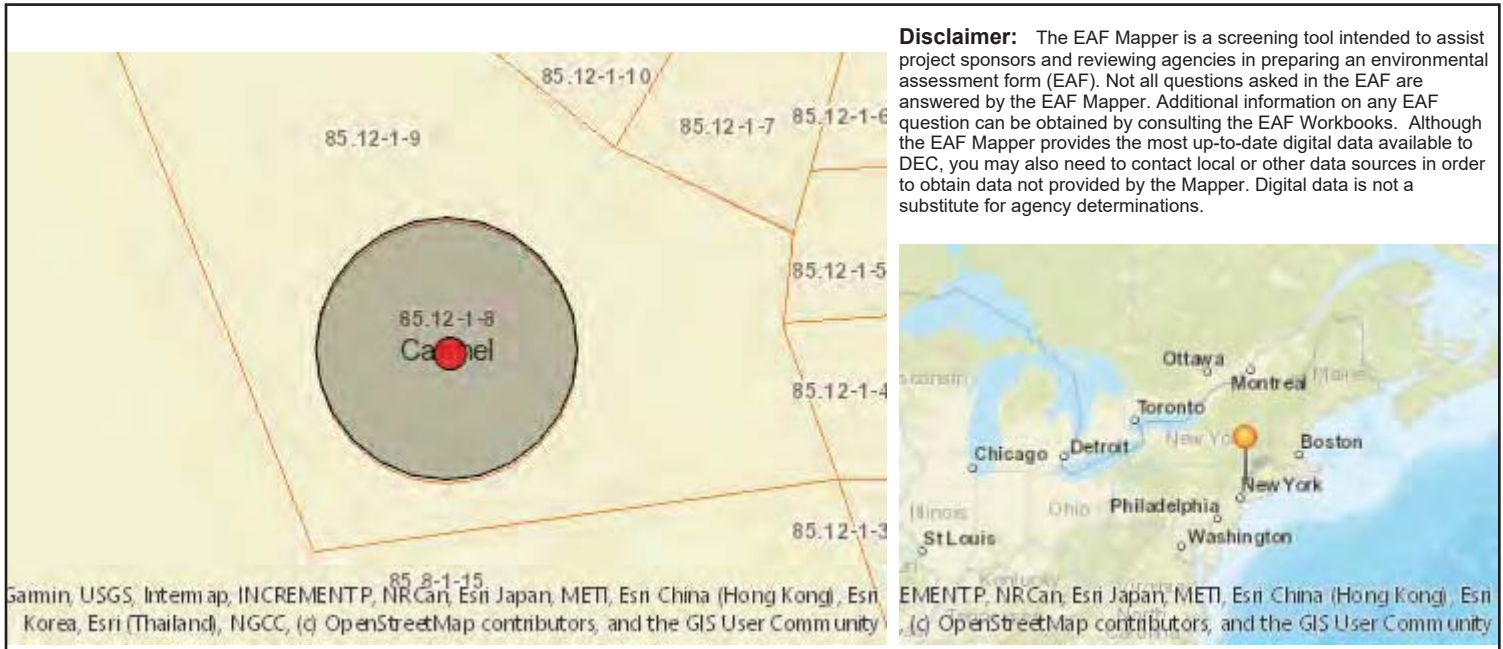
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

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

Applicant/Sponsor Name John Atz Date September 10, 2021

Signature _____ Title Land Surveyor



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
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.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
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 or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No







OWNERS WITHIN 500 FEET:

- 85.8-1-1 WARREN & MARIA GOLDEN
19 COLTON AVENUE
MANHATTAN, NY 10541
- 85.8-1-2 ROBERT A. & WANDA L. GARLOG
23 COLTON ROAD
MANHATTAN, NY 10541
- 85.8-1-3 PHILIP J. VISCONTI
27 OLD HORN ROAD
MANHATTAN, NY 10541
- 85.8-1-4 ROBERT W. & ELEANA J. NOBLE
31 COLTON ROAD
MANHATTAN, NY 10541
- 85.8-1-5 LOUIS ROSTEN
32 COLTON ROAD
MANHATTAN, NY 10541
- 85.8-1-6 DONALD & ANNA S. THORN
37 COLTON ROAD
MANHATTAN, NY 10541
- 85.8-1-15 MICHEL H. MARVALD & ROSA E. MONTESEDECA
132 MONTE AVENUE
MT. KISCO, NY 10549
- 85.8-1-25 VITO P. & AMES SANFORDA
33 ARCHER ROAD
MANHATTAN, NY 10541
- 85.8-1-28 RYAN & NICOLE EMERY
57 ARCHER ROAD
MANHATTAN, NY 10541
- 85.8-1-27 JEFFREY BOYLE & ANN D. LINK
61 ARCHER ROAD
MANHATTAN, NY 10541
- 85.8-1-28 DUBRAK LYUNG TRUST
MANHATTAN, NY 10541
- 85.8-1-29 VINCENT J. & GERALDINE A. BOURA
MANHATTAN, NY 10541
- 85.8-1-29 JOSEPH & MARIE ANITA CASHMAN
68 ARCHER ROAD
MANHATTAN, NY 10541
- 85.8-1-30 INGEBORG M. & MICHAEL G. QUENSENBERRY
MANHATTAN, NY 10541
- 85.8-1-11 GARY N. & JOAN C. SOMMER
54 ARCHER ROAD
MANHATTAN, NY 10541
- 85.8-1-12 BRIAN & SONIA M. FANELLI
52 ARCHER ROAD
MANHATTAN, NY 10541
- 85.8-1-15 KEVIN SHAW & ELVISA WELLS
3 JAMES ROAD
MANHATTAN, NY 10541
- 85.12-1-1 ELKO & MARIA SCHUTTE
BY ROUTE ON
MANHATTAN, NY 10541
- 85.12-1-3 TERRANCE C. & PATRICIA K. ODELL
20 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-4 FRANK FEMIA & LUCY FIORELLA
31 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-5 SAM JOSE & JEMIMA JACOB
32 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-6 JOHN J. HENNING
3 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-7 KEVIN & ISUF UGRINAJ
5 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-9 COUNTY OF PUTNAM
40 GLENDA AVENUE
MANHATTAN, NY 10541
- 85.12-1-10 LOUIS J. & MARY SABATELLO, SR.
11 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-11 LINDA SHATTAN
15 COLTON ROAD
MANHATTAN, NY 10541
- 85.8-1-37 THE MORTGAGE CORPORATION
68 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-38 FRANK & WENDY LONGO
54 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-4 N/F FRANK FEMIA & LUCY FIORELLA
- 85.12-1-3 N/F TERRANCE C. & PATRICIA K. ODELL
- 85.12-1-22 EDWARD & NANCY O'MALLEY
3 FRENCHY ROAD
MANHATTAN, NY 10541
- 85.12-1-23 MARD & HANNAK HONANIAN
31 FRENCHY ROAD
MANHATTAN, NY 10541
- 85.12-1-24 JENNY LERNA
18 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-25 ANGELO & MARGHERITA MEOLA
8 COLTON ROAD
MANHATTAN, NY 10541
- 85.12-1-26 SAMUEL SLOTOROFF & NICOLE MCKENZIE
47 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-14 JOAN M. & JOHN R. LANKARD
46 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-15 MICHAEL & NICOLE LOEBY
42 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-16 SYLVIA PHELPS
38 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-17 MICHEL H. MARVALD & ROSA E. MONTESEDECA
11 ARCHER ROAD
MANHATTAN, NY 10541
- 85.12-1-18 JOHN D. & JEAN WASTA
121 ROUTE 68
MANHATTAN, NY 10541
- 85.12-1-19 GIOVANNI & MARIA RUCCI
120 ROUTE 68
MANHATTAN, NY 10541



- PLAN NOTES:**
- OWNER/APPLICANT: SUEZ WATER NEW YORK, INC. 162 OLD MILL ROAD WEST HAVEN, CT 06494
 - BOUNDARY AND SITE INFORMATION TAKEN FROM A SURVEY PREPARED BY ATZL, NASHER & ZIGLER, P.C.
 - THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A 100 YEAR FLOOD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 30570C000E DATED 3/4/2013.
 - TOPOGRAPHY ELEVATIONS SHOWN ARE GENERALLY IN ACCORDANCE WITH NAD 1983 AND NAVD 1988 DATUM.
 - SITE ADDRESS: 9 COLTON ROAD, CARMEL, NY 10512
 - EXISTING USE: COMMERCIAL WATER SUPPLY
 - ALL UTILITIES ARE ABOVE GRADE.

TAX MAP REFERENCE:
TOWN OF CARMEL TAX MAP SECTION 85.12, BLOCK 1, LOT 8

OWNER & APPLICANT:
SUEZ WATER NEW YORK, INC. 162 OLD MILL ROAD WEST HAVEN, CT 06494

ADDRESS:
N/F 9 COLTON ROAD, CARMEL, NY 10512

AREA:
31,416 SQ. FT.
0.721 ACRE

DATUM:
VERTICAL: NAVD 1988
HORIZONTAL: NAD 1983, NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE

FLOOD HAZARD:
THE SURVEYED LOT IS SITUATED IN "AREAS DETERMINED TO BE OUTSIDE THE 1% ANNUAL CHANCE FLOODPLAIN" AS DESIGNATED BY FEMA PER FEMA MAP NO. 30570C000E, WITH AN EFFECTIVE DATE OF MARCH 4, 2013.

NOTE:
UTILITY LOCATIONS ARE BASED ON ABOVE-GROUND OBSERVATIONS & UTILITY MARKOUTS AT TIME OF FIELD SURVEY. THE TYPE AND LOCATION OF UTILITIES ARE NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE.

SUBDIVISION REFERENCE:
SUBDIVISION MAP No. 2 OF ARCHER ROAD LAYOUT FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON MAY 24, 1967, AS MAP No. 907A.

NET LOT AREA CALCULATION:
GROSS LOT AREA = 31,416 SQ. FT.
LESS: BOSS OF WETLANDS = 18,754 SQ. FT.
NET LOT AREA = 12,662 SQ. FT.

DISTRICT REGULATIONS:

ZONE "C" DISTRICT "C1"	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	125,000 SQ. FT.	19,754 SQ. FT.	19,754 SQ. FT.
MINIMUM LOT WIDTH	200 FT.	200 FT.	200 FT.
MINIMUM STREET FRONTAGE (ON TOWN ROAD)	100 FT.	0 FT.	0 FT.
MINIMUM STREET FRONTAGE (ON COL-DE-SAC)	50 FT.	N/A	N/A
MINIMUM FRONT YARD	40 FT.	88.7 FT.	114 FT.
MINIMUM SIDE YARD	25 FT.	82 FT.	69 FT.
MINIMUM TOTAL SIDE YARD	50 FT.	174.4 FT.	N/A
MINIMUM REAR YARD	40 FT.	88.8 FT.	49.5 FT.
MAXIMUM BUILDING HEIGHT	35 FT.	14 FT.	22 FT.
MAXIMUM LOT COVERAGE	0.15	0.15	0.15
MINIMUM LANDSCAPE BUFFER	10 FT.	10 FT.	10 FT.

PARKING REQUIREMENTS:
1 SPACE/EMPLOYEE
+ 1 SPACE/SERVICE VEHICLE
NO LESS THAN 3 SPACES REQUIRED

- DRAWING LIST:**
- 1. SITE & LIGHTING PLAN JULY 16, 2021
 - 2. EXISTING CONDITION PLAN JULY 16, 2021
 - 3. GRADING PLAN AUGUST 16, 2021
 - 4. EROSION & SEDIMENT CONTROL PLAN JULY 16, 2021
 - 5. TREE PLAN JULY 16, 2021
 - 6. LIGHTING PLAN JULY 16, 2021

ORIGIN DATE:
JULY 16, 2021



- LEGEND**
- DOTTED --- EXISTING ST. CONTOUR
 - DASHED --- EXISTING ST. CONTOUR
 - DASHED --- EXISTING WETLAND
 - DASHED --- EXISTING FIRE HYDRANT
 - DASHED --- EXISTING GAS LINE
 - DASHED --- EXISTING CATCH BASIN
 - DASHED --- EXISTING STORM DRAIN LINE
 - DASHED --- EXISTING SEWER MANHOLE
 - DASHED --- EXISTING SEWER LINE
 - DASHED --- EXISTING SPOT ELEVATION
 - DASHED --- EXISTING STORMWELL
 - DASHED --- EXISTING DOWN LINE FENCE
 - DASHED --- EXISTING OVERHEAD WIRE
 - DASHED --- EXISTING TELECOMMUNICATION LINE
 - DASHED --- EXISTING ELECTRIC LINE
 - DASHED --- EXISTING SIGN
 - DASHED --- EXISTING LIGHT POLE
 - DASHED --- EXISTING UTILITY POLE
 - DASHED --- EXISTING WATER VALVE
 - DASHED --- EXISTING GAS VALVE
 - DASHED --- EXISTING GATE VALVE
 - DASHED --- PROPOSED WATER SERVICE
 - DASHED --- PROPOSED UNDERGROUND ELECTRIC
 - DASHED --- PROPOSED CONTOURS
 - DASHED --- PROPOSED ROOF DRAIN
 - DASHED --- PROPOSED STORM DRAIN
 - DASHED --- PROPOSED S&T FENCE
 - DASHED --- PROPOSED FIRE HYDRANT

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
232 North Main Street
New City, New York 10996
Tel: (845) 654-6884
Fax: (845) 654-6543
E-mail: info@atznz.com
www.atznz.com

PROJECT:
SUEZ WATER NEW YORK, INC.
ARCHER WELLS 1 & 2

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

SITE PLAN

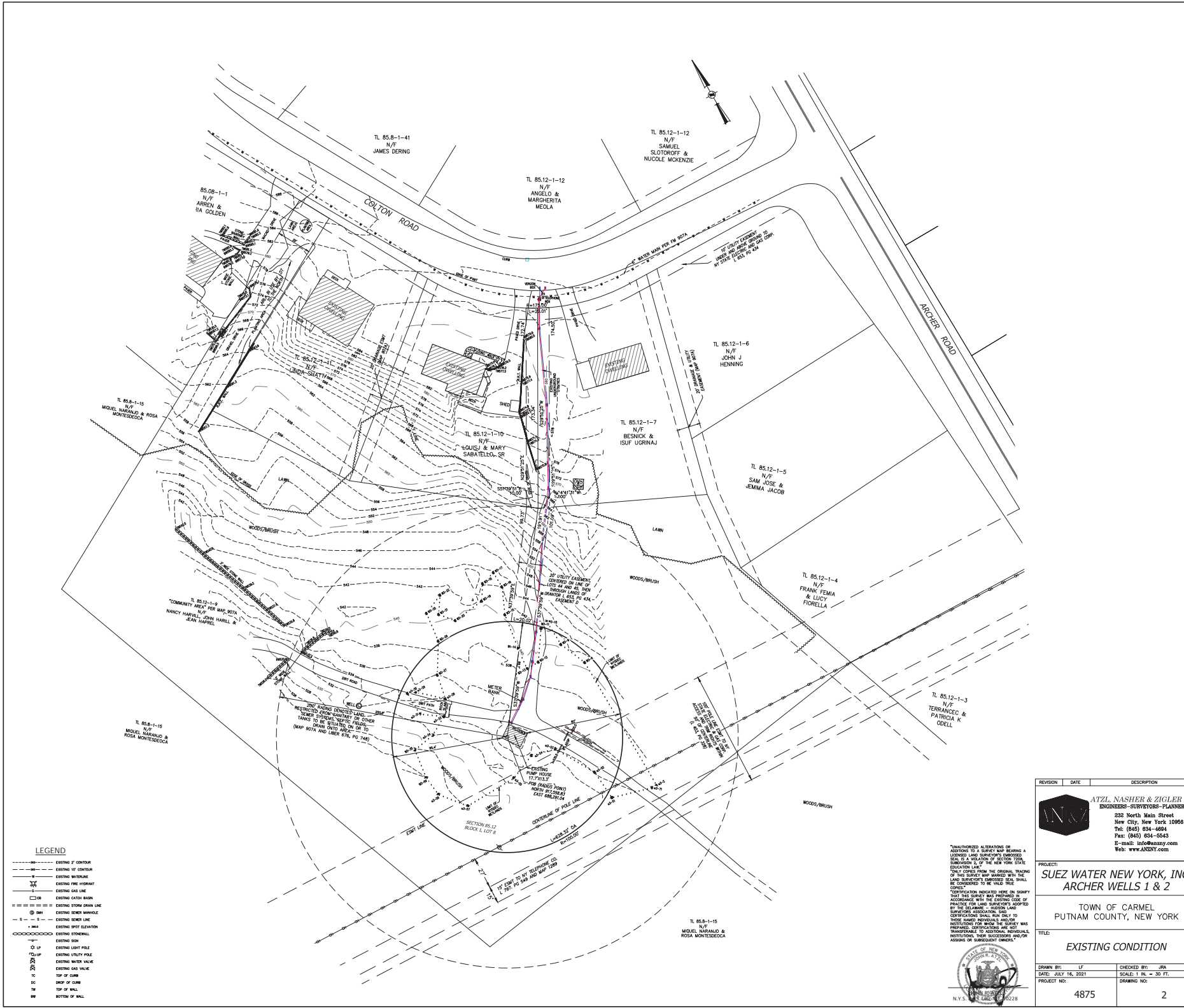
REVISION | **DATE** | **DESCRIPTION**

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TITLE:

DRAWN BY: LF | **CHECKED BY:** JRA
DATE: JULY 16, 2021 | **SCALE:** 1" = 30. FT.
PROJECT NO.: | **DRAWING NO.:**

4875 1



LEGEND

- --- --- EXISTING OF CONTOUR
- --- --- EXISTING OF CONTOUR
- --- --- EXISTING WATERLINE
- --- --- EXISTING FIVE INCH MAIN
- --- --- EXISTING GAS LINE
- --- --- EXISTING CATCH BASIN
- --- --- EXISTING STORM DRAIN LINE
- --- --- EXISTING SEWER MANHOLE
- --- --- EXISTING SEWER LINE
- --- --- EXISTING SPOT ELEVATION
- --- --- EXISTING STORMWALL
- --- --- EXISTING SIGN
- --- --- EXISTING LIGHT POLE
- --- --- EXISTING UTILITY POLE
- --- --- EXISTING WATER VALVE
- --- --- EXISTING GAS VALVE
- --- --- TOP OF CURB
- --- --- SWAY OF CURB
- --- --- TOP OF WALL
- --- --- BOTTOM OF WALL

REVISION	DATE	DESCRIPTION

ATZL NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
232 North Main Street
New City, New York 10966
Tel: (845) 654-4664
Fax: (845) 654-6543
E-mail: info@anzy.com
Web: www.anzy.com

PROJECT:
SUEZ WATER NEW YORK, INC.
ARCHER WELLS 1 & 2

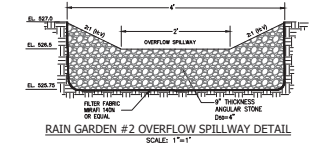
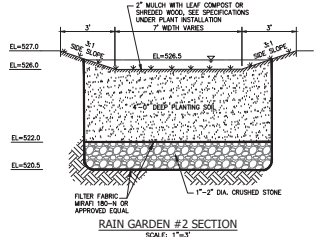
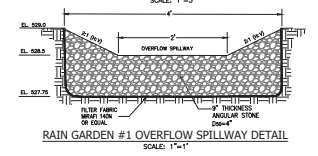
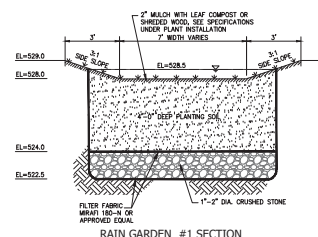
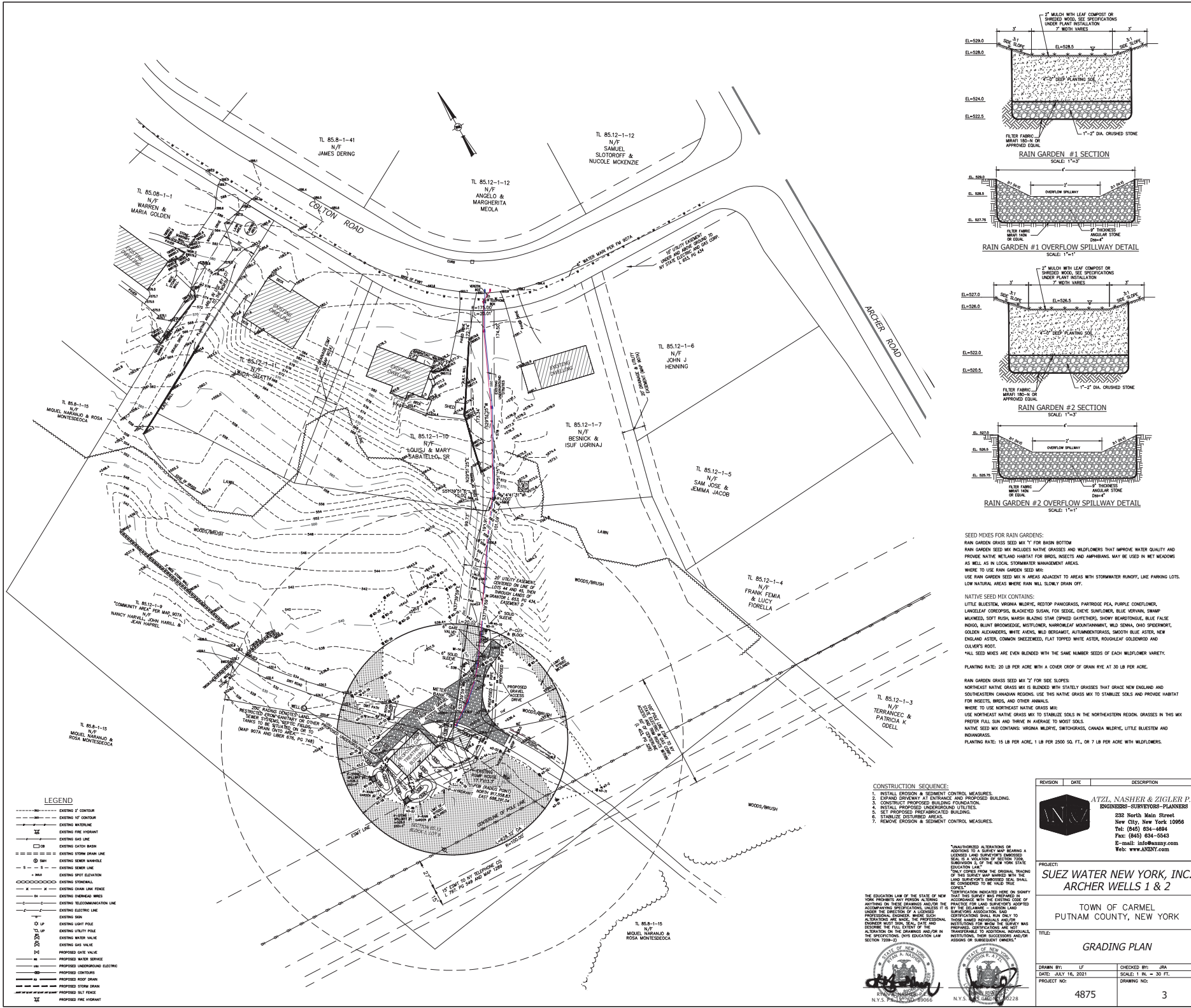
TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
EXISTING CONDITION

DRAWN BY: LF	CHECKED BY: JRA	DATE: JULY 16, 2021
PROJECT NO:	SCALE: 1 IN. = 30 FT.	DRAWING NO:
4875		2



*UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMPLOYER SEAL IS A VIOLATION OF SECTION 2005, SUBSECTION 2, OF THE NEW YORK STATE EDUCATION LAW.
*ANY CHANGES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LAND SURVEYOR'S EMPLOYER SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
*THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE STATE OF NEW YORK. LAND CERTIFICATIONS SHALL RUN ONLY TO THOSE NAMED HEREON AND NO OTHER PERSONS FOR WHOM THE SURVEY WAS PREPARED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ANY OTHER PERSONS, INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS OF SUBSEQUENT CONVEY.



SEED MIXES FOR RAIN GARDENS:
 RAIN GARDEN GRASS SEED MIX #1 FOR BARN BOTTOM
 RAIN GARDEN SEED MIX INCLUDES NATIVE GRASSES AND WILDFLOWERS THAT IMPROVE WATER QUALITY AND PROVIDE NATIVE WILDLIFE HABITAT FOR BIRDS, INSECTS AND AMPHIBIANS. MAY BE USED IN WET MEADOWS AS WELL AS IN LOCAL STORMWATER MANAGEMENT AREAS.
 WHERE TO USE RAIN GARDEN SEED MIX:
 USE RAIN GARDEN SEED MIX IN AREAS ADJACENT TO AREAS WITH STORMWATER RUNOFF, LIKE PARKING LOTS. LOW NATURAL AREAS WHERE RAIN WILL SLOWLY DRAIN OFF.

NATIVE SEED MIX CONTAINS:
 LITTLE BLUESTEM, VIRGINIA WILDFE, REDTOP PANICGRASS, PARTRIDGE PEA, PURPLE CONIFLOWER, LANCELEAF COREOPSIS, BLACKEYED SUSAN, FOX SEDGE, ONEYE SUNFLOWER, BLUE VERNINA, SWAMP MILKWEED, SOFT FUSH, MARSH BLADING STAR (SPRINK GAYTHER), SHOW BEAM/TONGUE, BLUE FAUCE MONDO, BLUNT BROCKWIDE, NITELFLOW, MARSHLEAF WOLFBARTHAINE, RED SUNNA, PINK SPIDERBOK, GOLDEN ALEXANDERS, WHITE AVENS, WILD BERGAMOT, AUTUMNBROTIDASS, SMOOTH BLUE ASTER, NEW ENGLAND ASTER, COMMON SNEEZEWEED, FLAT TOPPED WHITE ASTER, ROUGELEAF GOLDENROD AND CLELANDS ROOT.

*ALL SEED MIXES ARE EVEN BLENDED WITH THE SAME NUMBER SEEDS OF EACH WILDFLOWER VARIETY.

PLANTING RATE: 20 LB PER ACRE WITH A COVER CROP OF GRASS MIX AT 30 LB PER ACRE.

RAIN GARDEN GRASS SEED MIX #2 FOR SIDE SLOPES
 NORTHEAST NATIVE GRASS MIX IS BLENDED WITH STABLEY GRASSES THAT GRACE NEW ENGLAND AND SOUTHEASTERN CANADIAN REGIONS. USE THIS NATIVE GRASS MIX TO STABILIZE SOILS AND PROVIDE HABITAT FOR INSECTS, BIRDS, AND OTHER ANIMALS.

WHERE TO USE NORTHEAST NATIVE GRASS MIX:
 USE NORTHEAST NATIVE GRASS MIX TO STABILIZE SOILS IN THE NORTHEASTERN REGION. GRASSES IN THIS MIX PREFER FULL SUN AND THRIVE IN AVERAGE TO MOST SOILS.

NATIVE SEED MIX CONTAINS: VIRGINIA WILDFE, SERTOPGRASS, CANADA WILDFE, LITTLE BLUESTEM AND INDIANGRASS.

PLANTING RATE: 15 LB PER ACRE, 1 LB PER 2500 SQ. FT., OR 1 LB PER ACRE WITH WILDFLOWERS.

- CONSTRUCTION SEQUENCE:**
1. INSTALL EROSION & SEDIMENT CONTROL MEASURES.
 2. EXPAND DRIVEWAY AT ENTRANCE AND PROPOSED BUILDING.
 3. CONSTRUCT PROPOSED BUILDING FOUNDATION.
 4. INSTALL PROPOSED UNDERGROUND UTILITIES.
 5. SET PROPOSED PREFABRICATED BUILDING.
 6. STABILIZE DISTURBED AREAS.
 7. REMOVE EROSION & SEDIMENT CONTROL MEASURES.

LEGEND

- EXISTING 1' CONTOUR
- - - EXISTING 2' CONTOUR
- EXISTING WATERLINE
- EXISTING FIRE HYDRANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MAINLINE
- EXISTING SEWER LINE
- EXISTING SPOT ELEVATION
- EXISTING STORMWATER
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRES
- EXISTING TELECOMMUNICATION LINE
- EXISTING ELECTRIC LINE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- EXISTING GAS VALVE
- PROPOSED WATER SERVICE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED CONDUITS
- PROPOSED ROOF DRAIN
- PROPOSED STORM DRAIN
- PROPOSED GAS FENCE
- PROPOSED FIRE HYDRANT

REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 832 North Main Street
 New City, New York 10966
 Tel: (845) 654-4884
 Fax: (845) 634-0543
 E-mail: info@atzy.com
 Web: www.atzy.com

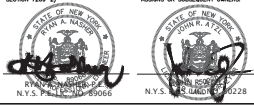
PROJECT:
 SUEZ WATER NEW YORK, INC.
 ARCHER WELLS 1 & 2

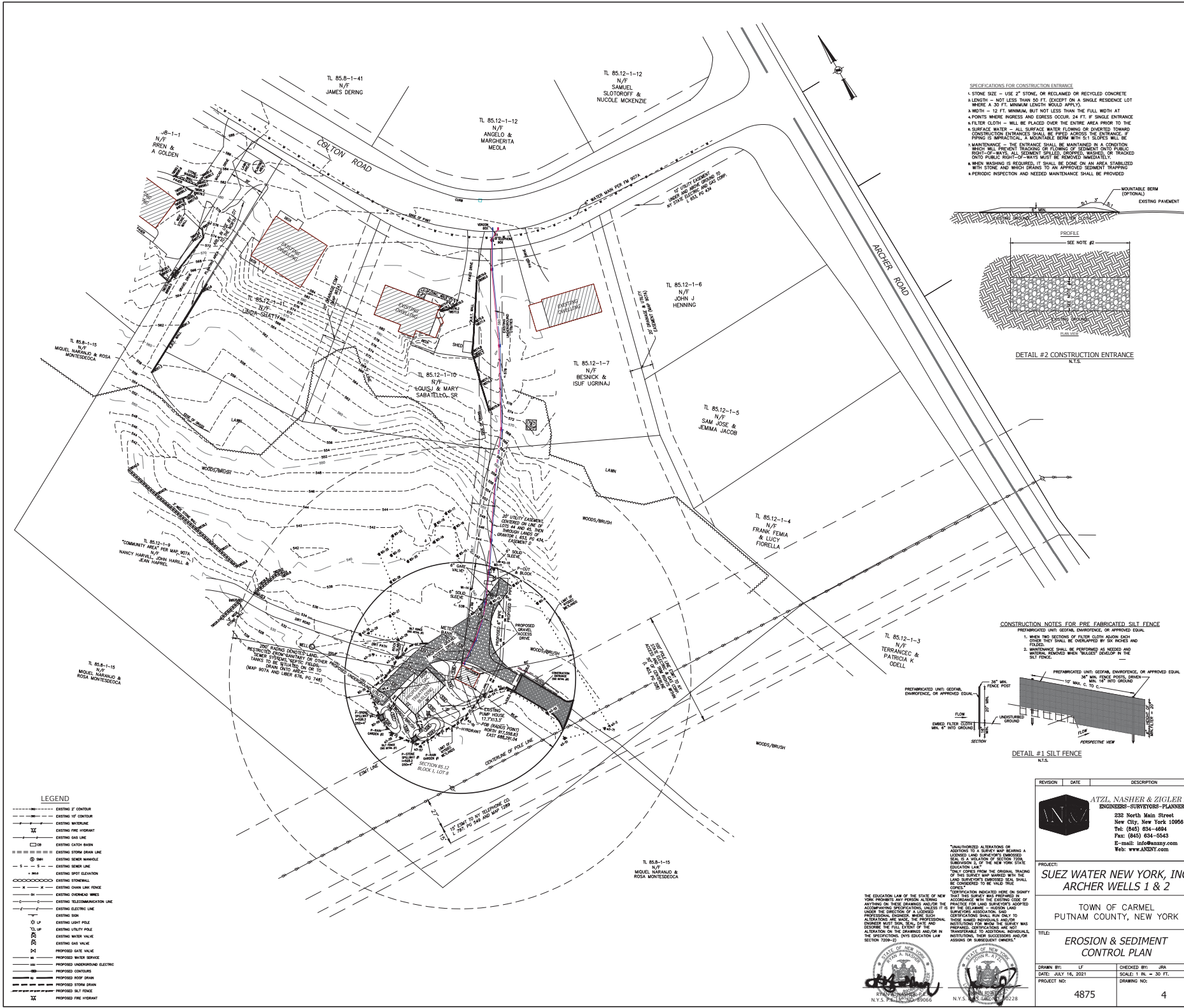
TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE:
 GRADING PLAN

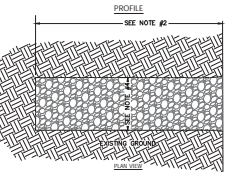
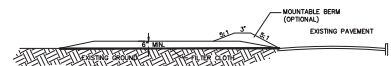
DRAWN BY: JFA
DATE: JULY 16, 2021
PROJECT NO.: 4875

CHECKED BY: JRA
SCALE: 1" = 30 FT.
DRAWING NO.: 3





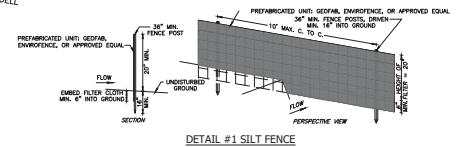
- SPECIFICATIONS FOR CONSTRUCTION ENTRANCE**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE
 - LENGTH - NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY)
 - WIDTH - 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT
 - SPACINGS BEHIND SIDING AND EXCESS OCCUR, 24 FT. IF SINGLE ENTRANCE
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD
 - JUNCTIONS AND ENTRANCES SHALL BE PROTECTED ACROSS THE ENTRANCE OF
 - THE ENTRANCE WITH 2" FILTER CLOTH
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION
 - WHICH WILL PREVENT TRAFFIC OR OTHER USES FROM ENTERING THE PUBLIC
 - RIGHT-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRUCKED
 - ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED TO AN APPROVED TREATMENT
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED



DETAIL #2 CONSTRUCTION ENTRANCE
N.T.S.

CONSTRUCTION NOTES FOR PRE-FABRICATED SILT FENCE

- WHEN TWO SECTIONS OF PRE-FABRICATED SILT FENCE ARE JOINED TOGETHER, THE JOINT SHALL BE OVERLAPPED BY SIX INCHES AND SECURED WITH GALVANIZED STEEL BRACKET AS SHOWN.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND REPORTED TO THE ENGINEER.



DETAIL #1 SILT FENCE
N.T.S.

LEGEND

- EXISTING 5' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING MIDLINE
- EXISTING FIRE HYDRANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING SPOT ELEVATION
- EXISTING CONCRETE
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRE
- EXISTING TELECOMMUNICATION LINE
- EXISTING ELECTRIC LINE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- PROPOSED GATE VALVE
- PROPOSED WATER SERVICE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED CONTOUR
- PROPOSED ROOF DRAIN
- PROPOSED STORM DRAIN
- PROPOSED SILT FENCE
- PROPOSED FIRE HYDRANT

UNAUTHORIZED ALTERATIONS OF ANY KIND TO THESE DRAWINGS ARE PROHIBITED. ANY PERSON ALTERING THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF THE PROFESSIONAL ENGINEER SHALL BE CONSIDERED TO BE VIOLATING THE PROFESSIONAL ENGINEERING ACT AND THE EDUCATION LAW OF THE STATE OF NEW YORK. THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING REPORT OF PROFESSIONAL ENGINEER WITHOUT THE WRITTEN CONSENT OF THE PROFESSIONAL ENGINEER. THE PROFESSIONAL ENGINEER SHALL BE CONSIDERED TO BE VIOLATING THE PROFESSIONAL ENGINEERING ACT AND THE EDUCATION LAW OF THE STATE OF NEW YORK IF HE OR SHE FAILS TO SIGN AND SEAL THESE DRAWINGS AND/OR THE ACCOMPANYING REPORT OF PROFESSIONAL ENGINEER. THE PROFESSIONAL ENGINEER SHALL BE CONSIDERED TO BE VIOLATING THE PROFESSIONAL ENGINEERING ACT AND THE EDUCATION LAW OF THE STATE OF NEW YORK IF HE OR SHE FAILS TO SIGN AND SEAL THESE DRAWINGS AND/OR THE ACCOMPANYING REPORT OF PROFESSIONAL ENGINEER.

STATE OF NEW YORK
JULY 16, 2021
N.Y.S. P. E. REG. NO. 99066

STATE OF NEW YORK
JULY 16, 2021
N.Y.S. P. E. REG. NO. 90228

REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
832 North Main Street
New City, New York 10966
Tel: (845) 654-4684
Fax: (845) 634-5543
E-mail: info@anzy.com
Web: www.anzy.com

PROJECT: **SUEZ WATER NEW YORK, INC. ARCHER WELLS 1 & 2**

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE: **EROSION & SEDIMENT CONTROL PLAN**

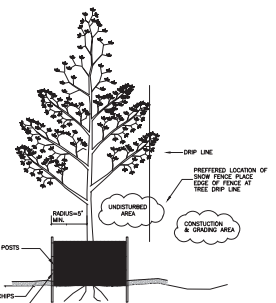
DRAWN BY: LF CHECKED BY: JRA
DATE: JULY 16, 2021 SCALE: 1" = 30 FT.
PROJECT NO.: DRAWING NO.:
4875 4

TREE LIST

NO.	SIZE	TYPE	CONDITION	NO.	SIZE	TYPE	CONDITION
2001	24"	MAPLE	GOOD	2084	6"	MAPLE	GOOD
2002	4"	BIRCH	POOR	2082	24"	BIRCH	GOOD
2003	12"	BIRCH	GOOD	2083	12"	HICKORY	GOOD
2004	21"	OAK	GOOD	2084	6"	HICKORY	GOOD
2005	24"	BIRCH	POOR	2085	18"	SMAC	GOOD
2006	TRIP 8"	BIRCH	GOOD	2086	18"	SMAC	GOOD
2007	14"	ASH	GOOD	2087	18"	BIRCH	POOR
2008	15"	OAK	GOOD	2088	12"	MAPLE	GOOD
2009	20"	PINE	GOOD	2089	10"	SMAC	POOR
2010	10"	MAPLE	GOOD	2090	6"	SMAC	GOOD
2011	4"	HICKORY	GOOD	2091	20"	SMAC	POOR
2012	TRIP 10"	MAPLE	POOR	2092	6"	OAK	GOOD
2013	TRIP 10"	MAPLE	POOR	2093	12"	SMAC	GOOD
2014	TRIP 10"	MAPLE	POOR	2094	6"	BIRCH	POOR
2015	TRIP 10"	MAPLE	POOR	2095	12"	OAK	GOOD
2016	TRIP 10"	MAPLE	POOR	2096	10"	OAK	GOOD
2017	TRIP 10"	MAPLE	POOR	2097	8"	MAPLE	GOOD
2018	30"	OAK	GOOD	2098	11"	OAK	GOOD
2019	8"	BIRCH	GOOD	2099	14"	OAK	GOOD
2020	14"	BIRCH	GOOD	2100	16"	OAK	GOOD
2021	12"	BIRCH	GOOD	2101	16"	OAK	GOOD
2022	12"	BIRCH	GOOD	2102	16"	MAPLE	GOOD
2023	7"	OAK	GOOD	2103	TRIP 10"	MAPLE	GOOD
2024	TRIP 14"	ASH	GOOD	2104	10"	BIRCH	GOOD
2025	20"	OAK	GOOD	2105	10"	BIRCH	GOOD
2026	8"	BIRCH	GOOD	2106	14"	OAK	GOOD
2027	12"	BIRCH	GOOD	2107	TRIP 10"	BIRCH	GOOD
2028	TRIP 10"	BIRCH	GOOD	2108	10"	BIRCH	POOR
2029	14"	BIRCH	POOR	2109	14"	OAK	GOOD
2030	TRIP 10"	MAPLE	POOR	2110	10"	BIRCH	GOOD
2031	7"	MAPLE	POOR	2111	10"	BIRCH	GOOD
2032	10"	BIRCH	GOOD	2112	10"	MAPLE	GOOD
2033	10"	TALP	POOR	2113	7"	MAPLE	GOOD
2034	14"	BIRCH	GOOD	2114	10"	MAPLE	GOOD
2035	TRIP 10"	MAPLE	GOOD	2115	24"	BIRCH	POOR
2036	TRIP 10"	MAPLE	GOOD	2116	10"	BIRCH	POOR
2037	TRIP 10"	ASH	POOR	2117	10"	MAPLE	GOOD
2038	8"	HICKORY	GOOD	2118	10"	BIRCH	POOR
2039	QUADR 4"	MAPLE	GOOD	2119	18"	BIRCH	POOR
2040	QUADR 4"	MAPLE	GOOD	2120	10"	SMAC	GOOD
2041	TRIP 14"	MAPLE	GOOD	2121	6"	MAPLE	GOOD
2042	12"	MAPLE	GOOD	2122	11"	SMAC	GOOD
2043	TRIP 12"	MAPLE	GOOD	2123	14"	BIRCH	GOOD
2044	TRIP 12"	MAPLE	GOOD	2124	14"	BIRCH	GOOD
2045	TRIP 12"	MAPLE	GOOD	2125	14"	HICKORY	GOOD
2046	TRIP 12"	MAPLE	GOOD	2126	14"	BIRCH	GOOD
2047	TRIP 12"	MAPLE	GOOD	2127	12"	MAPLE	GOOD
2048	TRIP 12"	MAPLE	GOOD	2128	12"	MAPLE	GOOD
2049	TRIP 12"	MAPLE	GOOD	2129	12"	PINE	GOOD
2050	TRIP 12"	MAPLE	GOOD	2130	TRIP 10"	FR	GOOD
2051	17"	BIRCH	POOR	2131	20"	FR	GOOD
2052	7"	HICKORY	GOOD				
2053	12"	HICKORY	GOOD				
2054	7"	HICKORY	GOOD				
2055	21"	SHAM	POOR				
2056	21"	TALP	POOR				
2057	40"	HICKORY	POOR				
2058	17"	OAK	POOR				
2059	TRIP 10"	MAPLE	POOR				
2060	TRIP 10"	MAPLE	POOR				
2061	TRIP 10"	MAPLE	POOR				
2062	TRIP 10"	MAPLE	POOR				
2063	TRIP 10"	MAPLE	POOR				
2064	16"	MAPLE	GOOD				
2065	16"	MAPLE	GOOD				
2066	TRIP 10"	MAPLE	GOOD				
2067	TRIP 10"	MAPLE	GOOD				
2068	12"	TALP	POOR				
2069	MAPLE	GOOD					
2070	10"	ASH	GOOD				
2071	10"	OAK	GOOD				
2072	TRIP 14"	SMAC	GOOD				
2073	12"	SMAC	GOOD				
2074	12"	SMAC	GOOD				
2075	12"	SMAC	GOOD				
2076	12"	SMAC	GOOD				
2077	12"	MAPLE	GOOD				
2078	15"	MAPLE	GOOD				
2079	8"	MAPLE	GOOD				
2080	10"	HICKORY	GOOD				

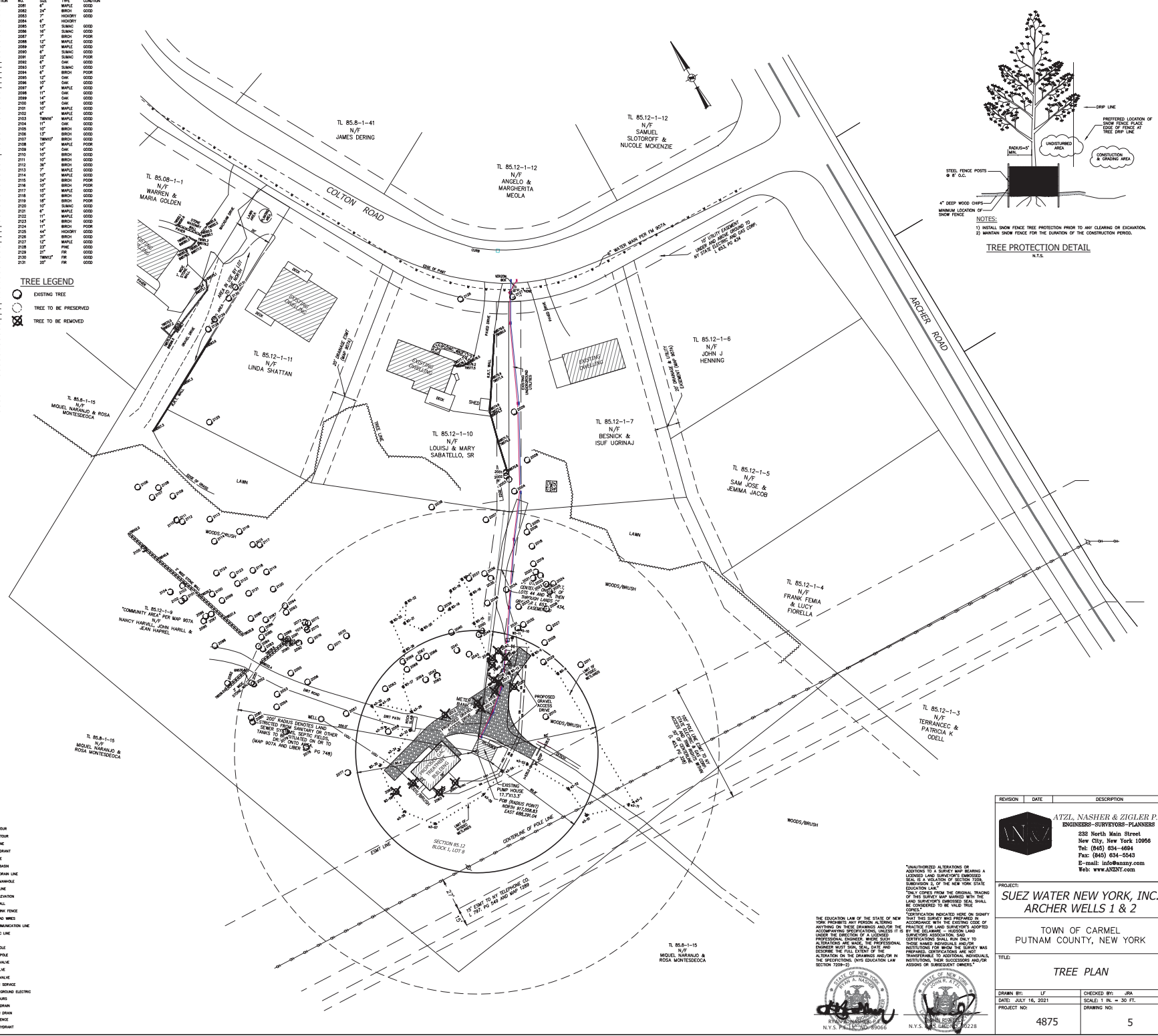
TREE LEGEND

○	EXISTING TREE
○	TREE TO BE PRESERVED
○	TREE TO BE REMOVED



LEGEND

---	EXISTING 1/2 CONTOUR
---	EXISTING 1' CONTOUR
---	EXISTING WATERLINE
---	EXISTING FIRE HYDRANT
---	EXISTING GAS LINE
---	EXISTING CATCH BASIN
---	EXISTING STORM DRAIN LINE
---	EXISTING SEWER MANHOLE
---	EXISTING SEWER LINE
---	EXISTING SPOT ELEVATION
---	EXISTING STORMLINE
---	EXISTING CHAIN LINK FENCE
---	EXISTING OVERHEAD WIRE
---	EXISTING RECOMMENDATION LINE
---	EXISTING ELECTRIC LINE
---	EXISTING SIGN
---	EXISTING LIGHT POLE
---	EXISTING UTILITY POLE
---	EXISTING WATER VALVE
---	EXISTING GAS VALVE
---	PROPOSED GAS VALVE
---	PROPOSED WATER SERVICE
---	PROPOSED UNDERGROUND ELECTRIC
---	PROPOSED CONDUIT
---	PROPOSED ROOF DRAIN
---	PROPOSED STORM DRAIN
---	PROPOSED 6' FENCE
---	PROPOSED FIRE HYDRANT



ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
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Fax: (845) 634-6543
E-mail: info@atzy.com
Web: www.atzy.com

PROJECT:
SUEZ WATER NEW YORK, INC.
ARCHER WELLS 1 & 2

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
TREE PLAN

DRAWN BY:	LF	CHECKED BY:	JRA
DATE:	JULY 16, 2021	SCALE:	1" = 30 FT.
PROJECT NO.:	4875	DRAWING NO.:	5

*UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MEANING A LICENSED LAND SURVEYOR'S EMPLOYER SHALL BE A VIOLATION OF SECTION 2203 OF THE EDUCATION LAW OF THE STATE OF NEW YORK. THE PROFESSIONAL ENGINEER, ENGINEER-IN-TRAINING OR SURVEYOR MARKED WITH THE LAND SURVEYOR'S EMPLOYER SHALL BE CONSIDERED TO BE A VIOLATION OF THE EDUCATION LAW OF THE STATE OF NEW YORK. ANY PERSON ALIEN TO THESE REGULATIONS OR THE ACCOMPANYING GROUP OF RULES, UNLESS OTHERWISE INDICATED BY THE PROFESSIONAL ENGINEER, ENGINEER-IN-TRAINING OR SURVEYOR, SHALL BE CONSIDERED TO BE A VIOLATION OF THE EDUCATION LAW OF THE STATE OF NEW YORK. THE PROFESSIONAL ENGINEER, ENGINEER-IN-TRAINING OR SURVEYOR SHALL BE RESPONSIBLE FOR THE FULL EXTENT OF THE INFORMATION ON THE DRAWING AND/OR IN THE SPECIFICATIONS. (NY'S EDUCATION LAW SECTION 2203-2)

STATE OF NEW YORK
JULY 16 2021
N.Y.S. REG. NO. 09066

STATE OF NEW YORK
JULY 16 2021
N.Y.S. REG. NO. 00228



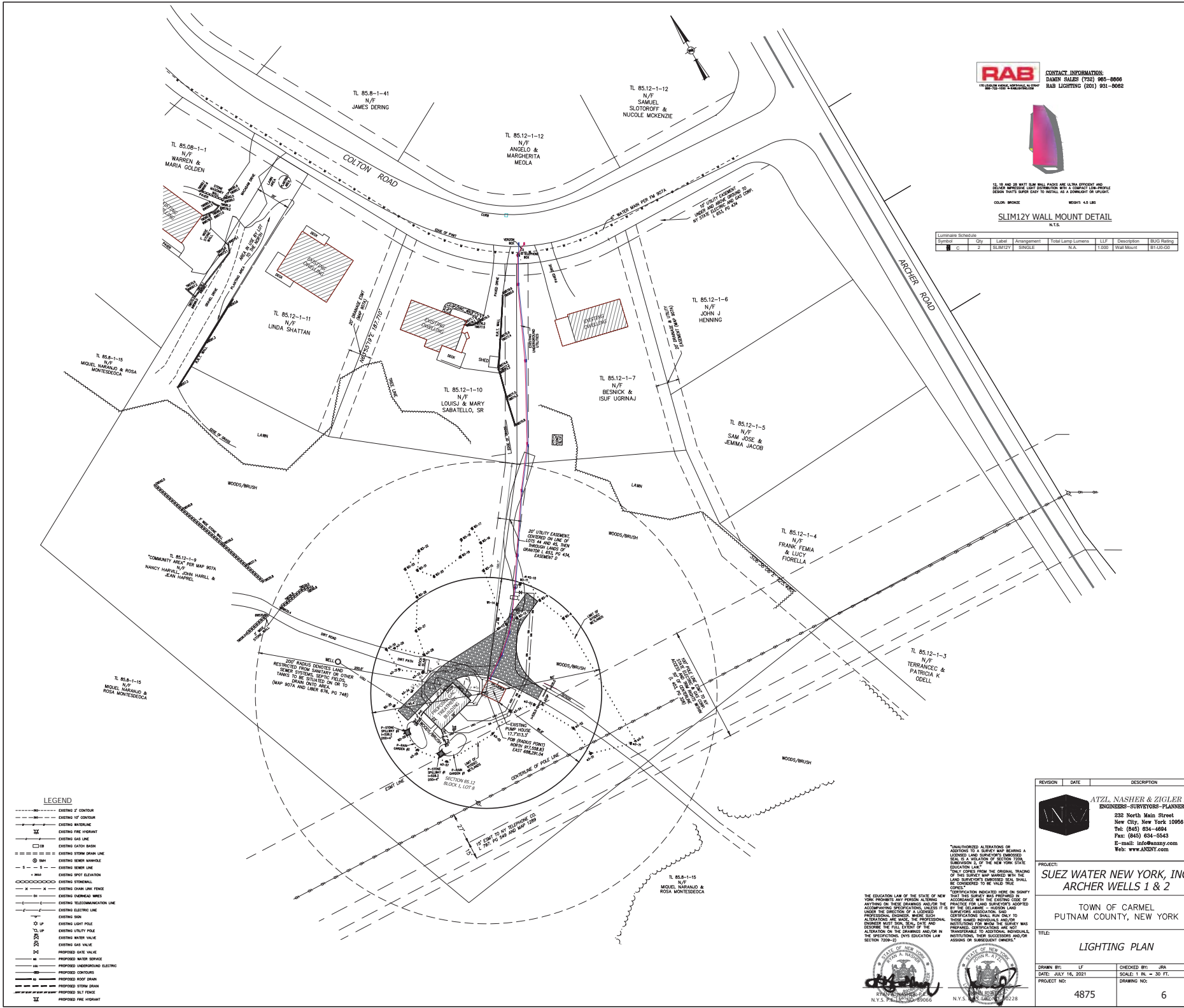
CONTACT INFORMATION:
 DAMIN SALES (732) 965-9866
 RAB LIGHTING (201) 451-9062



12, 18 AND 24 WATT DIM WALL MOUNTS ARE ULTRA EFFICIENT AND
 DIMENSIONS ARE LISTED AS A REFERENCE ONLY. DIMENSIONS
 SHOWN THATS SUPER EASY TO INSTALL AS A DOWNLIGHT OR UPLIGHT.
 COLOR: BRONZE WEIGHT: 4.5 LBS

SLIM1212 WALL MOUNT DETAIL
 N.T.S.

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LEF	Description	BUG Rating
■	2	SLIM1212	SINGLE	N.A.	1:000	Wall Mount	ET-100-20



LEGEND

- EXISTING IF CONTOUR
- EXISTING 1/2" CONTOUR
- EXISTING 1/4" CONTOUR
- EXISTING WATERSHED
- EXISTING FIRE HYDRANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING SPOT ELEVATION
- EXISTING STORMWALL
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRE
- EXISTING RECOMMENDATION LINE
- EXISTING ELECTRIC LINE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- PROPOSED GAS VALVE
- PROPOSED WATER SERVICE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED CONTOUR
- PROPOSED ROOF DRAIN
- PROPOSED STORM DRAIN
- PROPOSED 6" FENCE
- PROPOSED FIRE HYDRANT

REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-4694
 Fax: (845) 634-5543
 E-mail: info@atzy.com
 Web: www.ANZNY.com

PROJECT:
 SUEZ WATER NEW YORK, INC.
 ARCHER WELLS 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE:
 LIGHTING PLAN

DRAWN BY: LF	CHECKED BY: JRA
DATE: JULY 16, 2021	SCALE: 1" = 30 FT.
PROJECT NO: 4875	DRAWING NO: 6

"UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMPLOYED SEAL IS A VIOLATION OF SECTION 2209, EDUCATION LAW OF THE STATE OF NEW YORK. ANY SUCH VIOLATION IS A VIOLATION OF SECTION 2209, EDUCATION LAW OF THE STATE OF NEW YORK. THE SIGNATURE OF THE SURVEYOR ON THE ORIGINAL TRACING OF THIS SURVEY MAP BEARING THE LAND SURVEYOR'S EMPLOYED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES."

"THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING GROUP OF INSTRUMENTS IF SUCH ALTERATIONS ARE MADE BY A PROFESSIONAL ENGINEER, ENGINEER-IN-TRAIN OR SURVEYOR. ANY SUCH ALTERATIONS SHALL BE LIMITED TO THE CORRECTION OF CLERICAL MISTAKES AND/OR TO THE EXTENT OF THE ORIGINAL INSTRUMENTS FOR WHICH THE SURVEYOR HAS PREPARED. CERTIFICATIONS ARE NOT BINDING ON THE DRAWINGS AND/OR INSTRUMENTS, THEIR SUCCESSORS AND/OR ASSIGNS OR SUBSEQUENT OWNERS."

STATE OF NEW YORK
 COUNTY OF PUTNAM
 J. RAYMOND JARA
 N.Y.S. License No. 10000-9906

STATE OF NEW YORK
 COUNTY OF PUTNAM
 J. RAYMOND JARA
 N.Y.S. License No. 10000-990228