

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI, P.E.
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



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

BOARD MEMBERS

Edward Barnett
Anthony Federice
Emily Lavelle

ENVIRONMENTAL CONSERVATION BOARD AGENDA

MARCH 21, 2024 – 7:30 P.M.

SUBMISSION OF APPLICATION OR LETTER OF PERMISSION

<u>APPLICANT</u>	<u>ADDRESS</u>	<u>TAX MAP #</u>	<u>COMMENTS</u>
1. Veolia (formerly Suez) Water Mahopac Wells	Behind 34 Coventry Circle	76.20-2-68	Upgrades to Existing Well Site

MISCELLANEOUS

2. Veolia (formerly Suez) Water Mahopac Wells	Behind 34 Coventry Circle	76.20-2-68	Tree Cutting Permit Waiver Request
3. Minutes – 02/15/24			

LETTER OF TRANSMITTAL

DATE	03/15/2024	JOB NO.	4870
ATTENTION	Rose Trombetta		
RE:	Mahopac Wells 1, 2, 3		

TO Town of Carmel Environmental Conservation Board
60 McAlpin Avenue
Mahopac, NY 10541

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
4	3/15/2024	-	Cover letter requesting continuation of the wetlands permit review
4	6/24/2022	-	NYSDEC Permit
4	5/15/2023	-	ACOE Permit
4	2/12/2024	LM, 1-9	Site Plan
4	3/15/2024	-	Request letter to waive additional tree cutting review requirements

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution
 As requested Returned for corrections Return _____ corrected prints
 For review and comment _____
 FOR BIDS DUE _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Please place this project for two separate items on the upcoming 3/21 ECB meeting agenda:

1. Continuation of the wetlands permit review
2. Consideration of request to waive additional tree cutting review requirements

If you require anything further, or if you have any questions please feel free to contact our office. Thank you.

COPY TO Steve Garabed (Veolia)

SIGNED: Ramya Ramanathan

CREAMER

J. FLETCHER CREAMER & SON, INC.
POWERED BY **API Group**

March 21, 2024

Chairman Robert Laga and Members of the Town of Carmel
Environmental Conservation Board
60 McAlpin Avenue
Mahopac, NY 10541

RE: Mahopac Well Site
Behind 34 Coventry Circle
Mahopac, NY 10541
Tax Map #75.20-2-68
Tree Cutting Permit Waiver Request

Dear Chairman Laga and Environmental Conservation Board Members,

The tree cutting permit for the Mahopac Well Site (Tax Map #75.20-2-68) on property owned by the Hunters Run Homeowners Association, Inc. (the "HOA") was approved and issued February 8, 2022 (see attached). J. Fletcher Creamer & Son (JFC), contracted by Veolia North America, has completed the scope outlined on the original Tree cutting permit within the allowable timeframe on the permit. Since the work has been completed, the HOA and Veolia North America have entered into an agreement which incorporates shifting the GAC Treatment Building location approximately 62 ft south which will require the additional clearing of 19 total trees. The ACOE and DEC permits obtained for this project will not change due to the removal of these additional trees.

JFC is requesting a waiver from review of additional tree cutting requirements and that the permit be extended to April 1, 2024 in order to allow the additional tree removal to proceed immediately. The timing of such work is critical because it must be completed by March 31st in order to abide to the allowable timeframe outlined in the DEC permit.

Veolia has been ordered by the New York State Department of Health to install PFAS treatment at all of its sites that don't meet the current 10 ppt standard for PFOA and PFOS, which was adopted by the Department in 2020. In March of 2023 the EPA issued draft drinking water standards for PFAS compounds which proposed, amongst other things, the lowering of the maximum contaminant levels for PFOA and PFOS to 4 ppt. It is anticipated that the EPA will issue the final drinking water standards very soon. There is currently temporary treatment on site, and Veolia is working diligently to install the required permanent treatment at its facilities as quickly as possible and must complete its work by March 31st in order to timely fulfill DOH's standard for PFAS treatment.

Please note that Veolia has pending before the Planning Board an application for a conditional use permit and site plan approval based on the plans that resulted from its agreement with the HOA, which we understand is being referred to your board for review and recommendation. Veolia anticipates addressing all aspects of the plans at future meetings of your board.

Thank you,



Thomas Hercel
Project Manager | J. Fletcher Creamer & Son, Inc.
101 East Broadway | Hackensack, NJ 07601
C: 201-470-1960
WWW.JFCSON.COM

JFCSON.COM

ROBERT LAGA
Chairman

NICHOLAS FANNIN
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ROSE TROMBETTA
Secretary

RICHARD FRANZETTI
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Edward Barnett
Anthony Federice
Nicole Sedran

TREE CUTTING PERMIT

Applicant's Name & Telephone #: **J. Fletcher Creamer & Sons - 551-206-9945**

Applicant's Address: **101 East Broadway, Hackensack, NJ 07601**

Property Address: **Behind 34 Coventry Circle, Mahopac, NY 10541**

Tax Map Number: **75.20-2-68**

Owner of Property & Telephone #: **Suez Water New York Inc. - Mahopac Well Site - 201-538-0690**

Owner's Address: **162 Old Mill Road, West Nyack, NY 10944**

Total Land Area Involved: **53.50 AC - Only .09 AC for tree cutting**

Number of trees of each species to be cut, range in diameter at breast

height and total board feet: **14 total trees. 4 Maple, 2 Ash, 1 Oak, 3 Beech and 4 Poplar from 6 inches in diameter to 24 inches in diameter.**

Special Conditions to Permit

N/A

Fee (\$500.00 up to 5 acres)

Paid: \$500.00 - Check #189442

Date Permit Issued: February 8, 2022

Exp. Date: February 8, 2023

Signature of Owner of Property:

A handwritten signature in black ink, appearing to be "DAVID KIMMUND", written over a horizontal line.

Signature of Applicant:

David Kimmund



March 15, 2024

To: Mr. Robert Laga, Chairman
Town of Carmel Environmental Conservation Board (ECB)

Re: Request for continuation of ECB review for Veolia North America, United States
(formerly Suez) – Mahopac Wells 1, 2 & 3 (Behind 34 Coventry Circle, Mahopac, NY 10541)

Cc: Ms. Rose Trombetta, Secretary

Dear Mr. Laga:

This letter is to request the Town of Carmel Environmental Conservation Board (ECB) to resume their review of the wetland permit application for the above referenced project. This project received Planning Board referral to the ECB for site plan and conditional use review.

The project last appeared before the ECB on March 17, 2022. At this meeting, no action was taken due to the then ongoing discussions between the Hunters Run Homeowners Association (HOA) and Veolia North America.

The Hunters Run HOA and Veolia North America have concluded these discussions and entered into an agreement. The following changes to the site plan have been incorporated due to this agreement between the Hunters Run HOA and Veolia North America:

1. GAC Treatment Building relocated approximately 62 feet to the south of the location shown on the Original Plans.
2. GAC Treatment Building shown on the Revised Plan will have a peak elevation which is five feet lower than that of the corresponding building depicted on the Original Plans.
3. Note has been added on site plan stating that white trailer (the "Treatment Trailer") will be removed within 20 days after construction of the GAC Treatment Building.
4. Area beneath the Treatment Trailer will be landscaped with grass when the trailer is removed.

Veolia Water New York, Inc.
162 Old Mill Road
West Nyack, NY 10994
tel. +1 877 426 8969
fax + 845 620 3347

mywater.veolia.us/new-york



5. Proposed landscaping has been extended on the east side of GAC Treatment Building up to its new current location.
6. The following note has been added to the site plan - "In its attempts to meet New York State Department of Health regulations more quickly, Veolia ordered the building in the green color previously found provisionally acceptable to (but not finally approved by) the Planning Board. The HOA prefers the color Fairview Taupe (Benjamin Moore, HC-85). If this color is acceptable to and approved by the Planning Board, VEOLIA will paint the GAC Treatment Building and existing Pump House Fairview Taupe (Benjamin Moore, HC-85) within three months of the final landscaping installation."
7. Motion sensor light has been proposed on the site plan.

Thank you for your cooperation in this matter.

Very Truly Yours,

A handwritten signature in black ink that reads 'Maria Stepanova'. The signature is written in a cursive style and is positioned above a horizontal line.

Maria Stepanova, P.E.

Senior Engineer

VEOLIA NORTH AMERICA, UNITED STATES

Veolia Water New York, Inc.
162 Old Mill Road
West Nyack, NY 10994
tel. +1 877 426 8969
fax + 845 620 3347

mywater.veolia.us/new-york

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 3
21 South Putt Corners Road, New Paltz, NY 12561-1620
P: (845) 256-3054 | F: (845) 255-4659
www.dec.ny.gov



**Department of
Environmental
Conservation**

IMPORTANT NOTICE TO ALL PERMITTEES

The permit you requested is enclosed. Please read it carefully and note the conditions that are included in it. The permit is valid for only that activity expressly authorized therein; work beyond the scope of the permit may be considered a violation of law and be subject to appropriate enforcement action. Granting of this permit does not relieve the permittee of the responsibility of obtaining any other permission, consent or approval from any other federal, state, or local government which may be required.

Please note the expiration date of the permit. Applications for permit renewal should be made well in advance of the expiration date (minimum of 30 days) and submitted to the Regional Permit Administrator at the above address. For SPDES, Solid Waste and Hazardous Waste Permits, renewals must be made at least 180 days prior to the expiration date.

The DEC permit number & program ID number noted on page 1 under "Permit Authorization" of the permit are important and should be retained for your records. These numbers should be referenced on all correspondence related to the permit, and on any future applications for permits associated with this facility/project area.

If a permit notice sign is enclosed, you must post it at the work site with appropriate weather protection, as well as a copy of the permit per General Condition 1.

If you have any questions on the extent of work authorized or your obligations under the permit, please contact the staff person indicated below or the Division of Environmental Permits at the above address.

Frank Benedetto

Frank Benedetto

Division of Environmental Permits, Region 3
Telephone (845) 256-0208
Frank.benedetto@dec.ny.gov



**Department of
Environmental
Conservation**



PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
SUEZ WATER NEW YORK INC

162 OLD MILL RD
WEST NYACK, NY 10994-1743
(845) 623-1500

Facility:
MAHOPAC WELL - SUEZ - PFAS
COMPLIANCE
161 Buckshollow Rd
Carmel, NY 10541

Facility Application Contact:
STEVEN SMITH
207 SENATE AVE
CAMP HILL, PA 17011
(717) 886-5413

Facility Location: in CARMEL in PUTNAM COUNTY

Facility Principal Reference Point: NYTM-E: 605.063 NYTM-N: 4579.786
Latitude: 41°21'45.8" Longitude: 73°44'37.9"

Authorized Activity: This permit authorizes approximately 15,236 square feet (0.35 acres) of temporary disturbance and approximately 12,991 square feet (0.30 acres) of permanent disturbance to the 100-foot adjacent area of NYS Freshwater Wetland CF-1, Class 2, and 1,531 square feet (0.04 acres) of temporary disturbance and 8 square feet (0.00018 acres) of permanent disturbance to the wetland in association with the construction of a GAC building, influent pipe, effluent pipe, an underground electric conduit, a 12' driveway, and the replacement of submersible pumps at 3 wells.

Permit Authorizations

Freshwater Wetlands - Under Article 24

Permit ID 3-3720-00473/00001

New Permit

Effective Date: 6/24/2022

Expiration Date: 12/31/2027

Water Quality Certification - Under Section 401 - Clean Water Act

Permit ID 3-3720-00473/00002

New Permit

Effective Date: 6/24/2022

Expiration Date: 12/31/2027



NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: CHRISTOPHER LANG, Deputy Regional Permit Administrator
Address: NYSDEC Region 3 Headquarters
21 S Putt Corners Rd
New Paltz, NY 12561

Authorized Signature: _____ Date ___/___/___

Distribution List

STEVEN SMITH
Sarah Pawliczak; NYSDEC Bureau of Ecosystem Health
Brian Orzel; USACE
Jillian Arnold; Gannett Fleming
Chris Graziano; SUEZ Water New York Inc.
Maria Tupper-Goebel; NYCDEP
Town of Carmel

Permit Components

NATURAL RESOURCE PERMIT CONDITIONS
WATER QUALITY CERTIFICATION SPECIFIC CONDITION
GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS
NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS



Permit Attachments

Permit Sign

NATURAL RESOURCE PERMIT CONDITIONS - Apply to the Following Permits: FRESHWATER WETLANDS; WATER QUALITY CERTIFICATION

- 1. Conformance With Plans** All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by the Town of Carmel entitled "Overall Site Plan", "Owners Within 500 Ft. List", "Existing Condition", "Grading Plan", "Erosion & Sediment Control Plan", "Tree & Landscape Plan", and "Lighting Plan", last revised 11/15/2022.
- 2. Post Permit Sign** The permit sign enclosed with this permit shall be posted in a conspicuous location on the worksite and adequately protected from the weather.
- 3. Install Controls as Shown on Plans** Prior to commencement of the activities authorized herein, the permittee shall install securely anchored silt fencing and/or continuous staked straw bales as shown on the plans or drawings referenced in this permit.
- 4. Notice of Intent to Commence Work** The permittee or their representative must notify Sarah Pawliczak of the DEC Bureau of Ecosystem Health via email (sarah.pawliczak@dec.ny.gov) no less than 48 hours prior to the commencement of work.
- 5. Maintain Erosion Controls** These erosion control devices shall be maintained until all disturbed land is fully vegetated to prevent any silt or sediment from entering the freshwater wetland or its adjacent area. Silt fencing, hay bales and any accumulated silt or sediment shall be completely removed for disposal at an appropriate upland site.
- 6. Clean Fill Only** All fill shall consist of clean soil, sand and/or gravel that is free of the following substances: asphalt, slag, flyash, broken concrete, demolition debris, garbage, household refuse, tires, woody materials including tree or landscape debris, and metal objects. The introduction of materials toxic to aquatic life is expressly prohibited.
- 7. Invasive Species (Non-native Vegetation)** To prevent the unintentional introduction or spread of invasive species, the permittee must ensure that all construction equipment be cleaned of mud, seeds, vegetation and other debris before entering any approved construction areas within the state regulated freshwater wetland or its 100 foot adjacent area.
- 8. Seed, Mulch Disturbed Areas** All areas of soil disturbance resulting from this project shall be seeded with an appropriate perennial grass, and mulched with straw immediately upon completion of the project, within two days of final grading, or by the expiration of the permit, whichever is first.



9. Disposal of Material Any demolition debris, excess construction materials, and/or excess excavated materials shall be immediately and completely disposed of on an approved upland site more than 100 feet from any regulated waterbody or wetland. These materials shall be suitably stabilized so as not to re-enter any water body, wetland, or wetland adjacent area; and must be disposed of in accordance with all local, state, and federal statutes, regulations, or ordinances.

10. Time of Year Restriction for Tree Cutting Any tree cutting must occur during the winter timeframe between November 1 1 and March 31, in any given year, in order to avoid adverse impacts to NYS endangered/threatened bat species.

11. State Not Liable for Damage The State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.

12. Prior Approval of Changes If the permittee desires to make any minor changes to the scope of work shown in the approved plans referenced in Natural Resource Permit Condition 1, the permittee shall submit a request via email to Sarah Pawliczak of the DEC Bureau of Ecosystem Health (Sarah.pawliczak@dec.ny.gov) to make such proposed changes. The proposed changes shall not be implemented unless authorized in writing by the Department. Issuance of such approval without modification of the permit is at the Department's discretion.

13. State May Order Removal or Alteration of Work If future operations by the State of New York require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.

14. State May Require Site Restoration If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may lawfully require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.

15. Precautions Against Contamination of Waters All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.



WATER QUALITY CERTIFICATION SPECIFIC CONDITIONS

1. Water Quality Certification The authorized project, as conditioned pursuant to the Certificate, complies with Section 301, 302, 303, 306, and 307 of the Federal Water Pollution Control Act, as amended and as implemented by the limitations, standards, and criteria of state statutory and regulatory requirements set forth in 6 NYCRR Section 608.9(a). The authorized project, as conditioned, will also comply with applicable New York State water quality standards, including but not limited to effluent limitations, best usages and thermal discharge criteria, as applicable, as set forth in 6 NYCRR Parts 701, 702, 703, and 704.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. Facility Inspection by The Department The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. Relationship of this Permit to Other Department Orders and Determinations Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. Applications For Permit Renewals, Modifications or Transfers The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 3 Headquarters
21 S Putt Corners Rd
New Paltz, NY12561

4. Submission of Renewal Application The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Freshwater Wetlands, Water Quality Certification.



5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

- a. materially false or inaccurate statements in the permit application or supporting papers;
- b. failure by the permittee to comply with any terms or conditions of the permit;
- c. exceeding the scope of the project as described in the permit application;
- d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.



Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



New York State
Department of Environmental Conservation



NOTICE



The Department of Environmental Conservation (DEC) has issued permit(s) pursuant to the Environmental Conservation Law for work being conducted at this site. For further information regarding the nature and extent of work approved and any Department condition on it, contact the DEC at 845-256-3054 or dep.r3@dec.ny.gov. Please refer to the permit number shown when contacting the DEC.

Permittee: SUEZ Water New York Inc.

Permit No. 3-3170-00473/00001

Effective Date: 6/24/2022

Expiration Date: 12/31/2027

Applicable if checked. No instream work allowed between October 1 & April 30

NOTE: This notice is **NOT** a permit.

Arnold, Jillian N.

From: Orzel, Brian A CIV USARMY CENAN (USA) <Brian.A.Orzel@usace.army.mil>
Sent: Monday, May 15, 2023 5:58 PM
To: Arnold, Jillian N.
Cc: Smith, Steven C.; Liskovich, Sophia Z.
Subject: RE: [DoD SAFE] ORZEL.BRIAN.ALBERT has picked up your drop-off!
Attachments: NWP Regulations FR 27DEC21.pdf; NWP Regional Conditions PN 11FEB22.pdf

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Jillian,

We received the pre-construction notification for NWP 3 for the above referenced project on March 13, 2023.

Due to my excessive work load, I was unable to provide a written determination within 45 days of its submission.

In accordance with the current nationwide general permit regulations (Federal Register dated December 27, 2021, pages 73522 to 73583), if the Corps of Engineers district does not respond to a pre-construction notification within 45 days of receipt, then the applicant may proceed with the project as proposed.

That means that the applicant must perform the work as proposed in your pre-construction notification, including any required mitigation. Any substantive changes to the project would require the applicant to submit a new notification to this office.

If you have any questions, let me know.

Brian

Brian A. Orzel
Senior Regulatory Project Manager, Civil Engineer
NY District US Army Corps of Engineers
Regulatory Branch
26 Federal Plaza, Room 16-406
New York, New York 10278-0090

Please note in order to ensure our continuity of operations and improve the timeliness of permit application reviews due to the on-going COVID-19 virus, the New York District, U.S. Army Corps of Engineers is requiring that all new permit applications be submitted to the New York District electronically at CENAN-R-Permit-App@usace.army.mil. Until further notice, the New York District will no longer process any paper permit applications.

From: Arnold, Jillian N. <jarnold@GFNET.com>
Sent: Monday, May 1, 2023 3:29 PM

To: Orzel, Brian A CIV USARMY CENAN (USA) <Brian.A.Orzel@usace.army.mil>
Cc: Smith, Steven C. <scsmith@GFNET.com>; Liskovich, Sophia Z. <sliskovich@GFNET.com>
Subject: [URL Verdict: Neutral][Non-DoD Source] FW: [DoD SAFE] ORZEL.BRIAN.ALBERT has picked up your drop-off!

Good afternoon Brian,

I just wanted to check in with you on the 45 day review period for these projects submitted in March. I know that your workload has been very busy. I just wanted to ask to find out where on the timeline we were as I know these projects were at a point where they were waiting on approvals prior to completing work.

Thank you very much for your time on these projects.
Have a great day.
Jillian

Jillian Arnold, PWS | Senior Project Environmental Scientist
Gannett Fleming | 207 Senate Avenue, Camp Hill, PA 17011
o 717.886.5402 | c 717.422.6229 | jarnold@gfnet.com

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From: NoReplyTo@mail.mil <NoReplyTo@mail.mil>
Sent: Monday, March 13, 2023 3:53 PM
To: Arnold, Jillian N. <jarnold@GFNET.com>
Subject: [DoD SAFE] ORZEL.BRIAN.ALBERT has picked up your drop-off!

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This is an automated message sent to you by the DoD SAFE service.

The drop-off you made (claim ID: hf4fvf9JFzF3HMAs) has been picked-up.

The file "USACE NWP3 PCN Package March 13 2023 - Archer Well.pdf" was picked up by you, the sender.

Note: You will not be notified about any further pick-ups of files in this drop-off by this recipient.

Full information about the drop-off:

Claim ID: hf4fvf9JFzF3HMAs
Drop-off Submitted: 2023-03-13 18:46:25 UTC
Drop-off Completed: 2023-03-13 18:46:31 UTC

Note:

Please copy all files to link before sending. It will only let you send once.

— Sender —

Name: Jillian Arnold
Organization: Guest
Email Address: jarnold@gfnet.com

— Files —

Name: USACE NWP3 PCN Package March 13 2023 - Archer Well.pdf
Description: Veolia Archer NWP PCN
Size: 42.1 MB
SHA-256 Checksum: F7A8E14D6D8CFC84170469CA0B749498821DB5C5E7C317AA0F44FAAF010C96FF
Content Type: application/pdf

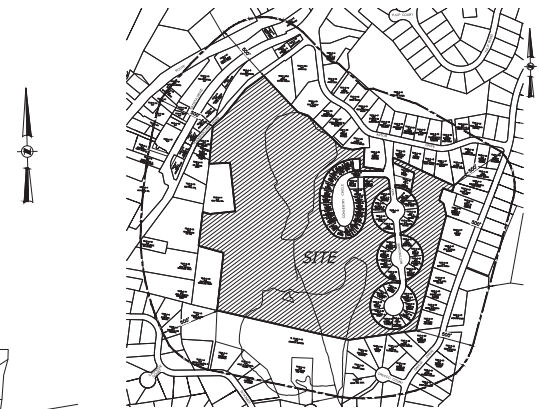
Name: USACE NWP3 PCN Package March 13 2023 - London Bridge Well.pdf
Description: Veolia London Bridge NWP PCN
Size: 57.2 MB
SHA-256 Checksum: 31EF92C444A41F3BC718B2F7F3F3FFECD7AB9BD0FAF8BD5CB32A950C464C92A9
Content Type: application/pdf

Name: USACE NWP3 PCN Package March 13 2023 - Mahopac Well.pdf
Description: Veolia Mahopac NWP PCN
Size: 48.1 MB
SHA-256 Checksum: 923695EF74EC0C13904874F1131397EBB81287ADE73CD9DD11E929575DE40BAE
Content Type: application/pdf

Name: USACE NWP3 PCN Package March13 2023 - Geymer Well.pdf
Description: Veolia Geymer NWP PCN
Size: 50.1 MB
SHA-256 Checksum: F6BDB4C689E2AA3250911AB8168A0669B12D7ABA0BCBF190F59072E40647D033
Content Type: application/pdf

OWNERS WITHIN 500 FEET:

75.16-1-1	GEORGE P & TRACEY E SALIANO 149 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-1-41	MATTHEW & CAROLYN TURRONE 153 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-29	JACK D. & ROBIN M ZENDECK 33 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-2	JOHN BATTISTA 157 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-11	ROBERT VOGL 6 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-30	DOUGLAS J & MARGAU C. HOKEY 37 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-3	JOHN BATTISTA 165 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-11	DONALD E & MEGAN M HARNETT 12 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-31	ARTHUR & MARIA L CERBONE 30 NOTTINGHAM WAY MAHOPAC, NY 10541
5.16-1-4	KALNER HREVOC LIVING TRUST 163 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-12	TOWN OF CARMEL 60 MCALPIN AVENUE MAHOPAC, NY 10541	75.16-2-32	TERENCE & KRISTEN WOEKE 41 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-6	ZOLA V MATAOLO & MANUEL L CHILLOGALLI 173 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-13	DIANE KISSH 22 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-33	JOSEPH & CAROLANN LACAPARRA 43 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-8	CHARLES MARINA INC 807 SOUTH LAKE ROAD MAHOPAC, NY 10541	75.16-2-14	HUNTER JAYSON LLC 22 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-34	JENNIFER A. & ANDREW T. DWYER 44 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-9	SOTEROS & RENE KAMOUSLIS 153 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-15	FRANK GIUNTI 30 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-35	ELVIS & APRIL J LUMMC 42 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-10	JAMES MCABEE PO BOX 472 BALDWIN PLACE, NY 10505	75.16-2-16	WAYNE & SUSAN SPEAR 36 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-36	SCOTT M. CROHN 40 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-15	BRIS BROADWAY 465 ROUTE 6 MAHOPAC, NY 10541	75.16-2-17	DOMENICK & LOUISE SACCHITELLO 44 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-37	JAMES CLIBERTI & VERONICA PAULITA 32 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-16	HILTOP MANOR REALTY CORP. 466 ROUTE 6 MAHOPAC, NY 10541	75.16-2-18	FRANK & LISA DIAZDINO 30 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-38	ANTHONY & ANGILO DEMATTEO 36 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-17	HILTOP MANOR REALTY CORP. 466 ROUTE 6 MAHOPAC, NY 10541	75.16-2-19	JOHN & LINDA NAINNA 51 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-39	DAN & HELENKIE ZWILGENSKY 32 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-18	ACHILES DIAPOLI 441 ROUTE 6 MAHOPAC, NY 10541	75.16-2-20	LINDA RODRIGUEZ & ERICA RIVERA 58 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-40	KENNETH L. & JANET SCHWIGLER 28 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-19	FNB PROPERTIES, LLC 44 BLOOMER ROAD MAHOPAC, NY 10541	75.16-2-21	KEVIN & MELBA DANRO 62 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-41	JEFFREY & ANTONETTA WEDER 26 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-20	THOMAS & GENE SIMONE 150 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-22	VALDIR KUNCA & BOHUSLKA KUNCOVA 63 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-42	MATTHEW & SAMANTHA A. CLARK 24 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-21	THOMAS & GENE SIMONE 150 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-23	PAOLINIA GEORGE BREV TRUST 74 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-43	DONNA ROSSOMANDO 18 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-22	SCOTT NYHARD 427 ROUTE 6 MAHOPAC, NY 10541	75.16-2-24	HERBERT F JR & JANE W HILLERY 75 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-44	ADAM & LAN PHAM 18 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-24	JACVRY REALTY CORP. 427 ROUTE 6 MAHOPAC, NY 10541	75.16-2-25	JOHN & PHILIP DIAPOLI 64 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-45	JOSEPH M. & MARLENE S. CAMARRO-VOGL 14 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-27	MEIRA REAL ESTATE LLC 10 SOUTH WESSON LANE MAHOPAC, NY 10541	75.16-2-26	BIRNS FAMILY BREV TRUST # 5 SOUTH WESSON LANE MAHOPAC, NY 10541	75.16-2-46	PETER J. & TERESA M. CARABELLO 12 NOTTINGHAM WAY MAHOPAC, NY 10541
75.16-1-28	BOHANEL & ROZALIE FLIP 5 BATTISTA DRIVE MAHOPAC, NY 10541	75.16-2-27	NICOLE STEIN & MICHAEL & BARLE 888 ROUTE 6 MAHOPAC, NY 10541	75.16-2-47	JEFFREY A. & KATHLEEN A. TUTTLE 8 COVENTRY CR MAHOPAC, NY 10541
75.16-1-29	SANTA & ROBERT PORTINO 7 BATTISTA DRIVE MAHOPAC, NY 10541	75.16-2-28	ITALIAN AMERICAN CLUB INC PO BOX 83 MAHOPAC, NY 10541	75.16-2-48	VERNA H. HILL & FAROUKH 13 COVENTRY CR MAHOPAC, NY 10541
75.16-1-30	THOMAS SIMONE 150 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-29	ADRIANA CERQUERIA PO BOX 789 ORSTON FALLS, NY 10019	75.16-2-49	BIL BENEULLO 15 COVENTRY CR MAHOPAC, NY 10541
75.16-1-41	ANTHONY & ROSE FABIANO 124 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-30	TINA MARE RAPISARDA 85 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-50	DIABATELA FAMILY TRUST 17 COVENTRY CR MAHOPAC, NY 10541
75.16-1-60.1	JOHN PARK 7 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-31	JAMES & ROBERTA PAGANO 89 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-51	BARBARA O'BRIEN 19 COVENTRY CR MAHOPAC, NY 10541
75.16-1-60.2	JORGE & RUFFINA TEJADA 190 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-32	MICHAEL HART & DIANA SMOYNER 93 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-52	CHARLES H. & PAMELA E. BLECKER 21 COVENTRY CR MAHOPAC, NY 10541
75.16-1-59	PAUL & KELLY HARRIS 15 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-53	ROBERT & LIANA GERTZER PO BOX 797 MAHOPAC, NY 10541	75.16-2-54	DANIEL & JEAN MARIE SHERIDAN 23 COVENTRY CR MAHOPAC, NY 10541
75.16-1-58	ERNESTO & GLOMERAR LOPEZ 21 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-55	EDELITH GARCIA PO BOX 797 MAHOPAC, NY 10541	75.16-2-55	KATHY SONENBERG 27 COVENTRY CR MAHOPAC, NY 10541
75.16-1-57	AYANA MIHALES & ORAN NESEBET AYUSO 27 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-56	JOHN & DONNA BENVIN 107 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-56	JOY CONF-LINC CT WEST DISTRICT ATIN AP CASTANO 2 S CONOVER AVE WHITE PLAINS, NY 10606
75.16-1-56	MARK & LURANG WHITERS 31 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-57	RICHARD & BRIGET CERVONE 12 DANILA DRIVE MAHOPAC, NY 10541	75.16-1-30	PATRIK & CATHERINE TARPEY 74 DANILA DRIVE MAHOPAC, NY 10541
75.16-1-55	JOSHUA & SAMANTHA MOSER 37 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-58	HIGH JEN & MELBA BERNARDI 150 DANILA DRIVE MAHOPAC, NY 10541	75.16-1-13	LINDA H. VERDE 44 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-54	JAMES & PATRICIA MOODMAN 41 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-59	FRANK TRISTO DESIRO 120 DANILA DRIVE MAHOPAC, NY 10541	75.16-1-12	STEPHEN A. & MARY BETH WRABEL 50 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-50	LAWRENCE & KATHLEEN KEANE 31 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-60	GEORGY A. WILLIAMS & MILRED CROSTON MAHOPAC, NY 10541	75.16-1-11	MARIE A. RIZZO 54 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-49	CARLEEN PROSSA 58 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-61	DEBORAH A. ATLAS & DESSITAH WANDANA 11 NOTTINGHAM WAY MAHOPAC, NY 10541	75.16-1-10	QUBERT & LUIS BAKERSWILL 86 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-48	TIMOTHY OREN & KELLY HORAN 21 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-62	ANTHONY & ROSE M. FABIANO PO BOX 834 MAHOPAC, NY 10541	75.16-1-9	JOSEPH C. & JOHN G. MAGNOLTA 60 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-47	LOUIS & LINDA DAUDIO 65 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-63	DAVID & CARMEN GARCAU 22 COVENTRY CR MAHOPAC, NY 10541	75.16-1-8	QUBERT & LUIS BAKERSWILL 86 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-46	JOSEPH & ROSEANN BRUSSO 69 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-64	KEVIN & CATHLEEN BRONNE 21 NOTTINGHAM WAY MAHOPAC, NY 10541	75.16-1-7	JOSEPH C. & JOHN G. MAGNOLTA 60 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-45	MICHAEL & MARIANNE VICALE 73 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-65	MARK & PATRIC LUFF 29 NOTTINGHAM WAY MAHOPAC, NY 10541	75.16-1-6	ALJANDRO MERLINO 90 BLOOMER ROAD MAHOPAC, NY 10541
75.16-1-44	VINCENT & ANNAME VAGGIO 81 ASTOR DRIVE MAHOPAC, NY 10541	75.16-2-66	PATRIK M. & ALTHEA M. DALEY 31 NOTTINGHAM WAY MAHOPAC, NY 10541	75.16-2-1	STEPHEN MALLER 90 DANILA DRIVE MAHOPAC, NY 10541
75.16-1-43	JAMES & CAROLINE COOKE 140 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-67	JOSEPH & DEBORAH KRINOC 68 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-2	ANTHONY CHIARI & ERIN COXON 100 DANILA DRIVE MAHOPAC, NY 10541
75.16-1-42	JACOB & TRACY POSNAK 137 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-68	RICHARD & BRIGET CERVONE 12 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-70	JAN HOLDINGS CORP 124 BUCKS HOLLOW MAHOPAC, NY 10541
		75.16-2-71	VERNON NEW YORK INC PO BOX 2749 ADDITION, NY 75001	75.16-2-69	EDWIN & MARIE TRILLAS 60 DANILA DRIVE MAHOPAC, NY 10541
		75.16-2-72	VERNON NEW YORK INC PO BOX 2749 ADDITION, NY 75001	75.16-2-68	MICHAEL & DEBORAH MARION 77 DANILA DRIVE MAHOPAC, NY 10541
		75.16-2-73	BUCKHOLLOW LLC 122 4 BAUBERLEIN COURT MAHOPAC, NY 10541	75.16-2-67	RICHARD & KATHLEEN DIRUSSO 28 COVENTRY CR MAHOPAC, NY 10541
		75.16-2-74	WILLIAM & LOUISE DE GASPERI 100 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-66	MICHAEL & CATHERINE SCARABBA 2 CRESSCO COURT MAHOPAC, NY 10541
		75.16-2-75	JOHN LUDMENS REVOCCABLE TRUST 100 BUCKS HOLLOW ROAD MAHOPAC, NY 10541	75.16-2-65	PAMEL & MAROLINA ZABA 6 CRESSCO COURT MAHOPAC, NY 10541
		75.16-2-76	LINDA CARLUCCI 20 COVENTRY CR MAHOPAC, NY 10541	75.16-2-64	ZBENOVEN PIRAS PO BOX 312 BALDWIN PLACE, NY 10505
		75.16-2-77	JOHN LUDMENS REVOCCABLE TRUST 30 OREST ROAD MAHOPAC, NY 10541	75.16-2-63	JESS V DARA BERWITS 10 CRESSCO COURT MAHOPAC, NY 10541
		75.16-2-78	JENNIFER FISCHER 11 CRESSCO COURT MAHOPAC, NY 10541	75.16-2-62	MILJANO LONGO 11 CRESSCO COURT MAHOPAC, NY 10541
		75.16-2-79	MICHAEL J. & ELLEN O'BRIEN 18 COVENTRY CR MAHOPAC, NY 10541	75.16-2-61	GLEAD HILL CORP 230 GLENBORO AVENUE YONKERS, NY 10725
		75.16-2-80	DIANE SCHAVONE 64 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-60	SUEZ WATER NEW YORK PO BOX 7870 PHOENIX, AZ 85050
		75.16-2-81	JOSEPH & DEBORAH KRINOC 68 DANILA DRIVE MAHOPAC, NY 10541	75.16-2-59	MAREA T & LEE M DOBENS 108 DANILA DRIVE MAHOPAC, NY 10541



TAX MAP REFERENCE:
TOWN OF CARMEL TAX MAP
SECTION 75.20, BLOCK 2, LOT 68
ADDRESS:
BUCKS HOLLOW ROAD
MAHOPAC, NY 10541
AREA:
53.362 ACRES
DATELINE:
VERTICAL: NAD 1988
HORIZONTAL: NAD 1983, NEW YORK STATE
PLANE COORDINATE SYSTEM,
EAST ZONE

SUBDIVISION REFERENCES:

*MAP OF HUNTERS' ROOF FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON MARCH 28, 1988, AS MAP No. 2298.

REVISION	DATE	DESCRIPTION
7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
6	01-19-24	DRAINAGE REVISION PER BUILDING LAYOUT
5	05-02-22	ERRANDGE REVISION PER INFILTRATION TEST
4	02-25-22	PER PLANNING BOARD 2-10-22
3	02-07-22	PER 2-3-22 EOB MEETING
2	01-25-22	PER PW MTS. 1-11-22, PER EOB & PW SUBMISSION
1	11-15-21	PER PW MTS. 9-22-21

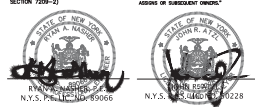
ATZL, NASHER & ZIGLER P.C.
ENGINEERS-SURVEYORS-PLANNERS
232 North Main Street
New City, New York 10956
Tel: (845) 634-4544
Fax: (845) 834-0543
E-mail: info@anzny.com
Web: www.anzny.com

MAHOPAC WELLS 1, 2 & 3

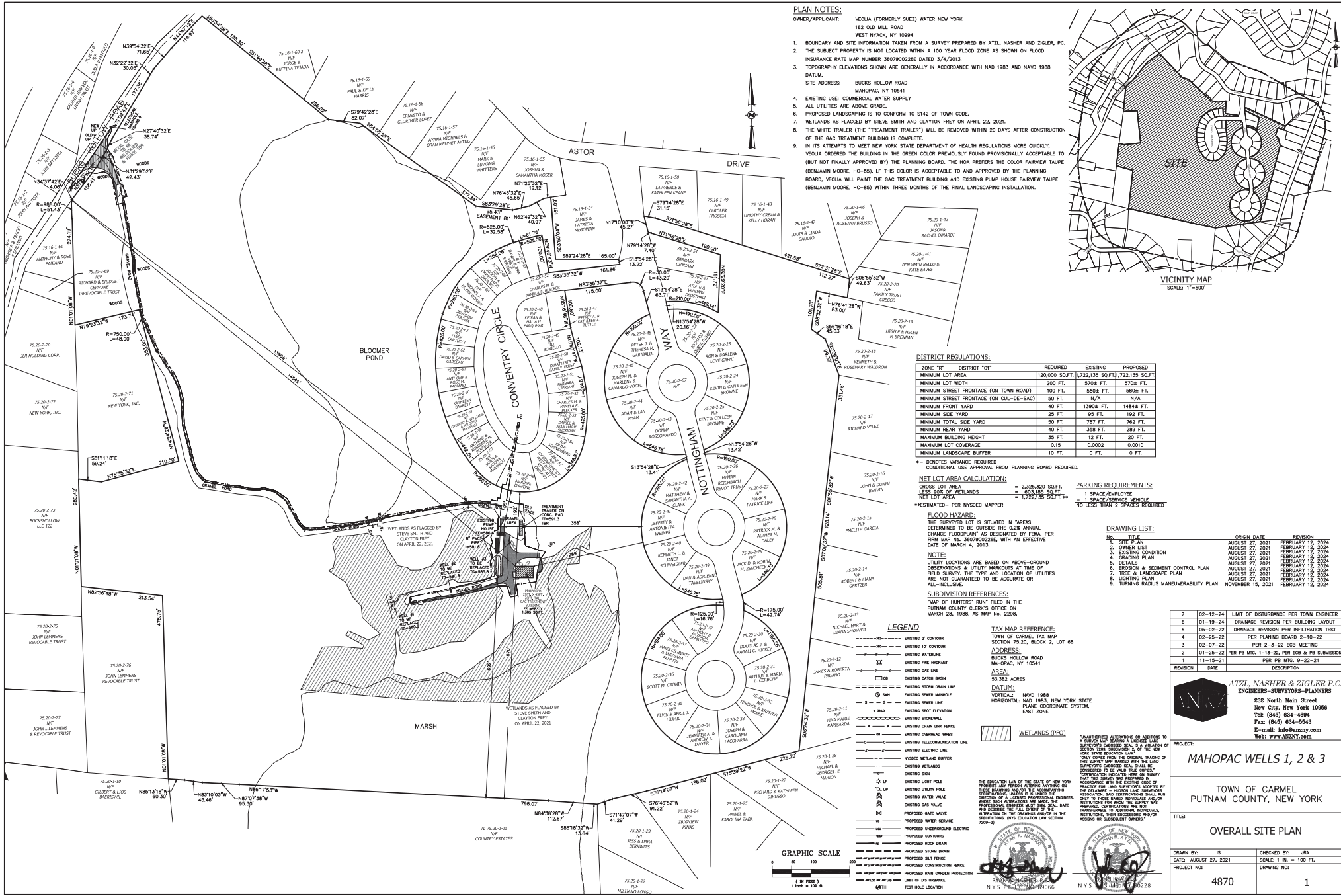
TOWN OF CARMEL, NEW YORK
PUTNAM COUNTY, NEW YORK

LOCATION MAP

DRAWN BY: IS	CHECKED BY: JRA
DATE: AUGUST 27, 2021	SCALE: AS SHOWN
PROJECT NO: 4870	DRAWING NO: LM



THE SEVERAL ALLEGATIONS OR STATEMENTS OF NEW YORK ENGINEERS ANY PERSON ALLEGEDLY MADE AND/OR PRINTED ON THESE DRAWINGS AND/OR IF THE PROFESSIONAL ENGINEERS OR SURVEYORS SIGN THESE DRAWINGS, THEY AGREE TO BE BOUND BY THE PROFESSIONAL LIABILITY INSURANCE POLICY OF THE PROFESSIONAL ENGINEERS AND SURVEYORS ASSOCIATION OF NEW YORK STATE, INC. (P.E.S.A.) WHICH PROVIDES THAT THE PROFESSIONAL ENGINEERS AND SURVEYORS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION ON THE DRAWINGS AND FOR THE SPECIFICATIONS, DESIGN, CONSTRUCTION AND OPERATION OF THE PROJECT.



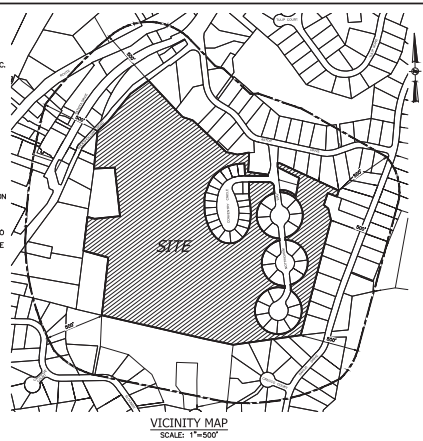
PLAN NOTES:

OWNER/APPLICANT: VEOLIA (FORMERLY SUEZ) WATER NEW YORK
 162 OLD MILL ROAD
 WEST WADSWICK, 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 3607900226E DATED 5/4/2013.
- TOPOGRAPHY ELEVATIONS SHOWN ARE GENERALLY IN ACCORDANCE WITH NAD 1983 AND NAVD 1988 DATUM.

SITE ADDRESS: BUCKS HOLLOW ROAD
 MAHOPAC, NY 10541

- EXISTING USE: COMMERCIAL WATER SUPPLY
- ALL UTILITIES ARE ABOVE GRADE.
- PROPOSED LANDSCAPING IS TO CONFORM TO S142 OF TOWN CODE.
- WETLANDS AS FLAGGED BY STEVE SMITH AND CLAYTON FREY ON APRIL 22, 2011.
- THE WHITE TRAILER (THE "TREATMENT TRAILER") WILL BE REMOVED WITHIN 20 DAYS AFTER CONSTRUCTION OF THE GAC TREATMENT BUILDING IS COMPLETE.
- IN ITS ATTEMPTS TO MEET NEW YORK STATE DEPARTMENT OF HEALTH REGULATIONS MORE QUICKLY, VEOLIA ORDERED THE BUILDING IN THE GREEN COLOR PREVIOUSLY FOUND PROVISIONALLY ACCEPTABLE TO (BUT NOT FINALLY APPROVED BY) THE PLANNING BOARD. THE HIGH PETERS THE COLOR FAIRVIEW TAUPE (BENJAMIN MOORE, HC-85). IF THIS COLOR IS ACCEPTABLE TO AND APPROVED BY THE PLANNING BOARD, VEOLIA WILL PLAN THE GAC TREATMENT BUILDING AND EXISTING PUMP HOUSE FAIRVIEW TAUPE (BENJAMIN MOORE, HC-85) WITHIN THREE MONTHS OF THE FINAL LANDSCAPING INSTALLATION.



DISTRICT REGULATIONS:

ZONE "N"	DISTRICT "C1"	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA		120,000 SQ. FT.	7,721.15 SQ. FT.	72,115.15 SQ. FT.
MINIMUM LOT WIDTH		200 FT.	570.5 FT.	570.5 FT.
MINIMUM STREET FRONTAGE (ON TOWN ROAD)		100 FT.	580.8 FT.	580.8 FT.
MINIMUM STREET FRONTAGE (ON CUL-DE-SAC)		50 FT.	N/A	N/A
MINIMUM FRONT YARD		40 FT.	138.06 FT.	144.84 FT.
MINIMUM SIDE YARD		25 FT.	95 FT.	192 FT.
MINIMUM TOTAL SIDE YARD		50 FT.	787 FT.	782 FT.
MINIMUM REAR YARD		40 FT.	308 FT.	289 FT.
MAXIMUM BUILDING HEIGHT		12 FT.	12 FT.	22 FT.
MAXIMUM LOT COVERAGE		0.15	0.0002	0.0010
MINIMUM LANDSCAPE BUFFER		10 FT.	0 FT.	0 FT.

NET LOT AREA CALCULATION:
 GROSS LOT AREA = 2,325,320 SQ. FT.
 LESS: WETLANDS = 1,633,185 SQ. FT.
 NET LOT AREA = 692,135 SQ. FT. ±

FLOOD HAZARD:
 THE SURVEYED LOT IS SITUATED IN "AREA B" DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS DESIGNATED BY FEMA, PER FIRM MAP NO. 3607900226E, 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 HUNTERS' RUN" FILED IN THE PUTNAM COUNTY CLERK'S OFFICE ON MARCH 25, 1988, AS MAP NO. 2298.

DRAWING LIST:

No.	TITLE	ORIGIN DATE	REVISION
1	SITE PLAN	AUGUST 27, 2021	FEBRUARY 12, 2024
2	OWNER LIST	AUGUST 27, 2021	FEBRUARY 12, 2024
3	EXISTING CONDITION	AUGUST 27, 2021	FEBRUARY 12, 2024
4	DRAINING PLAN	AUGUST 27, 2021	FEBRUARY 12, 2024
5	DETAILS	AUGUST 27, 2021	FEBRUARY 12, 2024
6	EROSION & SEDIMENT CONTROL PLAN	AUGUST 27, 2021	FEBRUARY 12, 2024
7	TREE & LANDSCAPE PLAN	AUGUST 27, 2021	FEBRUARY 12, 2024
8	LIGHTING PLAN	AUGUST 27, 2021	FEBRUARY 12, 2024
9	TURNING RADIUS MANEUVERABILITY PLAN	NOVEMBER 15, 2021	FEBRUARY 12, 2024

LEGEND

- EXISTING 1" CONTOUR
- EXISTING 2" CONTOUR
- EXISTING NATURAL
- EXISTING FINE IRONMANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MAINLINE
- EXISTING SEWER LATERAL
- EXISTING SPOT ELEVATION
- EXISTING STORMWALL
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRE
- EXISTING ELECTRIC LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING WETLAND BUFFER
- EXISTING WETLANDS
- EXISTING SOIL
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- PROPOSED DATE VALVE
- PROPOSED WATER SERVICE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED ROOF DRAIN
- PROPOSED STORM DRAIN
- PROPOSED SLT FENCE
- PROPOSED CONSTRUCTION FENCE
- PROPOSED KYLE GARDEN PROSECUTOR
- TEST HOLE LOCATION

TAX MAP REFERENCES:
 TOWN OF CARMEL TAX MAP SECTION 75.20, BLOCK 2, LOT 68

ADDRESS:
 BUCKS HOLLOW ROAD
 MAHOPAC, NY 10541

AREA:
 53.852 ACRES

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

WETLANDS (PFO)

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ATTEMPTING ANYTHING OF THIS CHARACTER AND/OR THE ACCOMPANYING PROSECUTOR, UNLESS IT BE THE DESIGNATED OWNER, WHERE SUCH ALTERNATIVE MEASURES ARE PREPARED UNDER THE PROVISIONS OF SECTION 209(2) OF THE EDUCATION LAW. THE DATE OF ALLOCATION OF THE MAP AND/OR IN THE OPERATIONS (ONE EDUCATION LAW SECTION 209(2))

7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
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1	11-15-21	PER PW MTS. 9-22-21

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

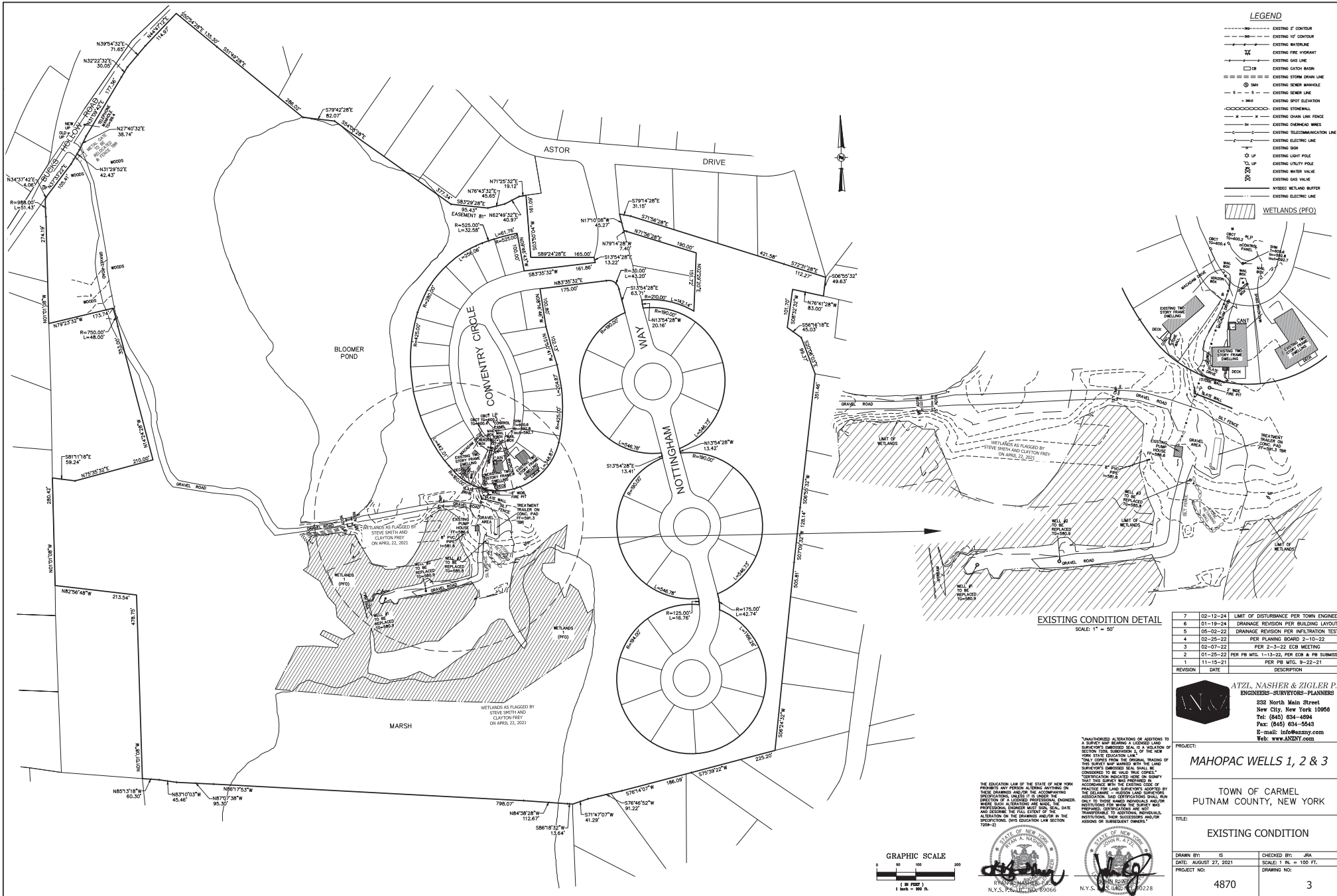
232 North Main Street
 New City, New York 10986
 Tel: (845) 654-4894
 Fax: (845) 654-5543
 E-mail: info@anzny.com
 Web: www.anzny.com

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

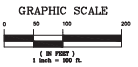
TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **OVERALL SITE PLAN**

DRAWN BY: JI	CHECKED BY: JSA
DATE: AUGUST 27, 2021	SCALE: 1" = 100' FT.
PROJECT NO: 4870	DRAWING NO: 1



- LEGEND**
- Existing E' Contour
 - - - - - Existing W' Contour
 - - - - - Existing Fire Hydrant
 - - - - - Existing Gas Line
 - - - - - Existing Storm Drain Line
 - - - - - Existing Sewer Main
 - - - - - Existing Storm Sewer
 - - - - - Existing Overhead Wires
 - - - - - Existing Telephone Lines
 - - - - - Existing Electric Line
 - - - - - Existing Sign
 - - - - - Existing Light Pole
 - - - - - Existing Utility Pole
 - - - - - Existing Water Valve
 - - - - - Existing Gas Valve
 - - - - - Existing Electric Line
 - - - - - Existing E' Contour
 - - - - - Existing W' Contour
 - - - - - Existing Fire Hydrant
 - - - - - Existing Gas Line
 - - - - - Existing Storm Drain Line
 - - - - - Existing Sewer Main
 - - - - - Existing Storm Sewer
 - - - - - Existing Overhead Wires
 - - - - - Existing Telephone Lines
 - - - - - Existing Electric Line
 - - - - - Existing Sign
 - - - - - Existing Light Pole
 - - - - - Existing Utility Pole
 - - - - - Existing Water Valve
 - - - - - Existing Gas Valve
 - - - - - Existing Electric Line
- WETLANDS (PFO)**



EXISTING CONDITION DETAIL
SCALE: 1" = 50'

REVISION	DATE	DESCRIPTION
7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
6	01-19-24	DRAINAGE REVISION PER BUILDING LAYOUT
5	06-02-22	DRAINAGE REVISION PER INFILTRATION TEST
4	02-25-22	PER PLANNING BOARD 2-15-22
3	02-07-22	PER 2-3-22 ECB MEETING
2	01-25-22	PER PUB MTL 1-13-22, PER ECB & PUB SUBMISSION
1	11-15-21	PER PUB MTL 9-22-21

ATZEL, NASHER & ZIGLER P.C.
 ENGINEERS-SEVERE/DB-PLANNERS
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 New City, New York 10966
 Tel: (845) 634-4894
 Fax: (845) 634-5543
 E-mail: info@anzny.com
 Web: www.anzny.com

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

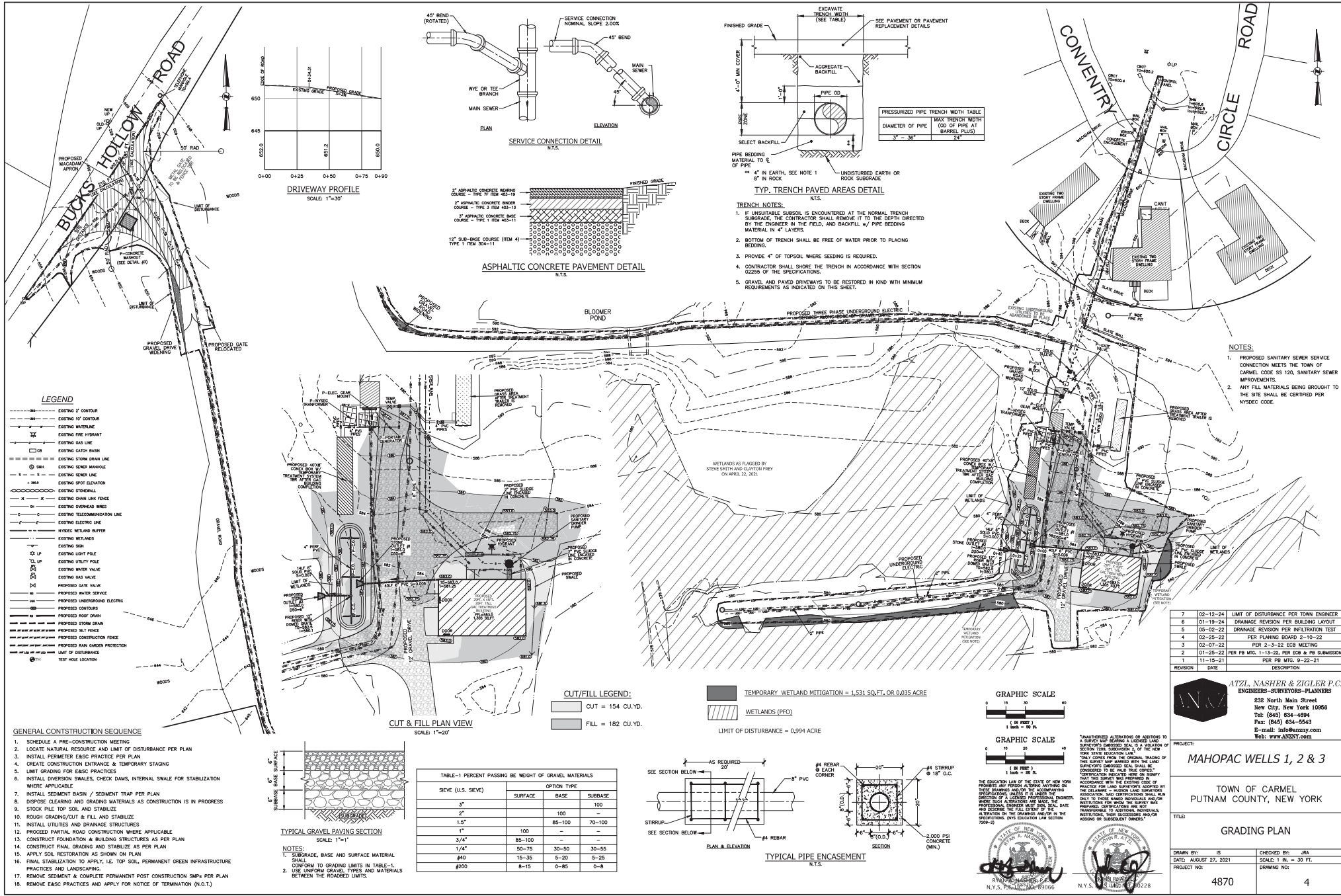
TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **EXISTING CONDITION**

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

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MADE BY A LICENSED LAND SURVEYOR ARE PROHIBITED BY SECTION 2031, SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW. THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON, OTHER THAN THE SURVEYOR, FROM MAKING ANY ALTERATION TO A SURVEY WITHOUT THE WRITTEN CONSENT OF THE SURVEYOR. ANY SUCH ALTERATION SHALL BE CONSIDERED TO BE VOID UNDER SECTION 2031, SUBSECTION 2 OF THE EDUCATION LAW. THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON, OTHER THAN THE SURVEYOR, FROM MAKING ANY ALTERATION TO A SURVEY WITHOUT THE WRITTEN CONSENT OF THE SURVEYOR. ANY SUCH ALTERATION SHALL BE CONSIDERED TO BE VOID UNDER SECTION 2031, SUBSECTION 2 OF THE EDUCATION LAW.





PRESSURIZED PIPE TRENCH WIDTH TABLE

TRENCH WIDTH	DIAMETER OF PIPE (OD OF PIPE AT BAKEL PLUS)
3'-0"	24"
3'-6"	24"

TRENCH NOTES:

1. IF UNSUITABLE SUBSOIL IS ENCOUNTERED AT THE NORMAL TRENCH SUBGRADE, THE CONTRACTOR SHALL REMOVE IT TO THE DEPTH DIRECTED BY THE ENGINEER IN THE FIELD AND BACKFILL w/ PIPE BEDDING MATERIAL IN 4" LAYERS.
2. BOTTOM OF TRENCH SHALL BE FREE OF WATER PRIOR TO PLACING BEDDING.
3. PROVIDE 4" OF TOPSOIL WHERE SEEDING IS REQUIRED.
4. CONTRACTOR SHALL SHORE THE TRENCH IN ACCORDANCE WITH SECTION 02255 OF THE SPECIFICATIONS.
5. GRAVEL AND PAVED DRIVEWAYS TO BE RESTORED IN KIND WITH MINIMUM REQUIREMENTS AS INDICATED ON THIS SHEET.

- NOTES:**
1. PROPOSED SANITARY SEWER SERVICE CONNECTION MEETS THE TOWN OF CARMEL CODE 99.100, SANITARY SEWER IMPROVEMENTS.
 2. ANY FILL MATERIALS BEING BROUGHT TO THE SITE SHALL BE CERTIFIED PER NYSDEC CODE.

REVISION	DATE	DESCRIPTION
7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
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2	01-25-22	PER PW MTS. 1-13-22, PER EOB & PW SUBMISSION
1	11-15-21	PER PW MTS. 9-22-21

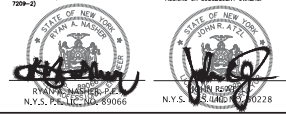
ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SEVEREYB-PLANNERS
 232 North Main Street
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 Fax: (845) 634-4543
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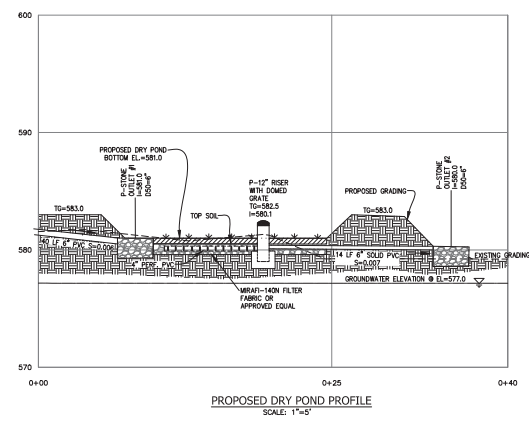
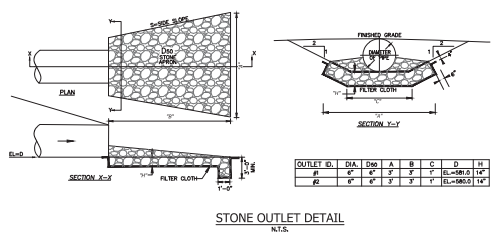
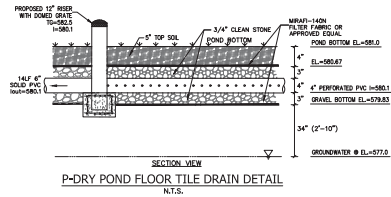
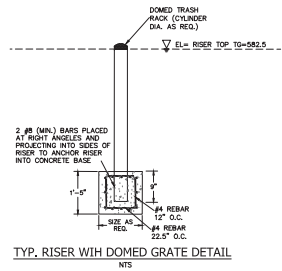
PROJECT: **MAHOPAC WELLS 1, 2 & 3**

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **GRADING PLAN**

DRAWN BY: JSI	CHECKED BY: JSA
DATE: AUGUST 27, 2021	SCALE: 1" = 30' FT.
PROJECT NO: 4870	DRAWING NO: 4





REVISION	DATE	DESCRIPTION
7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
6	01-19-24	DRAINAGE REVISION PER BUILDING LAYOUT
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1	11-15-21	PER PW MTS. 9-22-21

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 Web: www.anzny.com

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

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **DETAILS**

DRAWN BY: IS CHECKED BY: JSA
 DATE: AUGUST 27, 2021 SCALE: AS SHOWN
 PROJECT NO: **4870** DRAWING NO: **5**

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MADE BY A LICENSED LAND SURVEYOR ARE PROHIBITED BY SECTION 2031, SUBSECTION 2, OF THE NEW YORK STATE EDUCATION LAW.

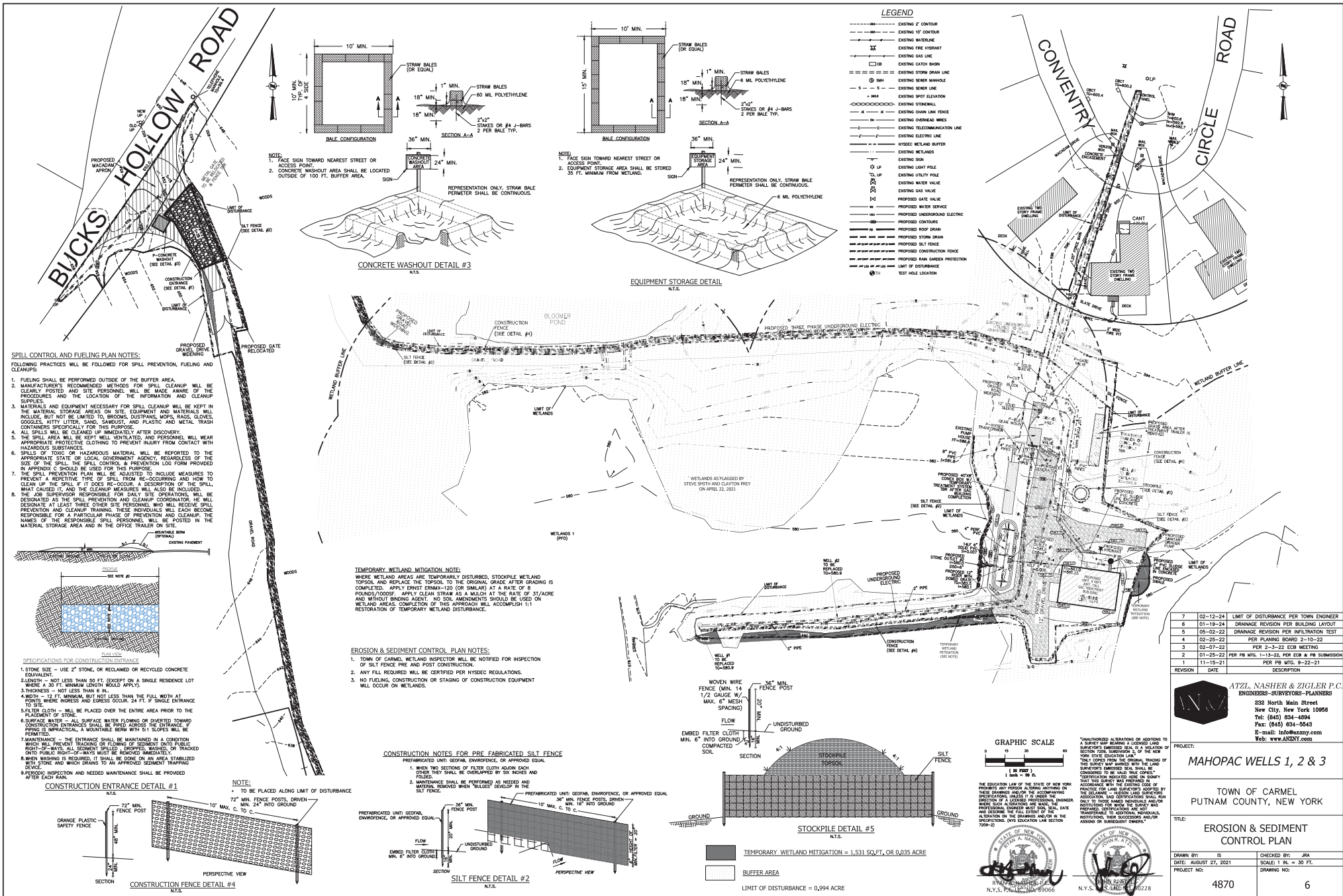
THE OWNER KNOWS THE ORIGINAL ISSUING OF THESE PLANS WAS MADE BY THE LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LAND SURVEYOR, OR OTHER PROFESSIONAL PERSON WHOSE PROFESSIONAL LICENSE IS IN FULL FORCE AND EFFECT AND WHOSE SIGNATURE AND SEAL ARE NOT REPRODUCIBLE TO ADDITIONAL INDIVIDUALS.

ANY ALTERATION OR ADDITION TO THESE PLANS WITHOUT THE SIGNATURE AND SEAL OF THE ORIGINAL PROFESSIONAL PERSON IS UNLAWFUL AND CONSIDERED TO BE VOID.

THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES ANY PERSON ALTERING ANYTHING ON THESE PLANS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LAND SURVEYOR, OR OTHER PROFESSIONAL PERSON WHOSE PROFESSIONAL LICENSE IS IN FULL FORCE AND EFFECT AND WHOSE SIGNATURE AND SEAL ARE NOT REPRODUCIBLE TO ADDITIONAL INDIVIDUALS, IS SUBJECT TO THE PENALTIES OF SECTION 2009-2.

STATE OF NEW YORK
 SEAL OF ATZL, NASHER & ZIGLER P.C.
 N.Y.S. PUBLIC NO. 89066

STATE OF NEW YORK
 SEAL OF JASON R. SHAW
 N.Y.S. PUBLIC NO. 10228



SPILL CONTROL AND FUELING PLAN NOTES:

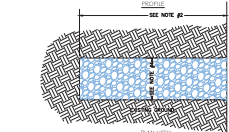
- FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION, FUELING AND CLEANUPS:
1. FUELING SHALL BE PERFORMED OUTSIDE OF THE BUFFER AREA.
 2. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
 3. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUSTPANS, ROPS, RAGS, GLOVES, COOLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
 4. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
 5. THE SPILL AREA WILL BE KEPT WELL VENTILATED, AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH HAZARDOUS SUBSTANCES.
 6. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL. THE SPILL CONTROL & PREVENTION LOG FORM PROVIDED IN APPENDIX C SHOULD BE USED FOR THIS PURPOSE.
 7. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT A RECURRING TYPE OF SPILL FROM RE-OCCURRING AND HOW TO CLEAN UP THE SPILL IF IT DOES RE-OCCUR. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
 8. THE JOB SUPERVISOR RESPONSIBLE FOR DAILY SITE OPERATIONS WILL BE DESIGNATED AS THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF THE RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.

TEMPORARY WETLAND MITIGATION NOTE:
 WHERE WETLAND AREAS ARE TEMPORARILY DISTURBED, STOCKPILE WETLAND TOPSOIL AND REPLACE TO THE ORIGINAL GRADE AFTER GRADING IS COMPLETED. APPLY ERNST ERMAK-20 (OR SIMILAR) AT A RATE OF 8 POUNDS/1000SQ. APPLY CLEAN STRAW AS A MULCH AT THE RATE OF 3T/ACRE AND WITHOUT BLENDING AGENT. NO SOIL AMENDMENTS SHOULD BE USED ON WETLAND AREAS. COMPLETION OF THIS APPROACH WILL ACCOMPLISH 1:1 RESTORATION OF TEMPORARY WETLAND DISTURBANCE.

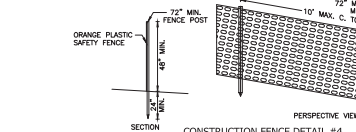
- EROSION & SEDIMENT CONTROL PLAN NOTES:**
1. TOWN OF CARMEL WETLAND INSPECTOR WILL BE NOTIFIED FOR INSPECTION OF SILT FENCE PRE AND POST CONSTRUCTION.
 2. ANY FILL REQUIRED WILL BE CERTIFIED PER NYSDC REGULATIONS.
 3. NO FUELING, CONSTRUCTION OR STAGING OF CONSTRUCTION EQUIPMENT WILL OCCUR ON WETLANDS.

CONSTRUCTION NOTES FOR PRE FABRICATED SILT FENCE

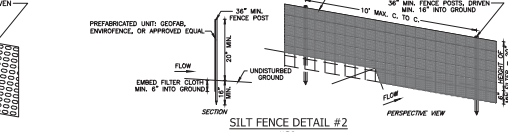
1. WHEN TWO SECTIONS OF FLEXI CLOTH ALLOW EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FUSED.
2. MAINTENANCE SHALL BE PERFORMED AS REQUIRED AND MATERIAL REMOVED WHEN THROUGH DEVELOP IN THE SILT FENCE.



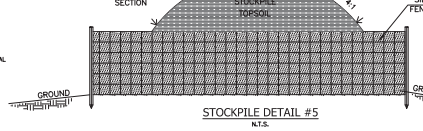
CONSTRUCTION ENTRANCE DETAIL #1



CONSTRUCTION ENTRANCE DETAIL #2



STOCKPILE DETAIL #5



TEMPORARY WETLAND MITIGATION = 1,531 SQ.FT. OR 0.035 ACRE
 BUFFER AREA
 LIMIT OF DISTURBANCE = 0.994 ACRE

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1	11-15-21	PER PW MTS. 9-22-21
REVISION	DATE	DESCRIPTION

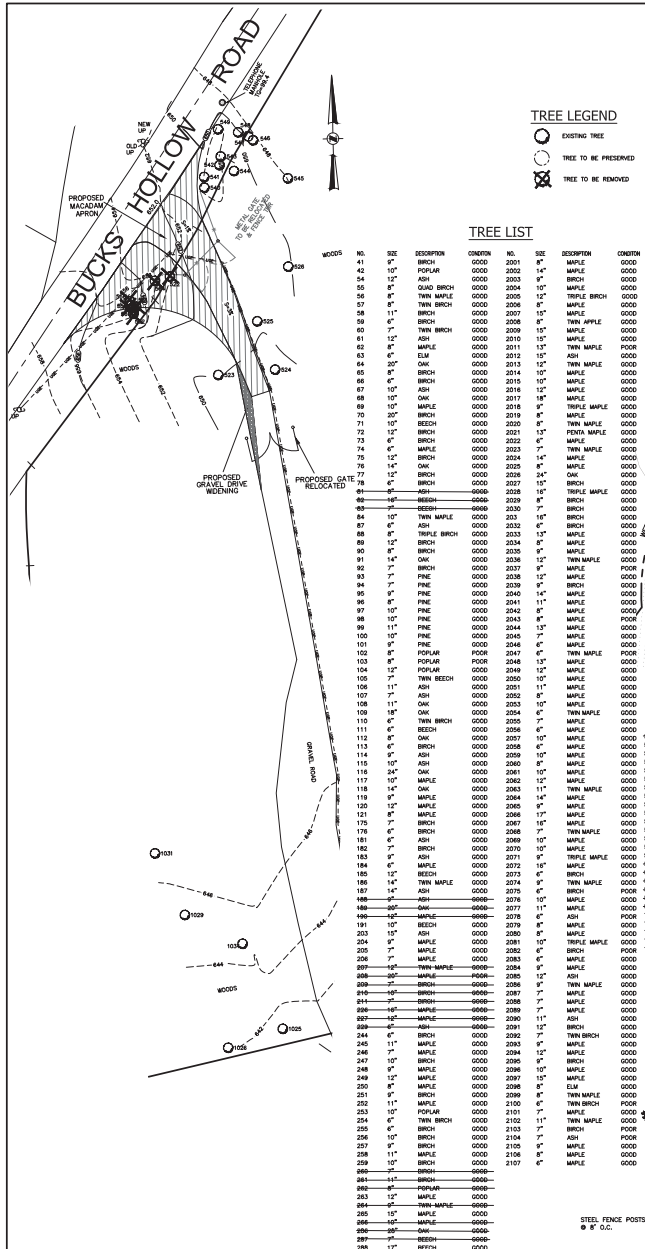
ATZEL, NASHER & ZIGLER P.C.
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 Fax: (845) 634-5563
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PROJECT: **MAHOPAC WELLS 1, 2 & 3**
 TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

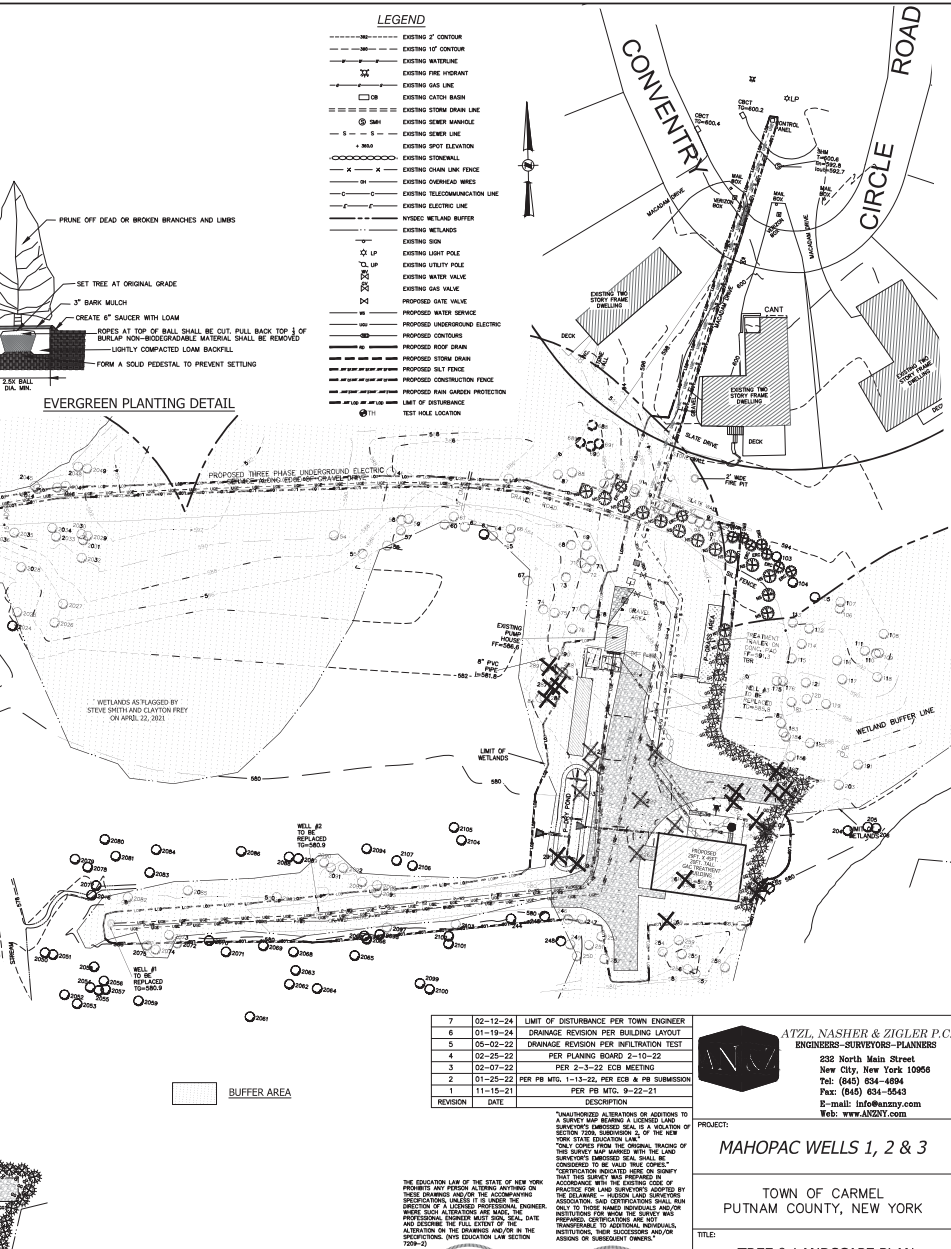
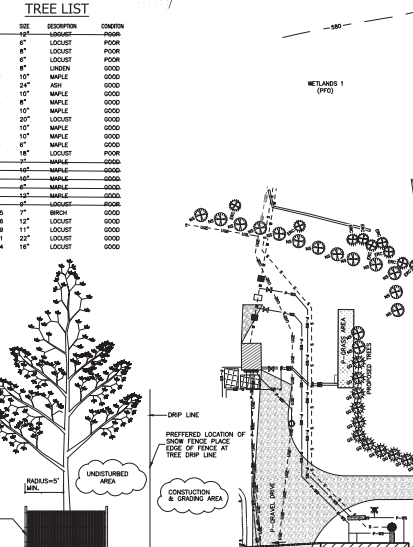
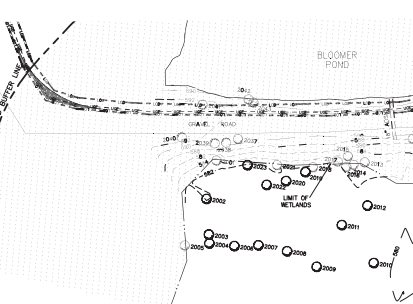
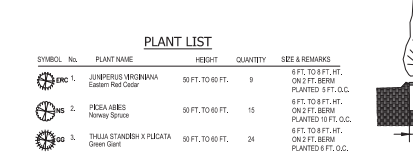
EROSION & SEDIMENT CONTROL PLAN

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





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 25% OF ROOT BALL FROM TOP OF BALL AND CUT WIRE ON TREE BASKET. ENSURE THAT THE DRILL IS NOT EXPOSED ABOVE GRADE BECAUSE OF WATER LOSS. STAKING AND GUYING 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.
 WATER 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 THEN REGULARLY FOR THE NEXT TWO SUMMERS.
 PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL NEWLY INSTALLED PLANTS FORTWO-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.



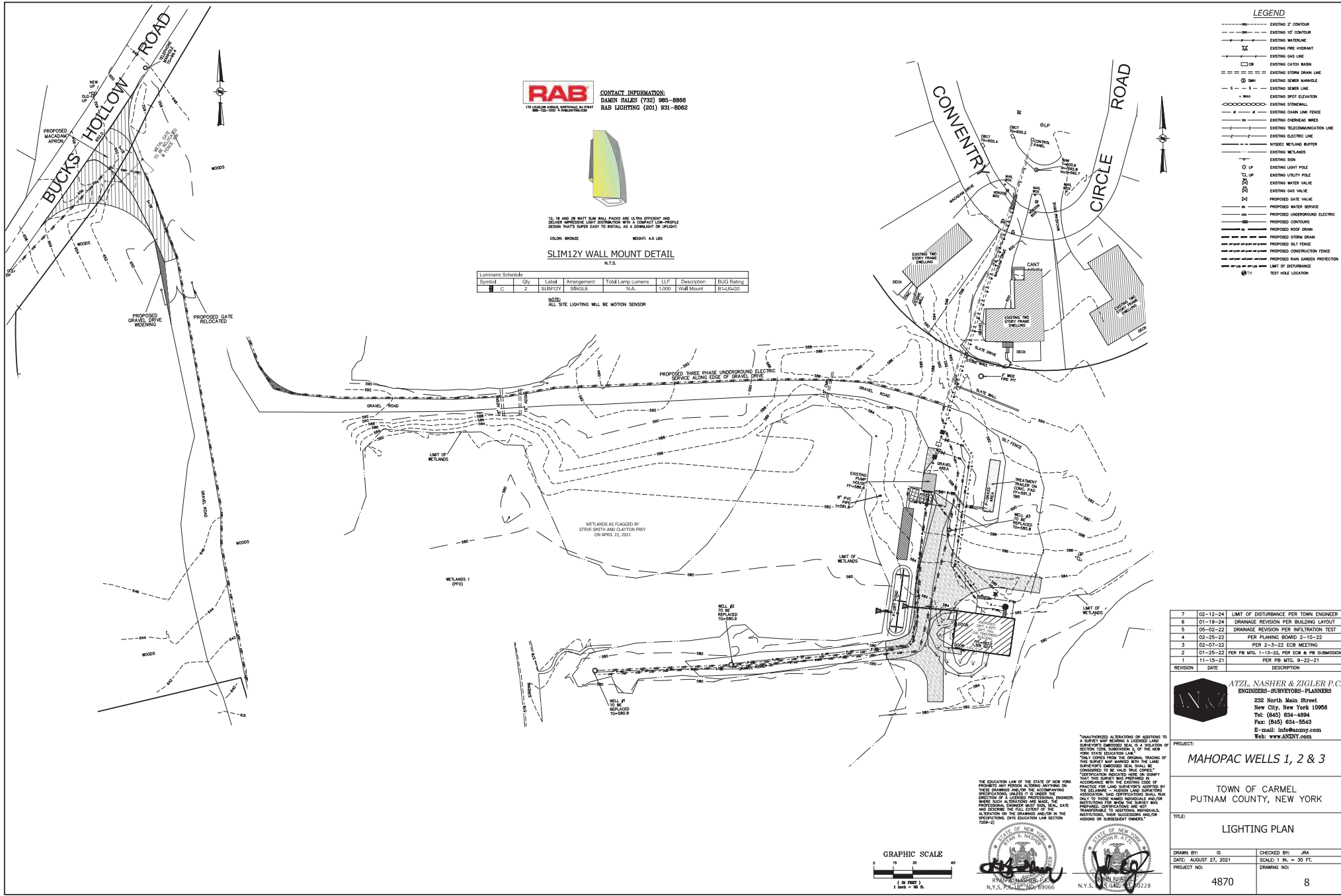
NOTES:
 1) INSTALL SNOW FENCE TREE PROTECTION PRIOR TO ANY CLEARING OR EXCAVATION.
 2) MAINTAIN SNOW FENCE FOR THE DURATION OF THE CONSTRUCTION PERIOD.
 N.T.S.



7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
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3	02-07-22	PER 2-3-22 ECB MEETING
2	01-25-22	PER PER MITG. 1-13-22, PER ESB & PB SUBMISSION
1	11-15-21	PER PER MITG. 9-22-21
REVISION	DATE	DESCRIPTION

ATZL, NASH & ZIGLER P.C.
 ENGINEERS-SEWER/DESIGN-PLANNERS
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 E-mail: info@anzny.com
 Web: www.ANZNY.com

PROJECT: MAHOPAC WELLS 1, 2 & 3
 TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK
 TITLE: TREE & LANDSCAPE PLAN
 DRAWN BY: JSI
 DATE: AUGUST 27, 2021
 CHECKED BY: JSA
 SCALE: 1" = 30' FT.
 PROJECT NO: 4870
 DRAWING NO: 7



RAB CONTACT INFORMATION:
 DANIEL SALES (782) 965-8806
 RAB LIGHTING (201) 631-6062



12, 18 AND 24 WATT SLIM WALL MOUNTS ARE ULTRA EFFICIENT AND
 DESIGN SPECIFIC LIGHT DISTRIBUTION WITH A COMPACT LOW PROFILE
 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	Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUD Rating
C	2	SLIM12Y	SINGLE	N/A	N/A	1,000	Wall Mount	EX-1000

NOTE:
 ALL SITE LIGHTING WILL BE MOTION SENSOR

LEGEND

- EXISTING 1' 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 STONEWALL
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRE
- EXISTING TELECOMMUNICATION LINE
- EXISTING ELECTRIC LINE
- NYSD&C WETLAND BUFFER
- EXISTING WETLANDS
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- PROPOSED GATE VALVE
- PROPOSED WATER SERVICE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED CONSTRUCTION FENCE
- PROPOSED RAIN DRAIN PROTECTION
- LIMIT OF DISTURBANCE
- TEST HOLE LOCATION

REVISION	DATE	DESCRIPTION
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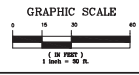
ATZEL, NASHER & ZIGLER P.C.
 ENGINEERS - SURVEYORS - PLANNERS
 232 North Main Street
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 Fax: (845) 634-5543
 E-mail: info@atzy.com
 Web: www.ANZNY.com

PROJECT:
MAHOPAC WELLS 1, 2 & 3

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE:
LIGHTING PLAN

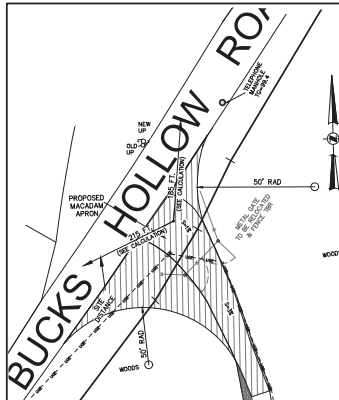
DRAWN BY: IS	CHECKED BY: JSA
DATE: AUGUST 27, 2021	SCALE: 1" = 30' FT.
PROJECT NO: 4870	DRAWING NO: 8



THE EDUCATION LAW OF THE STATE OF NEW YORK
 PROVIDES ANY PERSON ALTERING ANYTHING ON
 THESE DRAWINGS AND/OR THE ACCOMPANYING
 SPECIFICATIONS, UNLESS IT IS UNDER THE SUPERVISION
 OF AN ENGINEER, ARCHITECT, LAND SURVEYOR OR
 PROFESSIONAL ENGINEER, SHALL BE CONSIDERED
 TO BE IN VIOLATION OF THE EDUCATION LAW.
 ANY SUCH ALTERATIONS ARE MADE, THE
 PROFESSIONAL ENGINEER, ARCHITECT, LAND SURVEYOR
 OR PROFESSIONAL ENGINEER SHALL BE
 RESPONSIBLE TO ADDITIONAL INDIVIDUALS,
 INSTITUTIONS, AND SOCIETIES AND/OR
 AGENCIES OR SUBMITTALS THEREOF.

STATE OF NEW YORK
 SEAL OF THE STATE ENGINEER
 DANIEL SALES
 N.Y.S. PUBLIC NO. 89066

STATE OF NEW YORK
 SEAL OF THE STATE ENGINEER
 DANIEL SALES
 N.Y.S. PUBLIC NO. 890228

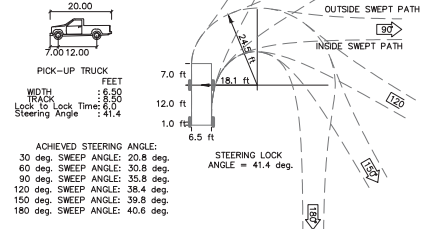


VEHICLE TRAVELING DOWNHILL TOWARD THE SITE:
 SIGHT DISTANCE, $S = (1.47 \times tpV) + \frac{V^2}{30(C \pm G)}$
 tp, PERCEPTION TIME = 2.5 SEC
 V, VEHICLE DESIGN SPEED = 30 MPH
 C, DECELERATION RATE = 11.2 FT./SEC²
 G, ACCELERATION OF GRAVITY = 32.2 FT./SEC²
 G, ROAD SLOPE IN DECIMAL (NEGATIVE IF THE ROADWAY IS DOWNHILL) = - 0.056

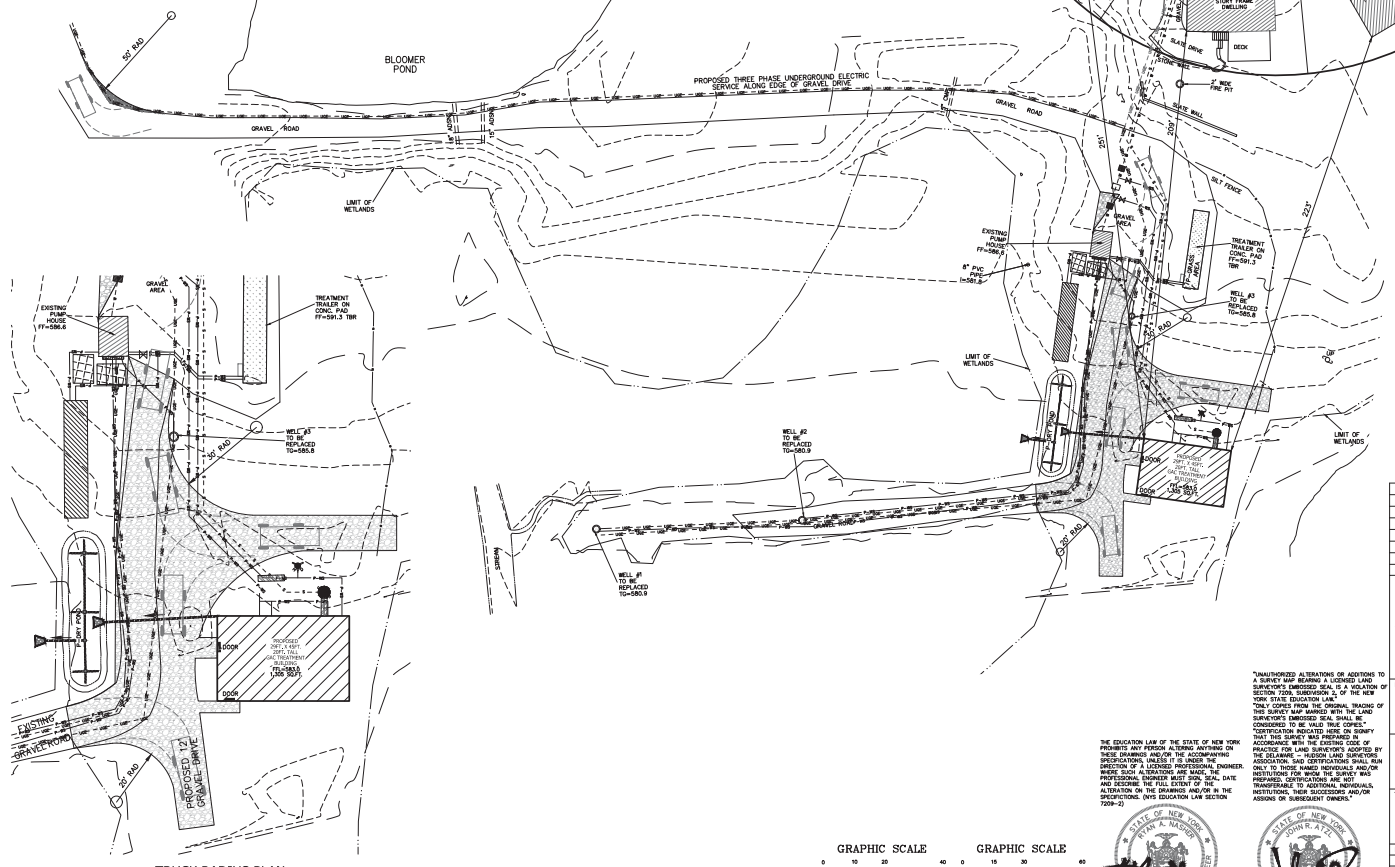
SIGHT DISTANCE, $S = (1.47 \times 2.5 \times 30) + \frac{30^2}{30(-0.056)}$
 => SIGHT DISTANCE, S = 213.05 FT. => USE 215 FT.

VEHICLE TRAVELING UPHILL TOWARD THE SITE:
 SIGHT DISTANCE, $S = (1.47 \times tpV) + \frac{V^2}{30(C \pm G)}$
 tp, PERCEPTION TIME = 2.5 SEC
 V, VEHICLE DESIGN SPEED = 30 MPH
 C, DECELERATION RATE = 11.2 FT./SEC²
 G, ACCELERATION OF GRAVITY = 32.2 FT./SEC²
 G, ROAD SLOPE IN DECIMAL (POSITIVE IF THE ROADWAY IS UPHILL) = + 0.073

SIGHT DISTANCE, $S = (1.47 \times 2.5 \times 30) + \frac{30^2}{30(+0.073)}$
 => SIGHT DISTANCE, S = 181.6 FT. => USE 185 FT.



LARGE PICK-UP TRUCK RADIUS DETAIL



TRUCK RADIUS PLAN
 SCALE: 1" = 20'

LEGEND

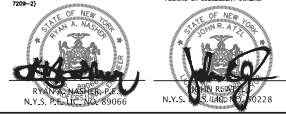
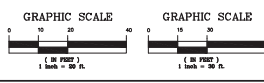
- EXISTING 2" CONTOUR
- EXISTING 10' CONTOUR
- EXISTING WATERLINE
- EXISTING FINE WIREMANT
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MANHOLE
- EXISTING CHASE LINE
- EXISTING SEWER LINE
- EXISTING SPOT ELEVATION
- EXISTING STORMWALL
- EXISTING OVERHEAD WIRES
- EXISTING OVERHEAD LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING ELECTRIC LINE
- WYSESE WETLAND BUFFER
- EXISTING WETLANDS
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- EXISTING GATE VALVE
- EXISTING WATER SERVICE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED CONTOURS
- PROPOSED ROOF DRAIN
- PROPOSED STORM DRAIN
- PROPOSED SILT FENCE
- PROPOSED OBSTRUCTION FENCE
- PROPOSED RAIN GARDEN PROTECTION
- LIMIT OF DISTURBANCE
- TEST HOLE LOCATION

7	02-12-24	LIMIT OF DISTURBANCE PER TOWN ENGINEER
6	01-19-24	DRAINAGE REVISION PER BUILDING LAYOUT
5	06-02-22	DRAINAGE REVISION PER INFILTRATION TEST
4	02-25-22	PER PLANING BOARD 2-15-22
3	02-07-22	PER 2-3-22 ECB MEETING
2	01-25-22	PER PW MTL 1-13-22, PER ECB & PW SUBMISSION
1	11-15-21	PER PW MTL 9-22-21
REVISION	DATE	DESCRIPTION

ATZL, NASHER & ZIGLER P.C.
 ENGINEERS-SEVERED-PLANNERS
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 Tel: (845) 634-4894
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 E-mail: info@atzy.com
 Web: www.ANZNY.com

PROJECT: **MAHOPAC WELLS 1, 2 & 3**
 TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: **TURNING RADIUS MANEUVERABILITY PLAN**
 DRAWN BY: IS CHECKED BY: JSA
 DATE: NOVEMBER 15, 2021 SCALE: 1" = 20 FT.
 PROJECT NO: 4870 DRAWING NO: 9



UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SEWER LINE BEARING A LICENSED LAND SURVEYOR'S SEAL OR A LICENSED PROFESSIONAL ENGINEER'S SEAL IS PROHIBITED BY SECTION 2003, SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.
 THE OFFICE KNOWS THE ORIGINAL ISSUING OF THIS DRAWING WAS MADE BY THE LICENSED PROFESSIONAL ENGINEER AND THAT THE PROFESSIONAL ENGINEER HAS REVIEWED AND APPROVED THIS DRAWING FOR THE DATE PREPARED. CONTRACTORS ARE NOT RESPONSIBLE TO ADDITIONAL INDIVIDUALS OR ENTITIES FOR ANY ALTERATIONS OR ADDITIONS TO THIS DRAWING MADE AFTER THE DATE OF THE ORIGINAL ISSUING OF THIS DRAWING.
 THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES ANY PERSON ALTERING ANYTHING ON THIS DRAWING AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS DONE BY THE PROFESSIONAL ENGINEER, SHALL BE CONSIDERED TO BE VIOLATING THE EDUCATION LAW OF THE STATE OF NEW YORK.
 THE EDUCATION LAW OF THE STATE OF NEW YORK PROVIDES ANY PERSON ALTERING ANYTHING ON THIS DRAWING AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS DONE BY THE PROFESSIONAL ENGINEER, SHALL BE CONSIDERED TO BE VIOLATING THE EDUCATION LAW OF THE STATE OF NEW YORK.