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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 MARCH 10, 2022 – 7:00 P.M.

		TAX MAP #	PUB. HEARING	MAP DATE	COMMENTS
<u>Pl</u>	JBLIC HEARING				
1.	Suez Water New York Inc – Mahopac Wells - 150' southwest of Coventry Circle	75.20-2-68	3/10/22	2/25/22	Site Plan
<u>SI</u>	TE PLAN				
2.	Suez Water New York Inc – London Bridge Wells - 39 Brook Street	64.7-1-10		3/1/22	Site Plan
3.	Suez Water New York Inc – Geymer Wells - 70 Geymer Drive	75.13-1-6		3/1/22	Site Plan

MISCELLANEOUS

4. Minutes – 01/26/22



Web: www.anzny.com

February 25, 2022

Planning Board Town of Carmel 60 McAlpin Avenue Mahopac, NY 10541 Attn: Craig Paeprer, Chairman

> Re: Suez Water (Mahopac Wells 1,2 &3) Tax Lot 75.20-2-68

Dear Chairman Paeprer and Honorable Board Members,

The following is our response to Patrick Cleary, AICP, CEP, PP, LEED AP of Cleary Consulting, letter dated February 10, 2022:

1. Comment: The Applicant has clarified that the emergency generator is required by the Putman County Department of Health and cannot be relocated off-site. To mitigate concerns about views of the generator, it will be painted to match the color of the new PFAS building. The Applicant believes that when painted to match the PFAS building, the generator will blend into the existing woodland.

Response: No response required.

2. Comment: In response to the request by the Board, the Applicant will bring color samples to the Planning Board meeting for review.

Response: No response required.

The following is our response to Michael G. Carnazza, Director of Code Enforcement for the Town of Carmel, letter dated February 10, 2022:

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1. Comment: The applicants propose to add a GAC Treatment Facility Building to the water treatment facility off Buckshollow Rd. in Mahopac.

Response: No response required.

2. Comment: Code §156-37C requires "A landscaped buffer area at least 10 feet in width and six feet in height shall be provided and maintained along all property lines to satisfactorily screen public utility substations and any other buildings from surrounding uses of land". The Planning Board should look closely at this site as the entire operation is in the backyards of Coventry Circle and Nottingham Way.

Response: No response required.

- 3. Comment: Is the Hunter's Run H.O.A. aware of this project? The work is being done on the Common Space for the Hunter's Run Condominium complex, therefore, the H.O.A. should be made aware, and have all issues ironed out with them before the public hearing. If this is the case, a letter from the H.O.A. stating their consent to the proposed structures and amenities should be made part of the file.
 - *Response:* Letter from Hunter's Run H.O.A. will be supplied to the Town.
- 4. Comment: Why is there a 2' Fire Pit on this property? Did the H.O.A. allow this on the common area?
 - Response: The fire pit indicated on the drawing is completely outside of the area utilized by Suez at the Mahopac well site, therefore we have no knowledge of its origin. Suez has informed HOA chairmen Mr. Ken Schweigler about the presence of the fire pit and he has responded that the HOA has no record of its approval. We assume the HOA will address any further action related to the fire pit at the site.
- 5. Comment: Referral to the ECB, Fire Department and Putnam County Dept. of Health are required by code.

Response: No response required.

The following is our response to Richard J. Franzetti, P.E, letter dated February 4, 2022:

General Comments

- 1. Comment: The following referrals are required:
 - a. New York State Department of Environmental Conservation (NYSDEC).
 - b. Putnam County Department of Health (PCDOH).
 - c. The Town of Carmel Environmental Conservation Board (ECB).
 - d. The Town of Carmel Highway Department.
 - e. Mahopac Fire Department.

The applicant has noted these referrals

Response: No response required.

- 2. Comment: The following permits are required.
 - a. NYSDEC for stormwater and wetlands.
 - b. PCDOH for well and treatment system.
 - c. Town of Carmel Highway- work permit.
 - d. ECB for wetlands.

The applicant has noted these permit requirements

Response: No response required.

3. Comment: The area of disturbance for the work as provided is 18,644 sf. The threshold criteria of disturbances for the NYSDEC stormwater regulation are between 5,000 square feet and one (1) acre and over one (1) acre. The project will require coverage under the NYSEC SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001) and the

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		development of Stormwater Pollution Prevention Plan (SWPPP) that has erosion and sediment controls.	
		The applicant has provided a SWPPP which is currently under review. Th applicant has included the proposed underground utility service areas as part of the overall area of disturbance. Applicant has noted that the SWPP would be updated.	
		The total area of disturbance should be noted on the drawings.	
	Response:	Area of disturbance is 2.07 ac. This has been noted on sheet 4 and 5.	
provided. It is unclear from the drawings provide the extent of cut		All re-grading required to accomplish the intended development should be provided. It is unclear from the drawings provide the extent of cut and fill proposed for the site. This includes the areas for the proposed underground utility service.	
		The applicant has provided a grading plan. The amount of fill, if any, being brought to the site should be provided.	
		All fill brought to the site must be certified per NYSDEC regulations and manifests/certification of the fill material being delivered should be provided. A note should be added to the drawing.	
		Applicant has noted that a cut and fill analysis will be provided.	
	Response:	A note has been added to the site plan. Cut and fill analysis and amount has been provided on grading plan (sheet 4).	
5. Trat	ffic and Vehic	le Movement Plans should be provided which provide the following:	
a. C	omment:	All sight distance calculations should be provided.	
R	esponse:	Sight distance calculations are referenced on drawing 8.	

b.	Comment:	Slopes at the entrance way need to be defined. It is suggested that slopes of less than 6% be used for the first 20 feet of entry and that slopes of no greater than 8% be used entering the site. Please refer to AASHTO guidelines for commercial properties.
		A driveway profile should be provided.
	Response:	Driveway profile off Bucks Hollow Road provided. Entrance conforms with AASHTO requirements. Refer to Drawing 4.
6.	Comment:	All easement information regarding the areas for the proposed underground utility service must be provided.
		Applicant has provided easement information. This should be reviewed by Planning Counsel.
	Response:	No response required.
7.	Comment:	Should any public improvements be deemed necessary as part of the development of the tract, a Performance Bond and associated Engineering Fee must eventually be established for the work. The applicant will need to develop a quantity take off for bonding purposes.
		The applicant has noted this requirement. The applicant should note that a Performance Bond and associated Engineering fee is minimally required for the stormwater management practices, erosion and sediment control drainage features, landscaping etc. installed on the site. Please see §156-61 J and K of the Town Code for additional information.
	Response:	No response required.

Detailed Comments

1. Comment: A landscaping plan should be provided to show the location and extent of all plantings.

A landscaping plan has been provided. The applicant should add a note that all plantings shall be installed per §142 of the Town of Carmel Town Code. A note should be added to the drawings.

Response: This note has been added to drawing 1 as note 7.

2. Comment: The rain garden locations have been provided. The applicant should note that they must meet the criteria as defined by the NYSDEC. This includes providing sufficient depth to groundwater.

Applicant indicated that the calculation will be provide prior to construction. Minimally these calculations will need to be provided/approved as part of the Planning Board approval. The applicant has noted that testing for groundwater will be performed as soon as weather permits.

- *Response:* We will schedule test hole as soon as weather permits. Then, we will provide groundwater elevation and the rain garden calculation will be revised if needed.
- 3. Comment: Adequate protection should be provided in the stormwater management practice (SMP) areas to minimize disturbance during construction. Details should be provided to show how the rain garden will be protected during construction.

Applicant has noted that the rain gardens will be installed in the final stages of construction. However the applicant should not the in order as to not impact the infiltration of the subsoils under the proposed areas for rain gardens that the areas should be shown on the drawing as protected.

- *Response:* A rain garden protection plan and detail are provided accordingly in the revised site plan sheet 5.
- 4. Comment: It is unclear if additional electrical utilities are being installed.

Applicant indicated that an electrical upgrade is being installed

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		underground. The extent of the underground utilities has been provided as to follow the access road.
	Response:	No response required.
5.	Comment:	The wastewater report should provide loading values (#/dy) for the proposed system.
		The applicant has provided a wastewater report. The report should provide the parameters in alphabetical order.
	Response:	Updated wastewater report has been provided with this submission.
6.	Comment:	Details for the proposed connection into the Town of Carmel Sewer system must be provided.
		The applicant should note that all sewers must meet the Town of Carmel Town Code§ 120. The full set of drawings should provide this information. Applicant has provided some additional information which is currently under review.
	Response:	<i>Our sewers will meet Town of Carmel Town Code SS 120 Sanitary Sewer Improvements. Note has been provided on sheet 4.</i>
7.	Comment:	Gate valves shall be AWWA non-rising stem type, as manufactured by Mueller Company, Model A-2360-23, or approved equal, conforming to the latest AWWA Standard for Gate Valves - 3" through 48" - for Water and Other Liquids, AWWA Designation C-509.
	Response:	No response required.
8.	Comment:	Sizes up to and including 12" shall be 250 psi working pressure. The valve body and bonnet shall be ductile iron. All interior and exterior metal surfaces shall be coated with a two-part thermo setting epoxy complying with AWWA C550.

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Response: No response required.

- 9. Comment: Valves shall have dual "O" ring seals, inside screw, resilient wedge seats in accordance with AWWA Designation C-550 and shall be constructed so as to provide unobstructed full port clearance when fully open and immediate complete closure when closed. The ends of the valves shall be mechanical joint.
 - Response: No response required.
- 10. Comment: All valves shall be arranged to open in counterclockwise direction unless otherwise specifically indicated and operating nuts shall be 2" square.

Response: No response required.

11. Comment: Valves shall be tested to a pressure of not less than two times the working pressure.

Response: No response required.

- 12. Comment: All hydrants shall be six inches in size with six-inch mechanical joint inlet connection and shall be equal to the Mueller Centurion A-421, with one (1) $4\frac{1}{2}$ " pumper nozzle and two (2) $2\frac{1}{2}$ " hose nozzles.
 - Response: No response required.
- 13.Comment:Water Service Saddles shall be equal to those manufactured by Mueller,
Model 7 1/2" x 1" SS Series Stainless Steel Saddle, Double Stud.

Response: No response required.

14.	Comment:	Corporation stops shall be equal to those as manufactured by Mueller Company, Model B- 25000Series, NRS and of the size required. Such corporation stops shall meet the requirements of AWWA Specification No. C800.
	Response:	No response required.
15.	Comment:	Curb valves (stops) shall be equal to those as manufactured by Mueller Company, Model H- 15214 and shall conform to AVVWA Specification No. C800.
	Response:	No response required.
16.	Comment:	Curb boxes shall be equal to those as manufactured by Mueller Company and similar to Mueller extension type with arch pattern base model H- 10314 all extension rods shall be stainless steel.
	Response:	No response required.
17.	Comment:	All fire hydrants shall be the approved AWWA type fire hydrants in conformance with the American Water Works Association Standard for Fire Hydrants for Ordinary Water Works Service, AWWA Designation C502, and shall have a 5-1/4" valve opening, a 6" mechanical joint inlet complete with an auxiliary gate valve (close coupled), a 6" mechanical joint shoe, and all appurtenances.
	Response:	No response required.
18.	Comment:	Fire hydrants shall be rated for a working pressure of 250 Psi. Fire hydrants shall be sized fora 4'-6" bury.
	Response:	No response required.

Comment: Applicant has noted these comments. The only exception is comment 11 where SUEZ standard is to open right.

Response: No response required.



Excellence Delivered As Promised

February 23, 2022

Richard J. Franzetti, P.E., BCEE Town of Carmel, NY 60 McAlpin Avenue Mahopac, NY 10541

Re: PFAS Removal at Mahopac Well Site Sewer Loading Analysis Carmel, Putnam County

Dear Mr. Franzetti:

This letter and the attached documents are being submitted in response to the Town's review comments, dated January 19, 2022, for the Sewer Loading Analysis for the proposed PFAS removal at the Mahopac Well Site. Responses requested are specifically addressed below.

1. *The flow is listed at 588 gallons. How will this be discharged into the system? Continual flow over the course of the day or batch?*

Response: The flow will be discharging to the sewer in a batch for 30-40 minutes a day at an approximate rate of 13-15 gpm.

2. What is the color of the discharge?

Response: The backwash water is black to brown in color.

3. What is the consistency of the discharge? Is it a slurry, supernatant, etc.

Response: The backwash is the consistency of water. There may be some small precipitates of iron / manganese, but not a slurry.

4. Use a Romac CB style connector. Include on Drawing CD-1. Response: A callout has been added on sheet CD-1 and connector information is included in the specifications.

5. All sewer drawings should be included as part of the overall submittal. **Response: Acknowledged.**

Please contact me at 410-907-2682 or via email, <u>sliskovich@gfnet.com</u>, if you have any questions.

Gannett Fleming Engineers and Architects, P.C.

Suite 450 • 88 Froehlich Farm Blvd • Woodbury, NY 11797-2012 t: 516.364.4140 • f: 516.921.1565 www.**gannettfleming**.com Richard Franzetti February 11, 2022 Page 2 of 2

Very truly yours,

GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.

Sophia Liskovich, P.E. Project Manager Enclosures

cc: SWNY – S. Garabed, M. Stepanova (via e-mail)



Michael J. Nesheiwat, MD COMMISSIONER OF HEALTH

March 3, 2022

Town of Carmel Planning Board 60 McAlpin Avenue Mahopac, NY 10541 Re: SUEZ Water, Forest Park Generators

Dear Members of the Board,

It has been brought to the Putnam County Department of Health's (PCDOH) attention that there are concerns regarding the need for generators to supply emergency power at Community Public Water Systems; specifically the SUEZ owned water systems, formerly known as Forest Park. As per the Putnam County Sanitary Code (PCSC) Article 13 Section 4.B:

"Existing Community Water Systems serving 25 or more people and/or serving 15 or more connections with no provisions for emergency power shall ... install an Electric Manual Transfer Switch(s) so as to facilitate the immediate plug in to a portable on-site Emergency Electric Power Generation."

The driving force behind implementing this section of the PCSC was due to the rural location of many of the County's small Community Water Supplies where, historically, extended power outages have occurred. According to the New York State Sanitary Code (Part 5, Subpart 5-1.1, bz.9) it is a public health hazard when a Public Water System experiences a disruption of water service for four hours or more. When a water line loses pressure, there is the possibility that the drinking water may become contaminated by microorganisms that can cause illness. If the generators are not kept on site at the Public Water Supply locations, it may be impossible for the water system operator to trailer a generator after a major storm event to the locations where they are needed within the four hour time frame. If water service is not restored within four hours, the Public Water System must issue a Boil Water Notice for the entire district until water service is restored and is sampled for bacteria. This is not only inconvenient for all the residents, but also creates a serious health hazard of no clean water to drink, wash, or bathe within the affected district.

When this Sanitary Code was passed, the PCDOH included the requirement that all new Public Water Systems are required to install dedicated on-site Emergency Electrical Power Generation (PCSC Article 13 Section 4.C.2). This was meant to be proactive, so that new Public Water Supplies would not have to retrofit a generator system, and instead follow common practice of having on-site automatic generators. We strongly encourage all existing Public Water Systems to be brought up to current code standards in all aspects, which includes having an emergency generator on-site.

As a former operator of the Forest Park water systems before they were acquired by SUEZ, I can personally attest that the number one complaint of residents at every district was the lack of permanent

stand by generators. There was nothing I could do as an operator to return water service to the residents when there was a power outage.

The Putnam County Department of Health strongly recommends that all Public Water Supplies have on-site generators to power the water treatment plants in the event of a power failure to avoid a potential public health hazard.

Anthony Fricchione Assistant Public Health Engineer

SUEZ Water New York, Inc.

PFAS COMPLIANCE PROJECT F MAHOPAC WELLS

Putnam County, New York

TOWN OF CARMEL WASTEWATER DISCHARGE PERMIT PACKAGE

SUEZ Water New York Inc. 162 Old Mill Road West Nyack, NY 10944

Prepared by:



February 2022

Project Number: 068577

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1. **PROJECT DESCRIPTION**

1.1. Background

Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) are chemical substances that have been used for decades to manufacture firefighting foam and many common household and consumer products the public uses frequently, including non-stick cookware, fast food packaging, adhesives, paints, shampoo and cosmetics. In late 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.

To comply with these new MCLs, SUEZ Water New York, Inc. (SWNY) plans to construct a treatment facility at the existing Mahopac Well site. The planned upgrade will not increase the firm capacity of the wells but add Granular Activated Carbon (GAC) as treatment to remove the PFOS and PFOA prior to entering the distribution system and ensuring compliance with the new regulations. To maintain effectivity, Greensand filters will also be installed to remove the excess iron and manganese from the water and will serve to prevent solids from plugging the GAC and requiring regular backwashing. As a result, the GAC will only be backwashed when it is replaced. SWNY will use frac tanks to contain the spent backwash water during the carbon installation/ replacement process. Backwash from the proposed Greensand filters decant tank is proposed to be discharged into the existing Town's sewer through a new sewer connection.

A pilot system using the well with the highest level of iron and manganese is currently at the site. This pilot system has been used to confirm proof of concept for the iron and manganese removal, as well as to provide specimens to analyze the water quality makeup of both the effluent and the backwash waste. The backwash waste information is presented below as well as the quality of backwash that will enter the Town's sewer system per day.

1.2. Existing Conditions

Mahopac Wells 1, 2, & 3 are located in a residential area 150 feet southwest of 34 Coventry Circle, Mahopac, Putnam County, New York and serve approximately 300 customers. The site is surrounded by Federal and State wetland areas. It is also located in an area with confirmed bog turtle and bat habitats.

The well water comes from three constant speed well pumps that convey water into a 34,200-gallon above ground finished water storage tank. Well No. 2 has been closed for production until iron and manganese mitigation is achieved. An existing temporary iron and manganese treatment trailer is currently in place at the Well No. 2 location. Existing on-site control includes the ability to operate the site remotely through the SCADA system.

The Mahopac Well site has a capacity of 130 gpm that will not be increased. The Standard Industrial Classification (SIC) Code for this facility is 4941, which corresponds to facilities primarily engaged in distributing water for domestic, commercial, and industrial use.

2. PROPOSED SYSTEM

The proposed treatment system will include upsizing of the well pumps. The well water will be conveyed by three variable speed well pumps into Greensand filtration units. Raw water will be dosed with sodium hypochlorite for oxidation before passing thru the filtration units. Backwash waste is transferred to a decant tank to separate the sludge. Decant water is recycled back to the inlet of the Greensand units and sludge will be discharge into the existing sewer thru a new sewer connection.

Following the Greensand units, the water shall pass through the GAC treatment system. Backwash water from the GAC treatment system will be transferred to a frac tank. The treated water will be dosed with sodium hypochlorite after treatment to achieve proper chlorination and will be transferred into an off-site 34,200-gallon aboveground finished water storage tank before distribution.

Sodium hypochlorite will be housed in two 50-gallon double walled chemical storage tanks. Design drawings for the proposed treatment system are included in Appendix B.

2.1. Greensand Filtration System

A Greensand Plus Catalytic Filtration System will be provided to remove iron and manganese in the well water. Filtration will be provided via four vertical Greensand plus pressure filters operated in parallel and capable of automatic backwashes to clean the media. A 7,400-gallon decant tank for backwashing waste, along with sludge and decant pumps with associated piping and valves, are also included with the system.

Table 1 below summarizes the Greensand filtration criteria.

DESCRIPTION	MAHOPAC WELLS
Number Of Greensand Plus Vessels	4 (3 In Parallel And 1 Redundant)
Vessel Diameter (in)	42
Service Flow (gpm)	130
Filter Surface Area (ft ²)	9.62
Design Surface Loading Rate (gpm/Ft ²)	4.5
Backwash Rate Max Per Vessel (gpm @50f)	125
Rinse Rate (gpm)	130
Vessel Pressure Rating (psi)	150
Total Media Content (ft ³)	120
Backwash Duration	15 Min Plus A 2 Min Rinse

Table 1. Greensand Filtration Criteria

🖄 Gannett Fleming

Backwashing is typically performed once every 24 to 48 hours depending on the contaminant levels. It can be performed sequentially or be set to go off at predetermined times. A maximum daily flow of 588.5 gal will be discharge into the sewer in a 6 hour batch, flow calculations are presented below:

Backwash Rate=	125	gal/min*vessel
No. Vessels=	3	vessels
Backwash Duration=	15	min
Backwash Flow=	5625	gal
Rinse Rate=	130	gal/min
Rinse Duration=	2	min
Rinse Flow=	260	gal
Total Flow to Decant Tank=	5885	gal
90% Recycled=	5296.5	gal
10% Sewer Discharge=	588.5	gal

3. WATER QUALITY

The temporary iron and manganese treatment system pilot is currently being operated at the Mahopac Wells site. On August 4, 2021, September 3, 2021, and November 22, 2021 representative samples were taken and tested from the backwash water line. Results are included in Appendix C and summarized in Table 2 below.

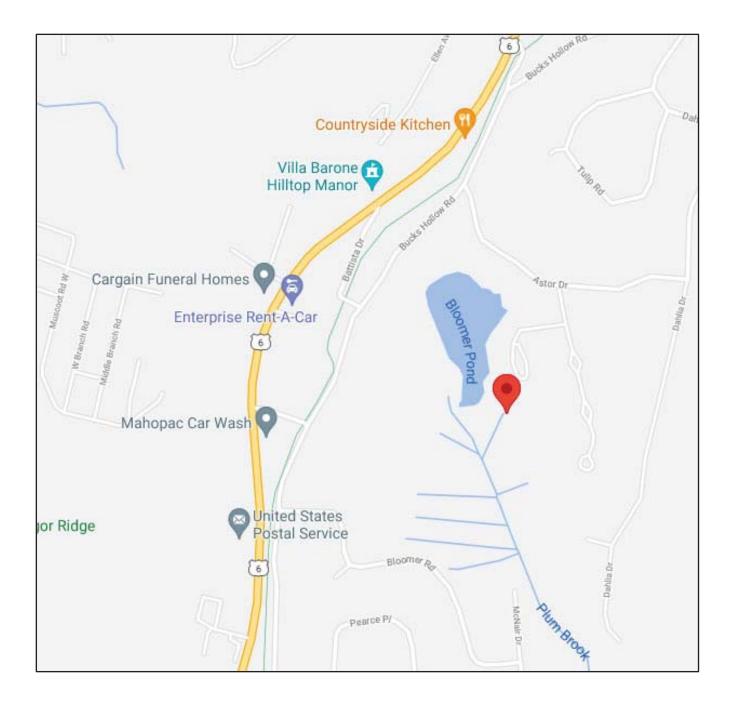
PARAMETER	RESULTS AUGUST	RESULTS SEPTEMBER	RESULTS NOVEMBER
	SAMPLE	SAMPLE	SAMPLE
Ammonia as Nitrogen (lb/day)	0.0008	0.00047	-
Arsenic (lb/day)	-	< 0.000009	-
BOD/5day (lb/day)	< 0.0186	<0.186	-
Cadmium (lb/day)	-	< 0.000005	-
Chlorine Demand (lb/day)	0.0093	-	-
Chromium (lb/day)	-	0.000019	-
COD (lb/day)	0.275	-	-
Copper (lb/day)	-	0.0001	-

Table 2. Backwash Test Results

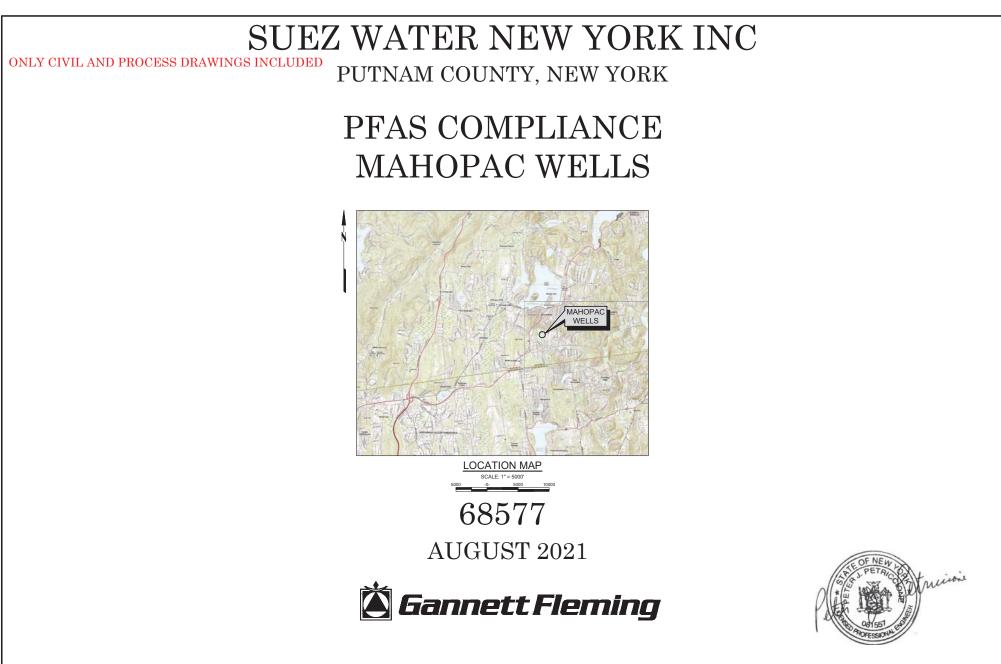


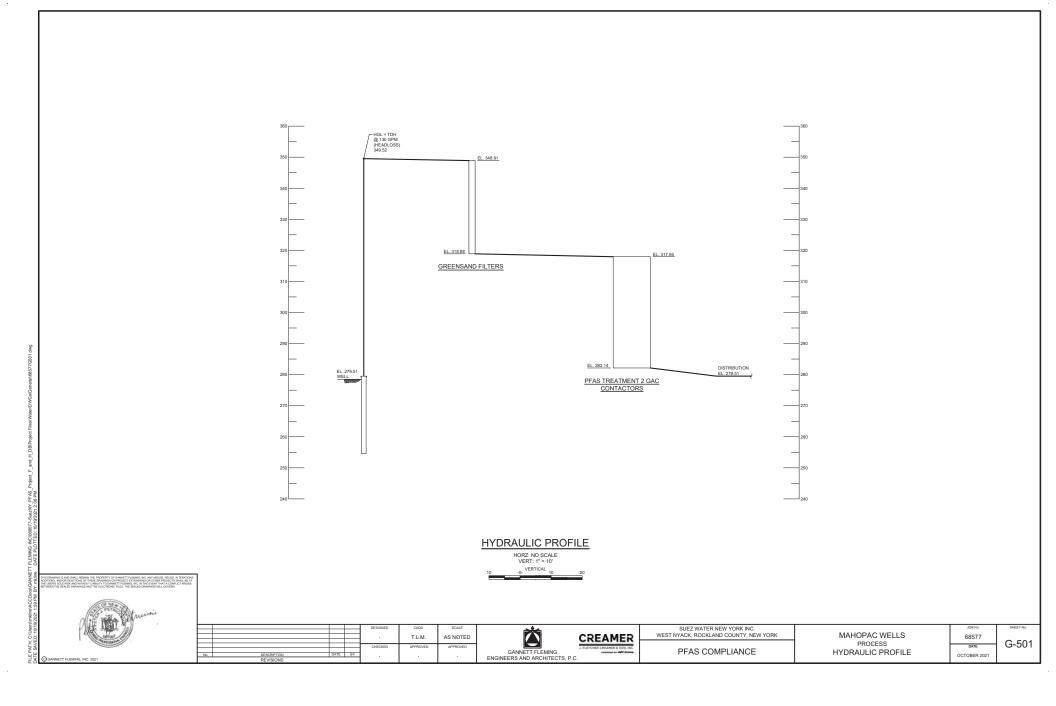
PARAMETER	RESULTS AUGUST SAMPLE	RESULTS SEPTEMBER SAMPLE	RESULTS NOVEMBER SAMPLE
Iron (lb/day)	-	-	0.163
Lead (lb/day)	-	0.000014	-
Manganese (lb/day)	-	0.0717	0.239
Mercury (lb/day)	-	< 0.0000009	-
Molybdenum (lb/day)	-	< 0.000017	-
Nickel (lb/day)	-	0.000061	-
Nitrogen (lb/day)	0.0028	-	-
Oil and Grease (lb/day)	< 0.0065	< 0.0065	-
рН	7.92	-	-
Phosphorus as P (lb/day)	0.0005	0.00095	-
Selenium (lb/day)	-	< 0.000023	-
Silver (lb/day)	-	0.000009	-
Total Cyanide (lb/day)	-	< 0.000093	-
Total Suspended Solids (lb/day)	0.466	0.978	-
Zinc (lb/day)	-	0.00137	-

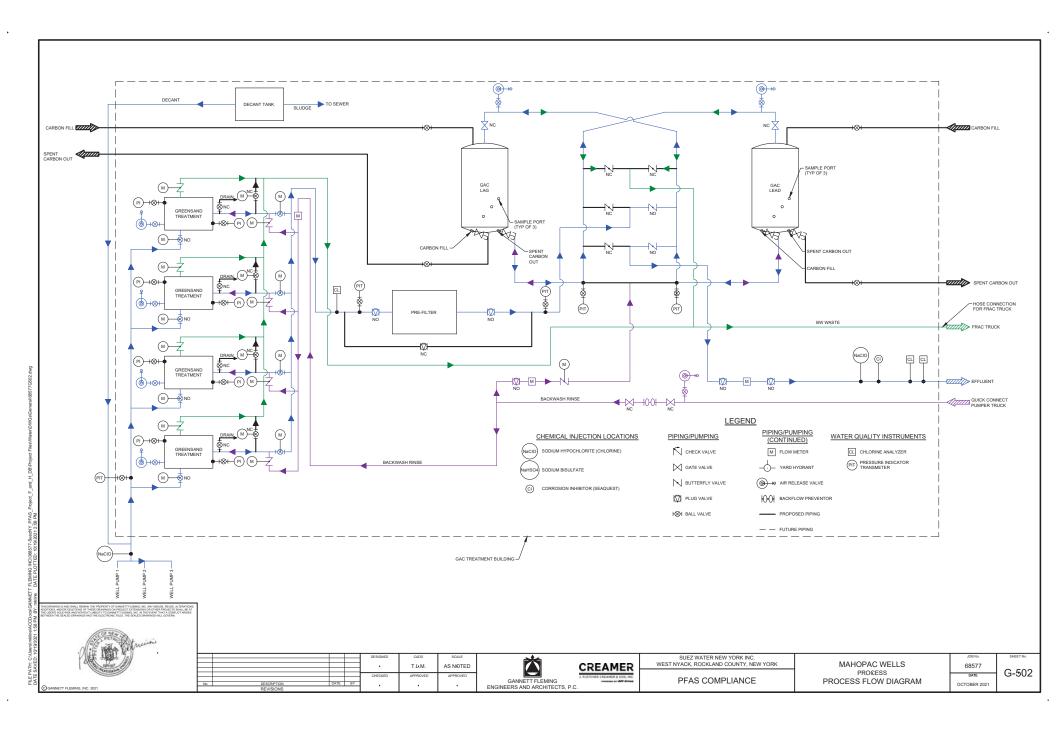
APPENDIX A LOCATION MAP



MAHOPAC WELLS LOCATION MAP APPENDIX B CIVIL AND PROCESS DESIGN DRAWINGS







* * * * STABILIZED TURF		 INFORMATION SHOWN HEREIN IS BASED ON FIELD SURVEY PERFORMED BY ATZI, NASHER & ZIGLER P.C. APRIL AND MAY 2021. 	EX - EXISTING		D —	DRAIN
	GAS MAIN AND VALVE	4 FROM INVESTIGATIONS AND FIFLD SURVEYS IT IS ASSUMED THAT LOCATIONS OF PHYSICAL	FT - FOOT OR	EET	DR -	DRIVE
CIVIL/SITE SYMBOLS	============ GRAVEL OR EARTH DRIVES	CONDITIONS, UTILITIES, ETC., ARE APPROXIMATE AND THE NATURE OF MATERIALS IS NOT GUARANTEED.	GC – GENERAL	CONTRACT	FH -	FIRE HYDRANT
O - AIR RELEASE MANHOLE	C MISCELLANEOUS UTILITY	5. THE CONTRACTOR SHALL BE REQUIRED TO VERIFY ALL CONDITIONS AND DIMENSIONS OF THE JOB	ID – INSIDE DIA		G —	GAS
BENCH MARK	TWO FOOT CONTOUR INTERVAL	SITE BEFORE PROCEEDING WITH THE WORK AND SHALL MAKE MINOR ADJUSTMENTS AS REQUIRED ON THE JOB. SUCH ADJUSTMENTS ARE TO BE APPROVED BY THE ENGINEER AND THE OWNER.	INV - INVERT		GCB -	GAS CURB BOX
- BORING	OVERHEAD ELECTRIC LINE	 LOCATION AND DEPTH OF EXISTING UTILITY LINES INCLUDING SERVICES SHALL BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE NEW ITILITIES CONSTRUCTION EXTREME CARE SHALL BE 	MAX — MAXIMUM			GAS VALVE
BUTTERFLY VALVE AND VALVE BOX	T OVERHEAD TELEPHONE LINE	EXERCISED WHEN EXCAVATION EXISTING UTILITIES CONSTRUCTION. EXTREME CARE SHALL BE EXERCISED WHEN EXCAVATING EXISTING UTILITY LINES, HAND EXCAVATION ONLY WILL BE PERMITTED IN THE VICINITY OF EXISTING PIPES ANJOR CONDUITS. ANY DAMAGE TO UTILITIES SHALL REPAIRED		AL CONTRACT	HYD -	HYDRANT
CATCH BASIN/INI ET	PROPERTY LINE	BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.	MIN - MINIMUM	ALCONTRACT	IP -	IRON PIN
	RIGHT-OF-WAY LINE	 THE CONTRACTOR SHALL SUSTAIN IN THEIR PLACES AND PROTECT FROM DIRECT OR INDIRECT INJURY ALL PIPES, CONDUITS, TRACKS, UTILITY POLES, GUIDE RAILS, GUARD POSTS, WALLS, 			MAC -	MACADAM
△ - CONTROL POINT		FOUNDATIONS, BUILDINGS, AND OTHER STRUCTURES OR PROPERTY IN THE VICINITY OF HIS WORK, WH ABOVE OR BELOW GROUND. OR THAT MAY APPEAR IN THE TRENCH. PIPES AND				
- EXISTING GAS VALVE	s	UNDERGROUND CONDUITS EXPOSED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE ADEQUATELY SUPPORTED ALONG THEIR ENTIRE EXPOSED LENGTHS.	NTS - NOT TO S		мн —	MANHOLE
		8. AT POINTS OF CONNECTION, CONTRACTOR SHALL EXPOSE EXISTING WATER MAINS TO VERIFY	OD - OUTSIDE		MJ —	MECHANICAL JOINT
- EXISTING GAS CURB BOX		LOCATION, GEOMETRY, AND MATERIAL REQUIREMENTS PRIOR TO ORDERING MATERIALS OR STARTING CONSTRUCTION OF ANY MAIN CONNECTING THERE TO.	PC - PLUMBING	CONTRACT	NC —	NETWORK CABLE
GATE VALVE AND VALVE BOX	uge UNDERGROUND ELECTRIC CABLE Ugt UNDERGROUND TELEPHONE CABLE		e — PLATE		oe —	OVERHEAD ELECTRICAL
			SHT - SHEET		от —	OVERHEAD TELEPHONE
💢 — ЦІСНТ			SQ – SQUARE		ب –	PROPERTY LINE
O – MANHOLE	WOOD OR VEGETATION LINE		STA - STATION		РМ —	PIPELINE MARKER
O – SIGN			TYP – TYPICAL		PC -	POINT OF CURVE
O – SIGNAL			W - WATER		PI —	POINT OF INTERSECTION
\emptyset - UTILITY POLE	PROPOSED LINE WORK		WW - WASTEWA	TER	РОВ —	POINT OF BEGINNING
TEST PIT			LOX - LIQUID OX	YGEN	POE -	POINT OF ENDING
TREES, BUSHES AND SHRUBS	PROPOSED PIPE (4" DIA. AND LARGER)				POL -	POINT ON LINE
O – VENT	PROPOSED PIPE (3" DIA. AND SMALLER)				PT -	POINT OF TANGENT
O - WATER CURB BOX	STORM SEWER AND INLET		MATERIAL		PVC -	POINT OF VERTICAL CUR
— EXISTING WATER VALVE	PROPERTY LINE		AL - ALUMINUM	1	PVT -	POINT OF VERTICAL TANK
°	RIGHT-OF-WAY LINE		ACP - ASBESTO	CEMENT PIPE	RD -	ROAD
ANY BORINGS, SOUNDINGS, TEST PILES,	TEMP. CONSTRUCTION EASEMENT LINE		CI - CAST IRO	4	110	
BSURFACE CONDITIONS AND LOCATIONS AND NATURE OF EXISTING	GRADING SLOPE		CIP - CAST IRO	I PIPE	RJ —	RESTRAINED JOINT
DERGROUND STRUCTURES SHOWN OR NCATED ON THIS DRAWING ARE FOR THE	SLOPE DIRECTION		CISP - CAST IRO	SOIL PIPE	RTE -	ROUTE
ORMATION OF THE OWNER AND IN NO ENT IS THIS INFORMATION TO BE INSIDERED AS PART OF THE CONTRACT.	LINE COMPOSITION		CMP - COBBUGA	TED METAL PIPE	RW —	RAW WATER
E PROJECT MANUAL.	PROPOSED FACILITIES SHOWN WITH HEAVIER AND			TED POLYVINYL CHLORIDE PIPE	s –	SANITARY SEWER
	BOLDER LINE WORK WITH CALLOUTS IN UPPERCASE LETTERS, EXISTING FACILITIES SHOWN WITH LIGHT LINE		CU – COPPER		sd —	STORM DRAIN
IS SHEET IS FOR CIVIL/SITE SYMBOLS AND BREVIATIONS ONLY REFER TO ARCHITECTURAL	WORK WITH CALLOUTS IN UPPER AND LOWERCASE LETTERS.				SEG -	SEGMENT
RUCTURAL, PROCESS, INSTRUMENTATION,	EXAMPLES:		Di Doonee i		ss –	STORM SEWER
CHANICAL AND ELECTRICAL DRAWINGS FOR MBOLS AND ABBREVIATIONS FOR THAT WORK.	Existing Callout PROPOSED CALLOUT		DIP - DUCTILE I		ST —	STREET
				SS REINFORCED PLASTIC	sws -	SHORT WATER SERVICE
			GI — GALVANIZ		UGE -	UNDERGROUND ELECTR
				ED DUCTILE IRON PIPE	UGT —	UNDERGROUND TELEPH
			HDPE - HIGH DEN	SITY POLYETHYLENE	w –	WATER
			PCCP - PRESTRE	SSED CONCRETE CYLINDER PIPE	VARG -	WEDGE ACTION RETAININ
			PEX - CROSS-LI	KED POLYETHYLENE	WCB -	WATER CURB BOX
			PVC - POLYVINY	L CHLORIDE PIPE	ws –	WATER SERVICE
IAWINGS/88577 SuezNY PFAS-Proj-F-And-HICI/IL/188577C1.dwg 8/2021 11:35 AM BY: jgriffle DATE PLOTTED: 10/19/2021 12:49 PM			RCCP - REINFORC	ED CEMENT CONCRETE PIPE	wv –	WATER VALVE
ND SHALL REMAIN THE PROPERTY OF GANNETT FLEMING, INC. ANY MISUSE, REUSE, ALTERATIONS, DELETIONS OF THESE DRAWINGS ON PROJECT EXTENSIONS OR OTHER PROJECTS SHALL BE AT ISK AND WITHOUT UNABLITY TO GANNETT FLEMING, INC. IN THE EVENT THAT A COMPLEX RABES			SS - STAINLES	S STEEL		
ED DRAWINGS AND THE ELECTRONIC FILES, THE SEALED DRAWINGS WILL GOVERN.			STL – STEEL			
A State And						
	DESIGNED CADD		SUEZ WATER NEW YORK INC. YACK, ROCKLAND COUNTY, NEW YORK	CIVIL		JOB No.
anso a	J.L.G. J.L.G. CHECKED APPROVED			GENERAL NOTES, LE	GENDS AND	68577 DATE
		GANNETT FLEMING	PFAS COMPLIANCE	ABBREVIATIO		1

SHADED FACILITIES

MASONRY WALL (PLANS AND SECTIONS) FILL CONCRETE (USED ON SECTIONS)

REINFORCED CONCRETE (USED ON SECTIONS)

DEMOLITION

4

EXISTING LINE WORK

AIR LINE

A A	AIR LINE
	BITUMINOUS ROAD SURFACE AND DRIVES
	CENTER LINE
	CONCRETE SIDEWALK OR RETAINING WALL
	DITCH, STREAM OR SWALE
x x	FENCE
<u> </u>	FIVE FOOT CONTOUR INTERVAL
G G G	GAS MAIN AND VALVE
============	GRAVEL OR EARTH DRIVES
c c	MISCELLANEOUS UTILITY
	TWO FOOT CONTOUR INTERVAL
OHE	OVERHEAD ELECTRIC LINE
TT	OVERHEAD TELEPHONE LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	SANITARY FORCE MAIN
so ^{MH} s	SANITARY SEWER AND MANHOLE
	STORM SEWER AND INLET
·	SOIL BOUNDARY LINE
	UNDERGROUND ELECTRIC CABLE
UGT UGT	UNDERGROUND TELEPHONE CABLE
ww ww	WASTEWATER MAIN
ww	WATER MAIN AND VALVE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	WOOD OR VEGETATION LINE

#### CIVIL SHEET REFERENCE LEGEND

## SECTION No.

#### GENERAL NOTES

- 1. ALL ELEVATIONS REFER TO U.S.G.S. NAVD 88 DATUM.
- 2. HORZONTAL CONTROL IS BASED UPON STATE PLANE COORDINATE SYSTEM.
- CLR CLEARANCE CENTERLINE CMU - CONCRETE MASONRY UNIT DIA – DIAMETER EC - ELECTRICAL CONTRACT
  - EL or ELEV ELEVATION

CIVIL/SITE ABBREVIATIONS

AVE - AVENUE

CB - CATCH BASIN

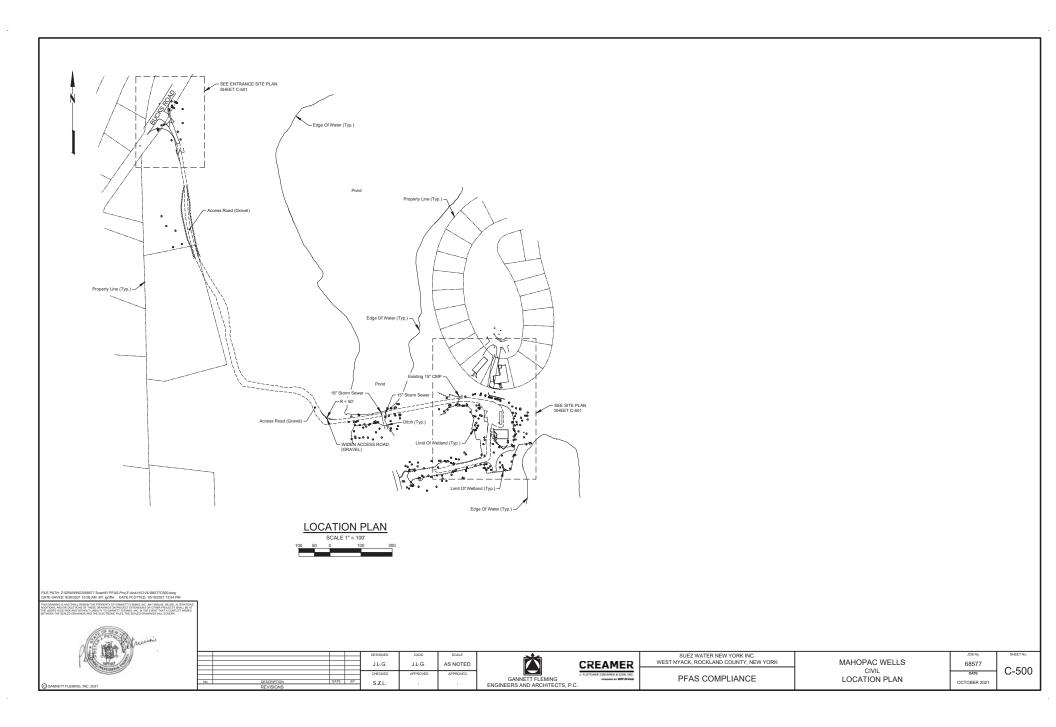
CIR - CIRCLE

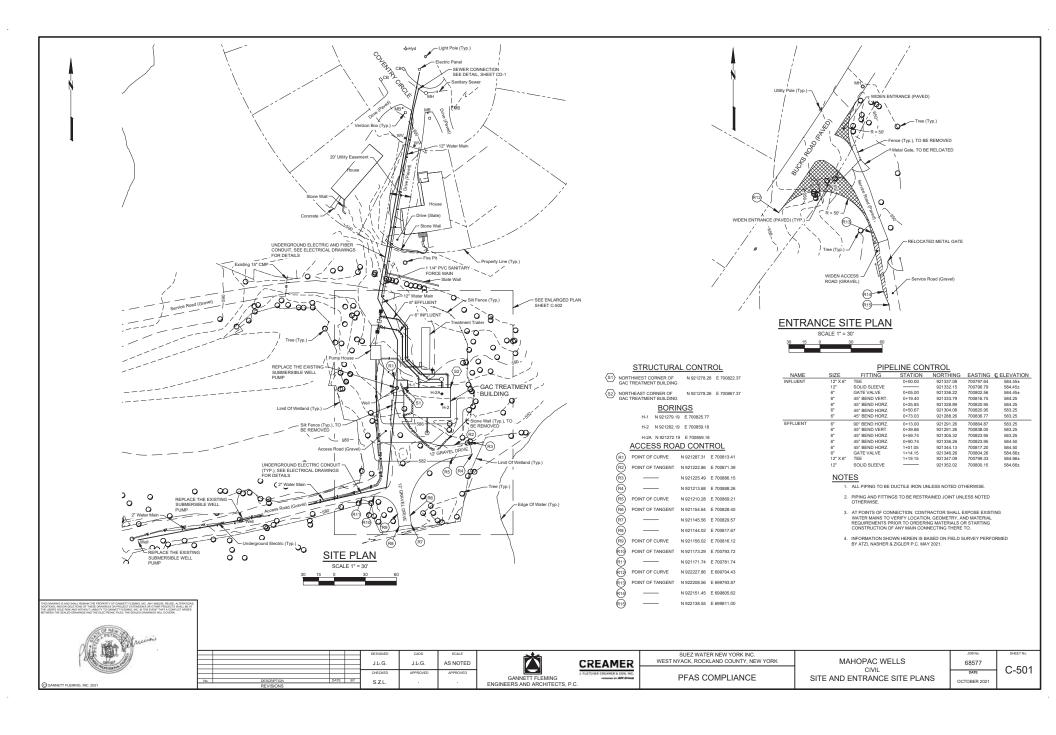
BIT - BITUMINOUS

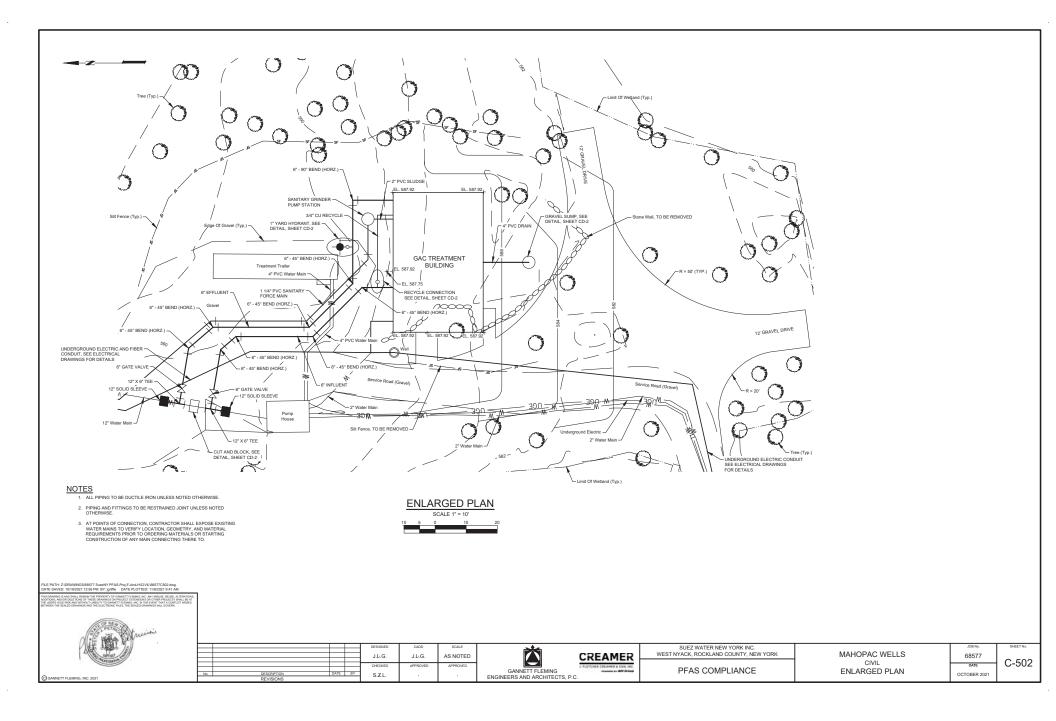
CC - CHEMICAL CONDUIT

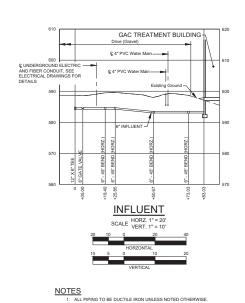
CM - CONCRETE MONUMENT

GENERAL ABBREVIATIONS

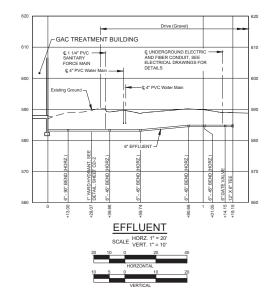




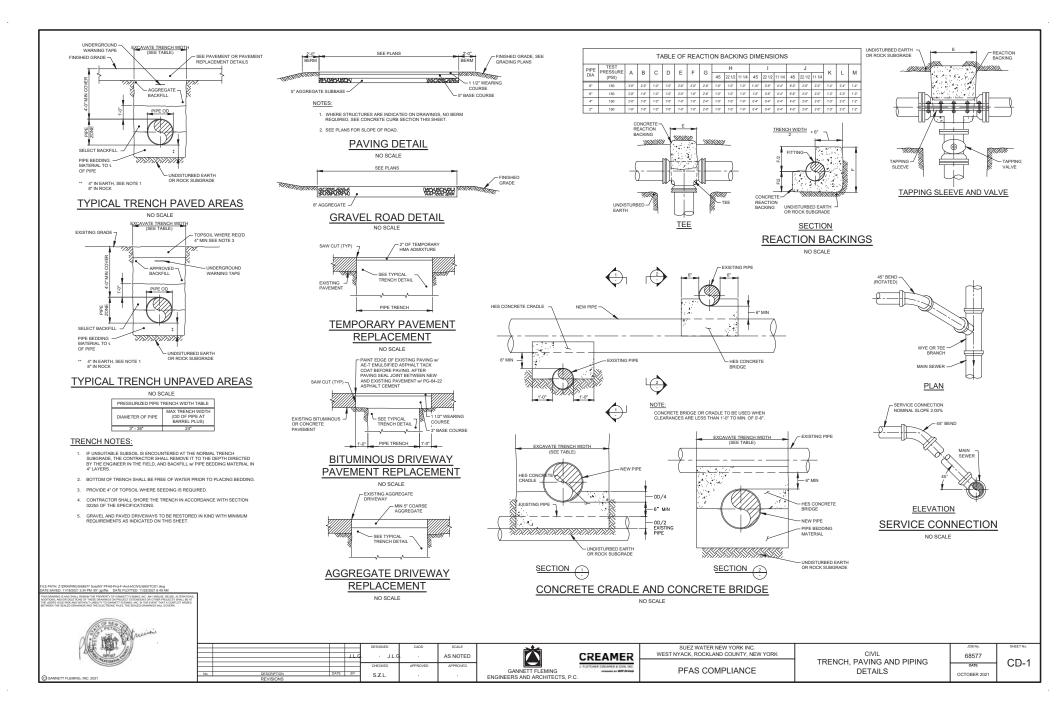


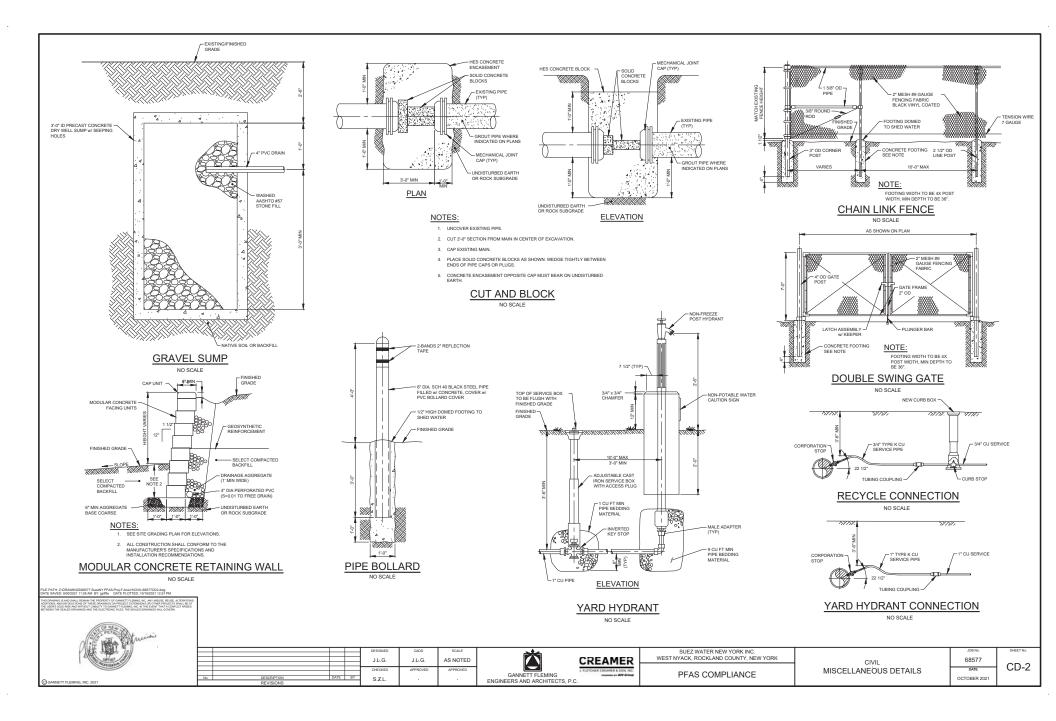


 PIPING AND FITTINGS TO BE RESTRAINED JOINT UNLESS NOTED OTHERWISE.
 A T POINTS OF CONNECTION, CONTRACTOR SHALL EXPOSE EXISTING WATER MANNE TO VERIFY LOCATION, GEOMETRY, AND MATERIAL REQUIREMENTS PRIOR TO ORDERING MATERIALS OR STARTING CONSTRUCTION OF ANY MAIN CONNECTING THREE TO.



THE FIRST STORENTS TO SHOP TO							
A Star With A Provincia							
A Contraction of the second se		J.L.G.	J.L.G. AS NOTED		SUEZ WATER NEW YORK INC. WEST NYACK, ROCKLAND COUNTY, NEW YORK	MAHOPAC WELLS CIVIL	ов №. внеет №. 68577 С-503
GGANNETT FLEMING, INC. 2021	No. DESCRIPTION DATE BY REVISIONS	CHECKED S.Z.L.	APPROVED APPROVED	GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.	PFAS COMPLIANCE	PROFILES	OCTOBER 2021





#### SHADED FACILITIES

$\boxtimes \boxtimes$	MAS
	FILL
	REI

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SONRY WALL (PLANS AND SECTIONS)

CONCRETE (USED ON SECTIONS) REINFORCED CONCRETE (USED ON SECTIONS)

#### CHEMICAL FEED SYSTEMS

	111107	CTEED OTOTEMO
А	_	ALUM
AC	_	ALTERNATE COAGULANT
AM	_	AMMONIA
CA	_	COAGULANT AID
CD	_	CHLORINE DIOXIDE
CI	-	CORROSION INHIBITOR
CL	-	CHLORINE
со	-	CARBON DIOXIDE
CP	-	COAGULANT POLYMER
CS	-	CAUSTIC SODA
F	-	FLUORIDE
FA	-	FILTER AID
FC	-	FERRIC CHLORIDE
FS	-	FERRIC SULFATE
HP	-	HYDROGEN PEROXIDE
HW	-	HOT WATER
к	-	POTASSIUM PERMANGANATE
L	-	LIME
0	-	OXYGEN
OZ	-	OZONE
PAC	-	POWDERED ACTIVATED CARBON
PACL	-	POLYALUMINUM CHLORIDE
s	-	SPARE
SA	-	SODA ASH
SB	-	SODIUM BISULFITE
SBP	-	SLUDGE BLANKET POLYMER
SC	-	SODIUM CHLORITE
SCP	-	SLUDGE CONDITIONER POLYMER
SHC	-	SODIUM HYPOCHLORITE
SO	-	SULFUR DIOXIDE
WCP	-	WASTEWATER CONDITIONER POLYMER
'X' D	-	'X' DRAIN
'X' F	-	'X' FILL
'X' V	-	'X' VENT

#### NOTE:

'X' - INSERT CHEMICAL ABBREVIATION AS REQUIRED. (EXAMPLE CSV - CAUSTIC SODA VENT)

Ëà		
ocs/GANNET BY: mkline	THIS DRAWNS IS AND SHALL REMAY THE PROPERTY OF GANNETT FLEMMS, INC. ANY MEUSE, REUSE, ALTERATIONS, ACOTTANS, AND/OR OLLETINGS OF THESE RAWINGS ON REDUCE EXTENSION OR OTHER PROJECTS SHALL BE AT THE LEAST SUGLES AND ANY OTHER LEAST THE SHALL BE ADDRESS OF THE ALTERATION OF THE SHALL BE AT THE LEAST SUGLES AND ANY OTHER LEAST THE SHALL BE ADDRESS OF THE ALTERATION OF THE SHALL BE ADDRESS	
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#### PROCESS PIPING ABBREVIATIONS

- AIR _ AIR
- в _ BELL
- BW _ BACKWASH WATER CE
  - _ CONTACTOR EFFLUENT _
- CI CLEARWELL INFLUENT D _ DRAIN
- FE FILTER EFFLUENT _
- _ FILTER INFLUENT
- FI FLG _ EL ANGE

FW

мw

PE

PS

RJ

RW

- FR _ FILTER RINSE
- _ FINISHED WATER GRANULAR ACTIVATED CARBON GAC _
- MJ _ MECHANICAL JOINT
  - MIXED WATER
  - _ PLAIN END
  - _ PLANT SERVICE
  - _ RESTRAINED JOINT
  - _ RAW WATER
- _ SL SLUDGE
- SW _ SETTLED WATER _
- V VENT WASTEWATER ww -
- w _ WATER
  - SAMPLE LINES
- CONTACTOR EFFLUENT SAMPLE CES _ CIS CLEARWELL INFLUENT SAMPLE _ FIS _ FILTER INFLUENT SAMPLE FES _ FILTER EFFLUENT SAMPLE
- FWS FINISHED WATER SAMPLE
- MWS _ MIXED WATER SAMPLE
- PES _ PLANT EFFLUENT SAMPLE
- PLANT INFLUENT SAMPLE PIS _
- RWS RAW WATER SAMPLE _

#### PROCESS FLOW ABBREVIATIONS

- CFM _ CUBIC FEET PER MINUTE
- CES CUBIC FEET PER SECOND
- FPS FEET PER SECOND
- GPM _ GALLONS PER MINUTE
- MGD MILLION GALLONS PER DAY

#### GENERAL ABBREVIATIONS

CLR	-	CLEARANCE
£	-	CENTERLINE

- CONCRETE MASONRY UNIT CMU _
- DIA _ DIAMETER
- FC ELECTRICAL CONTRACT -
- EL or ELEV _ ELEVATION
  - EX _ EXISTING
  - FT _ FOOT OR FEET
  - GC GENERAL CONTRACT _
  - ID INSIDE DIAMETER INV _ INVERT
  - MAX -MAXIMUM
  - MC MECHANICAL CONTRACT _
  - MIN _ MINIMUM
  - NA _ NOT APPLICABLE
  - NTS _ NOT TO SCALE
  - OD OUTSIDE DIAMETER
  - PLUMBING CONTRACT PC -
  - ę _ ΡΙ ΔΤΕ SHT _ SHEET
  - SO _ SOUARE
  - STA _ STATION
  - TYP _ TYPICAL
  - W WATER
  - WW -

CREAMER

THIS SHEET IS FOR PROCESS SYMBOLS AND ABBREVIATIONS ONLY. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SYMBOLS AND ABBREVIATIONS FOR THAT WORK.

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GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.

AS NOTED

WASTEWATER

SUEZ WATER NEW YORK INC.

WEST NYACK, ROCKLAND COUNTY, NEW YORK

PFAS COMPLIANCE

#### MATERIAL

- _ ALUMINUM
- ASBESTOS CEMENT PIPE _
- CI CAST IRON

AL

ACP

CPVC

- CIP _ CAST IRON PIPE
- CISP _ CAST IRON SOIL PIPE
- CORRUGATED METAL PIPE CMP _
  - _ CHLORINATED POLYVINYL CHLORIDE PIPE
- CU _ COPPER
- DI DUCTILE IRON
- DIP DUCTILE IRON PIPE
- FRP FIBERGLASS REINFORCED PLASTIC _
- GI _ GAI VANIZED IRON
- GLASS LINED DUCTILE IRON PIPE GLDIP _
- HDPE HIGH DENSITY POLYETHYLENE _
- PCCP _ PRESTRESSED CONCRETE CYLINDER PIPE
- PEX CROSS-LINKED POLYETHYLENE _
- PVC POLYVINYL CHLORIDE
- RCCP REINFORCED CEMENT CONCRETE PIPE _
- SS _ STAINLESS STEEL
- STL _ STEEL

#### PROCESS SHEET REFERENCE LEGEND



#### PROCESS INSTRUMENTATION **IDENTIFICATION LEGEND**

#### EQUIPMENT TAGGING

- X DENOTES MECHANICAL EQUIPMENT

X-NNN - LOOP NUMBER

* SEE INSTRUMENTATION DRAWINGS FOR INSTRUMENTATION IDENTIFICATION ABBREVIATIONS

#### **INSTRUMENT & FUNCTION TAGGING**



1.

PROCESS

PROCESS LEGEND AND ABBREVIATIONS

XXX=FUNCTIONAL INSTRUMENT IDENTIFICATION LETTERS FROM INSTRUMENT IDENTIFICATION

SEE INSTRUMENTATION DRAWINGS FOR INSTRUMENTATION IDENTIFICATION ABBREVIATIONS.

LINE COMPOSITION

NEW FACILITIES SHOWN WITH HEAVIER LINE WORK AND BOLDER TEXT THAN EXISTING FACILITIES.

68577

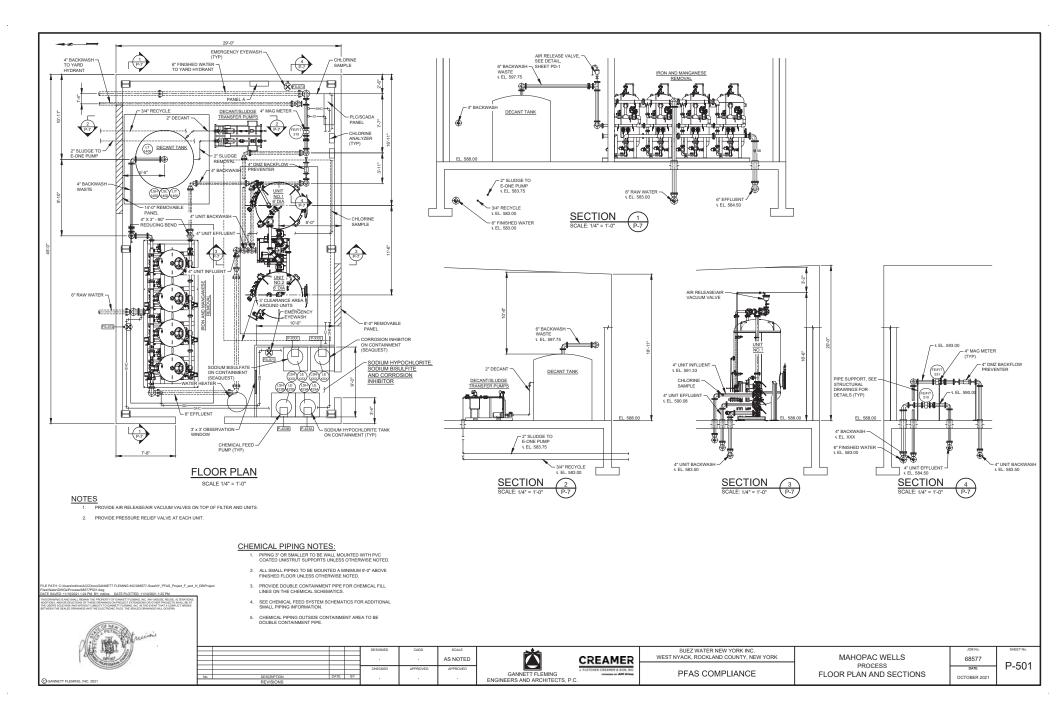
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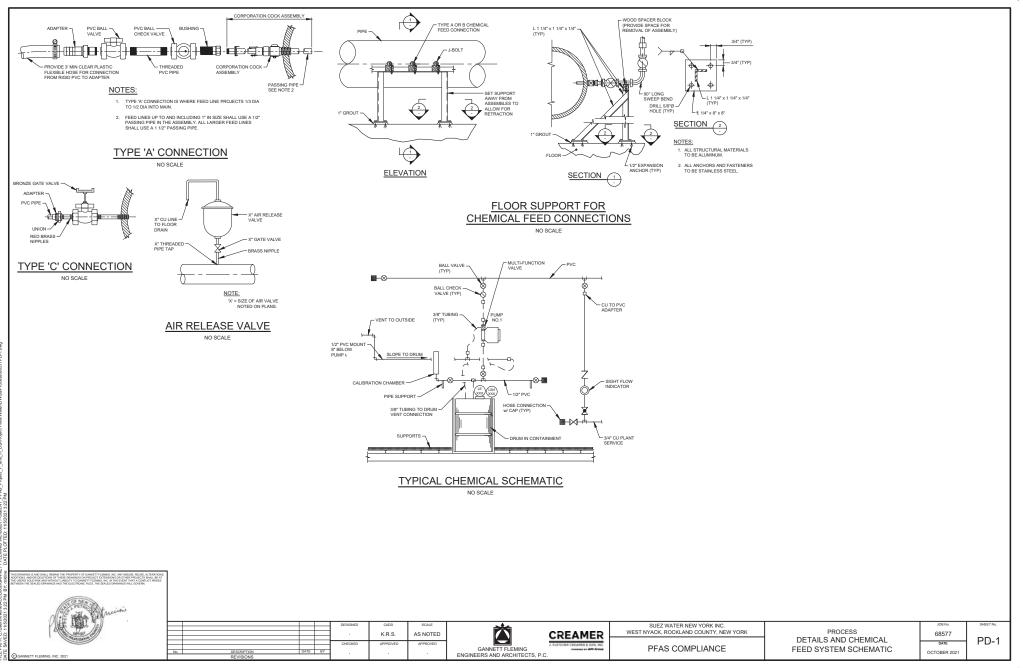
OCTOBER 2021

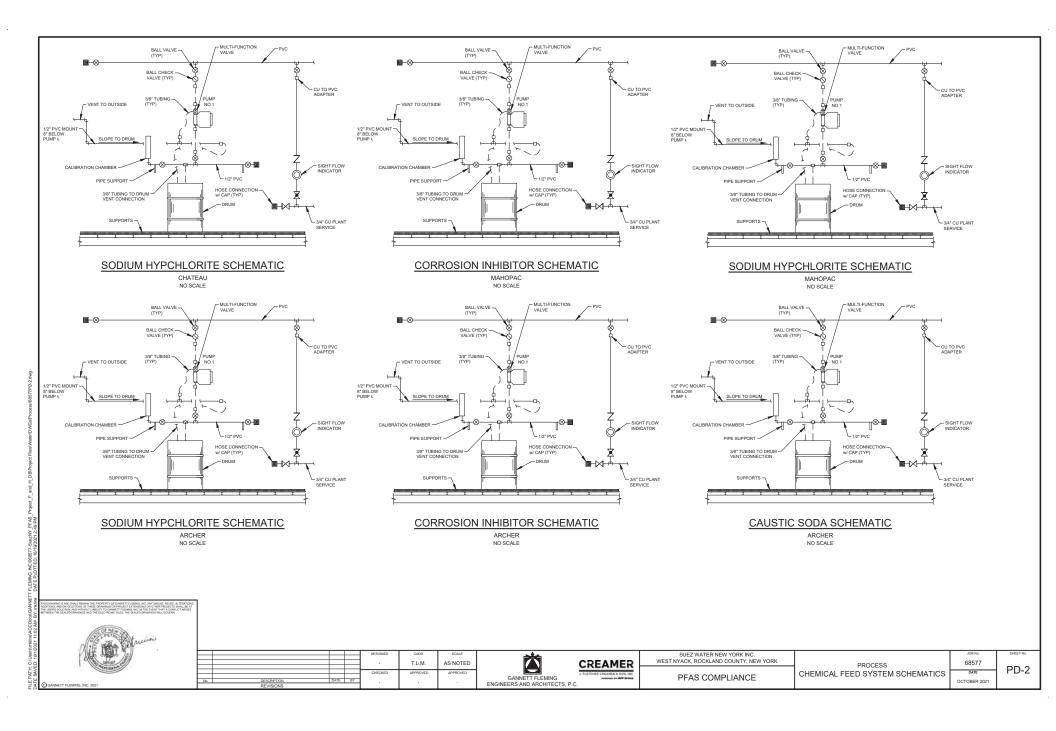
P-1

INSTRUMENTS IN LOOP WITH SAME FUNCTIONAL IDENTIFICATION. (USED AS REQ'D)

	WALL F	ITTINGS		PIPE FITTINGS (CONT.)		VALVE SYMBOLS				PIPE FITTINGS			VALVE OPERATOR		
	DESCRIPTION	SINGLE LINE	THREE LINE	DESCRIPTION	SINGLE LINE THREE LINE	DESCRIPTION	SINGLE LINE	THREE LINE PLAN	THREE LINE ELEVATION	DESCRIPTION	SINGLE LINE	THREE LINE	DESCRIPTION	SINGLE LINE	THREE LINE
	WALL SLEEVE CAULKED (P.E., F. & P.E.)	<del>       </del>		REDUCER		GATE			≫∉	CROSS			MANUAL OPERATOR	N.A.	BFV BFV
	WALL SLEEVE MODULAR TYPE SEAL (P.E., F. & P.E.)	╞╪϶	++++	ECCENTRIC REDUCER		BUTTERFLY				CROSS (VERT.)			CYLINDER OPERATOR	N.A.	
	WALL SLEEVE (M.J., F. & M.J.)	++++		BLIND FLANGE		BALL BALL CHECK				TEE	,±,		[		
	WALL PIPE (F., F. & F.)	++++	<b>∔</b> ‡‡	CLAMPED RESTRAINED COUPLING		CHECK				TEE (VERT. UP)		<b>=</b> \$			
	WALL PIPE (B., F. & B.)	+++	₽₽₽	MECHANICAL COUPLING		DIAPHRAGM	_\$-	N.A.	N.A.	TEE (VERT. DOWN)		#			
	WALL PIPE B., F. & F.)	++++	<del>〕</del>	RESTRAINED MECH. COUPLING		PLUG				90 ELBOW	-+7	=			
	WALL PIPE (M.J., F. & F.)	++++		FLANGED ADAPTOR		GLOBE		N.A.	N.A.	90 ELBOW (VERT. DOWN)	-+0	<b>=</b>			
	WALL PIPE (F., F. & P.E.)	++++	<b>≢</b> ‡‡	FLANGED ADAPTOR W/ ANCHOR STUDS	NA	PINCH		N.A.	N.A.	90 ELBOW (VERT. UP)	-+0	<b>-</b> ≢∳-			
	NOTE: APPLIES TO FL	OOR SLEEVES A	LSO.			NEEDLE	-₹	100	N.A.	90 LONG RADIUS	L.R.	LR.			
	PIPE JOINTS			CESSORIES	SOLENOID		N.A.	N.A.	ELBOW	- f					
6wp;	DESCRIPTION	SINGLE LINE		DESCRIPTION VENTURI METER		AIR RELEASE	N.A.	() ^{↑*AR} ⁺ ⁺ ⁺ ^{AR}		45 ELBOW	-+ _X				
Process (68577P.	FLANGE MECHANICAL JOINT			STRAINER		AIR VACUUM	N.A.	() 1° A.V.	TAV.	90 BASE ELBOW	<u>+</u> +-				
es/Water/DWGs/	RESTRAINED JOINT	() () ^{R.}	R	PRESSURE SWITCH	P.S. P.S.	COMBINATION AIR RELEASE - AIR/VACUUM	N.A.	() 1° CAV.		45^ WYE	-+	±₹			
H_DB(Project File	PUSH ON OR			PRESSURE GAUGE		KINETIC AIR VACUUM	N.A.	() ^{1° KAV.}		UNION (SCREWED)		N.A.			
Project_F_and_	BELL AND SPIGOT			PRESSURE GAUGE W/ PRESSURE SWITCH		KINETIC COMBINATION AIR RELEASE - AIR VACUUM	N.A.	() 1'KCAV		ADAPTOR		N.A.			
-Suez NY_PFAS_ /2021 2:48 PM	VICTAULIC			THERMOMETER		PRESSURE REDUCING		N.A.	NA.	HOSE CONNECTION		N.A.			
NG INC/068577- LOTTED: 10/19.	WELDED	N.A.		PROPELLER OR TURBINE METER	<u>—-[Х]</u> NА.	HOSE BIBB									
%GANNETT FLEM Y: mkline DATEF	RAWING IS AND SHALL REMAIN THE PROPERTY OF GAIN ONG, AND/OR DELETIONS OF THESE DRAWINGS ON PROJ ENT THE SEALED DRAWINGS AND THE ELECTRONC FLES	ETT FLEMING, INC. ANY IMSUSE, REUS IECT EXTENSIONS OR OTHER PROJUCE IEUMIS, INC. IN THE EVENT THAT A CO. THE SEALED DRAWINGS WILL GOVEF	IS, ALTERATIONS, 15 SHALL BE AT NGLICT ARISES N	MAGNETIC FLOWMETER		STOP AND DRAIN									
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DATE	SANNETT FLEMING, INC. 2021		No.	REVISIONS	DATE BY J.L.R.	. ENGIN	GANNETT FLEMIN EERS AND ARCHITE	CTS, P.C.						OCTOBER	2021







APPENDIX C BACKWASH LABORATORY TEST RESULTS



Friday, August 13, 2021

Attn: Roy Barticciotto CEMCO Water & Wastewater Specialists Inc 59 Healey Lane Stormville, NY 12582

Project ID:MAHPOPAC TREATMENT TRAILERSDG ID:GCI88573Sample ID#s: CI88573

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 UT Lab Registration #CT00007 VT Lab Registration #VT11301





### Sample Id Cross Reference

August 13, 2021

SDG I.D.: GCI88573

Project ID: MAHPOPAC TREATMENT TRAILER

Client Id	Lab Id	Matrix
BACKWASH	CI88573	WATER





### Analysis Report

FOR: Attn: Roy Barticciotto CEMCO Water & Wastewater Specialists Inc 59 Healey Lane Stormville, NY 12582

August 13, 2021

Sample Informa	ation	Custody Inform	nation	Date	Time
Matrix:	WATER	Collected by:		08/04/21	11:00
Location Code:	CEMCO	Received by:	LB	08/04/21	17:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					0010057

### Laboratory Data

SDG ID: GCI88573 Phoenix ID: CI88573

#### Project ID: MAHPOPAC TREATMENT TRAILER Client ID: BACKWASH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference	
B.O.D./5 day	< 4.0	4.0	mg/L	2	08/04/21 17:34	J/LJ	SM 5210B-11	
B.O.D./5 day End Incubation					08/09/21 15:00	J/LJ	SM 5210B-11	
Chlorine Demand	2.00	0.1	mg/L	1	08/13/21	KDB	SM2350	1
C.O.D.	59	10	mg/L	1	08/05/21	QH	SM 5220D-11	
Ammonia as Nitrogen	0.18	0.10	mg/L	2	08/11/21	KDB	E350.1	
Oil and Grease by EPA 1664A	< 1.4	1.4	mg/L	1	08/06/21	BJA	EPA 1664	
рН	7.92	1.00	pH Units	1	08/05/21 01:25	MW/EG	SM4500-H B-11	1
Nitrogen Tot Kjeldahl	0.60	0.20	mg/L	2	08/11/21	KDB	E351.1	
Phosphorus, as P	0.11	0.10	mg/L	10	08/06/21	JR	SM4500PE-11	
Total Suspended Solids	100	6.3	mg/L	1.3	08/05/21	MCH/QH	SM 2540D-11	

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL BRL=Below Reporting Level L=Biased Low

#### Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis, Shiller, Laboratory Director August 13, 2021 Reviewed and Released by: Helen Geoghegan, Project Manager





QA/QC Report

August 13, 2021

### QA/QC Data

SDG I.D.: GCI88573

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 586491 (pH), Q0	C Sample	No: C	:188378 (C	188573)									
рН			8.4	8.16	2.90	97.9						85 - 115	20
QA/QC Batch 586721 (mg/L), 0	QC Samp	ole No:	CI88387	(CI8857	3)								
Phosphorus, as P Comment:	BRL	0.01	0.019	0.022	NC	95.2			104			85 - 115	20
Additional criteria matrix spike ac	ceptance	range is	s 75-125%.										
QA/QC Batch 586589 (mg/L), 0	QC Samp	ole No:	CI88430	(CI88573	3)								
C.O.D. Comment:	BRL	10	31	31	NC	104			105			85 - 115	20
Additional criteria matrix spike ac	ceptance	range is	s 75-125%.										
QA/QC Batch 586542 (mg/L), 0	QC Samp	ole No:	CI88558	(CI88573	3)								
Total Suspended Solids	BRL	2.5	<3.3	<3.5	NC	93.0						85 - 115	20
QA/QC Batch 586394 (mg/L), 0	QC Samp	ole No:	CI88570	(CI88573	3)								
B.O.D./5 day	BRL	2.0	<4.0	<4.0	NC	100			92.5			70 - 130	20
B.O.D./5 day GGA BOD						111						84 - 115	20
QA/QC Batch 586699 (mg/L), 0	QC Samp	ole No:	CI89235	(CI88573	3)								
Oil and Grease by EPA 1664A Comment:	BRL	1.4	<1.4	<1.4	NC	103			97.0			85 - 115	20
Additional: MS acceptance range	975-125%	ó.											
QA/QC Batch 587135 (mg/L), 0	QC Samp	ole No:	CI88389	(CI88573	3)								
Ammonia as Nitrogen	BRL	0.05	21.8	21.9	0.50	96.1			101			90 - 110	20
Nitrogen Tot Kjeldahl Comment:	BRL	0.10	28.8	29.34	1.90	99.0			104			85 - 115	20
TKN is reported as Organic Nitro	gen in the	Blank,	LCS, DUP	and MS.									

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD** - Relative Percent Difference LCS - Laboratory Control Sample LCSD - Laboratory Control Sample Duplicate MS - Matrix Spike MS Dup - Matrix Spike Duplicate NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director August 13, 2021

Friday, Aug	ust 13, 2021		Sample Criteri	a Exceedances Report					
Criteria:	None		•	88573 - CEMCO					
State:	NY							RL	Analysis
SampNo	Acode	Phoenix Analyte	Criteria		Result	RL	Criteria	Criteria	Units
*** 11 D (	***								

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



NY # 11301

Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Comments

August 13, 2021

SDG I.D.: GCI88573

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



### **NY Temperature Narration**

August 13, 2021



SDG I.D.: GCI88573

The samples in this delivery group were received at 1.4°C. (Note acceptance criteria for relevant matrices is above freezing up to 6°C)

																				W(	t.f	>		
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Customer:	Cemco Water and Wastewater Sp	pecialists,	Inc.		_	Proj	ect:	M	ahop	ac Tre	eatm	ent Tr	ailer					Projec	ct P.	D:				
Address:	59 Healey Lane				-	Rep	ort to	: <u>C</u>	emco									Phone	e #:			8-971		
	Stormville, NY 12582				-	Invo	ice to	o: <u>C</u>	emco	·····								Fax #	:	8	15-87	8-657	'8	
Sampler's Signature	Client Sample - Information - Ide	entification	Date:	γIU		naly Requ	sis est		(Internet					$\left/\right)$				1	Malell	R ^Q		JH2	$\sim 1.0$	om
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Page 6 of



Monday, September 13, 2021

Attn: Roy Barticciotto CEMCO Water & Wastewater Specialists Inc 59 Healey Lane Stormville, NY 12582

Project ID:MAHOPAC TREATMENT TRAILERSDG ID:GCJ19988Sample ID#s: CJ19988

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 UT Lab Registration #CT00007 VT Lab Registration #VT11301





### Sample Id Cross Reference

September 13, 2021

SDG I.D.: GCJ19988

Project ID: MAHOPAC TREATMENT TRAILER

Client Id	Lab Id	Matrix
BACKWASH	CJ19988	WASTE WATER





### Analysis Report

Project ID:

FOR: Attn: Roy Barticciotto CEMCO Water & Wastewater Specialists Inc 59 Healey Lane Stormville, NY 12582

September 13, 2021

MAHOPAC TREATMENT TRAILER

Sample Informa	ation	Custody Inform	nation	Date	Time
Matrix:	WASTE WATER	Collected by:		09/03/21	11:00
Location Code:	CEMCO	Received by:	LB	09/03/21	17:05
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					0014000

### Laboratory Data

#### SDG ID: GCJ19988 Phoenix ID: CJ19988

#### Client ID: BACKWASH LOD/ RL/ Parameter Result PQL MDL Units Dilution Date/Time By Reference Silver 0.002 0.001 mg/L 1 09/08/21 ΕK E200.7 Arsenic < 0.002 0.002 mg/L 1 09/08/21 ΕK E200.7 < 0.001 0.001 09/08/21 Cadmium mg/L 1 ΕK E200.7 09/08/21 ΕK E200.7 Chromium 0.004 0.001 mg/L 1 0.022 0.003 09/08/21 E200.7 mg/L 1 ΕK Copper Mercury < 0.0002 0.0002 mg/L 1 09/08/21 AT E245.1 0.050 100 09/09/21 E200.7 Manganese 15.4 mg/L ΕK < 0.003 0.003 mg/L 1 09/08/21 ΕK E200.7 Molybdenum 0.013 0.001 09/08/21 E200.7 Nickel mg/L 1 ΕK 09/08/21 E200.7 Lead 0.003 0.001 mg/L 1 ΕK < 0.005 0.005 1 09/08/21 E200.7 Selenium mg/L ΕK 0.294 0.002 mg/L 1 09/08/21 ΕK E200.7 Zinc 30 09/03/21 17:05 SM 5210B-11 B.O.D./5 day < 40 40 mg/L A/LJ B.O.D./5 day End Incubation A/LJ SM 5210B-11 09/08/21 15:01 0.05 KDB E350.1 Ammonia as Nitrogen 0.10 mg/L 1 09/10/21 < 1.4 1.4 mg/L 1 09/11/21 MSF EPA 1664 Oil and Grease by EPA 1664A ARC/GD E335.4 < 0.020 0.020 mg/L 2 09/13/21 Total Cyanide 0.203 0.010 mg/L 1 09/09/21 JR SM4500PE-11 Phosphorus, as P 13 2.5 09/08/21 AMM/ARGSM 2540D-11 Total Suspended Solids 210 mg/L Completed 09/05/21 AB/AB E245.1 Mercury Digestion Completed 09/07/21 AG **Total Metals Digestion** Acrolein, Acrylonitrile, 2 CEVE 2-Chloroethyl vinyl ether ND 5.0 5.0 1 09/03/21 MH E624.1 As is ug/L ug/L Acrolein ND 5.0 1.0 1 09/03/21 MH E624.1 As is Acrylonitrile ND 5.0 0.50 ug/L 1 09/03/21 MH E624.1 As is

#### Project ID: MAHOPAC TREATMENT TRAILER Client ID: BACKWASH

Client ID. BACKWASH		RL/	LOD/					
Parameter	Result	RL/ PQL	MDL	Units	Dilution	Date/Time	By	Reference
Volotiloo								
Volatiles	ND	5.0	0.50		4	09/03/21	МН	E624.1
1,1,1-Trichloroethane	ND	5.0 5.0	0.50	ug/L	1 1	09/03/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND	5.0 5.0	0.50 0.50	ug/L ug/L	1	09/03/21	MH	E624.1
1,1,2-Trichloroethane	ND	5.0	0.50	ug/L ug/L	1	09/03/21	MH	E624.1
1,1-Dichloroethane				-			MH	E624.1
1,1-Dichloroethene	ND	5.0	0.50	ug/L	1	09/03/21 09/03/21	MH	E624.1
1,2-Dichlorobenzene	ND	5.0	0.50	ug/L	1		MH	E624.1
1,2-Dichloroethane	ND	5.0	0.50	ug/L	1	09/03/21		
1,2-Dichloropropane	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
1,3-Dichlorobenzene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
1,3-Dichloropropene	ND	5.0	5.0	ug/L	1	09/03/21	MH	2024.1
1,4-Dichlorobenzene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Benzene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Bromodichloromethane	9.1	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Bromoform	0.89	J 5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Bromomethane	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Carbon tetrachloride	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Chlorobenzene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Chloroethane	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Chloroform	9.5	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Chloromethane	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Dibromochloromethane	6.3	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Ethylbenzene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
m&p-Xylenes	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Methyl t-butyl ether (MTBE)	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Methylene chloride	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
o-Xylene	ND	5.0	0.45	ug/L	1	09/03/21	MH	E624.1
Tetrachloroethene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Toluene	0.52	J 5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Total Xylenes	ND	5.0	5.0	ug/L	1	09/03/21	MH	E624.1
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Trichloroethene	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Trichlorofluoromethane	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
Vinyl chloride	ND	5.0	0.50	ug/L	1	09/03/21	MH	E624.1
QA/QC Surrogates		0.0			•			
% 1,2-dichlorobenzene-d4	101			%	1	09/03/21	МН	70 - 130 %
% Bromofluorobenzene	97			%	1	09/03/21	MH	70 - 130 %
% Dibromofluoromethane	106			%	1	09/03/21	MH	70 - 130 %
	100			%	1	09/03/21	MH	70 - 130 % 70 - 130 %
% Toluene-d8	102			/0	I	09/03/21		10 - 130 /0

#### Project ID: MAHOPAC TREATMENT TRAILER Client ID: BACKWASH

		RL/	LOD/					
Parameter	Result	PQL	MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

#### Comments:

Total Cyanide:

Chlorine was present; Sample was de-chlorinated prior to digestion/analysis. (EPA requires dechlorination at time of sampling.) A sample bias can not be ruled out.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director September 13, 2021 Reviewed and Released by: Helen Geoghegan, Project Manager



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 NY # 11301

Tel. (860) 645-1102 Fax (860) 645-0823

### QA/QC Report

September 13, 2021

### QA/QC Data

SDG I.D.: GCJ1998
JUG 1.D., GUJ 1990

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 590698 (mg/L), C	C Sam	ple No: (	CJ19853	(CJ1998	88)								
Mercury - Water	BRL	0.0002	< 0.0002	<0.0002	NC	96.0			99.9			80 - 120	20
Comment:													

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 590802 (mg/L), QC Sample No: CJ20437 (CJ19988)

#### ICP Metals - Aqueous

Arsenic	BRL	0.0020	<0.002	<0.0020	NC	97.5	97.0	0.5	96.2	80 - 120	20
Cadmium	BRL	0.0005	< 0.001	<0.0005	NC	97.2	96.8	0.4	93.0	80 - 120	20
Chromium	BRL	0.0005	<0.001	0.0007	NC	97.6	96.8	0.8	94.3	80 - 120	20
Copper	BRL	0.0025	0.009	0.0084	NC	101	100	1.0	102	80 - 120	20
Lead	BRL	0.0010	< 0.001	<0.0010	NC	98.7	98.6	0.1	95.8	80 - 120	20
Manganese	BRL	0.0005	0.160	0.160	0	98.9	98.6	0.3	95.0	80 - 120	20
Molybdenum	BRL	0.0025	< 0.003	<0.0025	NC	100	99.0	1.0	97.2	80 - 120	20
Nickel	BRL	0.0005	0.005	0.0045	10.5	98.7	98.4	0.3	94.8	80 - 120	20
Selenium	BRL	0.0050	<0.005	<0.0050	NC	90.9	90.8	0.1	88.9	80 - 120	20
Silver	BRL	0.0005	< 0.001	<0.0005	NC	95.4	95.8	0.4	96.4	80 - 120	20
Zinc	BRL	0.0020	0.083	0.0819	1.30	95.8	95.4	0.4	94.5	80 - 120	20
Comment:											

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.





# QA/QC Report

September 13, 2021

### QA/QC Data

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 591319 (mg/L), C	C Samp	ole No: (	CJ21229	(CJ1998	88)								
Total Cyanide	BRL	0.010	0.102	0.103	1.00	102			94.0			90 - 110	20
Comment:													
Additional: LCS acceptance range	e is 80-12	0% for s	oils MS ac	ceptance	range 7	75-125%	for soils						
QA/QC Batch 590611 (mg/L), C	C Samp	ole No: (	CJ19902	(CJ1998	88 (10X	))							
B.O.D./5 day	BRL	2.0	<4.0	<4.0	NC	102			104			70 - 130	20
B.O.D./5 day GGA BOD						107						84 - 115	20
QA/QC Batch 590946 (mg/L), C	C Samp	ole No: (	CJ19903	(CJ1998	88)								
Total Suspended Solids	BRL	2.5	6.7	7.3	NC	108						85 - 115	20
QA/QC Batch 591534 (mg/L), C	C Samp	ole No: (	CJ19988	(CJ1998	88)								
Oil and Grease by EPA 1664A Comment:	BRL	1.4				96.0	98.0	2.1				85 - 115	20
Additional: MS acceptance range	75-125%												
QA/QC Batch 591165 (mg/L), C	C Samp	ole No: (	CJ20520	(CJ1998	38)								
Phosphorus, as P Comment:	BRL	0.01	4.10	4.19	2.20	97.8			101			85 - 115	20
Additional criteria matrix spike acc	eptance	range is	75-125%.										
QA/QC Batch 591233 (mg/L), C	C Samp	le No: (	CJ19322	(CJ1998	88)								
Ammonia as Nitrogen	BRL	0.05	<0.10	0.12	NC	94.9			100			90 - 110	20





# QA/QC Report

### September 13, 2021

### QA/QC Data

SDG I.D.: GCJ19988

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 590759 (ug/L), Q0	C Samp	le No: CJ19372 (CJ19988)								
Volatiles - Waste Water	-									
1,1,1-Trichloroethane	ND	1.0	84	84	0.0				75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	81	80	1.2				60 - 140	20
1,1,2-Trichloroethane	ND	1.0	90	89	1.1				71 - 129	20
1,1-Dichloroethane	ND	1.0	95	92	3.2				72 - 128	20
1,1-Dichloroethene	ND	1.0	81	81	0.0				50 - 150	20
1,2-Dichlorobenzene	ND	1.0	87	86	1.2				63 - 137	20
1,2-Dichloroethane	ND	1.0	91	89	2.2				68 - 132	20
1,2-Dichloropropane	ND	1.0	98	98	0.0				40 - 160	20
1,3-Dichlorobenzene	ND	1.0	92	90	2.2				73 - 127	20
1,4-Dichlorobenzene	ND	1.0	85	84	1.2				63 - 137	20
2 chlorethyl vinyl ether	ND	1.0	84	80	4.9				50 - 150	20
Acrolein	ND	5.0	90	88	2.2				50 - 150	20
Acrylonitrile	ND	5.0	83	80	3.7				50 - 150	20
Benzene	ND	0.70	97	95	2.1				64 - 136	20
Bromodichloromethane	ND	0.50	92	91	1.1				65 - 135	20
Bromoform	ND	1.0	77	75	2.6				71 - 129	20
Bromomethane	ND	1.0	90	89	1.1				40 - 160	20
Carbon tetrachloride	ND	1.0	91	91	0.0				73 - 127	20
Chlorobenzene	ND	1.0	89	87	2.3				66 - 134	20
Chloroethane	ND	1.0	89	89	0.0				40 - 160	20
Chloroform	ND	1.0	90	89	1.1				67 - 133	20
Chloromethane cis-1,2-Dichloroethene	ND ND	1.0 1.0	93 99	93 99	0.0 0.0				40 - 160 69 - 131	20 20
cis-1,2-Dichloropropene	ND	0.40	99 101	99 99	2.0				40 - 160	20
Dibromochloromethane	ND	0.40	87	83	2.0 4.7				67 - 133	20
Ethylbenzene	ND	1.0	91	88	3.4				59 - 141	20
m&p-Xylene	ND	1.0	91	90	1.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	94	92	2.2				70 - 130	30
Methylene chloride	ND	1.0	98	97	1.0				60 - 140	20
o-Xylene	ND	1.0	96	93	3.2				70 - 130	30
Tetrachloroethene	ND	1.0	83	83	0.0				73 - 127	20
Toluene	ND	1.0	93	91	2.2				74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	92	92	0.0				69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	96	94	2.1				50 - 150	20
Trichloroethene	ND	1.0	87	86	1.2				66 - 134	20
Trichlorofluoromethane	ND	1.0	82	82	0.0				48 - 152	20
Vinyl chloride	ND	1.0	93	94	1.1				40 - 160	20
% 1,2-dichlorobenzene-d4	103	%	97	98	1.0				70 - 130	30
% Bromofluorobenzene	99	%	101	100	1.0				70 - 130	30
% Dibromofluoromethane	127	%	101	103	2.0				70 - 130	30
% Toluene-d8	104	%	102	102	0.0				70 - 130	30

								%	%
	Blk	LCS	LCSD	LCS	MS	MSD	MS	Rec	RPD
Parameter	Blank RL	%	%	RPD	%	%	RPD	Limits	Limits

Comment:

The MS/MSD are not reported for this batch.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD** - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director September 13, 2021

Monday, Sep	otember 13, 2021		Sample Cr	iteria Exceedances Report					
Criteria:	None			GCJ19988 - CEMCO					
State:	NY							RL	Analvsis
SampNo	Acode	Phoenix Analyte	Criteria	Res	sult	RL	Criteria	Criteria	Units
*** No Data t	to Display ***								

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



NY # 11301

Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### **Analysis Comments**

September 13, 2021

SDG I.D.: GCJ19988

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



### **NY Temperature Narration**

September 13, 2021



SDG I.D.: GCJ19988

The samples in this delivery group were received at 1.4°C. (Note acceptance criteria for relevant matrices is above freezing up to 6°C)

	ental Laboratories, Inc.			587 E	East N Emai	/liddle I: info Clie	Turn @pho nt S	pike, enixla	P.O. abs.c <b>ces</b>	Box 3 om ( <b>86</b>	5TO 570, M Fax 6) 6	anch (860) <b>45-8</b>	ester, ) 645- 8 <b>726</b>	CT 0	6040		τt v	C X			Fax # Emai	ŧ: l:	Cem		'g Ogmail	of .com	
Customer:	Cemco Water and Wastewater Sp	ecialists,	Inc.		-	Proj					c Tre	atme	ent T	raile	<u>r</u>						ject l						
Address:	59 Healey Lane				-	-	ort t		Cer												one #	<u>.</u>			-971		
	Stormville, NY 12582				-	Invo	pice t	0:	Cer	nco										Fax	:#:		845	6-878	-657	8	
Sampler's Signature Matrix Code:	Client Sample - Information - Iden	ntification	Date:	3		Analy Requ															Bisunale	21/12	51 5	TH ST	1112	2ª 100	ari ari
DW=drinking water GW=groundwater	WW=wastewater S=soil/solid O=oil SL=sludge A=air X=othe	r	1	I		/						\$	AND TR					\$ 14 5 (S)	Methar	ol l	nainer	JID	1000ml	250m	19	5011	50ml offic
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled		<u>3/ z</u>	3/3	aride 63	<u>4 (</u>	3 ¹³¹⁵ (1	and gr	norila +	/+	/_		<b>1</b> 35		N ^{OR}		SOL S	niamer Chianes	Arris		122		Boul Ba	50ml Bottle
19988	backwash	ww	9/3/2021	11am	x																						
	backwash	ww	9/3/2021	11am		x																					
	backwash	ww	9/3/2021	11am			x																				
	backwash	ww	9/3/2021	11am				x																			
	backwash	ww	9/3/2021	11am				x																			
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	backwash	ww	9/3/2021	11am					x																		
	backwash	ww	3-Sep	11am						x																	
	backwash	ww	3-Sep	11am							x																
Comments, Special	Accepted by: Mansa Ha Il Requirements or Regulations: NO PLENOIS PER	DS)	4		3		13	me:	5	☐ 1 ☐ 2 ☐ 3 ⊠ Si ☐ 0 * SUF	aroun Day* Days' Days' tandar ther RCHAR PPLIE	d RGE		on-Re npact leanu W Cr		iteria N Soi eria	I		AGM Y375 Dil Y375 Dil Y375 Dn-Re	4046 Unre Resi	GW SOIL estricted identii rricted	ed al		Excel PDF GIS/K EQuIS NJ Ha NJ Ha Other <b>Pac</b> NJ Re	nix Sto ey azsite Z EDD <b>kage</b> aduced	EDD ) (ASF	2)

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Time

13:09

17:22

Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

### Analysis Report

December 02, 2021

FOR: Attn: Roy Barticciotto CEMCO Water & Wastewater Specialists Inc 59 Healey Lane Stormville, NY 12582

Sample Informa	ation	Custody Inform	nation	Date
Matrix:	DRINKING WATER	Collected by:		11/22/21
Location Code:	CEMCO	Received by:	CP	11/23/21
Rush Request:	Standard	Analyzed by:	see "By" below	
P.O.#:		Labauatam	Data	SDG I

Laboratory Data

SDG ID: GCJ84535 Phoenix ID: CJ84537

#### MAHOPAC TREATMENT TRAILER Project ID:

TREATMENT TRAILER WASTE Client ID:

Parameter	Result	RL/ PQL	DIL	Units	AL MCL	MCLG Date/Time	By	Reference
Iron	35.1	0.20	1	mg/L	0.3	11/27/21	CPP	E200.7
*** Iron exceeds MCL levels Manganese *** Manganese exceeds MC	51.4	0.20	10	mg/L	0.3	12/01/21	EK	E200.7
Total Metal Digestion	Completed					11/24/21		E200.5/E200.7

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

#### Comments:

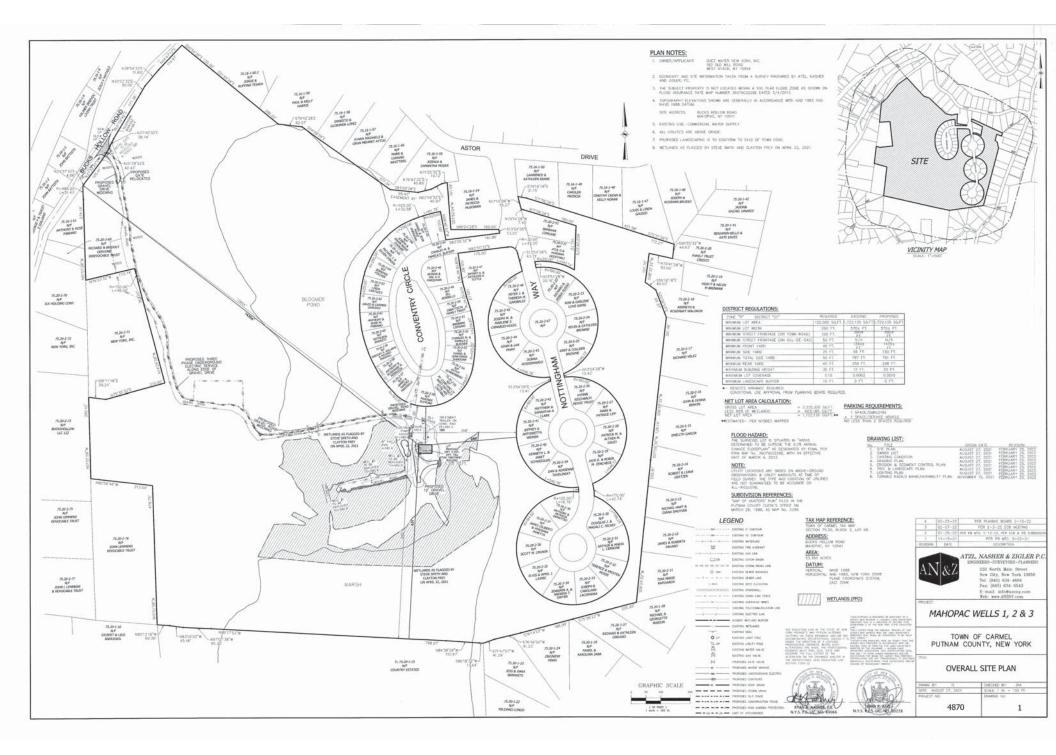
Maximum Contaminant Level (MCL): New York State Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143 Secondary Goals. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

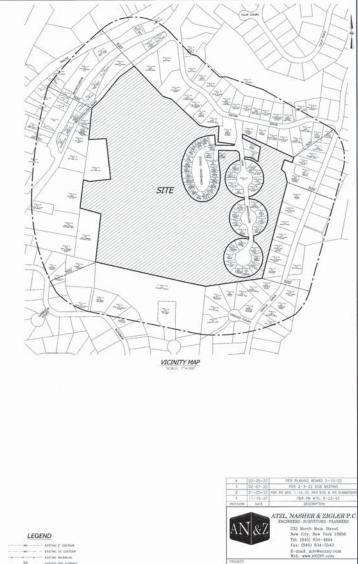
If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director December 02, 2021 Reviewed and Released by: Helen Geoghegan, Project Manager

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75,16-1-1	GEORGE P & TRACEY E SHUAND 149 BUCKS HOLLOW ROAD WARKPAC, NY 10541	75.16-1-41	MATTHEW & CARALYN TURRONE 753 OANLA DRYE MANDAC, NY 10541	75.20-2-29	JACK D. & ROEN M. ZENCHECK 33 NOTENGAGE WAT MANOFAC, NY 10541				Rel h	TITE	ALI STA	t.			1400		
75.10-1-2	JOHN BATISTA 157 BUCKS HOLLOW BOAR MAHOPAC, NY 10541	75.16-2-10	NORBERT VOQ. 8. ASTOR DRIVE MARCERC, NY 30541	75.20-2-30	DOUCLAS J & MACHLI C. HONEY 37 NOTENCHAM WAY MAHOPAC, NY 10541				TIT	HAA	HA ///			1	SANA TA		
25.16-1-3	JOHN BATTISTA 165 BUCKS HOLLOW ROAD MARCERAC, NY 10543	75-16-2-11	DONAL K & NEAGAN M HARTNETT 12 ASTOR DRVE MARCARY, NY 32541	75.20-2-31	ARTHUR & MARA L CORBONE 39 NOTENGHAM WAY MAROPAE, NY 10541	_		JP r	T XI	(HAR)					STAL 1	XX	THE
5,16-1-4	KALINDAL, INT 10541 KALINDI WREVOC UVING TRUST 163 RUCKS HOLLOW RDAD MAROPAC, NY 10541	75.18-2-12	TOWN OF CARNEL NO MCALPIN AVENUE MUNDRAC NY 10541	75,20-2-32	TIPENCE & KRSTEN MORE 41 NOTTINGTAM WKY MANOPAE, NY 10541		77		A A		XXXXX	Æ.	1	-			
75.16-1+6	20LA V MATALO B WAMAEL I SHILCOALI 171 BUOKS HOLOW RIGAD WANDPAC, NY 10541	75/16-0-13	DANE KISSH 77 KSTOE DRVE MARSAN, NY 10541	75 20 -2 - 33	JOSEPH & CAROLANN LACOPARIA 43 NOTINGAAN WAY MAROPAC, NY 10541		7	TX		AL/	XXX	S-17	90)	1	# 3 m 1	(D	
75,16-1-8	WARDPAC, NY 10541 OHARJE'S MARNA BC 897 SOUTH LAKE RIMAD MARDPAC, NY 10541	75.10-2-14	HUNTER JAKON LLC 22 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-54	JONNIER & & ANDREW T. DWYER 44 NOTENDIAM 2014 MANIERAC, NY 10541		-4	N		14	N DA				W P		
75,16-1-9	BIY SOUTH LARE HINKE MANDRAC, NY 10541 SOTINOS & WENE KANVOSUUS 193 BOCK & WENE KANVOSUUS MANOPAC, NY 10541	2516-3-15	FRANK GRAIS 32 ASTOR DRIVE MANDRAC, NY 10541	75.29-2-35	ELVIS & AFFR. J LAMIC 42 NOTTHOHAM WAY MAHOPAC, NY 10541	1		<i>(</i>		/R			$\mathbb{R}$		AT-	SITE	
75.16-1-10	MARCHAC, NY 10541 JANES MCCARE PO BOX 472 BALDWN PCACE, NY 10508	15.16-2-16	WAYNE & SUSAN SPCAN 36 ASTOR ORDE MANDFAC, NY 10541	25.00-2-36	SCOTT M. CHORN 45 NOTTINGHAM WAY MANISPAC, NY 10541		1	/	XV	1 A	<u>  父 の 日 日 </u>	986			THE A		
75.14-1-15	BALDWN PCACE, NY 10505 (MICS BEADVAK 455 ROUTE 8 MARCPAC, NY 10541	15,16-2-17	EDWENKOL & LOUISE SACOHITELLO 44 ASTOR DRIVE MANOPAC, NY 10541	75.20-2-37	JAMES CILIERITI & VORDANA	-	/	T		L)		TO :					
75.16-1-18	HID ROUTE & MARCHAC, NY 10541 HALTOP MARCH REALTY CORP. 455 ROUTE & MAROPAC, NY 10541	75.10-2-18	FRANK & LISA (DALDIN) SO ASTOR DRVE MAHOPAC, NY 10341	75.22-2-38	SE NOTIFICALAM WAY MANORAC, NY 10541 ANTHONY & PATRICLA DOMATICO M NUTIFICIAM WAY	111	< /		- 1 / / / /	K	VII A	F_	EPY		HAT -	H 13	
75.14-1-17	465 WOULE # MAHOPAC, NY 10541 HALIOF MAHOR REALTY CORF. 465 ROUTE # MAHORAC, NY 10541	75.16-2-19	JOHN & LINDA NANNA 54 ASTOR DRIVE MANOPAC, NY 10541	75-22-2-38	30 NOTINGHAM WAY MANDPAC, NY 10541 DAN & ADRENNE TANELINGKY 32 NOTINGHAM WAY MANGPAC, NY 10541	47	17 F	AL	Ala Art	A B	The second	-	$-h\Lambda$		Street St.	E E	Med and
75.95-1-18		75.46-2-20	LYNDIA RODROUEZ & DRCA	15.35-2+40	MANOPAC, NY 10541 KOMETH L. & JANET SCHWOOLDI 28 NOTINGHAM WAY MANOPAC, NY 10541	SALE		K	FLAN ?						1244/10	204-	HEY
25.84-5-19	ACHLES DOURS AN ROUTE 6 MANERAC, NY TOSH I'YE PROPUNTES, LLC 44: BLOOMER READ MANERAC, NY TOSH	75.96-2-21	DO ASTOR ONTRE MANOPIAE, NY 12541 REVIN & INELDA CANKO 62 ASTOR DRIVE MANOPIAE, NY 10541	75.20-2-81	JETTINEY & ANTONETTA MENER	A	THEFT	1 VA	AT RA	Y		7	HAY			CALE 1"-500"	
75.58+1+30	44 BLOOMER HOAD MANDPAC, NY TOSH SYGMAS & DENE SMCNE 155 BLOCK HOLDON FROD MANDPAC, NY TEDH!	15.19-2-22	VLADME KUNCA & DORUMLA	75.20-2-42	26 NOTINOHAN WAY MAHOPAC, NY 10541 MATTIEW & SAMANDIA A, CLAIM TA NOTINGTAN MAY	, 1			The states and the st	(all a	RACE		HILL				
15.16-1-21	155 BUCKS HOLLOW FOAD MAHOPAC, NT 10541 THIMAS & ODE SMONE 155 BUCKS HOLLOW FOAD MANOPAC, 107 10541	7536-2-23	66 ASTOR DRVE MAHORAC, NY 10541 RADADTIA CEDECE (REV. 19/11	7522-2-43	24 NOTENDRAM INAY WARDPAC, NY 10541 DONNA ROSSOMANDO 18 NOTENDRAM WAY WARDPAC, NY 10541	1 (14			= = =		NG2 IF	1	HV1	/			
75.56-5-22	155 BUDIST HOLLDW HOAD MAHDRAC, 107 10541 SCOTT NYUGHD 427 ROUTE 8 MAHDRAC, NY 10541	75.16-2-23	PADNOTTA GEORGE IFREV TRUST VA ASTOR OPIVE MAHORAC, NY TOSAT	75.20-2-44	IB NOTINGAWA WAY WARGPAC, NY 10541 ADAW & LAN FILAR IE NOTINGAWA WAY MANOPAC, NY 10541	- 1	THIS	th	A/ =	SITE		1	th	11			
75.16-1-25			HEREDIT F JR & JARC M HELERY 78 ASTOK DRVE MAHORAC, NY 10541	15.22-2-45	MANDPAC, NY 10541 ADDENI N. & MARLINE S.		THE C	-F	P		SEM						
75.18-1-24	SCOTT AVEARS 423 ROUTE 5 MANOPAC, NY 1054 JACKIE REALTY CORP.	75.18-2-25	JOHN & PHYLLIS DUAPOU 85. KSTOR ORVE NAHOFAC, NY 1054	75.20-2-44	14 NOTINGHAM WAY MAHOPAC, NY 10541			- HA				2000'		1 3			
75.16-1-27	JACRYE REALTY COMP AD ROUTE 6 MANOPAC, NY 10041 MOMA NEAL ESTATE LLC		BRNS FAMLY BREY TRUST # 5-500TH VEOR LANE WARPAC, NY 10541	10.0012146	PETER J & THERESA M. CAREALD 12. NOTONOVAN WKY WANDPAC, NY 1054E			VE		.35.		L		1			
75316-1-28	NDRA KEAL ESTATE LLC 10 SOUTH VESDIE LANE MANDRAC, NY 10541 DORAM, A NOZAJE FEIP	75.20-2-3	HICOLE STORN & MICHAE, & SARRE 858 ROUTE & MANDPAC, NY 10541	75,26-7+47	JETTREY A. & KATHEETH A. TUTLE B. COMMENT OR MANDPAC, NY 12541		\ _		HA.	200	N STAC						
75.18-1-29	DORANE, & ROZALE FEIP 5 BATTELTA DONE MAHORAC, NY 10541 SANTA & POBERT PORTINO	75.39-2-5	DAG HOURE DK, LLC PO BOX 836 MARCPAC, NY 10541	75.20-2-48	MAHOPAC, NY 12541 KERAN & HAL A N FARDLHAR 13 COMDITY OR MAROPAC, NY 12541		\	F	KADS	A PE	YEIE	F	- th				
753.16-1-30	SANTA & PORRET PORTINO 7. BATTISTA DEDE MANOPAC, NY 10541 TROMAS SIMONE 155. MUCICS INCLOW ROME MANOPAC, NY 10541	75.22+2+7	ICULIAN AMERICAN ICUM INC PO BOX 931 MANOPAC, NY 10541	75.20-2-49	MARCHAC, NY 52541 JEL BONELLO 15 COVENERY DR MARCHAC, NY 52541		V	$\neg +$	KILX	EE	1/HE	Ę	TAT	11-			
75.16-1-61	Monthly and the states	75.20-2-8	ADRIANA CERCUENA PO BOX 782 CROTON FALLS, NT 10518	75.20-2-50	MAHOPAC, NY 52541 DISATESTA FAMUY TRUST 17. COVENTRY OR MAHOPAC, NY 10548		X	SA E	ECHAE	14	ANT	1	STOL				
75.16-1-60.1	ANTI-ONY & ROSE FARMADO 154 BUCKS HOLLOW ROAD MARCIPAC, NY 10548 JOHN PARK	75.20-2-11	TUNA MARIE MAPISARDA 85 DAHDA DRIVI MARDPAC, NY 10541	75,25+2+51	MAHOPAG, NY 10548 BARDANA CIPILANI 18 COVENTRY OR MAHOPAG, NY 10548			VIE		11	HAH.	1	A		TAX MAP REFERENCE:		
7516-1-60.0	JOHN PARK 7 ASTOR DRIVE WARKPAC, NY 10548 JOREE & RUTTINK TEJROA	75.20-2-12	JAMES & ROBERTA PAGANO BU DAHLIA DRVE MAHOPAC, NY 10541	75.20+2-52	MANOPAC, NY 15541 CHARLES M, A PAMELA E, BLEDER 31 CONDITIY OR MANOPAC, NY 15541			TA:	HHHHH	1DX	S118 D	5-1	A		TOWN OF CARMEL TAX MAP SECTION 75.20, BLOCK 2, LOT BB ADDRESS:		
75.16-1-59	JORDE & RUFFINA TEJADA 190 RUCKE HOLLOW ROAD WARKPAC, NT 10541 PAUL & RELET HARRIS	15.20-2-15	MOHREL HART & DAMA SMOORE \$3 DANUA DRVIE MANOPAC, NY 10541	75.20-2-53			8 6	VNIE	IN HAR	TUU	1/16-to	7/	Zh		MUCKS HOLLOW ROAD WARDFING, NY 10541		
75.16-1-58	PAUL & RELET HARRIS 15 ASTOR DRVE MANDPAC, NY 10541 DRVIDIO & GLORACH LONCZ	15.70-2-14	ROBERT & LIANA GEFTZER 97 DAHCA DRVE MAROPAC, NY 30541	75.20-2-54	DANEL & JEAN MARE SHEREAN 23 CONDUTRY DR MAHOPAE, NY 10541 KATITY SONNENEDIS		2 5		TITT	44		1			AREA: 13.3R2 ACRES DATUM:		
75.16-1-57	ERNESED & DLORMOR LORCE 23 ASTOR DRIVE MANDPAC, NY 95541 AVARA MICHAES & ORAN	75.20-2-15	ENELTY SANCE PO BOX 757 MAROPAC, NY 10541	75.20-2-55	KATHY SOANGABETIS 27 COVENTRY ON MARONAC, NY 10541 NY CONT-ONE CT		12	L	HEFT	TT	HA YV	/		3	AND 1965 ADRZONTAL: NAVO 1965, NEW VORK STATE PLANE COORDHATE SYSTEM, EXIT ZONE		
10.10-11-07.	METHINET RYTUG 2.7 ASTOR DRVK MARIOPAC, NY 10548	75,20-2-16	JOHN & DONNA BONVN 107 DAHSA DEVE VARIOPAC, NY 10541		NY CONT-OME CT MEST DISTRCT ATTN: AP CASTANO 2 SOUNCER AM WHTE PLANES, NY TODOR		/		111-11-11	ATION MAP	THE C			5	SUBDIVISION REFERENCES: MAP OF HUNTERS' RUN' FILED IN THE UTIMAN COUNTY ELEBRIS DITICE ON MARCH 28, 1988, AS MAP No. 2295.		
75,16=1-56	MARK & LAWANG WITTERS 31 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-17	RUSHARD VELEZ 117 DAHLA DRVE MAHOPAC, NY 10541	75.20-2-58	WARNES BURFENE 34 COVENTRY CR WARDAC, NY 10541				LOC	ALE: 1"+100					WHICH 28, 1988, AS MAP No. 2298.	4 02-25-22 3 02-67-22	FER FLANING BOARD 2-10-22 FER 2-3-22 (DE METING ATE 1+13-22, PDF ECB & PS 5L8w0300+
75.16-1-55	JOSHIA & SAMAUSA NOSER 37 ASTOR DRVE MANOFIC, NY 10541	75.20-2+18	KONETH & ROTEMART WALDRON 121 DAVESA DROF MANOPAC, NY 10541	75.20-2-57	JAMES & SANDRA MARMELLI 32 COVENTRY CIR MANIOPAC, NY 10541	75.20-2-69	ROHARD & BROCCT CETRING 154 BUDGHOLOW RD MANDPAC, NY 10541	75 20+1-30	PATRICK & CATHERINE TARPET 74 DAMLA DRVE MARDRAC, NY 10541	75-20-1-15	LINDA N VERDE 44 (BLOCMER ROAD MAHORAC, NY 10541	76.17-1-25	CRUG H & JONAFOR M HETTHIGH 112 DAVLIA DRIVE MAHORCA, NY 10541			2 01-25-22 Mill PB 1 1 11-15-23	HTL 1-13-22, PCP CCB & PB SUBWISSION PCR PB MIG B-22-21 DESTROYATION
7516-1-54	JAWES & PATRICIA MUSOWAN 41 ASTOR DRIVE MANOPAC, NY 50541	75.20-2-19	HUDH F & HISEN & BRONEAN 125 CARLA DRIVE MAHOPAC, NY 10541	75.20-2-58	ANTHONY & RESEARNE M.	75.20-2-70	JUR HOLDWOS CORP 144 BUDSS HOLDW MANDPAC, NY 10541	75.20-1-29	CDWIN & MARE TRULAS BO DAMUA DRIVE MANDRAC, NY 10541	75.20-1-12	STIPHEN A & MARY BETH VRABEL 50 BLOOMER ROAD MAHEPAC, NY 10541	7617-1-24	DORIS I BERANDO 115 DANEJA ORTAL MANOPAC, NY 10541				NASHER & ZIGLER P.C.
75.16-1-50	LAMIENCE & KATHLEEN KEANE IN ASTOR DINYE MANOPAC, NY 10541	75.20-2-20	KARLY TUST CREDDO 129 DANIA DRVE MARCERE, NY 10541	75.20-2-59	30 COVENTRY OR MARDRAC, NY 10541 ORECONT A. MILLIANS & MILLIPED MARDIALL	75.20-2-71	VCR30N NEW YORK NC P0 80X 2749 A00000, TX 75001	75,20-1-28	MICHAEL & GEORITTE MARON 77 DARLIA DRIVE MAROPAC, NY 10541	25.20-1+1)	MARE A RIZZO 54 BLOOMER ROAD MARIORAC, NY 10541	76.12-1-25	DORALD A & SALLI A WEES 122 CANLIA DRIVE MANOPCA, NY 10547			AN &Z	INEERS-SURVEYORS-PLANNERS 232 North Main Street New City, New York 10956
25.96-1-49	CAPLOCH PROSCIA 55 ASTOR DRIVE MARCPAC, NY 10541	75.20+2-31	GEOSTHALL ATUL G GEOSTHALL VANDANA 11 MOTTINDHAN WAY MAHSPAC, NY 10541	75.20-2-40	GREDHY A. WELFARS & MEDRED MARDINE. 28 CONCENT OR MANDRAC, NY 10541 KATHLEN BARRETT	75.20-2-73	VER2011 NEW TORS INC PO 00X 2240 AD02004, TX 75001	75,20-1-27	RICHARD & KATHLEIN DHUSSO 71 DANUA DRVE MANDRAC, NY 10541	7530-1-10	GLBERT & LIGS RAFREME. 16 BLOOMER ROAD MANOPAC, NY 10541	76.17-1-00	BRAN & MARTER COTHE 126 CARLA DRIVE MAROPAC, NY 10541				Tel: (845) 634-4694 Fax: (845) 634-5543 E-mail: info@anzay.com
75.16-1-48	TEMOTHY CHEAN & KELLY HORAL ELASTOR CRYNE MARIOPAC, NY 10041	75.20-2-23	POLINED & DEBRA RUSSO	15.19-2-61	KATHEEN BARRETT 26 COMDITIY OF MAROPAC, NY 10541 ANTYONY & ROTE M. FADAIND	75.20-2-73	BUCKSHOLLOW LLC 122 4 BAUCREEN DOURT MAHDRAC, NY 10541	75.20-1-26	MOUAEL & CATHERINE SCARABBA 2 CRECCO COURT MAHOPAC, NY 10041	75.20-1-9	JOSEPH G & JONE G MACROTTA 60 BLOOMER ROAD MAROPAC, NY 10541	76.17-1-21	PETER & VACHE PELOQUE 130 DANSA DRIVE MARIOVAC, NY 10541			PROJECT	E-mail: info@anray.com Web: www.ANZNY.com
75.55-1+47	LOUIS & LINDA GAUDIÓ 65 AGTOR DHYE MANOPAC, NY 10541	19.20-2-23	15 NOTINGAAL WAY MANGPAC, NY 10541 RON & DARLENE LOW GAINE 17 NOTINGHAM WAY MANGPAC, NY 10541	75.30-2-61	ANTHONY & ROTE M. FARMAND PO BOX 824 MANOPAC, NY 10541 DAMPI & CARMEN CARTENI	75.20-2-74	MANGPAC, NY TUDAT MULIAN & SOUSE DE GASPERI 112 RUCKS HOLLOW ROAD MANGPAC, NY 10541	75.20-1-25	PANEL & KAROLINA ZABA 6 CRECCO COURT MANOPAC, NY 10541	75.20-1-6	CLIDERT & LIDE BAERISWI, 86 BLOOMER ROAD MANOPAC, NY 10541	76.17-1-20	MOHAEL & ELNES LANELLE 134 DHALA DENE MAHOPAEL NY 10541		Calcinenti alterteri er atterne ta sent er anne a senten er atterne ta teritari er anne a senten er atterne teri teritari er a senten er atterne teri	MAHOPAC V	WELLS 1, 2 & 3
75.56-1-40	JOSEFIA & ROSEANN (BRUIDD) RG ASIDE DAVIE MAHOFAE, NY 10541	75.20-2-34	NAHOPAC, NY 10541 KEVIN & CATHLEON BROWNE	75.20-2-63	DAVEL & CARVEN GARCEAU 22. COVENTRY OR MAREPAC, NY 10541	75.20+2+75	JOIN (DWDS, NY 1054) JOIN (DWDS REVOCABLE SHUEL 100 BUCKS HOLLOW ROAD MANEFAC, NY 10541	75.20-1-24	ZBONEW PNAS PO BOX 332 BALDWN PLACE, NY 10505	75.20-1-5	ALEANDRY N. N. 10541 ALEANDRY MEMORY 90 BLOOMER ROAD MANOPAC, NY 10541		1993	Ind advection case of the streng of other indexpersion of the streng of our final case of the strength of the	<ul> <li>Marcola C. S. S. Stark, S. B. Schwart, C. S. Stark, S. S. Star</li></ul>	TOWN	OF CARMEL
75.38-1-45	MICHAEL & MARIANAE VICALE TS ASTOR DRVE MARIOPAC, NT 10541	75.20-2-25	KEWN & CATHLETN BROWNE 19 NOTTINGAME RAY MANDRAC, NY 10541 RENT & CRALEEN BROWNE 21 NOTTINGAME RAF MANDRAC, NY 10541	15.20-2-63	UNDA CARTUCCI 20 COMENTRY CIII MANOPAC, NY 10541	75.20-2-78	20HV LEARENS REVOCABLE TRUST 30 CREST ROAD MANOPINE, NY 10541	75.20-1-23	JESS 7 DARA BERKWITS 10 CRECCO COURT MANOTAC, NY 10541	75.20-2-10	STEPHEN MILLER 90 DAVLA DRIVE MARCPAC, NY 10541			ACCUMENTARY SPECIFICATIONS, UNIT UNABLE DE DESCRICE OF A SECHER INSTITUCIÓN SECHER, MENT BAR A TRACINE ANE MADE, THE AVENUE ENDANCES ANE MADE, THE AVENUE ENDANCES AND MENT BUR, DATE AVE DESCRIPTIONS, DATE AVENUES, DATE AVENUES DESCRIPTIONS, DATE AVENUES,	Here and the second sec	PUTNAM COU	INTY, NEW YORK
25.58-1-44	VINCENT & ANNUMARE VANGRO BY ASTOR SPINE MANOPAC, NY 10541	75.25-2-29	MAHOPIAC, NY 10541 HIMAAN RECKERAN MEYOC IRUST 27 ROTTINGKAN WAY MAHOPIAC, NY 10541		JENNETR FEGURA 18 CONDUTRY CR MARSPAC, NY 10541	75.20-2-77	JOHN LEARCHS REVOCABLE TRUST 100 BUCKS HOLLOW ROAD MANGPRC, NY 10541	75.29-1-21	JESS 7 DARA BERKINTS 10 CHECCO COURT MANDRAC, 117 10541 MELJAMO LONGO 11 CHECCO COURT MANDRAC, NY 10541	75.20-2-9				A REACTION OF THE DEALERST OF THE THE DESCRIPTION OF THE DEALERST AND A THE DESCRIPTION OF THE DEALERST AND SECTION 7728-21	The second secon	I DCAT	TION MAP
75.16-1-43	JAMES & CAROLINE CODIE 145 DANUA DRVK MANOPAC, NY 10541	75.30-2-27	MARCHAC, NY 10541 MARC & PATRICE UP7 29 NOTINOHAW WAY MAROPAC, NY 10541	75.20-2-65	MOWEL & & TREEN ITTERN 16 COMENTRY OR MANOPAC, NY 10547	P5.20-1-32	MANGPAC, NY TODAI DIANE SCHANGNE EA DIANJA DRIVE MANGPAC, NY TODAI	75.20-1-21	DLEAD HILL COMP. 230 OLENERDOK AVENUE VENKERE, NY 10705	76.17+1+28	ANTHONY CHACH & ERRN COREN TOD DANLIA ERRVE MANCPAC, NY 10541 PARENT ESTATE PO ROX 366 MANOPAC, NY 10541			(Section of the section of the secti	State and		
75.36-1-42	MANOPAC, NY 10541 JACOBL & TEACY POIDIAN 137 DAHUA DINK MANOPAC, NY 10541	75.20-2-25	MAHOPAC, NY 10541 PATROX M. & ALDEA M. DALEY 31 NOTINOAAN WAT MAHOPAC, NY 10541	7530-2-66	JOSEPH & BARN MARE D'AMORE 14 COMMENT CR MARCEAC, NY 10541	75.20+1-31	MAHORAC, NY 10541 JOSEPH & DEBORAH KORINGE BE DAHLA DRIVE MAHORAC, NY 10541	25.20-1-16	DUCZ WATCH NEW YORK PO BOX J1970 PHDENX, AZ 85050	76.17+1=28	MAREA T & LEE M DORHING 108 DARLA DRIVE MANORAC, NY 10545			At And		DRAWN BT: 15 DATE: AUGUST 27, 2021 PROJECT NO:	DHEALE BY JAA SCALE AS SHORN DRAWING NO.
	MAHONAC, NT 10541		MARCHAE, NY 10541				WARDING, NT 10541							RYANA NASHE PE	NYS NJS UC NO POINT	4870	LM
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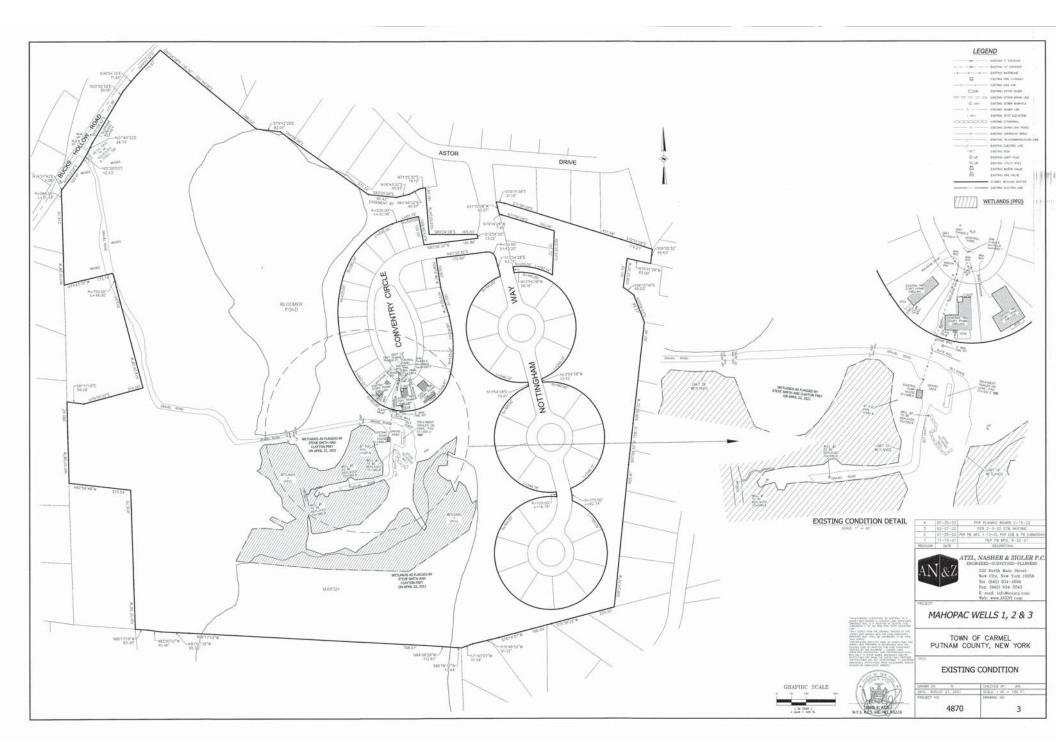


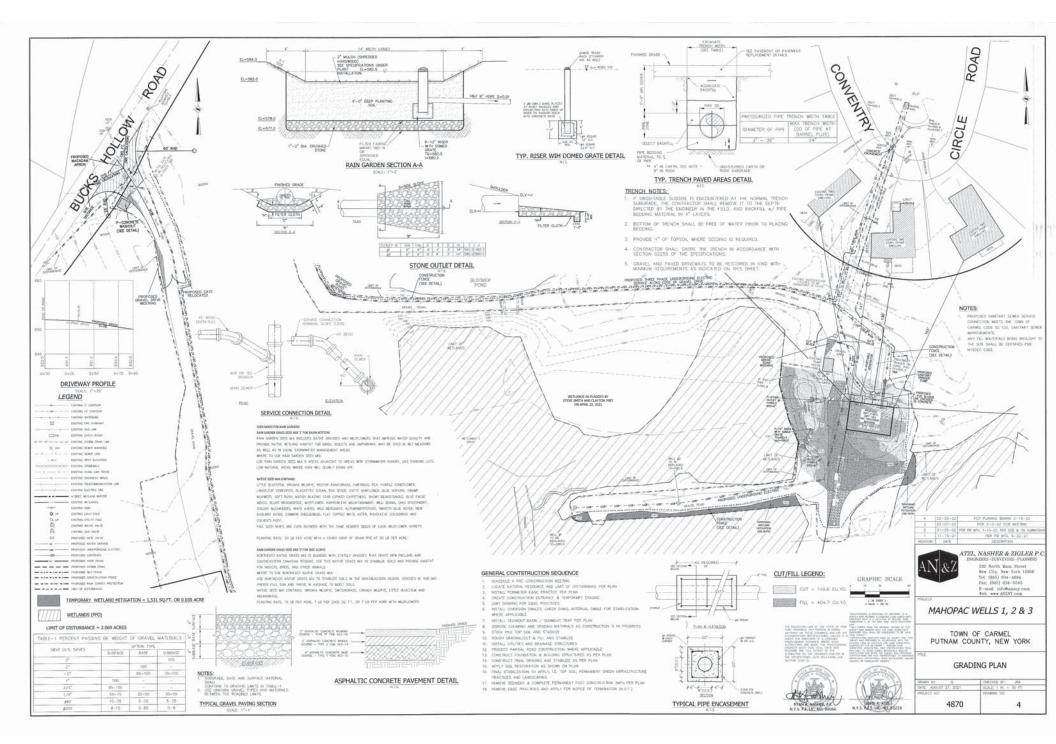
				ERS WITHIN S					
75.76-1-7	DEDROE P & TRACEY E SULLAND 149 BUCKS HOLLOW FOAD MANDRAC, NY 30541	25.18-1-43	JAMES & CAROLINE COOKE 145 DAILUA ORIVE MAROPAC, NY 10541	75.20-2-25	KENT & COLLEEN BROWE 21 NOTIFICHAM WAY MANOPAC, NY 12541	75.20-2-61	ANTHONY & ROSE M CARANG PO DOX 634 WANDRAC, NY 10541	76,17-1-25	ORACI N & JONIJER N HETTNO 112 DAHLA DRUE MAHOPCA, NY 10541
75/6-1-2	JOHN BATTISTA 157 BUCKS HOLLOW BUAD MAHOPAC, NY 10541	25/16-1-42	JACOB, & TRACY PODMAN 137 GARLIA DRVE MANOPAC, NY 10541	75.20-2-26	VINAN RECKRADI REVOC TRUST 27 NOTINOHAM WAY MAREPAC, NY 10541	78.20-2-42	DAVID & CANNEN CARCEAU 22 COVENTRY DR MANOPAC, NT 10541	36,17-1-24	DORS L EDUADD 116 DAICA DRVE MARDRAC, NY 12541
75.26+1+3	JOHN BATTISTA 185 BUCKS HOLLOW ROAD MANORAC, NY 10541	25.16-1-41	WATTHEW & CARACYS TLARONE 133 GANLIA DITUE WANDTAC, NY 10541	75.20~2~27	MARK & PATRICE LET 29 HOTTINGHAM WAY MANDRAC, NY 10541	75.20-2-63	LINDA CARTUCO 20. CONDITIY DR WARGPAC, NY 10541	76,17-1-23	OONALD & & SALLI & WESS 122 DAHLA DRIVE MARDPCA, NY 10541
5.0-1-4	KALINER BREVOC LUMIG TRUST NO BLOKS HOLLOW ROAD MAROPIAC, NJ. 10541	75.16-2-10	NCRIBERT VOCE 6 ASTOR DRIVE MAHOPAC, NY 10541	75.20-2-28	PATRON M. & ACTINGA M. BALEY 30 NDTINOHAM WAY MANDPAC, NY 10541	75.20-2-64	JENNEDE DUCHER 18 COMMENT DR WARDPAC, NY 10541	76.17=1=22	SRIAN & MARTIN CONNE 126 OANLIA DRIVE MANDRAC, NY 10541
25.86-1-6	2014 V MATALO & MANUEL L CHILOCALLI 171 NUCKS HOLLOW ROAD MANOFINE, NY 10541	75.16=2=11	DONAL & & MEAGAN & HARTHETT 13 ASTOR DRIVE MAHOPAC, NF 10541		JACK D. & ROBIN M. ZDADROK 33 NOTTINDHAM WRY MAHOPAL, NY 10541	75.20-2-65	MOHADL 2 & D.EDH O'RHEN M. COWNERT OR MANDPAC, NY 10541	76.87+1+21	PETER & WARRE PELODUM 130 DANUA DRVE MANDRAG, NY 10541
75.76-1-8	DARLE'S MARKA INC. 897 SOUTH LAKE ROAD MANDRAC, NY 10541	75.16-2-12	TOWN OF CARMEL 60 MCAUPIN ANDRUE MANOPAC NY 52545	75.20-3-30	DODOLAS - & MAGALE C. HOREY 37 NOTTHIDIAM WAY MANDRAC, NY 10041	75.20-2-68	JOSEPH & DAMI MARE D'ANORS 14 COMPUTITY DR MARDRAC, NY 10541	78.17+1-20	MICHAE), & ELNICE LAVELLE 134 DIMELA DIVE MANOPAC, NY 10541
75.16-1-9	9075RIOS & PDIE KAMVOSILIS 193 BOKS HOLLOW ROAD MAHCRAC, NY 10541	75.16-2-13	DAME KISSH 22. ASTOR DRIVE WARDPAC, NY 10541	75.20-2-31	APERUP & MARIA L. CERECRIC 39 NOTERCHAM WAY MARCHAE, NY 10541	75.20-2-69	HICHARD & BRIDGET COTVONE 154 BUCKDHOLLOW R0 WARDPAC, NY 10541		
25.16-1-10	DAVES MICRAEL PO BOX 472 BALDWA PLACE, NY 10505	75.16-2-14	HUNTER JAKON LEC 22: ASTOR DRIVE MINICIPAC, NY 10541	75.20-3-32	TERENCE & RESIDEN MOREE 41 NOTERCHAR WAY MANOPAC, NY 10541	75.20+2+70	ALE HOLDINES CORP. 144 BUCKE HOLLOW WARDPAC, NY 10541		
75.78-1-15	BROS BEACHAR MIS ROUTE & MANOPAC, NY 10541	35.16-2-15	FILANK GUNTI 37 ASTOR DRIVE MMHOPAC, NY 10541	75.20-2-33	JOSEPHI & CARDLANY LACOPARRA . A3 NOTTHOHAM WAY MAROPAC, NY 10541	15.20-2-21	409,201 HOW YORK INC 90,80X 2749 A30,509, TK 75001		
75.16-1-16	HELTOP MANOR REALTY CORP. 468 ROUTE 6 MANOPAC, NY 10541	75.16-2-16	WATHER & SUSAN SPEAR 36 ASTOR DRVC MANOPAC, NY 10341	75-20-3-34	ZNAPER A. & ANDREW T. DWICH . 44 NOTINGRAM WRY MANDRAC, NY 10541	75.20-2-72	BERZON NEW KORK INC PO BOX 2749 ADDISION, TX 75001		
25.16-1-17	HELTOP MAKE REALTY CORP. MIS ROUTE 6. MARCPAC, NY 10541	25.16-2-17	DOMENCIE & LOURIE SACCHITELLO 44 ASTOR DEVE MINICIPAC, NY 10541		ELVIS & APRE J. LIAME 42 HOTTINGHAM MAY MAHOPAC, NY 10541	75.20-2-73	BUCKSHOLOW LLC 122 4 BAUERLEN COURT MARDPAC, NY 10541		
75.16-1-18	AD4LES D0.945 441 HOUTE & MAHORAC, NY 10541	75.16-2-18	FRANK IN LISA QUALDINO SO ASTOR DRVR MANDRAC, NY 10541	75.20-2-36	SCOTT M. CRONN 40 ROTTINGIAM WAY MANDPING, NY 10541	75.20-2-74	WELLIAM & LOUISE DE CASPERI 112 - BUCKS HOLLOW ROAD WARDPAC, NY 10541		
75,16-1-19	FVB PROPERTIES, LLC 44 (LOOMER ROAD WARDFAC, NY 10541	15.16-7-18	JOHN & UHDA NAMMA 54 ASTOR DRIVE MAHOPAC, NY 10541	75.25-2-37	JAMES CLUBERT & VERCIANA IVANETTA 38 NOTTINGHAM RAY MAHORAC, NY 10545	75.20-2+75	JOHN LEMMENG REVOCARLE TRUST 100 BROKS HOLDW ROAD MAHOPAC, TRY 10541		
75.16-1-20	THOWAS & GENE SIMONE 155 BUCKS HOLLOW ROAD WARDPAC, NY 10541	75.16-3-35	LINDIA ROOMSDET & ERCA. RVERA 58 ASTOR DRVE MARGPAC, NY 10541	75.20-3-38	ANTHONY & PADROLA DEMATTCO SE NOTTINGHAM MAY WATOPAC, NY 10541	7520-2-78	JOHN LEMMENS REVOCABLE TRUST 30 CREST RIDAD MANGRAC, BY 10041		
75.16-1-21	THOMAS & GENE SIMONE 155 RECKS HOLLOW ROAD WARRENC, NY 10541	75.16-2-21	KEVN & MELOA DANKO SZ ASTOK EMILE MHIOPAC, NY 10541	75.25-2-39	DAN & ADDEDNE TAVELNERT 32 NOTINGHAM MAY MANGPAC, NY 10541	75 20-2-17	JOHN LEMMENS REVOCABLE TRUST 100 BROKS HOLLOW RGAD MANOPAC, NY 10541		
75.16-1-22	SCUTT KITCARD 427 ROUTE 8 MARKPAC, NT 10541	75.16-3-22	KAGMIR KUNCA & ROHIMEA KUNCOVA BA ASTOR TRIVE WARDPAC, NY 10541	25.20-2-40	HENNETH 1, & JANET SCHWOOLEN 28 NOTTINGHAM WAY WANGPAC, NY 10541	75.20-1-32	DANE SCHAUDNE 14 GARLEA DRIVE MARKPAC, NY 10248		
75.16-1-23	SCOTT NYCARD 423 ROUTE 6 MNHOPAC, NY 1054	75.16-2-13	WHERAC, NY 10541 PAONOTTA GEORGE RREV TRUST 74 ASTOR DRIVE WHERPAC, NY 10541	2520-2-41	AFFREY & ANTONETTA WORKS 25 NOTINO-MAR WAY MARGEAC, NY 10541	75.20-1-31	JOSEPH & DEBORAH KRINDC 68 DANUA DRVE NANDRAC, NY 12548		
75.16=1=24	JACRIE REALTY CORP. 421 ROUTE 8 MINHOPAC, NY 10541	35.16-2-24	MHOPAC, NY 10541 HORDERT F JR & JANE M HILLERY 78 ASTOR DRVE MHOPAC, NY 10541	75.20-2-42	MATTHEW & SAMANTHA A. CLARK 24 NOTINGHAM WAY MAHOPAC, NY 10541	75,20-1-30	PATROX & CADERNE TARPEY 74 DARIA DRVE MANEPAC, NY 13541		
75.16-1-27	MCHRA REAL ESTATE LLE 10 SOUTH MCSCH LANC MANISPAC, NY 10541	25.16-2-25	MARDPAC, NY 10541 JOHN & PYRLIS DAPOLI 85 ASTOR DRVE MARDPAC, NY 1054	75.20-2-45	DONNA ROISOMANDO 18 NOTINGHAM WAY MANGEWC, NY 10548	75.20-1-29	EDWN & MARE TRLAS BO DAHLA DRVE MANDAC, NY SISHI		
75318-1-25	BORDME & ROZALE FAUP 5 RATISTA DRIVE MAROPAC, NY 10541	75.20-2-3	SANDYAC, NY 1954 SANDY ANNAY AREA TRUST JP 5-500/14 VESDIE LANE, MANDYAC, NY 19541	75,20-2-44	ADAM & LAN PHAM 16 NOTING MM WAY MINIGRAE, NY 10341	75,20-1+28	MICHAEL & CEOROTTE MARCH 77 DAVLA DRVE MAHDRAE, NY 52541		
75.16-1-25	SANTA & ROBERT PERTINO 7 BATTISTA ORIVE MANDEAC, NY 10541	75.10-2-3	MANOPAG, NY 10548 MGOLE STIRN & MONAE, & BARLE 858 ROUTE 6 MANOPAG, NY 10548	75.20-2-45	JOEPH M. & MARLINE S. CAMARGO-VOICL 14 NOTTINGHAM WAY MARDPAC, NY 10540	75.20-1-27	ROHARD & KADLEDI DRUSSO I'i DAILIA DRVE MAROPAE, NY 12541		
753.16-1-30	THOMAS SMONE 155 IRLOW HOAD MANOPAC, NY 10541	15.20-2-5	BBB NOUTE 5 MAHOPAC, NY 10548 DAG ROUTE 50, 18.0 PG BOX 8.36 MAHOPAC, NY 10549	75.20-2-46	MARCHWE, NY TEDRIT PETER & & TREASA M. GARDADD 12 NOTTRAHAM MAY MARCHAE, NY 10541	25.20-1-28	MONAL & CALHERINE SCARADOA 2 OMECCO COURT MANOPAC, NY 10541		
25.16-1-01	ANTHONY & ROSE FABLAND 154 BUCKS HOLLOW ROAD MARIOPAC, NY 10541	15.20-2-7	PO BOX 636 MANDPAC, NY 10541 FTALIAN ANDRAM CLUB INC PO 000 901 - 1 MANDPAC, NY 10541	15.20-2-47	MARGEAC, NY 10541 MERCEAC, NY 10541 JETTREY, A. & KATHLEEN A.	75.20-1-25	MARL & KANOLINA ZABA N DRECCO COURT MANONAC, NY 12541		
75.16+1+63.1	JOHN PARK 7 ASTOR DRVE MANOPAC, NY 10541	75.20-2-8	NAHORAC, NY 10541 AGRANA GARAY 10541 ADRIAN 282 CHOTON FALLS, NY 10019	75.20-2-48	9 COVENTRY OR MANOPINE, NY 10544	75.20-1-24	28KONEW 198AS PO BOX 332 BRIDWIN PLACE, WY 10505		
75.16-1-65.2	JORCE & RUFFINA ITJADA 140 RODAT ZAOLO MAD MARDAG, NY 10541	15.10-2-11	PC BOX 782 CROTON FALLS, NY 10019 THA MARE RAWSARDA 85 DANLAR DRIVE MANORAC, NY 10541	75.20-2-48	REPRAN & IMA, X H YARQUHAR 13 COVENTRY OR MAHOPAC, NY 105H1	75.30-1-23 75.30-1-22	JETE I DARA HERIVIETE 10 CRECCO COURT MANDING, NY TOSH MILUMAD LONG 11 CRECCO COURT MANGRAC, NY TOSHI		
70,16-1-09	PAUL & HELLY HARRS 15 ASTOR DRVE MANOPAL, NY 10541	7520-2-12	BS DAVEJA DRIVE MAHORAC, NY 10541 JAMES & ROBERTA PADANO BB DAVEJA ORDER MAHORAC, NY 10541	75-20+2+49	ALL BONELLO 15 CONDITINY DIR MANOPAC, NY 10541	75-20-1-21	H CHECCO COURT MAHOPAC, NY 10541 GLEAD HUL COMP.		
75.10=1=58	ERIESSO & GLORMER LOPICE 23 ASSOR DRIVE MAHORAE, NY 10541	75.20-2-13			DIGATELISTA FAMILY 19451 17 CONDURY OR MANDPAC, NY 10541	75.20-1-18	GLEAD HEL COMP. 253 GLINEWOOK AVENUE YORKERS, NY 10705 SUEZ WATCH NEW YORK		
75.10-1-57	AVARIA MIGHALES & OTAN MENNET AVTINE 77 ASTOR OFFIC MANOPAC, RT 10541	75.70-2-14	MCHAEL HART & DUNK SMOYNER DS DAVED DRVC MAHDRAC, NY 10541 ROBERT & LIANA DERTER	75.20-2-31	BARDARA OPTIAN 11 CONTINUT CR MANOPINC, NY 10541	75-20-1-13	SUEZ WATCH NEW YORK PO BOX 71970 PHORNU, AZ 80000 UNDA N VERCE		
75.10-1-26	MANOPAC, RT 10541 MARK & LURANC WHITTERS 31 ASTOR ORVE MANOPAC, NT 10541	75.30-2-15	ROBERT & LANA GRETZER 97 DAHLA DRVE MAHOPAC, NY 10541 DMELITIK GATOA	7520-2-52	OHARET M. & PANDA E. BEDXER 21 COMMIRY OR MAHOPAC, NY 10541	75.20-1-12	44 BLOOKER ROAD MANOPAC, NY 10541 STUDNON A & MARY JETH WAREL		
75.16-1-55	MAHOPAE, NY 10541 JEORIA & SAMARTHA MOTER 37 ASTOR DRVE MAHOPAE, NY 10541	75.20-2-16	DAELITI: GANDA PO BOX 757 MANDRAC, NY: 10541 JORY & DORSA TEXNIS 107 GARDA ORIVE MANDRAC, NY 10541	75.20-2-53	DANEL & JEAN MARE SHENDAN 23 COVENTRY OR MANOPAC, NY 10541	75.30-1-11	STUDIEN & & MARY (ETH VRABE), SO BLOOMER ROAD MANOPAC, NY 10541 NARE A R220		
25.Ni=1=54	MAHOPAD, NY 10541 JAMES & PATRICIA MODOWAN AY ASTON DRIVE MAHOPAD, NY 10541	75.20-2-17		75.20-2-54	KATH'T SOMNENERS 27 COVENTRY OR MAHOPING, NY 10547	75.30-1-10	NARE A R220 54 BLODIN R0AD MANDRAC, NY 10541 GRIBERT & LIOS BACRESIN		
75.16-1-50	BAHOMAC, NY 10541 LANRONCE & KATHLOOL KEANE 51 ASTON DRVE MAHOPAC, NY 10541	75.20-2-18	ROMARD VELEZ 117 DANILA DRIVE MARCHAC, AV 10541 REVIECTI & ROSEMATY WALDRON	75.20+2+55	HY CONF-UNC C1 WEST DISTRCT ATTN: AT CACETING 2 SOURVEW ANS WHITE PLANS, NY 10006	15.20-1-9	GRIMERT & LIGS BACHEDME. 66 BLOOMER FOAD MAHEDRAC, NY 10541 JOSEPH D & JORH & MACHOTTA		
75.15-1-42	MAHOPAC, NY 10541 CARLOEH PROSOLA 55 ASTOR DRVE MAHOPAC, AV 10541	75.20-2-19	KEYNETH & ROSEMARY WALDRON 125 DANLA GROK MANDRAZ, NT 10541 HUGH F & HELDA M BERMAN 125 DANLA GRIV MANDRAZ, NT 10541	15.20-2-56	2 SOURCELW AND WHITE PLANS, NY 10808 MARINEE BUFFONG 34 CONDERY OR MANOPAC, NY 10541	7520-1-4	JOSEPHE D. & JOHH & MACHOTTA 60 HILDOWER ROAD MAHORAC, NY 10541 GEBERT & LICE BACHISME.		
75.16-1-48	MAHOPAC, MY 10541 TMOTHY CRICAL & KELLY HERAN STATTOK ORVE MAHORAC, NY 10041	75.20-2-20	TED DAVELA DATE: MANDRAC, NY 10541 FANELY TRUST ORCOOD 128 DAVELA DATE: MANDRAC, NY 10541	15.20-2-57	JA CONDERV OR MALORAC, MY 10541 JAMES & SANDRA WARMELLI 32 CONDERV OR MARCRAC, NY 10541	75.20-1-5	GLBERT & LIGS BACHSMI, MI SLOOMER FOND MARKFAC, NY 10548 ALEJANDRO MERJINO		
75.16-1-47	MAHORAE, NY 10041 LOUIS & LINDA GAUDID IIS ASTOR DOVIE MAHORAE, NY 10541	25.20-2-21	MAHDPAC, NY 10541 DEDUDAL ATLE G	15.10-2-58	MARDPAC, NY 10541 MARDPAC, NY 10541 MARDPACY & ROZANE M.	75.20-2-10	ALE ANDRO MIRLINO 90 BLOOMER ROAD MARQUAC, NY 10541 STEPHEN MULER		
75.18-1-48	MAROPAC, NY 10541 JESEPH & ROSEAN BRUSSO 69 JUSTOR JWW MAROPAC, NY 10541		OFOSTHALF ATLE: O ODOSTHALF ATLE: O 11 NOTTHODUM WAY WARDPAC, NY 10541		ANTHONY & ROSEANNE M. TERRUZZA 30 CONDUCTOR OR MANEDRAC, NY TOSHI	75.30-2-9	STOTIEN MULTER 90 EAULA DEVI 94462946, NY 10541 ANTIONY DHACH & ERRI COXEN 100 DHACA 2019		
25.16-1-45	MARCHAE, NY 10541 MICHAEL & MARABONE MCAUE 73 ASTOR DIVINE MARIOPAC, NY 10541	75.20-2-22	ROUAC & ECBRA RUSSO 15 NOTINGHAM WAY MARDAC, NY 10541	75.29-2-59	GREGORY & WILLIAMS & WILTHED MARSHALL 28 COVENTRY CR MARDRAC, NY 10541	76.17-1-78	TOD TRAFFLIK GREVE WARDPAC, NY T024T PARENT RISTAR PO BOLK 398 WARDPAC, NY T024T		
25.10-1-44	MANDPAC, NY 10541 VINCENT & ANAMANNI VACINI RI ASTOR DRIVE MANDPAC, NY 10541	75.20-2-21	RON & DARLENE LOVE GAINE 17 NOTENDARE MAY MANDRAC, NY TOSH PELIN & CARLEEN INFOMME 18 NOTENDARE MAY MANDRAC, NY TOSH	75,20-2-60	KATHEEN BARRETT 28 CONDURY DR MARDIAC, NY 10541	78,17-1-28	WARDAG, NY 10541 WARDA I & LEE M DOBRINS 105 DAVELA JOINE WARDAG, NY 10541		

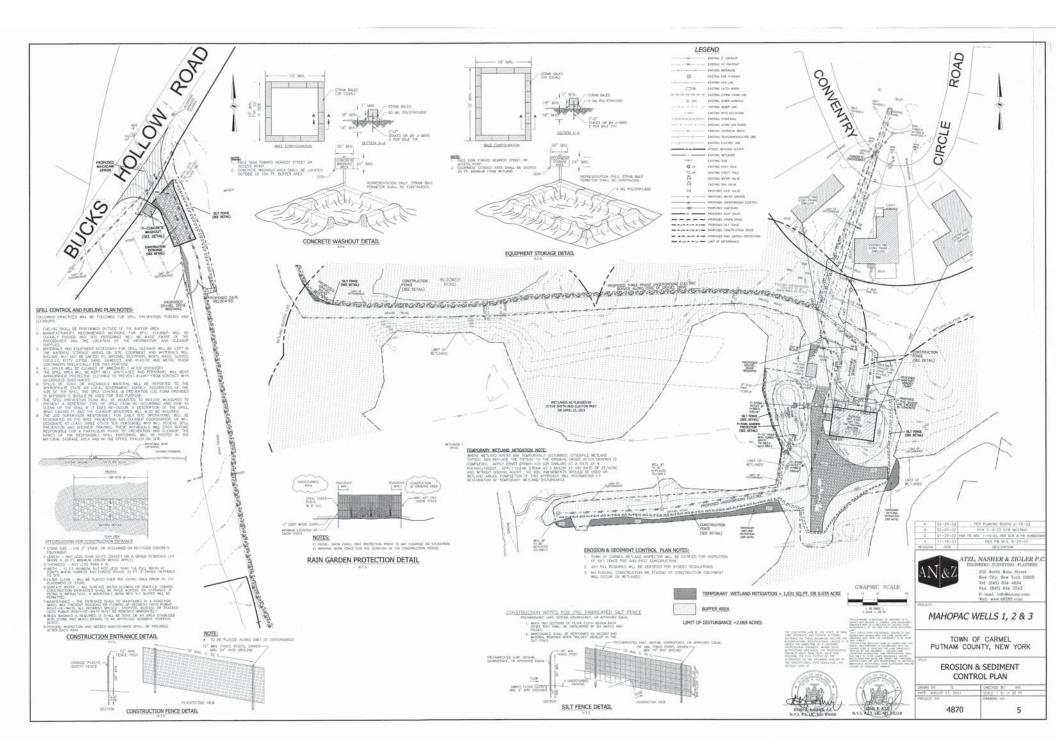


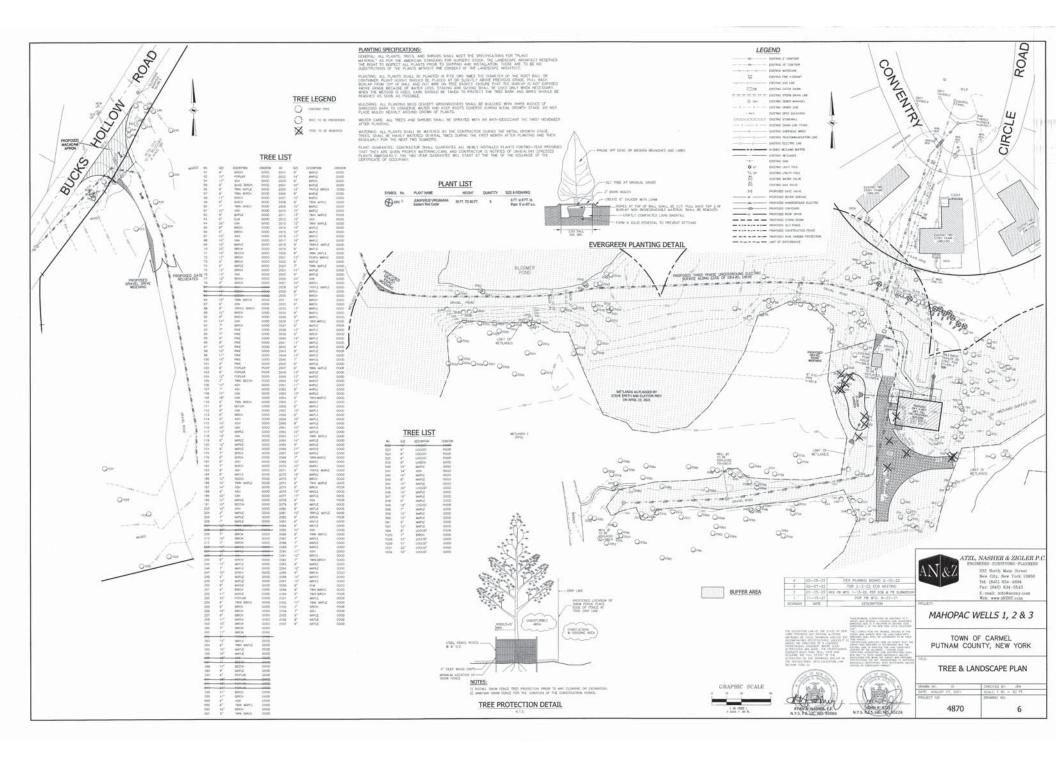
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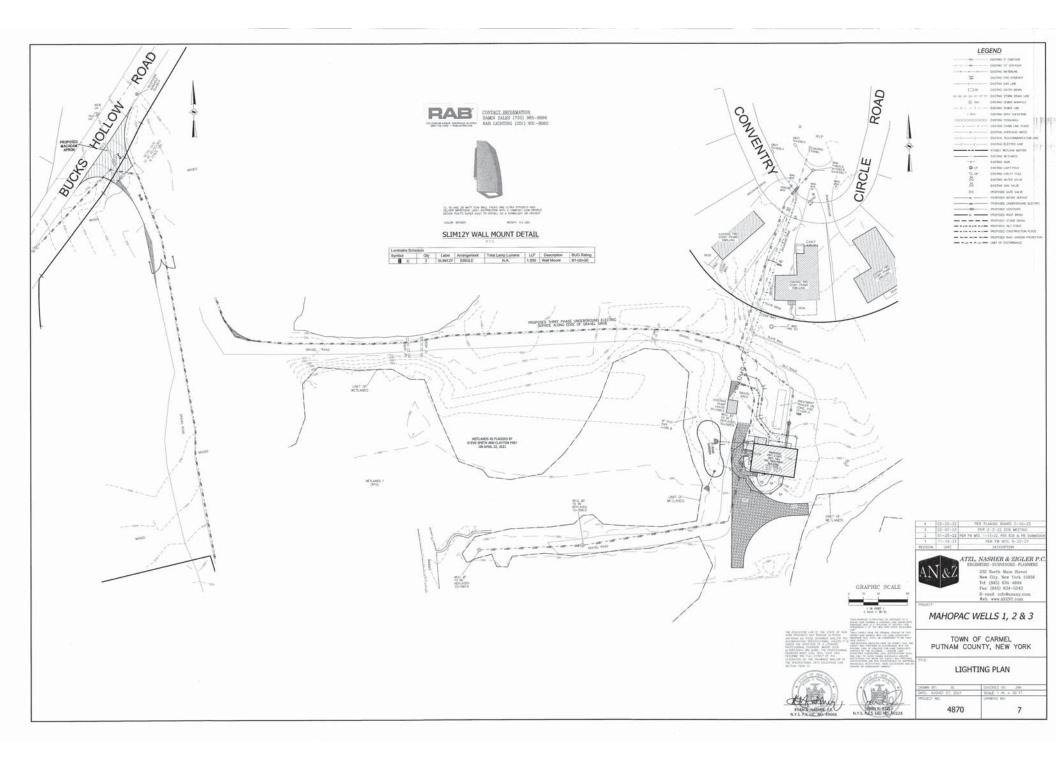
LEGEND		AN &Z 23 North Wain Street 23 North Wain Street 23 North Wain Street Park City, New York 10056 Tel (045) 653-659 Far (045) 653-654 E-mail: (059-061-054) E-mail: (059-061-054) E-mail: (059-061-054)			
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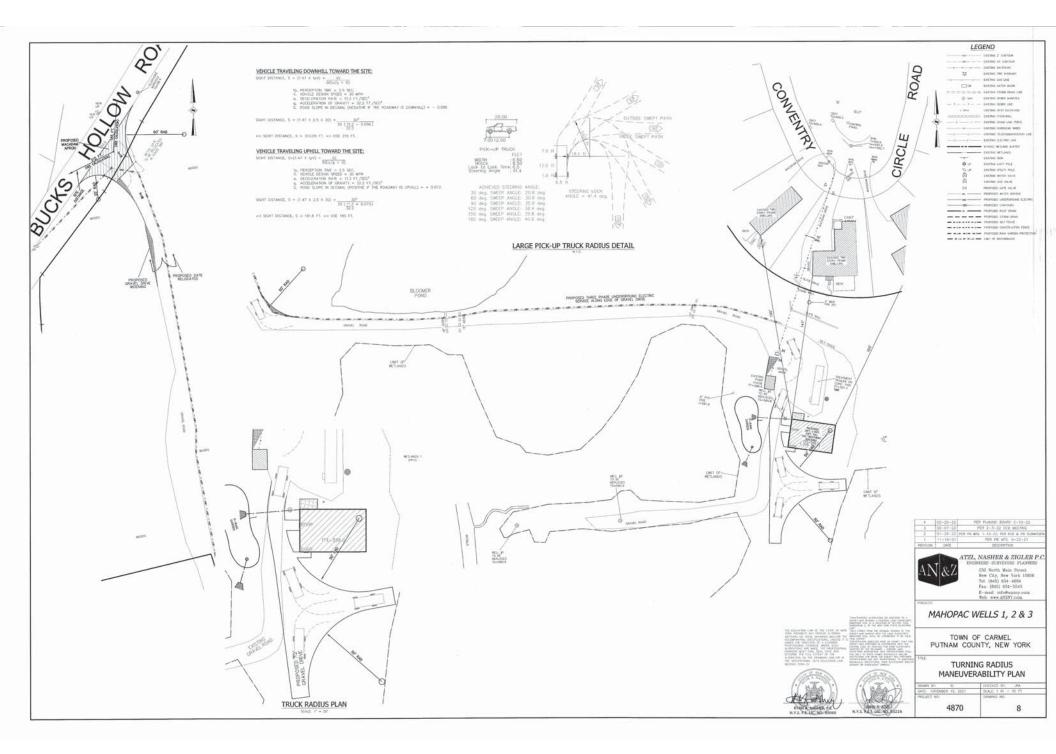


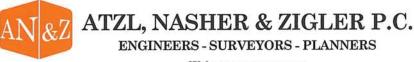












Web: www.anzny.com

March 2, 2022

Town of Carmel Planning Board 60 McAlpin Avenue Mahopac, NY 10541 Attn: Mr. Craig Paeprer, Chairman

Re: SUEZ Water NY, Inc. - London Bridge Wells 1 & 2 and Geymer Wells 1 & 2

Dear Chairman Paeprer and honorable Board Members,

The Zoning Board of Appeals granted the required variances for the two above referenced projects on February 24, 2022. These sites are also expecting wetland permits from the Environmental Conservation Board (ECB) on March 17, 2022.

Updated site plans noting the approved variances have been submitted to the Planning Board. All comments from the Town Planner regarding these projects have been addressed. Engineering comments for these projects are being addressed by our office and the Applicant in coordination with the Town Engineer.

We respectfully request you to schedule a public hearing for these two projects at the next available Planning Board meeting. We thank you for your time and consideration.

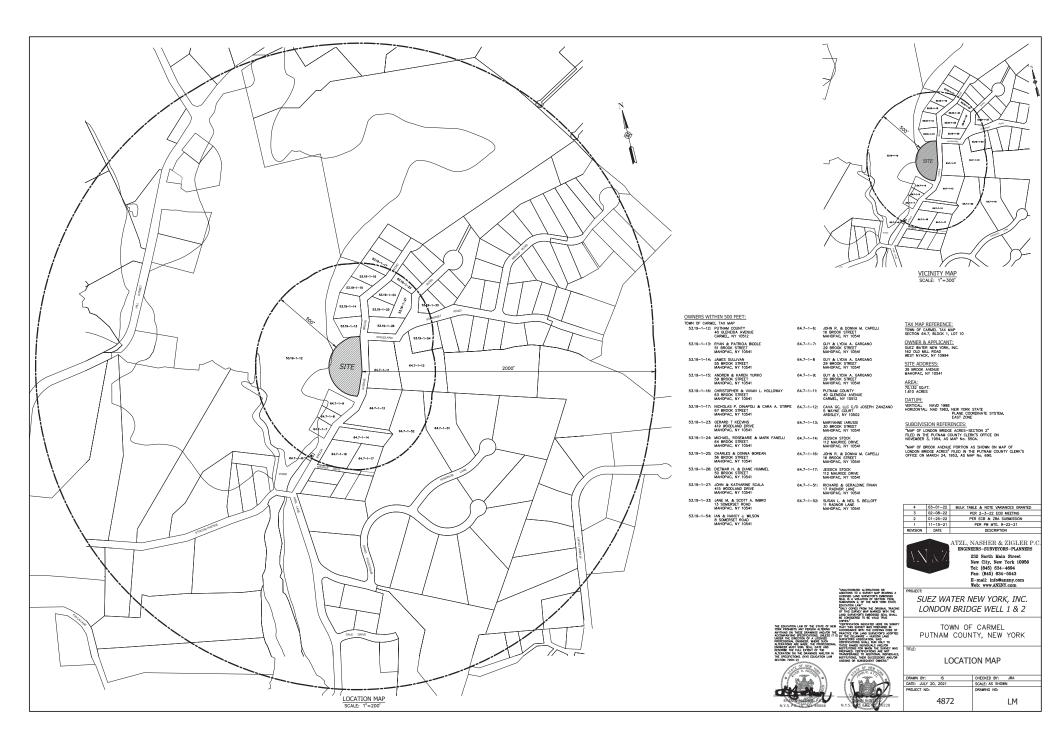
Regards,

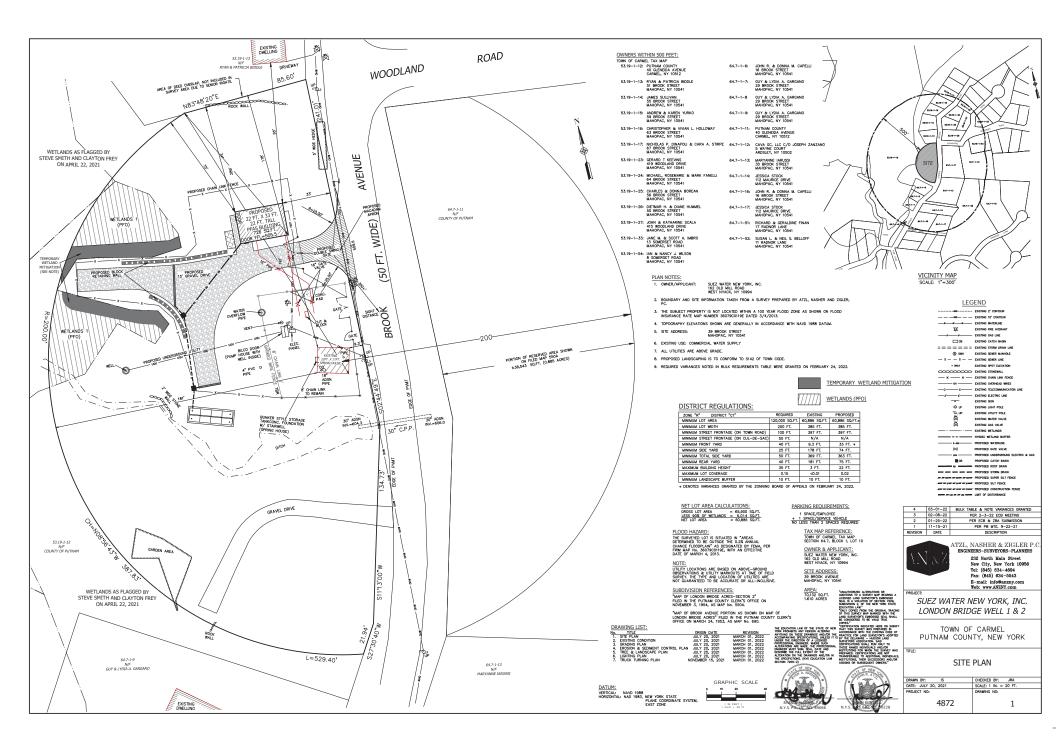
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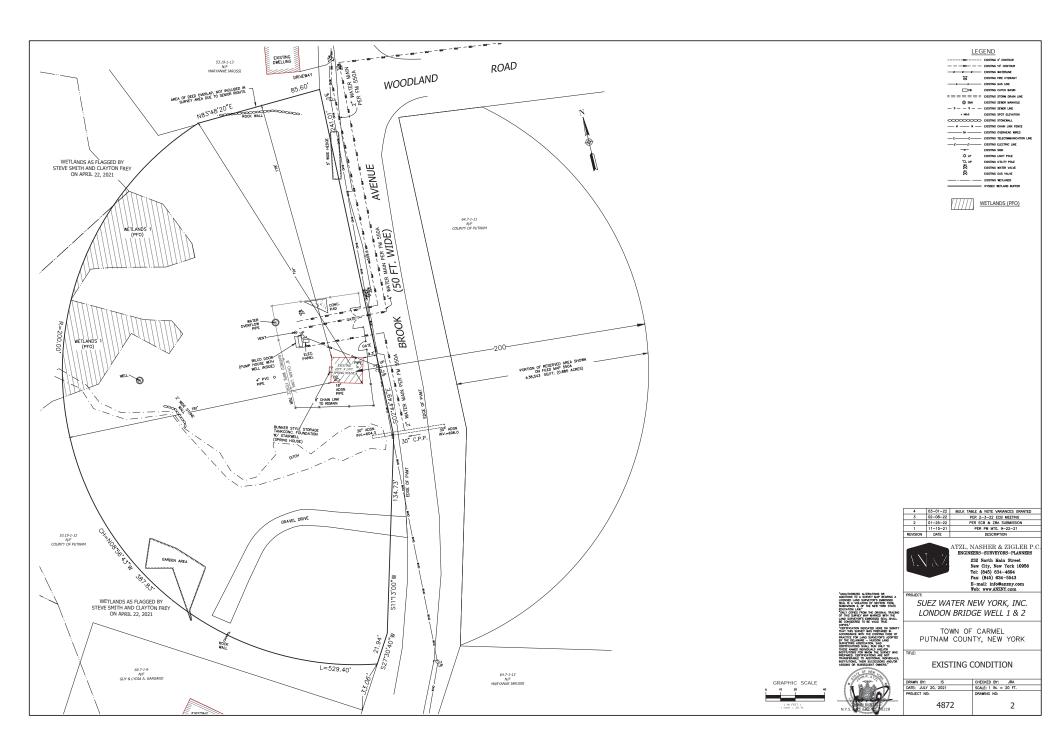
Ramya Ramanathan, AICP **Planning Analyst** 

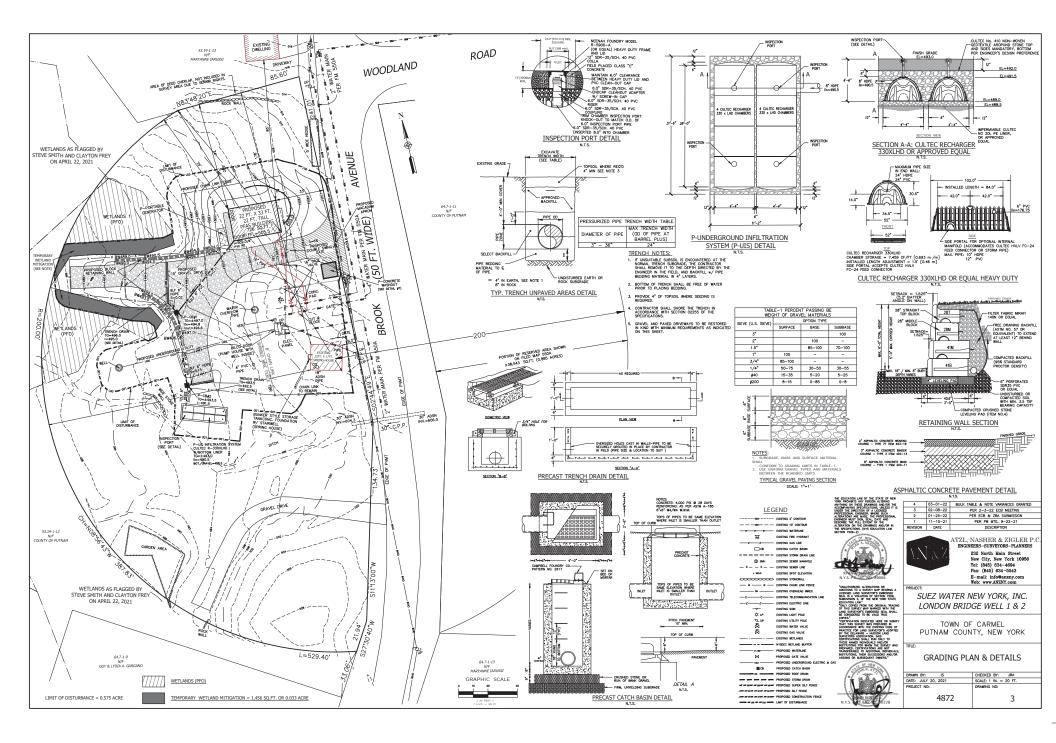
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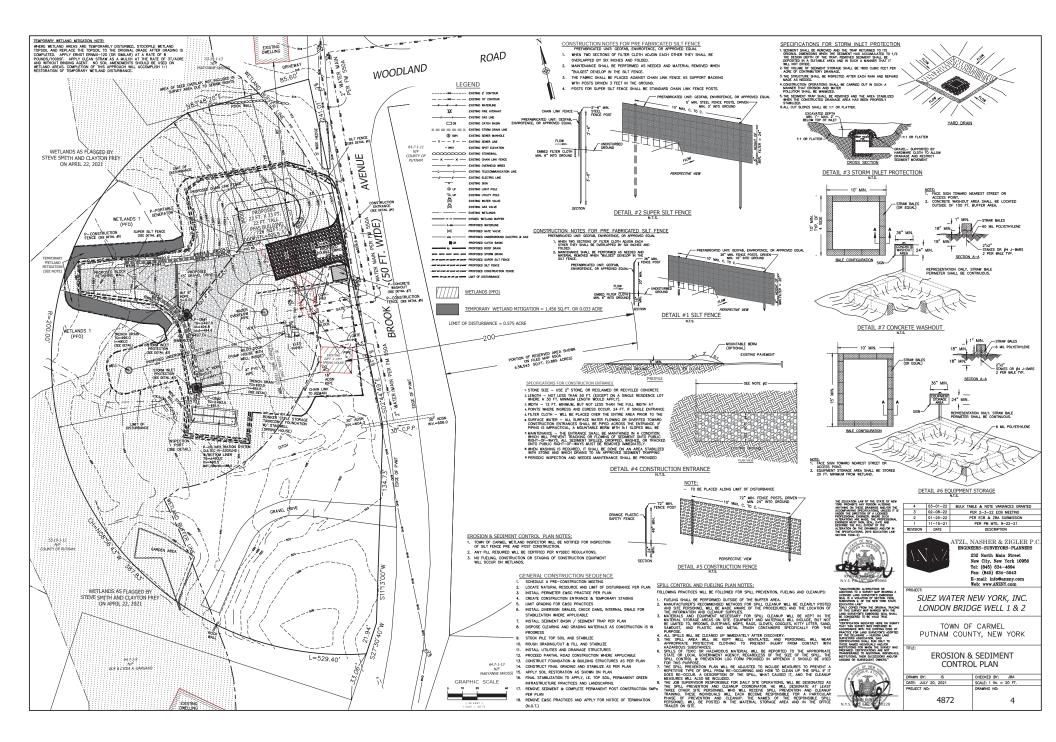
- Ms. Rose Trombetta, Town of Carmel
- Mr. Steven R. Garabed, P.E., SUEZ
- Mr. John B. Kirkpatrick, Kirkpatrick Law LLC
- Ms. Sophia Liskovich, P.E., Gannett Fleming
- Mr. Thomas Hercel, J. Fletcher Creamer & Son, Inc.

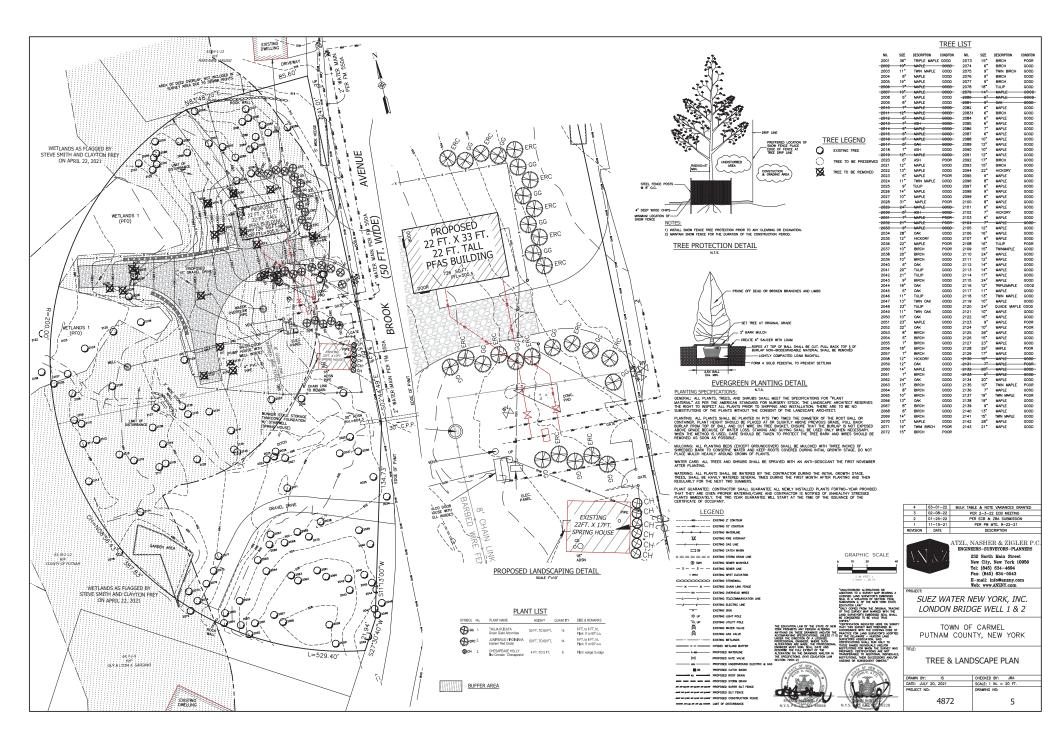


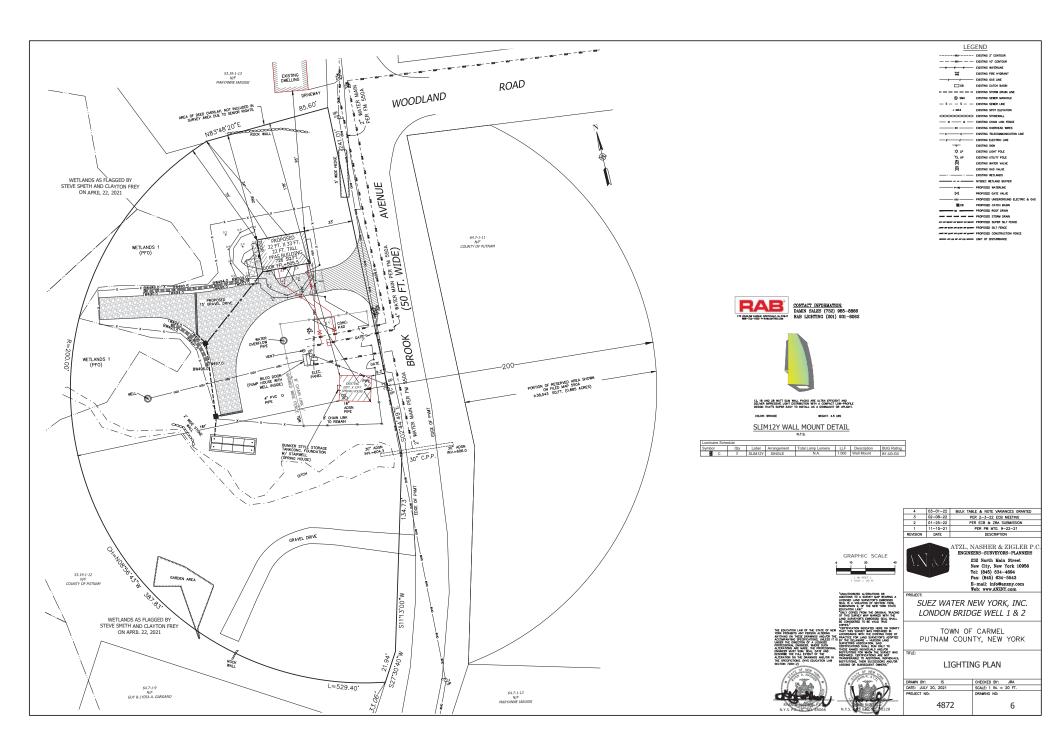


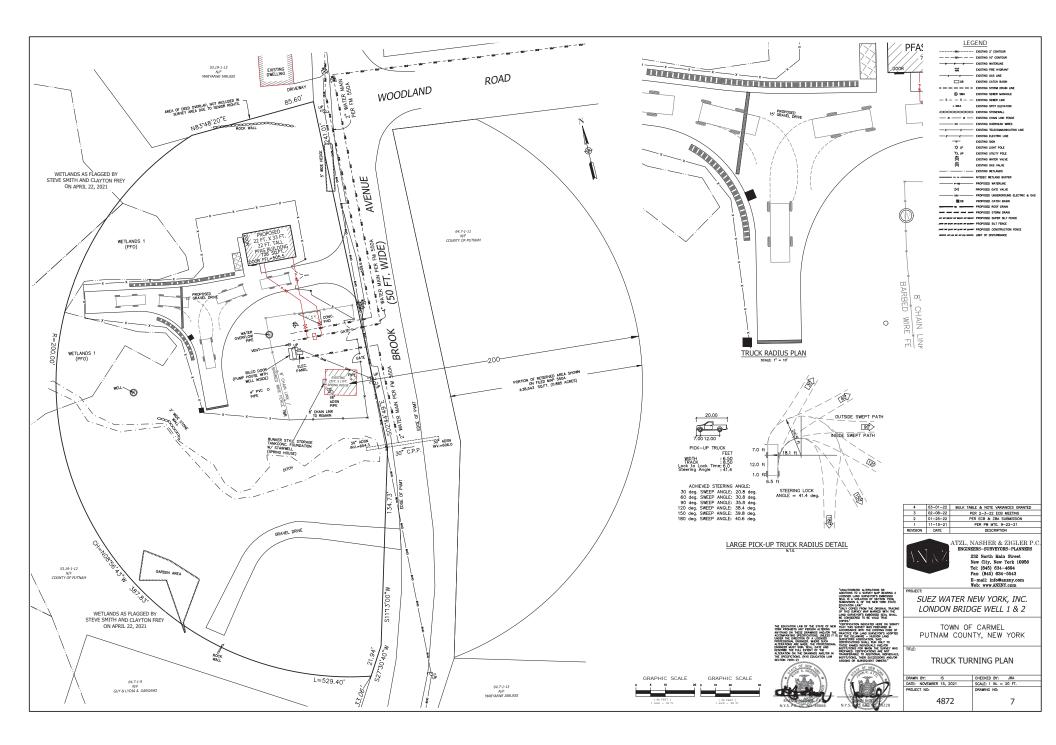


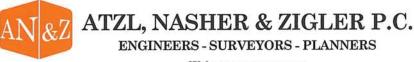












Web: www.anzny.com

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Ramya Ramanathan, AICP **Planning Analyst** 

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