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Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



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

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

ENVIRONMENTAL CONSERVATION BOARD AGENDA

JUNE 2, 2022 – 7:30 P.M.

SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

<u>APPLICANT</u>	<u>ADDRESS</u>	<u>TAX MAP #</u>	<u>COMMENTS</u>
1. Cioffi, Frank	436 Austin Road	64.5-1-48	Construct Building In Buffer
2. Suez Water New York Inc – Chateau Wells	59 McNair Drive	75.20-1-16	Upgrades to Existing Well Site
3. Miriyagalla, Manura	65 Mexico Lane	53.-2-1	Construct 24'x20' Garage
4. Carinci, Steven & Rosemary	69 Lakeside Road	64.18-2-73	Construct Garage, Driveway & House Addition

MISCELLANEOUS

5. Minutes – 05/19/22

Frank Cioffi
436 Austin Rd
TM-64.5-1-48

ECB Requirements for 2nd meeting

Show line of buffer which is 100 ft from stream (In this case the line will be drawn thru the house).

Show a trench for electrical service.

Detail silt fence

Layout for rain garden. I have instructions for this.

Location of stockpile(from excavation). Cover with tarp.

If excavating by machine, show location of overnight storage outside of the buffer. Include spill kit info and tarp under machine.

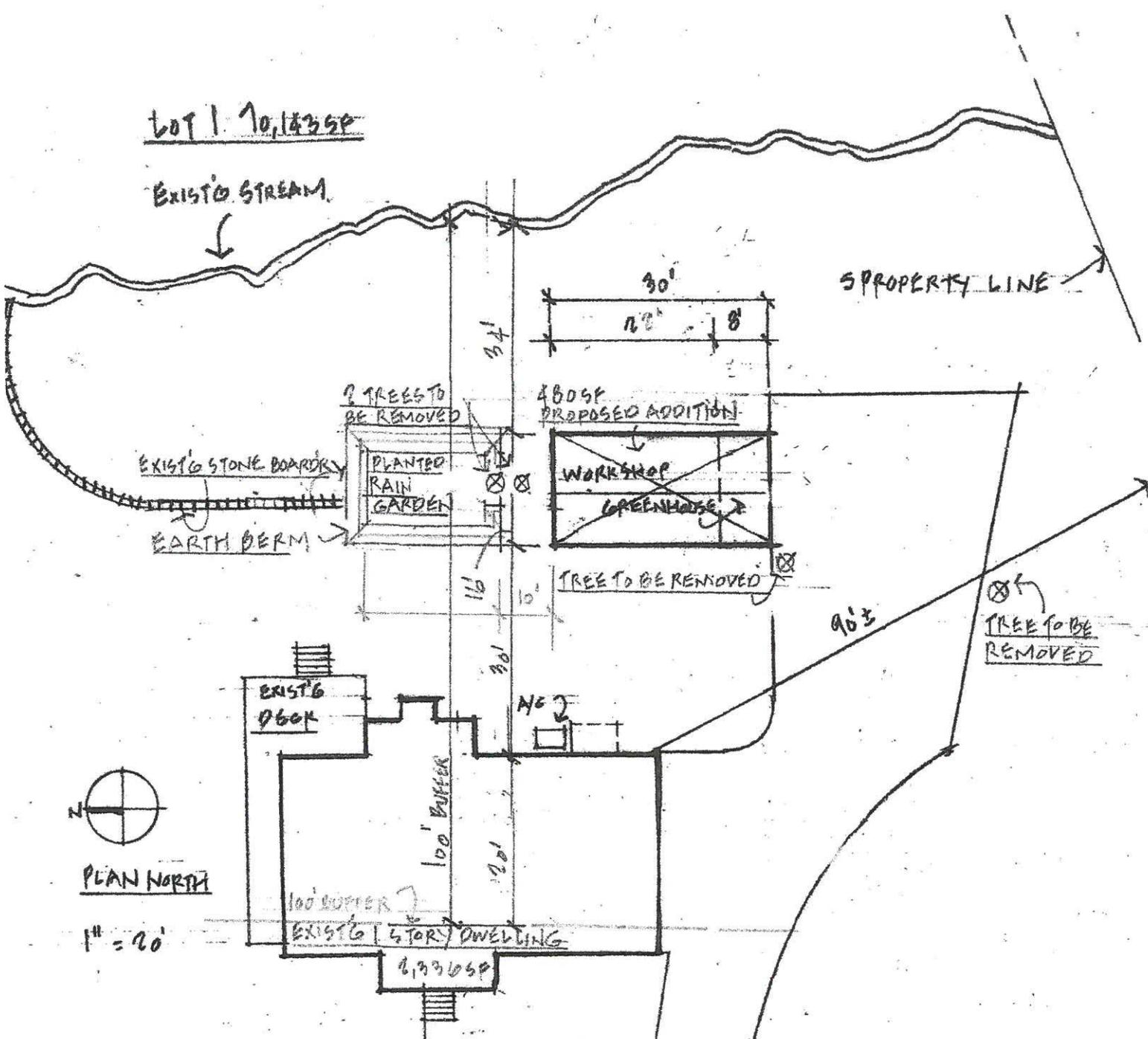
Sequence of work.

The stream is underground until it enters my property at the south border where it come to daylight thru a large black culvert pipe. Let's notate that on the plan.

LOT 1 70,143 SF

EXIST'G STREAM

PROPERTY LINE



PLAN NORTH

1" = 20'

TREE REMOVAL PART PLAN
4 TREES TO BE REMOVED

MOTZKIN BLUM ARCHITECTS

15 CARLEON AVENUE W PROPERTY LINE
LARCHMONT, NY

05.16.22
05.16.20 REVISED

AUSTIN ROAD

LOT 1 70,143 SF

EXIST'G STREAM

EXIST'G
CUVERT
PIPE

FLOW

PROPERTY LINE

SILT FENCE

PROPOSED ADJUTANT

EXIST'G STONE BOARD
EARTHBERM

PLANTED
RAIN GARDEN

WORKSHOP
ED GREENHOUSE

ENTRY

EXCAVATION
STOCKPILE

TRENCH FOR
BURIED ELECT
SERVICE

NE 2 BALCONY ABOVE

90°

EXIST'G
POOK

100' BUFFER

20'

EXIST'G EP

PAVED DRIVEWAY

EQUIPMENT
OVERNIGHT
STORAGE

SILT FENCE



PLAN NORTH

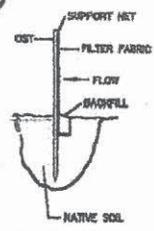
1" = 20'

EXIST'G 1STORY FRAME DWELLING

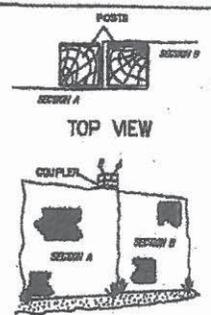
100' BUFFER

EXIST'G SS

SPILL KIT
+ TARP



TOE-IN METHOD



JOINING SECTIONS OF FENCING

INSTALLATION NOTES:

1. EXCAVATE A 4 INCH x 4 INCH TRENCH ALONG THE LOWER PORTION OF THE SITE.
2. UNROLL A SECTION AT A TIME AND PULL THE POSTS AGAINST THE BACK.
3. COMPRESSION OF THE TRENCH ONLY SIDE AWAY FROM DIRECTION OF FLOW.
4. HOLD THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
5. LAY THE TOE-IN FLAP OF FABRIC INTO THE UNDISTURBED BOTTOM OF THE TRENCH.
6. BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN ANCHORING TRENCH.
7. JOIN SECTIONS AT SHORT SPACES.

CONSTRUCTION PERIOD PART PLAN

MOTZKIN BLUM ARCHITECTS

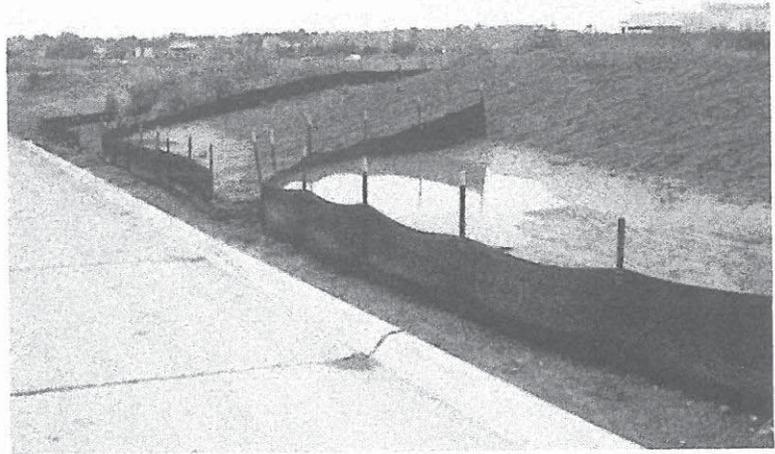
75 CARLEON AVENUE
LARCHMONT, NY

05.16.22
09.16.22 REVISED

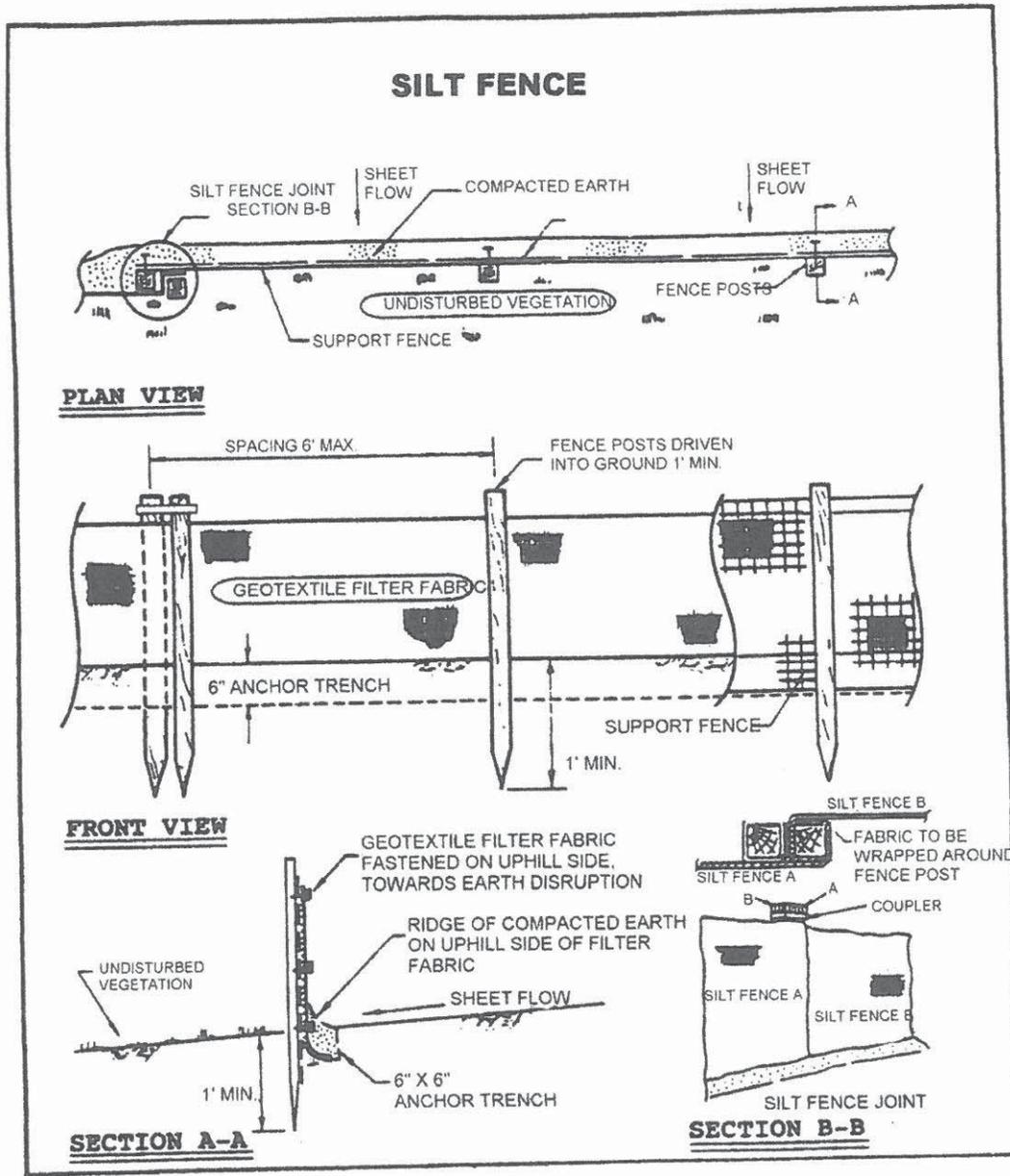
W PROPERTY LINE

AUSTIN ROAD

properly, it will eventually fill up with sediment. When the sediment is halfway up the fence, it will need to be cleaned out so that there will be room for the water to pool.

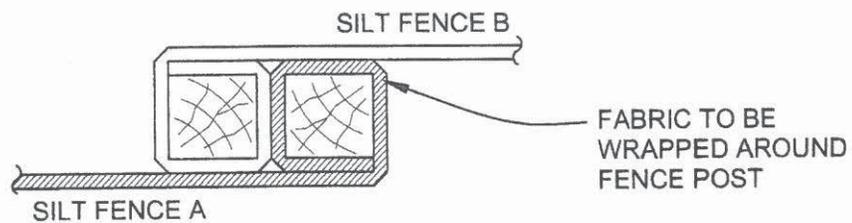
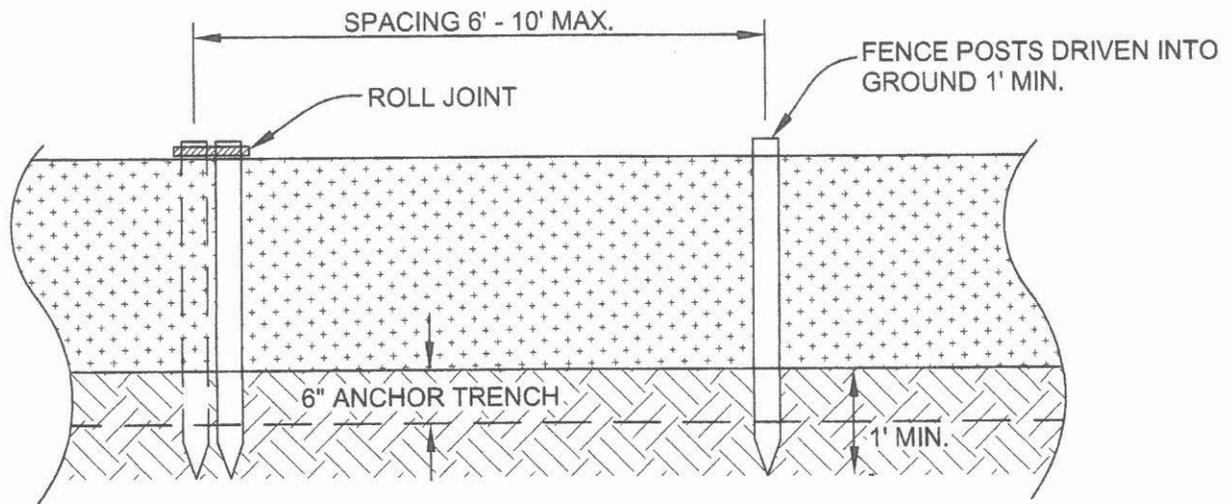


An effective installation and placement of silt fence

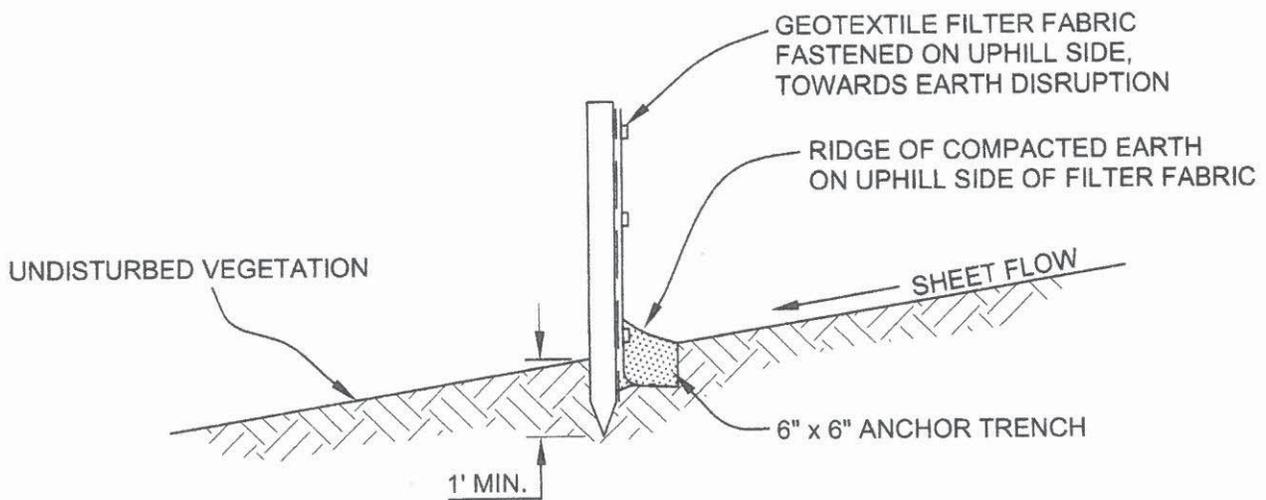


An effective Silt Fence Diagram

SILT FENCE



ROLL JOINTS



COUNTY OF CLINTON
SOIL EROSION AND
SEDIMENTATION
CONTROL

Rain Garden for 436 Austin Rd Mahopac

I propose to build a rain garden for runoff from the roof of my workshop/greenhouse. By my calculations, 100 sq. ft. is large enough for an average rain event in this area. It will consist of 1 ft. deep gravel drainage layer, 1 ft. deep soil layer. Ponding depth no greater than 3 in. A layer of landscape filter fabric will be placed between gravel and soil.

The garden will be enclosed in a berm because of all the tree roots in the space. The berm will be protected from erosion with stone and plant material.

Plants selected will Arrowwod(*viburnum dentatum*), Cardinal flower(*lobelia cardinalis*), cinnamon fern, Black Cohosh.

May use Joe Pye weed(*Eupatorium purpureum*), Silky dogwood(*cornus amomum*) with the above or as substitutes.

Sequence of Work. 436 Austin Rd. workshop/greenhouse

Remove trees as required

Install silt fence

Excavate for footing and foundation. Stockpile area selected.

Fill and prepare for slab.

Wall and roof framing, sheathing, house wrap, roofing

Trench for and install electrical service cable.

Add gutters and downspouts, construct rain garden.

Windows, doors, wood siding.

Electrical wiring installed

Insulation, drywall, interior finishes

Site cleanup, lawn repair,

BRADY

Spill Kit, Fluids Absorbed Universal, Container Type Bag

Item #783XP7 Mfr. Model #SKA-EV
 UNSPSC #47131905 Catalog Page #N/A

Country of Origin USA. Country of Origin is subject to change.

Web Price

\$209.22 / each

Qty
1

Add to Cart

Ship

Pickup

Ships from supplier. Expected to arrive on or before **Thu. Jun 16.**

Ship to 10001 | Change

Shipping Weight 7 lbs

Ship Availability Terms

Add to List



Technical Specs

Product Type	Spill Kit	PPE Included	(1) Pair of Goggles, (1) Pair of Nitrile Gloves, (2) Disposal Bags
Fluids Absorbed	Universal	Additional Components Included	(1) Carrying Bag
For Use With Chemical or Metal Type	Non-Aggressive Chemical Fluids, Petroleum-Based Fluids	Lockable	No
Specialized Applications	Vehicle Spills	Static Dissipative	No
Volume Absorbed Per Kit	9 gal	Flame Resistant	No
Container Type	Bag	UV Resistant	No
Container Size	17 in H x 15 in W x 7.25 in D	Product Weight	6 lb
Container Color	Clear	Includes Mounting Fasteners	No
Empty or Filled	Filled	Standards	RoHS Compliant
Sorbents Included	(20) 15 in x 19 in Universal Pads (2) 3 in x	Land Fill Disposable	No

4 ft Universal
Socks

 Chat with an Agent



ATZL, NASHER & ZIGLER P.C.

ENGINEERS - SURVEYORS - PLANNERS

Web: www.anzny.com

May 31, 2022

Town of Carmel
Environmental Conservation Board (ECB)
60 McAlpin Avenue
Mahopac, NY 10541

Attn: Mr. Robert Laga, Chairman

Re: Suez Water New York, Inc. | Chateau Wells

Hello Mr. Laga and Honorable Board Members:

The above referenced project was previously in front of the ECB on February 3, 2022. At this prior meeting, the ECB advised SUEZ to reconsider the driveway length, and discuss reducing the same with the Town of Carmel Planning Board.

We did discuss the recommended reduction of driveway length with the Planning Board, Town Engineer and the Building Inspector subsequently, but this was deemed unfeasible due to the insufficient maneuverability and need for more truck access area.

Therefore, no changes to the driveway have occurred since our last appearance in front of the ECB. Other changes pertaining to drainage mitigation have taken place and we wish to discuss the updated site plan with the ECB at the June 2, 2022 meeting.

We would like to be placed on the upcoming ECB meeting agenda so that the ECB can continue reviewing this project, and hopefully issue the wetland permit SUEZ is seeking. Thank you for your time and consideration. Please feel free to contact this office if any questions arise.

Regards,

A handwritten signature in black ink, appearing to read 'Ramya Ramanathan', written over a horizontal line.

Ramya Ramanathan, AICP

D:\PROJECTS\NEW YORK\NEW YORK\47222.DWG



LEGEND

---	EXISTING E' CONTOUR
---	EXISTING W' CONTOUR
---	EXISTING WARELINE
---	EXISTING FIRE HYDRANT
---	EXISTING GAS LINE
---	EXISTING CATCH BASIN
---	EXISTING STORM DRAIN LINE
---	EXISTING SEWER MANHOLE
---	EXISTING SEWER LINE
---	EXISTING SPOUT ELEVATION
---	EXISTING FIREWALL
---	EXISTING CHAIN LINK FENCE
---	EXISTING OVERHEAD WIRE
---	EXISTING SIGN
---	EXISTING LIGHT POLE
---	EXISTING UTILITY POLE
---	EXISTING WATER VALVE
---	EXISTING GAS VALVE
---	EXISTING WATER LINE

[Hatched Box]	WETLANDS (PFO)
[Cross-hatched Box]	WETLANDS (PEM)
[Diagonal-hatched Box]	WETLANDS (PSS)

THE INFILTRATION TEST RESULTS ARE AS FOLLOWS:

TEST HOLE #1

INFILTRATION TEST AT A DEPTH OF 22-INCHES (8-FEET)

SOL. LOG	SOL. TYPE
0" TO 12"	TOPSOIL
12" TO 24"	SILT & SAND

GROUNDWATER WAS FOUND AT 60-INCHES (5-FEET) DEEP.

NOTE: AN INFILTRATION PRACTICE IS NOT APPROPRIATE ON THE SITE FOR THE INFILTRATION TEST.

REVISION	DATE	DESCRIPTION
1	04-27-22	DRAINAGE REVISION PER INFILTRATION TEST
2	05-05-22	PER 11-15-22 EOB METING
3	01-25-23	PER EOB & PWS SUBMISSION
4	11-15-21	PER PWS MTL 9-22-21

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 New City, New York 10956
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 Fax: (845) 634-5543
 E-mail: info@asnzy.com
 Web: www.AN&Z.com

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

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

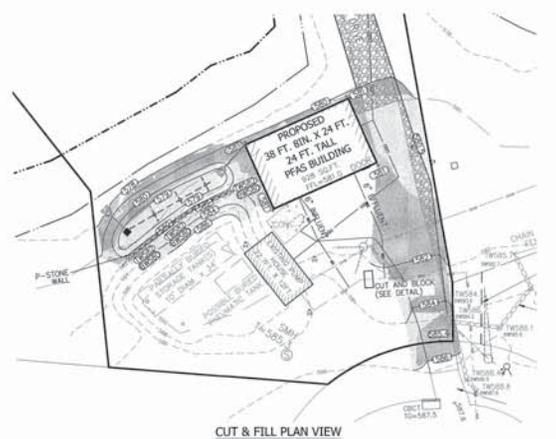
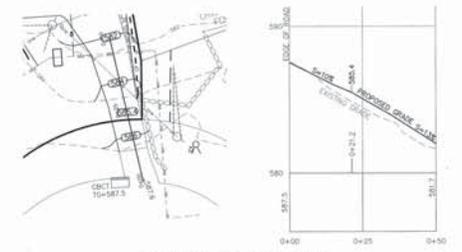
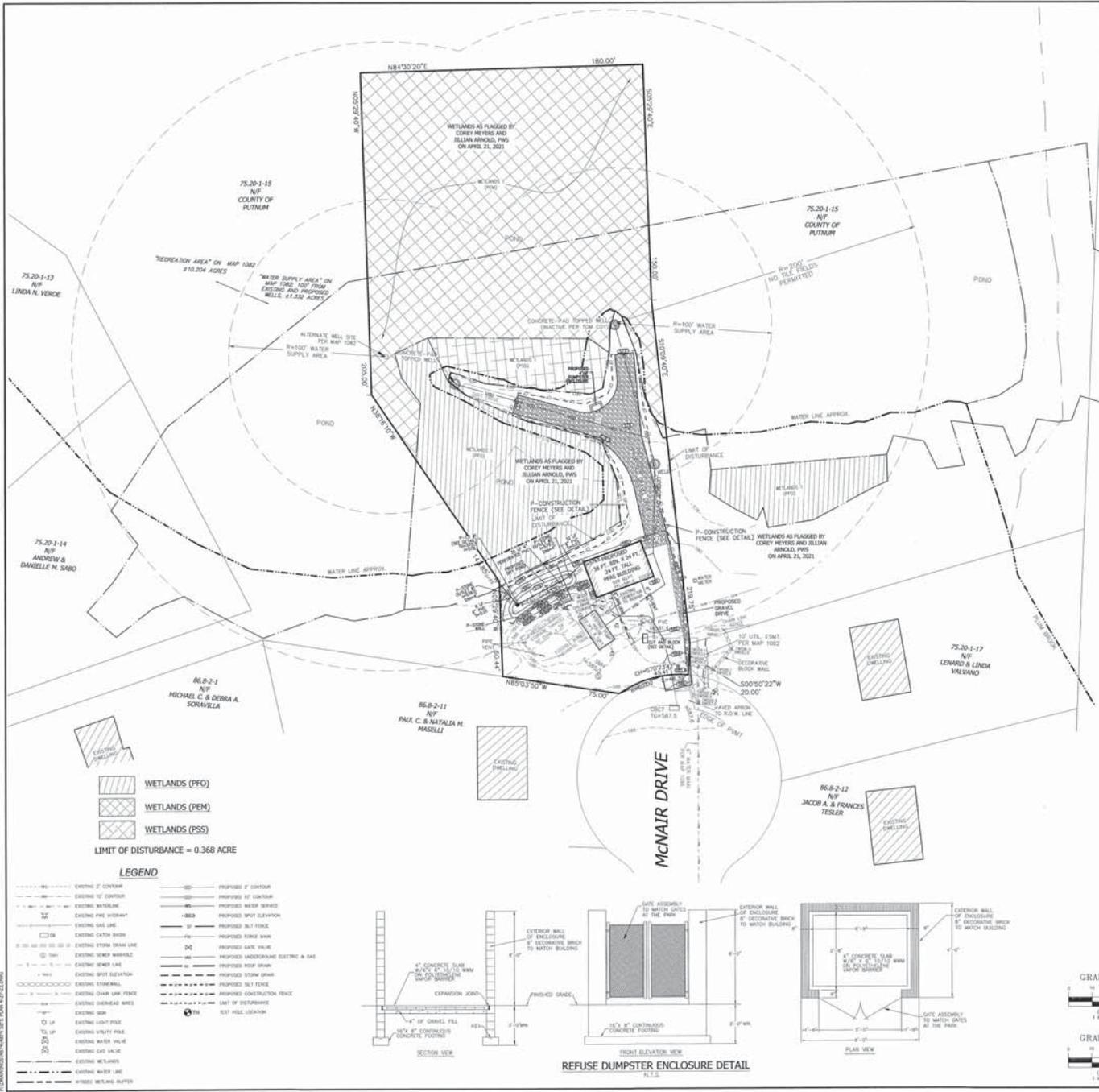
TITLE: **EXISTING CONDITION**

DRAWN BY: JS	CHECKED BY: JRA
DATE: JUL 18, 2021	SCALE: 1" = 30' FT.
PROJECT NO: 4874	DRAWING NO: 2



THE SELECTION LAW OF THE STATE OF NEW YORK...
 RYAN A. NASHER, P.E.
 N.Y.S. PE-LIC. NO. 89066

JOHN R. ATZL
 N.Y.S. E.S.-LIC. NO. 30228



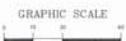
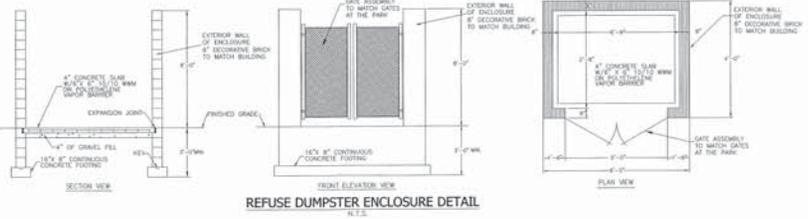
CUT/FILL LEGEND:
 CUT = 27.66 CU.YD.
 FILL = 39.97 CU.YD.

NOTES:
 1. ANY FILL MATERIALS BEING BROUGHT TO THE SITE SHALL BE CERTIFIED PER NYSDCC CODE.

WETLANDS (PFD)
WETLANDS (PEM)
WETLANDS (PSS)
 LIMIT OF DISTURBANCE = 0.368 ACRE

LEGEND

- EXISTING CENTERLINE
- EXISTING SIDE CENTERLINE
- EXISTING WATERLINE
- EXISTING FIRE HIGHWAY
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MAINLINE
- EXISTING SEWER LANE
- EXISTING SPOT ELEVATION
- EXISTING ELEVATION
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD WIRE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING WATER VALVE
- EXISTING GAS METER
- EXISTING WETLANDS
- EXISTING WATER LINE
- WETLANDS BUFFER
- PROPOSED CENTERLINE
- PROPOSED WATER SERVICE
- PROPOSED SPOT ELEVATION
- PROPOSED 3/4" FENCE
- PROPOSED FORTS SIGN
- PROPOSED GATE WALK
- PROPOSED UNDERGROUND ELECTRIC & GAS
- PROPOSED ROOF DRAIN
- PROPOSED SPONGE DRAIN
- PROPOSED SIDE FENCE
- PROPOSED CONSTRUCTION FENCE
- LIMIT OF DISTURBANCE
- TEST HOLE LOCATION



THE ENGINEERING LAW OF THE STATE OF NEW YORK...
RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066

THE ENGINEERING LAW OF THE STATE OF NEW YORK...
JOHN R. ZIGLER, P.E.
 N.Y.S. P.E. LIC. NO. 60228

4	04-17-22	DRAMAING REVISION PER INFILTRATION TEST
3	02-07-22	PER 11-15-22 ECR MEETING
2	01-25-22	PER ECR & PB SUBMISSION
1	11-15-21	PER PB MTD. 9-22-21
REVISION	DATE	DESCRIPTION

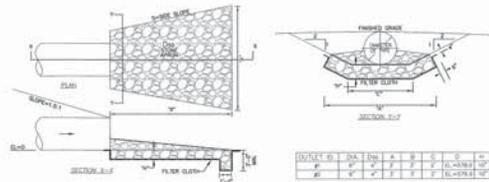
ATZL, NASHER & ZIGLER P.C.
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PROJECT:
SUEZ WATER NEW YORK, INC.
CHATEAU WELL 1, 2 & 3

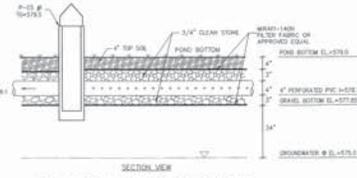
TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE:
GRADING PLAN

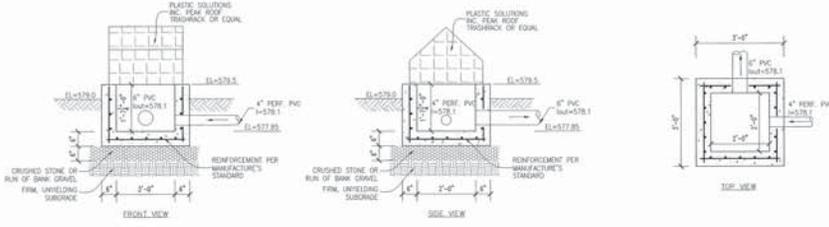
DRAWN BY: JS	CHECKED BY: JSA
DATE: JULY 18, 2021	SCALE: 1 IN. = 30 FT.
PROJECT NO: 4874	DRAWING NO: 3



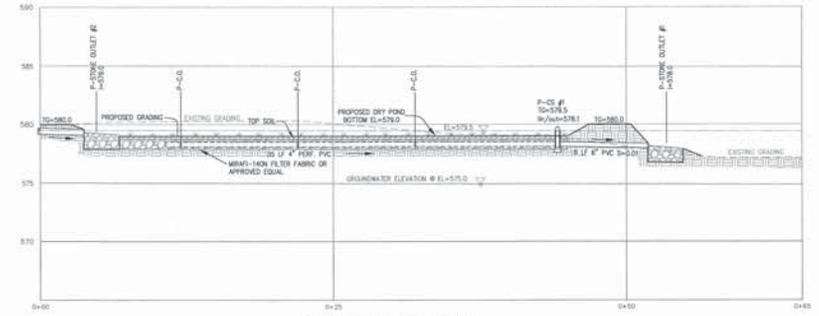
STONE OUTLET DETAIL
N.T.S.



P-DRY POND FLOOR TILE DRAIN DETAIL
N.T.S.

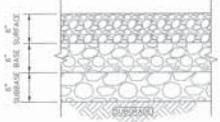


P-CS #1 DETAIL
SCALE: 1/2"=1'

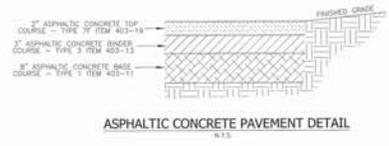


PROPOSED DRY POND PROFILE
SCALE: 1"=20'

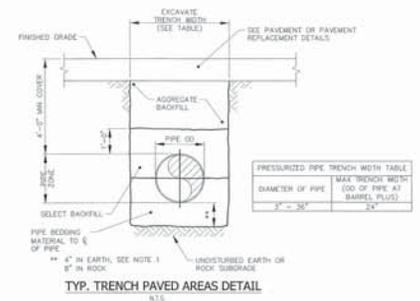
SIEVE (U.S. SIEVE)	OPTION TYPE		
	SURFACE	BASE	SUBGRADE
3"	-	100	100
2"	-	100	-
1.5"	-	85-100	75-100
1"	100	-	-
3/4"	85-100	-	-
1/2"	50-75	30-50	30-50
#40	15-35	5-20	5-25
#200	9-15	0-85	0-8



NOTES:
1. SUBGRADE, BASE AND SURFACE MATERIAL SHALL CONFORM TO SPREADING LIMITS IN TABLE-1.
2. USE UNIFORM GRAVEL TYPES AND MATERIALS BETWEEN THE BOUNDARY LIMITS.
TYPICAL GRAVEL PAVING SECTION
SCALE: 1"=1'



ASPHALTIC CONCRETE PAVEMENT DETAIL
N.T.S.



- TRENCH NOTES:
- IF UNDESIRABLE SUBSOIL IS ENCOUNTERED AT THE NORMAL TRENCH SUBGRADE, THE CONTRACTOR SHALL REMOVE IT TO THE DEPTH DIRECTED BY THE ENGINEER IN THE FIELD, AND BACKFILL w/ PIPE BEDDING MATERIAL IN 4" LAYERS.
 - BOTTOM OF TRENCH SHALL BE FREE OF WATER PRIOR TO PLACING BEDDING.
 - PROVIDE 4" OF TOPSOIL, WHERE SEEDING IS REQUIRED.
 - CONTRACTOR SHALL SHORE THE TRENCH IN ACCORDANCE WITH SECTION 1022A OF THE SPECIFICATIONS.
 - GRAVEL AND PAVED DRIVEWAYS TO BE RESTORED IN KIND WITH MINIMUM REQUIREMENTS AS INDICATED ON THIS SHEET.

PRESURICIZED PIPE TRENCH WIDTH TABLE	
DIAMETER OF PIPE (OD OF PIPE AT BARREL PLUS)	MAX TRENCH WIDTH
3" - 36"	24"

THE DIVISION LAYS OUT THE STATE OF NEW YORK HIGHWAYS AND BRIDGES IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION OF HIGHWAYS AND BRIDGES ACT AND THE DESIGN AND CONSTRUCTION OF BRIDGES ACT. THE DIVISION IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY STRUCTURE OR WORK WHICH IS NOT A HIGHWAY OR BRIDGE AS DEFINED IN THE DESIGN AND CONSTRUCTION OF HIGHWAYS AND BRIDGES ACT. THE DIVISION IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY STRUCTURE OR WORK WHICH IS NOT A HIGHWAY OR BRIDGE AS DEFINED IN THE DESIGN AND CONSTRUCTION OF HIGHWAYS AND BRIDGES ACT.

STATE OF NEW YORK
SEAL OF RYAN A. NASHER, P.E.
N.Y.S. PE LIC. NO. 69066

STATE OF NEW YORK
SEAL OF JOHN R. ATZKE, P.E.
N.Y.S. P.E. LIC. NO. 80228

4 04-27-22 DRAINAGE REVISION PER INFILTRATION TEST
3 02-23-22 PER 1-13-22 ECR MEETING
2 01-25-22 PER ECR & PB SUBMISSION
1 11-15-21 PER PB MFG. 9-22-21

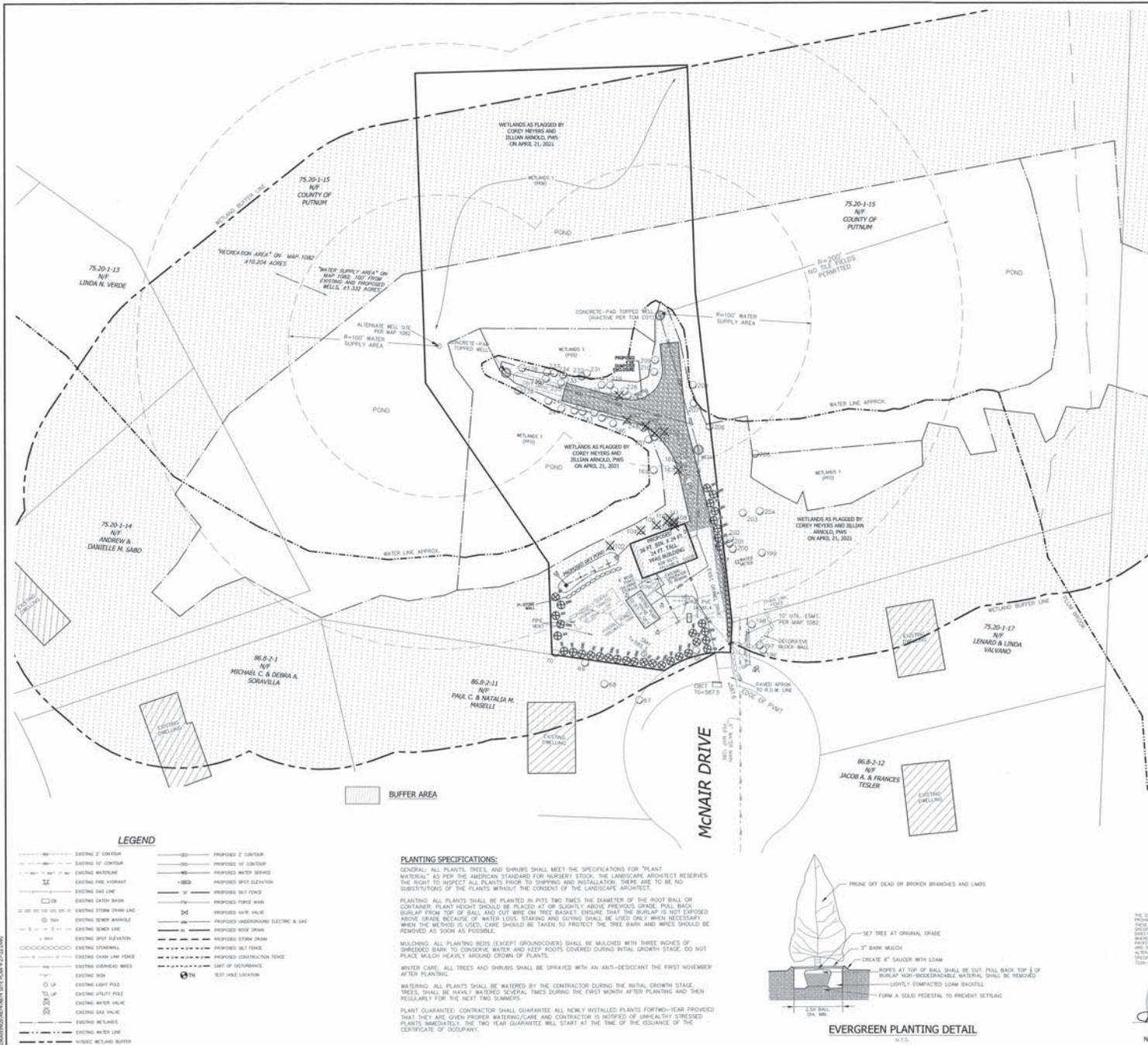
REVISION DATE DESCRIPTION

AN&Z
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CHATEAU WELL 1, 2 & 3
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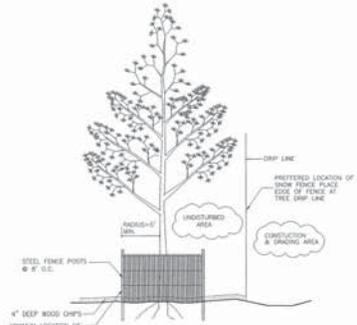
TITLE:
DETAILS & NOTES

DRAWN BY: JS	CHECKED BY: JSA
DATE: JULY 19, 2021	SCALE: AS SHOWN
PROJECT NO:	DRAWING NO:
4874	4



TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
26	30"	MAPLE	GOOD	317	10"	MAPLE	POOR
67	10"	PINE	GOOD	225	8"	MAPLE	POOR
68	8"	PINE	GOOD	226	8"	MAPLE	GOOD
69	8"	LOCUST	GOOD	228	8"	MAPLE	POOR
70	8"	LOCUST	GOOD	229	10"	MAPLE	POOR
400	8"	MAPLE	POOR	229	6"	MAPLE	POOR
401	8"	MAPLE	POOR	230	6"	MAPLE	POOR
402	10"	MAPLE	POOR	231	3"	MAPLE	POOR
403	10"	MAPLE	POOR	232	12"	MAPLE	POOR
404	8"	MAPLE	POOR	233	8"	MAPLE	GOOD
405	8"	MAPLE	POOR	234	6"	MAPLE	GOOD
406	8"	MAPLE	POOR	235	6"	MAPLE	POOR
407	8"	MAPLE	POOR	236	6"	MAPLE	GOOD
408	8"	MAPLE	POOR	237	8"	MAPLE	GOOD
409	8"	MAPLE	POOR	238	6"	MAPLE	POOR
410	8"	MAPLE	POOR	239	8"	TRIN MAPLE	GOOD
163	14"	MAPLE	POOR	240	6"	MAPLE	GOOD
194	12"	MAPLE	GOOD	241	6"	MAPLE	GOOD
197	16"	TRIN MAPLE	GOOD	242	12"	MAPLE	POOR
198	16"	MAPLE	GOOD	243	8"	MAPLE	POOR
200	10"	ASH	GOOD	244	8"	MAPLE	POOR
201	16"	MAPLE	GOOD	245	12"	MAPLE	POOR
202	8"	TOP MAPLE	POOR	246	8"	MAPLE	POOR
203	12"	QUAD MAPLE	GOOD	247	8"	MAPLE	POOR
204	10"	TRIN MAPLE	GOOD	248	8"	MAPLE	POOR
205	10"	TRIN MAPLE	GOOD	249	8"	MAPLE	POOR
206	16"	MAPLE	GOOD	250	14"	MAPLE	GOOD
207	8"	MAPLE	GOOD	251	12"	MAPLE	GOOD
208	8"	QUAD MAPLE	GOOD	252	14"	MAPLE	POOR
209	10"	MAPLE	POOR				



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

TREE PROTECTION DETAIL
 N.T.S.

PLANT LIST

SYMBOL	No.	PLANT NAME	HEIGHT	QUANTITY	SIZE	REMARKS
⊕	1.	TRIN FUCARIA Green Giant Arborvitae	8 FT TO 8 FT.	11	4 FT x 8 FT in. Plant 5 or 6 FT es.	
⊕	2.	JANPESID VIBURNUM Eastern Red Cedar	8 FT TO 8 FT.	11	4 FT x 8 FT in. Plant 5 or 6 FT es.	
⊕	3.	NORWAY SPRUCE Picea Abies	8 FT TO 8 FT.	11	4 FT x 8 FT in. Plant 5 or 6 FT es.	
⊕	4.	AMERICAN SCOPULORUM Sky Pencil	20 FT.	19	4 FT x 8 FT in. Plant 5 or 6 FT es.	

REVISION	DATE	DESCRIPTION
1	04-27-22	DRAINAGE REVISION PER INFILTRATION TEST
2	05-03-22	PER 11-13-22 ECR MEETING
3	05-25-22	PER ECR & PE SUBMISSION
4	11-15-21	PER PE MTS. 8-22-21

ATZL, NASHER & ZIGLER P.C.
 ENGINEERS - SURVEYORS - PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-6594
 Fax: (845) 634-5543
 E-mail: info@anzny.com
 Web: www.ANZNY.com

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

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TREE & LANDSCAPE PLAN

DRAWN BY: JS	CHECKED BY: JNA
DATE: JULY 19, 2021	SCALE: 1 in. = 30 FT.
PROJECT NO: 4874	DRAWING NO: 6

LEGEND

---	EXISTING 2' CONTOUR	---	PROPOSED 2' CONTOUR
---	EXISTING 5' CONTOUR	---	PROPOSED 5' CONTOUR
---	EXISTING WATERLINE	---	PROPOSED WATER SERVICE
---	EXISTING FIRE HYDRANT	---	PROPOSED SPOT ELEVATION
---	EXISTING GAS LINE	---	PROPOSED 3/4" FENCE
---	EXISTING CATCH BASIN	---	PROPOSED 3/4" FENCE
---	EXISTING STORM DRAIN LINE	---	PROPOSED 3/4" FENCE
---	EXISTING SEWER MANHOLE	---	PROPOSED UNDERGROUND ELECTRIC & GAS
---	EXISTING SEWER LINE	---	PROPOSED W/SP SHAFT
---	EXISTING SPOT ELEVATION	---	PROPOSED STORM SHAFT
---	EXISTING STORMLINE	---	PROPOSED W/SP SHAFT
---	EXISTING DRAIN LINE FENCE	---	PROPOSED CONSTRUCTION FENCE
---	EXISTING OVERHEAD WIRES	---	LIMIT OF DISTURBANCE
---	EXISTING SIGN	---	TEST HOLE LOCATION
---	EXISTING LIGHT POLE	---	
---	EXISTING UTILITY POLE	---	
---	EXISTING WATER IN/OUT	---	
---	EXISTING W/SP SHAFT	---	
---	EXISTING W/SP LINE	---	
---	EXISTING WATER LINE	---	
---	W/SP WETLAND BUFFER	---	

PLANTING SPECIFICATIONS:

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

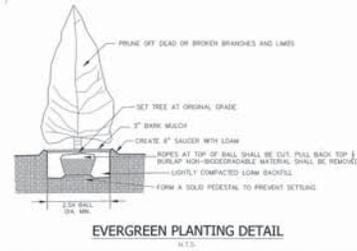
PLANTING: ALL PLANTS SHALL BE PLANTED IN PITS TWO TIMES THE DIAMETER OF THE ROOT BALL OR CONTAINER. PLANT HEIGHT SHOULD BE PLACED AT OR SLIGHTLY ABOVE PREVIOUS GRADE. FILL BACK SURROUND FROM TOP OF BALL AND OUT WIRE ON TREE BARK'S SURFACE THAT THE SURFACE IS NOT EXPOSED ABOVE GRADE BECAUSE OF WATER LOGS, STAKING AND GROUNDING SHALL BE USED ONLY WHEN NECESSARY WHEN THE METHOD IS USED. CARE SHOULD BE TAKEN TO PROTECT THE TREE BARK AND WIRING SHOULD BE REMOVED AS SOON AS POSSIBLE.

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

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

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

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

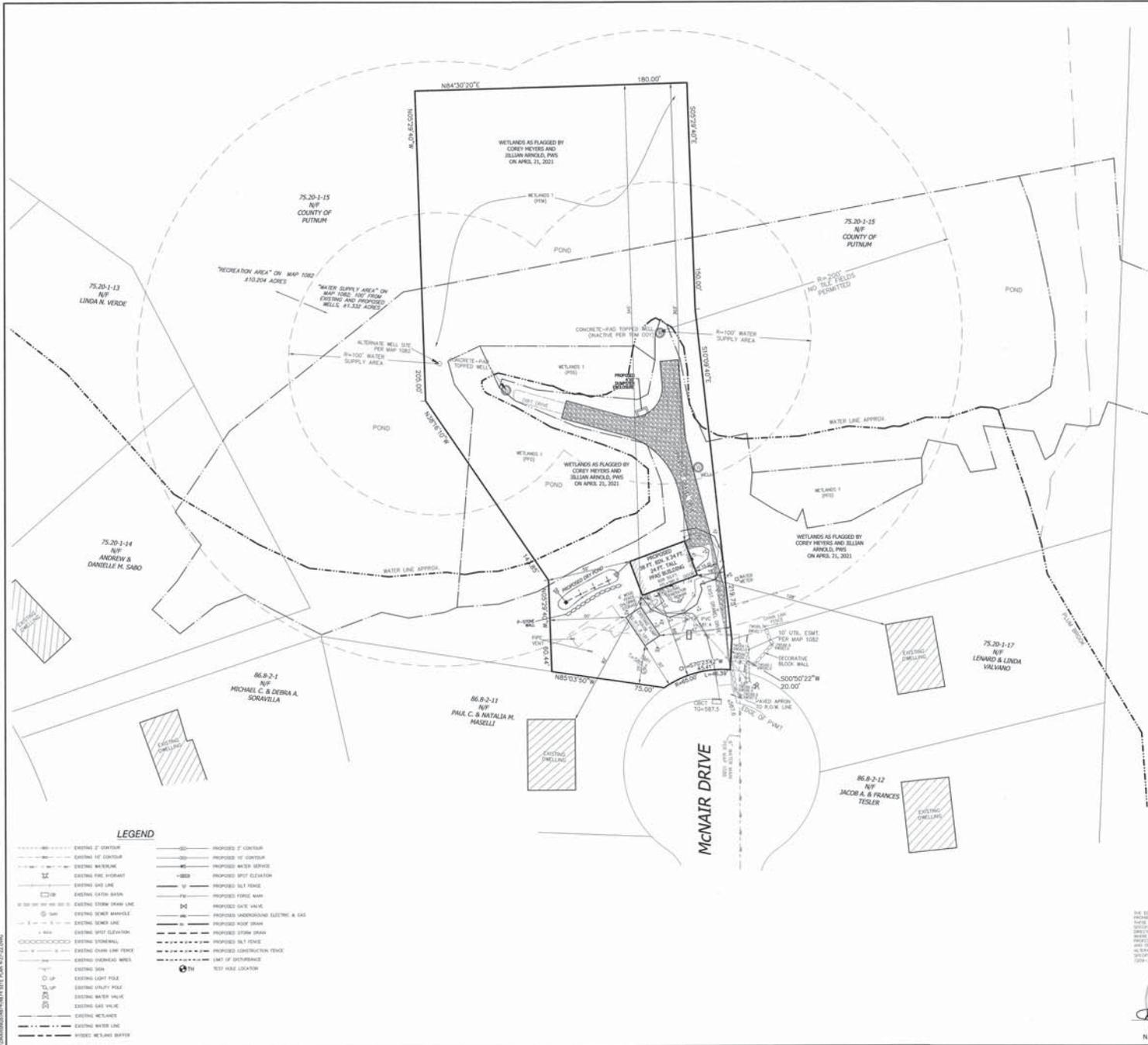


EVERGREEN PLANTING DETAIL
 N.T.S.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK.

RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066

JOHN R. ATZL, P.E.
 N.Y.S. P.E. LIC. NO. 80228



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

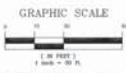


12, 18, AND 24 WATT SLIM WALL MOUNT FIXTURES ARE ULTRA EFFICIENT AND
 DELIVER UNPARALLELED LIGHT DISTRIBUTION WITH A COMPACT LOW-PROFILE
 DESIGN THAT'S EASY TO INSTALL AS A RECESSED OR SURFACE
 MOUNT.
 COLOR: BRONZE WEIGHT: 4.5 LBS
SLIM12ZY WALL MOUNT DETAIL
 N.Y.C.

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating
	2	SLIM12ZY	SINGLE	N/A	1.000	Wall Mount	B1-U0-G0

LEGEND

- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING WATERLINE
- EXISTING FIRE HOSELINE
- EXISTING GAS LINE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN LINE
- EXISTING SEWER LINE
- EXISTING ELEVATION
- EXISTING VERTICAL
- EXISTING DRAIN LAW FENCE
- EXISTING OVERHEAD WIRE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING SIGN POLE
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- EXISTING WETLANDS
- EXISTING WATER LINE
- HYBRID WETLAND BOUNDARY
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED WATER SERVICE
- PROPOSED SPOT ELEVATION
- PROPOSED 1/2" FENCE
- PROPOSED FENCE MARK
- PROPOSED GATE VALVE
- PROPOSED UNDERGROUND ELECTRIC & GAS
- PROPOSED NEW DRAIN
- PROPOSED STORM DRAIN
- PROPOSED 1/2" FENCE
- PROPOSED CONSTRUCTION FENCE
- LIMIT OF DISTURBANCE
- 10' SET BACK 120x150



THE SELECTION LAW OF THE STATE OF NEW YORK
 IMPOSES A FURTHER OBLIGATION UPON THE
 ENGINEER AND ARCHITECT TO PROVIDE THE
 NECESSARY DETAILS FOR THE PROTECTION OF
 THE PUBLIC INTEREST AND TO GUARANTEE
 THE SAFETY OF THE WORK. THE ENGINEER AND
 ARCHITECT SHALL BE RESPONSIBLE FOR THE
 PROTECTION OF THE PUBLIC INTEREST AND
 TO GUARANTEE THE SAFETY OF THE WORK.
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 PUBLIC INTEREST AND TO GUARANTEE THE
 SAFETY OF THE WORK.



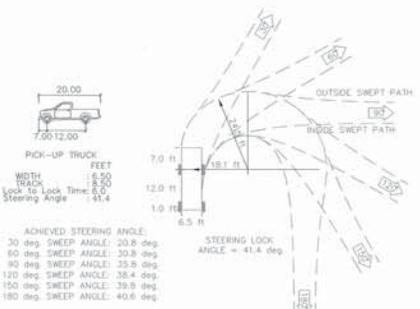
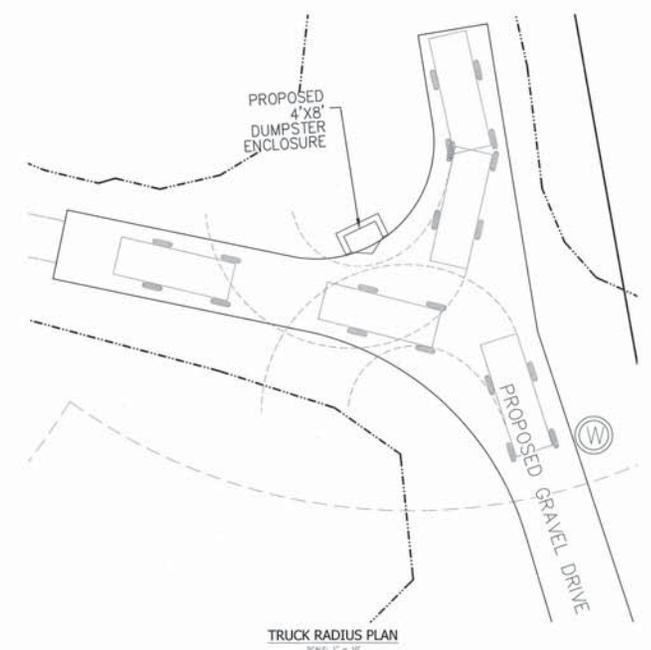
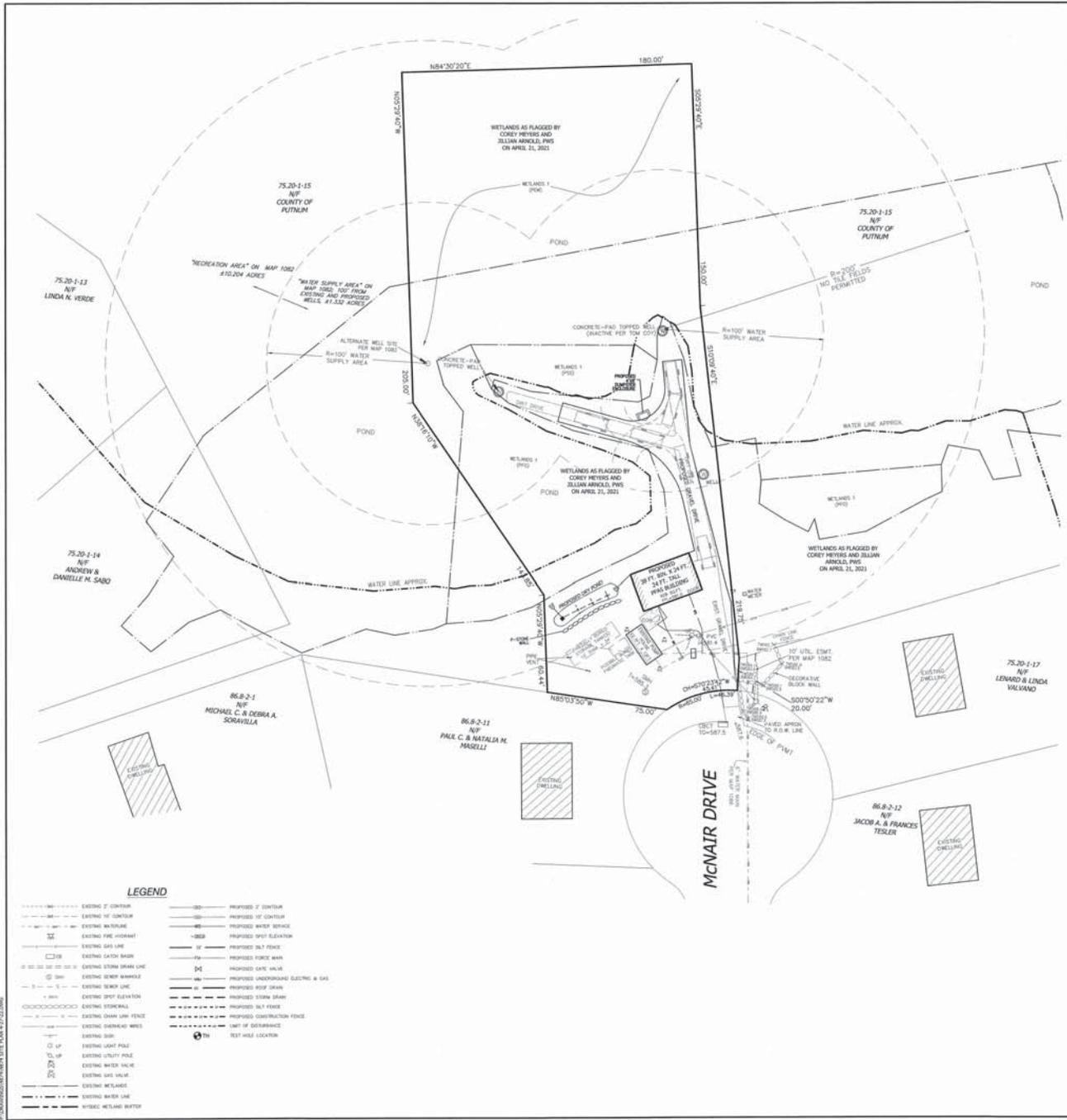
REVISION	DATE	DESCRIPTION
4	04-27-22	DRAINAGE REVISION PER INFILTRATION TEST
3	02-07-22	PER 1-13-22 ECR MEETING
2	01-25-22	PER ECR & FB SUBMISSION
1	11-15-21	PER FB MTD, 9-22-21

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

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

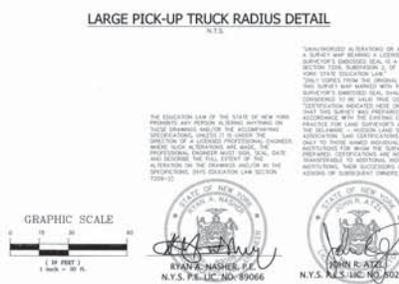
LIGHTING PLAN

DATE: JULY 19, 2021
 DRAWN BY: JS
 CHECKED BY: JRA
 SCALE: 1" = 30 FT.
 PROJECT NO: 4874
 DRAWING NO: 7



LEGEND

--- EXISTING CENTER	--- PROPOSED CENTER
--- EXISTING CENTER	--- PROPOSED CENTER
--- EXISTING WATERLINE	--- PROPOSED WATER SERVICE
--- EXISTING FIRE HYDRANT	--- PROPOSED SPOT ELEVATION
--- EXISTING GAS LINE	--- PROPOSED 24" FENCE
--- EXISTING CATCH BASIN	--- PROPOSED FENCE MARK
--- EXISTING UTILITY DRAIN LINE	--- PROPOSED GATE VALVE
--- EXISTING SEWER MANHOLE	--- PROPOSED UNDERGROUND ELECTRIC & GAS
--- EXISTING SEWER LINE	--- PROPOSED ROOF DRAIN
--- EXISTING SEWER ELEVATION	--- PROPOSED STUMP DRAIN
--- EXISTING STONE WALL	--- PROPOSED SILV FENCE
--- EXISTING CHAIN LINK FENCE	--- PROPOSED CONSTRUCTION FENCE
--- EXISTING SCHEDULED WELLS	--- 10' W/ OF OBSTRUCTION
--- EXISTING SIGN	--- BEST GOLF LOCATION
--- EXISTING LIGHT POLE	
--- EXISTING UTILITY POLE	
--- EXISTING WATER POLE	
--- EXISTING GAS VALVE	
--- EXISTING WETLANDS	
--- EXISTING WATER LINE	
--- HYBRID WETLAND BUFFER	



REVISION	DATE	DESCRIPTION
4	04-27-22	DRAINAGE REVISION PER INFILTRATION TEST
3	02-09-22	PER 11-13-22 ECR MEETING
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New City, New York 10956
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E-mail: info@anzy.com
Web: www.ANZNY.com

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

TOWN OF CARMEL
PUTNAM COUNTY, NEW YORK

TITLE: **TRUCK TURNING PLAN**

DRAWN BY: JS
DATE: NOVEMBER 15, 2021
PROJECT NO: 4874

CHECKED BY: JJA
SCALE: 1" = 30 FT.
DRAWING NO: 8

C:\PROJECTS\ATZL\STATE PLAN\14-22\2208.dwg

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
Secretary

**TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD**



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

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: MANURA M. MIRIYAGALLA
Address of Applicant: MAHOPAC, NY, 10541 Email: MANU.MIRIYAGALLA@YAHOO.COM
65 MEXICO LANE
Telephone# _____ Name and Address of Owner if different from Applicant: N/A
N/A

Property Address: 65 MEXICO LANE Tax Map # 53.-2-1
Agency Submitting Application if Applicable: N/A
Location of Wetland: FRONT YARD - STREAM
Size of Work Section & Specific Location: 2640 SQ. FT. DISTURBANCE, SIDE YARD
Will Project Utilize State Owned Lands? If Yes, Specify: NO

Type and extent of work (feet of new channel, yards of material to be removed, draining, dredging, filling, etc). A brief description of the regulated activity (attach supporting details).
CONSTRUCTION OF A 24 FT X 20 FT GARBAGE

Proposed Start Date: JULY 1, 2022 Anticipated Completion Date: AUG. 1, 2022 Fee Paid \$ 1,000.00

CERTIFICATION

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief, false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. As a condition to the issuance of a permit, the applicant accepts full legal responsibility for all damage, direct or indirect, or whatever nature, and by whomever suffered, arising out of the project described here-in and agrees to indemnify and save harmless the Town of Carmel from suits, actions, damages and costs of every name and description resulting from the said project.

Manu Miriyagalla
SIGNATURE

5/14/2022
DATE

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

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

Part 1 – Project and Sponsor Information			
Name of Action or Project: MANURA GARAGE CONSTRUCTION			
Project Location (describe, and attach a location map): 65 MEXICO LANE			
Brief Description of Proposed Action: CONSTRUCTION OF A 24 X 20 GARAGE AND INSTALLATION OF INFILTRATORS AS MITIGATION OF THE CONSTRUCTION IN THE 100 FOOT SETBACK FROM THE STREAM.			
Name of Applicant or Sponsor: MANURA MIRIYAGALLA		Telephone:	
		E-Mail: MANU.MIRIYAGALLA@YAHOO.COM	
Address: 65 MEXICO LANE			
City/PO: MAHOPAC		State: NY	Zip Code: 10541
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action? _____ 8.4 acres			
b. Total acreage to be physically disturbed? _____ 0.06 acres			
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 8.4 acres			
4. Check all land uses that occur on, are adjoining or near the proposed action:			
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations? b. Consistent with the adopted comprehensive plan?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels? b. Are public transportation services available at or near the site of the proposed action? c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ EXISTING WELL _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ EXISTING SEPTIC SYSTEM _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ CONSTRUCTION OF THE GARAGE WILL BE WITHIN 100 FEET OF A STREAM. _____ _____	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

Shoreline Forest Agricultural/grasslands Early mid-successional

Wetland Urban Suburban

15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? Northern Long-eared Bat	NO	YES
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

16. Is the project site located in the 100-year flood plan?	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____	NO	YES
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

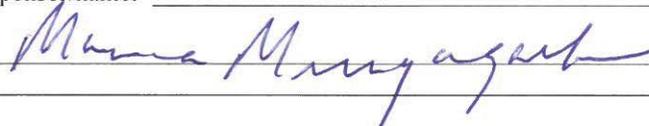
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Applicant/sponsor/name: MANURA MIRIYAGALLA Date: MAY 15, 2022

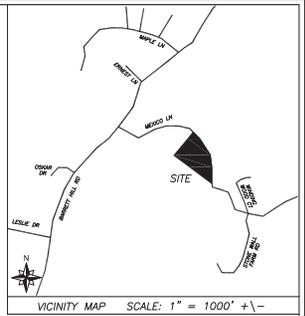
Signature:  Title: OWNER

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

Gamin, USGS, Intermap, INCREMENTP, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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

LOT 1
 "FINAL PLAT, SUBDIVISION OF PROPERTY
 PREPARED FOR NORMAN M. & BARBARA F. MARINO"
 (filed July 11, 1986 as Map No. 2147)



AREA = 8.4072 ACRES
 (366,219.50 FT.)

REFER TO MAP ENTITLED
 "J. FRANCIS RATTENBURY"
 (filed November 16, 1982 as Map No. 969)
 LOT 1
 (Libr. 1084, Page 271)

PARCEL 'A'
 "RE-SUBDIVISION OF LOTS 1 & 2 OF
 SUBDIVISION PREPARED FOR ROBERT WILSON"
 (filed April 20, 1978 as Map No. 1168-A)
 now or formerly ~ ISIDORO & DAWN ALBANESE

now or formerly
 KIM VALLEY
 (Libr. 1652, Page 456)

now or formerly
 ALBERT & ELLING L. CORDELLI
 (Libr. 1337, Page 88)

lands formerly of RICHARD L. & MARCIA PADDEN

now or formerly
 CHRISTOPHER & DANETTE GRANGER
 (Libr. 1336, Page 89)

SURVEY PREPARED BY BAXTER LAND SURVEYING, DATED FEBRUARY 21, 2021 & REVISED FEBRUARY 25, 2021

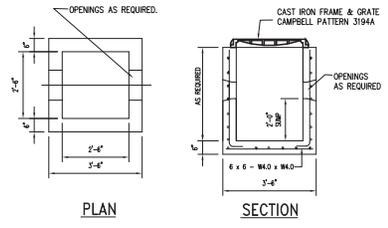
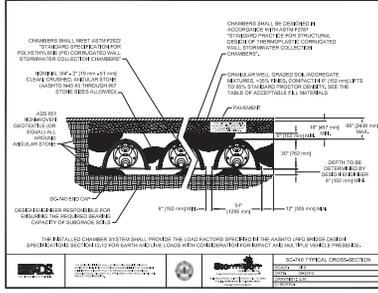
ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL.
 ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL, SIGNATURE AND
 DATE OF ALTERATION.



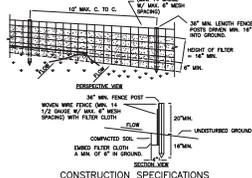
DATE: _____		
JOHN KARELL, JR. P.E.		
121 CUSHMAN ROAD PATTERSON, NEW YORK 12563		
OWNER:	SCALE: 1" = 40'	LATEST REVISION:
MANURA MALITH MIRIYAGALLA 65 MEXICO LANE CARMEL (1)	DATED: MARCH 22, 2022	SHEET No. S-1
SITE PLAN	TAX MAP: 53-2-1	



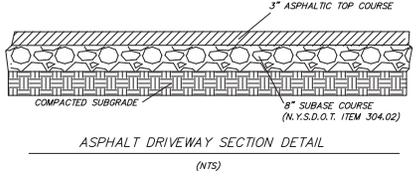
now or formerly
CHRISTOPHER & DANETTE GRANGER
 (Liber 1856, Page 469)



YARD DRAIN



1. WOOD WIRE FENCE TO BE INSTALLED SECURELY TO FRAME POSTS WITH WIRE TIES OR SPANSEL POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" TYPE OR HOLLOWWOOD.
2. FILTER FABRIC TO BE TO BE INSTALLED SECURELY TO WIRE WITH WIRE TIES OR SPANSEL POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" TYPE OR HOLLOWWOOD.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" TO 12" AND SECURED TO WIRE WITH WIRE TIES OR SPANSEL POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" TYPE OR HOLLOWWOOD.
4. REQUIREMENTS WIRE SHALL BE SECURELY OVERLAPPED OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BLIND" DEVELOP IN THE SILT FENCE.



- SOIL EROSION AND SEDIMENT CONTROL NOTES**
1. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE STALLED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, 2016, AS REVISED.
 2. ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEED AND MULCHED WITHIN 7 DAYS OF THE LAST DISTURBANCE WITH TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREA SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, 2016 AS FOLLOWS:

Species (Lb. by weight)	lbs./1,000 sq. ft.	lbs./acre
65% Kentucky bluegrass blend	2.0-2.6	85-114
20% perennial ryegrass	0.6-0.8	28-35
14% Red fescue	0.4-0.6	19-29
Total	3.0-4.0	130-175
Or 100% tall fescue, turf-type fine leaf	3.4-4.0	150-200
 3. MULCH: OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FEET OR TWO TONS PER ACRE. TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK GUIDELINES. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 4. IN AREAS OF SLOPES STEEPER THAN ONE ON TWO, JUTE MATTING SHALL BE USED TO STABILIZED SEEDING AND / OR PLANTED AREAS. JUTE MATTING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK GUIDELINES.
 5. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN SEVEN (7) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:
 - A) STEEP SLOPES OR EROSION SLOPES GREATER THAN 2:1 (H:V) SHALL BE PROVIDED WITH EROSION CONTROL MATTING AS SHOWN IN THE DETAIL SHEET.
 - B) SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
 - C) PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.
 - D) THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL PRACTICES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADED AREAS SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENT BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL PERMANENT STORM DRAINAGE SYSTEM IS IN PLACE.
 - E) DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
 - F) STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROAD WAIS OR DRAINAGE FACILITIES. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A SILT FENCE, HAY BALE BARRIERS OR A COMBINATION OF BOTH.
 - G) SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BENS ARE NOT REACHED, AND THAT ALL BARRIERS ARE INTACT.
 - H) MANDATORY STORMWATER INSPECTIONS SHALL BE PERFORMED WEEKLY AND WITHIN 24 HOURS OF ANY PRECIPITATION EVENT PRODUCING MORE THAN 1/2" OF PRECIPITATION OVER AND 24 HOUR PERIOD. INSPECTIONS ARE PERFORMED BY A LICENSED PROFESSIONAL.
 - I) ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED ON THE SITE UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. FINAL STABILIZATION IS DEFINED AS 80% DENSITY OF VEGETATION UPON CERTIFICATION OF FINAL ACCEPTANCE. THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
 - J) ALL DRAINAGE OUTLETS AND INLETS SHALL BE LINED WITH RIP-RAP AS SPECIFIED ON THE PLANS AND/OR PER ENGINEER.
 - K) THE PROPERTY OWNER IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES. HOWEVER ON A DAY TO DAY BASIS THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES.

SURVEY PREPARED BY BAXTER LAND SURVEYING, DATED FEBRUARY 21, 2021 & REVISED FEBRUARY 25, 2021

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



JOHN KARELL, JR. P.E. 121 CUSHMAN ROAD PATTERSON, NEW YORK 12563		
OWNER:	SCALE:	LATEST REVISION:
MANURA MALITH MIRIYAGALLA 65 MEXICO LANE CARMEL (1)	1" = 20'	
IMPROVEMENT PLAN	DATED: MARCH 22, 2022	SHEET No. S-2
	TAX MAP: 53-2-1	

Fee 1000.

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



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

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: STEVEN + ROSEMARY CARINCI

Address of Applicant: 69 LAKESIDE RD MAHOPAC Email: SSTILE@COMCAST.NET

Telephone# 914-469-3295 Name and Address of Owner if different from Applicant:

Property Address: 69 LAKESIDE RD MAHOPAC, NY 10541 Tax Map # 64.18.2-73

Agency Submitting Application if Applicable: _____

Location of Wetland: KIRK LAKE

Size of Work Section & Specific Location: 9400 SQFT IN FRONT & SIDE YARD

Will Project Utilize State Owned Lands? If Yes, Specify: NO

Type and extent of work (feet of new channel, yards of material to be removed, draining, dredging, filling, etc). A brief description of the regulated activity (attach supporting details).

Proposed Start Date: 8/1/2022 Anticipated Completion Date: 11/30/2022 Fee Paid \$ 1000.-

CERTIFICATION

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief, false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. As a condition to the issuance of a permit, the applicant accepts full legal responsibility for all damage, direct or indirect, or whatever nature, and by whomever suffered, arising out of the project described here-in and agrees to indemnify and save harmless the Town of Carmel from suits, actions, damages and costs of every name and description resulting from the said project.

[Signature]
SIGNATURE

5/19/2022
DATE

Short Environmental Assessment Form

Part 1 - Project Information

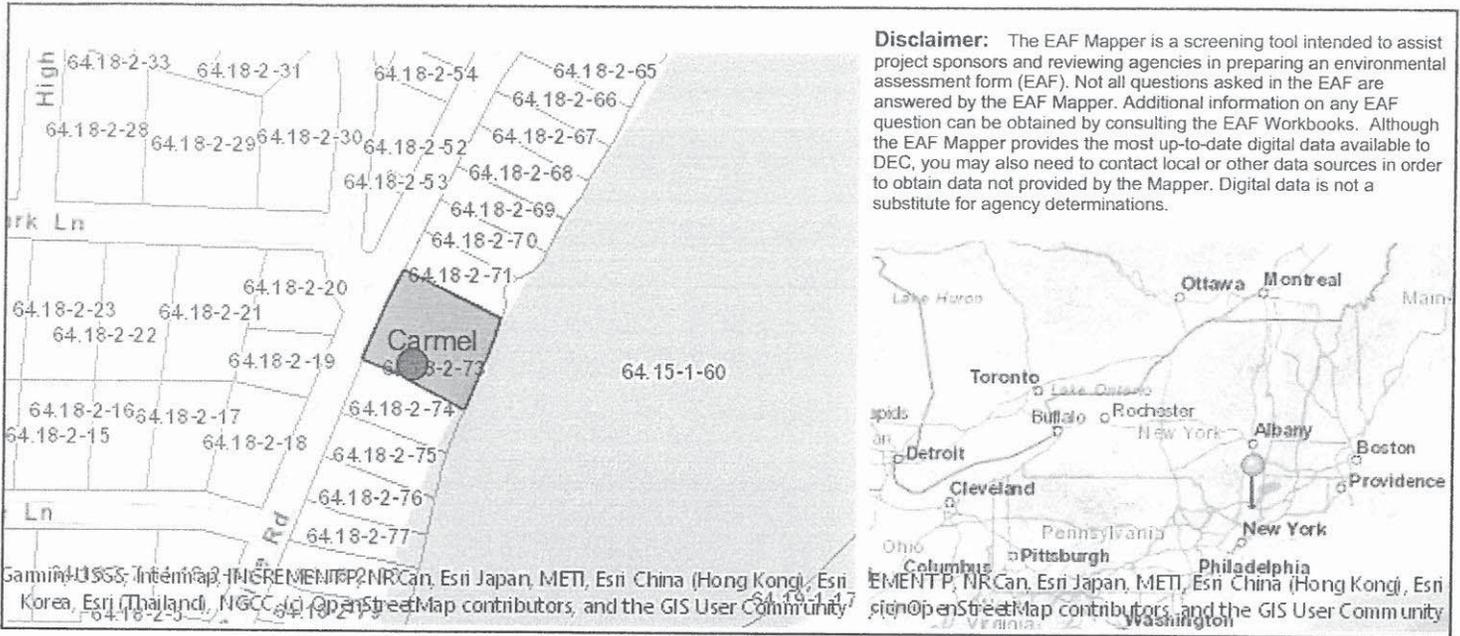
Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

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

Part 1 – Project and Sponsor Information			
Name of Action or Project: CARINCI HOUSE ADDITION, GARAGE AND DRIVEWAY CONSTRUCTION			
Project Location (describe, and attach a location map): 69 LAKESIDE ROAD, CARMEL, NY			
Brief Description of Proposed Action: Construction of a garage, driveway and house addition with infiltration practices to treat stormwater and relocation of an existing 18 inch HDPE pipe collecting water from an existing catch basin in Lakeside Drive around the proposed garage and house addition.			
Name of Applicant or Sponsor: Stephen and Rosemary Carinci		Telephone: 914 469 3295	
		E-Mail: sstile@comcast.net	
Address: 69 Lakeside Road			
City/PO: Mahopac		State: NY	Zip Code: 10541
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action?		_____ 0.423 acres	
b. Total acreage to be physically disturbed?		_____ 0.06 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		_____ 0.423 acres	
4. Check all land uses that occur on, are adjoining or near the proposed action:			
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations? b. Consistent with the adopted comprehensive plan?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels? b. Are public transportation services available at or near the site of the proposed action? c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ existing well _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ existing septic system _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



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

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

ROOF & DRIVEWAY DRAINAGE INFILTRATION STUDY
Stephen & Rosemary Carinci, 69 Lakeside Road, Carmel (T)

25 Year Design Storm 6.0 in.
 25 year Impervious C Factor CN 98 = 5.7
 25 Year Existing C Factor (good lawn) CN 74 = 3.3
 Soil Type Urban Land Paxton Complex 8-15%
 Hydrologic Group C
 Rock Depth > 7 feet
 Water Depth > 7 feet
 Soil Percolation Rate 10 Minutes per Inch

PROPOSED IMPERVIOUS AREA EACH LOT:

Garage & Addition 1636 SF
 Driveway 1900 SF
 Total proposed impervious 3536 SF

IMPERVIOUS C FACTOR LESS EXISTING C FACTOR

$$CN_A = CN_{98} - CN_{74} = 5.7 - 3.3 = 2.4$$

INCREASED RUNOFF FROM PROPOSED IMPERVIOUS

$$R_1 = CN_A (A_1) = 2.4(3536 \text{ SF}) / 12 = 707 \text{ CF}$$

THIS IS THE REQUIRED TREATMENT VOLUME

STORMTECH 740 INFILTRATION SYSTEM DESIGN

PERC VOLUME FOR 24 HR PER STORMTECH CHAMBER
 $VS = SCR \times AS = 1.72 \text{ CF/SF/DAY} \times 30.26 \text{ SF} = 52 \text{ CF/SF/DAY}$

STORMTECH CHAMBER DESIGN VOLUME
 $VD = VS + VC = 52 \text{ CF/DAY} + 75 \text{ CF} = 127 \text{ CF/DAY}$

It is proposed to utilize Storm Tech 740 units with a capacity of 127 CF each.

IT IS PROPOSED COLLECT WATER FROM THE PROPOSED ROOF AND DRIVEWAY AND DIRECT TO 6 STORMTECH 740 CHAMBERS, TOTAL CAPACITY OF 762 CF/DAY. REQUIRED CAPACITY IS 707 CF/DAY



PERCOLATION ANALYSIS

PERC AREA AT TEST HOLE BOTTOM (4" RADIUS)

$$A_B = 3.14 \times R^2 = 3.14 (4\text{IN}/12)^2 = 0.349 \text{ SF}$$

PERC AREA AT TEST HOLE SIDE (AVE. HT. 8.5)

$$A_C = 3.14 \times D \times H = 3.14 \times 8 / 12 \times 8.5 \text{ IN}/12 = 1.48 \text{ SF}$$

TOTAL PERC AREA

$$A_P = A_B + A_C = 0.349 \text{ SF} + 1.48 \text{ SF} = 1.83 \text{ SF}$$

PERC VOLUME

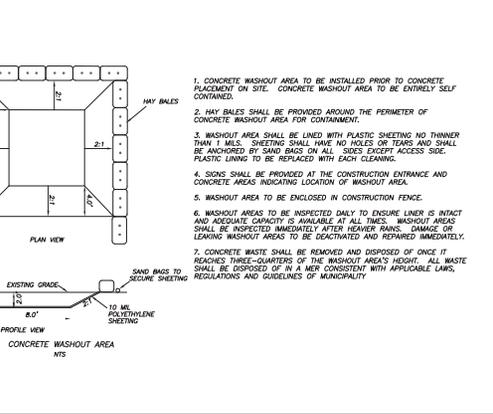
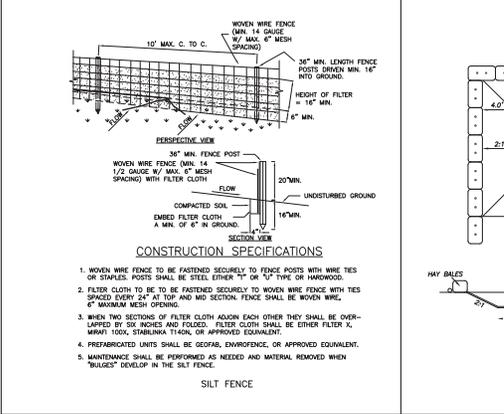
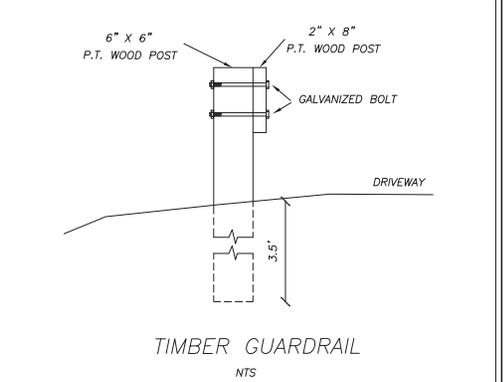
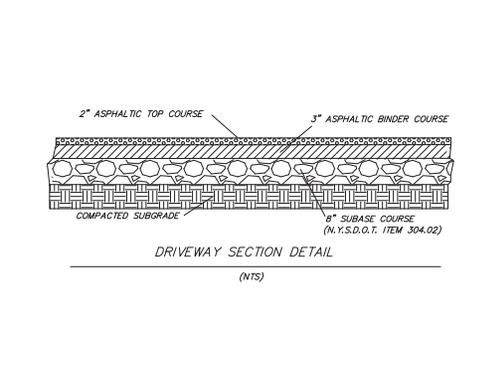
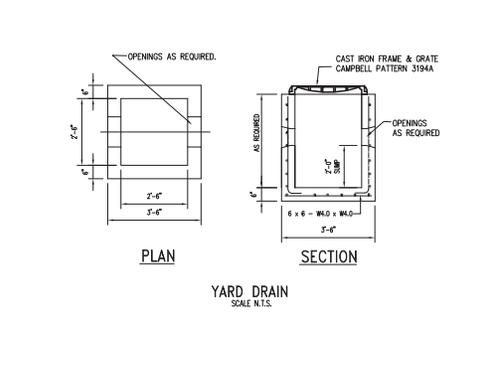
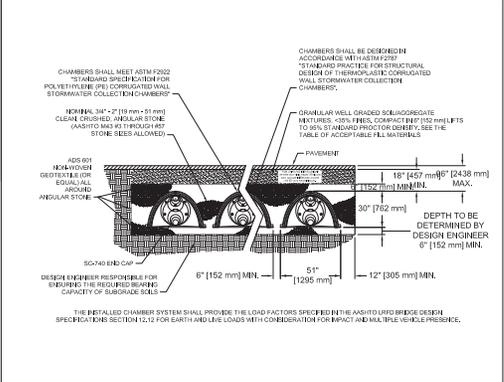
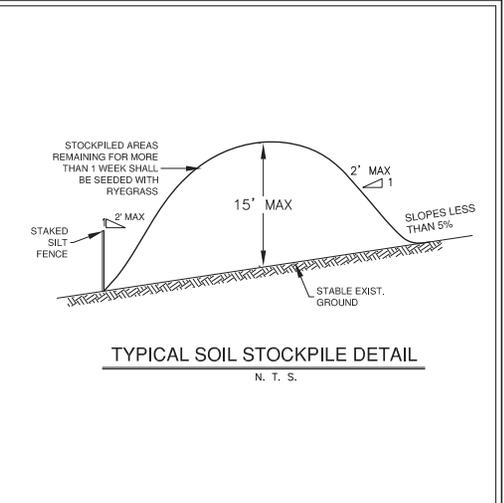
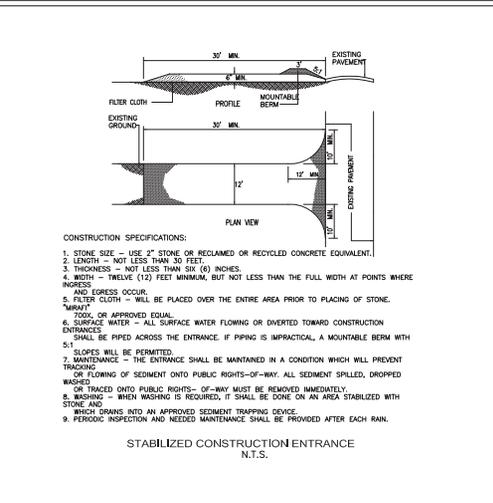
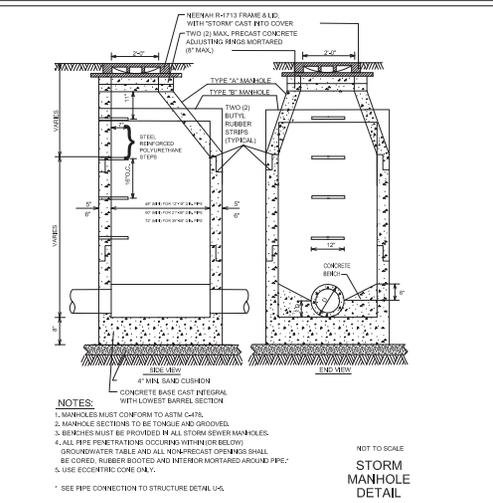
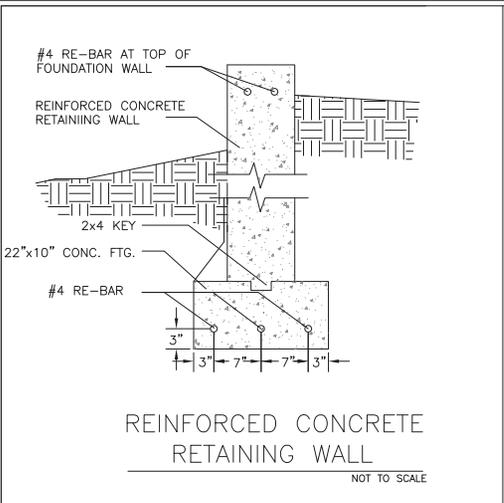
$$V_P = A_B + \text{PERC HT.} = 0.349 \text{ SF} + 3 \text{ IN}/12 = .087 \text{ CF}$$

SOIL PERC RATE (T = 10 MIN/IN x 3 IN = 30 MIN)

$$S_R = V_P/A_P/T \times 1440 \text{ MIN}/24 \text{ HOUR} = .087\text{CF}/1.83\text{SF}/30 \times 1440 = 2.30 \text{ CF/SF/DAY}$$

SOIL PERC RATE REDUCTION FOR CLOGGING

$$S_{CR} = S_R \times 75\% = 2.3 \text{ CF/SF/DAY} \times 0.75 = 1.72 \text{ CF/SF/DAY}$$



TOPOGRAPHIC SURVEY INFORMATION PREPARED BY DAVID ODELL ON MARCH 30, 2022. DATUM B NAVD 1988

THIS ENGINEER HAS VERIFIED THAT NO WELLS EXIST WITHIN 200 FEET OF THE PROPOSED SEPTIC SYSTEM AND NO SEPTIC SYSTEMS EXIST WITHIN 200 FEET OF THE PROPOSED WELL, EXCEPT AS SHOWN ON THESE PLANS.

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

NO.	DATE	REVISION

JOHN KARELL, JR. P.E.

121 CUSHMAN ROAD

PATTERSON, NEW YORK 12563

OWNER: **STEVE CARINCI**
69 LAKESIDE ROAD
CARMEL (T)

SCALE: **AS SHOWN**

DATED: **APRIL 18, 2022**

TAX MAP: **64-18-2-73**

LATEST REVISION: **D-1**

SHEET NO. **D-1**

SEAL OF JOHN KARELL, JR. P.E. LICENSE NO. 13441