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NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI, P.E.
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



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

BOARD MEMBERS

Edward Barnett
Vincent Turano
Anthony Federice

ENVIRONMENTAL CONSERVATION BOARD AGENDA

AUGUST 20, 2020 – 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. Panny, Michael (SMP Homes)	10 Lower Lake Road	43.17-1-47	Construction of a Single Family House
2. Osmanaj, Fatmir	15 Adam Wagner Ln	42.-1-6	Construction of a Single Family House
3. Consiglio, William	186 Route 6N	86.5-1-52	Install Batting Cage, Seating area And Fence

MISCELLANEOUS

4. Minutes – 01/02/20 & 07/02/20

JOHN KARELL, JR., P.E.
121 CUSHMAN ROAD
PATTERSON, NEW YORK, 12563
845-878-7894 FAX 845 878 4939
jack4911@yahoo.com

July 30, 2020

RESPONSE TO COMMENTS Town of Carmel ECB
SMP SSTS, Mike Panny
10 Lower Lake Road, Carmel (T), TM # 43.17-1-47

Attached herewith please find plans revised to reflect the comments at the ECB meeting as follows:

1. Mitigation plans are presented as notes on the plans. Mitigation includes plantings and relocation of the proposed well farther from the wetlands.
2. Notes have been provided on the plans regarding the spill kit, equipment fueling and concrete washout area.

John Karell, Jr., P.E.

SOIL TESTING

- HOLES**
 D1 6" topsoil, 6"-7 ft fine sandy loam, no groundwater or rock
 D2 same as D # 1
 D3 same as D # 1
 D4 same as D # 1
 DEEPS INSPECTED 8/30/2019

- HOLES**
 P1 10 minutes per inch
 P2 6.3
 P3 4.6
 P4 10
 PRESOAK 8/29/2019
 PERC 8/30/2019

DESIGN DATA NOTES:

- OWNER: SMP Homes, Inc, 167 Cherry Hill Road, Carmel, NY, 10512
 - SITE ADDRESS: 10 Lower Lake Road, Carmel (T)
 - WATERSHED: West Branch Reservoir, NYCDEP
 - Slope primary - 12%
 - Expansion area - 12%
 - Soil characteristics: 6" topsoil, 6"-7 ft sandy loam
 - Soil percolation rate: 8-10 minutes per inch, primary and expansion area
 - Design based upon 4 bedrooms, 600 gpd
 - Absorption Area: 340 L.F. trench, primary, 340 L.F. expansion area
 - Septic tank 1500 gallons; Pump pit 1000 gallons
 - Fill: none Curtain Drain: none
 - Survey by Link, L.S., May 8, 2019
 - Property size: 0.65 ACRES
 - SOILS: Paxton Fine Sandy Loam, 8-15% (PaC) Hydrologic Group C entire lot
 - TM # 43.17-1-47
- PUMP PIT CALCULATIONS**
 INSIDE WIDTH 4'4"; LENGTH 8'0" FT
 RAINFALL 1" = 36.64 CF; 36.64 X 7.48 = 259 GAL/FT; 21.59 GAL/IN
 DEPTH TO INVERT IN: 739"2"
 BOTTOM LEVEL 734"11"
 DEPTH TO INVERT IN = 4"3"
 PUMP 6" ABOVE BOTTOM 735"5"
 PUMP OFF 735"8"
 PUMP ON 736"4" (8" DOSE) 172 gallons
 ALARM 736"0"
 VOLUME ABOVE ALARM 739"2"-736"6" = 2"8"
 259 X 2"8" = 694 GAL ABOVE ALARM

PUMP SIZING...MIKE PANNY, 10 LOWER LAKE ROAD, CARMEL (T)

- ELEVATION HEAD LOSSES (ft)**
 GRADE AT PUMP PIT 741 FEET
 D BOX 749 FEET
 BOTTOM OF PUMP PIT 734"11" FEET
 TOTAL HEAD LOSS 14 FEET

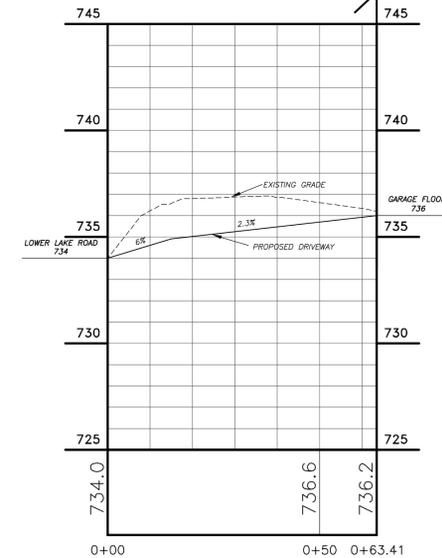
- FRICTION LOSSES (ft)**
 AT 2 GPM 2 INCH PIPE 85
 LENGTH OF FORCE MAIN 135
 PUMP PIT PIPING 30
 FIXTURES IN PIT 20
 TOTAL 135
 AT 20 GPM WITH 2 INCH PIPE 1.35 X 0.86 FT/100 FEET = 1.2 USE 2 FEET
 TOTAL FRICTION LOSS 2.0 FEET
 TOTAL HEAD REQUIRED FEET

USE GOULD PE-41 0.4 HP PUMP RATED AT 29 GPM AT 16 FEET HEAD. EXACT PUMP MODEL BASED UPON ELECTRICAL SERVICE AVAILABLE TO THE PUMP STATION.

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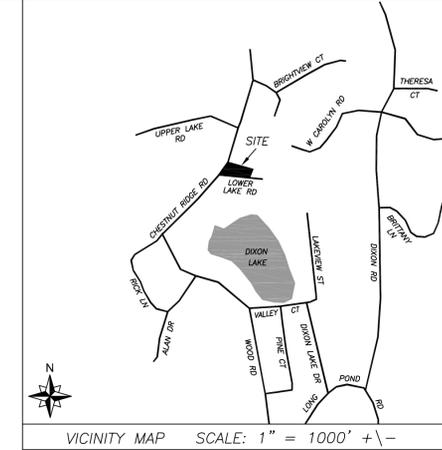


PROFILE SCALE:
 HORIZ: 1"=20'
 VERT: 1"=4'

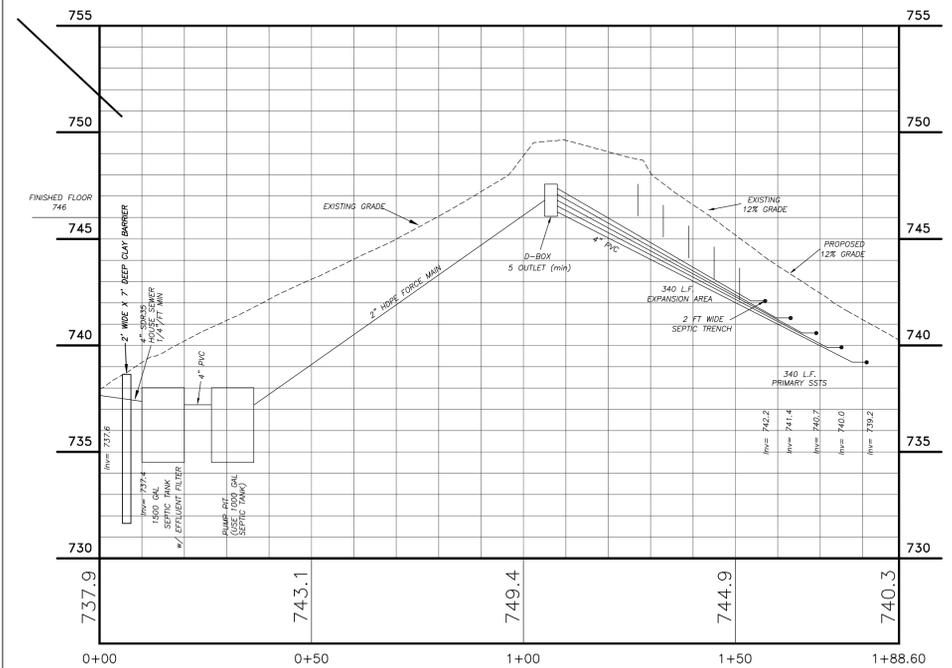
ZONING SCHEDULE

R - RESIDENTIAL	REQUIRED*	PROPOSED
MIN LOT AREA (SF)	120,000	28,331
(AC)		0.65
MIN LOT WIDTH (FT)	200	260
MIN LOT DEPTH (FT)	200	120
MIN YARD DIMENSIONS (FT)		
FRONT	30	34
SIDE	20	---
REAR	10	27
MAX BUILDING HEIGHT (FT)	35	<35
MIN FRONTAGE (FT)	100	383
MAX LOT COVERAGE (%)	15	<1

* PER MIKE CARNAZZA, BUILDING INSPECTOR



VICINITY MAP SCALE: 1" = 1000' +/-



PROFILE SCALE:
 HORIZ: 1"=20'
 VERT: 1"=4'

TOPOGRAPHIC SURVEY PREPARED BY LINK LAND SURVEYORS, P.C. DATED MAY 8, 2019. DATUM IS IN NAVD 1988
 PREMISES BEING LOT 8 ON FILED MAP No. 833, "SECTION 'A' LAKE HAVEN"

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	COMMENTS
4	7-29-20	CONCRETE WASHOUT AREA ADDED
3	7-18-20	REVISED FOR COMMENTS FROM PUTNAM COUNTY HEALTH DEPARTMENT
2	6-18-20	AREA OF DISTURBANCE IN WETLAND BUFFER CALCULATED
1	5-29-20	COMMENTS

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 121 CUSHMAN ROAD
 PATTERSON, NEW YORK 12563

945-878-7894 phone
 945-878-4830 fax
 jk44911@yahoo.com



OWNER:	SMP HOMES 10 LOWER LAKE ROAD CARMEL (T)	SCALE:	1" = 20'	LATEST REVISION:	
		DATED:	MAY 16, 2019	SHEET No.	S-1
		TAX MAP No.	43.17-1-47		

AREA DISTURBANCE TABLE

AREA OF DISTURBANCE WITHIN THE WETLAND	0 SQUARE FEET
AREA OF DISTURBANCE WITHIN THE SETBACK	7,343 SQUARE FEET
TOTAL AREA OF DISTURBANCE	16,628 SQUARE FEET

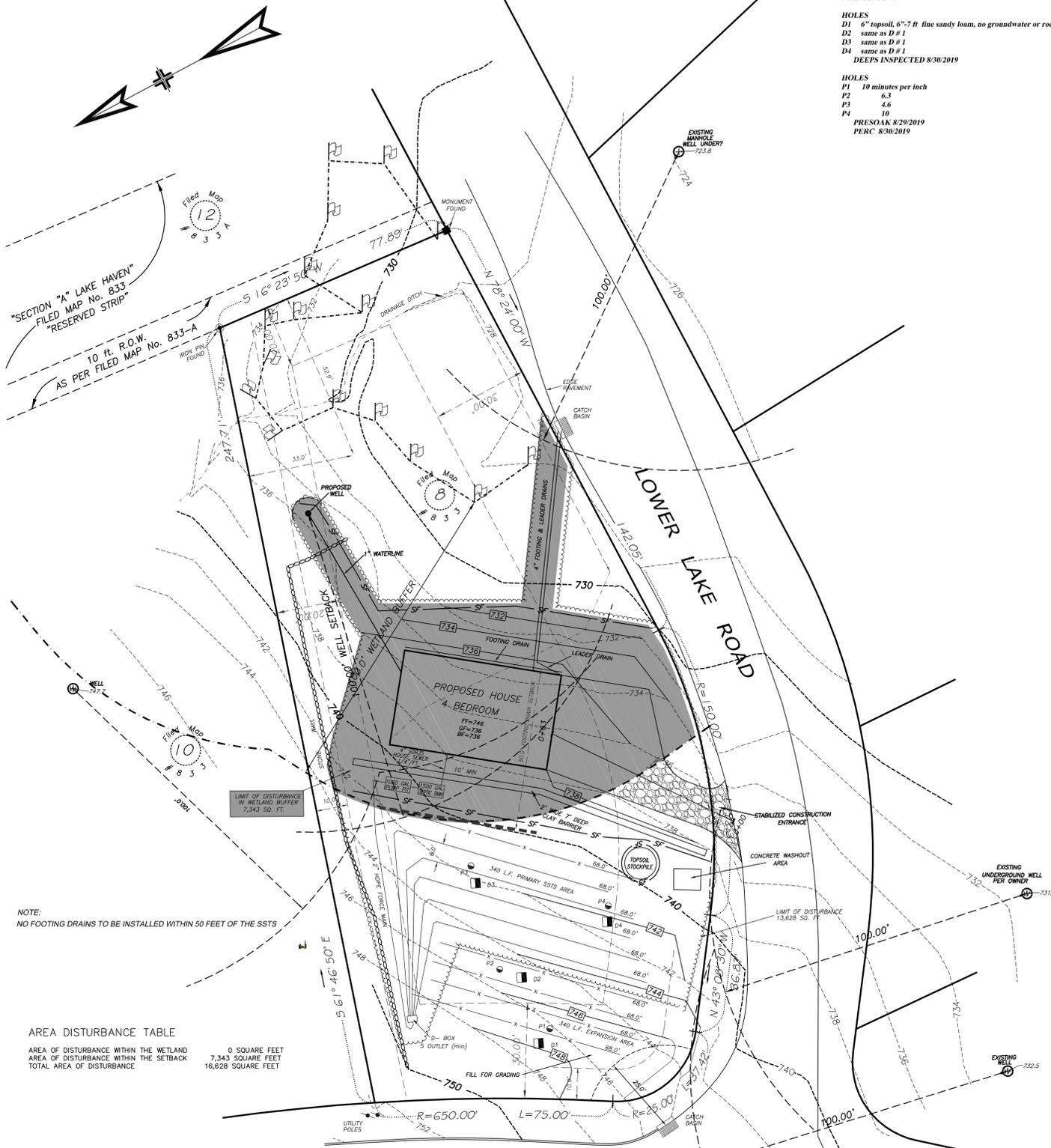
PLAN SCALE:
 1" = 20'

Town of Carmel ECB Notes and requirements

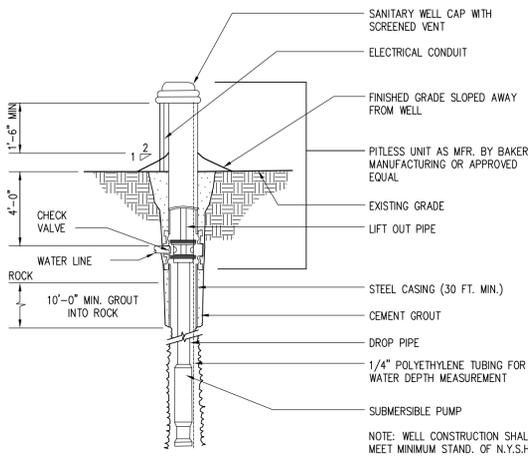
- Silt fence shall be provided with wire backing.
- Construction equipment shall not be fueled on-site.
- A Brute 32 gallon spill kit K-32-0 shall be provided on site to consist of the following:
 - 50 pads, heavy weight
 - 8 socks, 17" x 48"
 - 2 bags siltarator, granular 5# ea
 - 4 temporary disposal bags, 4 mil
 - 4 plastic slip tie, 12"
 - 2 pair nitrile gloves
 - 2 pair safety goggles
 - 1 instruction sheet

Wetland Mitigation Plan

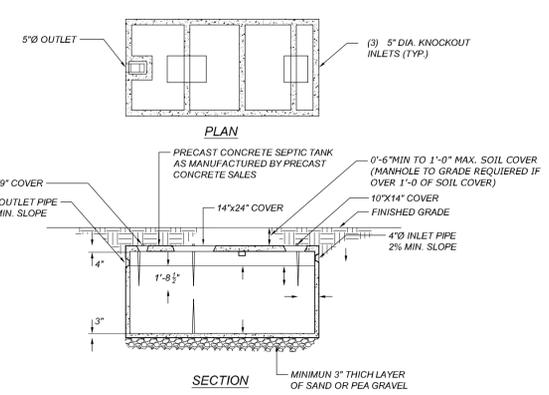
- Remove all invasive plants within the site, including Japanese barberry, multiflora rose, wild grape vine, bittersweet vine and phragmites.
- Upon removal of the phragmites is culled out, replant the area with 2 1/2 inch caliper, 8 & 8 and 2 serviceberry (25 gallon container)



NOTE:
 NO FOOTING DRAINS TO BE INSTALLED WITHIN 50 FEET OF THE SSTS

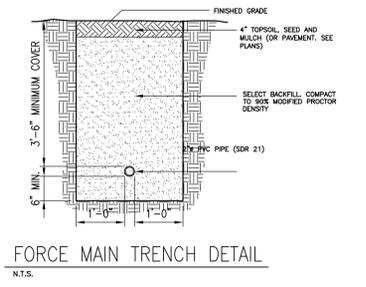


TYPICAL WELL DETAIL
N.T.S.

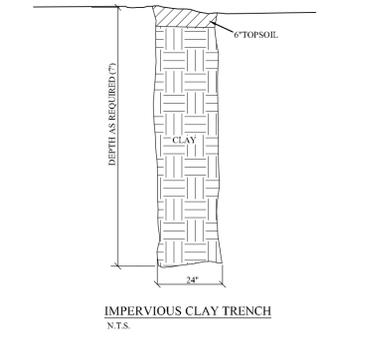


1,500 GALLON SEPTIC TANK DETAIL
(TO BE DESIGNED FOR H-20 LOADING WHEN IN PAVEMENT)
N.T.S.

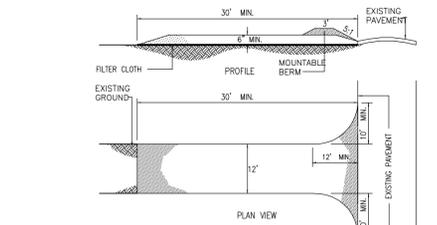
NOTES:
IF THE DIMENSIONS OF THE SEPTIC TANK CHANGE, THE SEPTIC TANK INSTALLED MUST BE A DUAL COMPARTMENT SEPTIC TANK.
MIN. FILL COVER IS 6" - 12" MAX. FILL COVER IS 24" AND IF FILL COVER IS GREATER THAN 24" MANHOLE RISERS TO GRADE MUST BE INSTALLED.
AN EFFLUENT FILTER WILL BE PROVIDED ON THE DISCHARGE OF THE SEPTIC TANK.



FORCE MAIN TRENCH DETAIL
N.T.S.

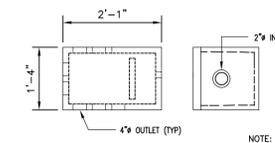


IMPERVIOUS CLAY TRENCH
N.T.S.



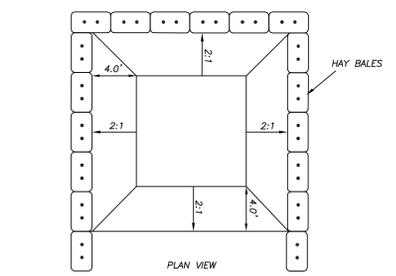
CONSTRUCTION SPECIFICATIONS:
1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 30 FEET.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. "MIRAFIT" 700X, OR APPROVED EQUAL.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED OR WASHED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



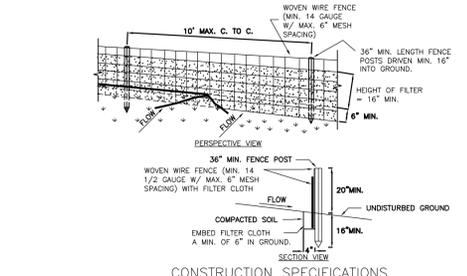
NOTE:
1. 12" MAXIMUM BACKFILL TO REMAIN PLUGGED.
2. ANY UNUSED OUTLETS TO REMAIN PLUGGED.
3. INSTALL SPEED LEVELERS TO INSURE EQUAL DISTRIBUTION TO ALL OUTLET PIPES.
4. TOP, BOTTOM AND SIDES ALL 1 1/2" THICK.
5. #2 DISTRIBUTION BOX AS MFR BY FORT MILLER CO., INC.
12" PEA GRAVEL TO BE SUPPORTED BELOW FROST LINE. COMPACTED SUB GRADE.

DISTRIBUTION BOX
WITH BAFFLE & SPEED LEVELERS (FIVE OUTLETS MINIMUM)
N.T.S.



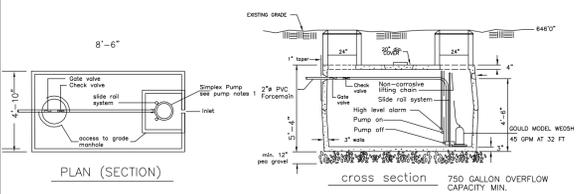
CONCRETE WASHOUT AREA
N.T.S.

1. CONCRETE WASHOUT AREA TO BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. CONCRETE WASHOUT AREA TO BE ENTIRELY SELF CONTAINED.
2. HAY BALES SHALL BE PROVIDED AROUND THE PERIMETER OF CONCRETE WASHOUT AREA FOR CONTAINMENT.
3. WASHOUT AREA SHALL BE LINED WITH PLASTIC SHEETING NO THINNER THAN 1 MILS. SHEETING SHALL HAVE NO HOLES OR TEARS AND SHALL BE ANCHORED BY SAND BAGS ON ALL SIDES EXCEPT ACCESS SIDE. PLASTIC LINING TO BE REPLACED WITH EACH CLEANING.
4. SIGNS SHALL BE PROVIDED AT THE CONSTRUCTION ENTRANCE AND CONCRETE AREAS INDICATING LOCATION OF WASHOUT AREA.
5. WASHOUT AREA TO BE ENCLOSED IN CONSTRUCTION FENCE.
6. WASHOUT AREAS TO BE INSPECTED DAILY TO ENSURE LINER IS INTACT AND ADEQUATE CAPACITY IS AVAILABLE AT ALL TIMES. WASHOUT AREAS SHALL BE INSPECTED IMMEDIATELY AFTER HEAVY RAINS. DAMAGE OR LEAKING WASHOUT AREAS TO BE DEACTIVATED AND REPAIRED IMMEDIATELY.
7. CONCRETE WASTE SHALL BE REMOVED AND DISPOSED OF ONCE IT REACHES THREE-QUARTERS OF THE WASHOUT AREA'S HEIGHT. ALL WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE LAWS, REGULATIONS AND GUIDELINES OF MUNICIPALITY.

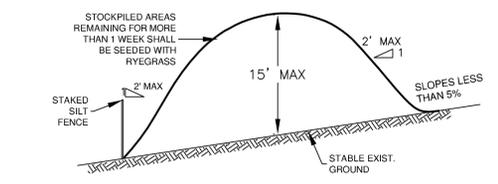


CONSTRUCTION SPECIFICATIONS:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER C, MIRAFIT 100X, STABILINKA 1142N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIRFOENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE



PUMP PIT/OVERFLOW TANK DETAIL
(USE 1000 GALLON SEPTIC TANK) N.T.S.



TYPICAL SOIL STOCKPILE DETAIL
N. T. S.

Construction Notes for Subsurface Sewage Treatment Systems & Well Water Supplies Serving Single-Family Residences
The following notes shall be provided on all plans for individual SSTS and well water supplies:
1. All trees within 10 feet of the proposed subsurface sewage treatment system (SSTS) shall be removed.
2. SSTS to be inspected by the Licensed Design Professional and the Putnam County Health Department after construction and prior to backfill.
3. The SSTS area shall be staked and roped off so that no trucks, machinery, building materials, nor excavated earth shall be allowed in the SSTS area.
4. All erosion control measures shall be installed prior to the start of any construction and must be maintained until construction is complete and stabilization has occurred.
5. Construction of SSTS to be in accordance with these plans, any revision thereto, and the rules and regulations of the permit issuing governmental agency.
6. The well is to be a drilled well, constructed in accordance with New York State Health Department 10 NYCRR appendix 5B, standards for water wells, pump tested for a minimum of 6 hours and have a minimum safe yield of 5 gpm. Yields less than 5 gpm will be immediately reported to the Putnam County Department of Health.
7. The SSTS design shown hereon does not provide for installation of a garbage grinder. Such installation requires additional design and the approval of the Putnam County Department of Health.
8. Putnam County Health Department approval is based on the location of the SSTS, well, building, setbacks, and driveways as shown on the approved drawing. Modifications are to have prior Putnam County Health Department approval. Unauthorized modifications made to this drawing after the date of Putnam County Health Department approval voids said approval.
9. All stone walls in and within 10 feet of the SSTS area shall be removed to their entire depth and the resulting void replaced with similar on site soil.
10. Cut or fill is not permitted in the SSTS area, except if so specified on this plan.
11. After backfilling the system, the SSTS area shall be covered with a minimum of 6 inches of top soil, seeded and mulched.
12. Occupancy of this structure will not be permitted until the Construction Compliance Application is received and approved by the Putnam County Health Department and forwarded to the Building Inspector of the respective municipality as part of the Certificate of Occupancy application.
13. This plan is approved for sewage treatment and/or water supply only, and all other required permits and/or approvals are the responsibility of the permittee.
14. The Putnam County Health Department approval expires two (2) years from the date on the approval stamp and is required to be renewed on or before the expiration date. The approval is revocable for cause or may be amended or modified when considered necessary by the Department.
15. A copy of the house plans submitted to the building inspector of the local municipality, when filing for a building permit, must be submitted to the Putnam County Health Department to verify bedroom count.
16. The house, well and SSTS shall be surveyed located and staked by a NYS Licensed Land Surveyor prior to construction.
17. For all SSTS which are subject to Joint Review and approval with NYDEP the Design Professional is to notify PCHD and NYDEP at least 24 hours prior to the commencement of the SSTS construction.
18. Datum based on NAVD 88.
19. Property outside FEMA 100 year wetland.

SOIL EROSION AND SEDIMENT CONTROL NOTES
1. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE STALLED IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL (ENR) AS PUBLISHED BY THE NEW YORK STATE SOIL AND WATER CONSERVATION SOCIETY AND RECOMMENDED BY THE U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE. (REFERRED TO IN REMAINING TEXT AS THE NEW YORK GUIDELINES).
2. ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEED AND MULCHED WITHIN 14 DAYS OF THE LAST DISTURBANCE WITH TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK GUIDELINES, AS FOLLOWS:
A) SEED: ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS/ACRE OTHER SELECT MIXTURE AS DESCRIBED IN THE NEW YORK GUIDELINES.
IF: SPRING, SUMMER OR EARLY FALL SEED WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS PER ACRE
IF: LATE FALL OR EARLY WINTER SEED WITH CERTIFIED "ARUOSTOOK" WINTER RYE, AT 100 LBS (CEREAL RYE) PER ACRE.
B) 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. MULCH SHALL BE SEED AND MULCHED WITHIN 14 DAYS OF THE LAST DISTURBANCE. (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
C) IN AREAS OF SLOPES STEEPER THAN ONE ON TWO, JUTE MATTING SHALL BE USED TO STABILIZED SEEDED AND / OR PLANTED AREAS. JUTE MATTING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK GUIDELINES.
3. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN FIVE (5) 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) REFER TO PERMANENT CRITICAL AREA PLANTING NOTES.
B) RECREATIONAL AREAS AND LAWN REFER TO RECREATIONAL AREA IMPROVEMENT NOTES.
4. SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
5. PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.
6. THE SITE SHALL AT ALL TIMES BE GRADE AND MAINTAIN SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADE 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.
7. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
8. STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROADWAYS OR DRAINAGE FACILITIES. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A SILT FENCE, HAY BALES BARRIERS OR A COMBINATION OF BOTH.
9. 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 BARRIERS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
10. 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 CERTIFIED PROFESSIONAL.
11. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
12. ALL DRAINAGE OUTLETS AND INLETS SHALL BE LINED WITH RIP-RAP AS SPECIFIED ON THE PLANS AND/OR PER ENGINEER.
13. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

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3	7-18-20	REVISED FOR COMMENTS FROM PUTNAM COUNTY HEALTH DEPARTMENT
2	6-18-20	AREA OF DISTURBANCE IN WETLAND BUFFER CALCULATED
1	5-29-20	COMMENTS

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121 CUSHMAN ROAD
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OWNER: SMP HOMES
10 LOWER LAKE ROAD
CARMEL (T)

SCALE: 1" = 20'

DATED: MAY 16, 2019

TAX MAP No. 43.17-1-47

LATEST REVISION: SHEET No. D-1

DETAILS



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August 17, 2020

To: Town of Carmel ECB

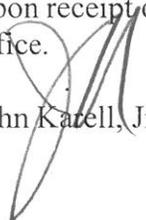
Re: **Response to comments Town of Carmel ECB July 2020 Meeting**
Fatmir Osmanaj
15 Adam Wagner Lane, Carmel (T), Mahopac

Please be advised that action has been taken and plans and documents have been revised as follows:

1. An application for a DEC wetlands permit was submitted to the DEC. Attached comments were received. A revised submission was submitted to the DEC along with a response memo, copy attached.
2. Pursuant to the DEC comments, mitigation is provided consisting of permeable pavement on the driveway within the 100 foot wetland buffer.
3. Pursuant to DEC comments the driveway width has been reduced to 10 feet.

Upon receipt of a permit or additional comments from the DEC they will be provided to your office.

John Karell, Jr., P.E.



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August 16, 2020

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Fatmir Osmanaj
15 Adam Wagner Lane, Carmel (T), Mahopac

Please be advised that plans and documents have been revised as follows:

1. Pervious pavement is shown for that portion of the driveway that is within the 100 foot setback of the State Wetland.
2. The width of the driveway was shown as 12 feet. This is the normal driveway width at this time. The Towns minimum driveway width is 10 feet. The driveway width has been reduced to 10 feet.
3. The construction sequence has been placed on the plan. The sequence is also in the SWPPP document, copy attached.
4. A note has been placed on the plans that all tree removal for this project will occur between November 1 to March 31, to avoid potential impacts to the bat species. This would be stipulated as a condition of any permit issued for this property.

John Karell, Jr., P.E.

Lang, Christopher X (DEC) <christopher.lang@dec.ny.gov>To:frencosmanaj@yahoo.comCc:john karell Pawliczak, Sarah A (DEC)aspofford@ci.carmel.ny.usThu, Aug 13 at 2:51 PMDear Applicant,

DEC received an application for a Freshwater Wetlands permit submitted on your behalf by Jack Karell on June 18. I apologize for the delay in response. Upon a request to Mr. Karell on July 6 to provide PDF copies to facilitate our review (most DEC staff still working remotely), PDFs were provided on July 7, although provided PDFs for this application (15 Adam Wagner Dr) appear to be only parts of the overall hard copy submitted. The proposal is to construct a single-family house and associated well and septic system located at 15 Adam Wagner Drive in the Town of Carmel. This email pertains only to the 15 Adam Wagner Drive project. Simultaneously with this project, DEC received an application from you for the nearby property at 441 Barrett Hill Road - as you know, DEC comments on the 441 Barrett Hill proposal have been sent in a separate email.

The application is incomplete. Please submit the following information and/or address the following comments for a complete application:

The Joint Application Form states that there are no alternatives to the proposed project. Please provide an alternatives analysis considering the use of gravel or pervious pavement for the driveway within the adjacent area and these options cannot be achieved.

The plans do not show the width of the driveway through the regulated area. The driveway should be the minimum width necessary. Please provide the town or emergency access road width requirements.

The Joint Application Form references a Construction Sequence, yet this cannot be located in the PDFs which were sent. Please submit. Moving forward, please note it is helpful for our review to contain an application to one combined PDF document.

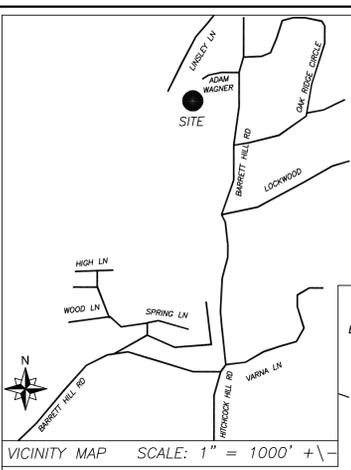
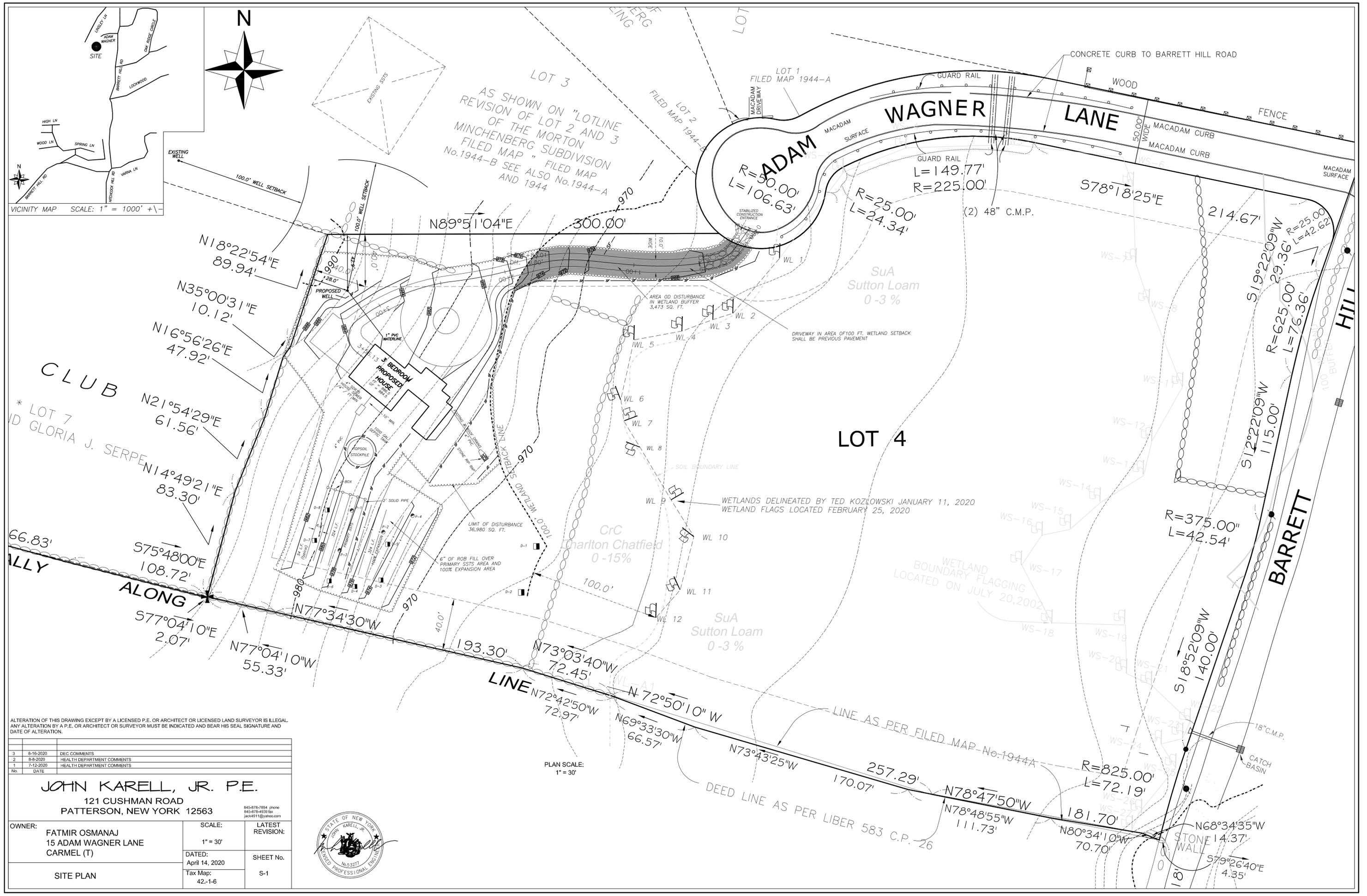
The project area is located within screening distance of a known occurrence of the State-listed threatened northern long-eared bat. The Joint Application Form for this project acknowledges tree cutting is required, however the specified timeframe of "Fall 2019" is not specific. Please note that all tree removal for this project should occur within the acceptable window, November 1 to March 31, to avoid potential impacts to this species. This would be stipulated as a condition of any permit issued for this property. If any tree removal is proposed outside this window, further review from DEC Wildlife staff would be required. Please confirm whether tree clearing would take place during this window. The construction sequence referenced above should be revised, if necessary, to reflect tree cutting and the time of year which it would take place.

The application will remain incomplete until all information requested above is received. As stated above, the materials submitted via email in PDF do not match the complete suite of materials submitted in hard copy for this application. Please ensure the complete suite of application/resubmission documents are submitted via email (again, preferably all sheets/drawings combined into one PDF file) to facilitate review since most staff continue to work remotely due to COVID-19. A hard copy should also be mailed to the office, however submission of complete documentation via PDF is critical to facilitate a timely review at this time. If there are any questions, please feel free to contact me.

Sincerely,

Chris Lang

Environmental Analyst, Division of Environmental Permits



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
3	8-16-2020	DEC COMMENTS
2	8-8-2020	HEALTH DEPARTMENT COMMENTS
1	7-12-2020	HEALTH DEPARTMENT COMMENTS

JOHN KARELL, JR. P.E.
 121 CUSHMAN ROAD
 PATTERSON, NEW YORK 12563
 845-878-7894 phone
 845-878-4939 fax
 jkarell11@proton.com

OWNER: **FATMIR OSMANAJ**
 15 ADAM WAGNER LANE
 CARMEL (T)

SCALE: 1" = 30'

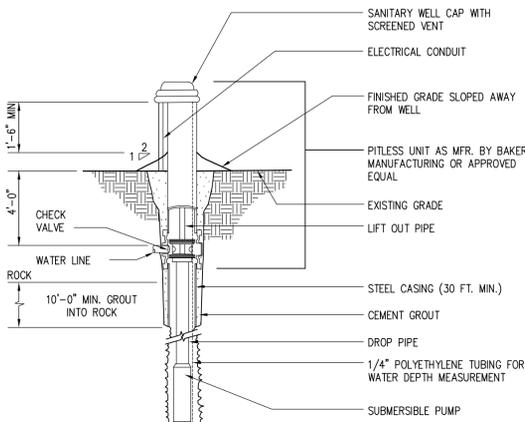
LATEST REVISION: SHEET No. S-1

DATED: April 14, 2020

Tax Map: 42-1-6

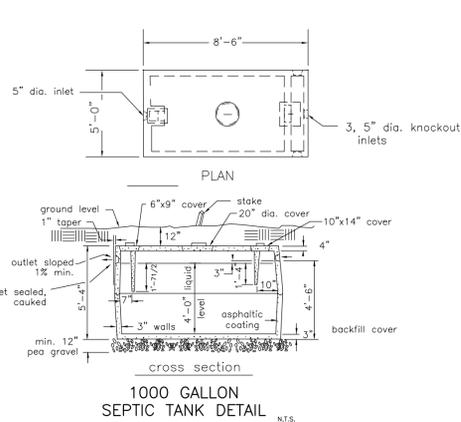
SITE PLAN





TYPICAL WELL DETAIL

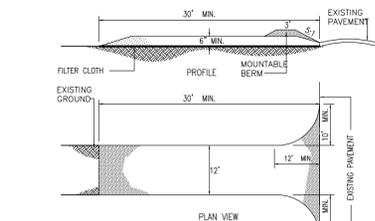
N.T.S.



1000 GALLON SEPTIC TANK DETAIL

N.T.S.

NOTES:
IF THE DIMENSIONS OF THE SEPTIC TANK CHANGE, THE SEPTIC TANK INSTALLED MUST BE A DUAL COMPARTMENT SEPTIC TANK.
MIN. FILL COVER IS 6" - 12" MAX. FILL COVER IS 24" AND IF FILL COVER IS GREATER THAN 24" MANHOLE RISERS TO GRADE MUST BE INSTALLED.

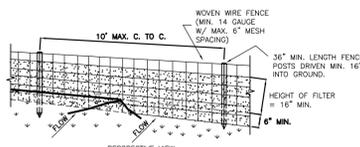


CONSTRUCTION SPECIFICATIONS:

- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 30 FEET
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. "MIRAF" 70GX, OR APPROVED EQUAL.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

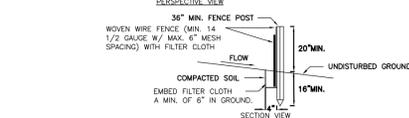


TYPICAL ABSORPTION TRENCH DETAIL

N.T.S. PIPE TO BE: HDPE SDR 38 ASTM 5810

NOTES:

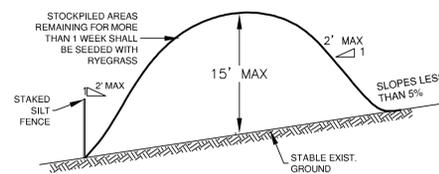
A BAT KNOWN AS HIBERNACULUM OF THE NORTHERN LONG-EARED BAY (MYOTIS SEPTENTRIONALIS) IS LOCATED WITHIN 3.4 MILES OF THE SUBJECT SITE AS WELL AS WITHIN A RECOVERY UNIT AREA OF THE INDIANA BAT. TREE CUTTING MUST OCCUR ONLY BETWEEN 11/1 AND 3/31.



CONSTRUCTION SPECIFICATIONS

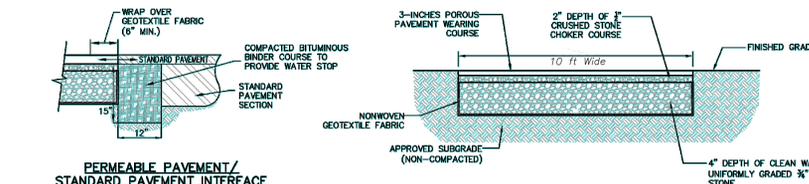
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" PIPE OR HAWKWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAF 100X, STABILINK 110X, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFAB, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE



TYPICAL SOIL STOCKPILE DETAIL

N. T. S.



PERMEABLE PAVEMENT/STANDARD PAVEMENT INTERFACE

NOTES:

- STONE FOR INFILTRATION BEDS SHALL BE 3/4 INCH UNIFORMLY GRADED COARSE AGGREGATE WITH A WASH LOSS OF NO MORE THAN 0.5% IN ACCORDANCE WITH PROJECT SPECIFICATIONS. VOID SPACE SHALL BE 40% AS MEASURED BY ASTM-C29.
- NONWOVEN GEOTEXTILE SHALL CONSIST OF NEEDLED NONWOVEN POLYPROPYLENE FIBERS AND MEET THE FOLLOWING PROPERTIES: 3. GRAD TENSILE STRENGTH (ASTM-D4632) >=120 LBS. MULLEN BURST STRENGTH (ASTM-D3786) >=225 LBS. FLOW RATE (ASTM-D4491) >=95 GALLONS/MINUTE/SQUARE FOOT UV RESISTANCE AFTER 500 HRS (ASTM-D4355) >=70% HEAT-SET OR HEAT-CALCINED FABRICS ARE NOT PERMITTED. GEOTEXTILE FABRIC SHALL BE MIRAF 140 N OR APPROVED EQUAL.
- POROUS PAVEMENT SHALL NOT BE INSTALLED ON WET SURFACES OR WHEN THE AMBIENT AIR TEMPERATURE IS 50 DEGREES FAHRENHEIT OR LOWER.
- FILTER FABRIC AND STONE SHOULD BE KEPT CLEAN OF SOIL/SEDIMENT DURING THE INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL/SEDIMENT HAS ENTERED ANY OF THE INFILTRATION SEEPAGE BEDS, APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM THE FABRIC, STONE, ETC. AND OR REPLACEMENT OF THE FABRIC AND STONE) SHOULD BE ADDRESSED.
- ALL STONE FOR THE CONSTRUCTION OF THE PERMEABLE PAVEMENT SHOULD BE UNIFORMLY GRADED AND CLEAN WASHED AGGREGATE.
- THE BOTTOM OF THE PERMEABLE PAVEMENT SUBBASE BE UNDISTURBED OR UNCOMPACTED SUBGRADE.
- PERVIOUS PAVEMENT SHOULD BE INSTALLED TOWARD THE END OF THE CONSTRUCTION PERIOD IF POSSIBLE. THIS WILL AVOID COMPACTION OF THE SUBGRADE AND SUBJECTION TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC.
- GEOTEXTILE AND BED AGGREGATE FOR PERVIOUS PAVEMENT SHOULD BE PLACED IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION AND INSTALLATION OF STRUCTURES. ADJACENT STRIPS OF GEOTEXTILE SHOULD OVERLAP A MINIMUM OF 18 INCHES AND SHOULD BE SECURED AT LEAST 4 FEET OUTSIDE OF BED TO PREVENT ANY RUNOFF OR SEDIMENT FROM ENTERING THE STORAGE BED. THIS EDGE STRIP SHOULD REMAIN IN PLACE UNTIL ALL BARE SOILS OR DISTURBED AREAS CONTIGUOUS TO THE BED ARE STABILIZED. AS THE SITE IS FULLY STABILIZED, EXCESS GEOTEXTILE ALONG BED EDGES CAN BE CUT BACK TO THE BED EDGE.
- THE PERVIOUS PAVEMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS DATED SEPTEMBER 1, 2016.
- THE FULL PERMEABILITY OF THE PAVEMENT SURFACE SHOULD BE TESTED BY APPLICATION OF CLEAN WATER AT THE RATE OF AT LEAST 5 GPM OVER THE SURFACE, USING A HOSE OR OTHER DISTRIBUTION DEVICE. ALL APPLIED WATER SHOULD INFILTRATE DIRECTLY WITHOUT FORMATION OR SURFACE RUNOFF.
- PLANTED AREAS ADJACENT TO THE PERVIOUS PAVEMENT SHOULD BE MAINTAINED AND INSPECTED ON A SEMIANNUAL BASIS.
- PERVIOUS PAVEMENT SHALL BE VACCUMED 2 TO 3 TIMES PER YEAR. PAVEMENT WASHING SYSTEMS OR COMPRESSED AIR UNITS ARE NOT RECOMMENDED. IMMEDIATELY CLEAN ANY SOIL DEPOSITED ON PAVEMENT.
- FOR WINTER MAINTENANCE OPERATIONS, ABRASIVES SUCH AS SAND OR ONDERS SHOULD NOT BE APPLIED ON OR ADJACENT TO THE PERVIOUS PAVEMENT.
- SNOW PLOWING IS ACCEPTABLE, PROVIDED IT IS DONE BY SETTING THE BLADE SLIGHTLY HIGHER THAN USUAL (APPROXIMATELY 1 INCH).
- SALT IS ACCEPTABLE FOR USE AS A DEICER ON THE PERVIOUS PAVEMENT, THOUGH NONTOXIC ORGANIC DEICERS APPLIED EITHER AS BLENDED MAGNESIUM CHLORIDE BASED LIQUID PRODUCTS, OR AS PRETREATED SALT ARE PREFERABLE.
- IF PORTIONS OF THE PERVIOUS PAVEMENT EXPERIENCE SETTLING, FOR AREAS LESS THAN 50 SQUARE FEET, REPAIR CAN BE MADE WITH STANDARD PAVEMENT OR WITH THE PERVIOUS PAVEMENT MIX. IF THE AREA IS GREATER THAN 50 SQUARE FEET, THE CONTRACTOR SHALL RECEIVE APPROVAL OF THE PATCH TYPE FROM HUDSON ENGINEERING & CONSULTING, P.C.

PERMEABLE PAVEMENT

STORMWATER POLLUTION PREVENTION PLAN
SEQUENCE OF CONSTRUCTION
FATMIR OSMANAJ
15 ADAM WAGNER DRIVE
CARMEL (T)

The following are sequence and methods of construction for the construction of a house on property owned by Fatmir Osmanaj, 15 Adam Wagner Drive, Carmel (T), Putnam County, New York. Erosion and sediment control measures are incorporated into the construction program. Construction of this project will be in one phase.

Proposed erosion and sediment control methods are found on the Site Plan. The erosion controls are designed in accordance with the State of New York, "Guidelines for Urban Erosion and Sediment Control". The project is expected to start in the Fall of 2020 and continue over a one year period.

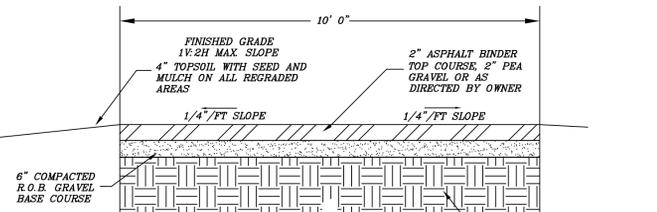
A. General Construction Notes

- The site shall be disturbed only when and where necessary. Only the smallest practical area of land shall be exposed at any one time during development. When land is exposed, the exposure shall be kept to the shortest practical period of time by immediate stabilization per the stabilization notes, unless specified otherwise. All disturbed areas that are seeded with appropriate seed mixture and procedure are considered stabilized when 80% of the vegetation is achieved.
- Where ever feasible, natural vegetation shall be retained and protected.
- The contractor shall inspect all erosion and sediment control devices during all storm events, prior to weekends and prior to all forecasted storm events.
- The Contractor shall grade and provide stabilization of newly graded and disturbed areas per item B of this sequence.

B. Construction Sequence

- Install all erosion control measures.
- Perform site grading for the house and driveway.
- Begin house construction
- Install utilities, septic system and well
- Topsoil, seed and mulch all disturbed areas in accordance with the stabilization notes.
- Remove all temporary erosion control measures. Restore/backfill to final grade and provide stabilization is necessary.
- Contractor to perform final site clean up and dispose of all debris properly.
- STABILIZATION NOTES
- Grade to finished slopes
- Soils shall be scarified.
- Topsoil with not less than four inches of suitable topsoil material
- Seed as follows:

Spring/Fall Planting:	Tall fescue	100
	Kobe Gaspardo	10
	Bahi Grass	25
	Rye Grass	40
Temporary Summer Planting	German Millet	40
	All above units in lbs/sq	



ASPHALT DRIVEWAY DETAIL

NOTES:

- OWNER: Fatmir Osmanaj
- SITE ADDRESS: 15 Adam Wagner Drive, Carmel (T)
- WATERSHED: not New York City, Lower Hudson River
- All pipes connecting to all tankage and boxes shall be cut flush with the inside wall of the tank or box.
- Prior to any excavation all underground utilities must be located. Call 1-800-962-7962.
- Slope primary and expansion area: 12%
- Construction Start Date: September 1, 2020
Finish Date: 12/31/2021
- Soil characteristics: 6 inches topsoil; 6" - 8 feet brown sandy loam
- Soil percolation rate: 16-20 minutes per inch
- Design based upon 3 bedrooms, 450 gpd
- Proposed Septic Tank Size: 1000 gallons
- Proposed absorption trenches 324 linear feet.
- Fill - 6 inch primary and expansion area. Curtain drain - none
- Soils - Charlton Chatfield Complex CrC 0-15
- Area of disturbance - acres
- Map datum - NAVD 88 (North American Vertical Datum 1988)
- Property 7.2 acres
- Topographic survey Link, February 25, 2020, wetlands flags, placed by Ted Kozlowski on January 11, 2020
- No existing or proposed wells within 100 feet of the proposed SSTS area, 200 feet if in Direct line of drainage.

Construction Notes for Subsurface Sewage Treatment Systems & Well Water Supplies Serving Single-Family Residences

The following notes shall be provided on all plans for individual SSTS and well water supplies. Basic Required Notes

- All trees within 10 feet of the proposed subsurface sewage treatment system (SSTS) shall be removed.
- SSTS to be inspected by the Licensed Design Professional and the Putnam County Health Department after construction and prior to backfill.
- The SSTS area shall be staked and roped off so that no trucks, machinery, building materials, nor excavated earth shall be allowed in the SSTS area.
- All erosion control measures shall be installed prior to the start of any construction and must be maintained until construction is complete and stabilization has occurred.
- Construction of SSTS to be in accordance with these plans, any revision thereto, and the rules and regulations of the permit issuing governmental agency.
- The well is to be a drilled well, constructed in accordance with New York State Health Department 10 NYCRR appendix 25, standards for water wells, pump tested for a minimum of 6 hours and have a minimum safe yield of 5 gpm. Yields less than 5 gpm will be immediately reported to the Putnam County Department of Health.
- The SSTS design shown hereon does not provide for installation of a garbage grinder. Such installation requires additional design and the approval of the Putnam County Department of Health.
- Putnam County Health Department approval is based on the location of the SSTS, well, building, setbacks, and driveways as shown on the approved drawing. Modifications are to have prior Putnam County Health Department approval. Unauthorized modifications made to this drawing after the date of Putnam County Health Department approval voids said approval.
- All stone walls in and within 10 feet of the SSTS area shall be removed to their entire depth and the resulting void replaced with similar on site soil.
- Cut or fill is not permitted in the SSTS area, except if so specified on this plan.
- After backfilling the system, the SSTS area shall be covered with a minimum of 6 inches of top soil, seeded and mulched.
- Occupancy of this structure will not be permitted until the Construction Compliance Application has been received and approved by the Putnam County Health Department and forwarded to the Building Inspector of the respective municipality as part of the Certificate of Occupancy application.
- This plan is approved for sewage treatment and/or water supply only, and all other required permits and/or approvals are the responsibility of the permittee.
- The Putnam County Health Department approval expires two (2) years from the date on the approval stamp and is required to be renewed on or before the expiration date. The approval is revocable for cause or may be amended or modified when considered necessary by the Department.
- A copy of the house plan submitted to the building inspector of the local municipality, when filing for a building permit, must be submitted to the Putnam County Health Department to verify bedroom count.
- The house, well and SSTS shall be surveyed located and staked by a NYS Licensed Land Surveyor prior to construction.
- For all SSTS's which are subject to Joint Review and approval with NYCDEP the Design Professional is to notify PCHD and NYCDEP at least 24 hours prior to the commencement of the SSTS construction.
- Data based on NAVD 88.
- Property outside FEMA 100 year wetland.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE STALLED IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL (2005), AS PUBLISHED BY THE NEW YORK STATE SOIL AND WATER CONSERVATION SOCIETY AND RECOMMENDED BY THE U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE. (REFERRED TO IN REMAINING TEXT AS "THE NEW YORK GUIDELINES").
- ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEED AND MULCHED WITHIN 14 DAYS OF THE LAST DISTURBANCE WITH TEMPORARY SEEDING. THE SEEDING SHALL BE SUBMITTED TO THE BUILDING INSPECTOR OF THE LOCAL MUNICIPALITY, WHEN FILING FOR A BUILDING PERMIT, MUST BE SUBMITTED TO THE PUTNAM COUNTY HEALTH DEPARTMENT TO VERIFY BEDROOM COUNT.
- SEED: ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS/ACRE OTHER SELECT MIXTURE AS DESCRIBED IN THE NEW YORK GUIDELINES.
- IF: SPRING, SUMMER OR EARLY FALL SEED WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS PER ACRE
- IF: LATE FALL OR EARLY WINTER SEED WITH CERTIFIED "ARJOSTOOK" WINTER RYE, AT 100 LBS (CEREAL RYE) PER ACRE.
- MULCH: OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. 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.
- IN AREAS OF SLOPES STEEPER THAN ONE ON TWO, JUTE MATTING SHALL BE USED TO STABILIZED SEEDED AND/OR PLANTED AREAS. JUTE MATTING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK GUIDELINES.
- ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN FIVE (5) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:
 - STEEP SLOPES OR EROSION SLOPES GREATER THAN 2:1 (H:V) REFER TO PERMANENT CRITICAL AREA PLANTING NOTES.
 - RECREATIONAL AREAS AND LAWN REFER TO RECREATIONAL AREA IMPROVEMENT NOTES.
- SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.
- THE SITE SHALL AT ALL TIMES BE GRADE AND MAINTAIN SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADE AREA SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENTS BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL PERMANENT STORM DRAINAGE SYSTEM IS IN PLACE.
- DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
- STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROADWAYS OR DRAINAGE FACILITIES. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A SILT FENCE, HAY BALES BARRIERS OR A COMBINATION OF BOTH.
- 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 BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
- 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 CERTIFIED PROFESSIONAL.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
- ALL DRAINAGE OUTLETS AND INLETS SHALL BE LINED WITH RIP-RAP AS SPECIFIED ON THE PLANS AND/OR PER ENGINEER.
- THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

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	DESCRIPTION
3	8-16-2020	DEC COMMENTS
2	8-8-2020	HEALTH DEPARTMENT COMMENTS
1	7-12-2020	HEALTH DEPARTMENT COMMENTS

JOHN KARELL, JR. P.E.

121 CUSHMAN ROAD
PATTERSON, NEW YORK 12563

OWNER:
FATMIR OSMANAJ
15 ADAM WAGNER LANE
CARMEL (T)

SCALE:
1" = 20'

LATEST REVISION:

DATED:
April 14, 2020

SHEET No.

Tax Map:
42,-1-6

D-1





LOT 3
 AS SHOWN ON "LOTLINE
 REVISION OF LOT 2 AND 3
 OF THE MORTON
 MINCHENBERG SUBDIVISION
 FILED MAP " FILED MAP
 No.1944-B SEE ALSO No.1944-A
 AND 1944

LOT 1
 FILED MAP 1944-A
 R=50.00'
 L=106.63'

WAGNER
 LANE
 R=25.00'
 L=24.34'

LANE

(2) 48" C.M.P.

S78°18'25"E

R=625.00'
 L=76.36'

LOT 4

BARRETT
 HILL

CLUB
 * LOT 7
 ID GLORIA J. SERPENTINI
 N18°22'54"E 89.94'
 N35°00'31"E 10.12'
 N16°56'26"E 47.92'
 N21°54'29"E 61.56'
 N14°49'21"E 83.30'
 66.83'
 ALONG

ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL.
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JOHN KARELL, JR. P.E.
 121 CUSHMAN ROAD
 PATTERSON, NEW YORK 12563
 845-876-7804 phone
 845-876-4939 fax
 jack4911@yahoo.com

OWNER:
 FATMIR OSMANAJ
 15 ADAM WAGNER LANE
 CARMEL (T)

SCALE:
 1" = 20'

LATEST REVISION:
 DATED:
 April 14, 2020
 SHEET No.
 EC-1

Tax Map:
 42-1-6

EXISTING CONDITIONS



NYSDEC FRESHWATER WETLAND BOUNDARY VALIDATION
 The freshwater wetland boundary as represented on these plans accurately depicts the limits of Freshwater Wetlands _____ as delineated by _____ on _____.

DEC Staff: _____ Surveyor / Engineer: _____

Date: _____ SEAL

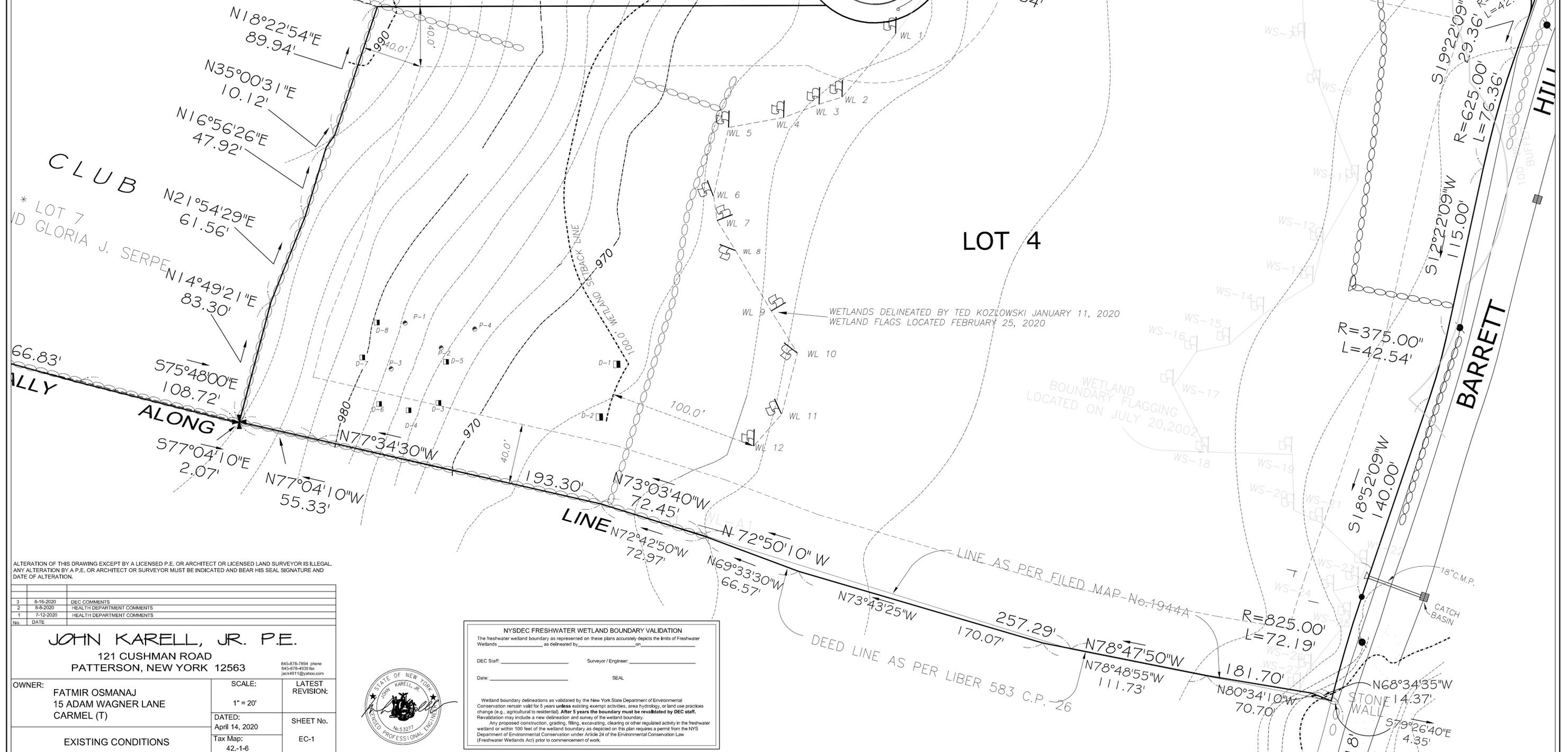
Wetland boundary delineations as validated by the New York State Department of Environmental Conservation remain valid for 5 years unless existing exempt activities, area hydrology, or land use practices change (e.g., agricultural to residential). After 5 years the boundary must be revalidated by DEC staff. Revalidation may include a new delineation and survey of the wetland boundary. Any proposed construction, grading, filling, excavating, clearing or other regulated activity in the freshwater wetland or within 100 feet of the wetland boundary as depicted on this plan requires a permit from the NYS Department of Environmental Conservation under Article 24 of the Environmental Conservation Law (Freshwater Wetlands Act) prior to commencement of work.

WETLANDS DELINEATED BY TED KOZLOWSKI JANUARY 11, 2020
 WETLAND FLAGS LOCATED FEBRUARY 25, 2020

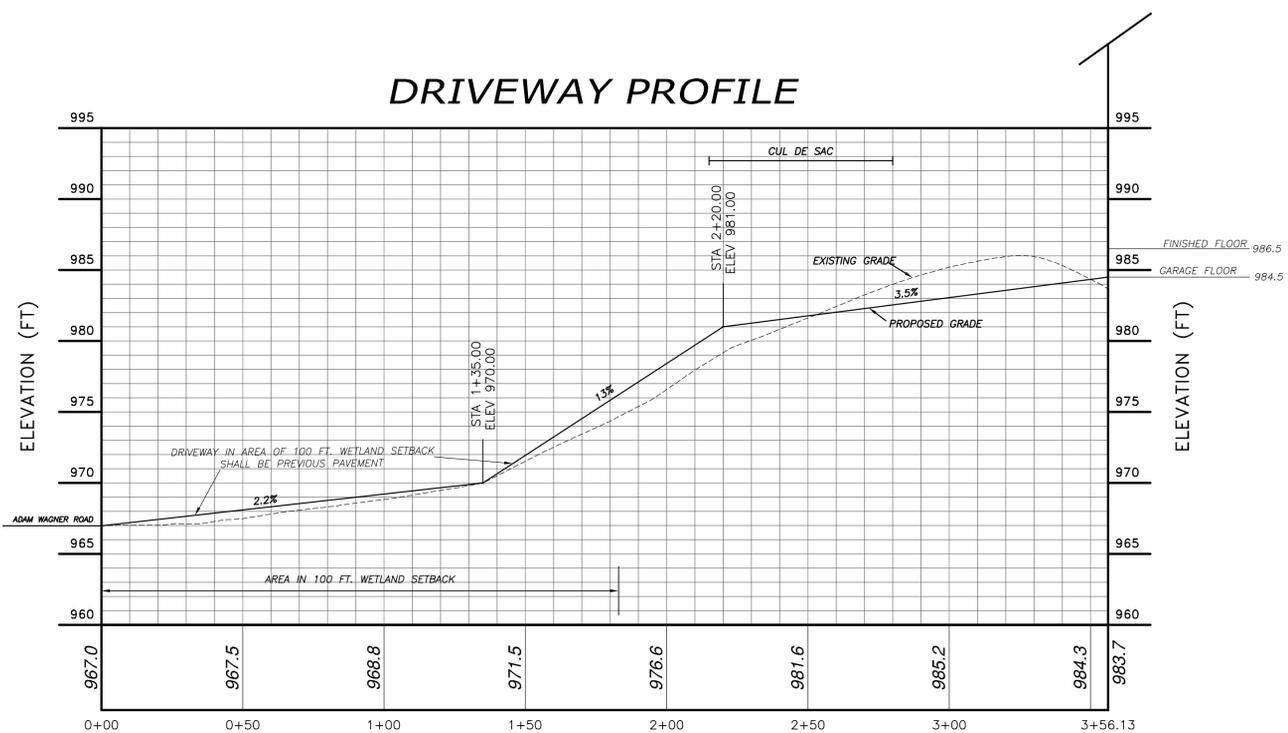
WETLAND BOUNDARY FLAGGING
 LOCATED ON JULY 20, 2002

LINE AS PER FILED MAP No.1944A

DEED LINE AS PER LIBER 583 C.P. -26

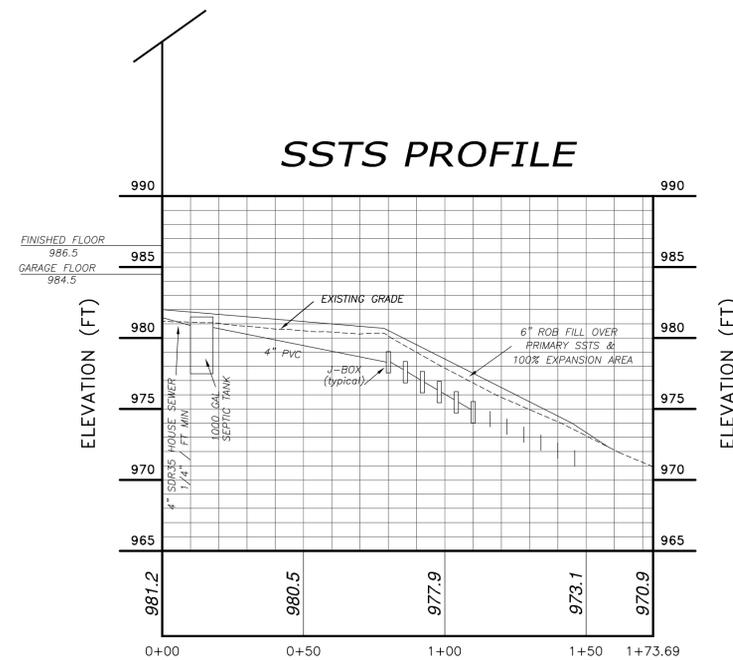


DRIVEWAY PROFILE



PROFILE SCALE:
 HORIZ: 1"=30'
 VERT: 1"=6'

SSTS PROFILE



PROFILE SCALE:
 HORIZ: 1"=30'
 VERT: 1"=6'

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	HEALTH DEPARTMENT COMMENTS
3	8-16-2020	DEC COMMENTS
2	8-8-2020	HEALTH DEPARTMENT COMMENTS
1	7-12-2020	HEALTH DEPARTMENT COMMENTS

JOHN KARELL, JR. P.E.
 121 CUSHMAN ROAD
 PATTERSON, NEW YORK 12563
845-878-7894 phone
845-878-4939 fax
jack4911@nypro.com



OWNER: FATMIR OSMANAJ 15 ADAM WAGNER LANE CARMEL (T)	SCALE: AS SHOWN	LATEST REVISION:
	DATED: April 14, 2020	SHEET No. P-1
PROFILE	Tax Map: 42-1-6	

Plans

3-part project:

1-Batting Cage

2-Seating area/"mini-dugout"

3-Fencing

Overview

The purpose of the project is to build a baseball-themed area that will include a batting cage, seating area "mini-dugout" and fencing that our children can use. The poles are expected to be removed prior to each winter season and reinstalled each spring.

1-Batting Cage: 72' long x 16' wide x 16' tall. 10 poles will go into the ground, 5 on each side of the cage, each 18' apart. Connecting each pair of poles will be a crossbar, from which the netting will hang. Poles are approx. 2" wide, causing minimal to no change in non-porous surfaces.

Installation Steps:

- a) Erect a silt fence
- b) Dig 6" trench by hand
- c) Bury approx. 2" of the silt fence with backfill*

*All digging/concreting/backfilling will occur same day so that no hole is untreated/left open for more than 24 hours.

Once silt fence is erected:

- d) Using a posthole digger, dig approx. 2-3' deep x 6-8" wide at the pre-marked location for each of the 10 poles
- e) Mix concrete approx. 30'-50' away from wetlands boundary prior to pouring and setting 2-inch sleeves at each pre-marked location

2-Seating area/"mini-dugout": Constructed of pressure-treated wood. Approx. 12-15' wide x 8' deep x 8-10' tall. Slightly sloped roof, would include a gutter and downspout that leads to a rainbarrel, to collect water we can use for plans on our property. May apply some gravel to surface to assist drainage in the general area, if needed.

3-Fence: Green-coated chain link fence (similar to what would likely see at a baseball field), approx. 100' long. Post holes approx. 1 1/4". Concrete mixed 30'-50 away from wetlands boundary. Set in ground minimum 6" from silt fence.

Consig/10 Application
186 Route 6N - 86.5-1-52

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
Vincent Turano
Anthony Federice

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: William Consiglio
Address of Applicant: 186 Route 6N Mahopac Email: CONSIGNI2@gmail.com
Telephone# 914 980 2156 Name and Address of Owner if different from Applicant:

Property Address: AME Tax Map # 86.5-1-52
Agency Submitting Application if Applicable:
Location of Wetland: adjacent to property
Size of Work Section & Specific Location: 70'-0100' long by approx. 15-20' wide
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).
Ba thing cage, seeding area, chain link fence

Proposed Start Date: 8/26/20 Anticipated Completion Date: Approx. 9/13 Fee Paid \$ _____

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

8/17/20
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: Batting cage			
Project Location (describe, and attach a location map): 186 Route 6N, see attached			
Brief Description of Proposed Action: -Batting cage -Seating area/"mini-dugout" -Chain link fence Please see attached for additional details including dimensions, installation methods, etc.			
Name of Applicant or Sponsor: Bill Consiglio		Telephone: 9149802156 E-Mail: consigwj2@gmail.com	
Address: 186 Route 6N			
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: Wetlands Committee		NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
3. a. Total acreage of the site of the proposed action?		.04% acres	
b. Total acreage to be physically disturbed?		.04% acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		.04 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,	NO	YES	N/A
a. A permitted use under the zoning regulations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>	
	<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: _____ _____	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: _____ _____	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"/>	
	<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: _____ _____ _____	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:		
<input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> 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?	NO	YES
	<input checked="" type="checkbox"/>	<input 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,	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a. Will storm water discharges flow to adjacent properties?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If Yes, briefly describe: _____		
Water runoff on top of seating area/"mini-dugout" will be transported small gutter and downspout (and possibly into a rainbarrel)		
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: <u>William Consiglio</u> Date: <u>8/17/20</u> Signature: <u>E-signature</u> Title: <u>Property Owner, 186 Route 6N, Mahopac, NY</u>		

