

**Brooklyn Inland Wetlands Commission**  
**Regular Meeting Agenda**  
**Tuesday, November 8, 2022**  
**Zoom and In-Person Meeting**  
**Clifford B. Green Memorial Center**  
**69 South Main Street**  
**6:00 p.m.**

<b>In-Person:</b> <b>Clifford B. Green Meeting Center, Suite 24, 69 South Main Street, Brooklyn, CT</b>	
<b>Online:</b> <b>Click link below:</b> <a href="https://us06web.zoom.us/j/82435574137">https://us06web.zoom.us/j/82435574137</a>	<b>OR</b> <b>Go to Zoom.us ,</b> <b>click Sign In</b> <b>On the top right, click Join a Meeting</b> <b>Enter meeting ID: 824 3557 4137</b> <b>Enter meeting password: 038430</b>
<b>Phone: Dial 1 646 558 8656 US Toll</b> <b>Enter meeting number: 824 3557 4137</b> <b>Enter meeting password: 038430</b> <b>You can bypass attendee number by pressing #</b>	

**Call to Order:**

**Roll Call:**

**Seating of Alternates:**

**Public Commentary:**

**Additions to Agenda:**

**Approval of Minutes:**

1. Regular Meeting Minutes

**Public Hearings:**

**IWWC 22-004 - 253 Wolf Den Road - Map 17 Lot 32-3 – Pasay Development.**

Installation of driveway across wetlands to access house site in previously approved subdivision.

**Old Business:**

**IWWC 22-004 - 253 Wolf Den Road - Map 17 Lot 32-3 – Pasay Development.**

Installation of driveway across wetlands to access house site in previously approved subdivision.

**411 Church Street – Andrew Kausch.** As-built plan for existing driveway and letter from Bob DeLuca of CLA Engineering.

**New Business:**

**SUBD 22-001 – 420 Allen Hill Road – Map 32 Lot 128 – Maurice Lapierre P.O.A. for Naomi Regis.** 2 lot subdivision, lot development within upland review area.

**Communications:**

1. Wetlands Agent Monthly Report.
2. Budget Update.

Public Commentary:

**Adjourn:**

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Richard Oliverson, Chairman

**Brooklyn Inland Wetlands Commission**  
**Regular Meeting Minutes**  
**Tuesday, October 11, 2022**  
**Zoom and In-Person Meeting**  
**Clifford B. Green Memorial Center**  
**69 South Main Street**  
**6:00 p.m.**

<b>In-Person:</b> Clifford B. Green Meeting Center, Suite 24, 69 South Main Street, Brooklyn, CT	
<b>Online:</b> <b>Click link below:</b> <a href="https://us06web.zoom.us/j/82435574137">https://us06web.zoom.us/j/82435574137</a>	<b>OR</b>
	<b>Go to Zoom.us ,</b> <b>click Sign In</b> <b>On the top right, click Join a Meeting</b> <b>Enter meeting ID: 824 3557 4137</b> <b>Enter meeting password: 038430</b>
<b>Phone: Dial 1 646 558 8656 US Toll</b> <b>Enter meeting number: 824 3557 4137</b> <b>Enter meeting password: 038430</b> <b>You can bypass attendee number by pressing #</b>	

**Call to Order: 6:00pm**

**Roll Call:** Richard Oliverson, Adam Brindamour, Adam Tucker, James Paquin.  
Demian Sorrentino absent with notice  
Jason Burgess arrived at 6:10 p.m.

**Staff:** Margaret Washburn, Jean Bolin

**Seating of Alternates:** None

**Public Commentary:**

James Rand of 42 Salmon Drive was in attendance and had a few concerns regarding the 143 South Street application and long-term use of the property. He asked if there is a limit to how many animals would be allowed in the future if applicant sold the property.

Margaret Washburn stated that Brooklyn and Inland Wetlands and Watercourses Commission does not limit the number of animals. Ms. Washburn explained that they asked the applicant for a better manure storage and removal plan and the applicant did submit a process to manage manure. The permit goes with the property not the owner so the permit would be valid for future owners.

Mr. Rand asked the commission who would be responsible for monitoring manure removal/storage. What can be done if the smell gets out of control?

Richard Oliverson stated that the Inland Wetland and Watercourses Commission only protects the waterways, not zoning or smell concerns.

**Approval of Minutes:** Approved and accepted as written

## **1. Public Hearing:**

### **IWWC 22-004 - 253 Wolf Den Road - Map 17 Lot 32-3 – Pasay Development.**

Installation of driveway across wetlands to access house site in previously approved subdivision.

Mr. Oliverson read aloud the public hearing notice and confirmed that it was published in the Turnpike Buyer on September 28 and October 5, 2022.

Paul Terwilliger, of PC Survey Associates, represented the applicant, Keith Pasay of Pasay Development. Mr. Terwilliger stated that the lot was approved in 2006; twin concrete pipes exist. The proposal is to extend the pipes and fill to grade. Mr. Terwilliger explained that sediment controls would include silt fence backed by hay bales for mitigation, to prevent runoff entering the wetlands. Side slopes would be covered with matting after seeding is done. The amount of fill needed would increase existing grade by about 8 feet, then taper down from there. There would be about 300 yards of fill needed, and approximately 70-100 yards would be in wetlands. Riprap would be used beyond the flared ends of the pipes.

Adam Brindamour asked if the wetlands had been flagged recently. Mr. Terwilliger said yes, in 2021.

James Paquin inquired about what would happen if in the future if there was animosity amongst neighbors, who would maintain the pipes? Is there a way to have a few feet between driveways so each end can be maintained by each owner?

Mr. Terwilliger explained that if they created space between the driveways for mutual maintenance, then more wetlands would have to be disturbed. This current plan has the least impact on wetlands.

Mr. Paquin asked how much cover is over the pipes.

Mr. Terwilliger commented that it would be about 6 feet at the steepest point.

Peter Joyce was in attendance and stated that he was an abutter to this property and had not been notified of this public hearing.

Mr. Terwilliger asked Mr. Joyce for his address and checked the abutter's mailing list that was used. Mr. Joyce was not listed as an abutter. He confirmed that Mr. Joyce was not an official abutter.

Charles Browning of 255 Wolf Den was in attendance and stated that Mr. Joyce is not an abutter, but his property is 50 feet from the applicant's address.

Ms. Washburn added that Mr. Joyce is not an abutter, and his property is upstream from this property in this application.

Mr. Terwilliger explained that there is an existing driveway base, but it is on the neighbor's property. They had tried to relocate the property lines, but that did not work.

Mr. Joyce asked how much disturbance would be to wetlands.

Mr. Terwilliger replied about 730 square feet.

Mr. Oliverson indicated that this application has minimal impact to wetlands; other options would disturb wetlands.

Nicole Garbutt of 255 Wolf Den read aloud a notice that stated that she had done significant improvements to the property and would be taking legal action, including filing a lawsuit for adverse possession if this is approved. She requested that this application be denied.

Mr. Browning asked if the driveway is approved, how will the pipes be joined into one?

Mr. Terwilliger stated that the flared ends would be cut out and extend the pipes.

Mr. Oliverson inquired if a site walk would best before it is deemed a significant impact.

Mr. Browning stated that he is the owner of Portfolio Properties LLC, and the current apron does not meet code. His concern was if the driveway needs to be removed in the future, how does that impact wetlands.

Mr. Paquin commented that there are currently 80 feet of pipe, which is a long run for a 12" pipe. He asked why there has to be a new zoning permit.

Ms. Washburn replied that a new house needs a new zoning permit.

Mr. Oliverson stated that 80 feet of pipe is a lot.

Ms. Washburn stated that Syl Pauly reviewed the site plan and had no comment. She encouraged a site walk before making any decisions.

Mr. Browning asked if Mr. Pasay is unwise enough to install the driveway, what role would the town play in the removal of the fill if Ms. Garbutt's pending lawsuit prevailed.

Ms. Washburn advised the commission to bring the provided sample motion sheets on the site walk.

The Commission agreed to do a site walk on October 21, 2022, at 5:00 p.m. Minutes from the site walk will be posted on the Town website.

**Old Business:**

**1. IWWC 22-004 - 253 Wolf Den Road - Map 17 Lot 32-3 – Pasay Development.**

Installation of driveway across wetlands to access house site in previously approved subdivision. Adam Brindamour made a motion to continue public hearing at the next regularly scheduled Inland Wetlands and Watercourses Commission meeting on November 14, 2022, at 6:00 pm.

Adam Tucker seconded the motion. Approved 5/0.

**1. IWWC 22-005 143 South Street – Map 40 Lot 88-11 – Loni Decelles.** Construction of horse barn within upland review area. Clearing for horse turn out within upland review area. Selective clearing and fencing within wetland.

Mr. Terwilliger represented the applicant, Loni Decelles. He presented the revisions that were requested previously.

Ms. Washburn asked Mr. Terwilliger if Ms. Decelles got permission to cut down trees on town land.

Mr. Terwilliger replied yes.

Mr. Brindamour made a motion to approve IWWC 22-005 143 South Street – Map 40 Lot 88-11 – Loni Decelles. Construction of horse barn within upland review area. Clearing for horse turn out within upland review area. Selective clearing and fencing within wetland, with standard conditions.

Mr. Paquin seconded the motion. Approved 5/0.

**New Business:**

**1. IWWC 22-006 - 14 Hugh Drive – Gary Mark Emond – Map 36 Lot 31 – after-the-fact permit for a shed.**

Gary Emond was present along with Christina Brown and Andy Bowen.

Mr. Paquin made a motion to approve **IWWC 22-006 - 14 Hugh Drive – Gary Mark Emond – Map 36 Lot 31 – after-the-fact permit for a shed with standard conditions.**

Ms. Washburn did a site inspection and confirmed where the motorcycle path to the shed was and where excavated material will be placed. She recommended approval of this application.

Mr. Brindamour seconded the motion. Approved 5/0.

**2. DR 22-004 – 129 Creamery Brook Rd – Courtney Crofts – Map 32 Lot 121-2 - To build a 12 ft x 18 ft run in a shed for cattle, directly related to agriculture. Made with galvanized steel and sheet metal secured to the ground with rebar in a post hole filled with concrete.**

Stephanie Bellows was present to represent this application.

Mr. Paquin made a motion to approve DR 22-004 – 129 Creamery Brook Rd – Courtney Crofts – Map 32 Lot 121-2 - To build a 12 ft x 18 ft run in a shed for cattle, directly related to agriculture. Made with galvanized steel and sheet metal secured to the ground with rebar in a post hole filled with concrete and issue a Declaratory ruling for agricultural use as of right.

Mr. Brindamour seconded the motion. Approved 5/0.

**Other Business:**

Town email addresses for IWWC members requested.

Jason Burgess expressed that he wants a town e-mail address for each member of the commission. Mr. Burgess said that all town related communications should be done through a town specified e-mail address, not through personal e-mails.

Austin Tanner was in attendance and stated that he will talk to the Town IT staff and Town Counsel.

**Additions to Agenda:** None

**Communications:**

1. Wetlands Agent Monthly Report.
2. Budget Update.

**Public Commentary:** None

**Adjourn:**

Adam Brindamour made a motion to adjourn at 7:25p.m.  
Adam Tucker seconded the motion. Approved 5-0.

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Richard Oliverson, Chairman

INLAND WETLANDS & WATERCOURSES COMMISSION  
TOWN OF BROOKLYN, CONECTICUT

Date 8/4/2022

Application # IWWC 22-004

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT PASAY DEVELOPMENT, LLC MAILING ADDRESS 162 MAIN STREET, DANIELSON, CT 06239  
APPLICANT'S INTEREST IN PROPERTY OWNER PHONE 860 908 3906 EMAIL \_\_\_\_\_

PROPERTY OWNER IF DIFFERENT SAME PHONE \_\_\_\_\_  
MAILING ADDRESS \_\_\_\_\_ EMAIL \_\_\_\_\_

ENGINEER/SURVEYOR (IF ANY) PC SURVEY ASSOCIATES / KILLINGLY ENGINEERING ASSOCIATES  
ATTORNEY (IF ANY) ERNEST COTNOIR

PROPERTY LOCATION/ADDRESS WOLF DEN ROAD  
MAP # 17 LOT # 32-3 ZONE RA TOTAL ACRES 6.33 AC. ACRES OF WETLANDS ON PROPERTY 1.9 AC.

PURPOSE AND DESCRIPTION OF THE ACTIVITY INSTALLATION OF DRIVEWAY ACROSS WETLAND TO ACCESS HOUSE SITE ON PREVIOUSLY APPROVED SUBDIVISION LOT

WETLANDS EXCAVATION AND FILL:  
FILL PROPOSED GRAVEL CUBIC YDS 70 SQ FT 730  
EXCAVATION PROPOSED \_\_\_\_\_ CUBIC YDS 15 SQ FT 300  
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE X OFF SITE \_\_\_\_\_  
TOTAL REGULATED AREA ALTERED: SQ FT 6000 ACRES 0.14

EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): PROPOSED PROPERTY LINE RELOCATION WITH ADJOINING LAND OWNER BUT ADJOINING LAND OWNER WAS NOT RECEPTIVE TO THE IDEA.

MITIGATION MEASURES (IF REQUIRED): WETLANDS/WATERCOURSES CREATED: CY \_\_\_\_\_ SQFT \_\_\_\_\_ ACRES \_\_\_\_\_

IS PARCEL LOCATED WITHIN 500FT OF AN ADJOINING TOWN? NO IF YES, WHICH TOWN(S) \_\_\_\_\_  
IS THE ACTIVITY LOCATED WITHIN THE WATERSHED OF A WATER COMPANY AS DEFINED IN CT GENERAL STATUTES 25-32A? NO

*THE OWNER AND APPLICANT HEREBY GRANT THE BROOKLYN IWWC, THE BOARD OF SELECTMAN AND THEIR AUTHORIZED AGENTS PERMISSION TO ENTER THE SUBJECT PROPERTY FOR THE PURPOSE OF INSPECTION AND ENFORCEMENT OF THE IWWC REGULATIONS OF THE TOWN OF BROOKLYN. IF THE COMMISSION DETERMINES THAT OUTSIDE REVIEW IS REQUIRED, APPLICANT WILL PAY CONSULTING FEE.*

NOTE: DETERMINATION THAT THE INFORMATION PROVIDED IS INACCURATE MAY INVALIDATE THE IWWC DECISION AND RESULT IN ENFORCEMENT ACTION.

APPLICANT: Pasay Dev. LLC [Signature] member DATE 8/1/2022

OWNER: Pasay Dev. LLC [Signature] member DATE 8/1/2022



**REQUIREMENTS**

\$150 Town  
50 NOA

APPLICATION FEE \$200 STATE FEE (\$60.00)  paid # 11539 \$260<sup>00</sup> 8/3/21

COMPLETION OF CT DEEP REPORTING FORM

ORIGINAL PLUS COPIES OF ALL MATERIALS REQUIRED - NUMBER TO BE DETERMINED BY STAFF

PRE-APPLICATION MEETING WITH THE WETLANDS AGENT IS RECOMMENDED TO EXAMINE THE SCOPE OF THE ACTIVITY

SITE PLAN SHOWING LOCATION OF THE WETLANDS WITH EXISTING AND PROPOSED CONDITIONS. APPLICANT MAY BE REQUIRED TO HAVE A CERTIFIED SOIL SCIENTIST IDENTIFY THE WETLANDS.

COMPLIANCE WITH THE CONNECTICUT EROSION & SEDIMENTATION CONTROL MANUAL

IF THE PROPOSED ACTIVITY IS DEEMED TO BE A "SIGNIFICANT IMPACT ACTIVITY" A PUBLIC HEARING IS REQUIRED ALONG WITH THE FOLLOWING INFORMATION:

- o NAMES AND ADDRESSES OF ABUTTING PROPERTY OWNERS
- o ADDITIONAL INFORMATION AS CONTAINED IN IWWC REGULATIONS ARTICLE 7.6

**ADDITIONAL INFORMATION/ACTION NEEDED:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**OTHER APPLICATIONS MAY BE REQUIRED. CONTACT THESE AGENCIES FOR FURTHER INFORMATION:**

APPLICATION TO STATE OF CONNECTICUT DEEP  
INLAND WATER RESOURCES DIVISION  
79 ELM ST.  
HARTFORD, CT. 06106  
1-860-424-3019

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS  
696 VIRGINIA ROAD  
CONCORD, MA. 01742  
1-860-343-4789

**STAFF USE ONLY:**

DECLARATORY RULING: AS OF RIGHT & NON-REGULATED USES (SEE IWWC REGULATIONS SECTION 4)

**PERMIT REQUIRED:**

AUTHORIZED BY STAFF/CHAIR (NO ACTIVITY IN WETLANDS/WATERCOURSE AND MINIMAL IMPACT)

\_\_\_\_\_  
CHAIR, BROOKLYN IWWC

\_\_\_\_\_  
WETLANDS OFFICER

AUTHORIZED BY IWWC

\_\_\_\_\_  
SIGNIFICANT ACTIVITY/PUBLIC HEARING

**NO PERMIT REQUIRED**

OUTSIDE OF UPLAND REVIEW AREA

NO IMPACT

\_\_\_\_\_  
CHAIR, BROOKLYN IWWC

\_\_\_\_\_  
WETLANDS OFFICER

**TIMBER HARVEST**



GIS CODE #: \_\_\_\_\_  
 For DEP Use Only

## Statewide Inland Wetlands & Watercourses Activity Reporting Form

Complete, print, **sign**, and mail this form in accordance with the instructions on pages 2 and 3.

### PART I: To Be Completed By The Municipal Inland Wetlands Agency Only

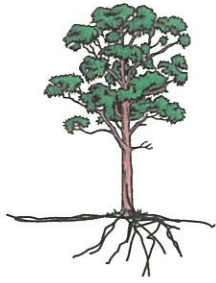
- DATE ACTION WAS TAKEN (use drop-down box):      Year      Month
- ACTION TAKEN (use drop-down box):
- WAS A PUBLIC HEARING HELD? (select one only)       Yes       No
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
 (print): \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By The Municipal Inland Wetlands Agency Or The Applicant

- TOWN IN WHICH THE ACTION IS OCCURRING:    BROOKLYN  
 Does this project cross municipal boundaries? (select one only)     Yes     No  
 If Yes, list the other town(s) in which the action is occurring:
  - LOCATION: [USGS Quad Map Name](#) (see hyperlink):    DANIELSON  
[Quad Number](#) (see hyperlink):    43  
 Subregional Drainage [Basin Number](#) (see hyperlink):    3711
  - NAME OF APPLICANT, VIOLATOR OR PETITIONER:    PASAY DEVELOPMENT, LLC
  - NAME & ADDRESS/LOCATION OF PROJECT SITE:    WOLF DEN ROAD, BROOKLYN, CT
- Briefly describe the action/project/activity:  Temporary     Permanent
- RESIDENTIAL DRIVEWAY WETLAND CROSSING**
- ACTIVITY *PURPOSE* CODE (Use drop-down box):    B
  - ACTIVITY *TYPE* CODE(S) (Use drop-down box)      1 ,    2 ,    12 ,    14
  - WETLAND / WATERCOURSE AREA ALTERED [must be provided in acres or linear feet as indicated]:  
 Wetlands:      0.02 acres      Open Water Body:      0 acres      Stream:      35 linear feet
  - UPLAND REVIEW AREA ALTERED [must be provided in acres]:      0.1 acres
  - AREA OF WETLANDS AND / OR WATERCOURSES RESTORED, ENHANCED OR CREATED:      0 acres  
 [must be provided in acres]

### PART III: To Be Completed By The DEP

- DATE RECEIVED: \_\_\_\_\_ DATE RETURNED TO DEP: \_\_\_\_\_  
 FORM COMPLETED:  YES     NO      FORM CORRECTED / COMPLETED:  YES     NO



## JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~  
PHONE 860-428-7992 ~ FAX 860-376-6842  
P.O. Box 32, VOLUNTOWN, CT. 06384

FORESTRY SERVICES ~ ENVIRONMENTAL IMPACT ASSESSMENTS  
WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING  
WETLAND FUNCTION AND VALUE ASSESSMENTS

6/28/22

P.C. SURVEY ASSOC. LLC.  
63 SNAKE MEADOW HILL RD.  
KILLINGLY, CT. 06239

ATTN: MR. PAUL TERWILLIGER

RE: 253 WOLF DEN ROAD WETLAND DELINEATION

DEAR MR. TERWILLIGER,

AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS AND WATERCOURSE ON THE ABOVE REFERENCED PROPERTY.

THESE WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTION 22A-38.

FLUORESCENT PINK FLAGS WITH A CORRESPONDING LOCATION NUMBER DELINEATE THE BOUNDARY BETWEEN THE UPLAND SOILS AND THE INLAND WETLANDS/WATERCOURSE.

FLAG NUMBERS WF-1 THRU WF-19 DELINEATE THE NORTHERN PORTION OF THE BOUNDARY OF THE PALUSTRINE FORESTED WETLANDS AND WATERCOURSE LOCATED ALONG THE NORTHERN PROPERTY BOUNDARY.

IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.

THANK YOU,

*Joseph R. Theroux*

JOSEPH R. THEROUX  
CERTIFIED SOIL SCIENTIST  
MEMBER SSSSNE, NSCSS, SSSA.

# APPROVAL TO CONSTRUCT OR REPAIR SEWAGE DISPOSAL SYSTEM

NORTHEAST DISTRICT DEPARTMENT OF HEALTH  
69 SOUTH MAIN STREET UNIT 4  
BROOKLYN, CT  
860-774-7350

Approval is hereby granted for the construction/repair of a sewage disposal system at the property described below:

FILE # 22000260

MAP #17 LOT #32-3

TOWN: BROOKLYN

INSTALLER: RONALD RACINE (SIG ON FILE)

STREET: 253 WOLF DEN ROAD

CT LIC #3990 EXPIRES: 07/31/2022

PROPERTY OWNER: PASAY DEVELOPMENT

APPRENTICE:

Residential: No. of Bedrooms: 3 Non-Residential: Design Flow: 0 Gallons Per Day (GPD)

## INSTRUCTIONS FOR INSTALLER

1. Construction plot plan submitted and approved by this office must be adhered to.
2. This office must be contacted for approval if any change is going to be made in the system location, size or design, or any changes in house, well or property line locations.
3. Any *NEW* sewage disposal system must conform to *ALL* requirements of Section 19-13-BI03 of the CT Public Health Code.
4. *ALL* new construction to be under *DIRECT* supervision of a CT licensed installer under Section 20-341 of the CT General Statutes.
5. The installer is *RESPONSIBLE* for *VERIFYING LOCATIONS* of *PROPERTY LINES, WELLS,* and *BURIED UTILITY LINES* prior to construction.
6. Installer to notify N.D.D.H. 24 hours, in advance, prior to the start of construction.
7. Installer to have septic tank covers removed at the time of inspection.

## SPECIFIC INSTRUCTIONS:

- Install per plot plan. (Drawn By: PC Survey Associates., Job #20055, Dated: 06/23/2021)
- CT licensed surveyor must stake house, well, benchmark, and septic system; offset stakes to include flow line or bottom of trench elevation.
- Install a 1,000-gallon two compartment septic tank with outlet baffle filter.
- Install 675 square feet of effective leaching area consisting of 1 65' row of 18" Eljen Mantis 536-8.
- Maximum depth into existing grade not to exceed 6 inches.
- A bottom of excavation inspection is required once the topsoil has been removed.
- A current sieve analysis of select fill material (within past 30 days) must be submitted to NDDH.
- Select fill is to be perced once in place.
- Installer to schedule and be present for final inspection with NDDH staff and have level set up so that elevations may be verified.
- Installer's as-built drawing (to include ties to the house) and completed checklist required.

GRANTED BY:

  
Donovan Moe

DATE ISSUED: 05/02/2022

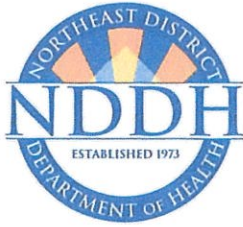
ONE RENEWAL:   /  /  

EXPIRES: 05/02/2023

EXPIRES:   /  /  

  
Steve Knauf

THIS PERMIT IS VALID FOR A PERIOD OF ONE YEAR FROM DATE OF ISSUE. IN ACCORDANCE WITH THE CT PUBLIC HEALTH CODE SECTION 19-13-BI03e(F)(I). ONE RENEWAL IS POSSIBLE PROVIDED NDDH IS NOTIFIED PRIOR TO THE EXPIRATION DATE NOTED ABOVE. IF PERMIT EXPIRES, INSTALLERS ARE CHANGED, OR ANY OTHER DEVIATION FROM THE ORIGINAL PERMIT, A NEW APPLICATION MUST BE COMPLETED AND ALL APPLICABLE FEES MUST BE PAID.



## NORTHEAST DISTRICT DEPARTMENT OF HEALTH

69 SOUTH MAIN STREET, UNIT 4, BROOKLYN, CT 06234  
860-774-7350/FAX 860-774-1308 WWW.NDDH.ORG

May 02, 2022

Pasay Development, LLC.  
162 Main Street  
Danielson, CT 06239

**SUBJECT: FILE #22000260 -- WOLF DEN ROAD #253, MAP #17, LOT #32-3, BROOKLYN, CT**

Dear Pasay Development, LLC:

The subject plan (PC SURVEY ASSOCIATES LLC, JOB# 20055, PASAY DEVELOPMENT, DRAWN JUNE 2021) submitted on 04/14/2022 has been reviewed, as requested. Following completion of this review, it has been determined that the subject plan will meet the requirements of the Technical Standards for a 3-bedroom house based on the following:

1. CT licensed surveyor must stake house, benchmark, and septic system, offset stakes to include flow line or bottom of trench elevation.
2. Permanent benchmark to be set within 50 feet horizontally and 12 feet vertically of septic system.
3. A bottom of excavation inspection is required once the topsoil has been removed.
4. A current sieve analysis of select fill material (within past 30 days) must be submitted to the Northeast District Department of Health (NDDH).
5. Select fill is to be perced once in place.
6. An engineer/surveyor's As-Built drawing (to include ties to the house) is to be submitted following the final inspection and approval of installation by NDDH.
7. Installer to schedule and be present for the final inspection with NDDH staff. Level to be set up for verification of elevations OR an Engineer's As Built will be required.

This letter is NOT to be construed as an APPROVAL TO CONSTRUCT the septic system and DOES NOT indicate that the Northeast District Department of Health endorses approval for issuance of any building permit.

Prior to the start of construction of the septic system, you must apply for your Approval to Construct Permit and submit the applicable fees to this office. A set of the floor plans of your house must be submitted to NDDH for review. Your CT licensed installer must come in to this department to sign for the permit if we do not have his signature on file. Office hours are Mon - Thurs 8 am - 4 pm, Fri 8 am - Noon.

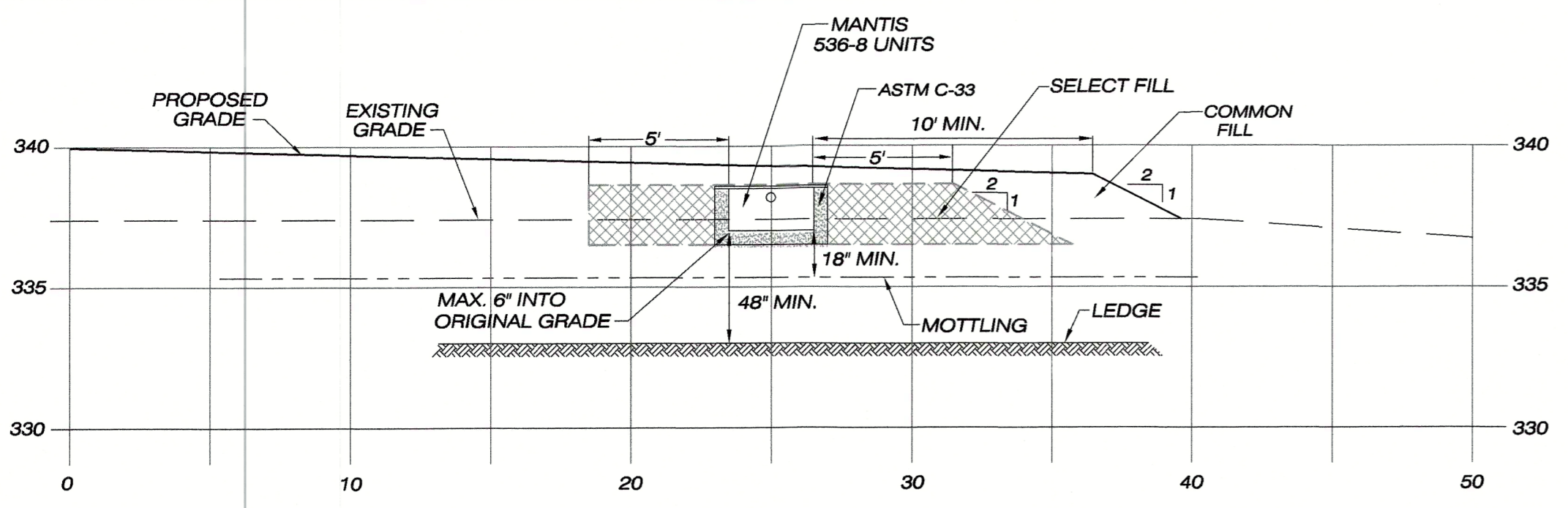
**THE OWNER IS RESPONSIBLE TO SEEK PROPER AUTHORIZATION FROM ALL TOWN AGENCIES PRIOR TO START OF CONSTRUCTION.**

Should you have any questions, please do not hesitate to contact this office.

Sincerely,

Donovan Moe, EHS  
Environmental Health Specialist ~ NDDH

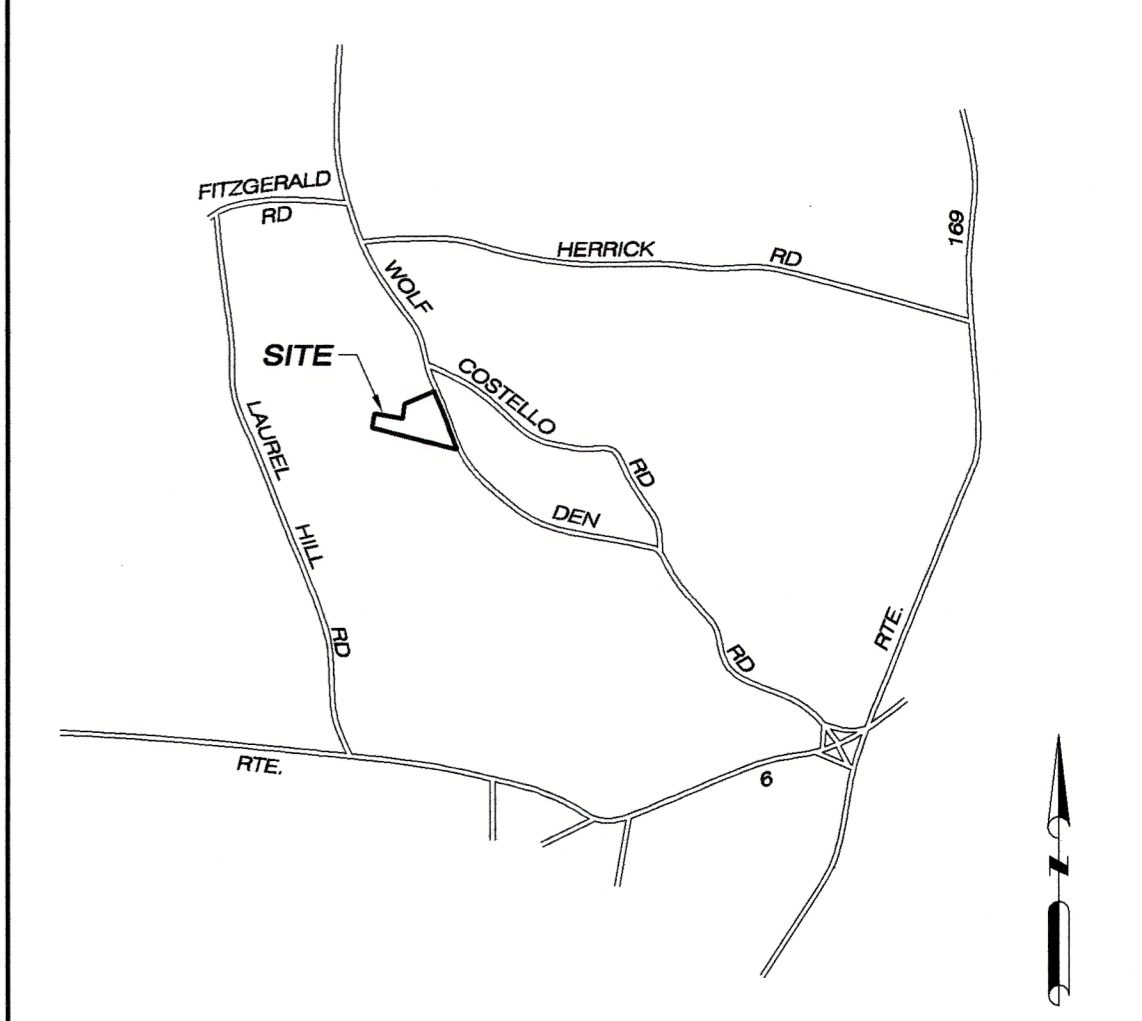
cc: Brooklyn Building Official; PC Survey Associates LLC, Ron Racine



**LEACH FIELD CROSS SECTION "A-A"**  
SCALE: 1" = 5'

BUILDING	
F/L OUT =	339.4 MIN.
SEPTIC TANK	
1000 GALLON TWO COMPARTMENT	
F/L IN =	338.85
F/L OUT =	338.6
DISTRIBUTION BOX 1	
F/L IN =	338.17
F/L OUT =	338.0

**UNDERGROUND UTILITY LOCATIONS ARE TO BE MARKED IN THE FIELD PRIOR TO ANY EXCAVATION**  
**"CALL BEFORE YOU DIG" 1 800 922 4455 OR 811**



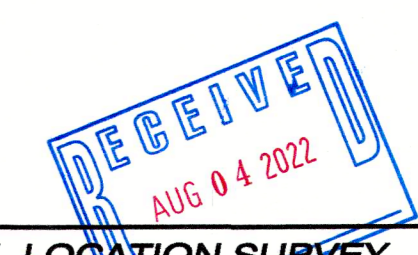
**LOCATION MAP** 1" = 2000'

- NOTES:**
- THIS MAP AND SURVEY HAVE BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT", AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A GENERAL LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS C. TOPOGRAPHIC FEATURES DEPICTED WITHIN AREA OF LOT DEVELOPMENT CONFORM TO TOPOGRAPHIC ACCURACY CLASS T-2. TOPOGRAPHIC FEATURES OUTSIDE AREA OF DEVELOPMENT WERE DERIVED FROM NOAA LIDAR DATA AND CONFORM TO TOPOGRAPHIC ACCURACY CLASS T-0. VERTICAL DATUM IS ASSUMED, CONTOUR INTERVAL = 2 FEET. THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY BOUNDARY OR LIMITED PROPERTY BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.
  - REFERENCE IS MADE TO THE FOLLOWING MAPS:  
SUBDIVISION PLAN PREPARED FOR PORTFOLIO PROPERTIES, L.L.C. - WOLF DEN ROAD, BROOKLYN, CONNECTICUT - SCALE: 1"=60' - DATE: 12/9/2005 - REVISED 3/24/2006 - SHEET 2 OF 6 - BY: KWP ASSOCIATES  
PERIMETER SURVEY - PROPERTY LINE RELOCATION - LOT 3 & LOT 5 - PREPARED FOR PASAY DEVELOPMENT, LLC & NICOLE GARBUITT - WOLF DEN ROAD - BROOKLYN, CONNECTICUT - DATE: APRIL 2021 - SCALE: 1"=20' - BY: PC SURVEY ASSOCIATES, LLC  
COMPILATION PLAN - MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE CONNECTICUT LIGHT & POWER COMPANY ACROSS THE PROPERTY OF PORTFOLIO PROPERTIES, L.L.C. - WOLF DEN ROAD, BROOKLYN, CONNECTICUT - FILE NO: E6210 - SCALE: 1"=60' - DATE: 08/29/2006 - SHEET 1 OF 1 - BY: KWP ASSOCIATES
  - ZONE: RA
  - SUBJECT PARCEL IS SHOWN AS MAP 17, LOT 32-3 OF THE BROOKLYN ASSESSORS RECORDS.
  - WETLANDS DEPICTED AS FIELD LOCATED IN AREA OF CROSSING AND TAKEN FROM REFERENCED SUBDIVISION MAP ON REMAINING AREA OF LOT.

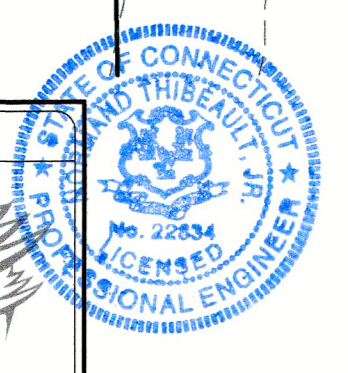
**SOIL TEST DATA**  
SOIL TESTING PERFORMED 9/21/2005 BY N.D.D.H.  
FILE NO. 6000167

TEST HOLE	DEPTH	SOIL TYPE	NOTES
TEST HOLE 5A	0-5"	ORGANICS	
	5-15"	BROWN VERY FINE SANDY LOAM	
	15-26"	TAN SANDY LOAM	
	26-30"	MOTTLED COMPACT SANDY PAN	NO WATER
			MOTTLING AT 26"
			NO LEDGE
TEST HOLE 5B	0-6"	ORGANICS, TOPSOIL	
	6-18"	BROWN VERY FINE SANDY LOAM	
	18-28"	TAN SANDY LOAM	
	28-34"	MOTTLED GRAY COMPACT SANDY PAN	NO WATER
			MOTTLING AT 28"
			LEDGE AT 54"
TEST HOLE 6	0-6"	ORGANICS, TOPSOIL	
	6-18"	BROWN VERY FINE SANDY LOAM	
	18-28"	TAN SANDY LOAM	
	28-68"	MOTTLED GRAY COMPACT SANDY PAN	NO WATER
			MOTTLING AT 26"
			LEDGE AT 68"

PERCOLATION RATE: 10.1-20 MIN./INCH (BUMPED DUE TO DRY CONDITIONS)



SEPTIC SYSTEM DESIGN BY:  
**Killingly Engineering Associates**  
114 Westcott Road  
P.O. Box 421  
Dayville, Connecticut 06241  
860 779 7299  
Normand Thibault, Jr., P.E., No. 22834  
DATE: 8/3/2022



**LEGEND**

+ 327.0	EXISTING SPOT GRADE
--- 338	EXISTING CONTOUR
--- 320	PROPOSED CONTOUR
---	EROSION CONTROL BARRIER
⊠	TEST PIT
○	IRON PIN FOUND
○	STONE WALL

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.  
PAUL A. TERWILLIGER, L.S. NO. 70155  
DATE: 08/09/2022

**GENERAL LOCATION SURVEY**  
**LOT 3**  
**SEPTIC SYSTEM DESIGN PLAN**  
PREPARED FOR  
**PASAY DEVELOPMENT, LLC**

**WOLF DEN ROAD**  
**BROOKLYN, CONNECTICUT**

DATE: JUNE 2021  
SCALE: 1" = 30'

63 SNAKE MEADOW RD  
KILLINGLY, CT 06239  
860 774 6230

SHEET NO: 1 OF 2  
REVISED: 6/9/2022

JOB NO: 20055 F.B. NO: 228 DRAWN BY: P.A.T. MAP NO:

**REFERENCE IS MADE TO:**

CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, MAY 2002.

**DEVELOPMENT**

PROPOSED DEVELOPMENT CONSISTS OF THE CONSTRUCTION OF A SINGLE FAMILY DWELLING WITH APPURTENANT SEPTIC SYSTEM, WELL, DRIVEWAY, UTILITIES AND SITE GRADING.

**CONSTRUCTION SEQUENCE:**

1. INSTALL EROSION AND SEDIMENT CONTROL STRUCTURES ALONG THE PROPOSED LIMITS OF DISTURBANCE.
2. PROVIDE ANTI TRACKING PAD AND TEMPORARY POWER TO THE SITE.
3. REMOVE AND STOCKPILE TOPSOIL AND INSTALL SEDIMENT BARRIER.
4. EXCAVATE FOUNDATION AND BEGIN HOUSE CONSTRUCTION.
5. INSTALL SEPTIC SYSTEM AND WELL.
6. INSTALL DRIVEWAY AND UTILITIES TO THE RESIDENCE.
7. LOAM, SEED & MULCH DISTURBED AREAS.
8. AFTER STABILIZATION OF DISTURBED AREAS, REMOVE EROSION AND SEDIMENT CONTROL.

**GENERAL DEVELOPMENT PLAN**

PRIOR TO THE COMMENCEMENT OF OPERATIONS IN ACCORDANCE WITH ANY PERMIT ISSUED BY THE TOWN OF BROOKLYN, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES.

THE CONTRACTOR SHALL OBTAIN A SITE INSPECTION FROM THE TOWN OF BROOKLYN ZONING ENFORCEMENT OFFICER OR WETLANDS AGENT TO ENSURE THAT ALL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS NARRATIVE. UPON APPROVAL WITH RESPECT TO THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES, THE CONTRACTOR MAY COMMENCE OPERATIONS PURSUANT TO THE PERMIT. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE "SILT FENCE INSTALLATION & MAINTENANCE" AND "HAY BALE INSTALLATION & MAINTENANCE" SECTIONS OF THIS NARRATIVE.

ALL STRIPPING IS TO BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. TOPSOIL SHALL BE STOCKPILED SO THAT SLOPES DO NOT EXCEED 2 TO 1. THERE SHALL BE NO BURIAL OF STUMPS. A HAY BALE SEDIMENT BARRIER IS TO SURROUND EACH STOCKPILE AND A TEMPORARY VEGETATIVE COVER PROVIDED IF NECESSARY.

DUST CONTROL WILL BE ACCOMPLISHED BY SPRAYING WITH WATER.

FINAL STABILIZATION OF THE SITE IS TO FOLLOW THE PROCEDURES OUTLINED IN PERMANENT VEGETATIVE COVER. IF NECESSARY A TEMPORARY VEGETATIVE COVER IS TO BE PROVIDED UNTIL A PERMANENT COVER CAN BE APPLIED.

DURING THE STABILIZATION PERIOD, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL EROSION AND SEDIMENT CONTROL ON A TWICE-WEEKLY BASIS DURING THE STABILIZATION PERIOD AND AFTER EACH STORM EVENT. DURING THE STABILIZATION PERIOD WITH RESPECT TO THE SITE, ANY EROSION WHICH OCCURS WITHIN DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED, RESEEDED AND RE-ESTABLISHED.

ALL DISTURBED SLOPES SHALL BE STABILIZED WITHIN ONE SEASON (SPRING OR FALL) OF THE COMPLETION OF THE PROJECT BEFORE A CERTIFICATE OF COMPLIANCE WILL BE ISSUED.

ONCE STABILIZATION HAS BEEN COMPLETED AND APPROVED BY THE TOWN OF BROOKLYN ZONING ENFORCEMENT OFFICER, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED BY THE CONTRACTOR.

**SILT FENCE INSTALLATION AND MAINTENANCE:**

1. DIG A 6" DEEP TRENCH ON THE UPHILL SIDE OF THE BARRIER LOCATION.
2. POSITION THE POSTS ON THE DOWNHILL SIDE OF THE BARRIER AND DRIVE THE POSTS 1 FOOT INTO THE GROUND.
3. LAY THE BOTTOM 6" OF THE FABRIC IN THE TRENCH TO PREVENT UNDERMINING AND BACKFILL.
4. INSPECT AND REPAIR BARRIER AFTER HEAVY RAINFALL.
5. INSPECTIONS WILL BE MADE AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS.
6. SEDIMENT DEPOSITS ARE TO BE REMOVED WHEN THEY REACH A HEIGHT OF 1 FOOT BEHIND THE BARRIER OR HALF THE HEIGHT OF THE BARRIER AND ARE TO BE DEPOSITED IN AN AREA WHICH IS NOT REGULATED BY THE INLAND WETLANDS COMMISSION.
7. REPLACE OR REPAIR THE FENCE WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE FENCE HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE FENCE BECAUSE:
  - THE FENCE HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER,
  - THE FENCE HAS BEEN MOVED OUT OF POSITION, OR
  - THE GEOTEXTILE HAS DECOMPOSED OR BEEN DAMAGED.

**HAY BALE INSTALLATION AND MAINTENANCE:**

1. BALES SHALL BE PLACED AS SHOWN ON THE PLANS WITH THE ENDS OF THE BALES TIGHTLY ABUTTING EACH OTHER.
2. EACH BALE SHALL BE SECURELY ANCHORED WITH AT LEAST 2 STAKES AND GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER FROM PASSING BETWEEN THE BALES.
3. INSPECT BALES AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER TO DETERMINE MAINTENANCE NEEDS.
4. REMOVE SEDIMENT BEHIND THE BALES WHEN IT REACHES HALF THE HEIGHT OF THE BALE AND DEPOSIT IN AN AREA WHICH IS NOT REGULATED BY THE INLAND WETLANDS COMMISSION.
5. REPLACE OR REPAIR THE BARRIER WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE BARRIER HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE BARRIER BECAUSE:
  - THE BARRIER HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER,
  - THE BARRIER HAS BEEN MOVED OUT OF POSITION, OR
  - THE HAY BALES HAVE DETERIORATED OR BEEN DAMAGED.

**TEMPORARY VEGETATIVE COVER**

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSENED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY A JUTE NETTING COVER TO SLOPES OF 3:1 OR GREATER SLOPE.

**PERMANENT VEGETATIVE COVER**

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATION AND FILL PLACEMENT HAS BEEN COMPLETED AND THE SLOPES ARE GRADED TO A SLOPE NO GREATER THAN 2 TO 1. PROVIDE SLOPE PROTECTION ON ALL CUT SLOPES. TOPSOIL WILL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS. APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F. APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER S.F. WORK LIMESTONE INTO THE SOIL TO A DEPTH OF 4 INCHES. INSPECT SEEDBED BEFORE SEEDING. IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS. APPLY THE FOLLOWING GRASS SEED MIX:

SEED MIXTURE	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.45
CREeping RED FESCUE	20	0.45
PERENNIAL RYEGRASS	5	0.10
	45	1.00

THE RECOMMENDED SEEDING DATES ARE: APRIL 1 - JUNE 15 AND AUGUST 30 - OCTOBER 1

FOLLOWING SEEDING MULCH WITH WEED FREE STRAW AND APPLY A JUTE NETTING COVER TO AREAS OF 3:1 OR GREATER SLOPE

**SEPTIC SYSTEM DESIGN CRITERIA**

PERC RATE: 10-20 MINS/INCH

NUMBER OF BEDROOMS: 3

SEPTIC TANK: 1000 GALLON

LEACHING AREA REQUIRED: 676 SQUARE FEET

LEACHING AREA PROVIDED: 65 L.F. OF ELJEN MANTIS 536-8 LEACHING UNITS @ 11.0 S.F./L.F. = 715 SQ. FT. LEACHING AREA

MOTTLING: 26", LEDGE: 54", WATER: N/A

MLSS CALCULATION: SLOPE: 4.1-6%, RESTRICTIVE LAYER: 26" (HF=34)

3 BEDROOMS (PF=1.5)

PERC. RATE: 10-20 MIN./INCH (PF=1.25)

MLSS = (HF)(PF)(PF) = 34 x 1.5 x 1.25 = 63.75 L.F.

LSS PROVIDED: 65 L.F.

MAXIMUM DEPTH INTO EXISTING GRADE: 6" (48" ABOVE LEDGE)

**SPECIFICATIONS**

SEPTIC SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS".

SEPTIC TANK: 1000 GALLON JOLLEY PRECAST, INC. OR EQUAL TWO-COMPARTMENT TANK WITH OUTLET FILTER. INSTALL RISERS OVER TANK CLEANOUTS IF COVER OVER TANK EXCEEDS 1'.

DISTRIBUTION BOX: JOLLEY OR EQUAL 4 HOLE D-BOX

HOUSE AND EFFLUENT SEWER PIPE: 4" PVC ASTM D 1785, ASTM D 2665, OR ASTM F 1780 SCHEDULE 40 WITH RUBBER COMPRESSION GASKETS OR PVC AWWA C-900 WITH RUBBER COMPRESSION GASKETS.

DISTRIBUTION: SINGLE ROW OF 13 ELJEN MANTIS 536-8 LEACHING UNITS INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

POLYLOK PIPE SEAL AS MANUFACTURED BY SUPERIOR SEPTIC TANKS (OR EQUAL) SHALL BE USED TO SEAL SEPTIC TANK AND D-BOX INLETS AND OUTLETS.

BOTTOM OF TRENCHES TO BE LEVEL.

ALL FILL SHALL BE CLEAN BANK RUN GRAVEL, MEETING THE FOLLOWING REQUIREMENTS OF THE CT DEPT. OF PUBLIC HEALTH:

MAX. PERCENT GRAVEL (PLUS NO. 4 SIEVE MATERIAL) - 45%

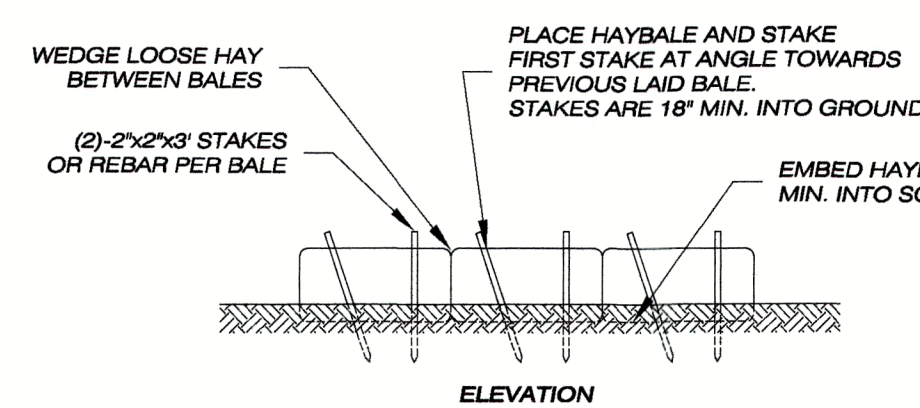
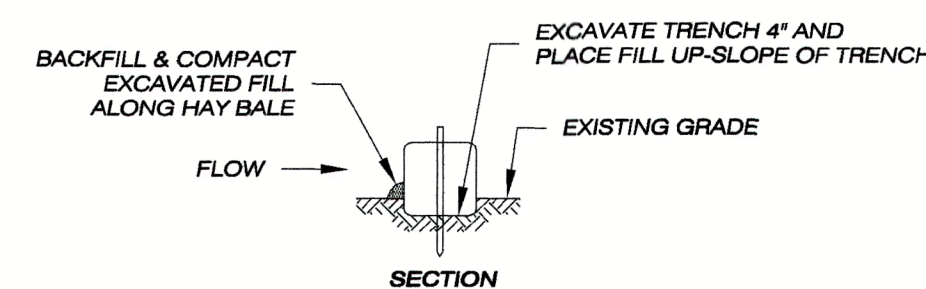
GRADATION ON FILL LESS GRAVEL:

SIEVE NO.	DRY PERCENT PASSING	WET PERCENT PASSING
NO. 4	100	100
NO. 10	70-100	70-100
NO. 40	10-75	10-50
NO. 100	0-5	0-20
NO. 200	0-2.5	0-5

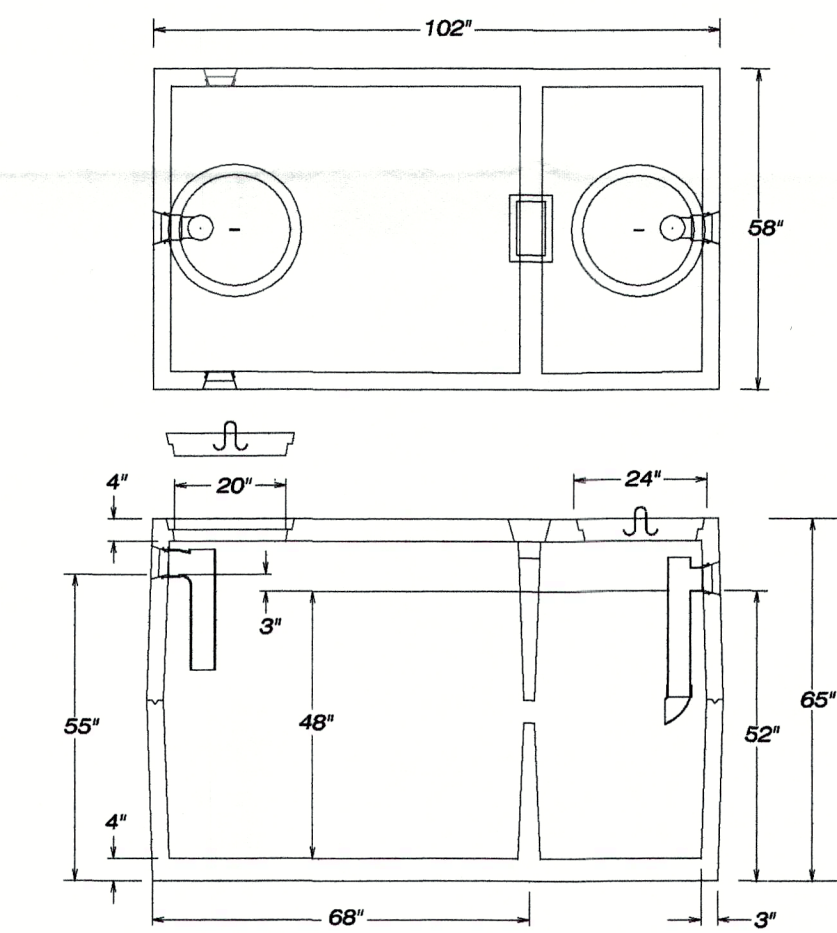
\* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%

FILL MUST PERC AT A RATE EQUAL TO OR FASTER THAN THE UNDERLYING SOIL.

THE HOUSE, WELL, AND SEPTIC SYSTEM LOCATIONS SHALL BE STAKED IN THE FIELD BY A LAND SURVEYOR PRIOR TO THE START OF ANY CONSTRUCTION. THE SURVEYOR SHALL INSTALL A STABLE BENCHMARK DURING STAKEOUT IN AREA OF THE SYSTEM.



**HAY BALE BARRIER DETAIL**  
NOT TO SCALE

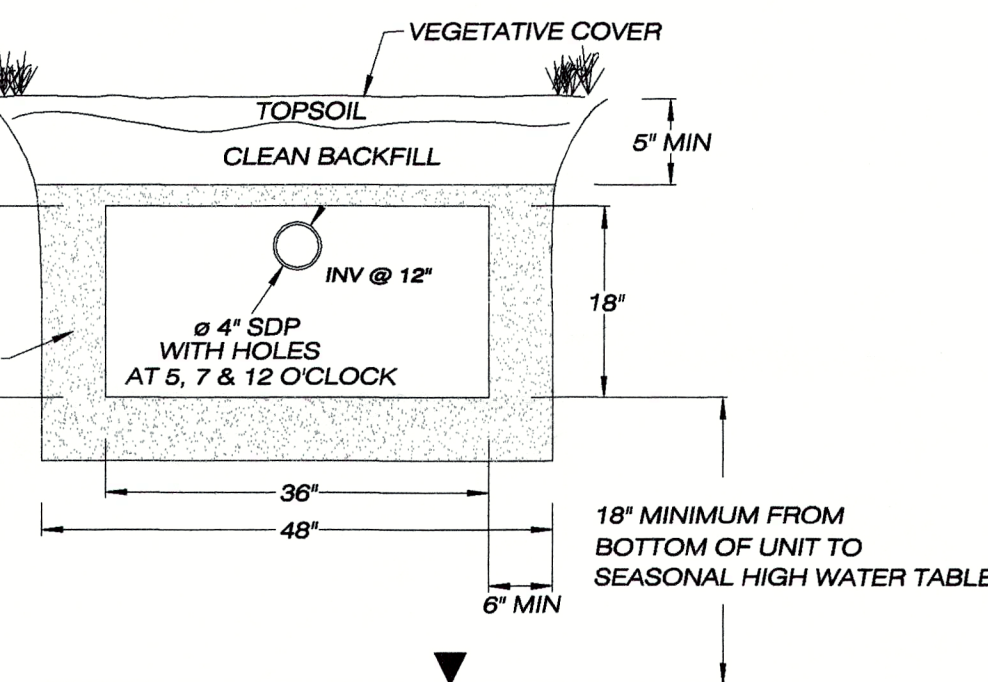


- DESIGN NOTES**
- 1) JOINTS TO BE SEALED WITH BUTYL RUBBER SEALANT
  - 2) INLETS AND OUTLETS TO HAVE STATE-APPROVED SEALS.
  - 3) USE 8" HEAVY DUTY TOP IF SPECIFIED.
  - 4) MUST MEET ASTM C 1227-97A
  - 5) CONCRETE STRENGTH SHALL BE 5000 PSI. MIN. 28 DAYS

**1000 GALLON TWO-COMPARTMENT SEPTIC TANK**  
N.T.S.

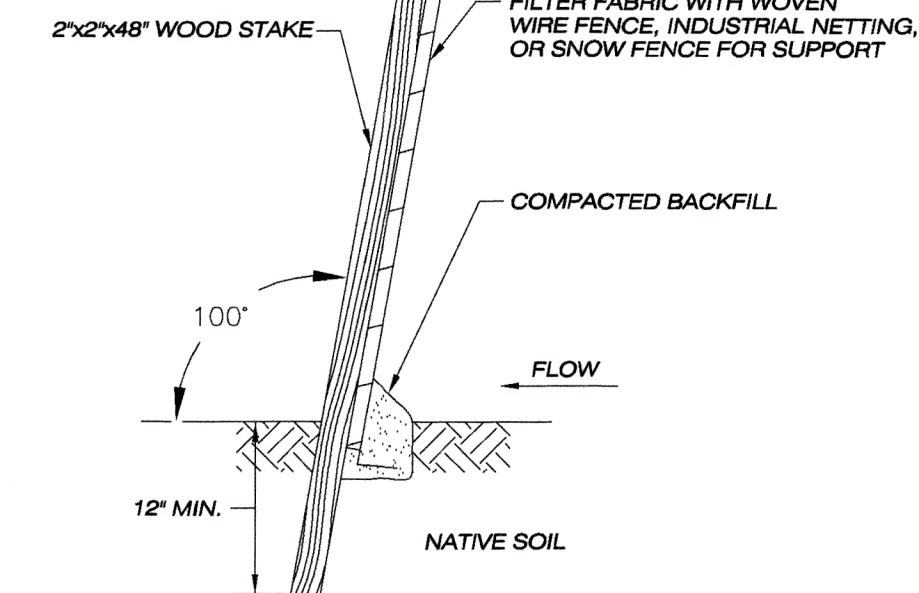
SEPTIC SAND SHALL MEET THE REQUIREMENTS OF ASTM C-38 WITH LESS THAN 10% PASSING A 100 SIEVE AND LESS THAN 5% PASSING A 200 SIEVE

SIEVE SIZE	% PASSING
0.375	100
#4	95-100
#6	90-100
#16	60-85
#30	25-60
#50	10-30
#100	<10
#200	<5

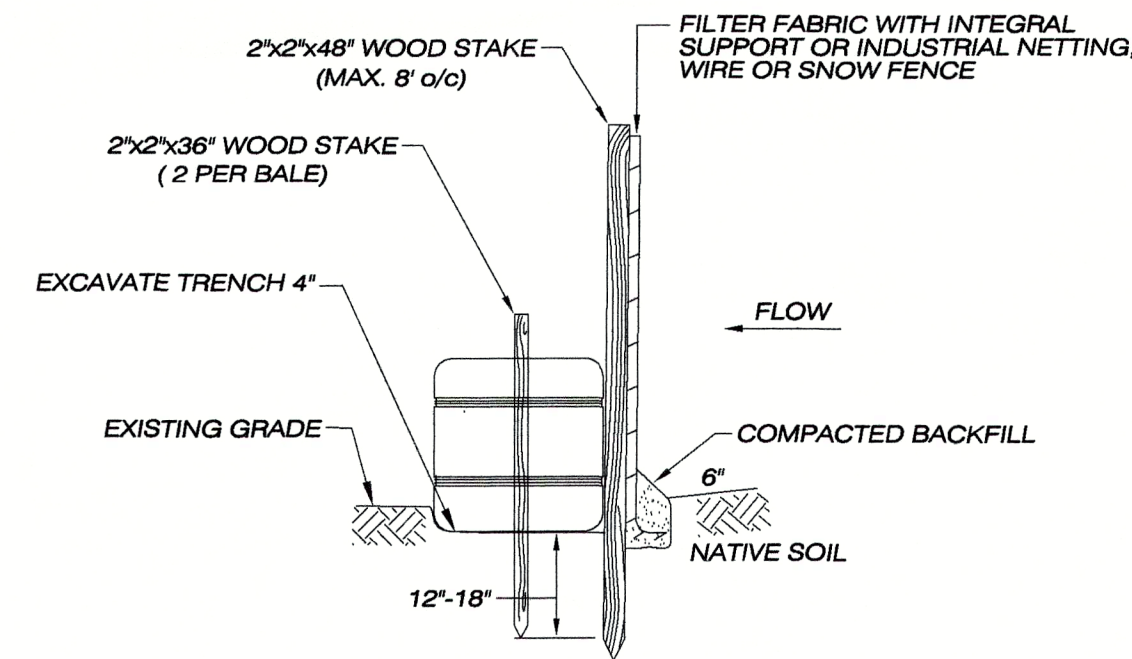


NOTE: VENTING REQUIRED WHEN MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE

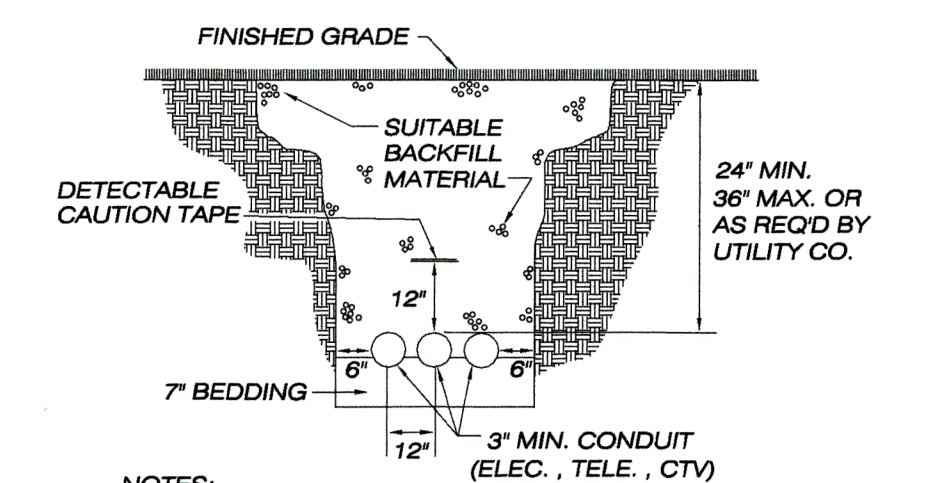
**ELJEN MANTIS 536-8 TRENCH DETAIL**  
NOT TO SCALE



**SILT FENCE SECTION**  
NOT TO SCALE

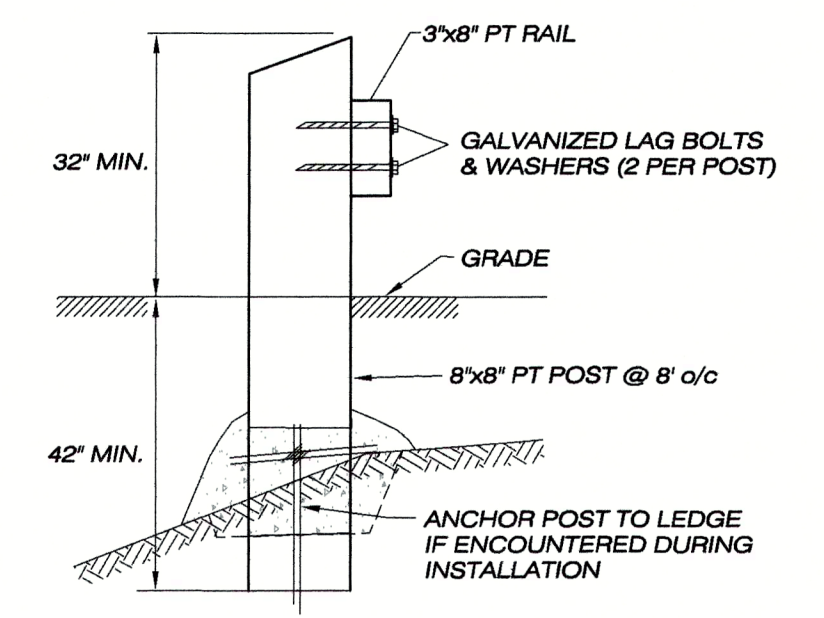


**HAY BALE BACKED SILT FENCE DETAIL**  
NOT TO SCALE

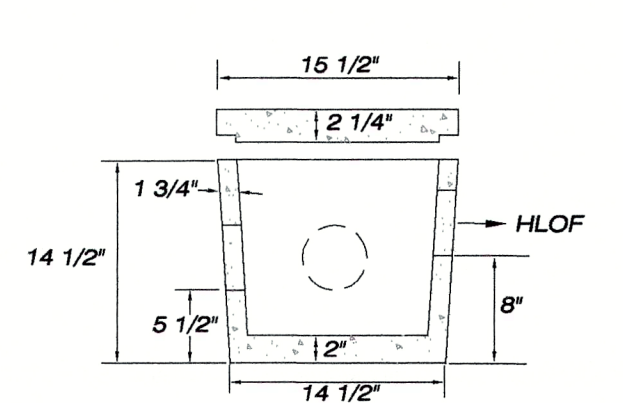


- NOTES:**
1. OSHA STANDARDS REQUIRE THAT SPOILS BE PLACED 24" MIN. FROM EDGE OF TRENCH.
  2. SUITABLE BACKFILL SHALL NOT CONTAIN ASH, CINDER, SHELL, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" MAX. DIMENSION.
  3. FUEL OR WATER LINES SHALL BE NO CLOSER THAN 18" IN ANY DIRECTION.

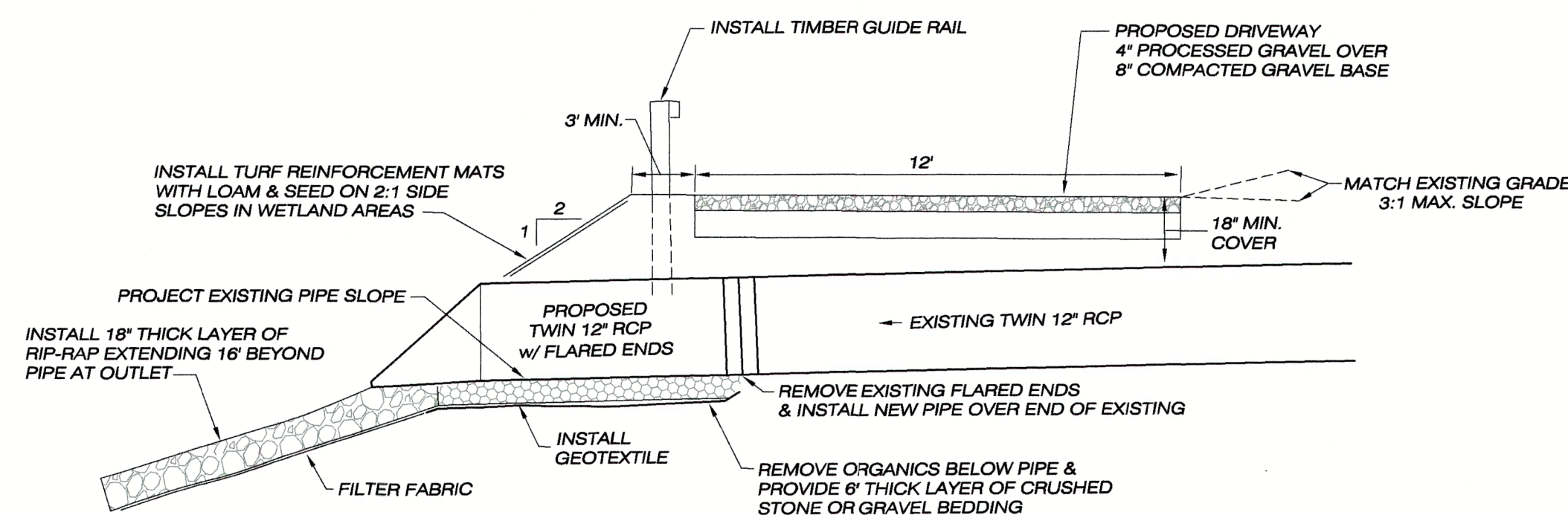
**UTILITY TRENCH DETAIL**  
NOT TO SCALE



**GUIDE RAIL DETAIL**  
NOT TO SCALE



**HLOF DISTRIBUTION BOX**  
N.T.S.



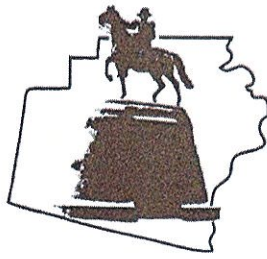
**DRIVEWAY CROSSING DETAIL**  
NOT TO SCALE



**Killingly Engineering Associates**  
114 Westcott Road  
P.O. Box 421  
Dayville, Connecticut 06241  
860 779 7299

*Norman Thibault, Jr.* 9/3/2022  
DATE

<p><b>COMPILATION MAP</b></p> <p><b>LOT 3</b></p> <p><b>EROSION &amp; SEDIMENT CONTROL &amp; CONSTRUCTION DETAILS</b></p> <p>PREPARED FOR</p> <p><b>PASAY DEVELOPMENT, LLC</b></p>		<p>SURVEYING • MAPPING • PLOT PLANS</p> <p>LAND RECORD RESEARCH</p> <p><b>Survey Associates</b></p> <p>email: pcsurvey@snet.net</p> <p>83 SNAKE MEADOW RD KILLINGLY, CT 06239 860 774 6230</p>
<p>WOLF DEN ROAD</p> <p>BROOKLYN, CONNECTICUT</p> <p>DATE: JUNE 2021</p> <p>SCALE: 1" = AS NOTED</p> <p>SHEET NO: 2 OF 2</p> <p>REVISED: 6/9/2022</p>		
<p>JOB NO: 20055</p> <p>F.B. NO: N/A</p>		<p>DRAWN BY: P.A.T.</p> <p>MAP NO:</p>



# Brooklyn Land Use Department

69 South Main Street  
Brooklyn CT 06234  
(860) 779-3411 x 31

Inland Wetlands

Zoning Enforcement

Blight Enforcement

SITE INSPECTION NUMBER

1 2 3 4 5

325 Wolf Den Rd

8/15/22

Address

Date

I met Keith Pasay, inspected and took photographs for the wetlands crossing application.

There are no IWWC issues that are not addressed in the application.

This approval cannot be made by the Duty Authorized Agent, because work in wetlands is proposed.

Commission Representative

M. Washburn

Owner or Authorized Signature







September 7, 2022

Ms. Margaret Washburn  
Wetlands Enforcement Officer  
Town of Brooklyn, Connecticut  
69 South Main Street, Suite 23  
Brooklyn, CT 06234

**Re: Application # IWWC 22-004 / Pasay Development, LLC  
253 Wolf Den Road – Driveway Wetlands Crossing**

Dear Ms. Washburn:

Please present this letter to the Brooklyn IWC at your September meeting. My Name is Nicole M. Garbutt and I reside at and own 255 Wolf Den Road. My property abuts the applicant on the Western and Northern boundaries. The applicant and I are in a boundary dispute that is in litigation. Specifically, as it pertains to the Northern boundary where the applicant is proposing a driveway and wetland crossing.

For this reason, I would ask that the commission table this application until this matter has been litigated and all appeals exhausted. As such, it would probably be more appropriate for the applicant to withdraw their application and resubmit it once they have clear title. I am represented by Attorney Mark Shipman of Shipman, Shaiken, & Schwefel, LLC in West Hartford, CT.

Very truly yours,



Nicole M. Garbutt  
255 Wolf Den Road  
Brooklyn, CT 06234

Cc: M. Shipman, Esq.  
File



**SUMMONS - CIVIL**

JD-CV-1 Rev. 2-22  
C.G.S. §§ 51-346, 51-347, 51-349, 51-350, 52-45a, 52-48, 52-259;  
P.B. §§ 3-1 through 3-21, 8-1, 10-13

For information on  
ADA accommodations,  
contact a court clerk or  
go to: [www.jud.ct.gov/ADA](http://www.jud.ct.gov/ADA).

STATE OF CONNECTICUT  
**SUPERIOR COURT**  
[www.jud.ct.gov](http://www.jud.ct.gov)



Instructions are on page 2.

- Select if amount, legal interest, or property in demand, not including interest and costs, is LESS than \$2,500.
- Select if amount, legal interest, or property in demand, not including interest and costs, is \$2,500 or MORE.
- Select if claiming other relief in addition to, or in place of, money or damages.

TO: Any proper officer

By authority of the State of Connecticut, you are hereby commanded to make due and legal service of this summons and attached complaint.

Address of court clerk (Number, street, town and zip code) <b>155 Church Street, Putnam, CT 06260</b>	Telephone number of clerk <b>( 860 ) 928 - 7749</b>	Return Date (Must be a Tuesday) <b>09/20/2022</b>
--	--	--

<input checked="" type="checkbox"/> Judicial District	G.A. Number: _____	At (City/Town) <b>Putnam</b>	Case type code (See list on page 2) Major: <b>P</b> Minor: <b>90</b>
---	--------------------	---------------------------------	---

**For the plaintiff(s) enter the appearance of:**

Name and address of attorney, law firm or plaintiff if self-represented (Number, street, town and zip code) <b>Ernest J. Cotnoir, PO Box 187, Putnam, CT 06260</b>	Juris number (if attorney or law firm) <b>305331</b>
---	---

Telephone number <b>( 860 ) 928 - 9694</b>	Signature of plaintiff (if self-represented)
---	--

The attorney or law firm appearing for the plaintiff, or the plaintiff if self-represented, agrees to accept papers (service) electronically in this case under Section 10-13 of the Connecticut Practice Book. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	E-mail address for delivery of papers under Section 10-13 of the Connecticut Practice Book (if agreed)
---	--

Parties	Name (Last, First, Middle Initial) and address of each party (Number; street; P.O. Box; town; state; zip; country, if not USA)	
First plaintiff	Name: <b>Pasay Development, LLC, a Connecticut limited liability company</b> Address: <b>162 Main Street, Danielson, CT 06239</b>	P-01
Additional plaintiff	Name: Address:	P-02
First defendant	Name: <b>Garbutt, Nicole</b> Address: <b>255 Wolf Den Road, Brooklyn, CT 06234</b>	D-01
Additional defendant	Name: Address:	D-02
Additional defendant	Name: Address:	D-03
Additional defendant	Name: Address:	D-04

Total number of plaintiffs: <b>1</b>	Total number of defendants: <b>1</b>	<input type="checkbox"/> Form JD-CV-2 attached for additional parties
--------------------------------------	--------------------------------------	---

**Notice to each defendant**

1. You are being sued. This is a summons in a lawsuit. The complaint attached states the claims the plaintiff is making against you.
2. To receive further notices, you or your attorney must file an *Appearance* (form JD-CL-12) with the clerk at the address above. Generally, it must be filed on or before the second day after the Return Date. The Return Date is not a hearing date. You do not have to come to court on the Return Date unless you receive a separate notice telling you to appear.
3. If you or your attorney do not file an *Appearance* on time, a default judgment may be entered against you. You can get an *Appearance* form at the court address above, or on-line at <https://jud.ct.gov/webforms/>.
4. If you believe that you have insurance that may cover the claim being made against you in this lawsuit, you should immediately contact your insurance representative. Other actions you may take are described in the Connecticut Practice Book, which may be found in a superior court law library or on-line at <https://www.jud.ct.gov/pb.htm>.
5. If you have questions about the summons and complaint, you should talk to an attorney.

The court staff is not allowed to give advice on legal matters.

Date <b>07/29/2022</b>	Signed (Sign and select proper box) 	<input checked="" type="checkbox"/> Commissioner of Superior Court <input type="checkbox"/> Clerk	Name of person signing <b>Ernest J. Cotnoir</b>
---------------------------	---	--	--

- If this summons is signed by a Clerk:
- a. The signing has been done so that the plaintiff(s) will not be denied access to the courts.
  - b. It is the responsibility of the plaintiff(s) to ensure that service is made in the manner provided by law.
  - c. The court staff is not permitted to give any legal advice in connection with any lawsuit.
  - d. The Clerk signing this summons at the request of the plaintiff(s) is not responsible in any way for any errors or omissions in the summons, any allegations contained in the complaint, or the service of the summons or complaint.

For Court Use Only
File Date 
<b>A TRUE AND ATTESTED COPY</b>
<b>KATHLEEN DOHERTY</b> STATE MARSHAL STATE OF CONNECTICUT

I certify I have read and understand the above:	Signed (Self-represented plaintiff)	Date	Docket Number
---	-------------------------------------	------	---------------



**PUBLIC HEARING NOTICE**  
WETLANDS COMMISSION  
**OCT. 11, 2022 AT 6:00 PM**  
69 SO. MAIN ST., BROOKLYN  
IWWC22-004 - MEETING INFO  
AT WWW.BROOKLYNCT.ORG

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**TOWN OF BROOKLYN  
INLAND WETLANDS AND WATERCOURSES COMMISSION  
NOTICE OF PUBLIC HEARING**

The Brooklyn Inland Wetlands and Watercourses Commission will hold a public hearing on Tuesday, October 11, 2022, at 6:00 p.m. via Zoom and in-person at the Clifford B. Green Memorial Center, 69 South Main Street Brooklyn, CT on the following:

**IWWC 22-004 - 253 Wolf Den Road - Map 17 Lot 32-3 – Pasay Development. Installation of driveway across wetlands to access house site in previously approved subdivision.**

A copy of this application will be available for review on the Town of Brooklyn website, Town Clerk office and at the Land Use office. All interested parties may attend the meeting, be heard and written correspondence received. Written correspondence may be submitted in advance of the meeting to the Town Wetland Agent at [m.washburn@brooklynct.org](mailto:m.washburn@brooklynct.org) or at 69 South Main Street Brooklyn, CT 06234.



ABUTTERS LIST – PASAY DEVELOPMENT - 253 WOLF DEN ROAD

MAP 17, LOT 32-5  
NICOLE GARBUTT  
255 WOLF DEN ROAD, BROOKLYN, CT 06234

MAP 17, LOT 32-2  
RANDY P. & MARGARET M. SCHLEGEL  
83 SQUAW ROCK ROAD, PLAINFIELD, CT 06354

MAP 17, LOT 32-4  
DAVID LABOSSIERE  
PO BOX 27, DANIELSON, CT 06239

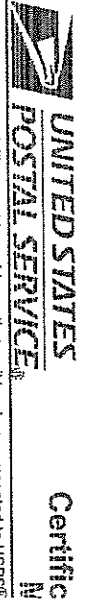
MAP 17, LOT 31  
WAYNE M. PAQUETTE  
16 LAUREL HILL ROAD, BROOKLYN, CT 06234

MAP 17, LOT 31A  
STEVEN G. & ELIZABETH A. RICE  
PO BOX 174, BROOKLYN, CT 06234

MAP 17, LOT 28  
HEATHER L. BLANCHARD  
250 WOLF DEN ROAD, BROOKLYN, CT 06234

MAP 17, LOT 29A  
JOSEPH E. & MARY JANE COOPER  
99 COSTELLO ROAD, BROOKLYN, CT 06234

MAP 17, LOT 30  
WINDHAM COUNTY SOIL CONSERVATION DISTRICT, INC.  
139 WOLF DEN ROAD  
BROOKLYN, CT 06234



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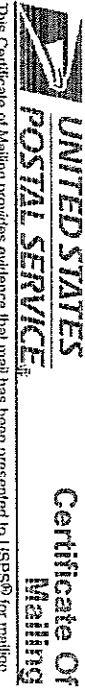
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To:

WINDHAM COUNTY SOIL CONSERVATION DISTRICT,

139 WOLF DEN ROAD

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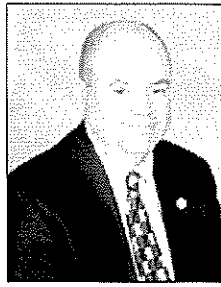
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 E-mail [sja@sjalawyer.com](mailto:sja@sjalawyer.com) • [www.sjalawyer.com](http://www.sjalawyer.com)

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*Attorney Adams has over 30 years of experience in the General Practice of Law and all of the above areas.*

### TOWN OF BROOKLYN INLAND WETLANDS AND WATERCOURSES COMMISSION PUBLIC HEARING NOTICE

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A copy of the application is available for review.

All interested parties may attend the meeting, be heard and written correspondence received.

Richard Oliverson, Chairman T

Hours:  
 Thurs.-Sat. 11-5  
 Sun. 11-4

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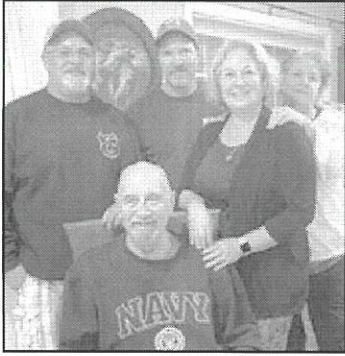
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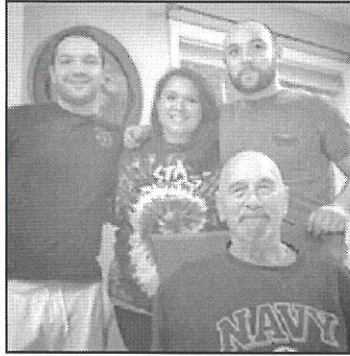
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 Cell: (860) 234-1324 §

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### TOWN OF BROOKLYN INLAND WETLANDS AND WATERCOURSES COMMISSION PUBLIC HEARING NOTICE

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A copy of the application is available for review.

All interested parties may attend the meeting, be heard and written correspondence received.

Richard Oliverson, Chairman

B#3591

## Carpenter Ants • Termites

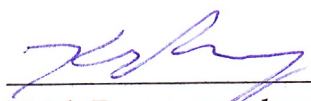


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As per section 7.5.i and 7.5.j of the Brooklyn Inland Wetlands and Watercourses Regulations, I, Keith Pasay, member of Pasay Development, LLC, am familiar with all the information provided for wetland application IWWC 22-004 and am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information. I also grant authorization for the members and agents of the Brooklyn Inland Wetlands and Watercourses Commission to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

  
\_\_\_\_\_  
Keith Pasay, member

10/5/22  
Date

# NORTHEASTERN CONNECTICUT COUNCIL OF GOVERNMENTS

## ENGINEERING REVIEW PERTAINING TO A PROPOSED DRIVEWAY CROSSING A WETLAND (ASSESSOR'S MAP 17, LOT 32-3) WOLF DEN DRIVE BROOKLYN, CT (October 5, 2022)

The comments contained herein pertain to my review of plans and supporting documentation for IWWC Wetlands Application No. 22-004, which is for the construction of a driveway across a wetland to access a house on a previously approved residential subdivision. The plans, created by PC Survey Associates, LLC and engineering design by Killingly Engineering Associates, labeled as "General Location Survey" (Sheet 1 of 2) and "Compilation Plan" (Sheet 2 of 2)," each dated June 21, 2021 with revision date of June 9, 2022, was the main focus of my review.

### Sheet 1 of 2 – General Location Survey

1. Extending the existing twin 12" reinforced concrete pipe (RCP) culvert pipes do not require updated drainage calculations because it is assumed that the original culverts were evaluated when the subdivision that this property is part of was approved and the additional culverts installed at the same slope will not change the hydraulic characteristics of them.

### Sheet 2 of 2 – Compilation Plan

2. The title of this plan should be "Notes and Details" rather than "Compilation Plan," as the information contained therein has nothing to do with a survey compilation plan.

I have no other comments regarding the plans and except for the need for a change in the title of the plan on Sheet 2 of 2. Therefore, I consider the plans satisfactory and the impact to the wetlands negligible.

By:  P.E.  
Syl Pauley, Jr., P.E., NECCOG Regional Engineer

Brooklyn IWWC

October 21, 2022 Sitewalk Minutes

5:00 PM

Site walk location: 253 Wolf Den Rd, Map 17, Lot 32-3; #22-004; Pasay Development LLC

Members present: Richard Oliverson, Adam Brindamour, Adam Tucker, Demian Sorrentino, James Paquin

Others present: Keith Pasay, Pasay Development LLC; Janet Booth, Resident; Peter Joyce, Resident; Patricia McAnany, Resident

Meeting started: 5:00 PM


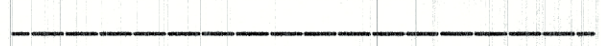
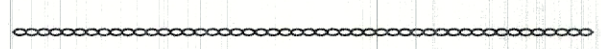







Mr. Pasay escorted the members onto the property to show the location of the proposed activity. The members viewed the area of proposed activity: Installation of driveway across wetland to access house site on previously approved subdivision lot.

Meeting ended: 5:13 PM

Respectfully submitted,

James Paquin, Member Brooklyn IWWC

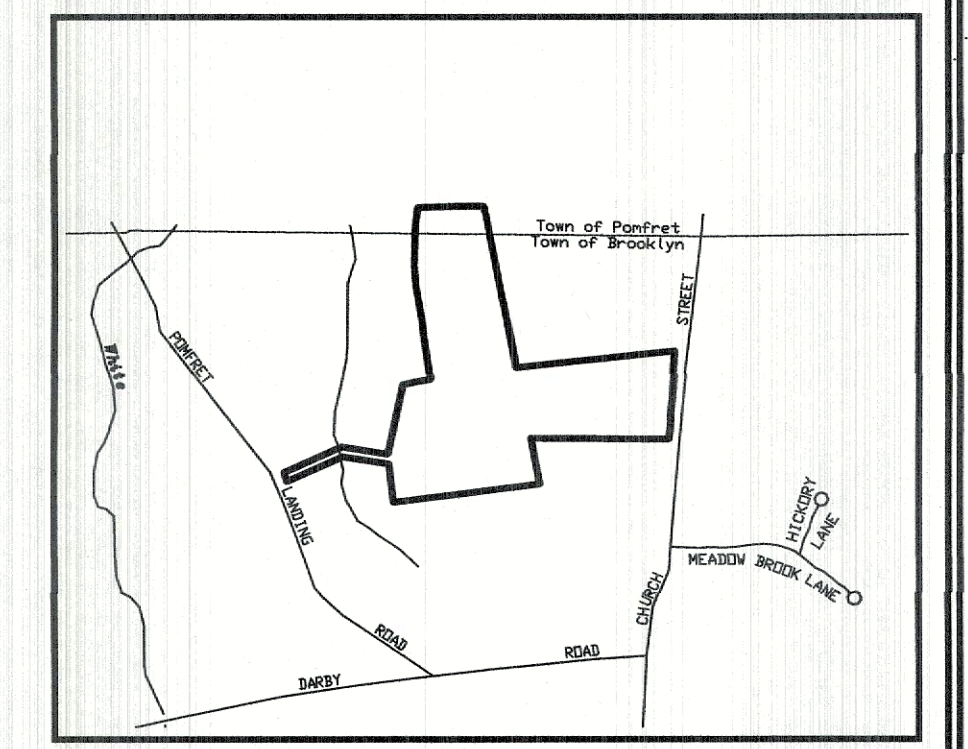
**LEGEND**

-  PROPERTY LINE
-  EASEMENT
-  STONEWALL
-  STONEWALL REMAINS
-  WETLANDS FLAG
-  IRON PIN
-  DRILL HOLE
-  MONUMENT
-  PROPERTY POINT
-  UTILITY POLE



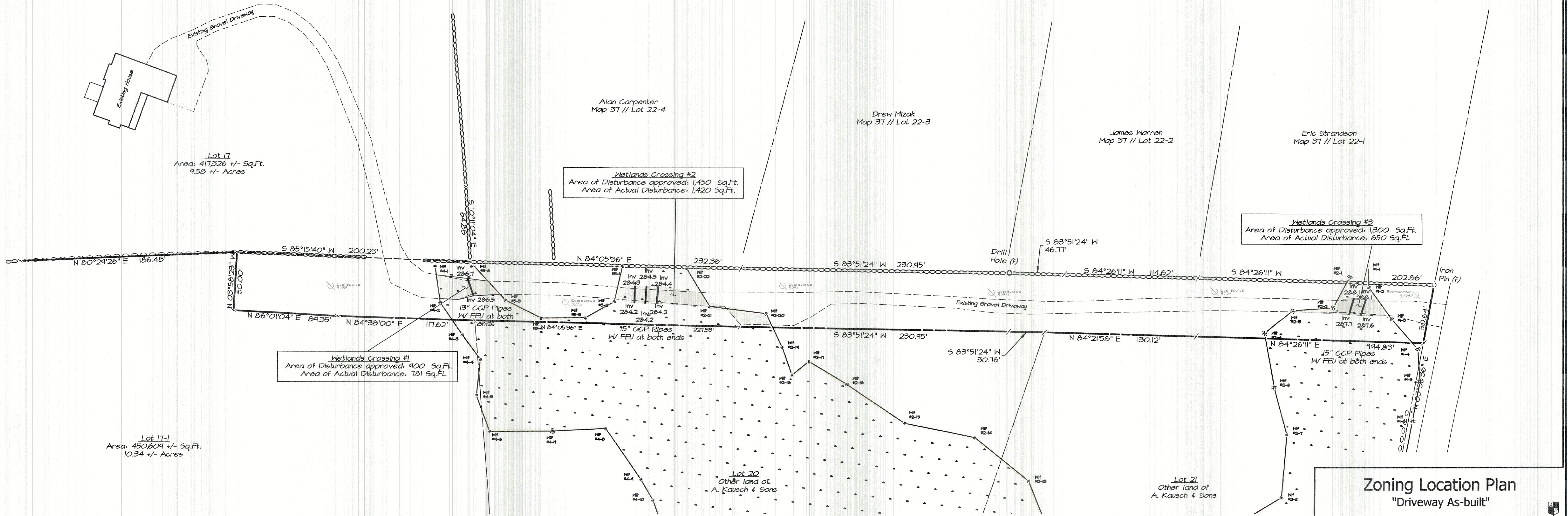
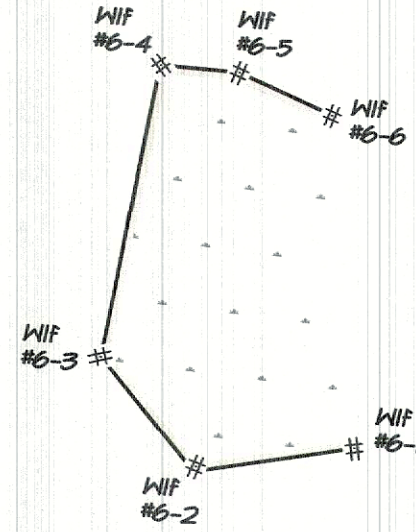
**Notes**

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996
  - This Survey conforms to a Class "A-2" Horizontal Accuracy
  - Survey Type: Zoning Location Plan
  - Boundary Determination: Resurvey
  - Intent: Driveway As-built
2. Parcels shown as lots 17, 20 and 21 on Assessors Tax Map 37 of the Brooklyn Assessors Office



**Location Map**

SCALE  
1000 0 1000  
1" = 1000 FT



**Wetlands Crossing #1**  
Area of Disturbance approved: 900 Sq.Ft.  
Area of Actual Disturbance: 781 Sq.Ft.

**Wetlands Crossing #2**  
Area of Disturbance approved: 1,450 Sq.Ft.  
Area of Actual Disturbance: 1,420 Sq.Ft.

**Wetlands Crossing #3**  
Area of Disturbance approved: 1,300 Sq.Ft.  
Area of Actual Disturbance: 650 Sq.Ft.

**Lot 17-1**  
Area: 450,609 +/- Sq.Ft.  
10.34 +/- Acres

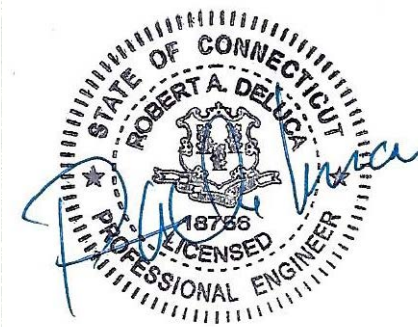
**Lot 17**  
Area: 417,326 +/- Sq.Ft.  
9.58 +/- Acres

**Lot 20**  
Other land of  
A. Kausch & Sons

**Lot 21**  
Other land of  
A. Kausch & Sons

On 10/7/22, we inspected the installed driveway for this site along with the 3 areas of wetland pipe crossings. In addition, we reviewed this driveway as-built plan prepared by Archer Surveying dated September 2, 2022, revised October 26, 2022.

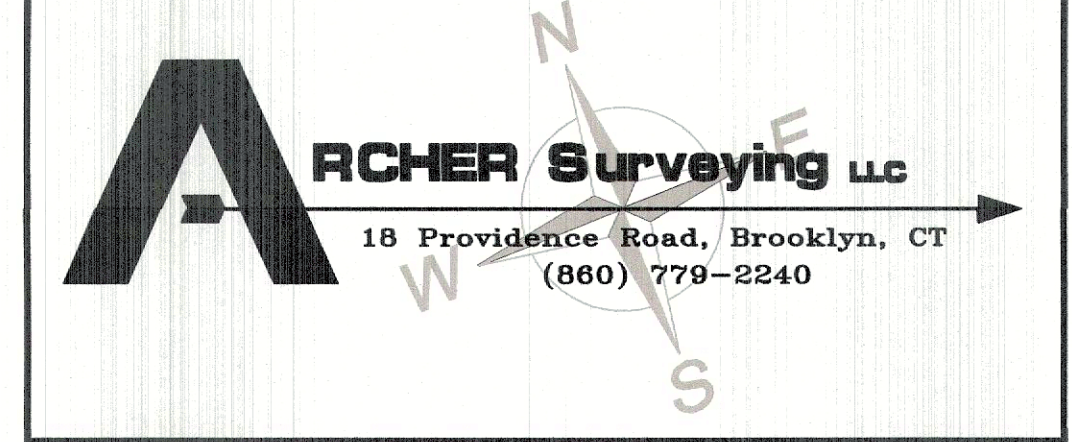
We find that the installation work was performed substantially in accordance with our design plan. We also find that the as-built plan substantially reflects the proposed design installation.



To My Knowledge and Belief this Map is substantially Correct as noted hereon  
  
 Paul M. Archer L.L.S. #10053  
 Date: 10-27-22

**Zoning Location Plan**  
"Driveway As-built"  
Prepared For:  
A. Kausch & Sons LLC  
Church Street & Pomfret Landing  
Brooklyn, Connecticut

DRAWING SCALE: 1"=80'  
0 80 160



**LEGEND**

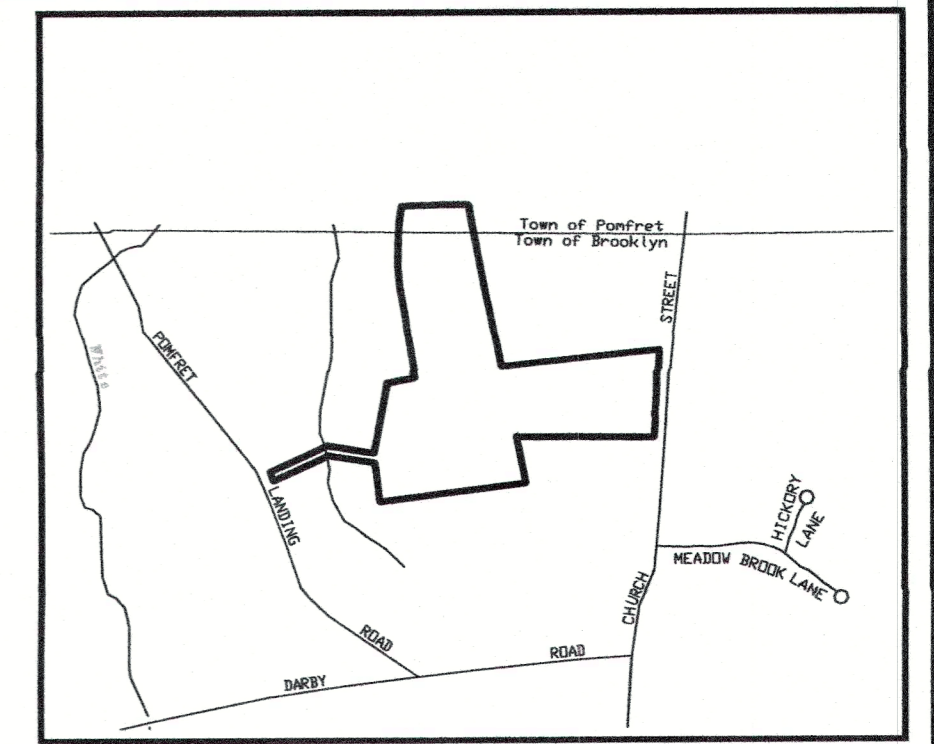
- PROPERTY LINE
- - - - - EASEMENT
- ..... STONEWALL
- ..... STONEWALL REMAINS
- IRON PIN
- DRILL HOLE
- ▲ MONUMENT
- PROPERTY POINT
- CLIP  
1645 UTILITY POLE



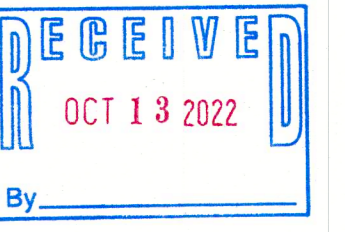
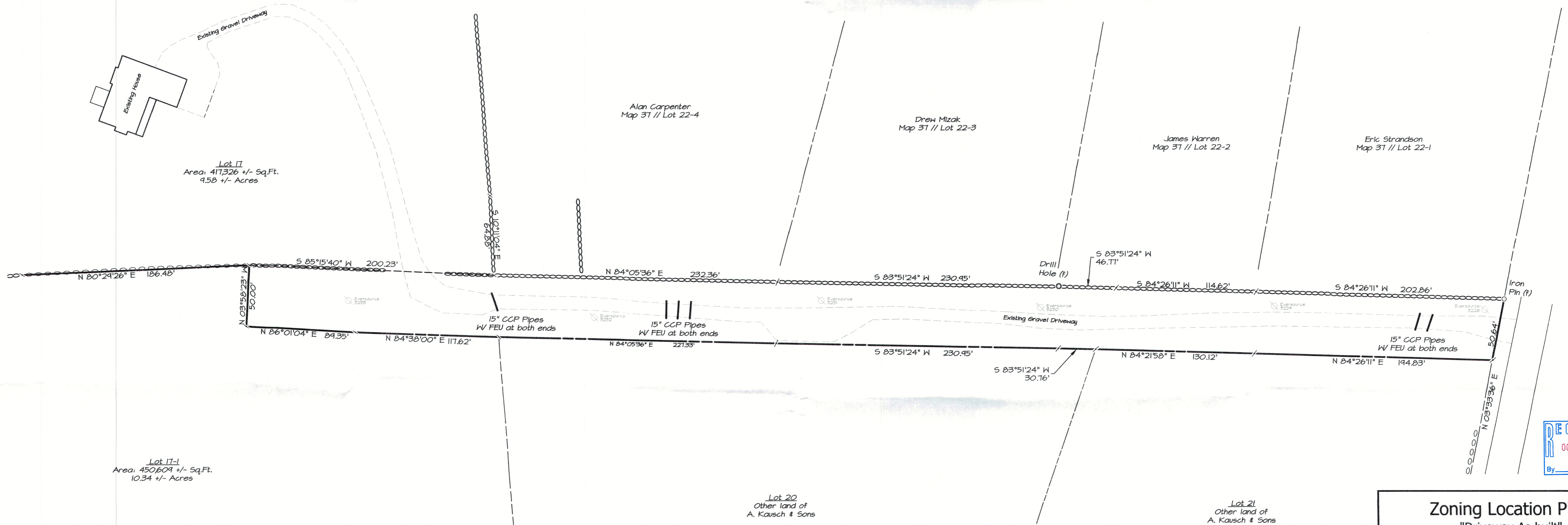
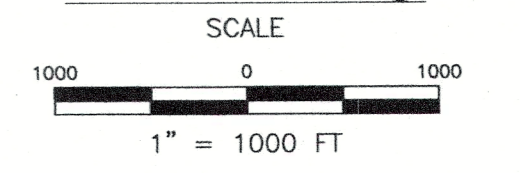
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  - Survey Type: Zoning Location Plan
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  - Intent: Driveway As-built
2. Parcels shown as lots 17, 20 and 21 on Assessors Tax Map 37 of the Brooklyn Assessors Office

N.T.S.

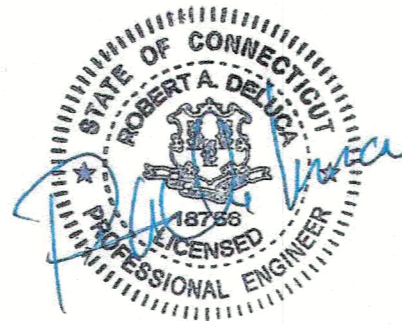


**Location Map**



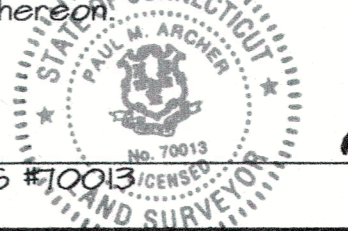
On 10/7/22, we inspected the installed driveway for this site along with the 3 areas of wetland pipe crossings. In addition, we reviewed this driveway as-built plan prepared by Archer Surveying and dated September 2, 2022

We find that the installation work was performed substantially in accordance with our design plan. We also find that the as-built plan substantially reflects the proposed design installation.



To My Knowledge and Belief, This Map is substantially correct as noted hereon.

*Paul M. Archer*  
 Paul M. Archer LLS #70013  
 Date: 10-12-22



**Zoning Location Plan**  
 "Driveway As-built"

Prepared For:  
**A. Kausch & Sons LLC**  
 Church Street & Pomfret Landing  
 Brooklyn, Connecticut

DRAWING SCALE: 1"=80'

**ARCHER Surveying LLC**  
 18 Providence Road, Brooklyn, CT  
 (860) 779-2240

Sheet No. 1 OF 1    Project No. 2135    Date: September 2, 2022



# CLA Engineers, Inc.

Civil • Structural • Survey

317 MAIN STREET

NORWICH, CT 06360

(860) 886-1966

(860) 886-9165 FAX

October 7, 2022

Margaret Washburn, MS, RPSS  
Zoning & Wetland Enforcement Officer  
Town of Brooklyn  
69 South Main Street  
Suite 22  
Brooklyn, CT 06234

RE: Church Street Site Development  
Church Street, Brooklyn CT  
CLA-6639

Dear Margaret:

On 10/7/22, we inspected the installed driveway for the above referenced project along with the 3 areas of wetland pipe crossings. In addition we reviewed the driveway as-built plan prepared by Archer Surveying and dated September 2, 2022 and entitled "Zoning Location Plan – Driveway As-built prepared for A. Kausch & Sons, LLC, Church Street & Pomfret Landing, Brooklyn, CT".

We find that the installation work was performed substantially in accordance with our design plan. We also find that the as-built plan substantially reflects the proposed design installation.

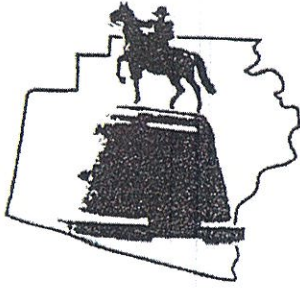
Please contact me if you have any questions.

Sincerely,



Robert A. DeLuca, P.E.





## TOWN OF BROOKLYN

69 South Main Street • Suite 22  
BROOKLYN, CONNECTICUT 06234  
860-779-3411 Ext. 12

### WETLANDS PERMIT #071321A

CERTIFIED#

9489 0090 0027 6215 8991 76

A. Kausch and Sons  
15 Beach View Rd Ext  
Voluntown, CT 06384

September 15, 2021

RE: 071321A A. Kausch & Sons, Pomfret Landing Road/Church Street, Map 37, Lot 17 and Map 37 Lot 20/21, Wetlands crossings for driveway, 2 residential homes, septic systems, wells, minor grading.

Dear A. Kausch and Sons:

At the September 14, 2021 meeting of the Inland Wetland and Watercourse Commission your application 071321A A. Kausch & Sons, Pomfret Landing Road/Church Street, Map 37, Lot 17 and Map 37 Lot 20/21, Wetlands crossings for driveway, 2 residential homes, septic systems, wells, minor grading was approved with the following conditions:

- At least ten days prior to start of construction, call the Brooklyn Wetlands Agent at (860)779-3411 ext. 31 to schedule a pre-construction meeting to be attended by Town staff, the property owner, the project engineer and the site contractor.
- Submit revised site plans showing two additional 15-inch pipes, one at wetland crossing 2 and one at wetland crossing 3.
- Submit revised plans showing a detailed construction sequence.
- After the driveway and wetland crossings have been constructed, submit an as-built plan stamped and signed by the project engineer to verify the square feet of wetlands alteration.
- Call the Brooklyn Wetlands Agent for an inspection at (860) 779-3411 ext. 31 when the sediment controls have been installed, prior to commencing any other work.
- Standard Conditions.

A legal notice of this approval was published on the Town of Brooklyn's Website, [brooklynct.org](http://brooklynct.org), Inland Wetlands page, under minutes/notice of action on 9/16/21 and published in the Villager Newspaper on 9/24/21. Please note that this action of the Inland Wetlands and Watercourses Commission may be appealed for a fifteen-day period following the publication of the legal notice.

If you have any questions, please feel free to call me at 860-779-3411 Extension 31.

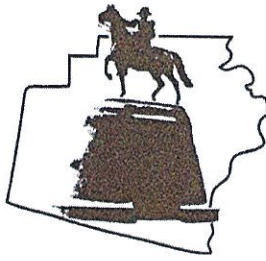
Sincerely,

*Margaret Washburn*

Margaret Washburn, M.S., R.P.S.S

Enforcement Officer for the Brooklyn Inland Wetlands and Watercourses Commission

CC: File, CLA Engineers, Archer Surveying



# Brooklyn Land Use Department

69 South Main Street  
Brooklyn CT 06234  
(860) 779-3411 x 31

Inland Wetlands

Zoning Enforcement

Blight Enforcement

SITE INSPECTION NUMBER

1 2 3 4 5

Kausch driveway #409#411

11/2/22

Address

Date

I met Syl Pauley, inspected and took photographs.

The wetlands filled for the passing area should not have been filled. This filling was not shown on the approved driveway plan.

The wetlands filled southwest of the last pipe under the driveway should not have been filled. This filling was not shown on the approved driveway plan. There is only 9" of fill over the third (westernmost) pipe in the middle crossing.

Commission Representative

M. Washburn

Owner or Authorized Signature



1



2



3

← North side of  
 crossing closest  
 to Church St.  


---

 South side of  
 same crossing  
 ←

4



Stock piling Area



5



6

Passing area

This and constructed  
in wetlands  
unnecessarily,



8



7

9



Stumps + logs thrown in wetlands at passing area



10





11

North side of  
middle crossing



13



12

15



14



South side of  
middle crossing

16



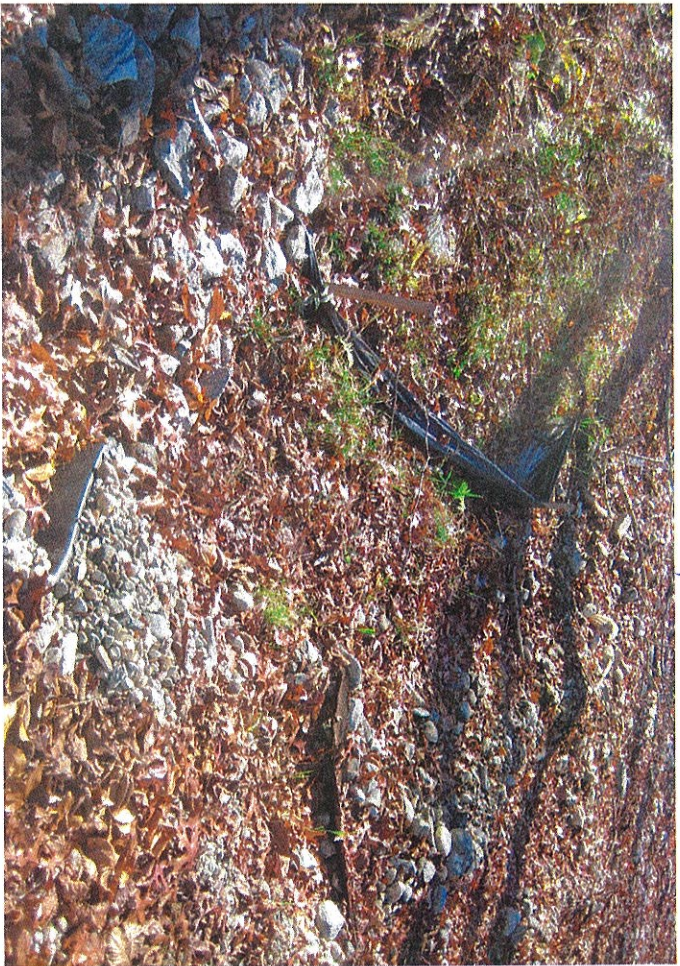
18



Tape measured 9" of fill over third pipe in middle crossing (westernmost pipe)

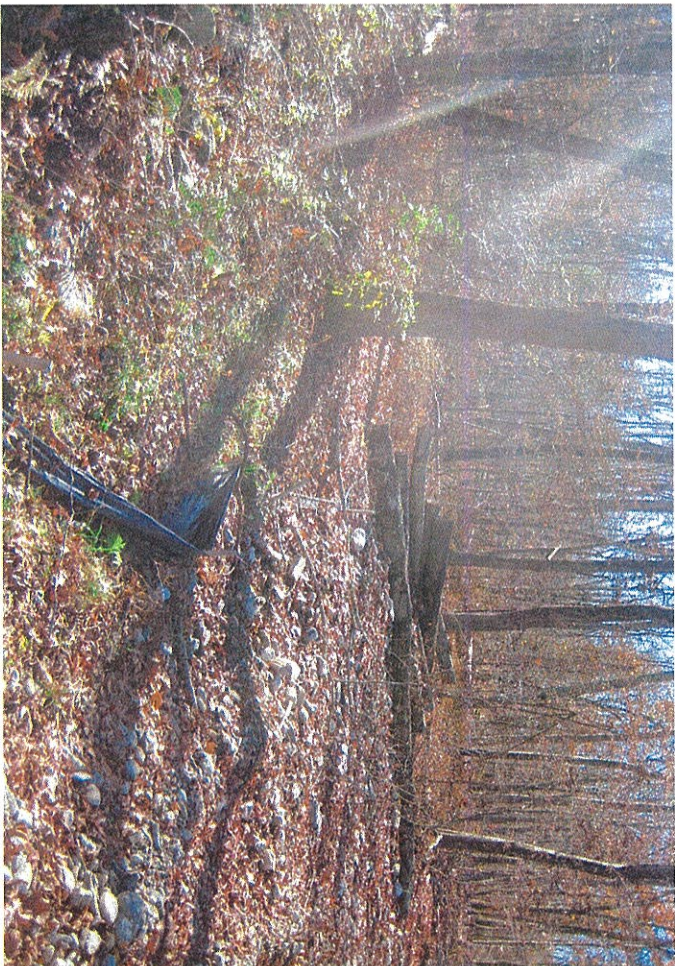


17

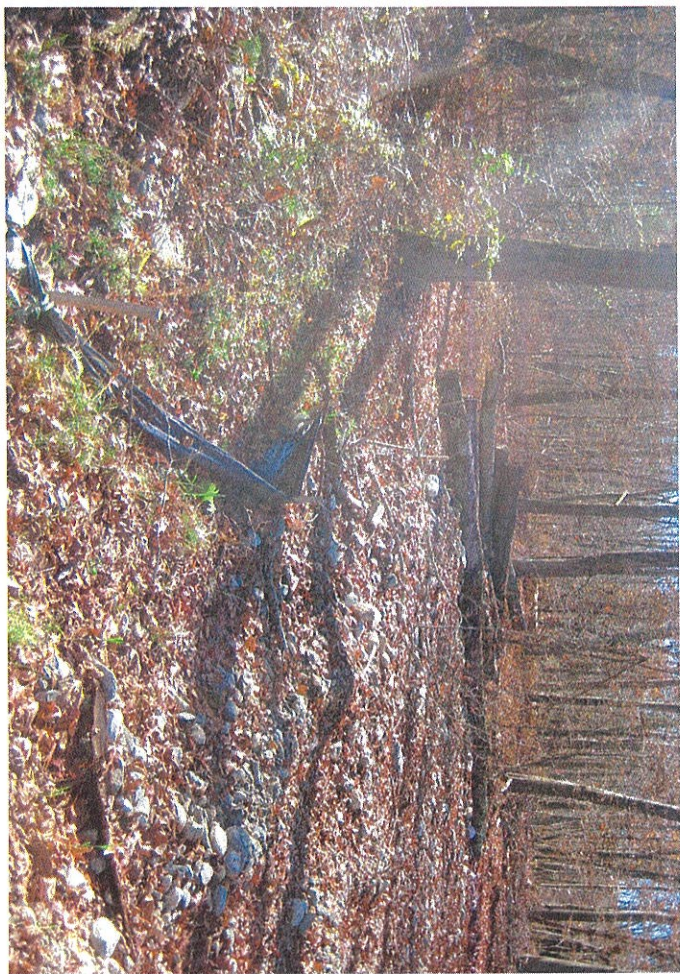


19

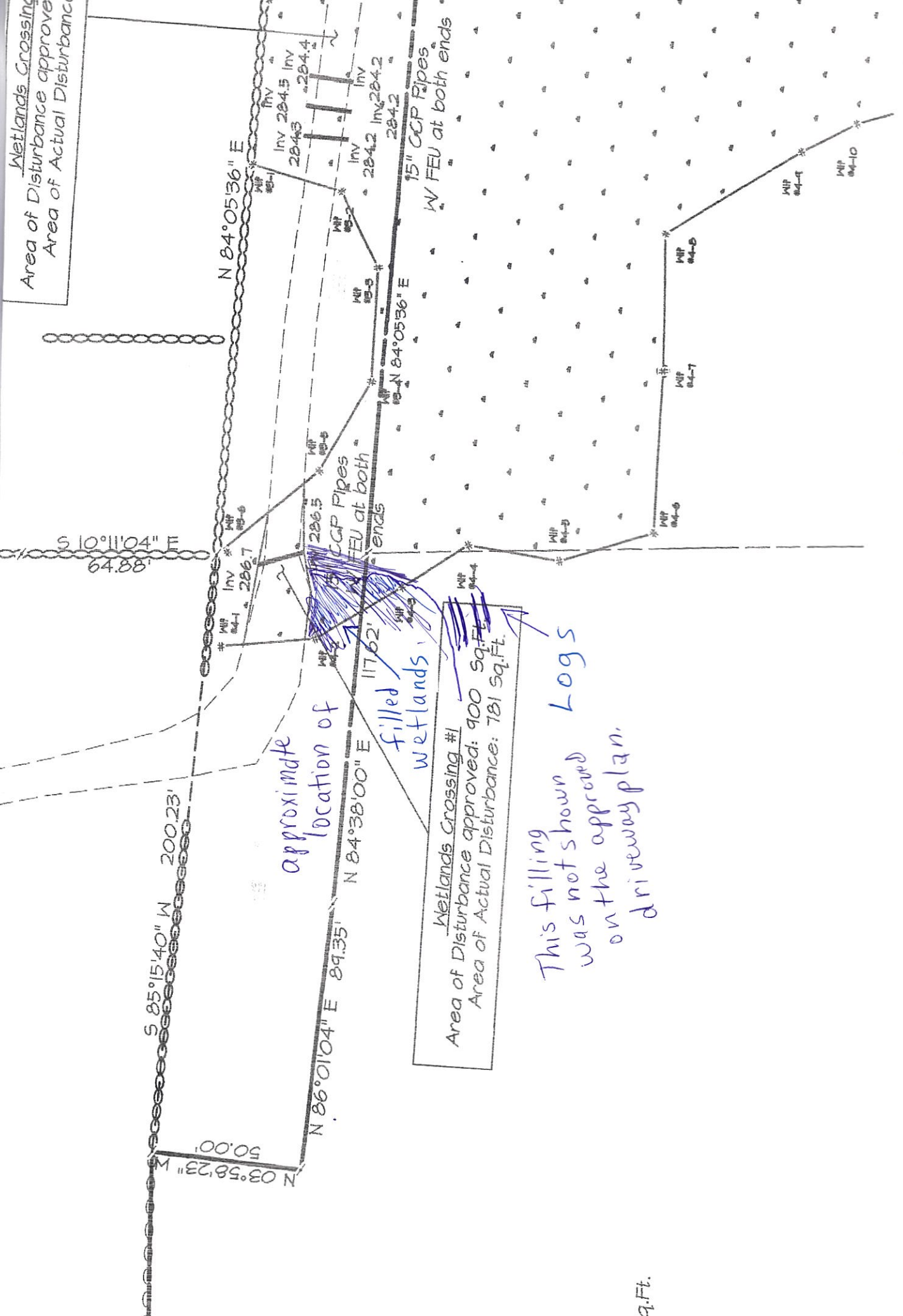
Wetlands filled but not shown on either as-built plan. Photo 19 taken from the last pipe (westernmost) under the driveway, facing southwest.



21



26



Wetlands Crossing  
 Area of Disturbance approved: 900 Sq.Ft.  
 Area of Actual Disturbance: 781 Sq.Ft.

approximate location of  
 15" CCP Pipes  
 W/ FEU at both ends

filled wetlands

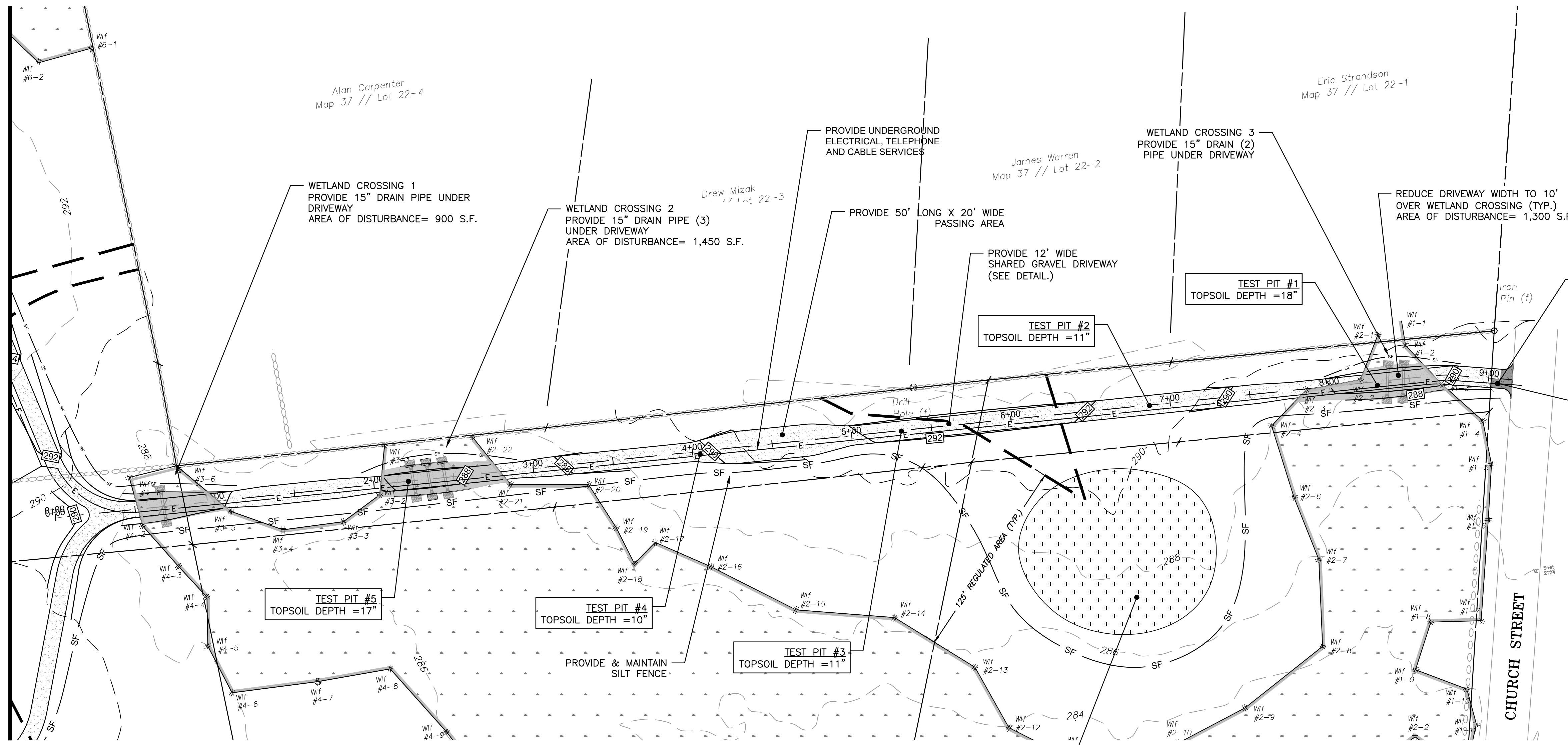
Wetlands Crossing #1  
 Area of Disturbance approved: 900 Sq.Ft.  
 Area of Actual Disturbance: 781 Sq.Ft.

This filling was not shown on the approved driveway plan.

sq.Ft.

On 10/7/22, we inspected the installed driveway for this site along with the 2 crossings. In addition, we reviewed...

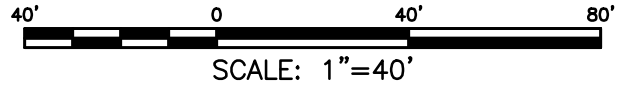
CONTINUE - SEE SHEET 3



**DRIVEWAY CONSTRUCTION SEQUENCE**

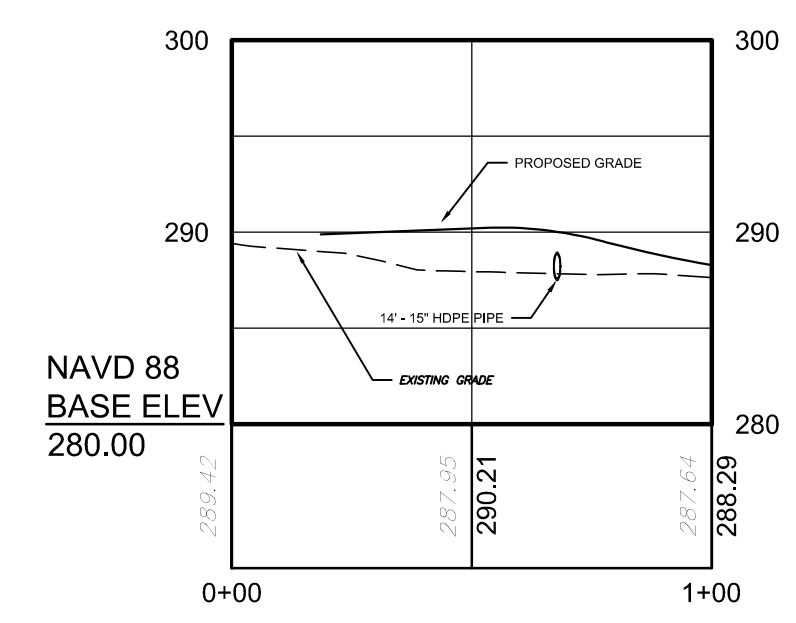
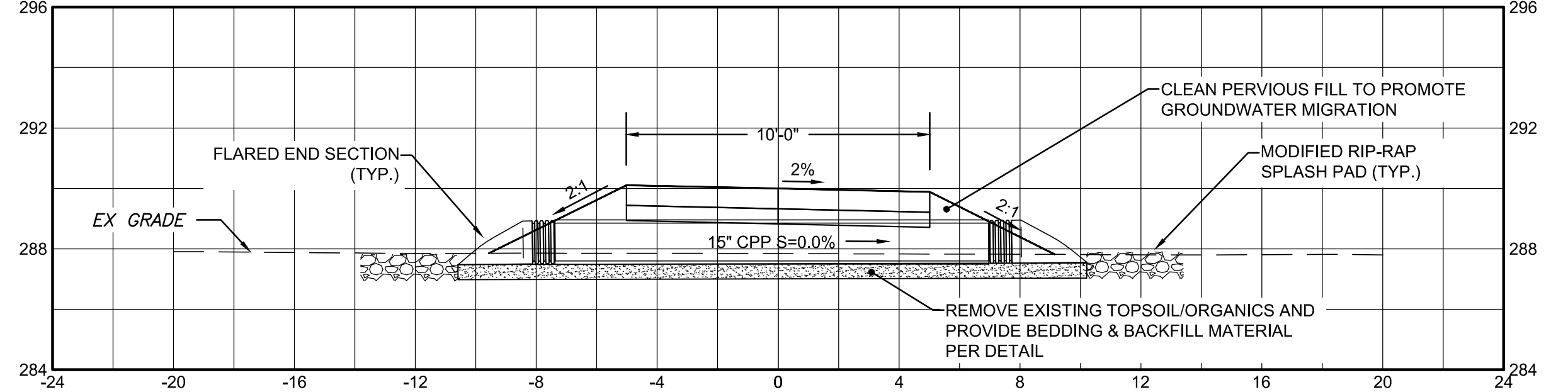
1. NOTIFY BROOKLYN WETLAND AGENT (860-779-3411 x 31) TO SCHEDULE A PRE-CONSTRUCTION MEETING 10 DAYS PRIOR TO STARTING WORK
2. INSTALL SILT FENCE AND ANTI-TRACKING PAD
3. CLEAR & GRUB WITHIN SILT FENCE AND WETLAND DISTURBANCE LIMITS SHOWN ON PLAN.
4. REMOVE & TEMPORARILY STOCKPILE TOP SOIL.
5. INSTALL UNDERGROUND UTILITIES.
6. INSTALL DRAINAGE PIPES.
7. INSTALL DRIVEWAY GRAVEL.
8. PROVIDE TOPSOIL FERTILIZER & SEED ON ALL REMAINING DISTURBED AREA.
9. PREPARE AS-BUILT PLAN.
10. REMOVE E&S CONTROLS ONCE VEGETATION IS ESTABLISHED.

**PLAN**

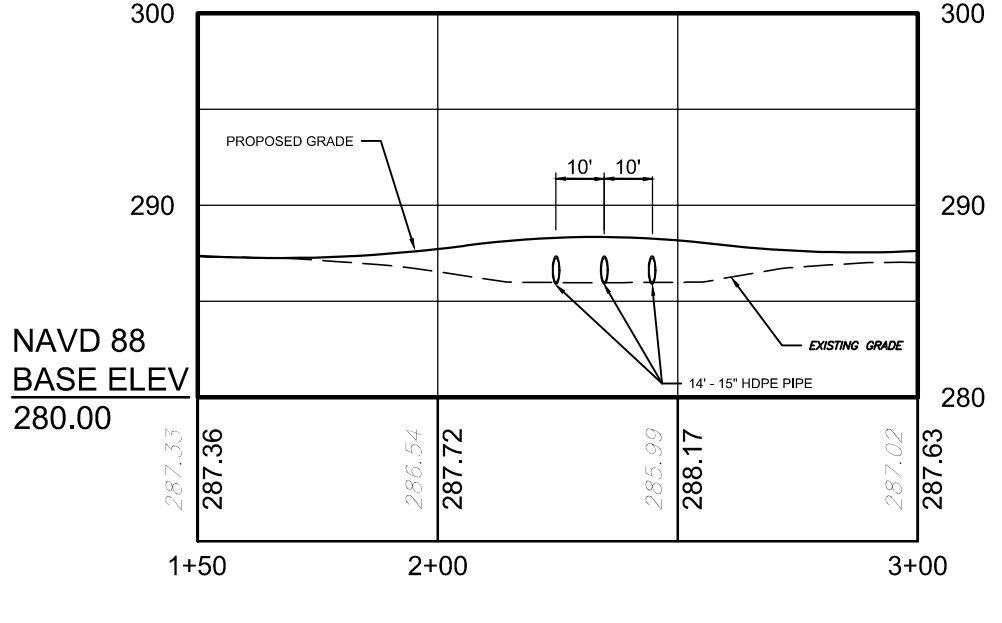


**NOTE:**  
TEST HOLES IN PROPOSED DRIVEWAY WERE OBSERVED ON 5-18-21 AT THE APPROXIMATE LOCATIONS SHOWN ABOVE. INDICATIONS OF SEASONAL HIGH GROUNDWATER DEPTH WAS OBSERVED BETWEEN 0-16" IN WETLAND AREAS, AND 16" AND GREATER IN UPLAND AREAS.

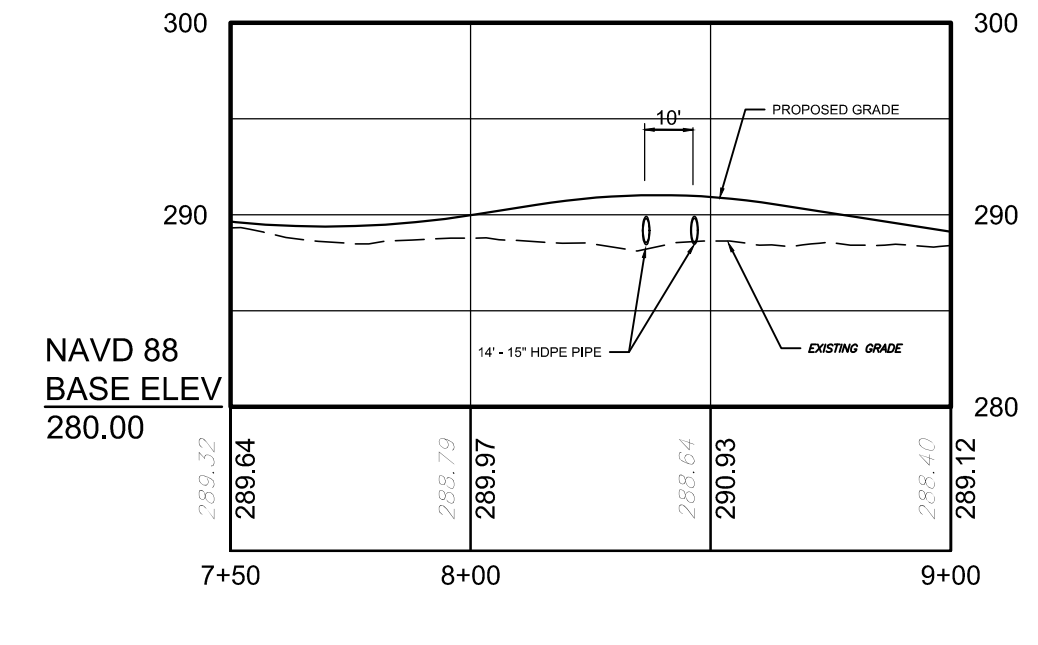
**Wetland Crossing (Typical)  
Shared Driveway  
Horiz. & Vert. Scale: 1" = 4'**



**SHARED DRIVEWAY Wetland Crossing 1**  
STA 0+00 TO STA 1+00  
Horiz. Scale= 1"= 40'  
Vert. Scale= 1"= 10'



**SHARED DRIVEWAY Wetland Crossing 2**  
STA 1+50 TO STA 3+00  
Horiz. Scale= 1"= 40'  
Vert. Scale= 1"= 10'



**SHARED DRIVEWAY Wetland Crossing 3**  
STA 7+50 TO STA 9+00  
Horiz. Scale= 1"= 40'  
Vert. Scale= 1"= 10'

**ARCHER Surveying LLC**  
18 Providence Road, Brooklyn, CT  
(860) 779-2240

5	09/16/21	MISCELLANEOUS REVISIONS
4	07/28/21	REGULATED AREA MODIFIED
3	07/06/21	MISCELLANEOUS REVISIONS
2	06/30/21	VARIOUS MODIFICATIONS
1	05/10/21	VARIOUS MODIFICATIONS
No.	DATE	REVISION

**CLA Engineers, Inc.**  
CIVIL • STRUCTURAL • SURVEYING  
317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

**A. KAUSCH & SONS, LLC**

**LOTS 019-37-17, 019-37-20 & 019-37-21  
CHURCH ST. SITE DEVELOPMENT  
BROOKLYN, CT**

**GRADING & SITE DESIGN**

Project No. CLA-6639  
Proj. Engineer R.A.D.  
Date: 04/30/21  
Sheet No. 2 of 4

**LEGEND**

- PROPERTY LINE
- - - PROPOSED PROPERTY LINE
- - - EASEMENT
- ○ ○ ○ ○ STONEWALL
- ○ ○ ○ ○ STONEWALL REMAINS
- - - EXISTING INDEX CONTOURS
- - - EXISTING CONTOURS
- #— WETLANDS FLAG
- #— BUILDING SETBACK
- SF — SF SILT FENCE
- IRON PIN
- DRILL HOLE
- MONUMENT
- PROPERTY POINT
- UTILITY POLE

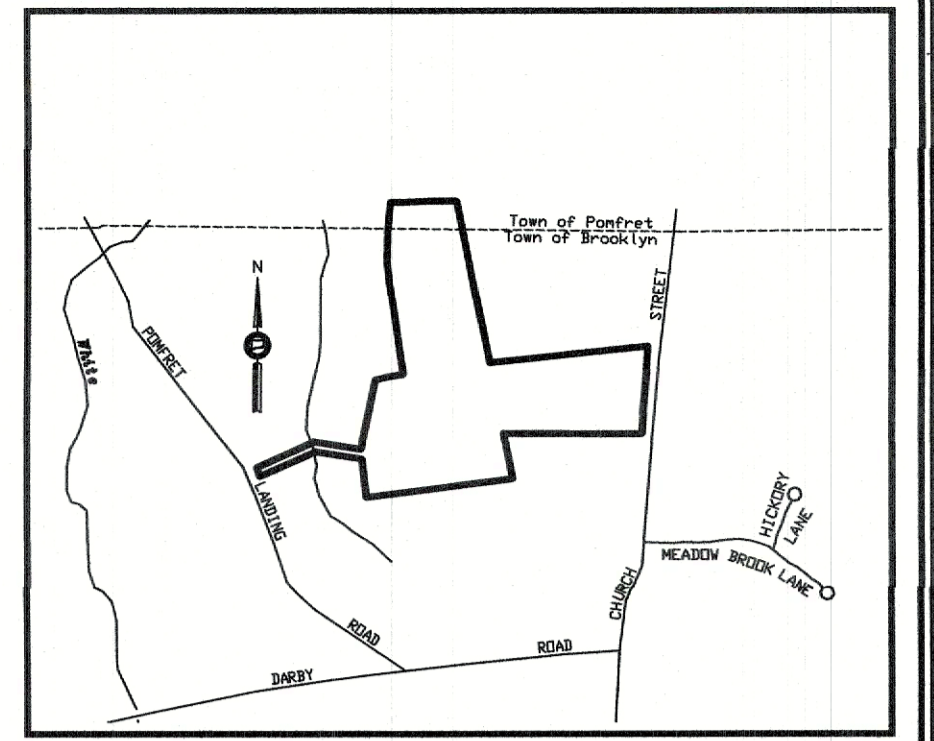


**Map References**

1. Town of Brooklyn, Plan showing land acquired from Annie Weldon by The State of Connecticut, Brooklyn - Pomfret Landing Rd, Scale: 1"=40', Date: September 1935
2. Plan of Brooklyn Manor, Darby Road and New Kimball Road, Brooklyn, Connecticut, Scale: 1"=40', Date: April 1980, Prepared by Kieltyka, Woods & Pike
3. Subdivision Map "White Brook Estates" Prepared for Eric Lehto, Church Street, Brooklyn, Connecticut, Date: June 2004, Scale: 1"=50', Prepared by Provost and Rovero Inc.
4. Plat of Bounds on Pomfret-Brooklyn Town Line, as Found 1930 and 1931, Scale: 80 Rods (1320') to Inch, Prepared by G. Perry
5. Map Showing Subdivision For Leonard Bissonnette, Pomfret Landing Road, Brooklyn, Connecticut, Scale: 1"=40', Date: November 1973
6. Perimeter Survey Prepared for Jerry & Deb Sullivan, 28 Pomfret Land Road, Brooklyn, Connecticut, Date: September 2010, Scale: 1"=40', Prepared by Archer Surveying LLC
7. Property Survey - Boundary Line Modification, Prepared for A.Kausch and Sons LLC, Church Street/Pomfret Landing, Brooklyn, Connecticut, Date: April 2021, Scale: 1"=80', Prepared by Archer Surveying LLC
8. Property Survey - "First Time Split", Prepared for A. Kausch and Sons LLC, Church Street/Pomfret Landing, Brooklyn, Connecticut, Date: April 2021, Scale: 1"=80', Prepared by Archer Surveying LLC

I have reviewed the inland-wetlands shown on this plan and they appear to be substantially the same as those which I delineated in the field.

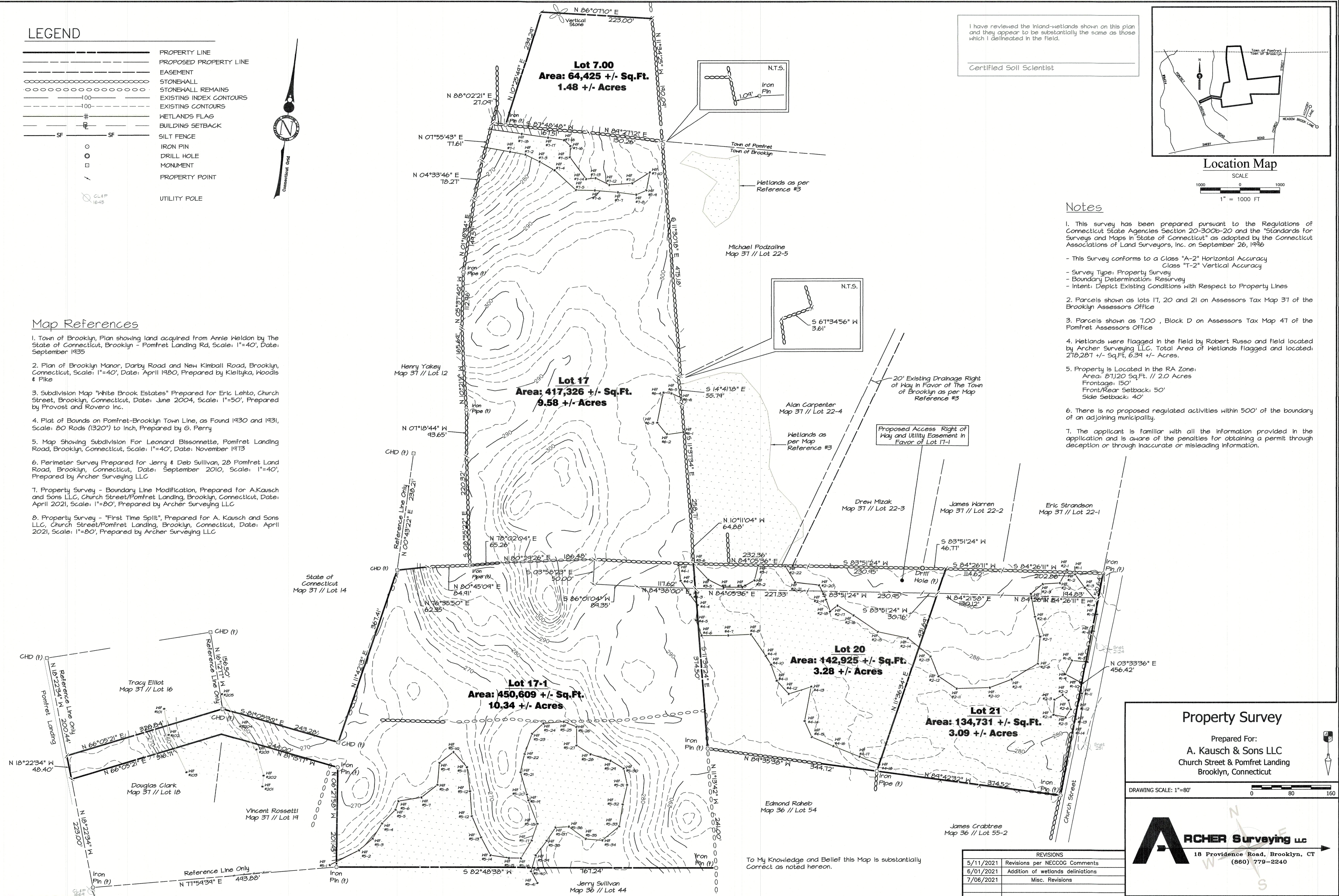
Certified Soil Scientist



**Location Map**  
SCALE  
1" = 1000 FT

**Notes**

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996
  - This Survey conforms to a Class "A-2" Horizontal Accuracy
  - Survey Type: Property Survey
  - Boundary Determination: Resurvey
  - Intent: Depict Existing Conditions with Respect to Property Lines
2. Parcels shown as lots 17, 20 and 21 on Assessors Tax Map 37 of the Brooklyn Assessors Office
3. Parcels shown as T.00, Block D on Assessors Tax Map 47 of the Pomfret Assessors Office
4. Wetlands were Flagged in the field by Robert Russo and field located by Archer Surveying LLC. Total Area of Wetlands Flagged and located: 278,287 +/- Sq.Ft, 6.34 +/- Acres.
5. Property is Located in the RA Zone:  
Area: 87,120 Sq.Ft. // 2.0 Acres  
Frontage: 150'  
Front/Rear Setback: 50'  
Side Setback: 40'
6. There is no proposed regulated activities within 500' of the boundary of an adjoining municipality.
7. The applicant is familiar with all the information provided in the application and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.



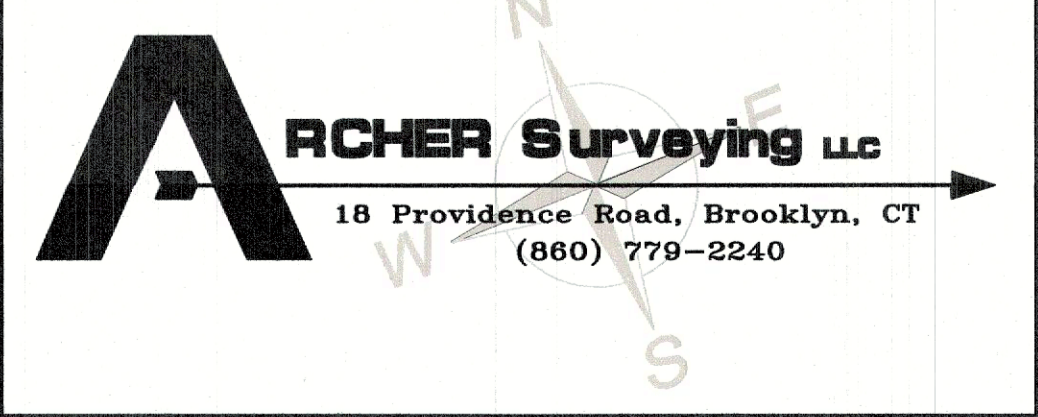
To My Knowledge and Belief this Map is substantially Correct as noted hereon.

Paul M. Archer LLS #T0013 Date

REVISIONS	
5/11/2021	Revisions per NECCOG Comments
6/01/2021	Addition of wetlands delineations
7/06/2021	Misc. Revisions

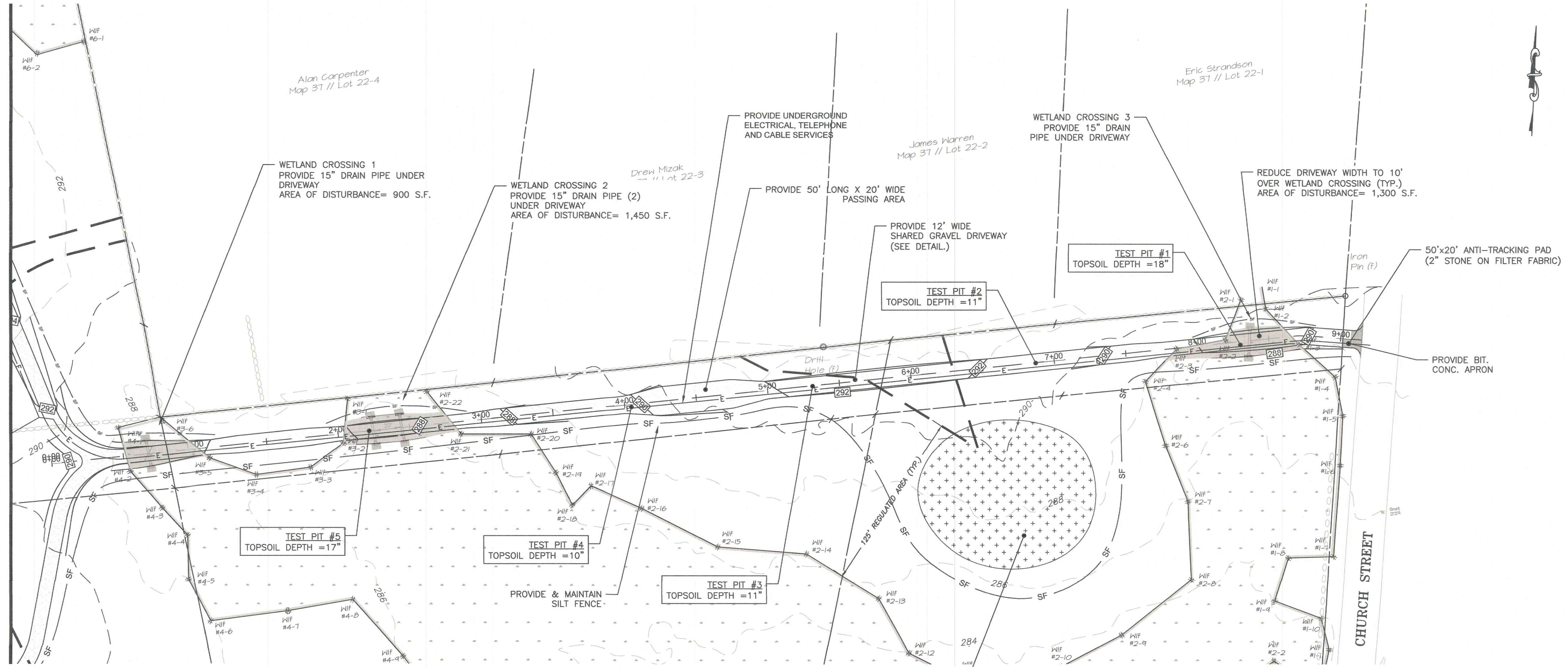
**Property Survey**  
Prepared For:  
**A. Kausch & Sons LLC**  
Church Street & Pomfret Landing  
Brooklyn, Connecticut

DRAWING SCALE: 1"=80'  
0 80 160

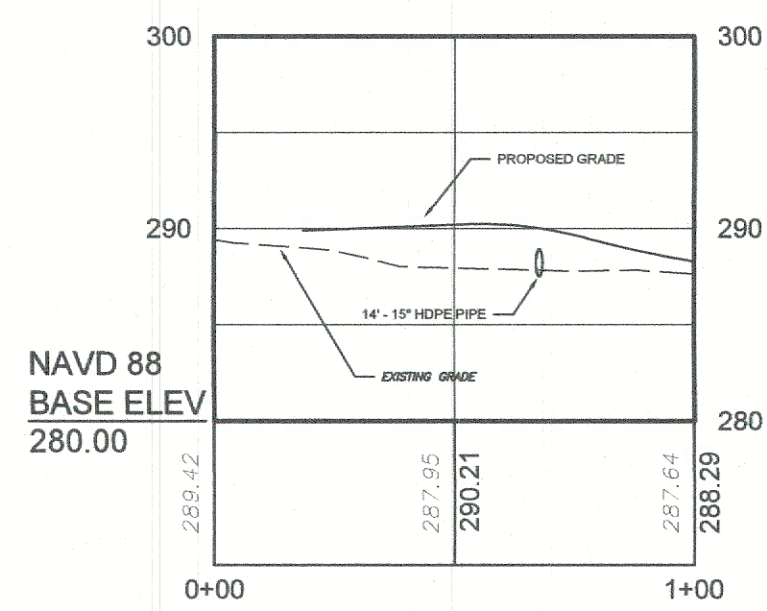
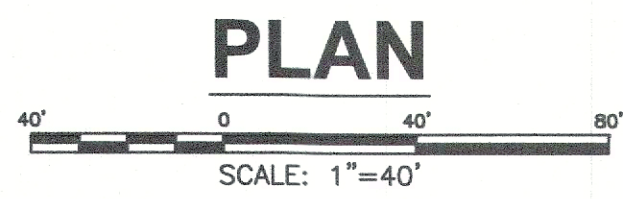


Sheet No. 1 of 4 Project No. 1895 Date: April 10, 2021

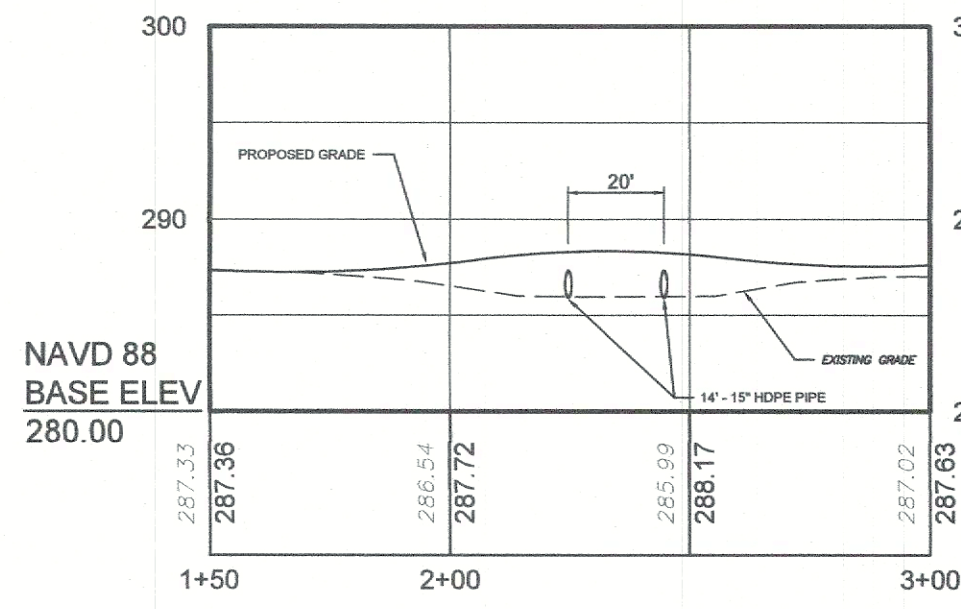
CONTINUE - SEE SHEET 3



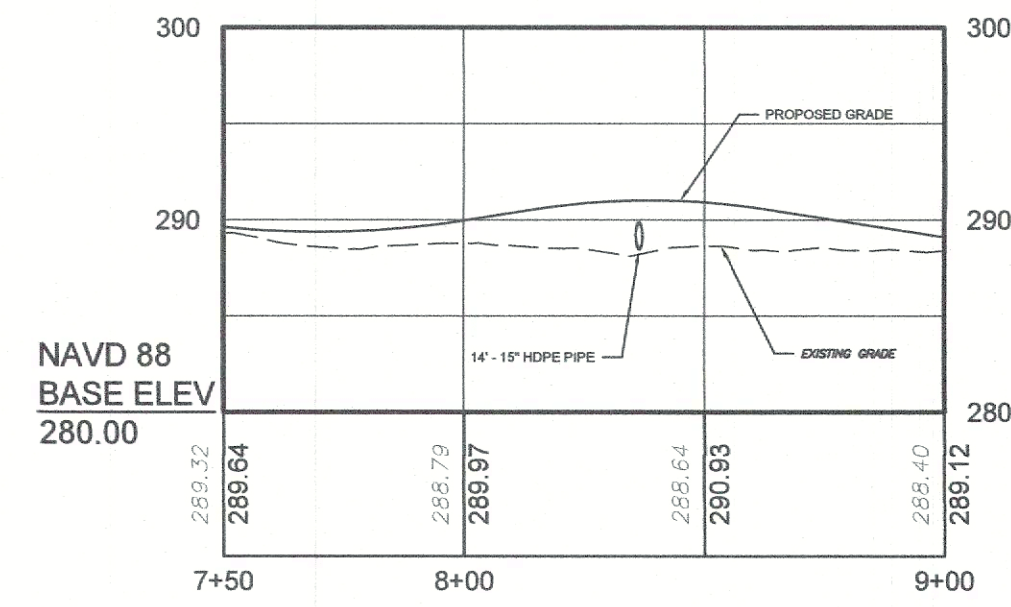
**NOTE:**  
TEST HOLES IN PROPOSED DRIVEWAY WERE OBSERVED ON 5-18-21 AT THE APPROXIMATE LOCATIONS SHOWN ABOVE. INDICATIONS OF SEASONAL HIGH GROUNDWATER DEPTH WAS OBSERVED BETWEEN 0-16" IN WETLAND AREAS, AND 16" AND GREATER IN UPLAND AREAS.



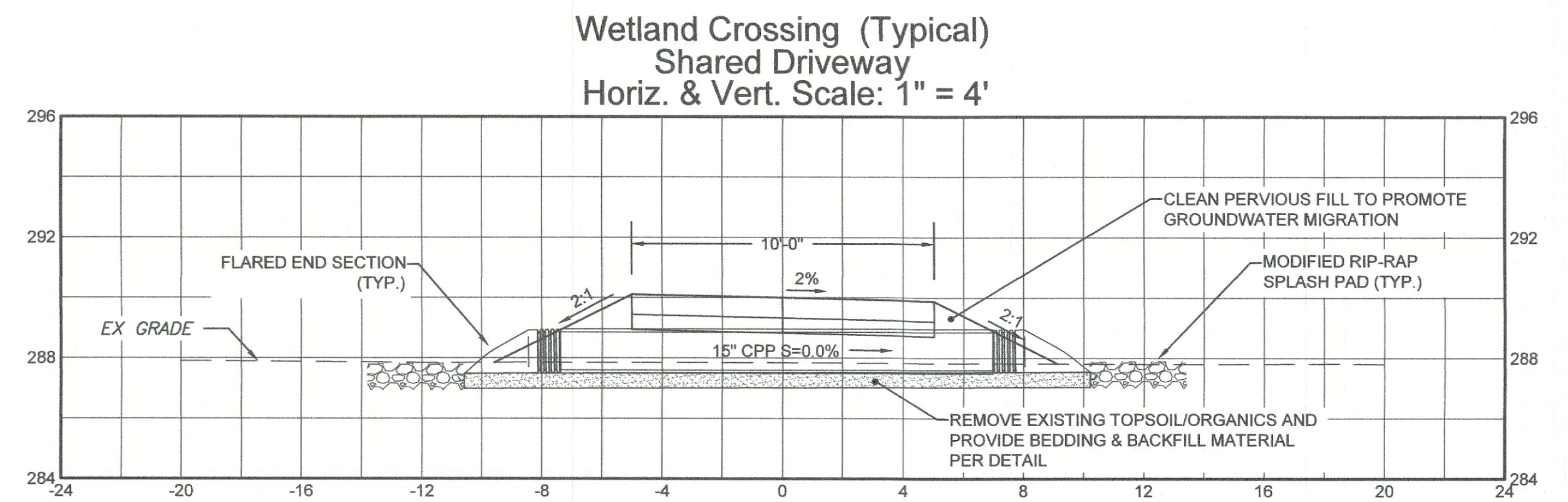
SHARED DRIVEWAY Wetland Crossing 1  
STA 0+00 TO STA 1+00  
Horiz. Scale= 1"= 40'  
Vert. Scale= 1"= 10'



SHARED DRIVEWAY Wetland Crossing 2  
STA 1+50 TO STA 3+00  
Horiz. Scale= 1"= 40'  
Vert. Scale= 1"= 10'



SHARED DRIVEWAY Wetland Crossing 3  
STA 7+50 TO STA 9+00  
Horiz. Scale= 1"= 40'  
Vert. Scale= 1"= 10'



No.	DATE	REVISION
4	07/28/21	REGULATED AREA MODIFIED
3	07/08/21	MISCELLANEOUS REVISIONS
2	05/30/21	VARIOUS MODIFICATIONS
1	05/10/21	VARIOUS MODIFICATIONS

**CLA Engineers, Inc.**  
Civil • Structural • Surveying  
317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

**A. KAUSCH & SONS, LLC**  
Project No. CLA-6639  
Proj. Engineer R.A.D.  
Date: 04/30/21  
Sheet No. 2 of 4

**LOTS 019-37-17, 019-37-20 & 019-37-21**  
CHURCH ST. SITE DEVELOPMENT  
BROOKLYN, CT  
GRADING & SITE DESIGN



**SELECT FILL SPECIFICATION**

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS PER THE CONNECTICUT PUBLIC HEALTH CODE FOR USE WITHIN THE LEACHING AREA:

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING CRITERIA:

SIEVE SIZE	PERCENT PASSING	WET SIEVE	DRY SIEVE
#4	100	100	100
#10	70-100	70-100	70-100
#40	10-50*	10-75	10-75
#100	0-20	0-5	0-5
#200	0-5	0-2.5	0-2.5

\* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75 IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 AND THE #200 SIEVE DOES NOT EXCEED 5.

**SEPTIC NOTES**

1. PROPOSED SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
2. A BENCHMARK SHALL BE SET WITHIN 10'-15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
3. ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS.
4. SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE. PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO STD-3034 AND SDR-35.
5. SYSTEMS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE. THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
6. CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEMS AND HOUSES ARE TO BE CONSTRUCTED. ALL TOPSOIL IS TO BE STRIPPED AND STOCKPILED FOR FUTURE USE.
7. ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
8. TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS.

**DEEP TEST PIT DATA / SOIL DESCRIPTIONS**

PERFORMED BY: Donovan Moe  
 WITNESSED BY: NORTHEAST DISTRICT DEPARTMENT OF HEALTH DATE: 03/30/2021

**TEST PIT: 1**

0" - 10" Topsoil / Organics
10" - 16" Orange Brown Fine Sand Loam
16" - 34" Tan Compact Sand Loam
34" - 78" Grey Sand & Gravel

MOTTLES: 36"
GROUNDWATER: 66"
LEDGE: NO
ROOTS: 46"
RESTRICTIVE: NO

**TEST PIT: 2**

0" - 10" Topsoil / Organics
10" - 27" Dark Brown Fine Sand
27" - 48" Grey Compact Sand
48" - 70" Sand & Gravel

MOTTLES: 32"
GROUNDWATER: 62"
LEDGE: NO
ROOTS: 32"
RESTRICTIVE: NO

**TEST PIT: 3**

0" - 12" Topsoil / Organics
12" - 30" Tan Orange Fine Sand Loam
30" - 48" Grey Sand Layer
48" - 72" Sand & Gravel

MOTTLES: 30"
GROUNDWATER: 65"
LEDGE: NO
ROOTS: NO
RESTRICTIVE: NO

**TEST PIT: 4**

0" - 10" Topsoil / Organics
10" - 24" Tan Orange Fine Sand Loam
24" - 80" Saturated Grey Sand & Gravel

MOTTLES: 28"
GROUNDWATER: 74"
LEDGE: NO
ROOTS: 30"
RESTRICTIVE: NO

**CONCEPT SEPTIC SYSTEM DESIGN**

**PROPOSED LOT 1**  
 PRIMARY LEACHING AREA  
 4 BEDROOM RESIDENCE  
 PERCOLATION RATE: 6.0 MIN./INCH (NDDH FILE #21000307)  
 LEACHING AREA REQUIRED: 557.5 SF

USE TRADITIONAL TRENCH  
 EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
 REQUIRED LENGTH = 557.5 SF / 3 SF/LF = 186 LF

**MLSS CALCULATION**  
 HYDRAULIC FACTORS  
 DEPTH TO RESTRICTIVE LAYER = 32"  
 SLOPE = 4.0%  
 HYDRAULIC FACTOR (HF) = 32  
 FLOW FACTOR (FF) = 1.0  
 PERCOLATION FACTOR (PF) = 1.75 (LESS THAN 10.0 MIN./INCH)  
 MLSS REQUIRED: 32 x 1.0 x 1.75 = 52.5 LF

**PROPOSED SYSTEM**  
 USE 3 ROWS OF 65 LF  
 LEACHING AREA PROVIDED = 585 SF

**RESERVE LEACHING AREA**  
 USE SAME AS PRIMARY SYSTEM

**PROPOSED LOT 2**  
 PRIMARY LEACHING AREA  
 4 BEDROOM RESIDENCE  
 PERCOLATION RATE: 8.0 MIN./INCH (NDDH FILE #21000307)  
 LEACHING AREA REQUIRED: 557.5 SF

USE TRADITIONAL TRENCH  
 EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
 REQUIRED LENGTH = 557.5 SF / 3 SF/LF = 186 LF

**MLSS CALCULATION**  
 HYDRAULIC FACTORS  
 DEPTH TO RESTRICTIVE LAYER = 28"  
 SLOPE = 4.0%  
 HYDRAULIC FACTOR (HF) = 34  
 FLOW FACTOR (FF) = 1.0  
 PERCOLATION FACTOR (PF) = 1.75 (LESS THAN 10.0 MIN./INCH)  
 MLSS REQUIRED: 34 x 1.0 x 1.75 = 59.5 LF

**PROPOSED SYSTEM**  
 USE 3 ROWS OF 65 LF  
 LEACHING AREA PROVIDED = 585 SF

**RESERVE LEACHING AREA**  
 USE SAME AS PRIMARY SYSTEM

**PERCOLATION DATA**  
 PERC 1 - DEPTH 23"

TIME	DROP (INCHES)
11:10	6.0
11:12	7.0
11:14	8.0
11:16	8.5
11:18	9.25
11:20	9.5
11:22	10.0
11:25	11.0
11:28	11.5
11:31	12.0

PERCOLATION RATE > 6.0 MIN./IN.

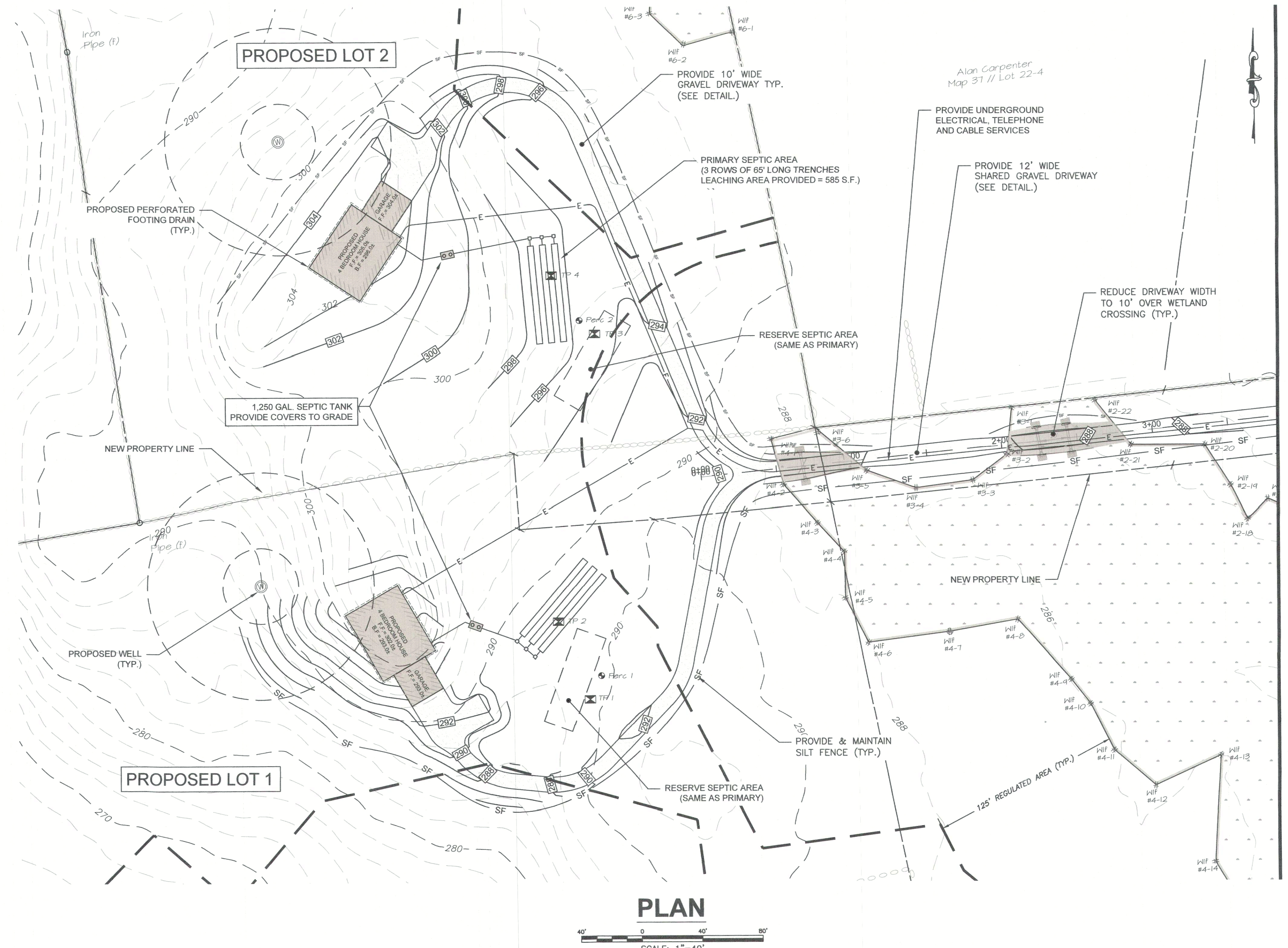
NOTES:  
 PERCOLATION TEST PERFORMED ON 3/30/2021  
 PERFORMED BY Donovan Moe

**PERCOLATION DATA**  
 PERC 2 - DEPTH 17"

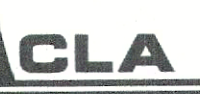
TIME	DROP (INCHES)
11:04	6.25
11:10	8.25
11:16	9.75
11:22	10.625
11:34	12.125
11:46	13.125
11:58	14.625

PERCOLATION RATE > 8.0 MIN./IN.

NOTES:  
 PERCOLATION TEST PERFORMED ON 3/30/2021  
 PERFORMED BY Donovan Moe



CONTINUE - SEE SHEET 2



**ARCHER Surveying LLC**  
 18 Providence Road, Brooklyn, CT  
 (860) 779-2240

**CLA Engineers, Inc.**  
 CIVIL • STRUCTURAL • SURVEYING  
 317 Main Street Norwich, CT 06360  
 (860) 886-1986 Fax (860) 886-9165

No.	DATE	REVISION
3	07/28/21	REGULATED AREA MODIFIED
2	06/30/21	VARIOUS MODIFICATIONS
1	05/10/21	VARIOUS MODIFICATIONS

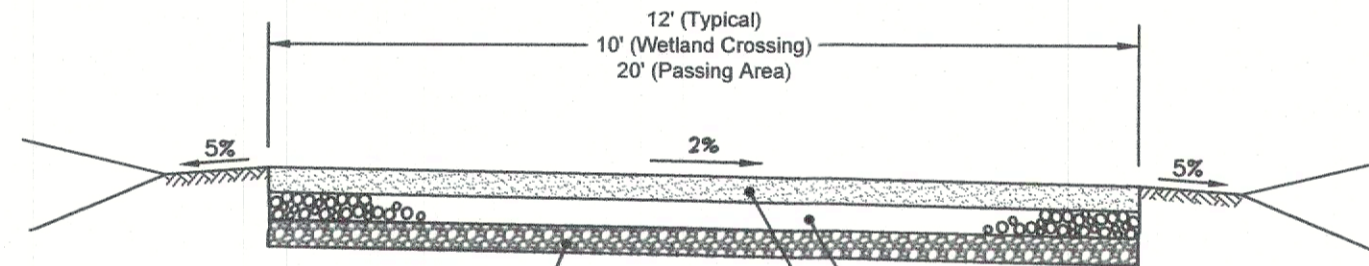
**A. KAUSCH & SONS, LLC**  
 R.A.D.  
 Date: 04/30/21  
 Sheet No. 3 of 4

**EROSION & SEDIMENTATION CONTROL NARRATIVE**

1. THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
5. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
6. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
7. CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
8. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED AS SHOWN IN THE HAY-BALE BARRIER DEWATERING DETAIL OR ALTERNATE METHOD PROPOSED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
9. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1). IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
10. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
11. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
12. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
13. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
14. THE CONTRACTOR SHALL PROVIDE THE NAME AND EMERGENCY CONTACT INFORMATION FOR THE PROJECT PERSONNEL RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF CONSTRUCTION.

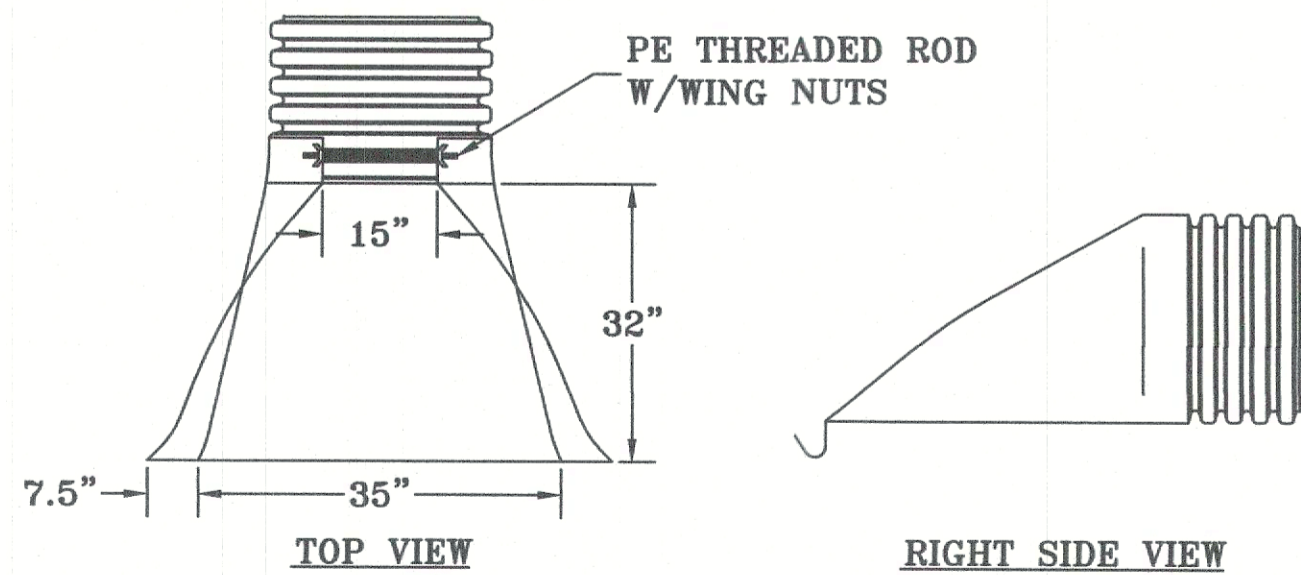
NOTE: THE CONTRACTOR SHALL CONTINUALLY STORE THE FOLLOWING MATERIALS ONSITE DURING CONSTRUCTION TO MEET UNEXPECTED EROSION NEEDS

- \* 100 LF OF SILT FENCE
- \* 10 HAY BALES
- \* 10 CY OF WOOD CHIPS OR CRUSHED STONE



REMOVE EXISTING TOPSOIL AND PROVIDE CRUSHED STONE TO CTDOT 818 M.02.05 AS NEEDED TO REACH SUB-BASE AT WETLAND CROSSINGS

**TYPICAL DRIVEWAY CROSS SECTION**  
NOT TO SCALE



**HDPE FLARED END SECTION**  
NOT TO SCALE

**TEMPORARY VEGETATIVE COVER**

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL IN THE STOCKPILES HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSENEED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO THE CONTOURS.

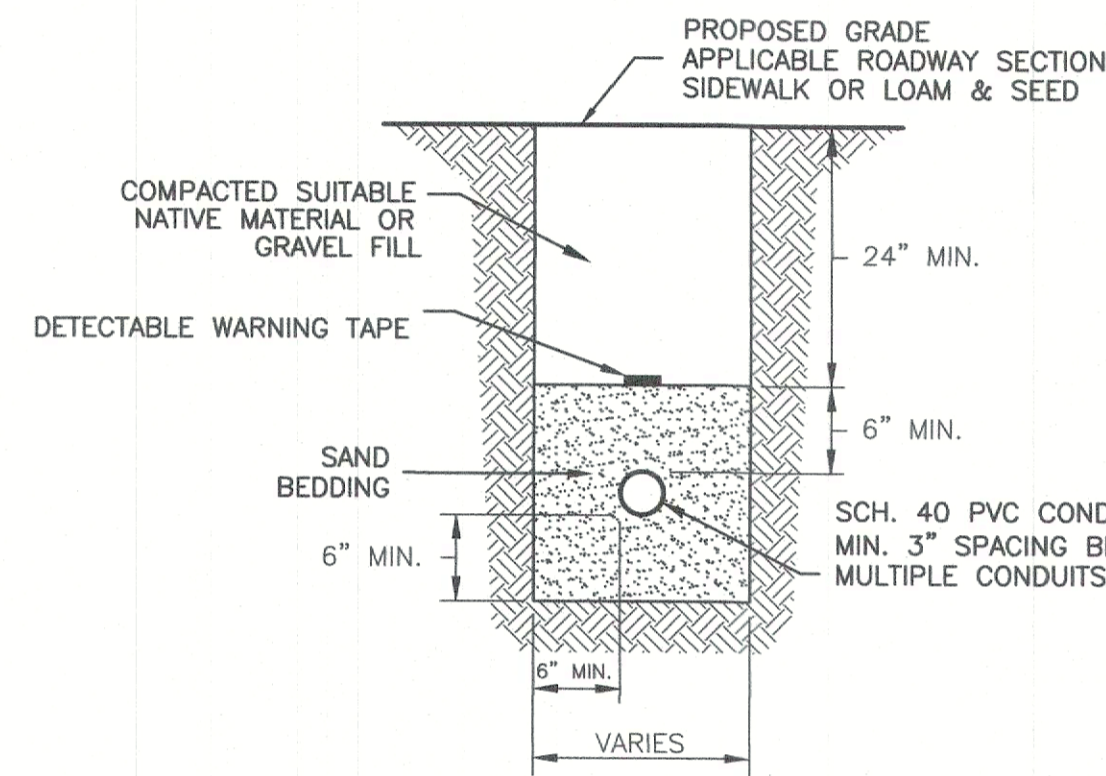
**PERMANENT VEGETATIVE COVER**

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

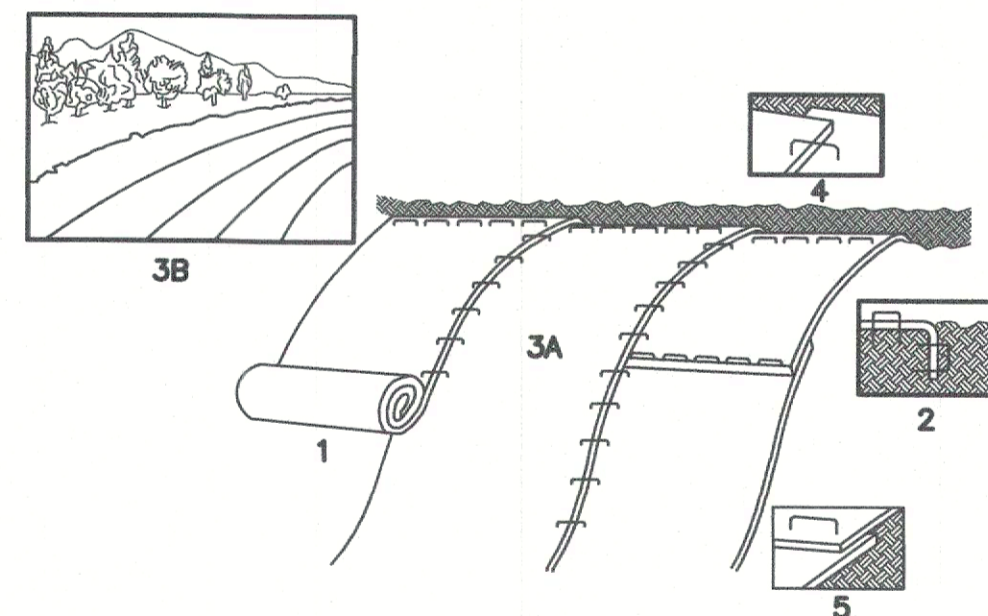
- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
- APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER 1000 S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

**TYPICAL SEED MIXTURE**

ALL DISTURBED AREAS	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.45
CREeping RED FESCUE	20	0.45
PERENNIAL RYEGRASS	5	0.10
	45	1.00

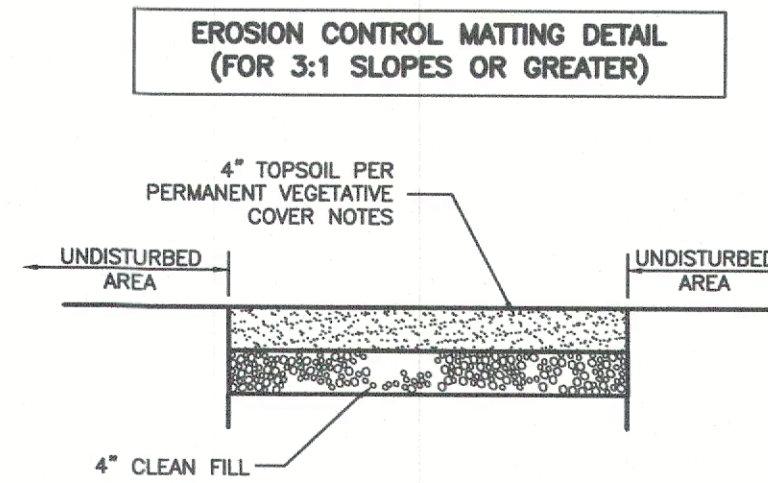


**TRENCH DETAIL: ELECTRICAL CONDUIT**  
NOT TO SCALE

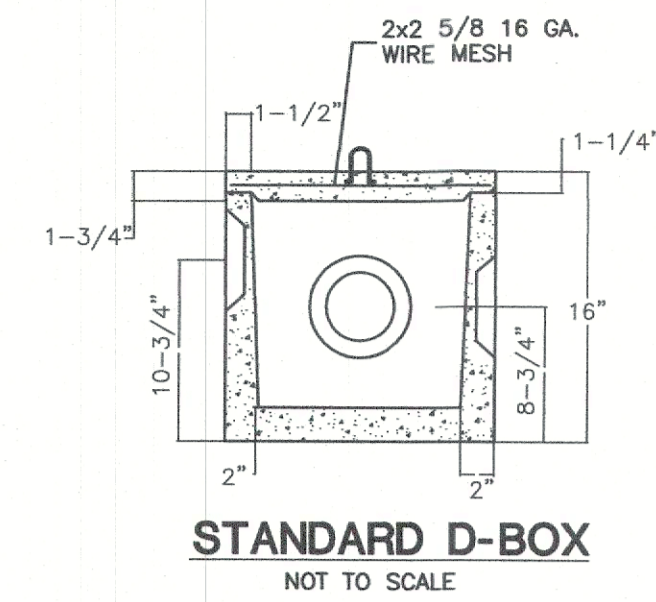


1. PROVIDE 4" THICKNESS OF TOPSOIL OVER CLEAN FILL. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED MIX PER PERMANENT VEGETATIVE COVER NOTES. (SHALL BE PAID FOR AT THE UNIT PRICE FOR LOAM, SEED, FERTILIZER & MULCH)
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP x 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

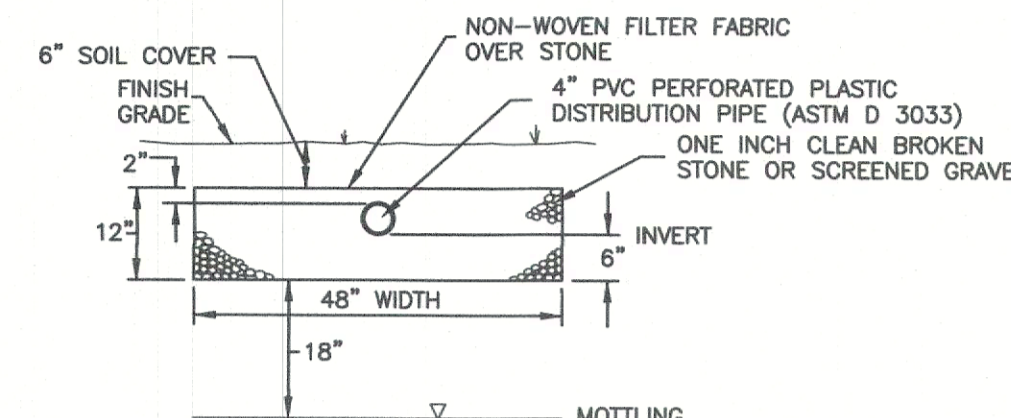
NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BIONET C1225N OR APPROVED EQUAL.



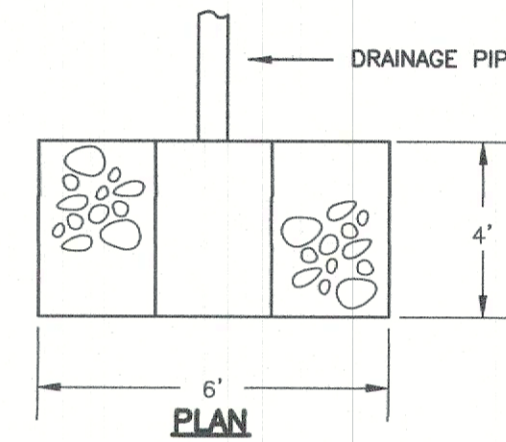
**TYPICAL LOAM & SEED SECTION DETAIL (FOR ALL DISTURBED AREAS)**  
**SLOPE STABILIZATION DETAILS**  
NOT TO SCALE



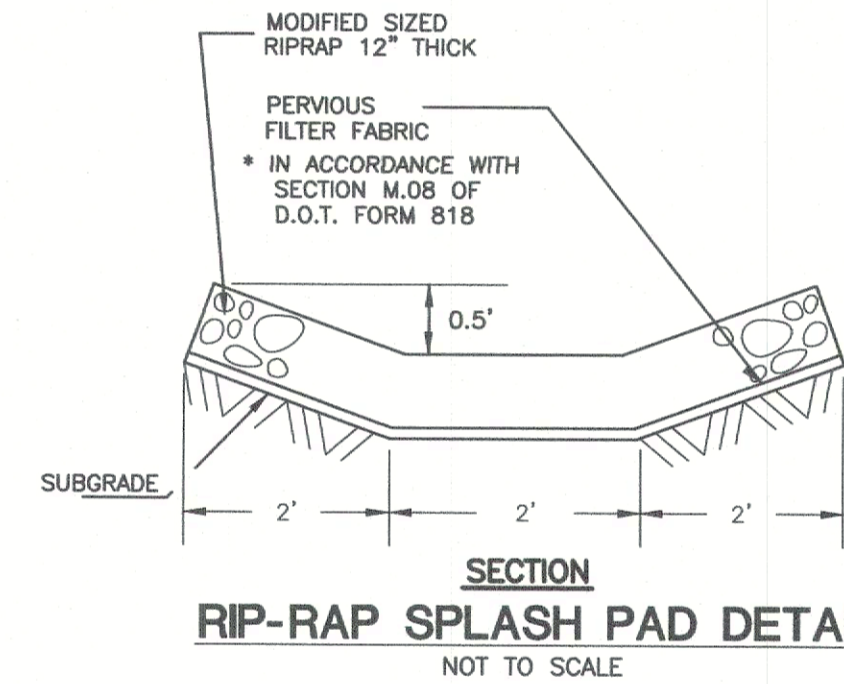
**STANDARD D-BOX**  
NOT TO SCALE



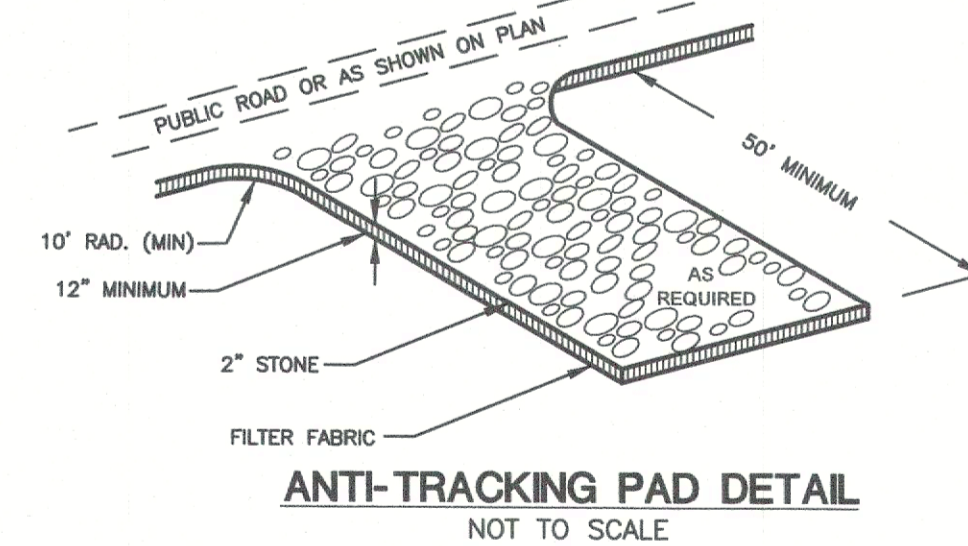
**12' x 48' LEACHING TRENCH**  
NOT TO SCALE



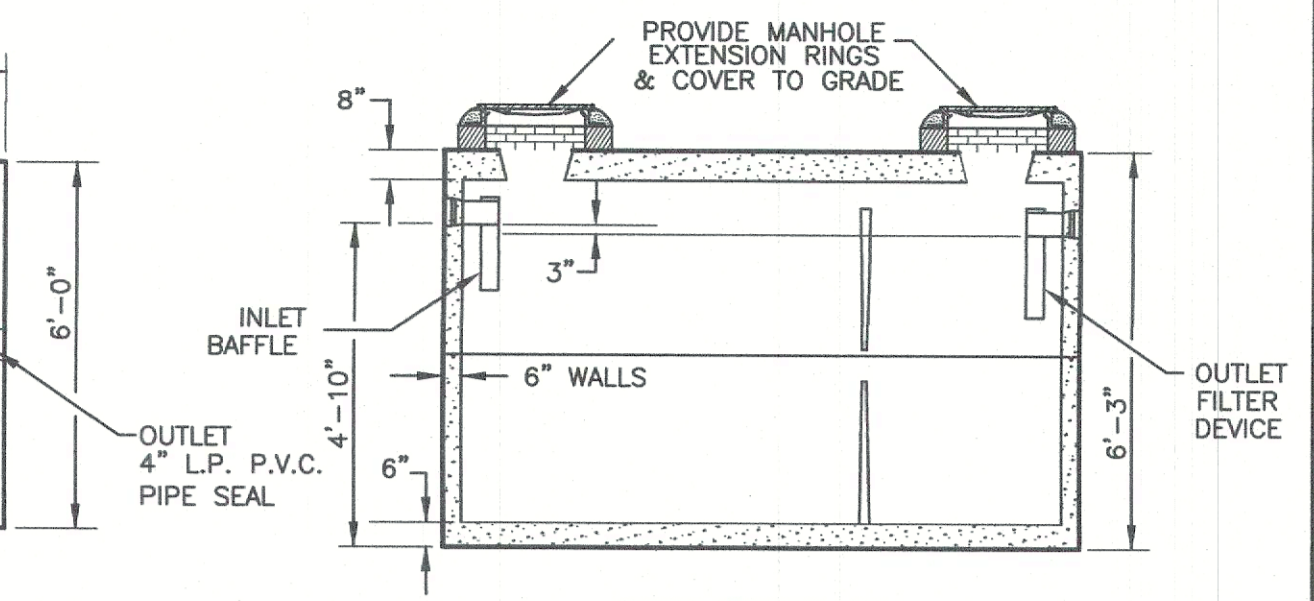
**PLAN**



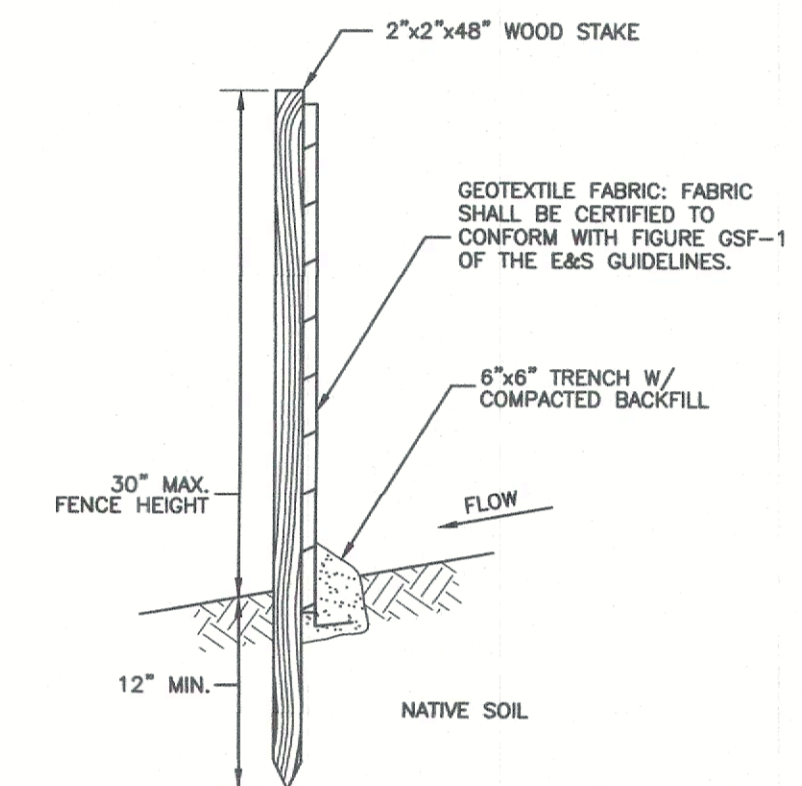
**SECTION**  
**RIP-RAP SPLASH PAD DETAIL**  
NOT TO SCALE



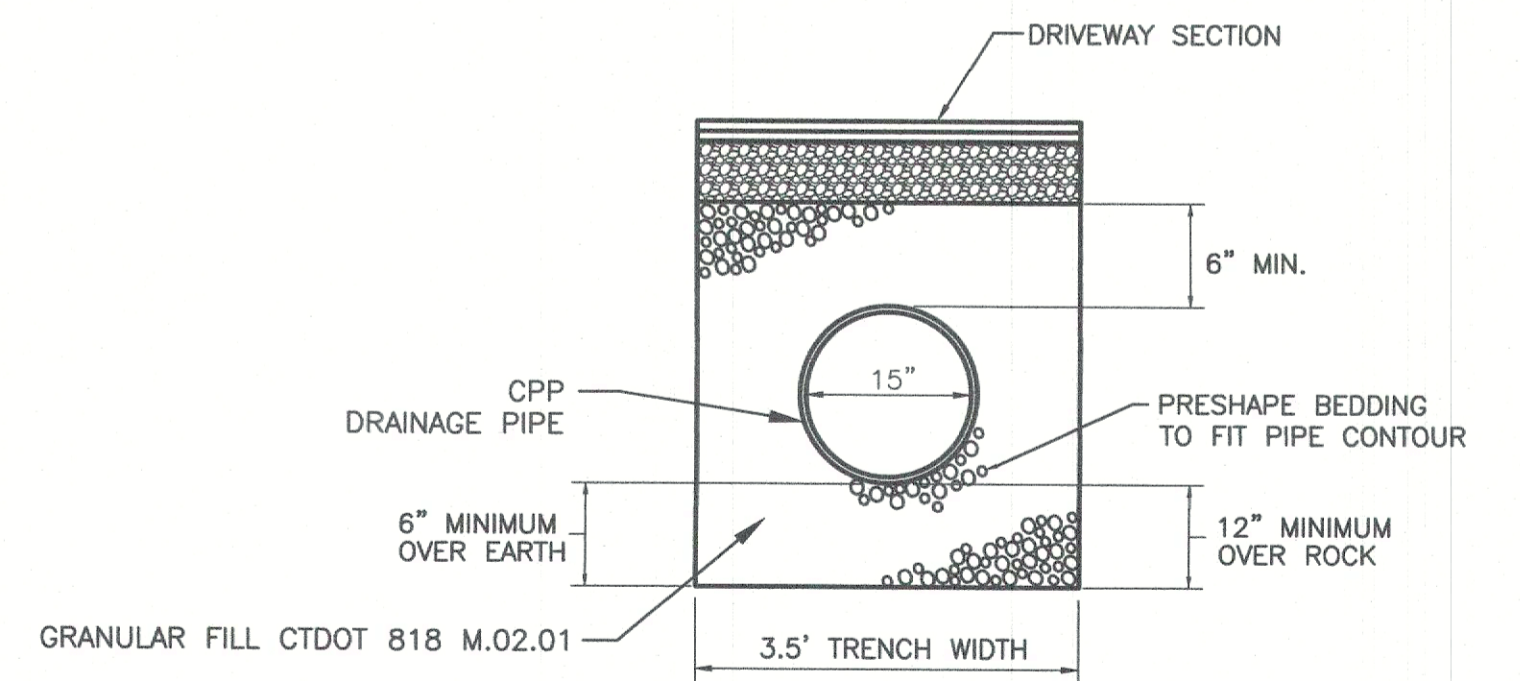
**ANTI-TRACKING PAD DETAIL**  
NOT TO SCALE



**1250 GALLON SEPTIC TANK**  
NOT TO SCALE



**SILT FENCE SECTION**  
NOT TO SCALE



**DRAINAGE PIPE BEDDING DETAIL**  
NOT TO SCALE

**ARCHER Surveying LLC**  
18 Providence Road, Brooklyn, CT  
(860) 779-2240

**CLA Engineers, Inc.**  
CIVIL · STRUCTURAL · SURVEYING  
317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

No.	DATE	REVISION
1	05/10/21	VARIOUS MODIFICATIONS

A. KAUSCH & SONS, LLC  
Project No. CLA-6639  
Proj. Engineer R.A.D.  
Date: 04/30/21  
Sheet No. 4 of 4

**LOTS 019-37-17, 019-37-20 & 019-37-21**  
**CHURCH ST. SITE DEVELOPMENT**  
**BROOKLYN, CT**

NOTES & CONSTRUCTION DETAILS

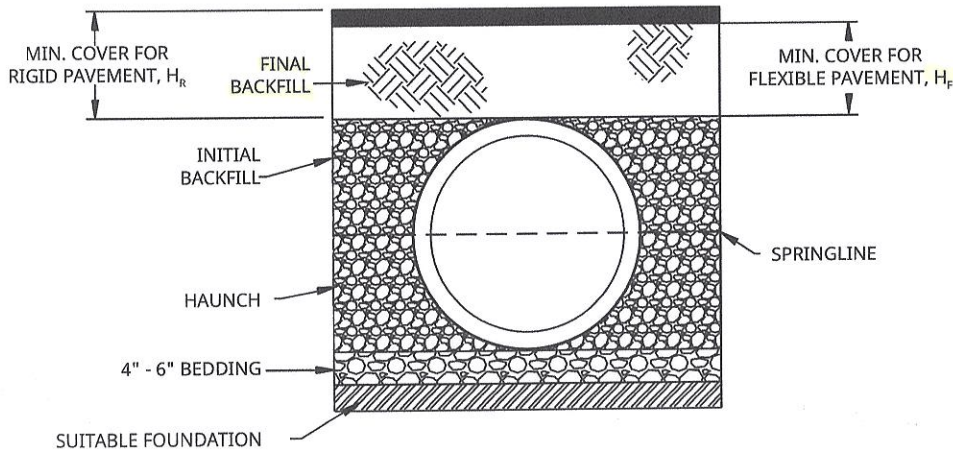
# Groundwater or Surface Runoff



When groundwater or surface runoff is present in the work area, dewater to maintain stability of native and imported materials. Maintain water level below pipe foundation to provide a stable trench bottom.

## Backfill Envelope Construction

- If native soil cannot carry load, import, compact and level adequate bedding material as in Figure 5.
- Figure 5 represents typical trench construction applicable to all products. See appendix for references to additional product specific resources.

Figure 5:



-  FILL AS SPECIFIED BY DESIGN ENGINEER
-  STRUCTURAL BACKFILL (COMPACTED CLASS I, II, OR III MATERIAL)

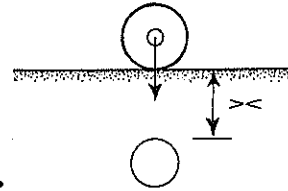
$H_R, H_F = 12"$  FOR PIPE DIAMETERS UP TO 48"  
 $= 24"$  FOR PIPE DIAMETERS 54" AND 60"



Pipe installation guidelines  
from  
ADS pipe drainage  
handbook  
from Syl Pauley

## Construction and Paving Traffic

- Some construction vehicles, such as many types of paving equipment, are not as heavy as the design load.
- For situations with relatively light construction vehicles, the 12" (0.3 m) and 24" (0.6 m) minimum covers criteria discussed earlier can be decreased during the construction phase.
- Table 5 presents the surface applied loads and the corresponding minimum cover that can be permitted on a temporary basis. *These criteria should only be employed during construction; finished projects should always have a minimum*



**Table 5: Temporary Cover Requirements for Light Construction Traffic**

Type of Vehicle	Vehicular Load at Surface psi (kPa) ASTM D2321	Temporary Minimum Cover in (mm) for:	
		4"-48" (100-1200) Diameter Pipe	54"-60" (1350-1500) Diameter Pipe
Semi-tractor <sup>1</sup>	75 (517)	9 (230)	12 (300)
Loaded pick-up truck <sup>2</sup>	50 (345)	6 (150)	9 (230)
Skid steer loader <sup>3</sup>	25 (172)	3 (80)	6 (15)

1. Based on typical 3-axel day-trip tractor without trailer.

2. Chevy® 3500 series, fully loaded.

3. Bobcat® T180 model skid steer loader.

*cover of at least 12" (0.3 m) for 4" - 48" (100-1200 mm) diameters and minimum cover of at least 24" (0.6 m) for 60" (1500 mm) diameters.*

- *Vehicles exceeding these criteria must not be permitted to drive over the installation.*
- Areas receiving heavy construction equipment traffic between 30 and 60 tons require at least 3 feet (0.9 m) of cover. Higher loads require cover greater than 3 feet (0.9 m), depending on the load.
- If sufficient cover is not provided, mound and compact material over pipe to provide minimum cover needed for load during construction.
- For heavy duty compaction equipment, such as a hoe-pack or equivalent type compactor, a minimum of 3 feet (0.9 m) of compacted backfill shall separate the pipe from the equipment.



INLAND WETLANDS & WATERCOURSES COMMISSION  
TOWN OF BROOKLYN, CONECTICUT

Date

OCT 31 2022

Application # IWWC  
SUBD 22-001

APPLICATION -- INLAND WETLANDS & WATERCOURSES

By MAURICE LAPIERRE, P.O.A. FOR

APPLICANT NAOMI REGIS MAILING ADDRESS 240 SOUTH STREET, BROOKLYN, CT 06234  
APPLICANT'S INTEREST IN PROPERTY OWNER PHONE 860 208 7397 (MOE LAPIERRE) EMAIL \_\_\_\_\_

PROPERTY OWNER IF DIFFERENT SAME PHONE \_\_\_\_\_  
MAILING ADDRESS \_\_\_\_\_ EMAIL \_\_\_\_\_

ENGINEER/SURVEYOR (IF ANY) PC SURVEY ASSOCIATES, LLC / KILLINGLY ENGINEERING ASSOCIATES, LLC  
ATTORNEY (IF ANY) \_\_\_\_\_

PROPERTY LOCATION/ADDRESS 420 ALLEN HILL ROAD  
MAP # 32 LOT # 128 ZONE RA TOTAL ACRES 26.38 ACRES OF WETLANDS ON PROPERTY 14 ACRES  
SUBDIVIDED

PURPOSE AND DESCRIPTION OF THE ACTIVITY 2 LOT SUBDIVISION, LOT DEVELOPMENT WITHIN UPLAND REVIEW AREA

WETLANDS EXCAVATION AND FILL:

FILL PROPOSED N/A CUBIC Yds 0 SQ FT 0  
EXCAVATION PROPOSED N/A CUBIC Yds 0 SQ FT 0  
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE N/A OFF SITE N/A  
TOTAL REGULATED AREA ALTERED: SQ FT N/A ACRES N/A

EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): N/A

MITIGATION MEASURES (IF REQUIRED): WETLANDS/WATERCOURSES CREATED: CY 0 SQFT 0 ACRES 0

IS PARCEL LOCATED WITHIN 500FT OF AN ADJOINING TOWN? NO IF YES, WHICH TOWN(S) \_\_\_\_\_  
IS THE ACTIVITY LOCATED WITHIN THE WATERSHED OF A WATER COMPANY AS DEFINED IN CT GENERAL STATUTES 25-32A? NO

*THE OWNER AND APPLICANT HEREBY GRANT THE BROOKLYN IWWC, THE BOARD OF SELECTMAN AND THEIR AUTHORIZED AGENTS PERMISSION TO ENTER THE SUBJECT PROPERTY FOR THE PURPOSE OF INSPECTION AND ENFORCEMENT OF THE IWWC REGULATIONS OF THE TOWN OF BROOKLYN. IF THE COMMISSION DETERMINES THAT OUTSIDE REVIEW IS REQUIRED, APPLICANT WILL PAY CONSULTING FEE.*

NOTE: DETERMINATION THAT THE INFORMATION PROVIDED IS INACCURATE MAY INVALIDATE THE IWWC DECISION AND RESULT IN ENFORCEMENT ACTION.

APPLICANT: \_\_\_\_\_ DATE \_\_\_\_\_

OWNER: Naomi Regis DATE 10-8-22

**REQUIREMENTS**

\_\_\_\_\_ APPLICATION FEE \$ \_\_\_\_\_ STATE FEE (\$60.00) \_\_\_\_\_

\_\_\_\_\_ COMPLETION OF CT DEEP REPORTING FORM

\_\_\_\_\_ ORIGINAL PLUS COPIES OF ALL MATERIALS REQUIRED - NUMBER TO BE DETERMINED BY STAFF

\_\_\_\_\_ PRE-APPLICATION MEETING WITH THE WETLANDS AGENT IS RECOMMENDED TO EXAMINE THE SCOPE OF THE ACTIVITY

\_\_\_\_\_ SITE PLAN SHOWING LOCATION OF THE WETLANDS WITH EXISTING AND PROPOSED CONDITIONS. APPLICANT MAY BE REQUIRED TO HAVE A CERTIFIED SOIL SCIENTIST IDENTIFY THE WETLANDS.

\_\_\_\_\_ COMPLIANCE WITH THE CONNECTICUT EROSION & SEDIMENTATION CONTROL MANUAL

\_\_\_\_\_ IF THE PROPOSED ACTIVITY IS DEEMED TO BE A "SIGNIFICANT IMPACT ACTIVITY" A PUBLIC HEARING IS REQUIRED ALONG WITH THE FOLLOWING INFORMATION:

- o NAMES AND ADDRESSES OF ABUTTING PROPERTY OWNERS
- o ADDITIONAL INFORMATION AS CONTAINED IN IWWC REGULATIONS ARTICLE 7.6

**ADDITIONAL INFORMATION/ACTION NEEDED:**

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**OTHER APPLICATIONS MAY BE REQUIRED. CONTACT THESE AGENCIES FOR FURTHER INFORMATION:**

APPLICATION TO STATE OF CONNECTICUT DEEP  
 INLAND WATER RESOURCES DIVISION  
 79 ELM ST.  
 HARTFORD, CT. 06106  
 1-860-424-3019

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS  
 696 VIRGINIA ROAD  
 CONCORD, MA. 01742  
 1-860-343-4789

**STAFF USE ONLY:**

\_\_\_\_\_ DECLARATORY RULING: AS OF RIGHT & NON-REGULATED USES (SEE IWWC REGULATIONS SECTION 4)

\_\_\_\_\_ PERMIT REQUIRED:

\_\_\_\_\_ AUTHORIZED BY STAFF/CHAIR (NO ACTIVITY IN WETLANDS/WATERCOURSE AND MINIMAL IMPACT)

\_\_\_\_\_ CHAIR, BROOKLYN IWWC

\_\_\_\_\_ WETLANDS OFFICER

\_\_\_\_\_ AUTHORIZED BY IWWC

\_\_\_\_\_ SIGNIFICANT ACTIVITY/PUBLIC HEARING

\_\_\_\_\_ NO PERMIT REQUIRED

\_\_\_\_\_ OUTSIDE OF UPLAND REVIEW AREA

\_\_\_\_\_ NO IMPACT

\_\_\_\_\_ CHAIR, BROOKLYN IWWC

\_\_\_\_\_ WETLANDS OFFICER

\_\_\_\_\_ TIMBER HARVEST

## Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete - *print clearly* - and mail this form in accordance with the instructions on pages 2 and 3 to:  
Wetlands Management Section, Inland Water Resources Division, CT DEEP, 79 Elm Street – 3<sup>rd</sup> Floor, Hartford, CT 06106

### PART I: To Be Completed By the Municipal Inland Wetlands Agency Only

- DATE ACTION WAS TAKEN (enter one year and month): Year \_\_\_\_\_ Month \_\_\_\_\_
- ACTION TAKEN (enter one code letter): \_\_\_\_\_
- WAS A PUBLIC HEARING HELD (check one)? Yes \_\_\_\_\_ No \_\_\_\_\_
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:  
(type name) \_\_\_\_\_ (signature) \_\_\_\_\_

### PART II: To Be Completed By the Municipal Inland Wetlands Agency or the Applicant

- TOWN IN WHICH THE ACTION IS OCCURRING (type name): BROOKLYN  
Does this project cross municipal boundaries (check one)? Yes \_\_\_\_\_ No  X  
If Yes, list the other town(s) in which the action is occurring (type name(s)): \_\_\_\_\_
- LOCATION (see directions for website information): USGS Quad Map Name: DANIELSON or Quad Number: 43  
Subregional Drainage Basin Number: 3700
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): NAOMI REGIS
- NAME & ADDRESS/LOCATION OF PROJECT SITE (type information): 430 ALLEN HILL ROAD  
Briefly describe the action/project/activity (check and type information): Temporary \_\_\_\_\_ Permanent  X  
Description: 2 LOT RESIDENTIAL SUBDIVISION
- ACTIVITY PURPOSE CODE (enter one code letter): B
- ACTIVITY TYPE CODE(S) (enter up to four code numbers): 1, 2, 12, 14
- WETLAND / WATERCOURSE AREA ALTERED (type in acres or linear feet as indicated):  
Wetlands: 0 acres      Open Water Body: 0 acres      Stream: 0 linear feet
- UPLAND AREA ALTERED (type in acres as indicated): 2.3 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type in acres as indicated): 0 acres

DATE RECEIVED:

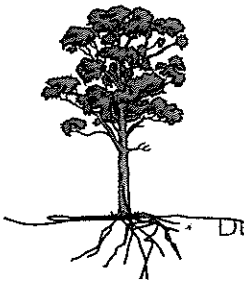
### PART III: To Be Completed By the DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO





## JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~  
PHONE 860-428-7992~ FAX 860-376-6842  
P.O. Box 32, VOLUNTOWN, CT. 06384

FORESTRY SERVICES ~ ENVIRONMENTAL IMPACT ASSESSMENT  
DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING  
WETLAND FUNCTION AND VALUE ASSESSMENTS

WETLAND

12/20/21

P.C. SURVEY ASSOC. LLC.  
63 SNAKE MEADOW HILL RD.  
KILLINGLY, CT. 06239

ATTN: MR. PAUL TERWILLIGER

RE: REGIS PROPERTY WETLAND DELINEATION, ALLEN HILL RD. BROOKLYN, CT.

DEAR MR. TERWILLIGER,

AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS IN THE WESTERN HALF OF THE ABOVE REFERENCED PROPERTY.

THESE WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTION 22A-38.

FLUORESCENT PINK FLAGS WITH A CORRESPONDING LOCATION NUMBER DELINEATE THE BOUNDARY BETWEEN THE UPLAND SOILS AND THE INLAND WETLANDS.

FLAG NUMBERS WF-1 THRU WF-14 AND WF-1A THROUGH WF-96A DELINEATE THE BOUNDARY OF THE PALUSTRINE EMERGENT WETLANDS LOCATED IN THE NORTHERN FIELD AND A PORTION OF THE SOUTHERN FIELDS.

THE MAJORITY OF THE WETLAND SOILS FOUND THROUGHOUT THIS AREA HAVE FORMED AS A RESULT OF PROLONGED WETNESS FROM THE SEASONAL WATER TABLE WHICH IS AT OR NEAR THE SURFACE FOR THE MAJORITY OF THE YEAR.

THEY ARE CHARACTERIZED BY THICK ORGANIC "A" HORIZONS, SHALLOW REDOXIMORPHIC FEATURES, AND LOW CHROMA COLORS WITHIN 20 INCHES OF THE SOIL SURFACE.

IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.

THANK YOU,

*Joseph R. Theroux*

JOSEPH R. THEROUX  
CERTIFIED SOIL SCIENTIST  
MEMBER SSSSNE, NSCSS, SSSA.

450 Head for Water - Hydraulic Analysis

Assum #1 - Pumped GW Through Screen

Permeability Coefficient - Assume 50% Surface Porosity

$$K = \frac{Q}{LA} = \frac{0.005 \times W}{S \times d}$$

- K: Permeability (ft/day)
- W: Upstream Flowing Area = 185 S.F
- S: Average Coefficient = 3.78%
- d: Depth of Packed Water Table (feet) \*

\* Worst Case - Water Table 4 1/2" Below Surface

- Restrictive = 16" (Worst Case)

∴ Depth of Packed Water Table = 11 1/2" = 0.958'

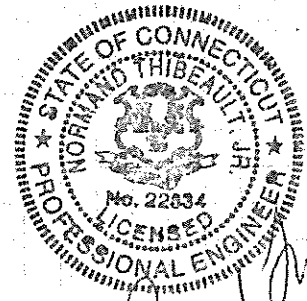
$$K = \frac{(0.005)(185)}{(0.0378)(0.958)} = \underline{25.13 \text{ ft/day}}$$

Method B - OBSERVATION OF DIFFERENCES IN GROUNDWATER LEVEL

$$K = \frac{0.005 \times D}{L \times d}$$

- D: DIST BETWEEN TP'S = 50'
- L: SLOPE BETWEEN TP'S = 3%
- d: DIFFERENCE IN DEPTH OF SATURATED FLOW

$$K = \frac{(0.005)(50')}{(0.03)(0.17')} = \underline{49 \text{ ft/day}}$$



James Thibault  
10/5/2022

Method B - Differences in Groundwater Level  
Utilizing Surface Elevations & 1" Depths

TP 4  
(Stake 2) Ground Elevation = 328.26  
Piezom @ 16"  
GW Elevation = 326.93

TP 3  
(Stake 1) Ground Elevation = 326.76  
Piezom @ 18"  
GW Elevation = 325.25

Slope =  $\frac{326.93 - 325.25}{50} = 3.36\%$

$K = \frac{(0.005)(50')}{(0.036)(0.17)} = \underline{40 \text{ ft/day}}$

Miss: Calculate Miss Utilizing Seepage Rate  
of 25' / Day

$Q = KIA = Ki(d \times L)$

$L = Q / Kid$

Q = Volume of Flow in Cubic Feet per Day

K = Permeability = 25' / Day

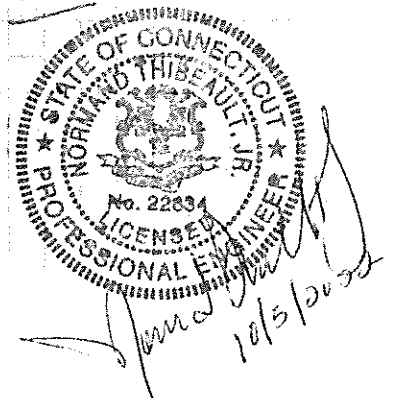
i = Slope = 3.76%

d = Avg Depth Above Impervious Layer in Feet (1.3)

$\frac{1}{3} \text{ Crd / Basin} \times 4 \text{ Basins} = \frac{400 \text{ Crd}}{7.5}$











































= 80 Crd / Day

$L = \frac{80 \text{ Crd/day}}{(25)(0.0376)(1.3)} = \underline{65.2'}$





## MAP LEGEND

	Area of Interest (AOI)		Spoil Area
	Area of Interest (AOI)		Stony Spot
	Soils		Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
	Special Point Features		Water Features
	Blowout		Streams and Canals
	Borrow Pit		Transportation
	Clay Spot		Rails
	Closed Depression		Interstate Highways
	Gravel Pit		US Routes
	Gravelly Spot		Major Roads
	Landfill		Local Roads
	Lava Flow		Background
	Marsh or swamp		Aerial Photography
	Mine or Quarry		
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut

Survey Area Data: Version 21, Sep 7, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 30, 2011—May 21, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

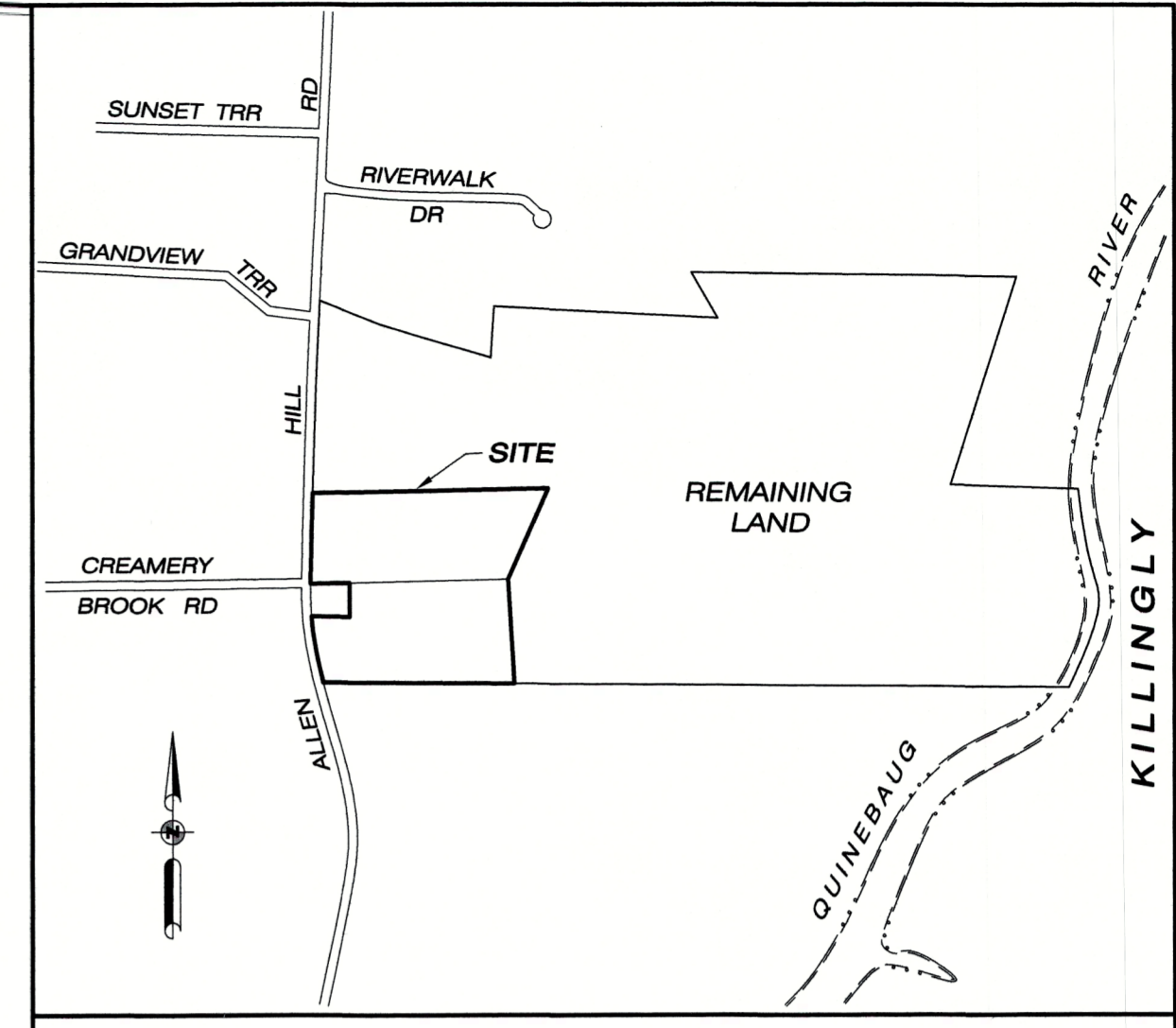
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2	Ridgebury fine sandy loam, 0 to 3 percent slopes	20.6	8.2%
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	9.2	3.7%
15	Scarboro muck, 0 to 3 percent slopes	4.0	1.6%
17	Timakwa and Natchaug soils, 0 to 2 percent slopes	23.2	9.2%
23A	Sudbury sandy loam, 0 to 5 percent slopes	7.0	2.8%
34A	Merrimac fine sandy loam, 0 to 3 percent slopes	14.5	5.8%
34B	Merrimac fine sandy loam, 3 to 8 percent slopes	7.0	2.8%
36A	Windsor loamy sand, 0 to 3 percent slopes	20.1	8.0%
38C	Hinckley loamy sand, 3 to 15 percent slopes	37.3	14.9%
38E	Hinckley loamy sand, 15 to 45 percent slopes	18.2	7.3%
45A	Woodbridge fine sandy loam, 0 to 3 percent slopes	16.5	6.6%
45B	Woodbridge fine sandy loam, 3 to 8 percent slopes	31.2	12.4%
46B	Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	4.4	1.7%
50B	Sutton fine sandy loam, 3 to 8 percent slopes	0.1	0.0%
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony	1.1	0.4%
62D	Canton and Charlton fine sandy loams, 15 to 35 percent slopes, extremely stony	3.4	1.4%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	3.3	1.3%
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	15.5	6.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
84C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes	7.7	3.1%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	0.0	0.0%
86D	Paxton and Montauk fine sandy loams, 15 to 35 percent slopes, extremely stony	0.1	0.0%
108	Saco silt loam	5.9	2.3%
W	Water	0.5	0.2%
<b>Totals for Area of Interest</b>		<b>250.6</b>	<b>100.0%</b>

MAP 32 , LOT 128  
 RA ZONING DISTRICT  
 TOTAL SUBDIVIDED AREA = 26.4± ACRES

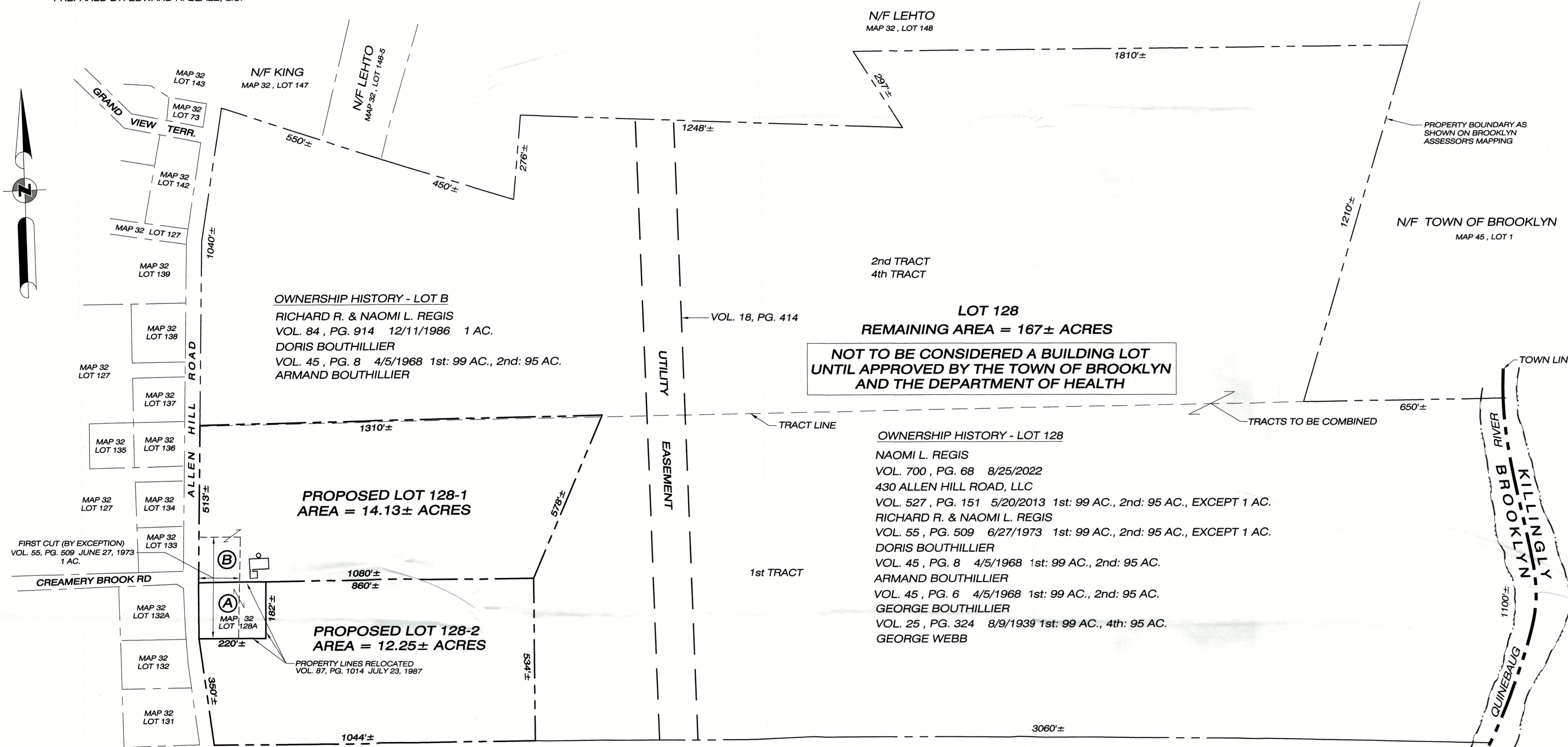
SHEET INDEX	
SHEET 1	COVER SHEET
SHEET 2	SUBDIVISION MAP
SHEET 3	LOT DEVELOPMENT PLAN
SHEET 4	EROSION CONTROL & CONSTRUCTION DETAILS

# SUBDIVISION OF LAND OF NAOMI L. REGIS ALLEN HILL ROAD BROOKLYN , CONNECTICUT OCTOBER 2022



LOCATION MAP 1" = 1000'

LOT 'A' MAP REFERENCE:  
 \*PLAN SHOWING PROPERTY OF RICHARD R. REGIS - ALLEN HILL ROAD  
 BROOKLYN, CONNECTICUT - SCALE: 1"=20' - MARCH 27, 1987  
 PREPARED BY: EDWARD K. BEALE, L.S.\*



**OWNERSHIP HISTORY - LOT B**  
 RICHARD R. & NAOMI L. REGIS  
 VOL. 84 , PG. 914 12/11/1986 1 AC.  
 DORIS BOUTHILLIER  
 VOL. 45 , PG. 8 4/5/1968 1st: 99 AC., 2nd: 95 AC.  
 ARMAND BOUTHILLIER

**LOT 128**  
 REMAINING AREA = 167± ACRES  
**NOT TO BE CONSIDERED A BUILDING LOT  
 UNTIL APPROVED BY THE TOWN OF BROOKLYN  
 AND THE DEPARTMENT OF HEALTH**

**OWNERSHIP HISTORY - LOT 128**  
 NAOMI L. REGIS  
 VOL. 700 , PG. 68 8/25/2022  
 430 ALLEN HILL ROAD, LLC  
 VOL. 527 , PG. 151 5/20/2013 1st: 99 AC., 2nd: 95 AC., EXCEPT 1 AC.  
 RICHARD R. & NAOMI L. REGIS  
 VOL. 55 , PG. 509 6/27/1973 1st: 99 AC., 2nd: 95 AC., EXCEPT 1 AC.  
 DORIS BOUTHILLIER  
 VOL. 45 , PG. 8 4/5/1968 1st: 99 AC., 2nd: 95 AC.  
 ARMAND BOUTHILLIER  
 VOL. 45 , PG. 6 4/5/1968 1st: 99 AC., 2nd: 95 AC.  
 GEORGE BOUTHILLIER  
 VOL. 25 , PG. 324 8/9/1939 1st: 99 AC., 4th: 95 AC.  
 GEORGE WEBB

**OWNERSHIP HISTORY - LOT A**  
 GARY M. & LAURIE A. BARRETTE  
 VOL. 177 , PG. 323 12/10/1996 40,000 S.F. (BEALE SURVEY)  
 RICHARD R. REGIS  
 VOL. 174 , PG. 57 7/24/1996 40,000 S.F. (BEALE SURVEY)  
 SECRETARY OF HOUSING & URBAN DEVELOPMENT  
 VOL. 170 , PG. 214 4/23/1996 40,000 S.F. (BEALE SURVEY)  
 CONSTITUTION MORTGAGE BANKERS, INC.  
 VOL. 170 , PG. 13 4/2/1996 40,000 S.F. (BEALE SURVEY)  
 EUGENE A. & PHYLLIS M. BERNARDI  
 VOL. 119 , PG. 286 11/7/1991 40,000 S.F. (BEALE SURVEY)  
 WILLIAM JR. & TERI J. BRENNAN  
 VOL. 93 , PG. 542 11/14/1988 40,000 S.F. (BEALE SURVEY)  
 THOMAS FENN JR. & SYLVIA BRONWYN RIDER  
 VOL. 87 , PG. 1014 7/23/1987 40,000 S.F. (BEALE SURVEY)  
 RICHARD R. & NAOMI L. REGIS  
 VOL. 84 , PG. 914 12/11/1986 1 AC.  
 DORIS BOUTHILLIER  
 VOL. 45 , PG. 8 4/5/1968 1st: 99 AC., 2nd: 95 AC.  
 ARMAND BOUTHILLIER

THE SUBDIVISION REGULATIONS OF THE TOWN OF BROOKLYN ARE A PART OF THIS PLAN. APPROVAL OF THIS PLAN IS CONTINGENT ON COMPLETION OF THE REQUIREMENTS OF SAID REGULATIONS, EXCEPTING ANY VARIANCE OR MODIFICATIONS MADE BY THE COMMISSION. ANY SUCH VARIANCE OR MODIFICATIONS ARE ON FILE IN THE OFFICE OF THE COMMISSION.

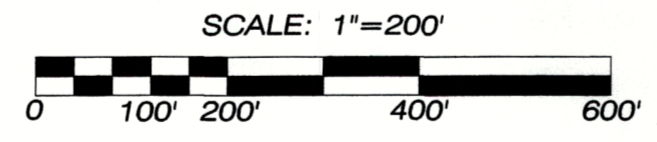
APPROVED BY THE BROOKLYN PLANNING & ZONING COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE BROOKLYN INLAND WETLANDS & WATERCOURSES COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

PER SECTION 8-26 OF THE CONNECTICUT GENERAL STATUTES, AMENDED, APPROVAL AUTOMATICALLY EXPIRES IF ALL PHYSICAL IMPROVEMENTS REQUIRED BY THIS PLAN ARE NOT COMPLETED BY THAT DATE



**OWNER/APPLICANT: NAOMI L. REGIS**  
 240 SOUTH STREET  
 BROOKLYN, CT 06234

**SURVEYOR: PC SURVEY ASSOCIATES, LLC**  
 63 SNAKE MEADOW ROAD  
 KILLINGLY, CT 06239

**ENGINEER: NORMAND THIBEAULT, P.E.**  
 KILLINGLY ENGINEERING ASSOCIATES  
 DANIELSON, CT 06239

NOTE:  
 1. THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT, AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A COMPILATION MAP CONFORMING TO HORIZONTAL ACCURACY CLASS 'D'. THIS MAP WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

*Paul A. Terwilliger*  
 PAUL A. TERWILLIGER, L.S. NO. 70155  
 10/13/2022  
 DATE

SURVEYING • MAPPING • PLOT PLANS

63 SNAKE MEADOW RD  
 KILLINGLY, CT 06239  
 860 774 6230



REMAINING LAND  
AREA = 167± ACRES

NOTES:

- THIS MAP AND SURVEY HAVE BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A SUBDIVISION MAP BASED ON A DEPENDENT RESURVEY & ORIGINAL SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS "A2".
- REFERENCE IS MADE TO THE FOLLOWING MAPS:
  - PLAN SHOWING PROPERTY OF RICHARD R. RAGIS - ALLEN HILL ROAD, BROOKLYN, CONNECTICUT - SCALE: 1"=20' - MARCH 27, 1987 - PREPARED BY: EDWARD K. BEALE, L.S.
  - MONUMENTED PROPERTY SURVEY PLAN PREPARED FOR STATE OF CONNECTICUT DEPARTMENT OF AGRICULTURE FARMLAND PRESERVATION PROGRAM - PROPERTY OF LANGEVIN LIMITED PARTNERSHIP - ALLEN HILL ROAD & CREAMERY BROOK ROAD, BROOKLYN, CONNECTICUT - 346.45 TOTAL ACRES OWNED - 330.50 TOTAL RESTRICTED FARMLAND ACRES - DATE: 10/28/2010 - SCALE: 1"=100' - SHEETS 1 & 2 OF 5 - BY: PROVOST & ROVERO, INC.
- SUBJECT PARCEL IS SHOWN AS MAP 32, LOT 128 OF THE BROOKLYN ASSESSOR'S RECORDS.
- REFERENCE DEED: VOL. 700, PG. 68 OF THE BROOKLYN LAND RECORDS.
- PARCELS 'A' & 'B' ARE TO BE GRANTED TO THE TOWN OF BROOKLYN FOR ROADWAY PURPOSES.
- INLAND WETLANDS DEPICTED AS FIELD DELINEATED BY JOSEPH THEROUX, CPSS ON DECEMBER 20, 2021.
- LOCATION OF OFF SITE IMPROVEMENTS ARE APPROXIMATE.
- SUBDIVIDED LOTS ARE NOT LOCATED WITHIN FEMA 100-YEAR FLOOD ZONE.
- OPEN SPACE REQUIREMENTS SHALL BE MET BY A FEE IN LIEU OF LAND DEDICATION. LOT 128-1 IS TO BE CONVEYED TO A FAMILY MEMBER AND IS THEREBY EXEMPT FROM THE OPEN SPACE REQUIREMENT. AN APPRAISAL OF THE RAW LAND VALUE OF LOT 128-2 SHALL BE USED TO DETERMINE THE AMOUNT OF OPEN SPACE FEE TO BE PAID TO THE TOWN OF BROOKLYN AT THE TIME OF CONVEYANCE.

N/F  
MARTIN D. IMRE  
TINA M. IMRE  
MAP 32, LOT 135

N/F  
A. KAUSCH & SONS, LLC  
MAP 32, LOT 127

N/F  
JEFFREY C. HAKALA  
ASHLEY P. FULTON  
MAP 32, LOT 134

N/F  
GEORGE C. GEER  
JANET M. GEER  
MAP 32, LOT 133

N/F  
ANDREAS G. PARDEN  
MAP 32, LOT 132A

N/F  
NEIL DURAND  
MAP 32, LOT 132

N/F  
WISEDTH SAR  
LAKHANNA E. PICH  
MAP 32, LOT 131

ALLEN HILL ROAD

ALLEN HILL ROAD

PARCEL "A"  
AREA = 0.09± ACRES  
3,756± SQ. FT.

PARCEL "B"  
AREA = 0.05± ACRES  
2,093± SQ. FT.

LOT 128-1  
AREA = 14.13± ACRES  
615,365± SQ. FT.

LOT 128-2  
AREA = 12.25± ACRES  
533,680± SQ. FT.

LOT 128  
REMAINING LAND  
AREA = 167± ACRES  
  
NOT TO BE CONSIDERED A BUILDING LOT  
WITHOUT APPROVAL OF THE TOWN OF BROOKLYN  
AND THE DEPARTMENT OF HEALTH

APPROVED BY THE BROOKLYN INLAND WETLANDS & WATERCOURSES COMMISSION  
  
CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

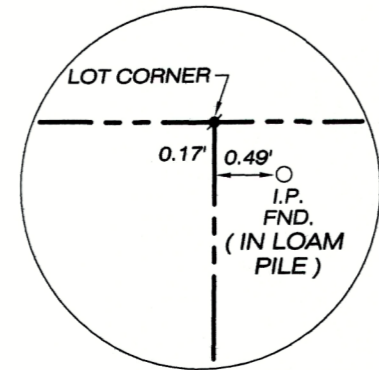
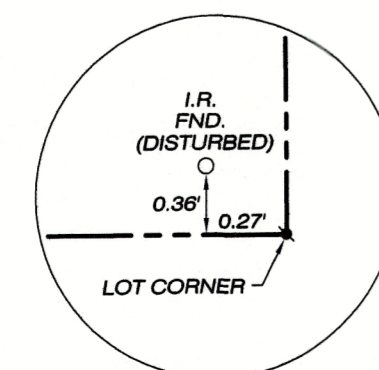
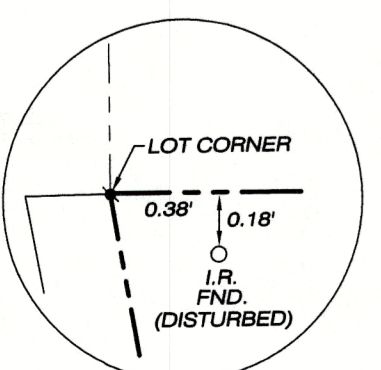
APPROVED BY THE BROOKLYN PLANNING & ZONING COMMISSION  
  
CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

PER SECTION 8-26c OF THE CONNECTICUT GENERAL STATUTES, AMENDED, APPROVAL AUTOMATICALLY EXPIRES IF ALL PHYSICAL IMPROVEMENTS REQUIRED BY THIS PLAN ARE NOT COMPLETED BY THAT DATE

N/F  
LANGEVIN LIMITED PARTNERSHIP  
VOL. 483, PG. 53  
MAP 31, LOT 28C

LEGEND

- IRON PIN / DRILL HOLE FOUND / SET
- STONE WALL
- EDGE OF WETLAND



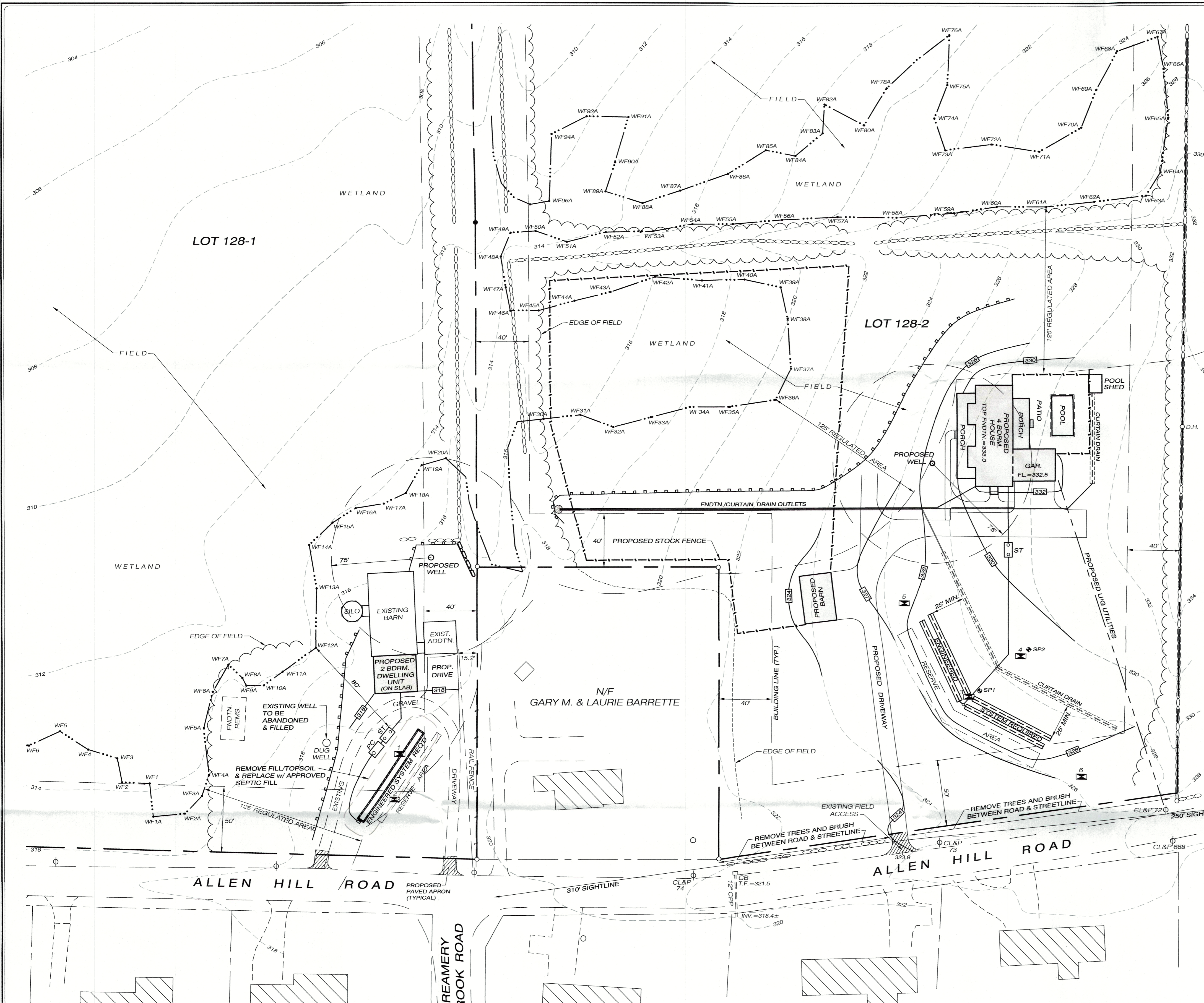
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

*Paul A. Terwilliger*  
PAUL A. TERWILLIGER, L.S. NO. 70155

10/13/2022  
DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE EMBOSSED SEAL OF THE LAND SURVEYOR WHOSE SIGNATURE APPEARS HEREON.

SUBDIVISION MAP		SURVEYING • MAPPING • PLOT PLANS 
LOT LAYOUT PLAN		
PREPARED FOR		63 SNAKE MEADOW RD KILLINGLY, CT 06239 860 774 6230
<b>NAOMI L. REGIS</b>		
ALLEN HILL ROAD		SHEET NO: 2 OF 4
BROOKLYN, CONNECTICUT		
DATE: OCTOBER 2022		REVISED:
SCALE: 1" = 60'		
		JOB NO: 21044   F.B. NO: 219   DRAWN BY: P.A.T.   MAP NO:



- NOTES:**
- THIS MAP AND SURVEY HAVE BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT", AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A GENERAL LOCATION SURVEY BASED ON A DEPENDENT RESURVEY AND ORIGINAL SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2. SEE SHEET 2 FOR PROPERTY LINE INFORMATION. TOPOGRAPHIC FEATURES CONFORM TO TOPOGRAPHIC ACCURACY CLASS T-D. VERTICAL DATUM IS NAVD88.
  - ZONING DISTRICT: R-30
  - PROPOSED IMPROVEMENTS ARE CONCEPTUAL LOCATIONS TO SHOW LOT SUITABILITY ONLY.
  - SOLAR ACCESS WAS CONSIDERED IN THE DESIGN OF THIS SUBDIVISION. THE HOUSE LOCATIONS DEPICTED ARE ONLY CONCEPTUAL IN NATURE AND IT IS UP TO THE LOT DEVELOPER TO TAKE ADVANTAGE OF THE PASSIVE SOLAR OPPORTUNITIES PRESENTED BY THESE LOTS AT THE TIME OF ACTUAL HOUSE CONSTRUCTION. THE DEVELOPER IS ENCOURAGED TO UTILIZE PASSIVE SOLAR TECHNIQUES AND IT IS RECOMMENDED THAT SUCH FACTORS AS HOUSE ORIENTATION, WINDOW LOCATION AND STYLE, CLEARING LIMITS AND POSITION ON THE LOT BE TAKEN INTO CONSIDERATION WHEN DEVELOPMENT OCCURS.
  - THE INLAND WETLANDS & WATERCOURSES WERE FIELD DELINEATED IN AUGUST 2016 BY JOSEPH R. THEROUX, SOIL SCIENTIST.
  - MAXIMUM DRIVEWAY GRADE PERMITTED IS 12%. GRADES OF 10% OR GREATER ARE TO BE PAVED. PROPOSED DRIVEWAY GRADES DEPICTED ARE AT LESS THAN 10%.
  - SEE SHEET 4 FOR EROSION & SEDIMENT CONTROL PLAN.
  - THERE ARE NO APPARENT WELLS WITHIN 75 FEET OF THE PROPOSED SEPTIC AREAS DEPICTED.
  - SEE SHEET 2 FOR PROPERTY BOUNDARY INFORMATION.
  - LOCATION OF OFF-SITE IMPROVEMENTS ARE APPROXIMATE.

N/F  
LANGEVIN LIMITED PARTNERSHIP

SOIL TEST DATA  
SOIL TESTING PERFORMED 2/23/2022

**SEPTIC SYSTEM NOTES - LOT 128-1**

2 BEDROOM DWELLING UNIT  
PERCOLATION RATE: 16 MIN./INCH  
EFFECTIVE LEACHING AREA REQUIRED = 500 SF  
MLSS CALCULATION  
DEPTH TO RESTRICTIVE LAYER = 40" (18")  
SLOPE = 1-2%  
H.F. = 62 x F.F. = 1.0 x P.F. = 1.25 MLSS REQUIRED = 77.5 LF  
MAXIMUM DEPTH INTO GRADE: 22" (REMOVE FILL/TOPSOIL)  
PUMP SYSTEM REQUIRED  
INSTALL ELIEN MANTIS 536-8 LOW-PRO LEACHING UNITS OR  
12" CONC. GALLERIES W/ 4" PERF. PVC IN STONE  
EFFECTIVE LEACHING AREA OF TRENCH = 6.5 SF/LF  
LENGTH OF TRENCH REQUIRED = (500 SF)/(6.5 SF/LF) = 77 LF  
USE ONE 80' TRENCH  
MLSS PROVIDED = 80'  
LEACHING AREA PROVIDED = 520 SF  
SEPTIC TANK: 1000 GALLON  
PUMP CHAMBER: 1000 GALLON

**TP1**

0-22" FILL  
22-25" ORIGINAL TOPSOIL  
25-40" LIGHT BROWN SANDY LOAM  
40-60" GRAY VERY COMPACT SANDY LOAM  
60-69" GROUNDWATER

**MOTTLING AT 40" (18")**  
WATER AT 60"  
NO LEDGE

**TP2**

0-10" TOPSOIL  
10-22" FILL  
22-23" ORIGINAL TOPSOIL  
23-28" DARK BROWN SANDY LOAM  
28-40" TAN FINE SANDY LOAM  
40-68" GRAY VERY COMPACT SANDY LOAM  
68-76" GROUNDWATER

**MOTTLING AT 40" (18")**  
WATER AT 50-68"  
NO LEDGE

**PERCOLATION RATE: 16 MIN./INCH**

**SEPTIC SYSTEM NOTES - LOT 128-2**

4 BEDROOM HOUSE  
PERCOLATION RATE: 10.1-20 MIN./INCH  
EFFECTIVE LEACHING AREA REQUIRED = 787.5 SF  
MLSS CALCULATION  
DEPTH TO RESTRICTIVE LAYER = 18"  
SLOPE = 3:1-4%  
H.F. = 48 x F.F. = 1.75 x P.F. = 1.25 MLSS REQUIRED = 105 LF  
USE STANDARD 12" DEEP x 48" WIDE LEACHING TRENCHES  
MAXIMUM DEPTH INTO GRADE: 0"  
EFFECTIVE LEACHING AREA OF TRENCH = 3.0 SF/LF  
LENGTH OF TRENCH REQUIRED = (787.5 SF)/(3.0 SF/LF) = 262.5 LF  
USE TWO 132' TRENCHES 8' O/C  
MLSS PROVIDED = 132'  
LEACHING AREA PROVIDED = 792 SF  
SEPTIC TANK: 1500 GALLON

**TP3**

0-11" TOPSOIL  
11-18" BROWN SANDY LOAM  
18-41" GRAY VERY COMPACT SANDY LOAM  
41-64" GROUNDWATER

**MOTTLING AT 18"**  
WATER AT 16-41"  
NO LEDGE

**TP4**

0-10" TOPSOIL  
10-16" BROWN SANDY LOAM  
16-48" GRAY VERY COMPACT SANDY LOAM  
48-66" GROUNDWATER

**MOTTLING AT 16"**  
WATER AT 48"  
NO LEDGE

**STANDPIPE MONITORING BY NDDH**

SP1 - TOP OF PIPE TO GRD. = 15"

DATE	READING	DEPTH TO WATER
3/11/2022	19.5"	4.5"
3/15/2022	29"	14"
3/21/2022	34"	19"
3/29/2022	38"	23"
4/4/2022	33"	18"
4/11/2022	30"	15"
4/22/2022	38"	23"
4/29/2022	40"	25"
5/12/2022	41.5"	26.5"

SP2 - TOP OF PIPE TO GRD. = 14.5"

DATE	READING	DEPTH TO WATER
3/11/2022	19"	4.5"
3/15/2022	28"	13.5"
3/21/2022	32"	17.5"
3/29/2022	35"	20.5"
4/4/2022	31.75"	17.25"
4/11/2022	29"	14.5"
4/22/2022	36.5"	21.5"
4/29/2022	39"	24.5"
5/12/2022	42"	27.5"

SOIL TESTING PERFORMED 8/9/2022

**TP5**

0-8" TOPSOIL  
8-18" BROWN FINE SANDY LOAM  
18-78" MOTTLED GRAY COMPACT SANDY LOAM

**MOTTLING AT 18"**  
NO WATER  
NO LEDGE

**TP6**

0-10" TOPSOIL  
10-20" BROWN FINE SANDY LOAM  
20-69" MOTTLED GRAY COMPACT SANDY LOAM

**MOTTLING AT 20"**  
NO WATER  
NO LEDGE

**PERCOLATION RATE: 10.1-20 MIN./INCH**

UNDERGROUND UTILITY LOCATIONS ARE TO BE MARKED IN THE FIELD PRIOR TO ANY EXCAVATION  
"CALL BEFORE YOU DIG" 1 800 922 4455

APPROVED BY THE BROOKLYN INLAND WETLANDS & WATERCOURSES COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE BROOKLYN PLANNING & ZONING COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

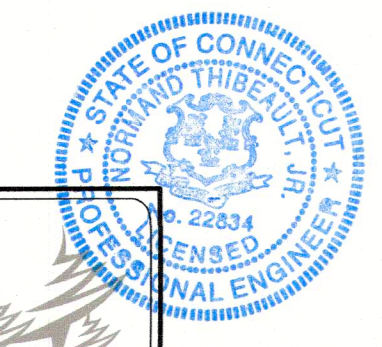
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

*Paul A. Terwilliger*  
PAUL A. TERWILLIGER, L.S. NO. 70155  
10/13/2022 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE EMBOSSED SEAL OF THE LAND SURVEYOR WHOSE SIGNATURE APPEARS HEREON.

- LEGEND**
- IRON PIN / DRILL HOLE FOUND
  - IRON ROD SET
  - - - EXISTING CONTOUR
  - - - PROPOSED CONTOUR
  - +202.5 PROPOSED SPOT GRADE
  - ⊠ TEST PIT
  - ⊕ STANDPIPE
  - ⊔ EROSION CONTROL BARRIER
  - ⋯ EDGE OF WETLAND

**Killingly Engineering Associates**  
114 Westcott Road  
P.O. Box 421  
Dayville, Connecticut 06241  
860 779 7299



*Normand Thibault* 10/31/2022 DATE  
NORMAND THIBAUT, JR., P.E. No. 22234

**GENERAL LOCATION SURVEY**

**SUBDIVISION LOT DEVELOPMENT PLAN**

PREPARED FOR  
**NAOMI L. REGIS**

ALLEN HILL ROAD  
BROOKLYN, CONNECTICUT

DATE: OCTOBER 2022  
SCALE: 1" = 40'

63 SNAKE MEADOW RD  
KILLINGLY, CT 06239  
860 774 6230

SHEET NO: 3 OF 4  
REVISED:

JOB NO: 21044 F.B. NO: 219 DRAWN BY: P.A.T. MAP NO:

ALL EROSION AND SEDIMENT CONTROL MEASURES AND PROCEDURES SHALL CONFORM TO CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, MAY 2002.

**DEVELOPMENT**

PROPOSED DEVELOPMENT WILL CREATE 2 NEW BUILDING LOTS. ACTIVITIES TO INCLUDE CONSTRUCTION OF DRIVEWAYS, HOUSES, SEPTIC SYSTEMS, WELLS, AND SITE GRADING. THE PRIMARY CONCERN OF THIS EROSION & SEDIMENT CONTROL PLAN IS TO PREVENT EXCESSIVE EROSION AND KEEP ERODED SEDIMENT FROM RUNNING OFF SITE OR INTO WETLAND AREAS. NO MATERIAL SHALL BE PLACED WITHIN A REGULATED WETLAND AREA EITHER ON OR OFF SITE.

**CONSTRUCTION SEQUENCE: (INDIVIDUAL LOT DEVELOPMENT)**

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES ALONG DOWN SLOPE SIDE OF THE PROPOSED LIMITS OF DISTURBANCE.
2. STRIP & STOCKPILE TOPSOIL.
3. PROVIDE ANTI TRACKING PAD AND TEMPORARY POWER TO THE SITE.
4. EXCAVATE FOUNDATION AND BEGIN CONSTRUCTION OF RESIDENCE.
5. INSTALL SEPTIC SYSTEM AND WELL.
6. PROVIDE DRIVEWAY AND UTILITIES TO THE RESIDENCE.
7. LOAM, SEED & MULCH DISTURBED AREAS.
8. REMOVE EROSION AND SEDIMENT CONTROL WHEN VEGETATIVE COVER HAS BEEN ESTABLISHED.

**GENERAL DEVELOPMENT PLAN**

PRIOR TO THE COMMENCEMENT OF OPERATIONS IN ACCORDANCE WITH ANY PERMIT ISSUED BY THE TOWN OF BROOKLYN PLANNING AND ZONING COMMISSION, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES.

THE CONTRACTOR SHALL OBTAIN A SITE INSPECTION FROM THE TOWN OF BROOKLYN ZONING ENFORCEMENT OFFICER OR WETLANDS AGENT TO ENSURE THAT ALL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED IN ACCORDANCE WITH THIS NARRATIVE. UPON APPROVAL WITH RESPECT TO THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES, THE CONTRACTOR MAY COMMENCE OPERATIONS PURSUANT TO THE PERMIT. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE "SILT FENCE INSTALLATION & MAINTENANCE" AND "HAY BALE INSTALLATION & MAINTENANCE" SECTIONS OF THIS NARRATIVE.

ALL STRIPPING IS TO BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. TOPSOIL SHALL BE STOCKPILED SO THAT SLOPES DO NOT EXCEED 2 TO 1. THERE SHALL BE NO BURIAL OF STUMPS. A HAY BALE SEDIMENT BARRIER IS TO SURROUND EACH STOCKPILE AND A TEMPORARY VEGETATIVE COVER PROVIDED IF NECESSARY.

DUST CONTROL WILL BE ACCOMPLISHED BY SPRAYING WITH WATER.

FINAL STABILIZATION OF THE SITE IS TO FOLLOW THE PROCEDURES OUTLINED IN PERMANENT VEGETATIVE COVER. IF NECESSARY A TEMPORARY VEGETATIVE COVER IS TO BE PROVIDED UNTIL A PERMANENT COVER CAN BE APPLIED.

DURING THE STABILIZATION PERIOD, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL EROSION AND SEDIMENT CONTROL ON A TWICE-WEEKLY BASIS DURING THE STABILIZATION PERIOD AND AFTER EACH STORM EVENT. DURING THE STABILIZATION PERIOD WITH RESPECT TO THE SITE, ANY EROSION WHICH OCCURS WITHIN DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED, RESEEDED AND RE-ESTABLISHED.

ALL DISTURBED SLOPES SHALL BE STABILIZED WITHIN ONE SEASON (SPRING OR FALL) OF THE COMPLETION OF THE PROJECT BEFORE A CERTIFICATE OF COMPLIANCE WILL BE ISSUED.

ONCE STABILIZATION HAS BEEN COMPLETED AND APPROVED BY THE TOWN OF BROOKLYN ZONING ENFORCEMENT OFFICER, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED BY THE CONTRACTOR.

**SILT FENCE INSTALLATION AND MAINTENANCE:**

1. DIG A 6" DEEP TRENCH ON THE UPHILL SIDE OF THE BARRIER LOCATION.
2. POSITION THE POSTS ON THE DOWNHILL SIDE OF THE BARRIER AND DRIVE THE POSTS 1.5 FEET INTO THE GROUND.
3. LAY THE BOTTOM 6" OF THE FABRIC IN THE TRENCH TO PREVENT UNDERMINING AND BACKFILL.
4. INSPECT AND REPAIR BARRIER AFTER HEAVY RAINFALL.
5. INSPECTIONS WILL BE MADE AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER TO DETERMINE MAINTENANCE NEEDS.
6. SEDIMENT DEPOSITS ARE TO BE REMOVED WHEN THEY REACH A HEIGHT OF 1 FOOT BEHIND THE BARRIER OR HALF THE HEIGHT OF THE BARRIER AND ARE TO BE DEPOSITED IN AN AREA WHICH IS NOT REGULATED BY THE INLAND WETLANDS COMMISSION.
7. REPLACE OR REPAIR THE FENCE WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE FENCE HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE FENCE BECAUSE:
  - THE FENCE HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER,
  - THE FENCE HAS BEEN MOVED OUT OF POSITION, OR
  - THE GEOTEXTILE HAS DECOMPOSED OR BEEN DAMAGED.

**HAY BALE INSTALLATION AND MAINTENANCE:**

1. BALES SHALL BE PLACED AS SHOWN ON THE PLANS WITH THE ENDS OF THE BALES TIGHTLY ABUTTING EACH OTHER.
2. EACH BALE SHALL BE SECURELY ANCHORED WITH AT LEAST 2 STAKES AND GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER FROM PASSING BETWEEN THE BALES.
3. INSPECT BALES AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER TO DETERMINE MAINTENANCE NEEDS.
4. REMOVE SEDIMENT BEHIND THE BALES WHEN IT REACHES HALF THE HEIGHT OF THE BALE AND DEPOSIT IN AN AREA WHICH IS NOT REGULATED BY THE INLAND WETLANDS COMMISSION.
5. REPLACE OR REPAIR THE BARRIER WITHIN 24 HOURS OF OBSERVED FAILURE. FAILURE OF THE BARRIER HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE BARRIER BECAUSE:
  - THE BARRIER HAS BEEN OVERTOPPED, UNDERCUT OR BYPASSED BY RUNOFF WATER,
  - THE BARRIER HAS BEEN MOVED OUT OF POSITION, OR
  - THE HAY BALES HAVE DETERIORATED OR BEEN DAMAGED.

**TEMPORARY VEGETATIVE COVER**

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSENEED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY A JUTE NETTING COVER TO SLOPES OF 3:1 OR GREATER SLOPE.

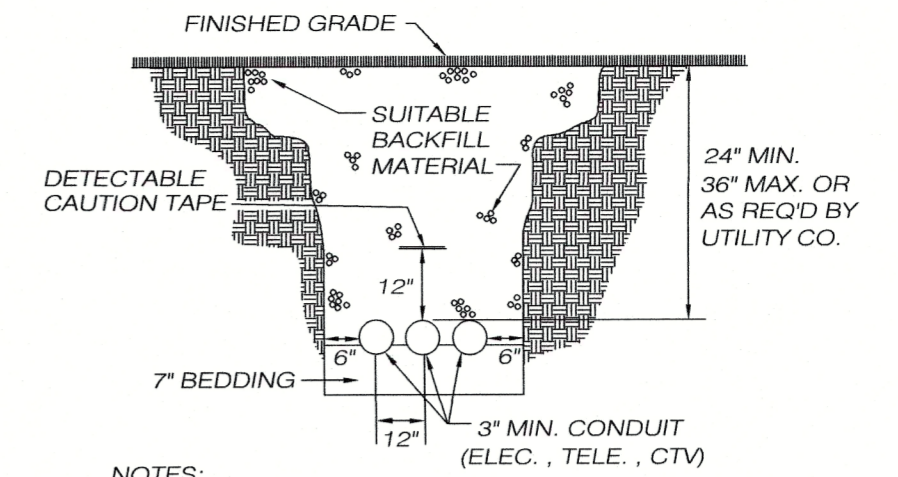
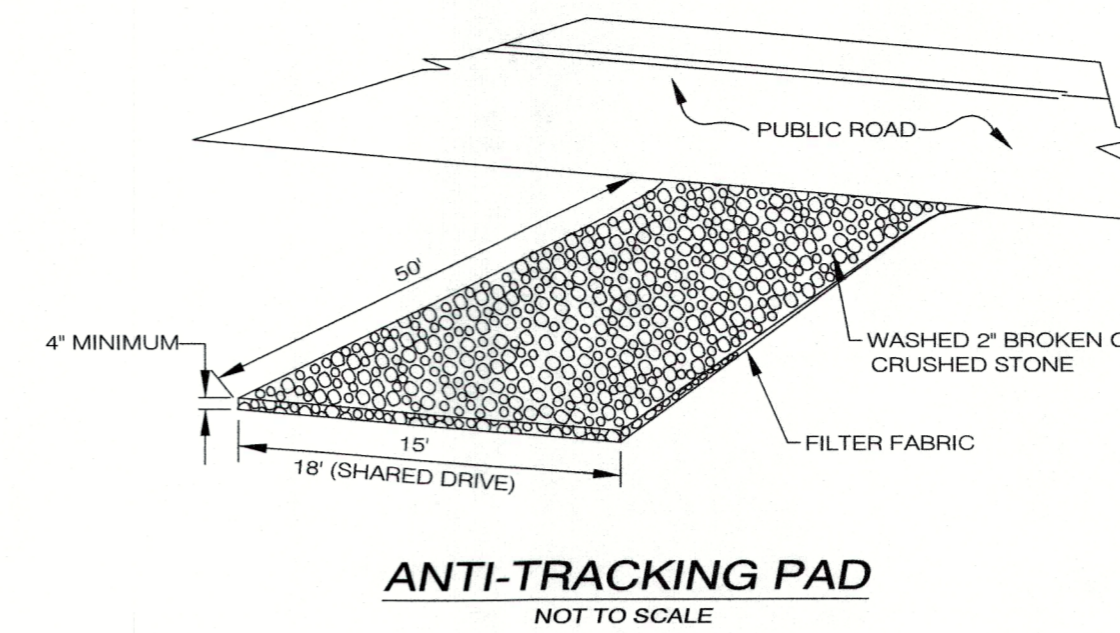
**PERMANENT VEGETATIVE COVER**

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATION AND FILL PLACEMENT HAS BEEN COMPLETED AND THE SLOPES ARE GRADED TO A SLOPE NO GREATER THAN 2 TO 1. PROVIDE SLOPE PROTECTION ON ALL CUT SLOPES. TOPSOIL WILL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS. APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F. APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER S.F. WORK LIMESTONE INTO THE SOIL TO A DEPTH OF 4 INCHES. INSPECT SEEDBED BEFORE SEEDING. IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS. APPLY THE FOLLOWING GRASS SEED MIX:

SEED MIXTURE	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.45
CREeping RED FESCUE	20	0.45
PERENNIAL RYEGRASS	5	0.10
	45	1.00

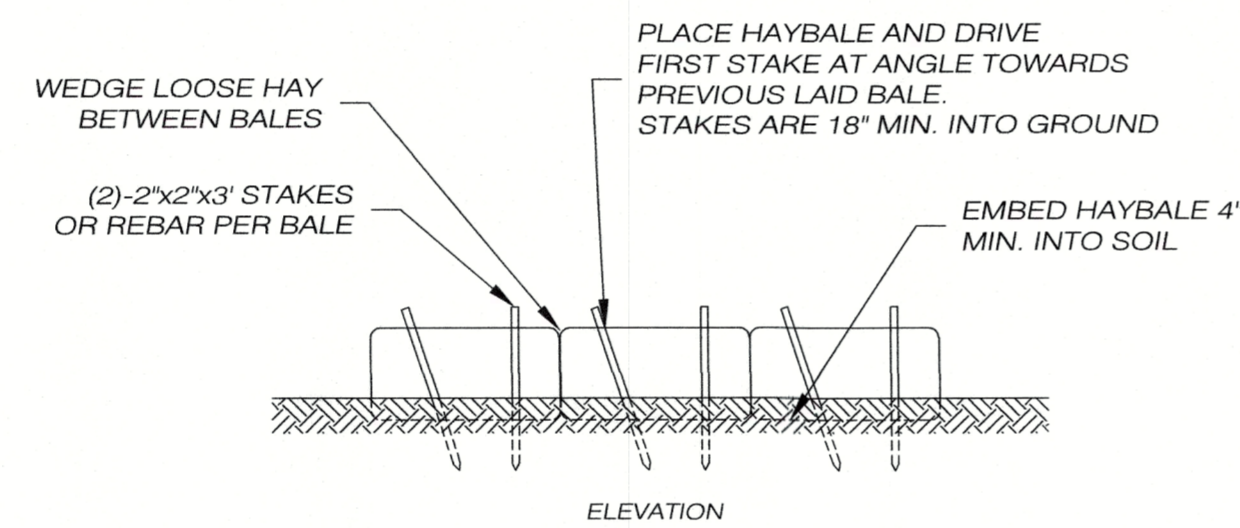
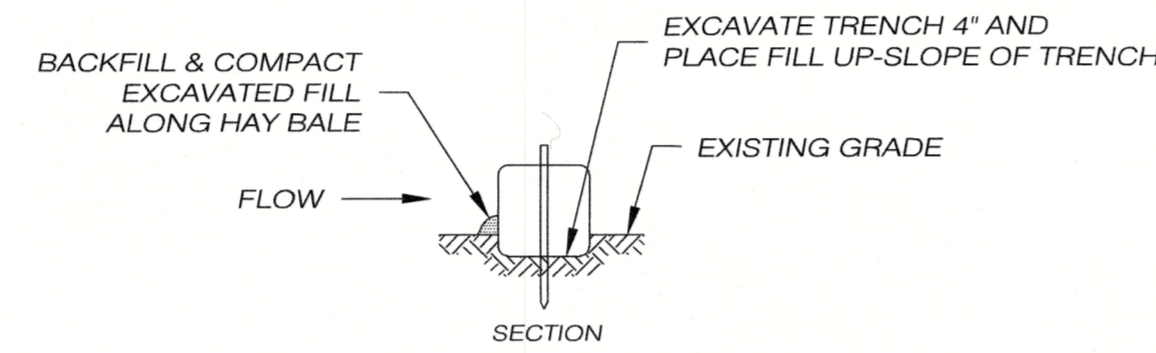
THE RECOMMENDED SEEDING DATES ARE: APRIL 1 - JUNE 15 AND AUGUST 1 - SEPTEMBER 15

FOLLOWING SEEDING MULCH WITH WEED FREE STRAW AND APPLY A JUTE NETTING COVER TO AREAS OF 3:1 OR GREATER SLOPE

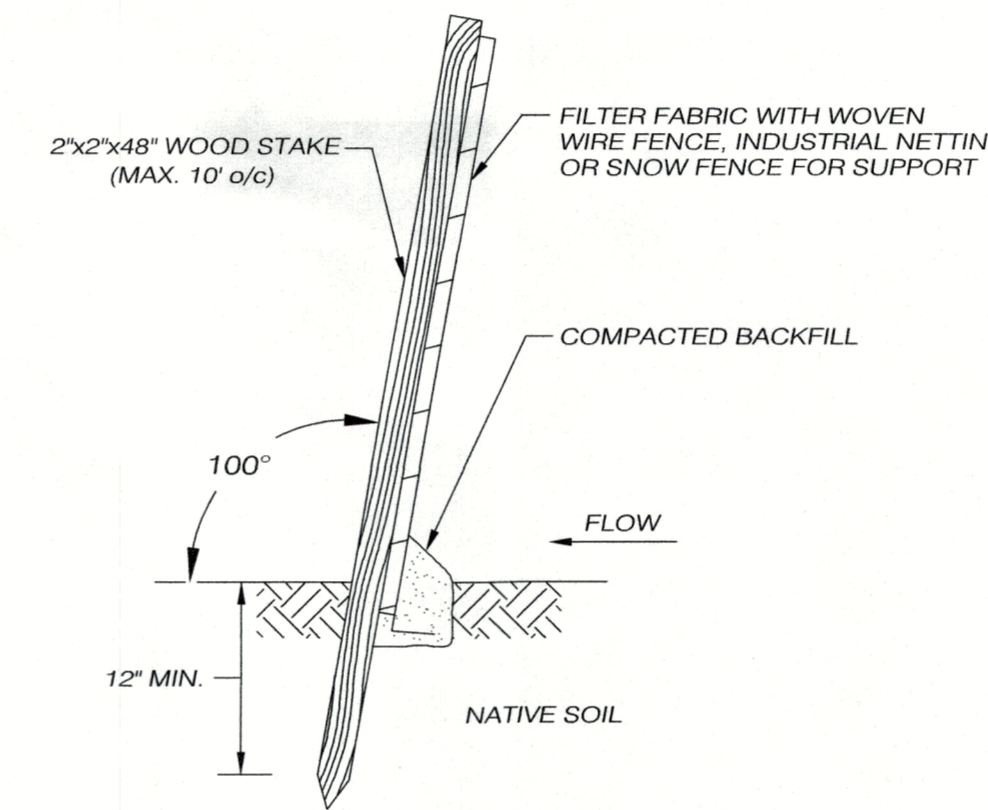


- NOTES:
1. OSHA STANDARDS REQUIRE THAT SPOILS BE PLACED 24" MIN. FROM EDGE OF TRENCH.
  2. SUITABLE BACKFILL SHALL NOT CONTAIN ASH, CINDER, SHELL, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" MAX. DIMENSION.
  3. FUEL OR WATER LINES SHALL BE NO CLOSER THAN 18" IN ANY DIRECTION.

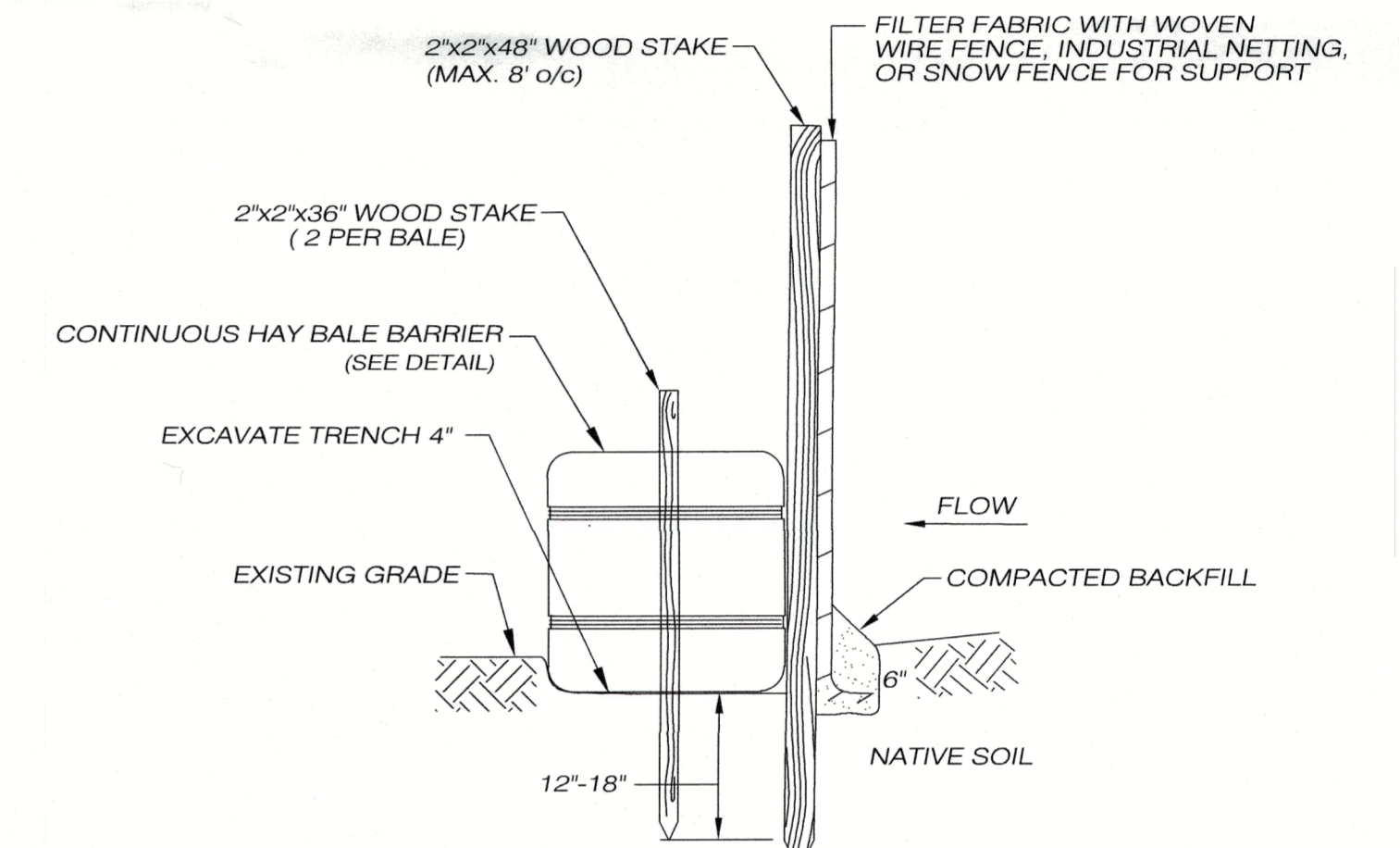
**UTILITY TRENCH DETAIL**  
NOT TO SCALE



**HAY BALE BARRIER DETAIL**  
NOT TO SCALE



**SILT FENCE DETAIL**  
NOT TO SCALE



**HAY BALE BACKED SILT FENCE DETAIL**  
NOT TO SCALE

APPROVED BY THE BROOKLYN PLANNING & ZONING COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE BROOKLYN INLAND WETLANDS & WATERCOURSES COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

PER SECTION 8-26c OF THE CONNECTICUT GENERAL STATUTES, AMENDED, APPROVAL AUTOMATICALLY EXPIRES IF ALL PHYSICAL IMPROVEMENTS REQUIRED BY THIS PLAN ARE NOT COMPLETED BY THAT DATE



**Killingly Engineering Associates**  
114 Westcott Road  
P.O. Box 421  
Dayville, Connecticut 06241  
860 779 7299

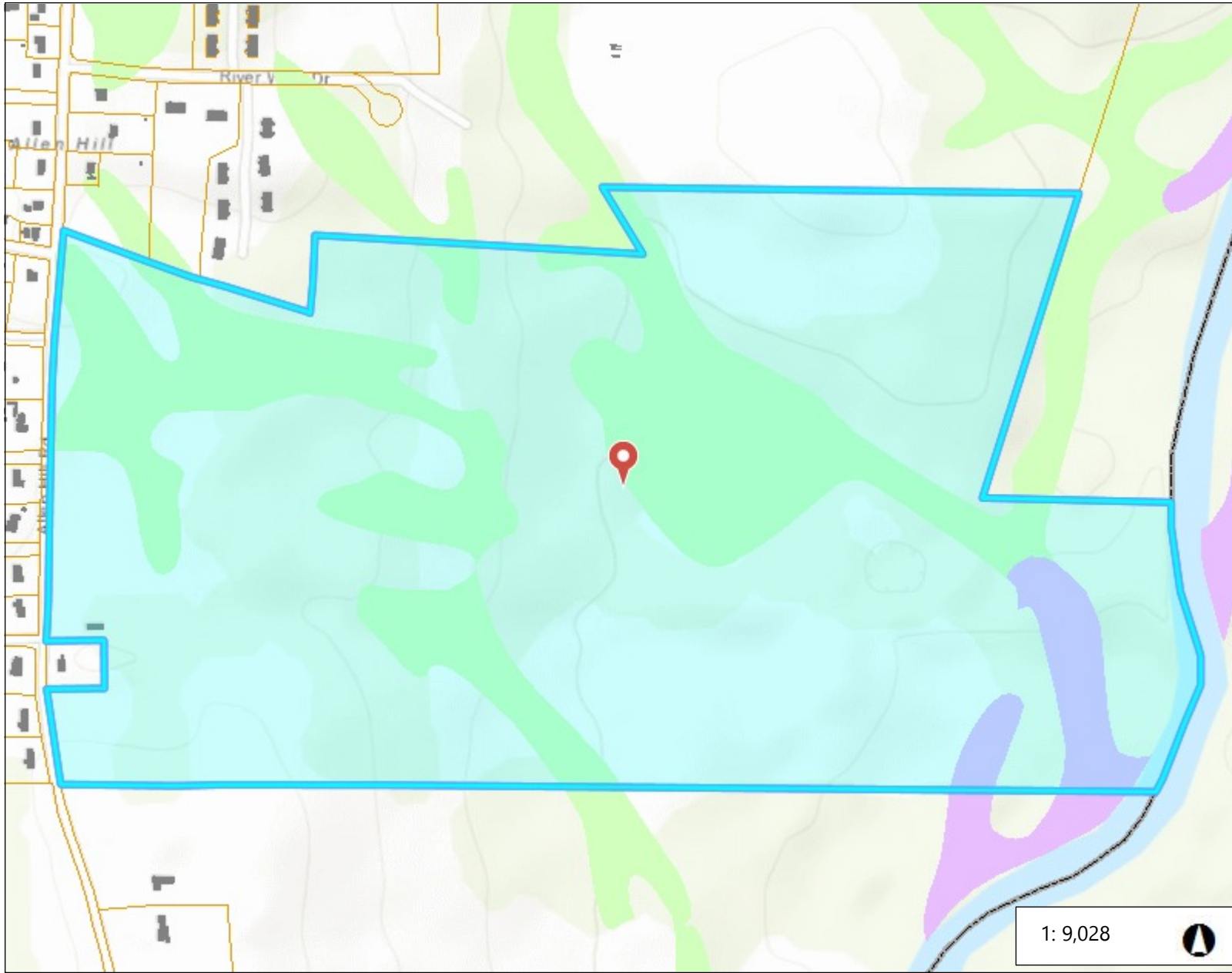
*Norman Thibault, Jr.* 10/31/2022  
NORMAND THIBAUT, JR., P.E. No. 22834 DATE

<p>SUBDIVISION OF LAND EROSION CONTROL PLAN &amp; CONSTRUCTION DETAILS</p> <p>PREPARED FOR</p> <p><b>NAOMI L. REGIS</b></p>		<p>LAND RECORD RESEARCH</p> <p>email: pcsurvey@snet.net</p> <p>63 SNAKE MEADOW RD KILLINGLY, CT 06239 860 774 6230</p>
<p>ALLEN HILL ROAD BROOKLYN, CONNECTICUT</p> <p>DATE: OCTOBER 2022</p> <p>SCALE: 1" = AS NOTED</p>		
<p>0 0.5' 1' 2' 3'</p>		<p>SHEET NO: 4 OF 4</p> <p>REVISED:</p>
JOB NO: 21044	F.B. NO: N/A	DRAWN BY: P.A.T. MAP NO:



neccog

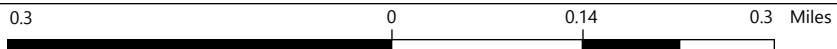
Neccog GIS Site



Legend

-  Town
-  Buildings 2012
-  Parcels
- Wetlands
  -  Alluvial and Floodplain Soils
  -  Poorly Drained and Very Poorly Dr

1: 9,028



WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Map 32 Lot 128  
Allen Hill Road

**TOWN OF BROOKLYN**

**Inland Wetlands Budget FY23**

From Date: 10/1/2022

To Date: 10/31/2022

Fiscal Year: 2022 - 2023

Account Number	Description	Adj. Budget	Current	YTD	Balance	Encumbrance	Budget Bal	%Bud
1005.41.4163.51900	Inland Wetlands-Wages-Recording Secretary	\$1,200.00	\$100.00	\$225.00	\$975.00	\$0.00	\$975.00	81.25%
1005.41.4163.53020	Inland Wetlands-Legal Fees	\$3,500.00	\$302.25	\$448.50	\$3,051.50	\$0.00	\$3,051.50	87.19%
1005.41.4163.53200	Inland Wetlands-Professional Affiliations	\$65.00	\$0.00	\$0.00	\$65.00	\$0.00	\$65.00	100.00%
1005.41.4163.53400	Inland Wetlands-Professional Services	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	100.00%
1005.41.4163.55400	Inland Wetlands-Advertising & Legal Notices	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	100.00%
1005.41.4163.55500	Inland Wetlands-Printing & Publications	\$120.00	\$0.00	\$0.00	\$120.00	\$0.00	\$120.00	100.00%
<b>Grand Total:</b>		<b>\$5,885.00</b>	<b>\$402.25</b>	<b>\$673.50</b>	<b>\$5,211.50</b>	<b>\$0.00</b>	<b>\$5,211.50</b>	<b>88.56%</b>

End of Report