

Margaret Washburn

From: Carpenter, Alan (P.E.) <acarpenter@cphcorp.com>
Sent: Tuesday, June 01, 2021 9:44 AM
To: Margaret Washburn
Cc: Carpenter, Alan (P.E.)
Subject: FW: Kausch Wetland application 041321D PH Sign

Margaret,

I took the photo below of the 'posting' sign for the above application last Thursday 5-27-21 at 3:53PM. In my opinion, in clear violation of Brooklyn IWWC Regulation Section 9 - 9.3.c.

Also as an abutter we have not received the mailed notice required by Section 9 – 9.3.

Please let me know if you have any questions. Thank you.

Alan R. Carpenter, PE
Vice President / Associate
o 508.659.7020 (Ext. 6401)
c 860.208.3394
ACarpenter@cphcorp.com



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From: Carpenter, Alan (P.E.) <acarpenter@cphcorp.com>
Sent: Tuesday, June 1, 2021 9:31 AM
To: Carpenter, Alan (P.E.) <acarpenter@cphcorp.com>
Subject: Kausch PH sign



Margaret Washburn

From: Carpenter, Alan (P.E.) <acarpenter@cphcorp.com>
Sent: Monday, May 24, 2021 1:13 PM
To: Margaret Washburn
Cc: Carpenter, Alan (P.E.); Heidi Carpenter; president@local882.org; Eric Strandson
Subject: RE: Kausch and Son - Wetland Application 041321D - 23 White Brook Drive Abutter input.
Attachments: Kausch Wetland Application Review Letter 5-24-21.ARC.pdf; pg 3 Kausch - Church Street Eng Plan with Comments 5-24-21.ARC.pdf; Kausch - Church Street survey with Comments 5-24-21.ARC.pdf; Kausch Wetland App and DEP form with Comments 5-24-21.ARC.pdf

Margaret,

I have reviewed the file for the above application and provide the attached documents for your and the Commission's consideration.

I have printed 5 hard copies which I will drop off to your office tomorrow morning.

Thank you for the opportunity to express my concerns. My primary concern is that the installation of the driveway not cause an impoundment of water damaging to my property. My neighbors likely have the same concern. And that if the project is approved the approval conditions and follow-through by the applicant be tight and stringent to make sure they meet their commitment entirely. If there is another viable alternative, it should be evaluated and considered before the wetlands are impacted.

In my opinion, they still have work to do for a complete application for your Commission to make the most informed decision. I will plan to attend the next meeting, June 8th?

Thank you for all you to for Brooklyn.

Alan R. Carpenter, PE
Vice President / Associate
o 508.659.7020 (Ext. 6401)
c 860.208.3394
ACarpenter@cphcorp.com



Full Service A&E Firm
[Facebook](#) | [LinkedIn](#)

Margaret Washburn
ZEO/WEO/Blight Enforcement Officer
69 South Main Street, Suite 23
Brooklyn, CT 06234

RE: Kausch & Sons LLC Lots 019-37-17, 019-37-20 & 019-37-21
Wetland Application 041321D

Dear Margaret,

As an abutter to the subject property and with potential impacts to my property as an abutter, I have offer the following input:

1. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5a, the plans do not contain the Applicant's home, business mailing address, and telephone number. The application lacks the Applicant's phone, email address, and is therefore incomplete. The application also states that the property is not within 500 feet of an adjoining municipality when, in fact, lot 17 abuts the Brooklyn/Pomfret Town Line.
2. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5b, the plans do not contain the owner's name, mailing address, telephone number and consent of the landowner.
3. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5c, there is no statement of the Applicant's interest in the land.
4. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5d, there is no notes on the plans relating to the area(s) of wetlands (in acres and square feet) of wetlands to be disturbed, soil type(s) and wetland vegetation.
5. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5e, the plans do contain locations and details for the installation of Erosion and Sedimentation control measures (silt fence), the proper installation of these measures prior to any clearing or land disturbance or construction is critical to their intended and proper function. If the project is approved, I would request that a condition of approval be the that the E and S controls are installed the installation is approved by the WEO prior to any land disturbance and monitored and maintained during construction and not removed until substantial germination of land stabilization has been established, post construction.
6. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5f. There does not appear to be any discussion or depiction of 'Alternative which would cause less or no environmental impact to wetlands or watercourses'. By my review of the plan, it appears that such an Alternative does existing in the access strip to Pomfret Landing. That 'Alternative' does not appear to have any wetlands along that route and therefore NO wetlands would be impacted by that route. (see attached sketch). It should at least be shown on the plan as an Alternative. The Soil Scientist report addresses it but the plan does not show the wetland or its limits. Without that information being located and quantified, that Alternative should not be discredited.

7. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5g, there does not appear to be any discussion on the additional impacts caused by the proposal. While the plan shows the proposed driveway and the engineering of the proposed driveway grading and drainage with minimization of impacts at the wetland crossings, there does not appear to be a proposed 'limit of disturbance', nor any ancillary utilities (power and communications) line locations, at a minimum. These utility installations to service the proposed structures will likely cause additional impacts and disturbances to the wetlands, not currently shown. That additional necessary infrastructure should be shown and its additional impacts considered in the plan and decision. In addition, there does not appear to be any roadside grading consideration for the conveyance of overland water flow from the abutting properties to the north. If this is not addressed the proposed driveway may cause an impounded or run-off and potentially negatively impact the abutting land and its owners.
8. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5h, the plan does contain the names of the adjacent landowners but not their addresses.
9. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5i. The plans do not appear to contain a statement by the applicant that the applicant is familiar with all information provided and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.
10. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5j, the plans should contain a statement for 'Authorization for the members and agents of the Commission to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit'.
11. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.5k. It appears that the applicant has completed the DEP reporting form. It states that the wetland impacts are 0.08 acres (3,484.8 Square feet) this information is not included on the plan. It also states that the UPLAND AREA ALTERED is .005 acres (217.8 Square feet); this appears to be under calculated and under reported. The proposed driveways serving the two proposed structures are within upland review area and include silt fence installation and grading for the driveways and yard areas, all disturbances with the UPLAND AREA ALTERED by the proposal. The applicant should recalculate the disturbed area and re-file the form.
12. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6b, the project Engineer has provided hydrologic and hydraulic calculations in accordance with the Town of Brooklyn Wetlands and Subdivision regulations. The report appears to demonstrate compliance that the hydrologic and hydraulic calculation for the pipe crossings proposed. The installation of the driveway will create an impoundment to the upland areas including abutting properties; information from the report includes an increase of the upland impoundment by 1.13-feet and potential causing impoundment of water on upland properties. The hydraulic profile could potentially be lowered by the addition of additional crossing pipes thereby lowering the projected hydraulic headwater profile. Any impoundment of water from the proposed improvements affecting my property is unacceptable and potentially damaging to my land. The creation of new impervious areas on the two lots will cause additional run-off from the development, increasing the run-off CN. This increase in run-off should be addressed in the Engineers calculations and attenuated to limit downstream impacts from increase in run-off created by the addition of new impervious surfaces. I have reviewed the hydraulic calculations

for the pipe crossings. There appears to be a conflict between the summary table and the Culvert Report summaries particularly for crossing number 2. The summary report shows '3X15' where the Culvert Report appears to only model for '2X15'. Because there are numerous upland properties potentially impacted by the impoundment, the plans should be modified to demonstrate NO impact on the abutting properties. The plan and profile detail for the culvert crossings should be provided in more detail as it appears that when the design storm is applied and the headwater condition elevates as modeled the run-off water will likely bypass the culvert and potentially washout (erode) the driveway east and west of the culvert crossing. The use of elliptical pipes may help keep the headwater profile as low as possible or moving the driveway south could reduce the potential impact of the impoundment on the abutters.

13. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6b, more plan detail and amendments to the design and report inconsistencies should be addressed.
14. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6c, more plan detail is needed to fully document the soils mapping limits on the plans.
15. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6d, the ecological report does not address impacts on the ecological communities. More detail of the anticipated impacts is needed.
16. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6e, the applicant has not demonstrated any attempt to address 'feasible and prudent alternates' and should do so as required by this section of the regulations.
17. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6f., as the applicant is proposing 'fill' for the proposed driveway, the source for the fill should be identified and an 'analysis of the chemical' and 'physical characteristics of the fill material' should be provided. After the applicant has committed to the fill source, assurances of compliance with the commitment should be included in the approval condition and documentation provided via 'bills of lading' from the source, provided to the ZEO.
18. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.6g, the plans should include management practices and other measures designed to mitigate the impact of the proposed activity. These measures should be well detail and included in the plans and be part of the approval conditions to provide assurances that the applicant, if approved commits the applicant's follow-through.
19. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.7a, as lot 17 is part of the application, the applicant should certify 'positively' that 'any portion of the portion of the property on which regulated activity is proposed is located within 500 feet of an adjoining municipality.
20. Pursuant to Brooklyn Inland Wetlands and Watercourses Regulations Section 7, 7.7b, applicant should provide documentation of traffic impacts.

The above represent my concerns for the proposed plan as it pertains the Compliance with the Brooklyn Inland Wetlands and Watercourses regulations. The plans and reporting documentation appear to be lacking much of the information required for the Commission to make a fully informed decision on the application. My primary concerns, as an abutter, is that if the project is approved that there be no permanent irreparable damage to my property, that the water conveyance from my land be addressed and be allowed to continue to discharge from

my land unimpeded, as it currently does and the impoundment being created by the installation of the proposed driveway does not cause ANY impact to my property.

Secondly, the condition of approval and post approval construction compliance with the approved plans and approval conditions are crucial to a successful result. Close monitoring of construction compliance by the Commission's designee (ZEO) is necessary and preparation of an 'as-built' plan is needed post construction to confirm compliance with the approved plan. This condition should be met prior to the issuance of any building permits for the proposed dwellings.

The above input has been provided based on my review of plans dated 4-30-21 and application information obtained from the applicants filings for the project. I would like the ability to review and comment on any future plans or supporting document submittals.

Thank you for your consideration of the above and the attached.

Sincerely,



Alan R. Carpenter, PE, Abutter

23 White Brook Drive, Brooklyn, CT 06234

LEGEND

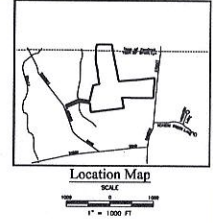
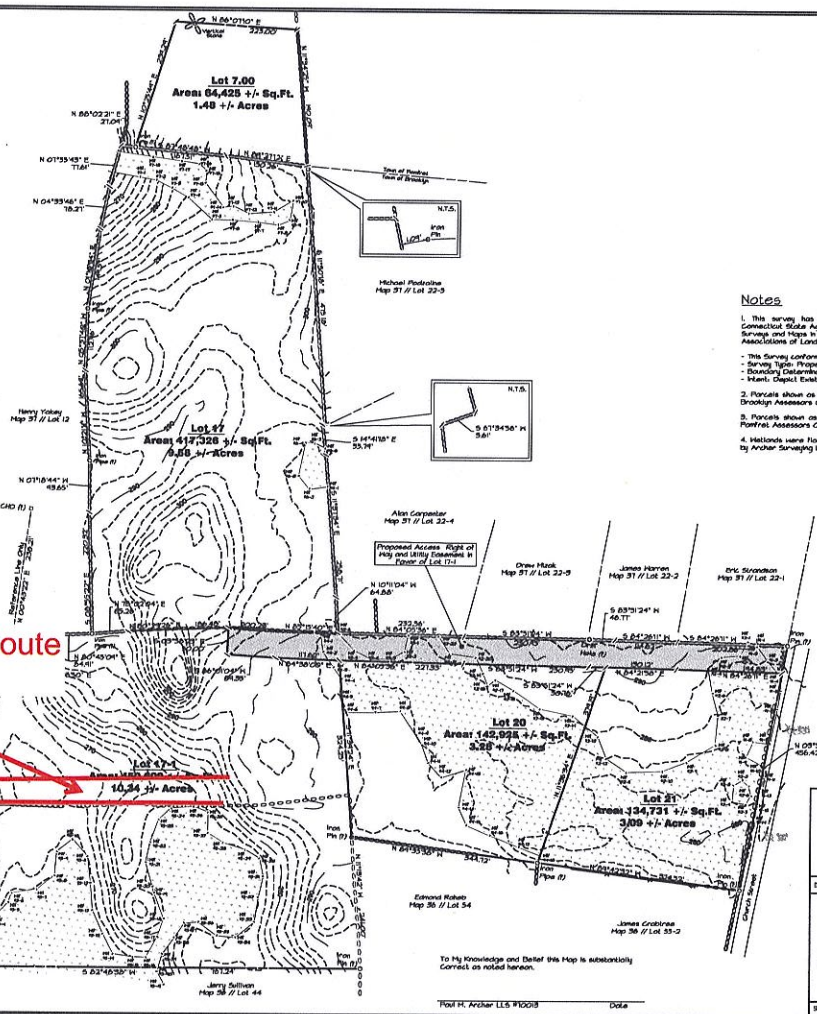
---	PROPERTY LINE
----	EASEMENT
.....	STONEMALL
.....	STONEMALL REMAINS
.....	EXISTING INDEX CONTOURS
.....	EXISTING CONTOURS
.....	WETLANDS FLAG
.....	BUILDING SETBACK
.....	IRON PIN
○	DRILL HOLE
○	MONUMENT
○	PROPERTY POINT
○	UTILITY POLE



Map References

1. Town of Brooklyn Plan showing land acquired from Annie Haldon by the State of Connecticut, Brooklyn - Pomfret Landing No. Scale: 1"=40', Date: September 1833
2. Plan of Brooklyn Manor, Doris Road and New Kinross Road, Brooklyn, Connecticut, Scale: 1"=40', Date: April 1860, Prepared by Kallias, Woods & Pike
3. Subdivision Map "Lake Brook Estates" Prepared for the Lake Church Street, Brooklyn, Connecticut, Date: June 2004, Scale: 1"=50', Prepared by Provost and Rovano Inc.
4. Plan of Bonds on Pomfret-Brooklyn Town Line, as Found 1830 and 1841, Scale: 80 Feet (25.307) to Inch, Prepared by G. Terry
5. Map Showing Subdivision For Leonard Eisenbachs, Pomfret Landing Road, Brooklyn, Connecticut, Scale: 1"=40', Date: November 1815
6. Reference Survey Prepared for Jerry J. Deo Sullivan, 38 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 2012, Scale: 1"=60', Prepared by Archer Surveying LLC

**Alternate Driveway Route
no wetland impacts**



- Notes**
1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-200c-30 and the "Standards for Surveying and Maps in State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1989.
 - This Survey conforms to a Class "A-2" Horizontal Accuracy
 - Survey Type: Property Survey
 - Boundary Determination: Boundary
 - Means: Class: Existing Conditions with Respect to Property Lines
2. Parcels shown on lots 17, 20 and 21 on Assessors Tax Map 91 of the Brooklyn Assessors Office
 3. Parcels shown on 1,000 - Block D on Assessors Tax Map 41 of the Pomfret Assessors Office
 4. Wetlands were flagged in the field by Robert Bass and field located by Archer Surveying LLC

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

DRAWING SCALE: 1"=60'

Archer Surveying LLC
18 Providence Road, Brooklyn, CT
(860) 778-8840

Sheet No. 1 of 1 Project No. 100 Date: April 2012



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

TOT P. Archer L.L.C. #10008 Date

RECEIVED

APR 07 2021

INLAND WETLANDS & WATERCOURSES COMMISSION
TOWN OF BROOKLYN, CONECTICUT

Date _____

Application # 041321D

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT A. Karsch & Sons MAILING ADDRESS 15 BEACH VIEW RD EXT, VANDERTOWN
APPLICANT'S INTEREST IN PROPERTY owner PHONE incomplete EMAIL incomplete

PROPERTY OWNER IF DIFFERENT _____ PHONE _____
MAILING ADDRESS _____ EMAIL _____

ENGINEER/SURVEYOR (IF ANY) ARCTER SURVEYING LLC, CIA ENGINEERS
ATTORNEY (IF ANY) _____

PROPERTY LOCATION/ADDRESS POMFRET LANDS RD / CHURCH STREET
MAP # 37 LOT # 20/21 ZONE RA TOTAL ACRES 29± ACRES OF WETLANDS ON PROPERTY 6±
37 17

PURPOSE AND DESCRIPTION OF THE ACTIVITY WETLANDS CROSSING FOR DRIVEWAY
2 RESIDENTIAL HOMES, SEPTIC SYSTEM, WALL - MINOR EROSION

WETLANDS EXCAVATION AND FILL:

FILL PROPOSED _____ CUBIC YDS _____ SQ.FT. 3,650 SQFT **Show on plan, utility install likely to increase impacts**
EXCAVATION PROPOSED _____ CUBIC YDS _____ SQ.FT. 0
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE OFF SITE _____
TOTAL REGULATED AREA ALTERED: SQ.FT. 20,000 ACRES .4± **0.46 AC**

EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): _____

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

Parcel 17 is within 500 feet of Pomfret
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: [Signature] DATE 4/15/21

OWNER: [Signature] DATE 4/15/21



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions on pages 2 and 3 to:
DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106
Incomplete or Incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

- DATE ACTION WAS TAKEN: year: _____ month: _____
- ACTION TAKEN (see instructions, only use one code): _____
- WAS A PUBLIC HEARING HELD (check one)? yes no
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(print name) _____ (signature) _____

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

- TOWN IN WHICH THE ACTION IS OCCURRING (print name): BROOKLYN
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the action is occurring (print name(s)): _____
- LOCATION (see instructions for information): USGS quad name: Danielson or number: 43
subregional drainage basin number: _____
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): A. Karsel & Sons
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): Chicot St / Brook - off Putnam Lane
briefly describe the action/project/activity (check and print information): temporary permanent description: Drainage, Residential Humps
- ACTIVITY PURPOSE CODE (see instructions, only use one code): T3
- ACTIVITY TYPE CODE(S) (see instructions for codes): 1, 9, 12
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: 108 acres open water body: _____ acres stream: _____ linear feet
- UPLAND AREA ALTERED (must provide acres): 1005 acres **under reported.**
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 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

REQUIREMENTS

APPLICATION FEE \$ 150 STATE FEE (\$60.00) 60 \$ 210

- 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:

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

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
 AUTHORIZED BY IWWC

 WETLANDS OFFICER

 SIGNIFICANT ACTIVITY/PUBLIC HEARING

NO PERMIT REQUIRED

- OUTSIDE OF UPLAND REVIEW AREA
- NO IMPACT

 CHAIR, BROOKLYN IWWC

 WETLANDS OFFICER

TIMBER HARVEST

SELECT FILL SPECIFICATION

1. SOFT TO FIRM WITH ANY WEAKNESS TO REMAIN. SHOULD BE COMPACTED TO 95% OF MAXIMUM DRY WEIGHT FROM STANDARD PROCTOR TEST. THE FILL SHALL MEET THE FOLLOWING REQUIREMENTS FOR THE CONNECTED PUBLIC HEALTH USE OF THE TRAIL WITHIN THE LEASING AREA.
2. THE SELECTED FILL SHALL NOT CONTAIN ANY MATERIALS OTHER THAN THE FILL AS SHOWN.
3. THE FILL SHALL BE PLACED IN A FIRM MANNER AND BE FINISHED ON THE 1% SLOPE (THIS IS THE GRAVEL PORTION OF THE SECTION). THE PORTION OF THE FILL WHICH IS FINISHED ON THE 1% SLOPE (THIS IS THE GRAVEL PORTION OF THE SECTION) SHALL BE PLACED IN A FIRM MANNER AND BE FINISHED ON THE 1% SLOPE.
4. THE MAXIMUM SANDY SHALL BE THE FOLLOWING TABLE:

PERCENT NOTES

1. PROPOSED SEPTIC SYSTEM TO BE INSTALLED BY THE FILL BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
2. ALL WORK AND MATERIALS SHALL BE SUBJECT TO THE APPROVED SEPTIC SYSTEM FROM TO CONSTRUCTION.
3. THE FILL SHALL BE PLACED IN A FIRM MANNER AND BE FINISHED ON THE 1% SLOPE (THIS IS THE GRAVEL PORTION OF THE SECTION) SHALL BE PLACED IN A FIRM MANNER AND BE FINISHED ON THE 1% SLOPE.
4. THE FILL SHALL BE PLACED IN A FIRM MANNER AND BE FINISHED ON THE 1% SLOPE (THIS IS THE GRAVEL PORTION OF THE SECTION) SHALL BE PLACED IN A FIRM MANNER AND BE FINISHED ON THE 1% SLOPE.

DEEP TEST PIT DATA / SOIL DESCRIPTIONS

DEPTH (FEET)	DESCRIPTION
0-12"	Topsoil (Organic)
12-18"	Subsoil (Sandy)
18-24"	Clay (Sandy)
24-30"	Sand (Sandy)
30-36"	Gravel (Sandy)

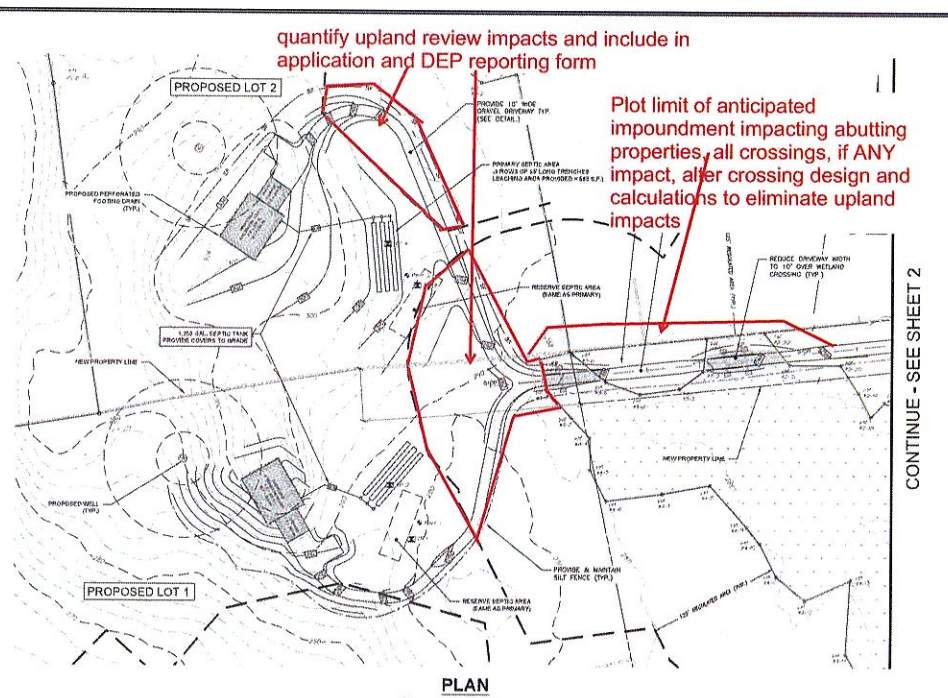
PERCENT DATA

PERCENT	DESCRIPTION
10%	Gravel (Sandy)
20%	Sand (Sandy)
30%	Clay (Sandy)
40%	Subsoil (Sandy)
50%	Topsoil (Organic)

CONCEPT SEPTIC SYSTEM DESIGN

DESIGN NOTES:

- 1. THE SEPTIC SYSTEM SHALL BE DESIGNED TO SERVE THE PROPOSED LOT 1 AND LOT 2.
- 2. THE SEPTIC SYSTEM SHALL BE DESIGNED TO SERVE THE PROPOSED LOT 1 AND LOT 2.
- 3. THE SEPTIC SYSTEM SHALL BE DESIGNED TO SERVE THE PROPOSED LOT 1 AND LOT 2.
- 4. THE SEPTIC SYSTEM SHALL BE DESIGNED TO SERVE THE PROPOSED LOT 1 AND LOT 2.
- 5. THE SEPTIC SYSTEM SHALL BE DESIGNED TO SERVE THE PROPOSED LOT 1 AND LOT 2.



ARCHER Surveying LLC
10 Providence Blvd. Shelton, CT 06484-1756-0240

CLA Engineers, Inc.
CIVIL - STRUCTURAL - SURVEYING

317 Main Street, Shelton, CT 06484
TEL: 203.378.1000 FAX: 203.378.1010

A. KAUBICH & SONS, LLC

LOTS 010-37-17, 010-37-20 & 010-37-21
CHURCH ST. SITE DEVELOPMENT
BROOKLYN, CT

GRADING & SITE DESIGN