

Brooklyn Inland Wetlands Commission

Regular Meeting Agenda

Tuesday, May 9, 2023

Zoom and In-Person Meeting

Clifford B. Green Memorial Center

69 South Main Street

6:00 p.m.

In-Person: Clifford B. Green Meeting Center, Suite 24, 69 South Main Street, Brooklyn, CT	
Online: Click link below: https://us06web.zoom.us/j/83921116459	OR Go to Zoom.us , click Sign In On the top right, click Join a Meeting Enter meeting ID: 839 2111 6459
Phone: Dial 1 646 558 8656 US Toll Enter meeting number: 839 2111 6459 You can bypass attendee number by pressing #	

Call to Order:

Roll Call:

Staff Present:

Seating of Alternates:

Public Commentary:

Additions to Agenda:

Approval of Minutes: Regular Meeting Minutes

Public Hearings: None.

Old Business:

1. 111318D Donald Gudeahn, Wolf Den Road, Map 18, Lot 21, RA Zone; Residential Home, Septic System, Well and Minor Grading all within the upland review area. **Cease & Desist Order.**

New Business:

1. IWWC23-004 – Jeffrey Weaver. Day Street, Map 43 Lot 6, R-30 Zone; Duplex, Septic System, Driveway all within the upland review area.

2. SUBD23-001 - Jeffrey Weaver. Day Street, Map 43 Lot 6, R-30 and RA Zones; 2-lot subdivision.

Communications:

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

Public Commentary:

Adjourn:

Richard Oliverson, Chairman

Brooklyn Inland Wetlands Commission
Regular Meeting Minutes
Tuesday, April 11, 2023
Zoom and In-Person Meeting
Clifford B. Green Memorial Center
69 South Main Street
6:00 p.m.

[NOTE: Due to technology issues there is no audio recording for this meeting.]

Call to Order: 6:00 pm

Roll Call: Adam Brindamour, Janet Booth, Demian Sorrentino, Adam Tucker, Jason Burgess, James Paquin. Rich Oliverson was absent with notice.

Staff Present: Margaret Washburn, Jean Bolin

Seating of Alternates: None

Public Commentary: None

Additions to Agenda: None

Approval of Minutes:

1. Regular Meeting Minutes: February 14, 2023, meeting – accepted as written

Public Hearings: None

Old Business:

- 1. IWWC 23-002 104 Church Street – Map 35, Lot 4-3 – Stephanie Turner, owner.** New single-family dwelling, septic system, driveway, well and associated grading in the upland review area.

Both Stephanie Turner, owner, and Paul Archer of Archer Surveying, were present. Mr. Archer spoke on behalf of the applicant. Mr. Archer explained that Ms. Turner plans to build a small 2-bedroom house, approximately 1,100 sq ft, with a small septic system. It would be built on piers, with no foundation.

James Paquin asked Mr. Archer for details on the pipe that would go under the driveway, such as the diameter. Mr. Archer replied that Brooklyn regulations state it has to be a minimum of 15 inches.

Margaret Washburn commented that she had not received a delineation report yet. Mr. Archer handed a copy to Ms. Washburn.

Mr. Paquin asked Mr. Archer if they had started work yet. Mr. Archer replied that they had cut trees but not removed any stumps.

Ms. Washburn asked Mr. Archer what kind of sediment controls would be in place near the outlet of the pipe under the driveway. Mr. Archer stated that it would be silt fence.

Demian Sorrentino made a motion to approve IWWC 23-002 104 Church Street – Map 35, Lot 4-3 – Stephanie Turner, owner. New single-family dwelling, septic system, driveway, well and associated grading in the upland review area with standard conditions. Mr. Paquin seconded the motion. APPROVED 6/0.

2. **IWWC 23-003 Wolf Den Road – Map 17, Lot 24 – Peter Joyce, owner.** Dredging 150 cubic yards of muck from a pond, spreading the spoils in the upland review area and after-the-fact brush and tree removal.

Both owners, Peter Joyce and Patricia Macanany, were present. Ms. Macanany explained that they would like to dredge their 142-ft x 65-ft pond and put the spoils on top of the berm on the east side to strengthen it.

Ms. Washburn asked if they plan to make the pond any bigger. Ms. Macanany stated they do not plan to increase the size. That there may be a slight increase in depth of the pond once they dredge out leaves, etc. A large tree had fallen in the pond and was previously removed.

Ms. Macanany stated that they plan to start this work between the end of August and end of December during the low water level season so as to avoid disturbing the vernal pool species present in the pond.

Mr. Sorrentino made a motion to approve IWWC 23-003 Wolf Den Road – Map 17, Lot 24 – Peter Joyce, owner. Dredging 150 cubic yards of muck from a pond, spreading the spoils in the upland review area and after-the-fact brush and tree removal with standard conditions, and one special condition: The work shall be conducted between August 15 and December 31 of this year. Adam Tucker seconded the motion. APPROVED 6/0.

Mr. Sorrentino made a motion to lift the cease and desist order. Mr. Paquin seconded the motion. APPROVED 6/0.

3. **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. Ms. Decelles has requested an informal discussion regarding further work she wishes to do in the wetlands and upland review area. Ms. Decelles had submitted a marked-up version of the approved plan for discussion purposes.

Loni Decelles stated that she would like to amend her previously approved permit to smooth out the pasture closer to the house to create a turn-out for horses. Ms. Decelles would like to move several large stones that would be in the way of the fence line. Ms. Decelles explained that the large stones would be moved to fortify the slope east of the barn. As some of the well-drained fill is removed, the existing steeper slope will be graded to a 3:1 slope.

Mr. Paquin made a motion to amend the permit **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. The amendment is to approve: 1) extend the wood chip berm closer to the house as shown on the marked-up site plan; 2) remove surface debris such as rocks, trees etc. from the expanded turnout area; 3) extend the turnout area as per the marked-up site plan; 4) construct a garden shed of less than 200 square feet on a 4” concrete slab as per the marked-up site plan.

Mr. Sorrentino seconded the motion. APPROVED 5/0. Janet Booth abstained.

New Business:

- 1. 454 Wolf Den Road – Map 18, Lot 18B - Todd Clark.** Informal discussion regarding the process to enlarge a farm pond.

Todd Clark was present. He explained that he would like to enlarge the small farm pond which is north of his house. The pond is presently 75 feet in diameter. He would like to enlarge it to about three-quarters of an acre, and make it deeper than eight feet. Mr. Clark would like to stock the pond with fish and increase the water capacity for his growing herd. Mr. Clark may install hoop houses to grow vegetables, and may use the pond water to irrigate these crops as well as for washing vehicles, to reduce reliance on his well.

Mr. Clark stated that he currently has two cows and two donkeys, and wants to get more livestock for breeding. Excavated pond spoils would be deposited to the east of the existing carriage house, on a steep slope near his eastern property line. Mr. Clark said that he might sell some of the soil.

Ms. Washburn pointed out that there may be wetlands on the abutting property to the east. Mr. Clarks said that Little Dipper Farm owns the land to the east.

Adam Brindamour asked if the pond is essential to farm operations. Mr. Clark replied that yes, it is. He needs the pond water for the animals and future irrigation purposes.

Mr. Clark has talked to farmers and believes he has an as-of-right use. Mr. Clark would like to know if enlarging the pond is an as-of-right use.

Mr. Sorrentino stated that the area where Mr. Clark wants to extend the pond may be in wetlands, and that a grading plan, as well as an erosion and sediment control plan, is needed. Mr. Sorrentino stated that the CT State statutes allow for creating farm ponds up to 5 acres in size as an as-of-right use. The avenue for Mr. Clark to take is to apply for a permit, including a statement to the effect that the pond expansion is essential to the farming operation.

Mr. Sorrentino stated that Mr. Clark needs wetlands delineated (for any work within 125 feet of wetlands and 175 feet of watercourses) and wetlands flags shown on a plan, a grading plan, and an erosion and sediment control plan. The soil scientist must check for wetlands and watercourses that may project an upland review area onto Mr. Clark’s property from the abutting property to the east, as well as show wetland resource areas on Mr. Clark’s land. Mr. Clark stated he would do so and submit the plan with an application.

2. **111318D Donald Gudeahn, Wolf Den Road, Map 18, Lot 21, RA Zone;** Residential Home, Septic System, Well and Minor Grading all within the upland review area. **Show Cause Hearing for Violation.**

Donald Gudeahn explained that someone ran over his curtain drain, on Christmas Day two years ago, which caused him to have three inches of water in his basement. To solve the problem, he repaired the pipe and extended the curtain drain pipe approximately 20 feet.

Ms. Booth asked, “Why all the extra pipe?”. Mr. Gudeahn replied, “This is the first house I have ever built.”

Paul Archer stated that in 2018, Martha Fraenkel, then Wetlands Enforcement Officer, and Tommy Rukstela, wanted the driveway moved, due to line-of-sight issues.

Ms. Washburn commented that the previously approved plan showed sediment controls and a curtain drain. The as-built does not show these. Work had been done outside of the approved limits of disturbance. Large equipment was used to spread fill resulting in work being done in an area far larger than the limits of work previously approved.

Mr. Paquin said that Mr. Gudeahn needs a soil scientist to determine the amount of wetlands disturbance that occurred. Have the wetlands re-delineated and either apply for an after-the fact permit or submit a remediation plan prepared by a soil scientist. Mr. Paquin stated that the house and septic are different on the as-built.

Mr. Gudeahn said that he had pigs on the property last year.

The Commission agreed that the wetlands flags need to be replaced in the field and that Paul Archer could do this.

Ms. Washburn asked for the Commission to uphold the Cease & Desist Order.

Mr. Sorrentino made a motion to uphold the cease and desist order dated April 5, 2023. Mr. Sorrentino instructed Mr. Gudeahn to hire a surveyor to locate the limits of disturbance on the as-built plan, replace the 2018 flags in the field, show that information on the as-built plan and submit it with an application for an after-the fact permit or with a remediation plan prepared by a soil scientist by May 1, 2023. Mr. Paquin seconded the motion. APPROVED 6/0.

Communications:

Budget Update: Budget was reviewed by Commission.

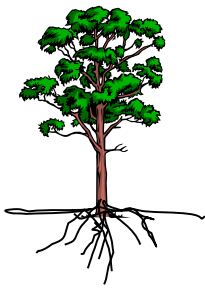
Agent Report: Ms. Washburn stated that she approved the remediation work Mr. Kausch did on the driveway to 409 and 411 Church Street . The wetlands have been restored to her satisfaction.

Public Commentary: None

Adjourn: Ms. Booth made a motion to adjourn. Burgess seconded the motion. APPROVED
6/0.

Submitted By:

Jean Bolin
Recording Secretary



JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~
PHONE 860-428-7992 ~ FAX 860-376-6842
426 SHETUCKET TURNPIKE, VOLUNTOWN, CT. 06384
FORESTRY SERVICES ~ WETLAND IMPACT ASSESSMENTS
WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING
WETLAND FUNCTION/VALUE ASSESSMENTS

4/21/2023

ARCHER SURVEYING
P.O. BOX 22
BROOKLYN, CT. 06234

RE: GUDHEAN PROPERTY, 420 WOLF DEN RD. BROOKLYN, CT.

DEAR MR. ARCHER,

AT YOUR REQUEST I HAVE INVESTIGATED THE WETLANDS WHERE SOME FILLING/GRADING HAS OCCURRED ON THE SUBJECT PROPERTY. I HAVE ALSO REVIEWED THE AS BUILT SITE PLAN DATED 3/28/23 THAT YOU PREPARED.

REGARDING THE REMEDIATION IN THIS AREA, I WOULD RECOMMEND THAT THE AREA THAT WAS FILLED/DISTURBED AND ADJACENT AREAS BE LEFT AS IS, AND BE SEEDING WITH NEW ENGLAND WETMIX SEED MIX TO RESTORE THE HERBACEOUS VEGETATION THAT EXISTED PRIOR TO THE DISTURBANCE.

WHEN I ORIGINALLY DELINEATED THE AREA, IT WAS PRIMARILY VEGETATED WITH HERBACEOUS VEGETATION SUCH AS SEDGES, RUSHES AND OTHER GRASSES, GOLDENROD AND BLACK RASPBERRY. THE NEW ENGLAND WETMIX WILL ENHANCE THE EXISTING WETLAND VEGETATION IN AND ADJACENT TO THE WETLANDS.

REMOVING THE FILL IN THIS SMALL AREA WILL NOT SIGNIFICANTLY INCREASE THE WETLAND FUNCTIONS OF THE AREA, AS IT DOES NOT HAVE SIGNIFICANT WETLAND FUNCTION AND VALUE LIKE THE WETLAND COMPLEX THAT WAS DELINEATED TO THE SOUTH.

I SEE NO SIGNIFICANT OR ADVERSE IMPACTS TO THIS WETLAND FROM THE FOOTING DRAIN, AS THIS IS CONSIDERED CLEAN GROUND WATER, AND WILL ADD TO THE HYDROLOGY OF THE WETLANDS.

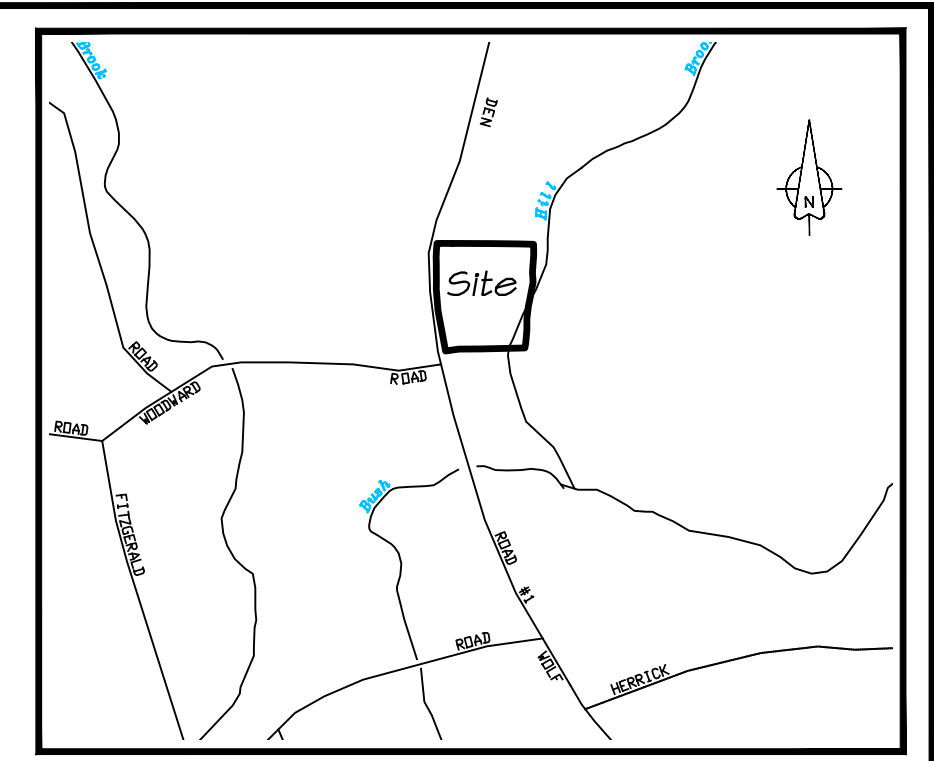
INSTEAD OF APPLYING FOR AN "AFTER THE FACT" APPLICATION, IF THE CURRENT WETLANDS PERMIT IS STILL VALID, I WOULD RECOMMEND FILING FOR A PERMIT MODIFICATION TO INCLUDE THE ADDITIONAL WETLAND DISTURBANCE.

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

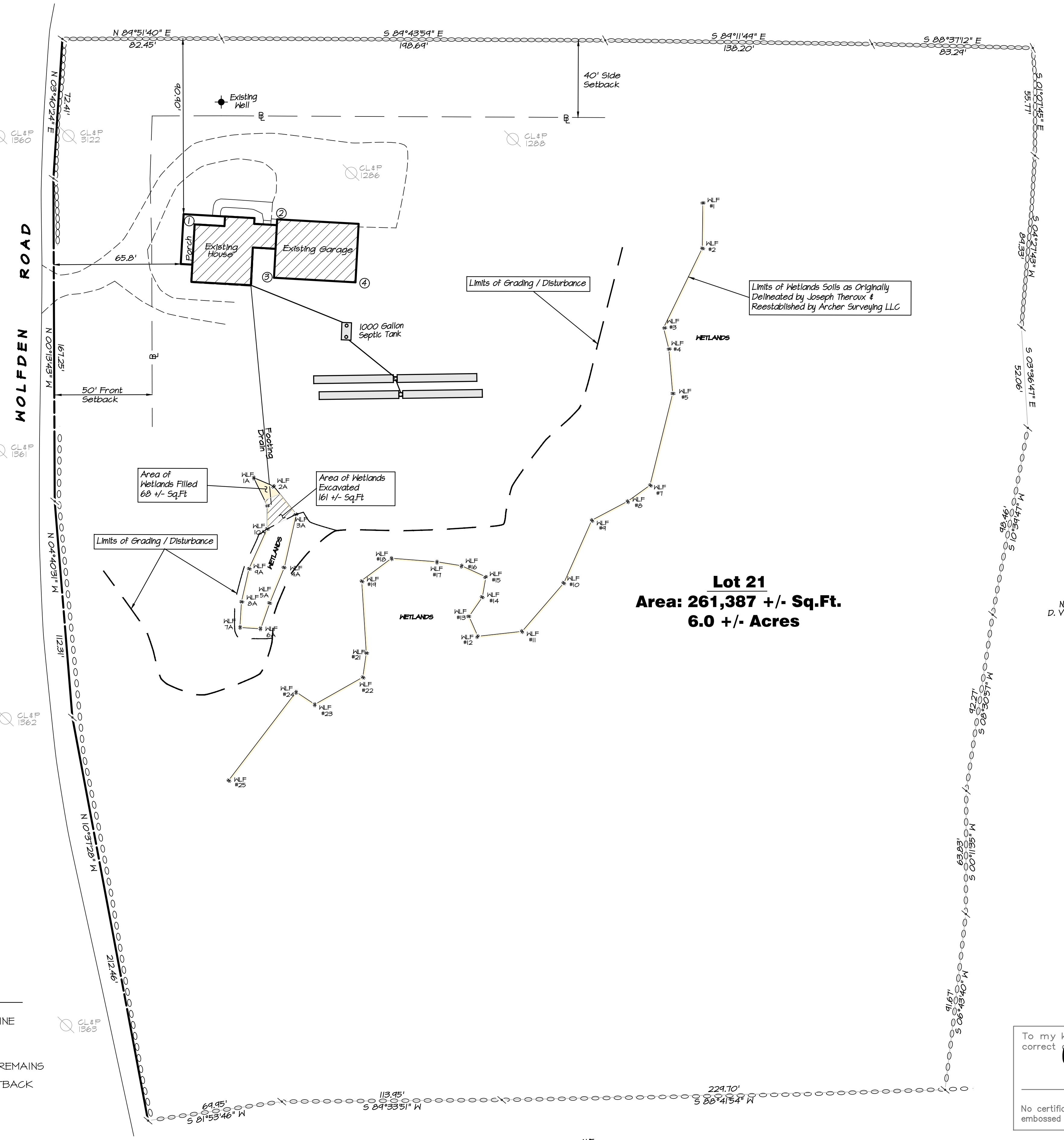
THANK YOU,

Joseph R. Theroux

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



Location Map
SCALE
1000 0 1000
1" = 1000 FT



Lot 21
Area: 261,387 +/- Sq.Ft.
6.0 +/- Acres

- SURVEY NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 as amended on October 26, 2018; 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.
 - This survey conforms to a Class "A-2" horizontal accuracy.
 - Survey Type: Zoning Location Survey.
 - The subject parcel is shown as a portion of lot #21, on an assessor's map #18.
 - Zone: RA.
 - Owner of record: Donald & Diane Gudeahn
420 Wolf Den Road
Brooklyn, CT 06234
 - The intent of this survey is to show the residential as-built of the subject property. Along with the wetlands and area of disturbance

ZONING COMPLIANCE TABLE		
Zone: RA		
	REQUIRED	PROVIDED Lot 21
FRONT SETBACK	50 Feet	65.8'
SIDE SETBACK	40 Feet	N - 40.9' S - 42.0' +/-
REAR SETBACK	50 Feet	345' +/-
FRONTAGE	110 Feet	565'
AREA (Sq.Ft.)	80,000	6.0 Acres 261,387 Sq.Ft.

AS-BUILT INFORMATION (DISTANCES IN FEET)

	D-BOX #1	D-BOX #2	CENTER SEPTIC TANK	WELL
HOUSE CORNER #1				64.8'
GARAGE CORNER #2				67.3'
GARAGE CORNER #3	82.3'	89.4'	46.8'	
GARAGE CORNER #4	54.5'	62.5'	26.5'	

LEGEND

	PROPERTY LINE
	EASEMENT
	STONEWALL
	STONEWALL REMAINS
	BUILDING SETBACK
	IRON PIN
	DRILL HOLE
	MONUMENT
	PROPERTY POINT
	UTILITY POLE

To my knowledge and belief, this map is substantially correct as noted hereon.

[Signature]
Paul M. Archer, Conn. L.S. #70013
04/26/2023

No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

REVISIONS	
DATE	DESCRIPTION
4/26/23	Wetlands Flags, Limits of Disturbance

Zoning Location Survey
Prepared For:
Donald & Diane Gudeahn
420 Wolf Den Road
Brooklyn, Connecticut

DRAWING SCALE: 1"=30'

ARCHER Surveying LLC
18 Providence Road, Brooklyn, CT
(860) 779-2240 / (860) 928-1921

KVP **LOUIS J. SOJA, JR.**
SURVEYING - ENGINEERING - SITE PLANNING
LAND SURVEYING - LAND PLANNING

Sheet No. 1 OF 1 Project No. AS 2219 Date: March 27, 2023

INLAND WETLANDS & WATERCOURSES COMMISSION
TOWN OF BROOKLYN, CONECTICUT

Date _____

Application # SUBD 23-001

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT JEFF WEAVER MAILING ADDRESS P.O. Box 9
APPLICANT'S INTEREST IN PROPERTY owner PHONE 450 9432 EMAIL _____

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

ENGINEER/SURVEYOR (IF ANY) Archer Surveying LLC
ATTORNEY (IF ANY) _____

PROPERTY LOCATION/ADDRESS Day St
MAP # 43 LOT # 6 ZONE R230/100 TOTAL ACRES 45.46 ACRES OF WETLANDS ON PROPERTY _____

PURPOSE AND DESCRIPTION OF THE ACTIVITY 2 lot subdivision

WETLANDS EXCAVATION AND FILL:

FILL PROPOSED 0 CUBIC YDS 0 SQ FT 0
EXCAVATION PROPOSED _____ CUBIC YDS _____ SQ FT _____
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE _____ OFF SITE _____
TOTAL REGULATED AREA ALTERED: SQ FT 7,500 ACRES _____



EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): _____

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? _____

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: Jeffrey A Weaver DATE 4/26/23

OWNER: Jeffrey A Weaver DATE 4/26/23

REQUIREMENTS

APPLICATION FEE \$ 150⁰⁰ STATE FEE (\$60.00) 60⁰⁰

300⁰⁰ (2 lots) =
560⁰⁰ CK# 6326

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
 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



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: _____ or number: _____
subregional drainage basin number: _____
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Lois Warren
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): Day St
briefly describe the action/project/activity (check and print information): temporary permanent description: 2 lot subdivision
- ACTIVITY PURPOSE CODE (see instructions, only use one code): B
- ACTIVITY TYPE CODE(S) (see instructions for codes): 3, 12
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: _____ acres open water body: _____ acres stream: _____ linear feet
- UPLAND AREA ALTERED (must provide acres): .18 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0 acres

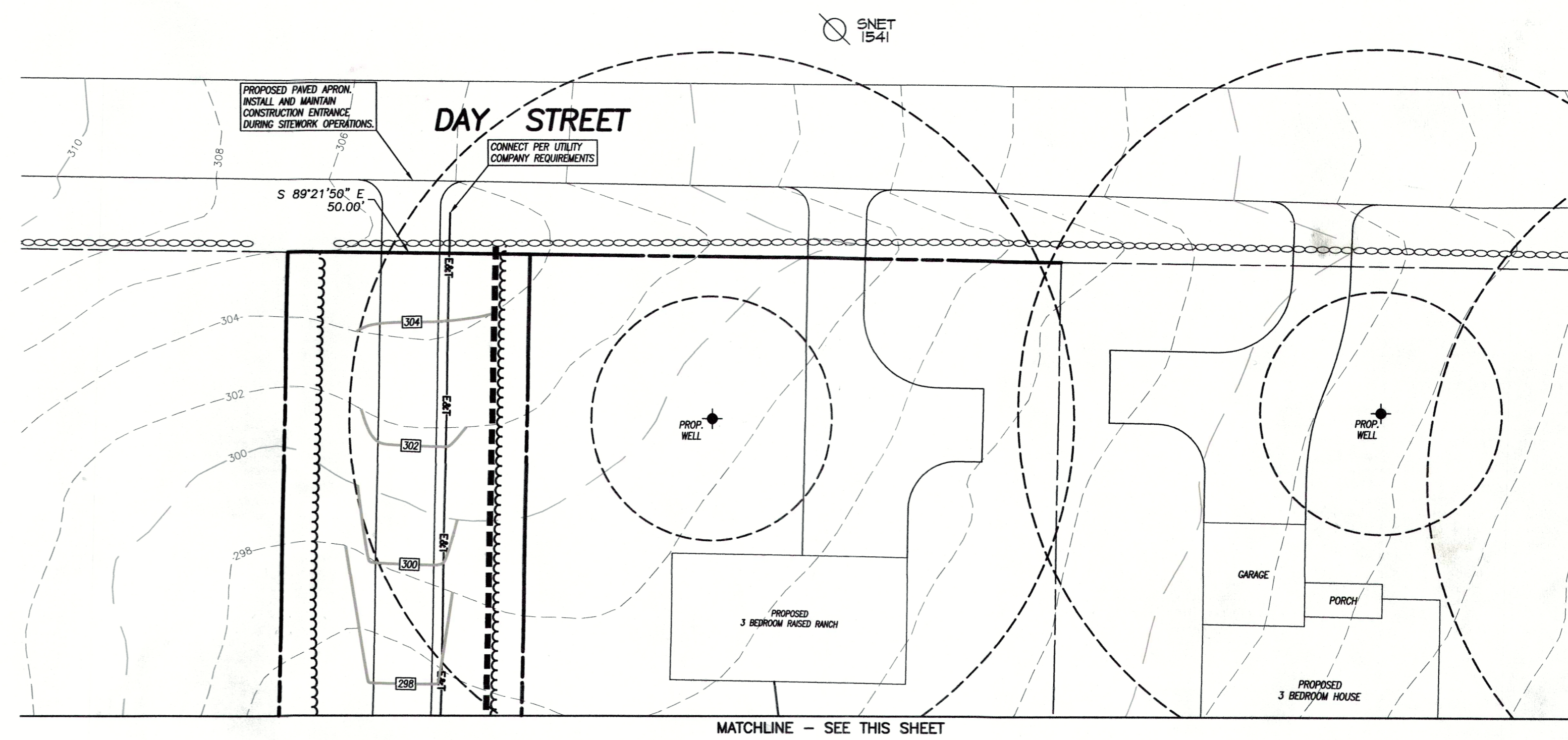
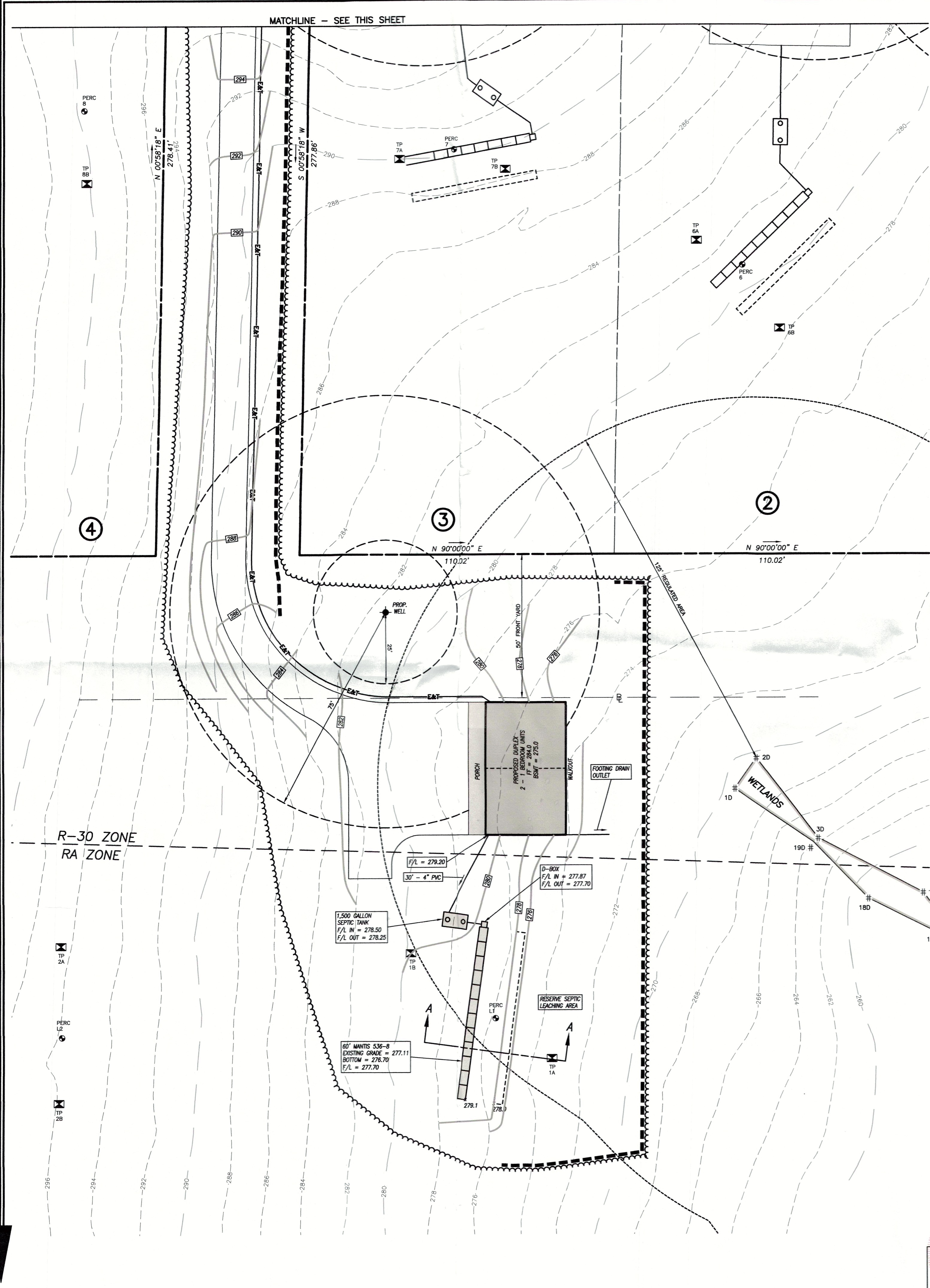
DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



SEPTIC SYSTEM DESIGN DATA

Percolation Rate = 3.33 min. / in.
 2 bedroom duplex requires = 660 s.f. effective leaching area
 Effective Leaching area = 11.0 s.f. / l.f. of trench
 Length Required = 660/11.0 = 60 l.f.
 Length Provided = 12 units @ 5 l.f. = 60 l.f.
 Min. Leaching System Spread (MLSS) = 20.0 x 2.0 x 1.0 = 40'
 MLSS Provided = 60'

LEACHING FIELD
 60 l.f. Mantis 536-8 leaching units (12 units @ 5 l.f. each)
 Maximum depth into existing grade = 6"

TEST PIT OBSERVATIONS 2/16/2023
 Observed by: Donovan Moe, NDDH

TEST PIT	DEPTH	PROFILE
1A	0-12"	topsoil
	12-36"	brown sandy loam
	36-48"	tan fine sandy loam with pockets of rotten rock
	48-96"	wet gray sandy loam with rotten rock
	Mottling	36"
	GW	48" (seepage)
1B	0-6"	topsoil
	6-30"	brown sandy loam to a tan fine sandy loam
	30-87"	compact gray mottled sandy loam with fines groundwater
	87-93"	groundwater
	Mottling	30"
	GW	87" (seepage @ 42")
Restrictive 36"		
Restrictive 30"		

PERCOLATION TESTS 2/13/2023
 Observed by: Donovan Moe, NDDH

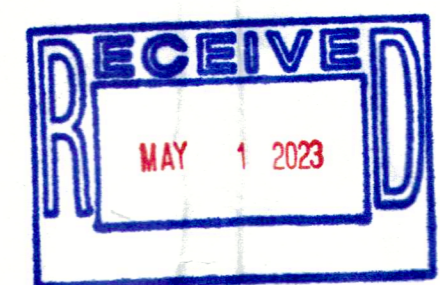
Perc L1
 Depth: 24"

TIME	DEPTH
12:13	2.75"
12:18	12"
12:28	18.5"
12:33	20.5"
12:38	22"

Percolation Rate: 3.33 min/inch

- LEGEND**
- ✕ TEST PIT
 - # WETLAND FLAG
 - STONE WALL
 - - - EXISTING INDEX CONTOUR
 - - - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED UTILITIES
 - - - PROPOSED CLEARING LIMITS
 - - - PROPOSED SILT FENCE
 - BUILDING SETBACK LINE

- SURVEY NOTES:**
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 as amended on October 26, 2018; 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.
 - This survey conforms to a Class "C" horizontal accuracy.
 - Topographic features conform to a Class "T-2" accuracy.
 - Survey Type: General Location Survey.
 - The subject parcel is shown as a portion of lot #6, on assessor's map #43.
 - Zone: R-30.
 - Owner of record: Jeffrey Weaver, P.O. Box 9, Brooklyn, CT 06234.
 - The intent of this survey is to show the residential development of the subject property.
 - Elevations based on NAVD 1988. Contour interval = 2'.
 - North orientation is referenced to Connecticut State Plane Coordinates, NAD83.
 - The locations of existing utilities are based on surface evidence and other sources of information. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.
 - Wetlands were flagged in the field by Joseph Theroux, certified soil scientist in April, 2018.



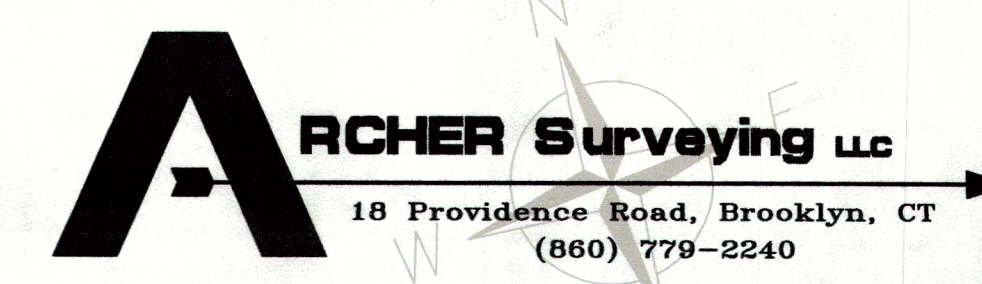
SURVEYOR SHALL SET A BENCH MARK IN THE AREA OF THE SEPTIC SYSTEM AT THE TIME OF CONSTRUCTION STAKE-OUT.

Provost & Rovero, Inc.
 Civil Engineering • Surveying • Site Planning
 Structural • Mechanical • Architectural Engineering
 57 East Main Street, P.O. Box 191
 Plainfield, Connecticut 06374
 (860) 230-8856 • FAX: (860) 230-0860
 info@provostrovero.com
 www.provostrovero.com

Septic System Design Plan

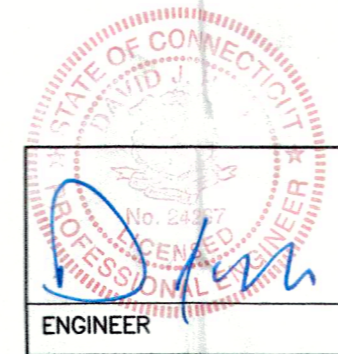
Prepared For:
Jeffrey Weaver
 Day Street
 Brooklyn, Connecticut

DRAWING SCALE: 1"=20'



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

Paul M. Archer
 PAUL M. ARCHER L.L.S., #70013
 DATE 4-26-23



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

C:\Users\Donovan\OneDrive\Documents\230316\Arch\230316_230316.dwg

EROSION AND SEDIMENT CONTROL PLAN:

REFERENCE IS MADE TO:

1. Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
2. Soil Survey of Windham County Connecticut, U.S.D.A. Soil Conservation Service 1983.

DEVELOPMENT SCHEDULE: (Individual Lots):

1. Prior to any work on site, the limits of disturbance shall be clearly flagged in the field by a Land Surveyor, licensed in the State of Connecticut. Once the limits of clearing are flagged, they shall be reviewed and approved by an agent of the Town.
2. Install and maintain erosion and sedimentation control devices as shown on these plans. All erosion control devices shall be inspected by an agent of the Town. Any additional erosion control devices required by the Town's Agent shall be installed and inspected prior to any construction on site. (See silt fence installation notes.)
3. Install construction entrance.
4. Construction will begin with clearing, grubbing and rough grading of the proposed site. The work will be confined to areas adjacent to the proposed building, septic system and driveway. Topsoil will be stockpiled on site and utilized during final grading.
5. Begin construction of the house, septic system and well.
6. Disturbed areas shall be seeded and stabilized as soon as possible to prevent erosion.
7. The site will be graded so that all possible trees on site will be saved to provide buffers to adjoining lots.

DEVELOPMENT CONTROL PLAN:

1. Development of the site will be performed by the individual lot owner, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout construction.
2. The sedimentation control mechanisms shall remain in place from start of construction until permanent vegetation has been established. The representative for the Town will be notified when sediment and erosion control structures are initially in place. Any additional soil & erosion control measures requested by the Town or its agent, shall be installed immediately. Once the proposed development, seeding and planting have been completed, the representative shall again be notified to inspect the site. The control measures will not be removed until this inspection is complete.
3. All stripping is to be confined to the immediate construction area. Topsoil shall be stockpiled so that slopes do not exceed 2 to 1. A hay bale sediment barrier is to surround each stockpile and a temporary vegetative cover shall be provided.
4. Dust control will be accomplished by spraying with water and if necessary, the application of calcium chloride.
5. The proposed planting schedule is to be adhered to during the planting of disturbed areas throughout the proposed construction site.
6. 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.

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
 - the fence has been overtopped, undercut or bypassed by runoff water,
 - the fence has been moved out of position (knocked over), 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
 - 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:

SEED SELECTION

Grass species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figure TS-2 in the 2002 Guidelines.

TIMING CONSIDERATIONS

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

SITE PREPARATION

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and grassed waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

SEEDBED PREPARATION

Loosen the soil to a depth of 3-4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, discing, harrowing, raking or dragging with a section of chain link fence. Avoid excessive compaction of the surface by equipment traveling back and forth over the surface. If the slope is tracked, the cleat marks shall be perpendicular to the anticipated direction of the flow of surface water.

If soil testing is not practical or feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10-10-10 or equivalent. Additionally, lime may be applied using rates given in Figure TS-1 in the 2002 Guidelines.

SEEDING

Apply seed uniformly by hand cyclone seeder, drill, cultipacker type seeder or hydroseeder at a minimum rate for the selected species. Increase seeding rates by 10% when hydroseeding.

MULCHING

Temporary seedings made during optimum seeding dates shall be mulched according to the recommendations in the 2002 Guidelines. When seeding outside of the recommended dates, increase the application of mulch to provide 95%-100% coverage.

MAINTENANCE

Inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and rill erosion.

Where seed has moved or where soil erosion has occurred, determine the cause of the failure. Repair eroded areas and install additional controls if required to prevent recurrence of erosion.

Continue inspections until the grasses are firmly established. Grasses shall not be considered established until a ground cover is achieved which is mature enough to control soil erosion and to survive severe weather conditions (approximately 80% vegetative cover).

PERMANENT VEGETATIVE COVER:

Refer to Permanent Seeding Measure in the 2002 Guidelines for specific applications and details related to the installation and maintenance of a permanent vegetative cover. In general, the following sequence of operations shall apply:

1. Topsoil will be replaced once the excavation and grading has been completed. Topsoil will be spread at a minimum compacted depth of 4".
2. Once the topsoil has been spread, all stones 2" or larger in any dimension will be removed as well as debris.
3. Apply agricultural ground limestone at a rate of 2 tons per acre or 100 lbs. per 1000 s.f. Apply 10-10-10 fertilizer at a rate of 300 lbs. per acre or 7.5 lbs. per 1000 s.f. Work lime and fertilizer into the soil to a depth of 4".
4. Inspect seedbed before seeding. If traffic has compacted the soil, retil compacted areas.
5. Apply the chosen grass seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 - October 1.
6. Following seeding, firm seedbed with a roller. Mulch immediately following seeding. If a permanent vegetative stand cannot be established by September 30, apply a temporary cover on the topsoil such as netting, mat or organic mulch.

EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detachment and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

The more land that is in vegetative cover, the more surface water will infiltrate into the soil, thus minimizing stormwater runoff and potential erosion. Keeping land disturbance to a minimum not only involves minimizing the extent of exposure at any one time, but also the duration of exposure. Phasing, sequencing and construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work over a specific area occurs over distinct periods of time and each phase is not dependent upon a subsequent phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be developed on the premise of "first things first" and "last things last" with proper attention given to the inclusion of adequate erosion and sediment control measures. A construction schedule is a sequence with time lines applied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas essential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction. Ensure all outlets are stable before outletting storm drainage flow into them.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the erosive energy of water. The erosive energy of water increases as the volume and velocity of runoff increases. The volume and velocity of runoff increases during development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Use diversions, stone dikes, silt fences and similar measures to break flow lines and dissipate storm water energy.
- Avoid diverting one drainage system into another without calculating the potential for downstream flooding or erosion.

KEEP CLEAN RUNOFF SEPARATED

Clean runoff should be kept separated from sediment laden water and should not be directed over disturbed areas without additional controls. Additionally, prevent the mixing of clean off-site generated runoff with sediment laden runoff generated on-site until after adequate filtration of on-site waters has occurred.

- Segregate construction waters from clean water.
- Divert site runoff to keep it isolated from wetlands, watercourses and drainage ways that flow through or near the development until the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub-drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the potential off-site damage that it can cause is reduced. It is generally more expensive to correct off-site damage than it is to install proper internal controls.

- Control erosion and sedimentation in the smallest drainage area possible. It is easier to control erosion than to contend with sediment after it has been carried downstream and deposited in unwanted areas.
- Direct runoff from small disturbed areas to adjoining undisturbed vegetated areas to reduce the potential for concentrated flows and increase settlement and filtering of sediments.
- Concentrated runoff from development should be safely conveyed to stable outlets using rip rapped channels, waterways, diversions, storm drains or similar measures.
- Determine the need for sediment basins. Sediment basins are required on larger developments where major grading is planned and where it is impossible or impractical to control erosion at the source. Sediment basins are needed on large and small sites when sensitive areas such as wetlands, watercourses, and streets would be impacted by off-site sediment deposition. Do not locate sediment basins in wetlands or permanent or intermittent watercourses. Sediment basins should be located to intercept runoff prior to its entry into the wetland or watercourse.
- Grade and landscape around buildings and septic systems to divert water away from them.

SEPTIC SYSTEM CONSTRUCTION NOTES

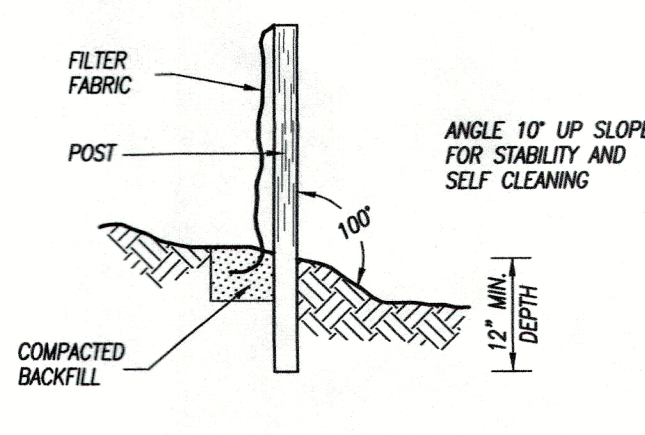
1. The building, septic system and well shall be accurately staked in the field by a licensed Land Surveyor in the State of Connecticut, prior to construction.
2. Topsoil shall be removed and in the area of the primary leaching field scarified, prior to placement of septic fill. Septic fill specifications are as follows:
 - Max. percent of gravel (material between No. 4 & 3 inch sieves) = 45%

GRADATION OF FILL (MINUS GRAVEL)

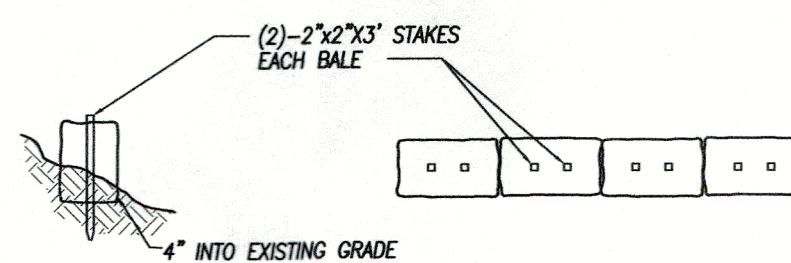
SIEVE SIZE	PERCENT PASSING (WET SIEVE)	PERCENT PASSING (DRY SIEVE)
No. 4	100%	100%
No. 10	70% - 100%	70% - 100%
No. 40	10% - 50%	10% - 75%
No. 100	0% - 20%	0% - 5%
No. 200	0% - 5%	0% - 2.5%

Fill material shall be approved by the sanitarian prior to placement. It shall be compacted in 6" lifts and shall extend a minimum of ten feet (10') beyond the last leaching trench before tapering off.

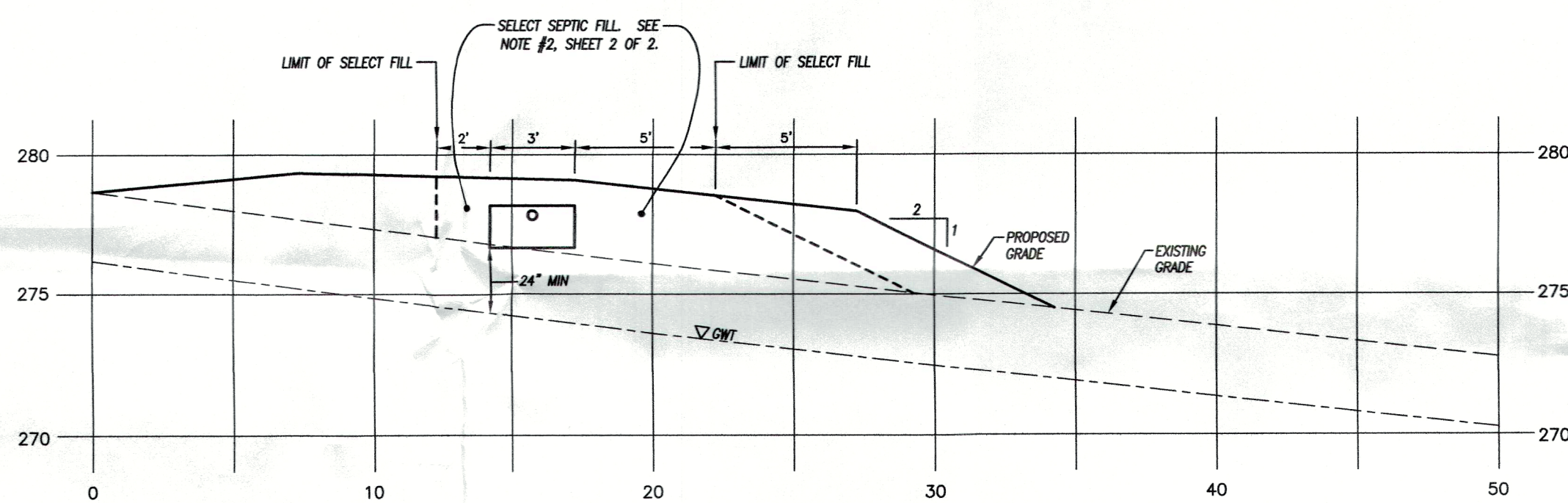
3. Septic tank shall be two compartment precast 1500 gallon tank with gas deflector and outlet filter as manufactured by Jolley Precast, Inc. or equal.
4. Distribution boxes shall be 4 hole precast concrete as manufactured by Jolley Precast, Inc. or equal.
5. All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
6. Solid distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 SDR 35 with compression gasketed joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
7. Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D-2729 or ASTM D-3350, 1500 lb. minimum crush.
8. Sewer pipe from the foundation wall to the septic tank shall be schedule 40 PVC meeting ASTM D 1785. It shall be laid true to the grades shown on the plans and in no case shall have a slope less than 0.25 inches per foot.
9. Force main pressure pipe from pump chamber to the leaching field shall be 2" diameter pvc meeting ASTM D 2241 SDR 21.
10. Solid footing drain outlet pipe shall be 4" Diameter PVC meeting ASTM D 3034, SDR 35 with compression gasketed joints. Footing drain outlet pipe shall not be backfilled with free draining material, such as gravel, broken stone, rock fragments, etc.



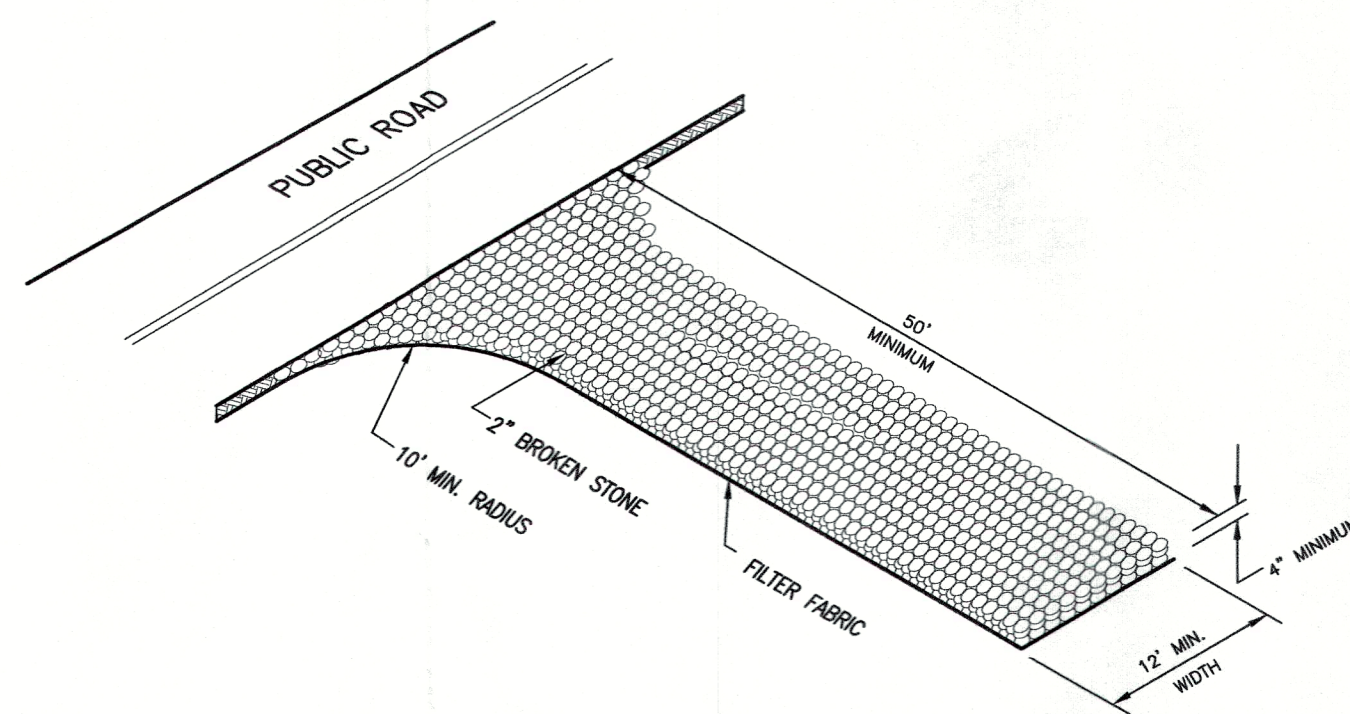
SILT FENCE
NOT TO SCALE



HAYBALE BARRIER
NOT TO SCALE

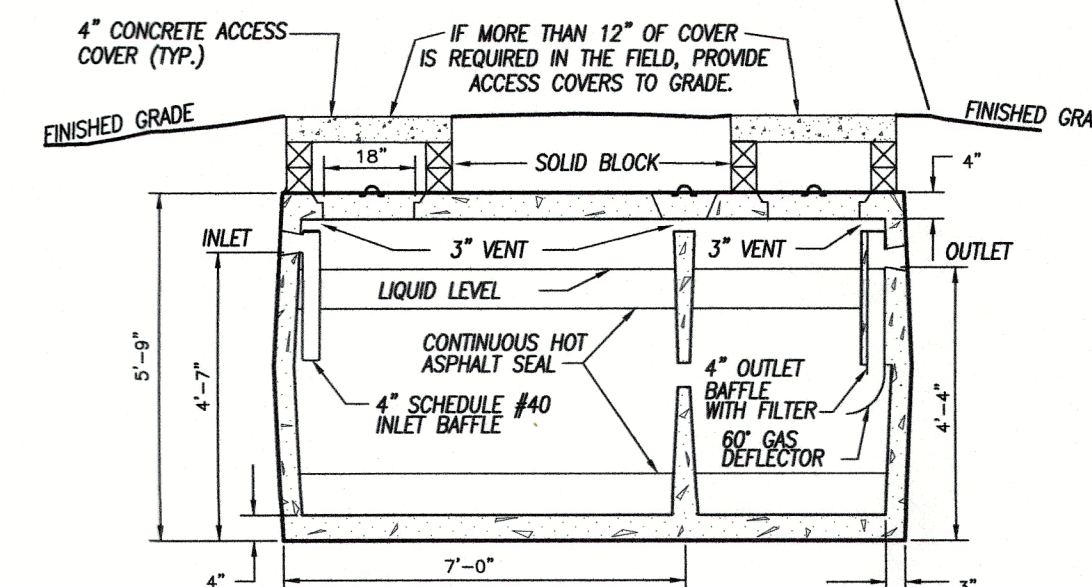
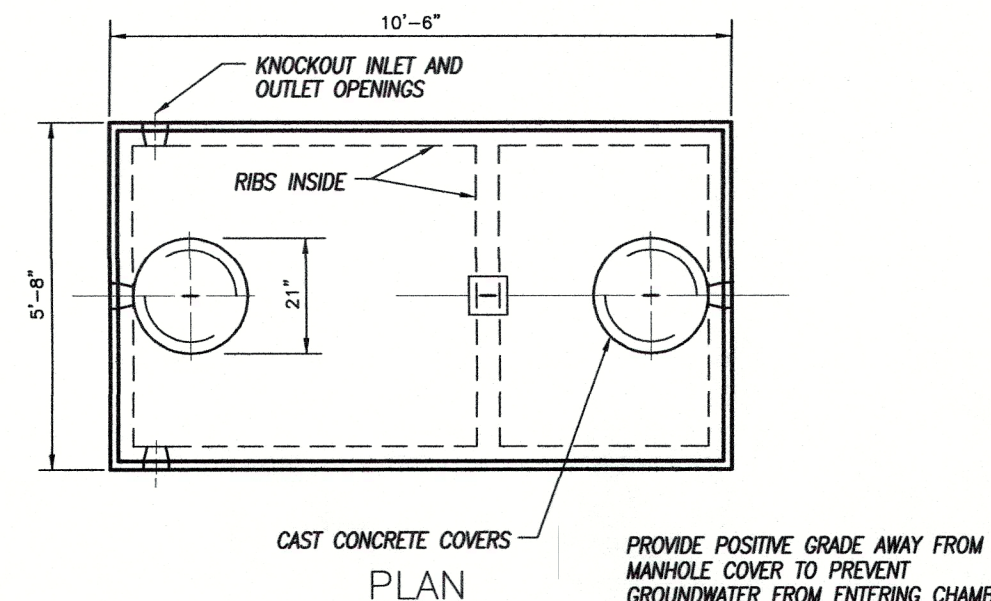


CROSS SECTION "A-A"
SCALE: 1" = 5'



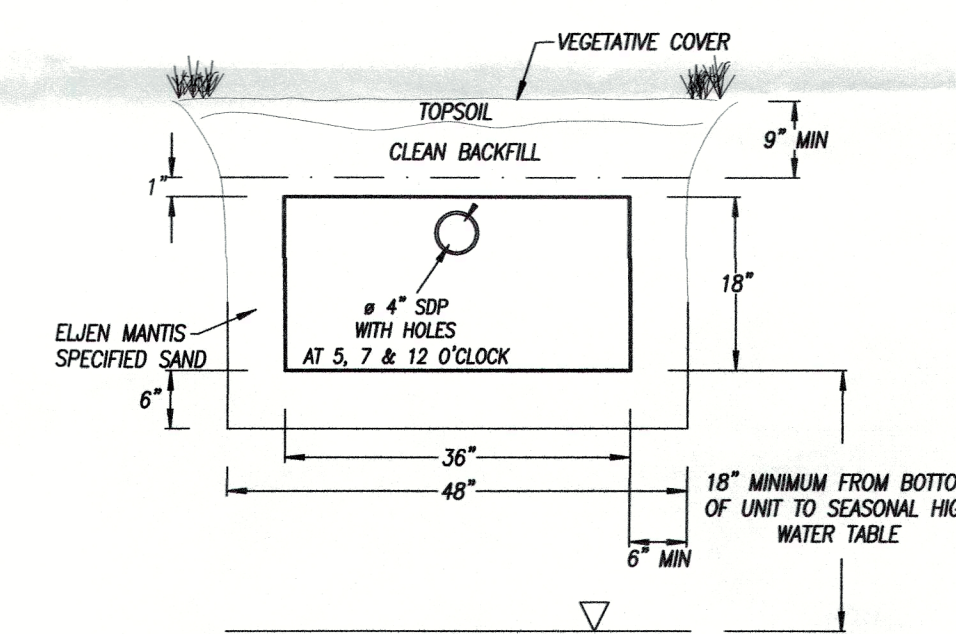
CONSTRUCTION ENTRANCE
NOT TO SCALE

STATE OF CONNECTICUT
Professional Engineer
D. Weaver
4/26/23
ENGINEER DATE



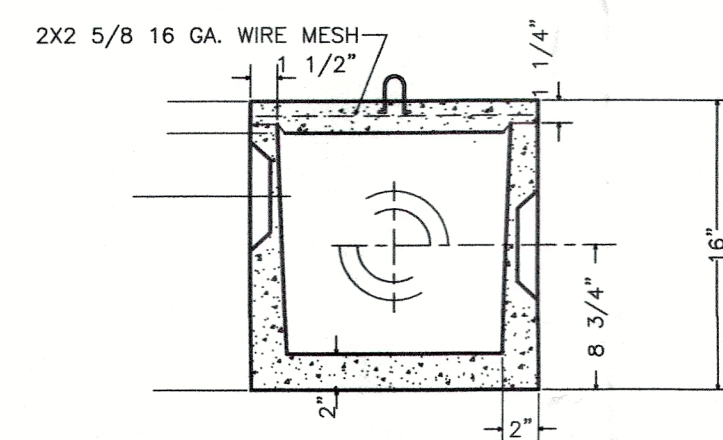
CROSS SECTION

**1500 GALLON
2 COMPARTMENT
SEPTIC TANK**
NOT TO SCALE



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

MANTIS 536-8 INSTALLATION
NOT TO SCALE

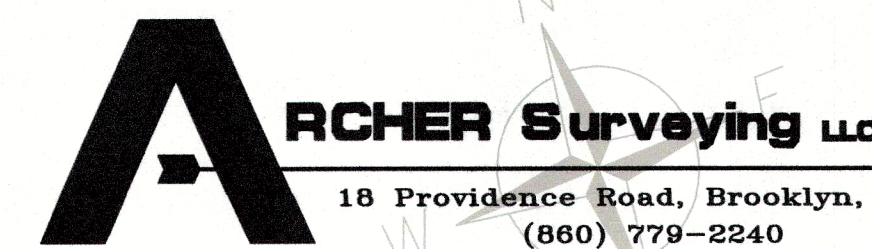


STANDARD D-BOX
NOT TO SCALE

Detail Sheet

Prepared For:
Jeffrey Weaver
Day Street
Brooklyn, Connecticut

DRAWING SCALE: AS SHOWN



Provoost & Dovero, Inc.

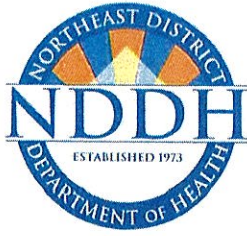
Civil Engineering • Surveying • Site Planning
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info@provoost.com
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REVISIONS

DATE	DESCRIPTION
4/26/2023	CLEARING LIMITS, MOVE HOUSE

Sheet No. 2 OF 2 Project No. 233014 Date: 4/20/2023



NORTHEAST DISTRICT DEPARTMENT OF HEALTH

69 SOUTH MAIN STREET • UNIT 4 • BROOKLYN, CT 06234
PHONE (860) 774-7350 • FAX (860) 774-1308 • WEB SITE WWW.NDDH.ORG

April 27, 2023

Jeffrey Weaver
PO Box 9
Brooklyn, CT 06234

SUBJECT: FILE #18000237 -- DAY STREET, MAP #43, LOT #6, BROOKLYN, CT

Dear Jeffrey Weaver:

The subject plan (ARCHER SURVEYING LLC, WEAVER, PROJ#233014, DRAWN 04/20/2023) submitted on 4/25/2023 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 2-bedroom house based on the following:

1. CT licensed surveyor must stake house, well, 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.

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; Kevin Racine

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 # 18000237

MAP #43 LOT #6

TOWN: BROOKLYN

INSTALLER: KEVIN RACINE (SIG ON FILE)

STREET: DAY STREET

CT LIC #5774 EXPIRES: 11/30/2023

PROPERTY OWNER: JEFFREY WEAVER

Residential: No. of Bedrooms: 2 (Multi-Family Dwelling) 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: Archer Surveying LLC., Job #233014, Dated: 04/20/2023).
- CT licensed surveyor must stake house, well, benchmark, and septic system, offset stakes to include flowline or bottom of trench elevation.
- Permanent benchmark to be set within 15 feet of septic system.
- Install a 1,500 gallon two compartment septic tank with approved outlet baffle filter.
- Install 660 square feet of effective leaching area consisting of 1 60' long row of Eljen Mantis 536-8 units. If more than 18 inches of cover over Mantis, vent to be installed as required.
- Maximum depth into existing grade not to exceed 6" inches.
- 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.
- An engineer's/surveyor's as-built drawing (to include ties to the house) is to be submitted to NDDH following the final inspection.
- Installer's completed checklist to be submitted to NDDH as required.

GRANTED BY: 

Donovan Moe

DATE ISSUED: 04/27/2023

EXPIRES: 04/27/2024

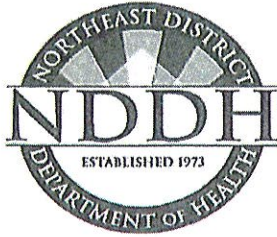
ONE RENEWAL: / /

EXPIRES: / /



Maureen Marcoux R.S.

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)(1). 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.



INSTALLER CHECKLIST SEPTIC SYSTEM AS-BUILT

File # _____ Street Address _____
Town _____ Map # _____ Block # _____ Lot# _____
Number of Bedrooms _____ or Design Flow of Building _____
Property Owner _____
Installer _____ License # _____ Telephone # _____

SEPTIC TANK

Manufacturer _____ Size _____ (gallons) New _____ Existing _____
Outlet Filter Baffle Type _____ Risers – Size _____ Depth to cleanout _____
Pump Chamber-Manufacturer _____ Size _____
Pump Information _____

LEACHING SYSTEM

Description _____
Effective Area _____ Sq Ft Serial Distribution _____ Level System _____
Curtain drain installed _____ Pumping required _____
Bottom of leaching system _____ inches below final grade

SEPARATION DISTANCES

Length of sewer line _____
Distance between septic tank and foundation _____
Distance between leach field and property line _____
Distance to nearest ground or surface water drain _____
Distance to nearest well _____
Distance to public water line _____

Variances required: _____

Installer shall complete the above sections of this form and provide a sketch of the installed septic system with appropriate ties on the reverse side.

SEPTIC SYSTEM AS-BUILT DRAWING

File # _____ Address _____

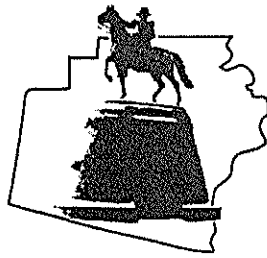
Location of System (N, S, E, W, Front, Back) Side of House _____

To provide an accurate record of the entire septic system location, drawing should include all of the following information:

Two corners of the building closest to the system, tank, house sewer, D-Boxes, trench ends, curtain drain, well, and any other features affecting the system.

Point	1	2	3	4	5	6	7	8	9	10
Distance from corner A										
Distance from corner B										
Distance from corner C										
Distance from corner D										

Installer's Signature _____ Date _____



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

Map 43 Lot 6 Day St

May 1, 2023

Address

Date

I inspected and took photos for a duplex on this lot. A 2-lot subdivision will be submitted today, according to Jeff Weaver and Paul Archer.

Jeff Weaver attended the inspection. I am willing to approve the work as a Duly Authorized Agent Approval and will contact Chairman Oliverson for his review of the plan.

Commission Representative

M. Washburn

Owner or Authorized Signature _____



INLAND WETLANDS & WATERCOURSES COMMISSION
TOWN OF BROOKLYN, CONECTICUT

Date 5/1/2023

Application # SUBD 23-001

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT JEFF WEAVER MAILING ADDRESS P.O. Box 9 Brooklyn, CT 06234
APPLICANT'S INTEREST IN PROPERTY owner PHONE 950 9432 EMAIL ask4weaver@charter.net

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

ENGINEER/SURVEYOR (IF ANY) Archer Surveying LLC
ATTORNEY (IF ANY) _____

PROPERTY LOCATION/ADDRESS Day St
MAP # 43 LOT # 6 ZONE R30/100 TOTAL ACRES 4.48 ACRES OF WETLANDS ON PROPERTY _____

PURPOSE AND DESCRIPTION OF THE ACTIVITY 2 lot SUBDIVISION

WETLANDS EXCAVATION AND FILL:

FILL PROPOSED CUBIC YDS 4 SQ FT 4
EXCAVATION PROPOSED CUBIC YDS 0 SQ FT 0
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE OFF SITE
TOTAL REGULATED AREA ALTERED: SQ FT 7,500 ACRES _____



EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): _____

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? _____

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: Jeffrey A Weaver DATE 4/26/23

OWNER: Jeffrey A Weaver DATE 4/26/23

REQUIREMENTS

APPLICATION FEE \$ 150⁻ STATE FEE (\$60.00) 60⁰⁰ 300⁰⁰ (2 lots) =
50 pub 560⁰⁰ CK# 6326

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 EXIST NG 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

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



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): Bloomfield
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: _____ or number: _____
subregional drainage basin number: _____
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Jeff Warren
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): Day St
briefly describe the action/project/activity (check and print information): temporary permanent description: _____
2 lot subdivision
- ACTIVITY PURPOSE CODE (see instructions, only use one code): B
- ACTIVITY TYPE CODE(S) (see instructions for codes): 3, 12, _____, _____
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: _____ acres open water body: _____ acres stream: _____ linear feet
- UPLAND AREA ALTERED (must provide acres): .18 acres
- 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

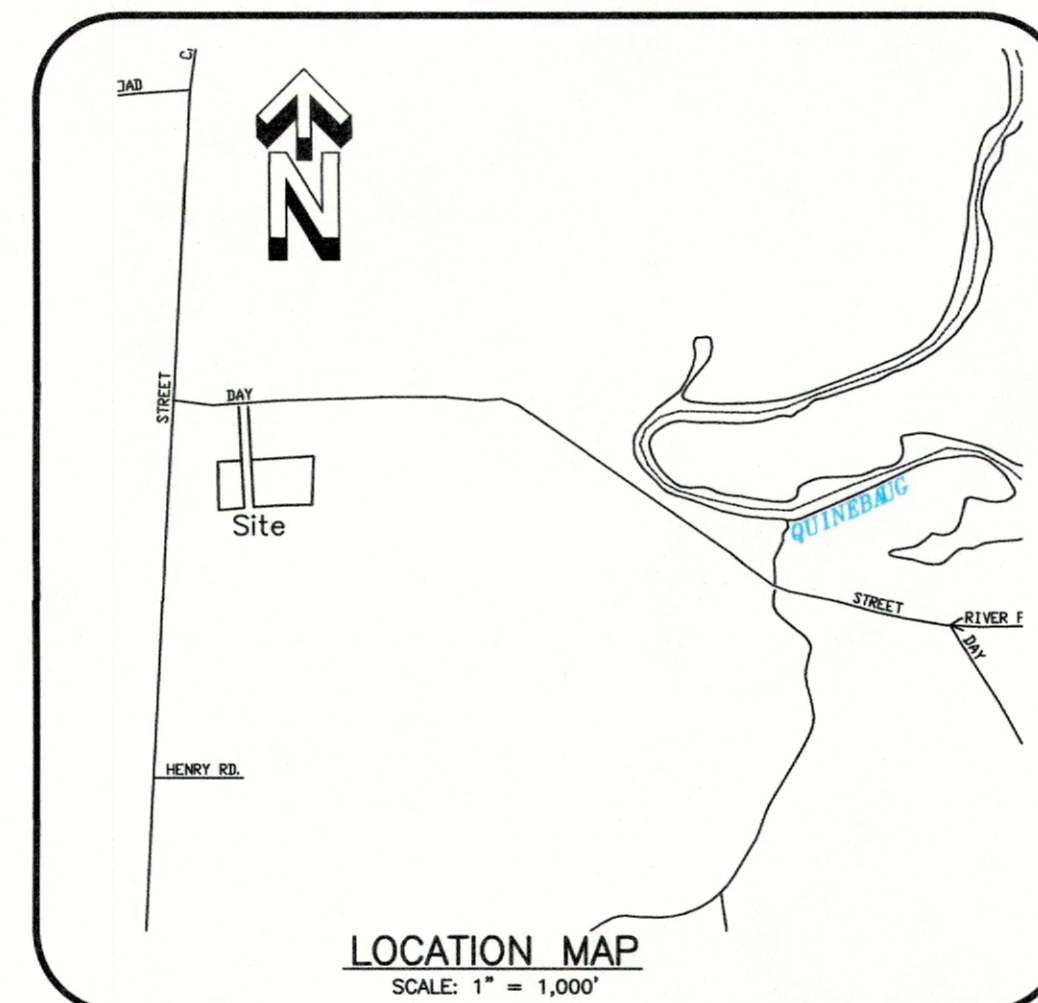
2 LOT SUBDIVISION

PREPARED FOR

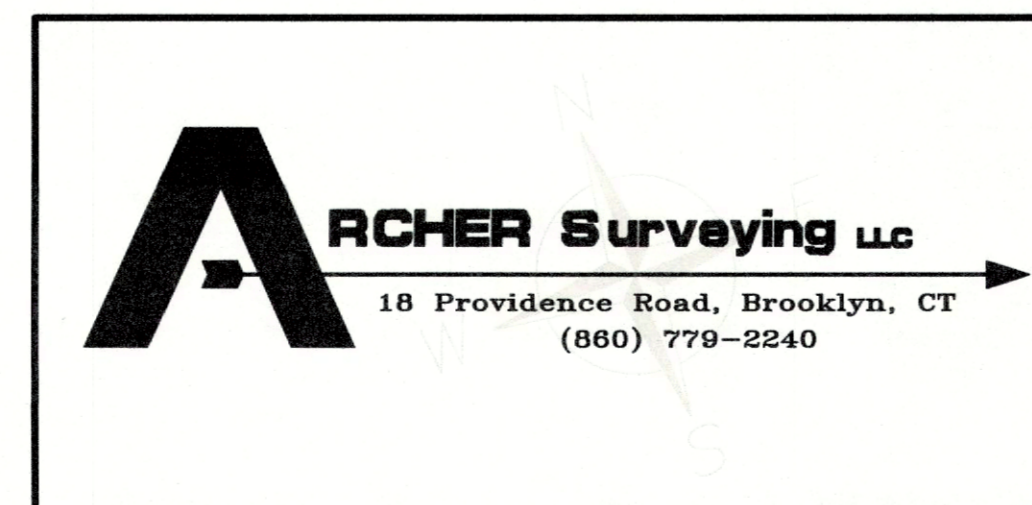
Jeffrey Weaver

Day Street
Brooklyn, Connecticut

May 1, 2023



PREPARED BY



INDEX OF DRAWINGS

COVER SHEET	SHEET 1 OF 6
EXISTING CONDITION	SHEET 2 OF 6
SUBDIVISION	SHEET 3 OF 6
SITE DEVELOPMENT PLAN	SHEET 4 OF 6
DETAIL SHEET #1	SHEET 5 OF 6
HISTORY & PARCEL MAP	SHEET 6 OF 6

APPROVED BY THE BROOKLYN
INLAND WETLANDS COMMISSION

CHAIRMAN _____ DATE _____
Expiration date per section 22A-42A of the Connecticut
General Statutes. Date: _____

APPROVED BY THE BROOKLYN
PLANNING AND ZONING COMMISSION

CHAIRMAN _____ DATE _____
Expiration date per section 8.26C of the Connecticut
General Statutes. Date: _____

Notes

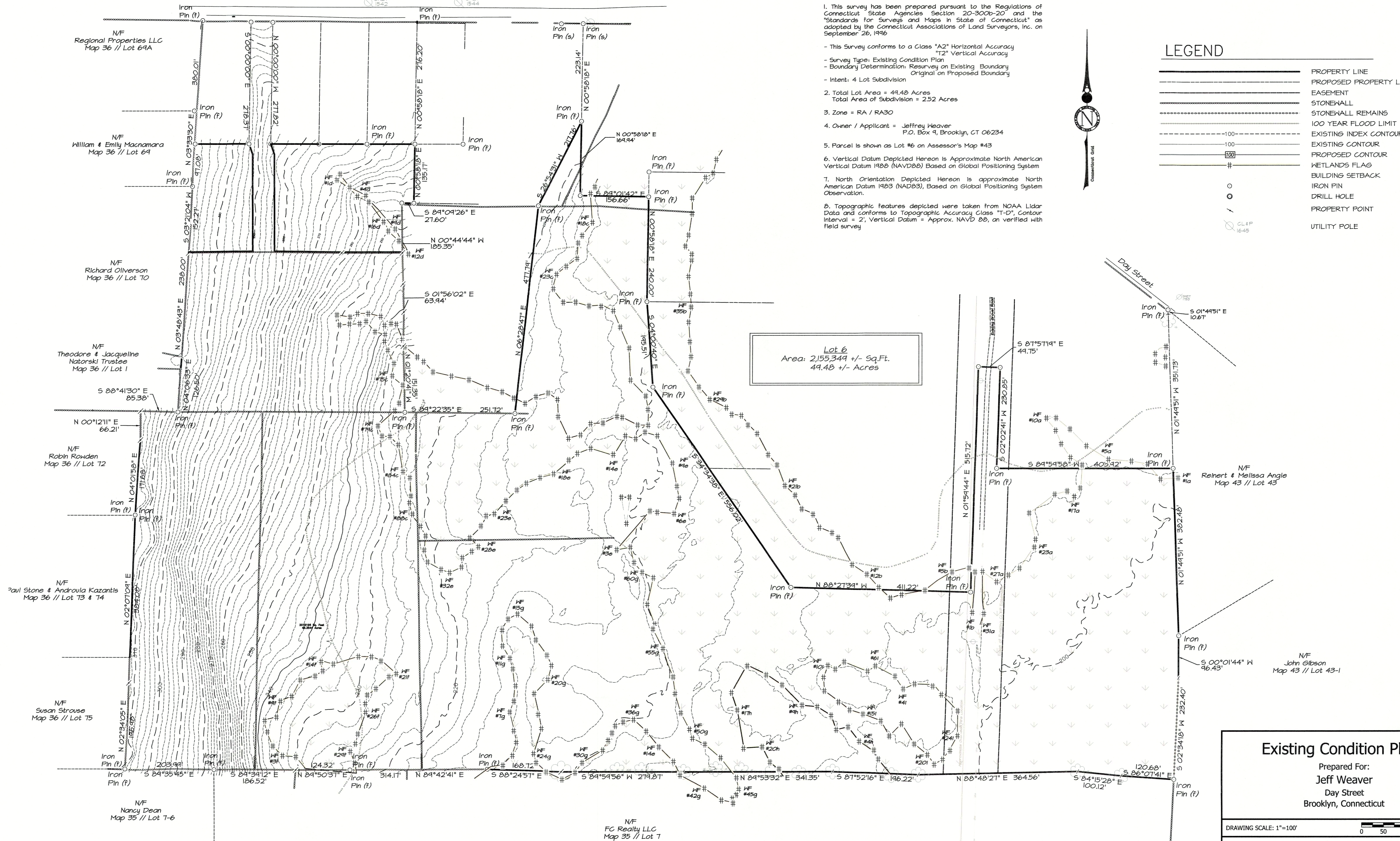
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
 - This Survey conforms to a Class "A2" Horizontal Accuracy "T2" Vertical Accuracy
 - Survey Type: Existing Condition Plan
 - Boundary Determination: Resurvey on Existing Boundary Original on Proposed Boundary
 - Intent: 4 Lot Subdivision
- Total Lot Area = 44.48 Acres
Total Area of Subdivision = 2.52 Acres
- Zone = RA / RA30
- Owner / Applicant = Jeff Weaver
P.O. Box 4, Brooklyn, CT 06234
- Parcel is shown as Lot #6 on Assessor's Map #43
- Vertical Datum Depicted Hereon is Approximate North American Vertical Datum 1988 (NAVD88) Based on Global Positioning System
- North Orientation Depicted Hereon is approximate North American Datum 1983 (NAD83), Based on Global Positioning System Observation.
- Topographic features depicted were taken from NOAA Lidar Data and conforms to Topographic Accuracy Class "T-D", Contour Interval = 2', Vertical Datum = Approx. NAVD 88, as verified with field survey



LEGEND

- PROPERTY LINE
- PROPOSED PROPERTY LINE
- EASEMENT
- STONEWALL
- STONEWALL REMAINS
- 100 YEAR FLOOD LIMIT
- EXISTING INDEX CONTOUR
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WETLANDS FLAG
- BUILDING SETBACK
- IRON PIN
- DRILL HOLE
- PROPERTY POINT
- UTILITY POLE

Lot 6
 Area: 2,155,349 +/- Sq.Ft.
 49.48 +/- Acres



Existing Condition Plan

Prepared For:
Jeff Weaver
 Day Street
 Brooklyn, Connecticut

DRAWING SCALE: 1"=100'

ARCHER Surveying LLC

18 Providence Road, Brooklyn, CT
 (860) 778-2240 / (860) 928-1921

LOUIS J. SOJA, JR.
LAND SURVEYOR - LICENSE # 1000

Sheet No. x Project No. 2212 Date: May 1, 2023

MAP REFERENCE:

- Division of Property - First Time Split, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: June 2018, Scale: 1"=100', Prepared by Archer Surveying LLC
- 10 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: May 2018, Scale: 1"=60', Prepared by Archer Surveying LLC
- 6 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: February 2020, Scale: 1"=50', Prepared by Archer Surveying LLC

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

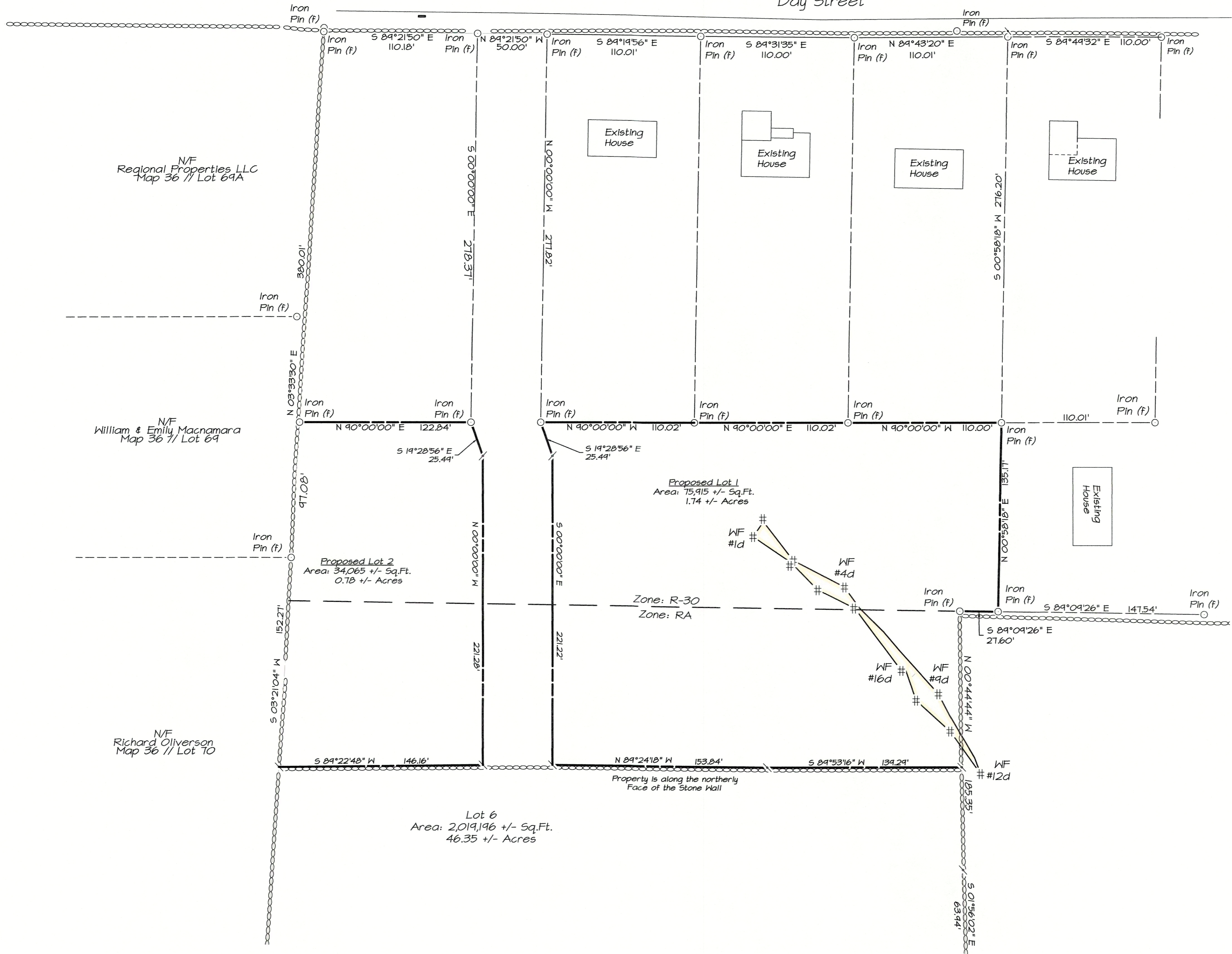
Paul M. Archer LL5 #70013 Date

No Certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

REVISIONS	
7/16	MISC

SNET 1534 SNET 1541 SNET 1542 SNET 1544

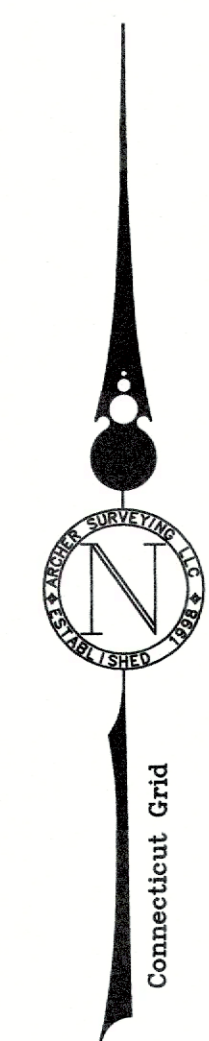
Day Street



N/F Regional Properties LLC
Map 36 // Lot 69A

N/F William & Emily Macnamara
Map 36 // Lot 69

N/F Richard Olliverson
Map 36 // Lot 10



Notes

- 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 Association of Land Surveyors, Inc. on September 26, 1996.
 - This Survey conforms to a Class "A-2" Horizontal Accuracy Class "T-2" Vertical Accuracy
 - Survey Type: Subdivision Plan
 - Boundary Determination: Resurvey on Existing Boundary Original on Proposed Boundary
 - Intent: 4 Lot Subdivision
- Total Lot Area = 49.48 Acres
Total Area of Subdivision = 2.52 Acres
- Zone = R-30 / RA
- Owner / Applicant = Jeffrey Weaver
P.O. Box 9, Brooklyn, CT 06234
- Parcel is shown as Lot #6 on Assessor's Map #43
- This Subdivision does include land areas within the Federal Emergency Management Agency's 100 year flood hazard area
- Wetlands shown were flagged in the field by Joseph Theroux, Certified Soil Scientist in April 2018 and field located by Archer Surveying LLC
- There are not Known endangered species or species of special concern on the subject property nor within 2 miles of the subject property per the December 2006 Natural Diversity Data Base Mapping
- Parcel does not lie within an aquifer protection area
- 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 variances or modifications are on file in the office of the commission.
- North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD83)
- Passive Solar Energy techniques were considered in the design of the subdivision

MAP REFERENCE:

- Division of Property - First Time Split, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: June 2018, Scale: 1"=100', Prepared by Archer Surveying LLC
- 10 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: May 2018, Scale: 1"=60', Prepared by Archer Surveying LLC
- 6 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: February 2020, Scale: 1"=50', Prepared by Archer Surveying LLC
- 4 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: July 2021, Scale: 1"=50', Prepared by Archer Surveying LLC

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

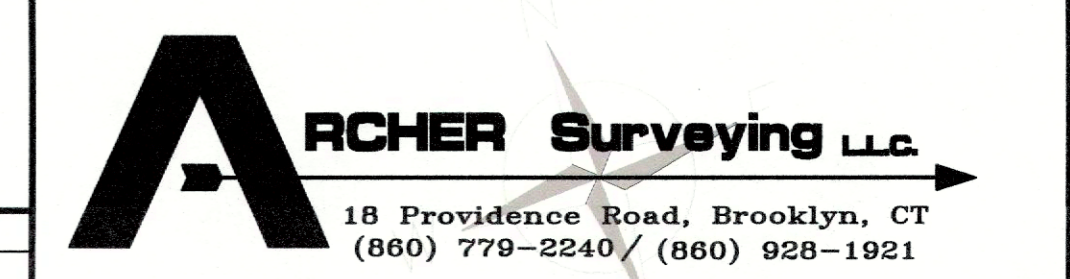
Paul M. Archer LLS #10013 Date

No Certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

Subdivision Plan
"2 Lot Subdivision"

Prepared For:
Jeffrey Weaver
Day Street
Brooklyn, Connecticut

DRAWING SCALE: 1"=40'

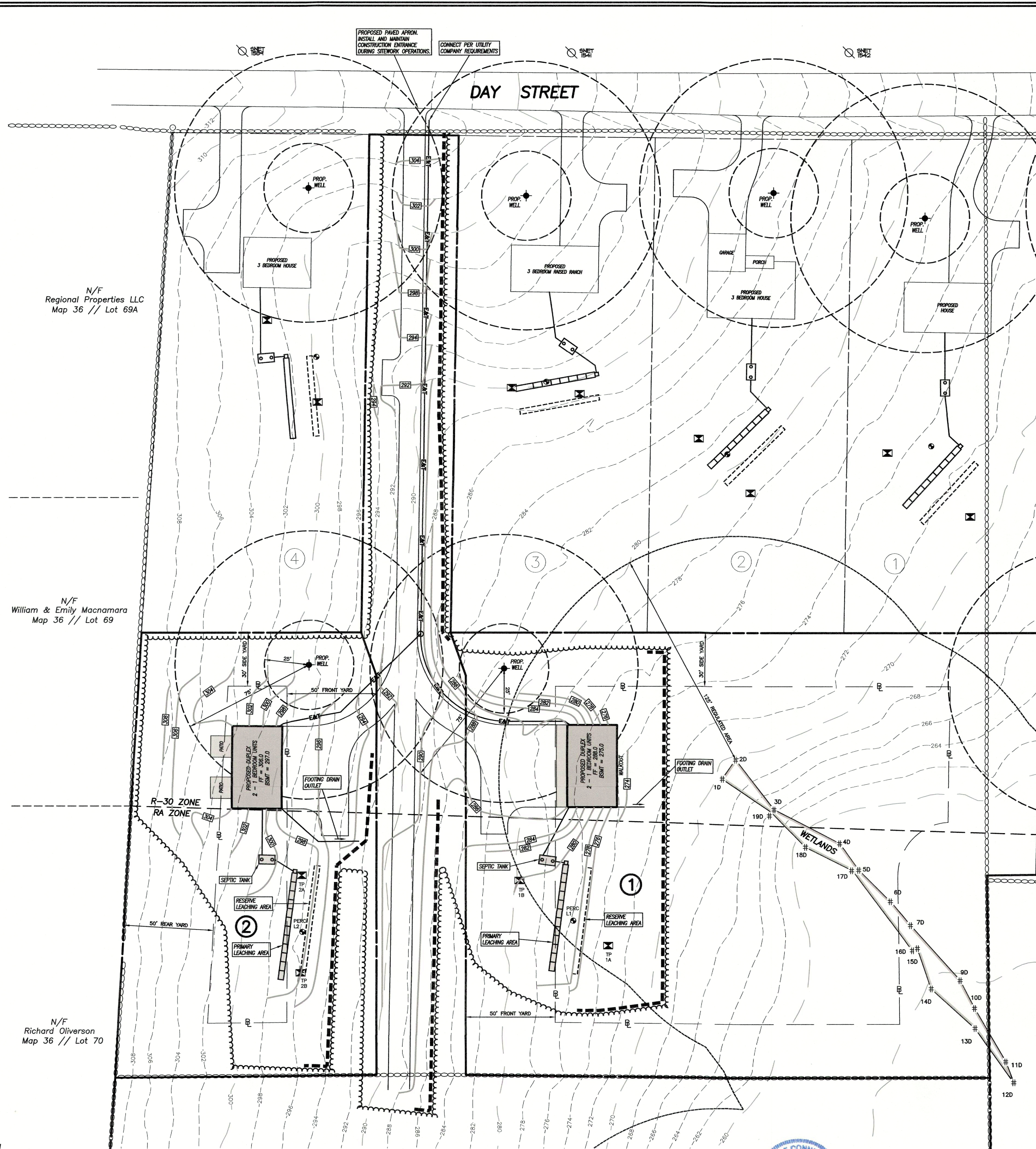


LOUIS J. SOJA, JR.
L.S. 5197-0-1-001-001

LEGEND

	EXISTING PROPERTY LINE		100 YEAR FLOOD LIMIT
	PROPOSED PROPERTY LINE		EXISTING INDEX CONTOUR
	EXISTING EASEMENT LINE		EXISTING CONTOUR
	ZONE LINE		WETLANDS FLAG
	STONEWALL		BUILDING SETBACK
	STONEWALL REMAINS		IRON PIN FOUND
	UTILITY POLE		PROPERTY POINT

REVISIONS	



N/F
Regional Properties LLC
Map 36 // Lot 69A

N/F
William & Emily Macnamara
Map 36 // Lot 69

N/F
Richard Oliverson
Map 36 // Lot 70

SEPTIC SYSTEM DESIGN DATA - LOT 1

Percolation Rate = 3.33 min. / in.
 2 bedroom duplex requires = 660 s.f. effective leaching area
 Effective Leaching area = 11.0 s.f. / l.f. of trench
 Length Required = 660/11.0 = 60 l.f.
 Length Provided = 12 units @ 5 l.f. = 60 l.f.
 Min. Leaching System Spread (MLSS) = 20.0 x 2.0 x 1.0 = 40'
 MLSS Provided = 60'
LEACHING FIELD
 60 l.f. Mantis 536-8 leaching units (12 units @ 5 l.f. each)
 Maximum depth into existing grade = 6"

SEPTIC SYSTEM DESIGN DATA - LOT 2

Percolation Rate = 3.33 min. / in.
 2 bedroom duplex requires = 660 s.f. effective leaching area
 Effective Leaching area = 11.0 s.f. / l.f. of trench
 Length Required = 660/11.0 = 60 l.f.
 Length Provided = 12 units @ 5 l.f. = 60 l.f.
 Min. Leaching System Spread (MLSS) = 26.0 x 2.0 x 1.0 = 52'
 MLSS Provided = 60'
LEACHING FIELD
 60 l.f. Mantis 536-8 leaching units (12 units @ 5 l.f. each)
 Maximum depth into existing grade = 2"

LEGEND

- ☒ TEST PIT
- # WETLAND FLAG
- STONE WALL
- EXISTING INDEX CONTOUR
- - - EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED UTILITIES
- PROPOSED CLEARING LIMITS
- PROPOSED SILT FENCE
- BUILDING SETBACK LINE

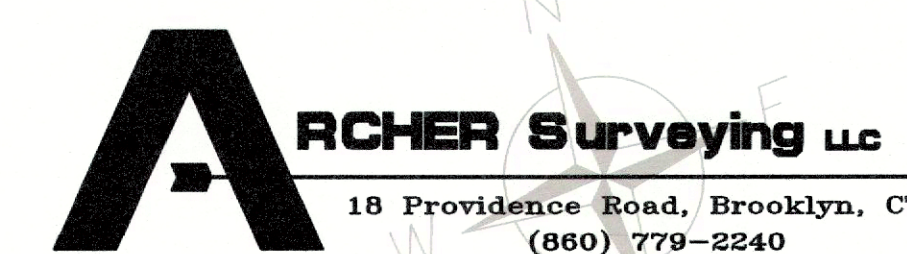
SURVEY NOTES:

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 as amended on October 26, 2018; 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.
 - This survey conforms to a Class "C" horizontal accuracy.
 - Topographic features conform to a Class "T-2" accuracy.
 - Survey Type: General Location Survey.
2. The subject parcel is shown as a portion of lot #6, on assessor's map #43.
3. Zone: R-30 & RA.
4. Owner of record: Jeffrey Weaver, P.O. Box 9, Brooklyn, CT 06234
5. The intent of this survey is to show the residential development of the subject property.
6. Elevations based on NAVD 1988. Contour interval = 2'.
7. North orientation is referenced to Connecticut State Plane Coordinates, NAD83.
8. The locations of existing utilities are based on surface evidence and other sources of information. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.
9. Wetlands were flagged in the field by Joseph Theroux, certified soil scientist in April, 2018.

Site Development Plan

Prepared For:
 Jeffrey Weaver
 Day Street
 Brooklyn, Connecticut

DRAWING SCALE: 1"=30'



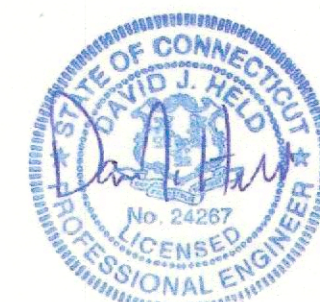
Provost & Dovero, Inc.

Civil Engineering • Surveying • Site Planning
 Structural • Mechanical • Architectural Engineering
 57 East Main Street, P.O. Box 191
 Plainfield, Connecticut 06374
 (860) 230-0856 - FAX: (860) 230-0860
 info@provostinc.com
 www.provostinc.com

REVISIONS	
DATE	DESCRIPTION

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

PAUL M. ARCHER LLS #70013 DATE



5/1/2023
 ENGINEER DATE

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

EROSION AND SEDIMENT CONTROL PLAN.

REFERENCE IS MADE TO:

1. Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
2. Soil Survey of Middlesex County Connecticut, U.S.D.A. Soil Conservation Service 1983.

DEVELOPMENT SCHEDULE (Individual Lots):

1. Prior to any work on site, the limits of disturbance shall be clearly flagged in the field by a Land Surveyor licensed in the State of Connecticut. Once the limits of clearing are flagged, they shall be reviewed and approved by an agent of the Town.
2. Install and maintain erosion and sedimentation control devices as shown on these plans. All erosion control devices shall be inspected by an agent of the Town. Any additional erosion control devices required by the Town's Agent shall be installed and inspected prior to any construction on site. (See silt fence installation notes.)
3. Install construction entrance.
4. Construction will begin with clearing, grubbing and rough grading of the proposed site. The work will be confined to areas adjacent to the proposed building, septic system and driveway. Topsoil will be stockpiled on site and utilized during final grading.
5. Begin construction of the house, septic system and well.
6. Disturbed areas shall be seeded and stabilized as soon as possible to prevent erosion.
7. The site will be graded so that all possible trees on site will be saved to provide buffers to adjoining lots.

DEVELOPMENT CONTROL PLAN:

1. Development of the site will be performed by the individual lot owner, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout construction.
2. The sedimentation control mechanisms shall remain in place from start of construction until permanent vegetation has been established. The representative for the Town of Brookline will be notified when sediment and erosion control structures are initially in place. Any additional soil & erosion control measures requested by the Town or its agent, shall be installed immediately. Once the proposed development, seeding and planting have been completed, the representative shall again be notified to inspect the site. The control measures will not be removed until this inspection is complete.
3. All strippling is to be confined to the immediate construction area. Topsoil shall be stockpiled so that slopes do not exceed 2 to 1. A hay bale sediment barrier is to surround each stockpile and a temporary vegetative cover shall be provided.
4. Dust control will be accomplished by spraying with water and if necessary, the application of calcium chloride.
5. The proposed planting schedule is to be adhered to during the planting of disturbed areas throughout the proposed construction site.
6. 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.

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 overlapped, undercut or bypassed by runoff water,
 - the fence has been moved out of position (rocked over), 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 hedged with stakes 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 overlapped, undercut or bypassed by runoff water,
 - the barrier has been moved out of position, or
 - the hay bales have decomposed or been damaged.

TEMPORARY VEGETATIVE COVER:

SEED SELECTION

Grass species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figure T5-2 in the 2002 Guidelines.

TIMING CONSIDERATIONS

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

SITE PREPARATION

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and grassed waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

SEEDBED PREPARATION

Loosen the soil to a depth of 3-4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, discing, harrowing, raking or dragging with a section of chain link fence. Avoid excessive compaction of the surface by equipment traveling back and forth over the surface. If the slope is tracked, the track marks shall be perpendicular to the anticipated direction of the flow of surface water.

If soil testing is not practical or feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 15 pounds per 1,000 square feet of 10-10-10 or equivalent. Additionally, lime may be applied using rates given in Figure T5-1 in the 2002 Guidelines.

SEEDING

Apply seed uniformly by hand cyclone seeder, drill, cultipacker type seeder or hydroseeder at a minimum rate for the selected species. Increase seeding rates by 10% when hydroseeding.

MULCHING

Temporary seedings made during optimum seeding dates shall be mulched according to the recommendations in the 2002 Guidelines. When seeding outside of the recommended dates, increase the application of mulch to provide 45%-100% coverage.

MAINTENANCE

Inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and soil erosion.

Where seed has moved or where soil erosion has occurred, determine the cause of the failure. Repair eroded areas and install additional controls if required to prevent recurrence of erosion.

Continue inspections until the grasses are firmly established. Grasses shall not be considered established until a ground cover is achieved which is mature enough to control soil erosion and to survive severe weather conditions (approximately 80% vegetative cover).

PERMANENT VEGETATIVE COVER:

Refer to Permanent Seeding Measure in the 2002 Guidelines for specific applications and details related to the installation and maintenance of a permanent vegetative cover. In general, the following sequence of operations shall apply:

1. Topsoil will be replaced once the excavation and grading has been completed. Topsoil will be spread at a minimum compacted depth of 4".
2. Once the topsoil has been spread, all stones 2" or larger in any dimension will be removed as well as debris.
3. Apply agricultural ground limestone at a rate of 2 tons per acre or 100 lbs. per 1,000 s.f. Apply 10-10-10 fertilizer or equivalent at a rate of 300 lbs. per acre or 15 lbs. per 1,000 s.f. Work lime and fertilizer into the soil to a depth of 4".
4. Inspect seedbed before seeding. If traffic has compacted the soil, retilled compacted areas.
5. Apply the chosen grass seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 - October 1.
6. Following seeding, firm seedbed with a roller. Mulch immediately following seeding. If a permanent vegetative stand cannot be established by September 30, apply a temporary cover on the topsoil such as netting, mat or organic mulch.

EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detachment and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

The more land that is in vegetative cover, the more surface water will infiltrate into the soil, thus minimizing stormwater runoff and potential erosion. Keeping land disturbance to a minimum not only involves minimizing the extent of exposure at any one time, but also the duration of exposure. Phasing, sequencing and construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work over a specific area occurs over distinct periods of time and each phase is not dependent upon a subsequent phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be developed on the premise of "first things first" and "last things last" with proper attention given to the scheduling of adequate erosion and sediment control measures. A construction schedule is a sequence with time lines applied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas essential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction. Ensure all outlets are stable before outletting storm drainage flow to them.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by diverting and reducing the erosive energy of water. The erosive energy of water increases as the volume and velocity of runoff increases. The volume and velocity of runoff increases due to development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Use diversions, stone ditches, all fences and similar measures to break flow lines and dissipate storm water energy.
- Avoid diverting one drainage system into another without calculating the potential for downstream flooding or erosion.

KEEP CLEAN RUNOFF SEPARATED

Clean runoff should be kept separated from sediment laden water and should not be directed over disturbed areas without additional controls. Additionally, prevent the mixing of clean off-site generated runoff with sediment laden runoff generated on-site until after adequate filtration of on-site waters has occurred.

- Segregate construction waters from clean water.
- Divert site runoff to keep it isolated from wetlands, watercourses and drainage ways that flow through or near the development until the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub-drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the potential off-site damage that it can cause is reduced. It is generally more expensive to correct off-site damage than it is to install proper internal controls.

- Control erosion and sedimentation in the smallest drainage area possible. It is easier to control erosion than to contend with sediment after it has been carried downstream and deposited in unwanted areas.
- Direct runoff from small disturbed areas to adjoining undisturbed vegetated areas to reduce the potential for concentrated flows and increase settlement and filtering of sediments.
- Concentrated runoff from development should be safely conveyed to stable outlets using rip rapped channels, waterways, diversions, storm drains or similar measures.
- Determine the need for sediment basins. Sediment basins are required on larger developments where major grading is planned and where it is impossible or impractical to control erosion at the source. Sediment basins are needed on large and small sites where sensitive areas such as wetlands, watercourses, and streets would be impacted by off-site sediment deposition. Do not locate sediment basins in wetlands or permanent or intermittent watercourses. Sediment basins should be located to intercept runoff prior to its entry into the wetland or watercourse.
- Grade and landscape around buildings and septic systems to divert water away from them.

SEPTIC SYSTEM CONSTRUCTION NOTES

1. The building, septic system and well shall be accurately staked in the field by a licensed Land Surveyor in the State of Connecticut, prior to construction.

2. Topsoil shall be removed and in the area of the primary leaching field scarified, prior to placement of septic fill. Septic fill specifications are as follows:
- Max. percent of gravel (material between No. 4 & 3 inch sieves) = 45%

GRADATION OF FILL (MINUS GRAVEL)

SIEVE SIZE	PERCENT PASSING (WET SIEVE)	PERCENT PASSING (DRY SIEVE)
No. 4	100%	100%
No. 10	10% - 100%	10% - 100%
No. 40	10% - 50%	10% - 15%
No. 100	0% - 20%	0% - 5%
No. 200	0% - 5%	0% - 2.5%

Fill material shall be approved by the sanitarian prior to placement. It shall be compacted in 6" lifts and shall extend a minimum of ten feet (10') beyond the last leaching trench before tapering off.

3. Septic tank shall be two compartment precast 1500 gallon tank with gas deflector and outlet filter as manufactured by Jolley Precast, Inc. or equal.

4. Distribution boxes shall be 4 hole precast concrete as manufactured by Jolley Precast, Inc. or equal.

5. All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.

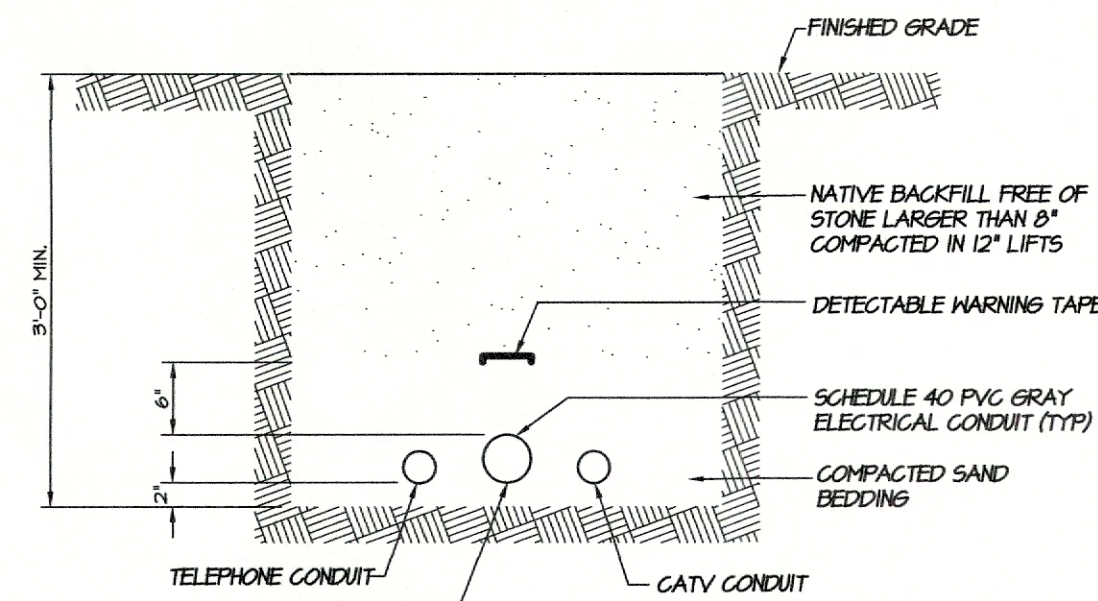
6. Solid distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 SDR 35 with compression gasketed joints. It shall be laid true to the grades shown on the plans and in no case have a slope less than 0.125 inches per foot.

7. Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D-2724 or ASTM D-3350, 1500 lb. minimum crush.

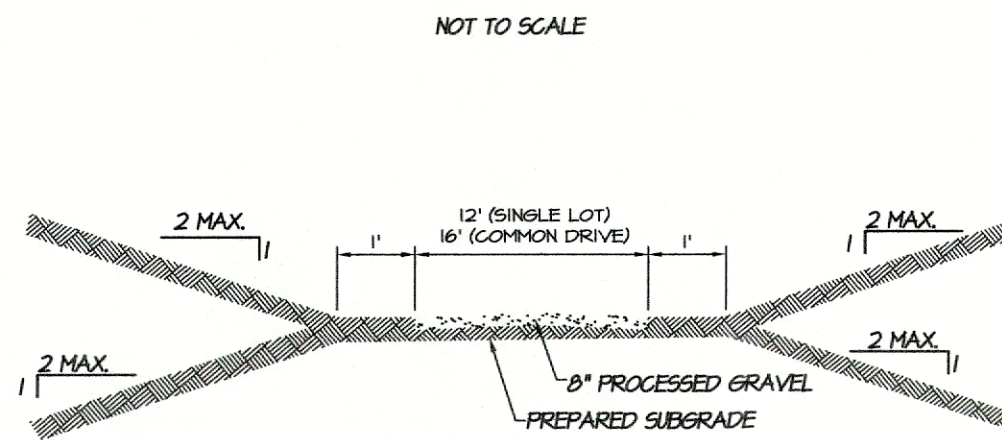
8. Sewer pipe from the foundation wall to the septic tank shall be schedule 40 PVC meeting ASTM D 1785. It shall be laid true to the grades shown on the plans and in no case shall have a slope less than 0.25 inches per foot.

9. Force main pressure pipe from pump chamber to the leaching field shall be 2" diameter pvc meeting ASTM D 2241 SDR 21.

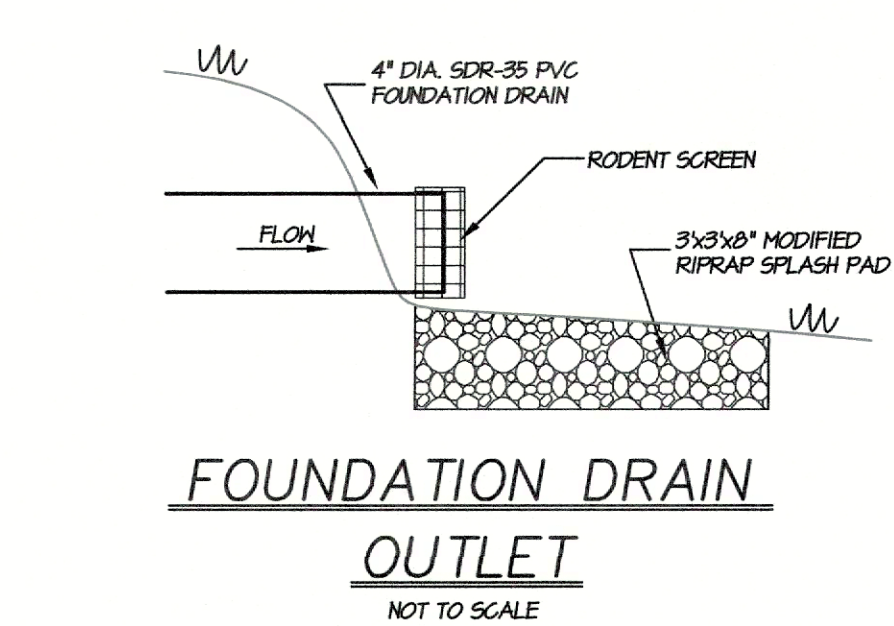
10. Solid footing drain outlet pipe shall be 4" Diameter PVC meeting ASTM D 3034, SDR 35 with compression gasketed joints. Footing drain outlet pipe shall not be backfilled with free draining material, such as gravel, broken stone, rock fragments, etc.



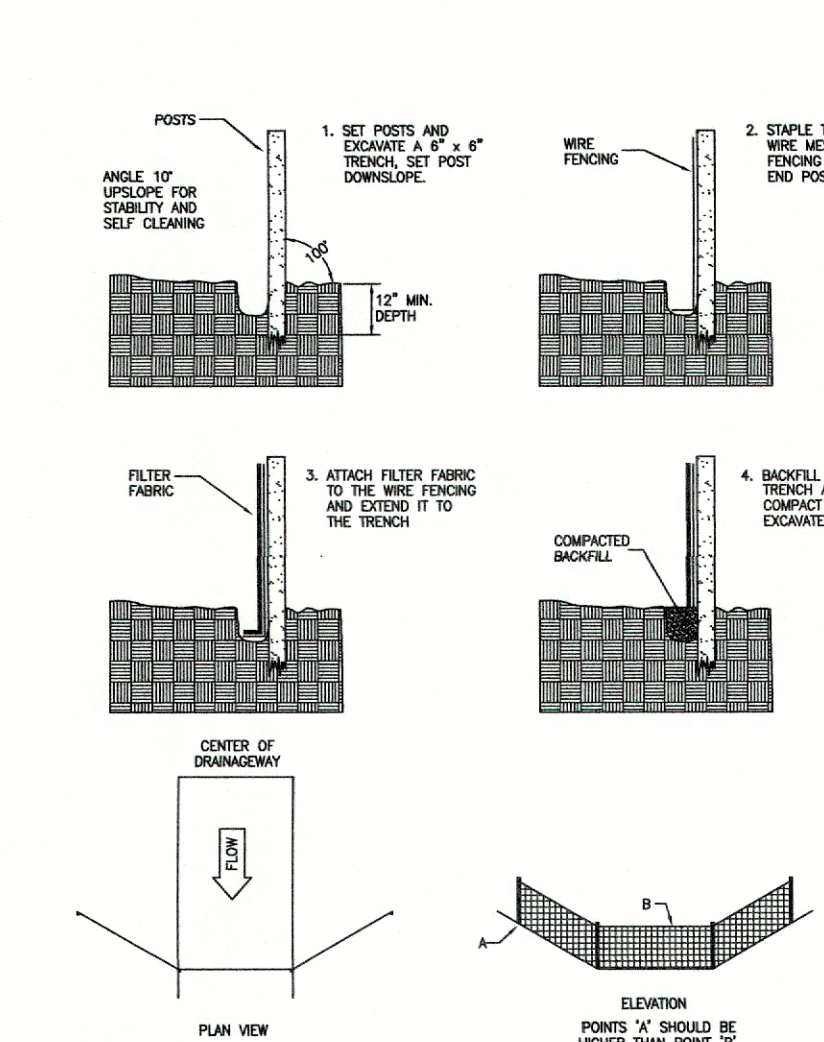
NOTE: CONTRACTOR SHALL PROVIDE SILTYCLAY DAMS AT 100' INTERVALS ALONG PROPOSED UTILITY TRENCH TO AVOID TRANSPORTING INTERCEPTED WATER.



NOT TO SCALE



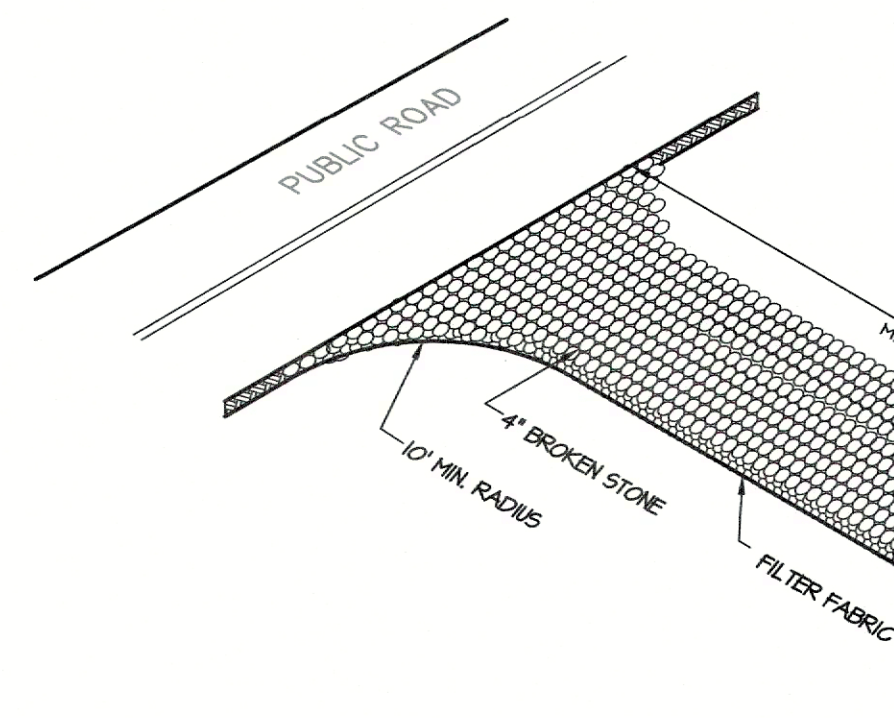
FOUNDATION DRAIN OUTLET
NOT TO SCALE



PLAN VIEW

ELEVATION POINTS 'A' SHOULD BE HIGHER THAN POINT 'B'

SILT FENCE
NOT TO SCALE



CONSTRUCTION ENTRANCE
NOT TO SCALE

TEST PIT OBSERVATIONS 2/16/2023

Observed by: Donovan Moe, NDDH

TEST PIT	DEPTH	PROFILE
1A	0-12"	topsoil
	12-36"	brown sandy loam
	36-48"	tan fine sandy loam with pockets of rotten rock
	48-96"	wet gray sandy loam with rotten rock
	Mottling	36"
1B	GWT	N/A
	Ledge	48" (seepage)
	Roots	N/A
	Restrictive	16"
	Restrictive	36"
	Restrictive	30"
2A	0-6"	topsoil
	6-30"	brown sandy loam to a tan fine sandy loam
	30-87"	compact gray mottled sandy loam with fines
	87-93"	groundwater
	Mottling	30"
	GWT	87" (seepage @ 42")
	Ledge	N/A
	Roots	18"
	Restrictive	30"
	Restrictive	30"
2B	0-5"	topsoil
	5-26"	brown sandy loam w/fines
	26-95"	Compact Gray Sandy Loam
	Mottling	26"
	GWT	N/A
	Ledge	N/A
	Roots	5"
	Restrictive	26"
	Restrictive	26"
	Restrictive	26"

TEST PIT OBSERVATIONS 2/16/2023

Observed by: Donovan Moe, NDDH

TEST PIT	DEPTH	PROFILE
2A	0-5"	topsoil
	5-26"	brown sandy loam w/fines
	26-95"	Compact Gray Sandy Loam
	Mottling	26"
	GWT	N/A
	Ledge	N/A
	Roots	5"
	Restrictive	26"
	Restrictive	26"
	Restrictive	26"
2B	0-6"	topsoil
	6-26"	brown sandy loam w/fines
	26-88"	compact gray mottled sandy loam with fines
	88-94"	groundwater
	Mottling	26"
	GWT	88"
	Ledge	N/A
	Roots	20"
	Restrictive	26"
	Restrictive	26"

PERCOLATION TESTS 2/13/2023

Observed by: Donovan Moe, NDDH

Perc L1
Depth: 24"

TIME	DEPTH
12:13	2.75"
12:18	12"
12:28	18.5"
12:33	20.5"
12:38	22"

Percolation Rate: 3.33 min/inch

PERCOLATION TESTS 2/13/2023

Observed by: Donovan Moe, NDDH

Perc L2
Depth: 20"

TIME	DEPTH
12:47	1"
12:49	5"
12:52	8"
12:55	10"
1:00	13"
1:05	15"
1:10	16.5"
1:15	18"

Percolation Rate: 3.33 min/inch

Detail Sheet
"2 Lot Subdivision"

Prepared For:
Jeffrey Weaver
Day Street
Brooklyn, Connecticut

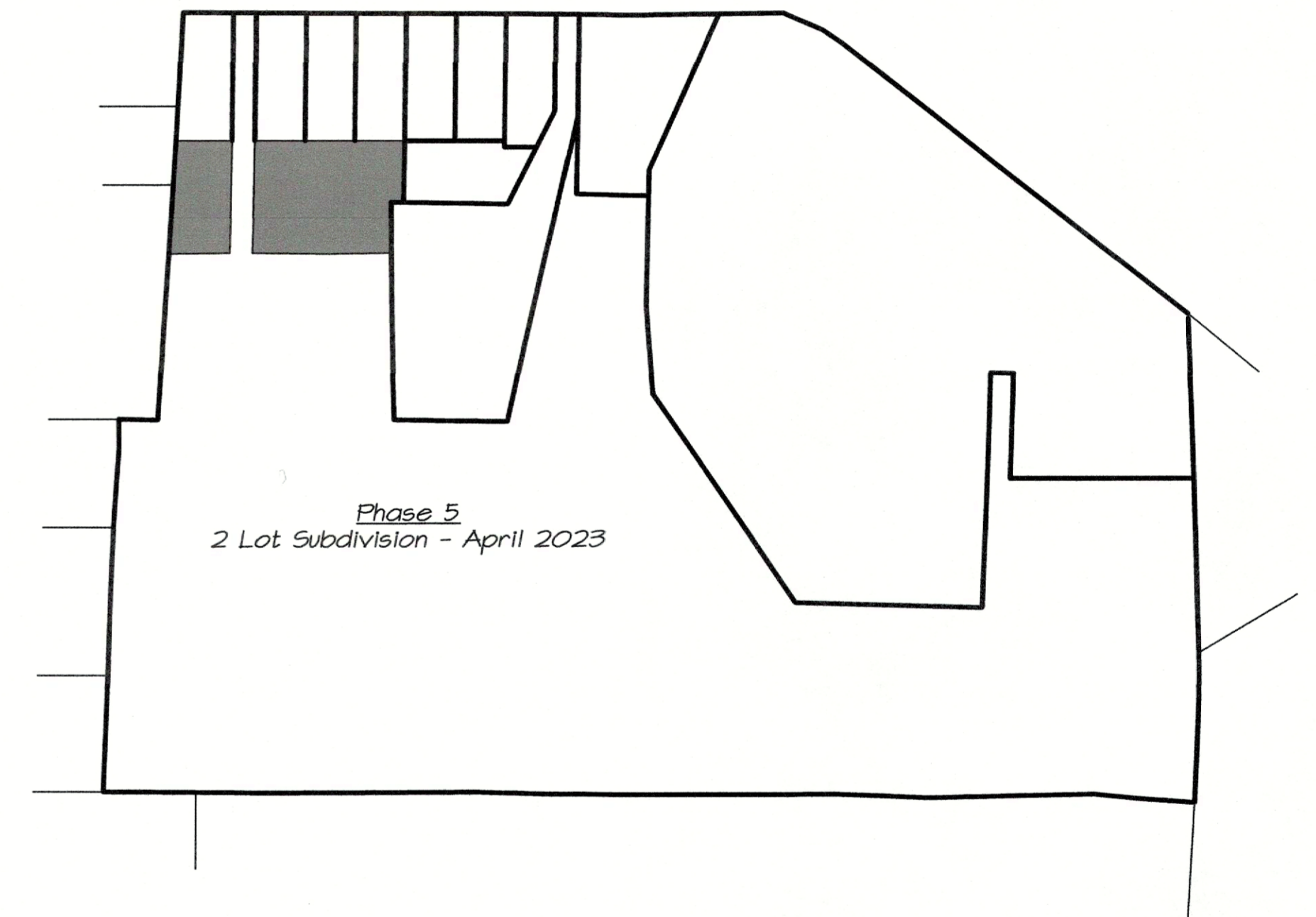
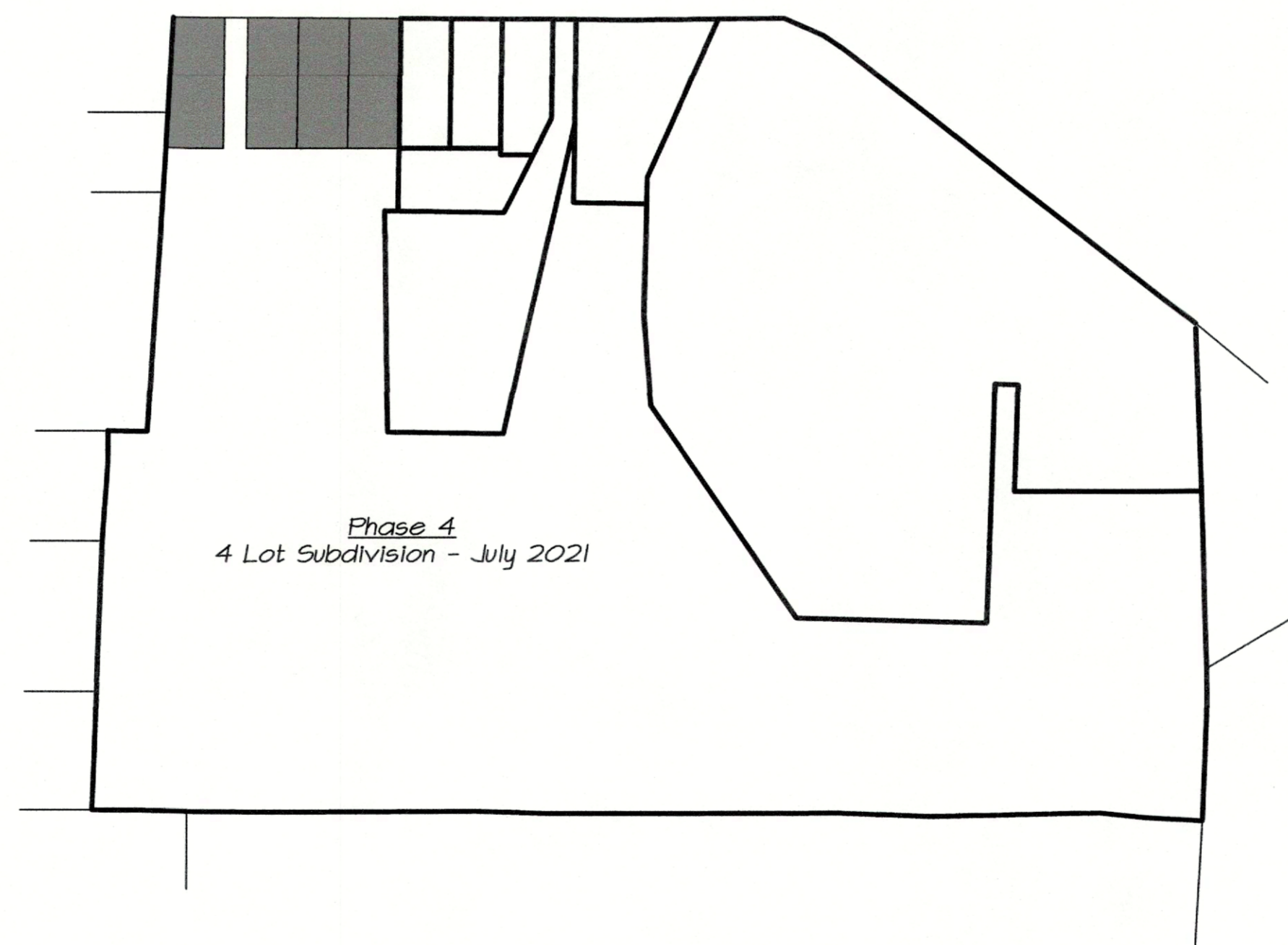
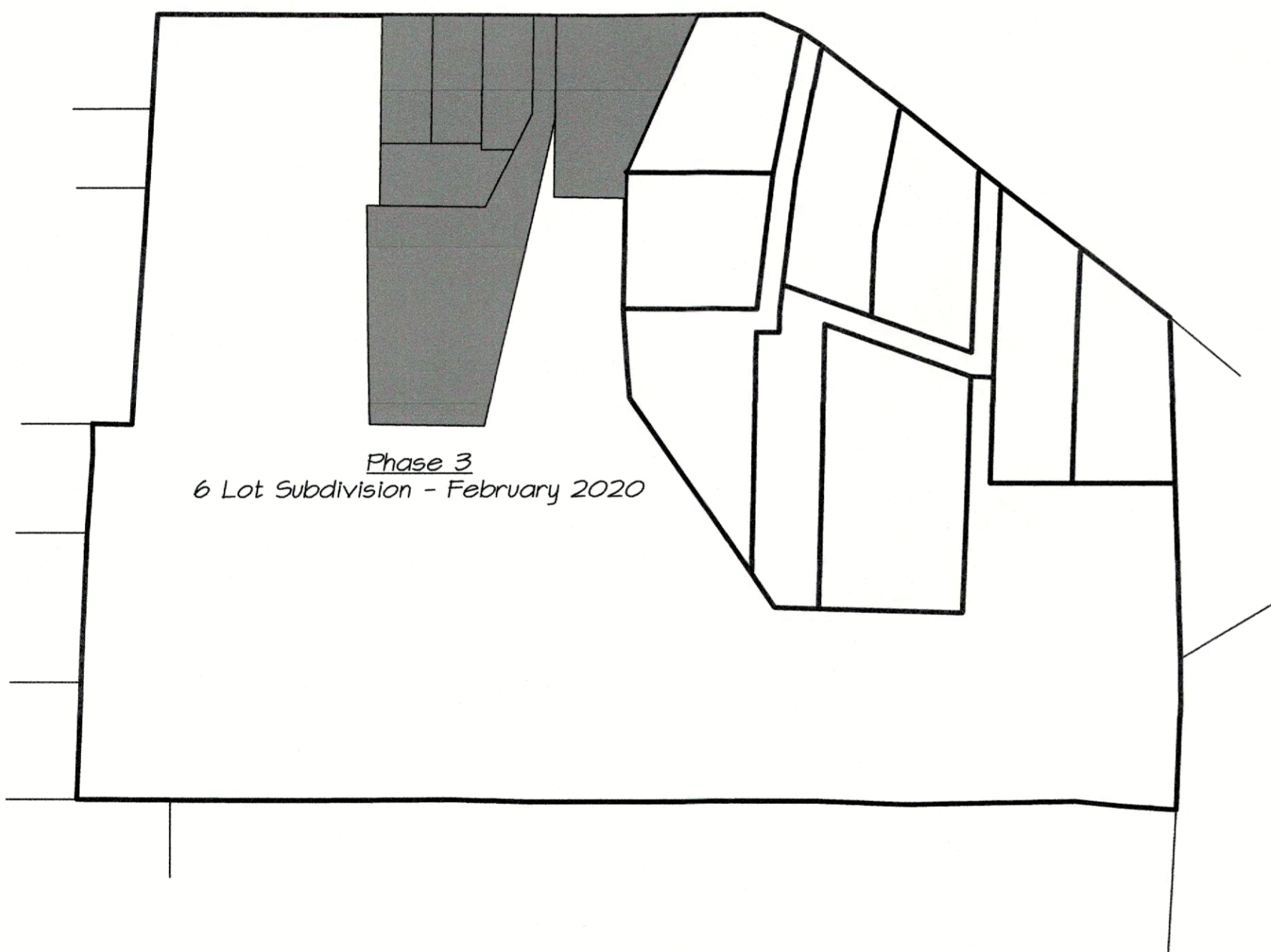
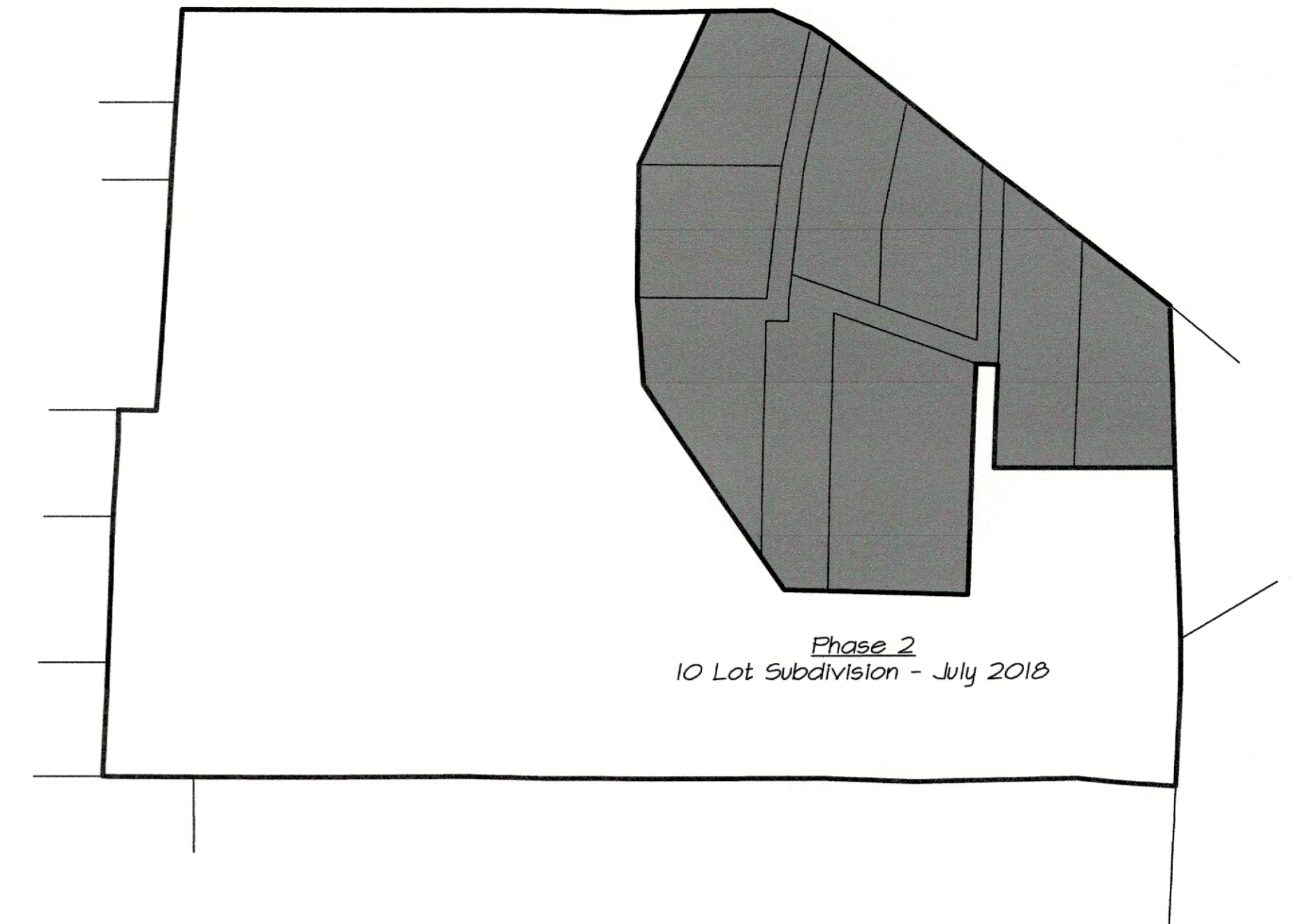
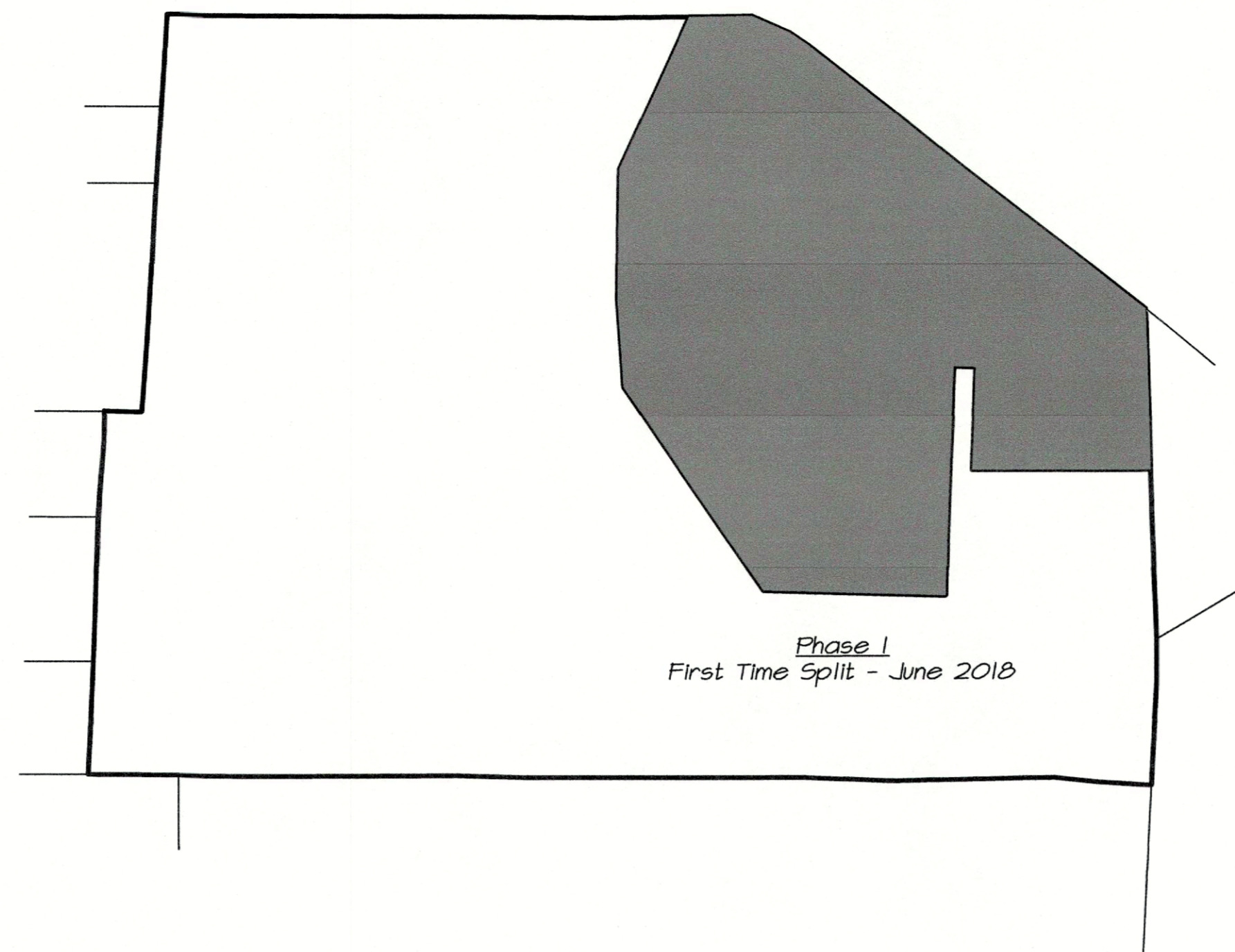
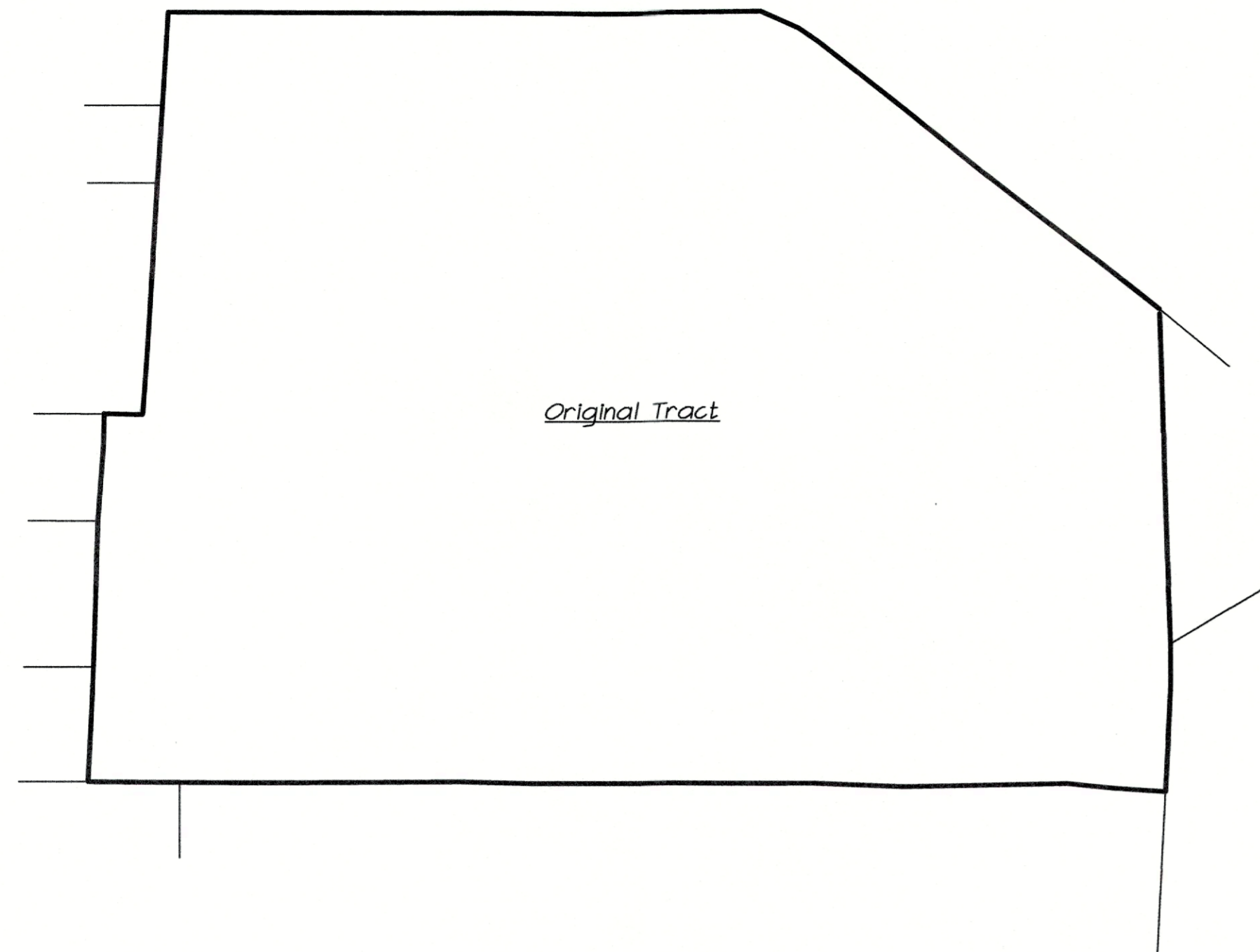
DRAWING SCALE: 1"=40'

ARCHER Surveying LLC
18 Providence Road, Brooklyn, CT
(860) 779-2240 / (860) 926-1921

KWP **CONCRETE**
SURVEYING - ENGINEERING - SITE PLANNING

LOUIS J. SOJA, JR.
LAND SURVEYOR - LAND PLANNER

Sheet No. 5 of 6 Project No. 2212 Date: May 1, 2023



Grantor	Grantee	Date	Vol. / Pg.
	Michael & Sara Lancer	October 1969	48 / 266
Michael & Sara Lancer	Harold Lancer	July 1989	96 / 379
Harold Lancer	Harold Lancer Trustee	July 1997	184 / 89
Harold Lancer Trustee	Jeffrey Weaver	April 2018	608 / 299
Jeffrey A Weaver	Jeffrey A Weaver	June 2018	611 / 81

History Plan
 "2 Lot Subdivision"
 Prepared For:
 Jeffrey Weaver
 Day Street
 Brooklyn, Connecticut

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

REVISIONS	
DATE	DESCRIPTION

NORTHEAST DISTRICT DEPARTMENT OF HEALTH
69 SOUTH MAIN STREET
BROOKLYN, CT 06234
(860) 774-7350

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

File # 23000175 Map # 43 Block # _____ Lot # 6
 Property Owner Jeffrey Weaver Address Day Street, Brooklyn

DATE: 2/13/23

DEEP TEST PIT DATA/SOIL DESCRIPTIONS

TEST PIT: 1A	TEST PIT: 1B	TEST PIT: 2A	TEST PIT: 2B
0-12" Top Soil	0-6" Top Soil	0-5" Top Soil	0-6" Top Soil
12"-36" Brown Sandy Loam	6"-30" Brown Sandy Loam to a Tan Fine Sandy Loam	5"-26" Brown Sandy Loam with fines	6"-26" Brown Sandy Loam with Fines
36"-48" Tan Fine Sandy Loam with Peckets of Rotten Rock	30"-87" Compact Gray Mottled Sandy Loam with Fines	26"-95" Compact Gray Sandy Loam	26"-88" Compact Gray Sandy Loam with Fines, Mottled
48"-96" Wet Gray Sandy Loam with Rotten Rock	87"-93" Groundwater		88"-94" Groundwater
Mottles: 36"	Mottles: 30"	Mottles: 26"	Mottles: 26"
GW:	GW: 87"	GW:	GW: 88"
Seepage = 48"	Seepage = 42"	Ledge:	Ledge:
Roots: 16"	Roots: 18"	Roots: 5"	Roots: 20"
Restrictive: 36"	Restrictive: 30"	Restrictive: 26"	Restrictive: 26"

COMMENTS: _____

GROUNDWATER TABLE (Near max., below max., etc.): Near Max
 SOIL MOISTURE (High, medium, low, etc.): Medium - High

PERCOLATION TEST DATA

DATE: 2/13/23

PERC: L1		PERC: L2		PERC:		PERC:	
DEPTH: 24"		DEPTH: 20"		DEPTH:		DEPTH:	
PRESOAK: 1 Hour		PRESOAK: 1 Hour		PRESOAK:		PRESOAK:	
TIME	READING	TIME	READING	TIME	READING	TIME	READING
12:13	2.75"	12:47	1"				
12:18	12"	12:49	5"				
12:28	18.5"	12:52	8"				
12:33	20.5"	12:55	10"				
12:38	22"	1:00	13"				
		1:05	15"				
		1:10	16.5"				
		1:15	18"				
PERC RATE: 3.33 min/inch		PERC RATE: 3.33 min/inch		PERC RATE:		PERC RATE:	

COMMENTS: _____

**NORTHEAST DISTRICT DEPARTMENT OF HEALTH
69 SOUTH MAIN STREET
BROOKLYN, CT 06234
(860) 774-7350**

SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

File # 23000175 Map # 43 Block # _____ Lot # 6
 Property Owner Jeffrey Weaver Address Day Street, Brooklyn

LOCATION DRAWING INCLUDING ALL TEST PITS AND PERCOLATION HOLES

* All test pits + perc holes located by surveyor *

SPECIAL CONDITIONS		DESIGN RECOMMENDATIONS	
Design Flow > 2000 GPD		Suitable for Sewage Disposal	✓
Public Water Supply Watershed		Unsuitable for Sewage Disposal	
Probable High Groundwater	✓	Wet Season Monitoring Required	
Slope > 25 percent		Engineered Plan Required	
Perc Rate < 1 min/inch		Surveyor Plan Required	✓
Perc Rate > 30 min/inch		Septic Installer Plan Required	
Ledge < 5 feet below grade		Number of Bedrooms	3
Limited Suitable Area		Gallons Per Day (Non-Residential)	
Open Watercourse or Wetlands		Size of Septic Tank Required	1,000 gallons
Flood Plain / Seasonal Flooding		Effective Leaching Area Required	495 sq ft
Max. G.W. < 36 inches below grade		Maximum Depth into Grade	L1=6" / L2=2"

DESIGN RECOMMENDATIONS/COMMENTS

A septic design for either lot will require a 1,000 gallon two-compartment septic tank and 495 square feet of ELA, (based on 3 bedrooms) The maximum depth into grade for Lot #1 is 6" and Lot #2 is 2" inches. Sub-Division plan to be submitted to NDDH for review + approval.

Investigated By: Douglas Moe Title: EHS

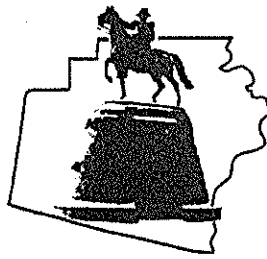
Witnessed By: Jeffrey Weaver Title: Property Owner

Copies To: Applicant _____ Other _____









The as-built plan needs to show the limits of work on the east side of the driveway.

Brooklyn Land Use Department

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

The plan needs to be revised to show stockpiling on the east side of the driveway.

Inland Wetlands Zoning Enforcement Blight Enforcement

SITE INSPECTION NUMBER

1 2 3 4 5

Doug Hartin/Arters Quarry

4/24/23

Address

Date

Jana and I met Doug Hartin. He brings some spoils to the transfer station. Photos were taken. in Woodstock

Jeff Joslin does the hand/hammer splitting of the stone. (labor)

Doug is discussing stabilizing the site and retiring from the quarry within 2 years, approximately.

Doug says he will only blast in Phase 1 from here on out.

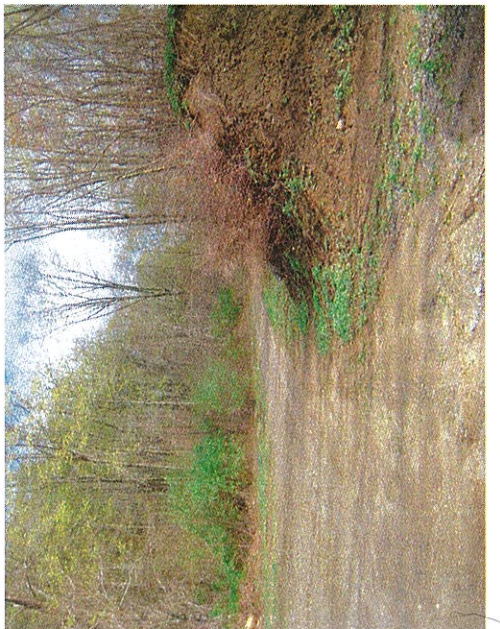
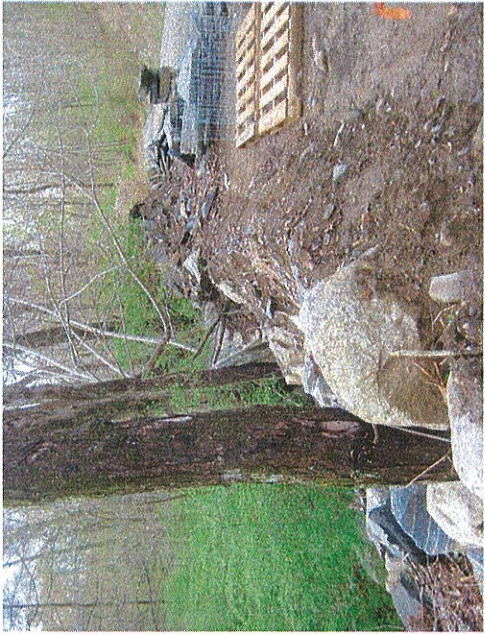
I am concerned about stockpiling of spoils on the east side of the existing driveway. There appears to be encroachment into the wetlands. The plan refers to stockpiling palletted stone or sorted stone - not spoils.

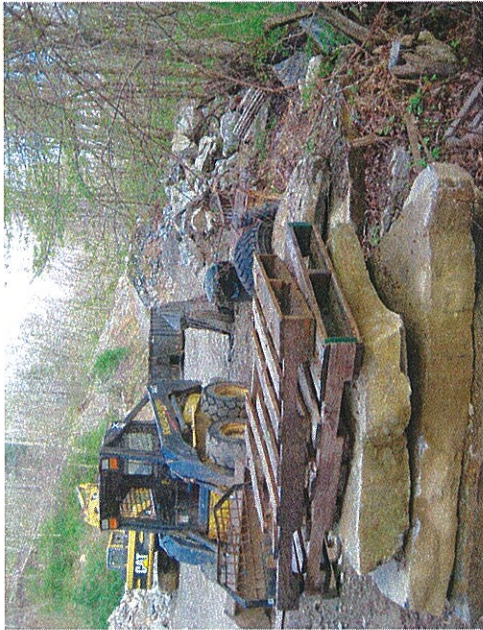
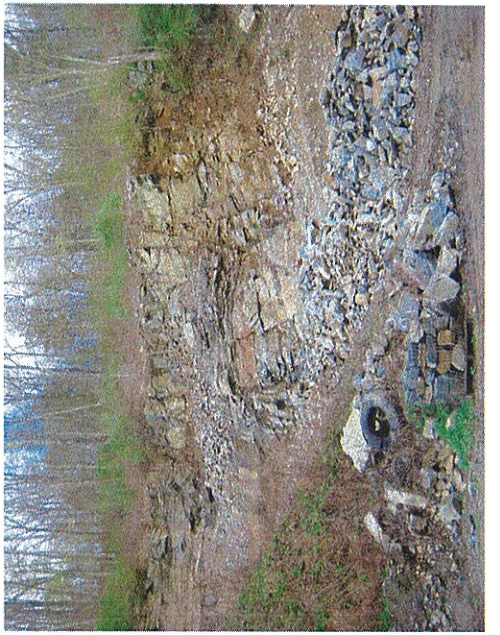
Commission Representative

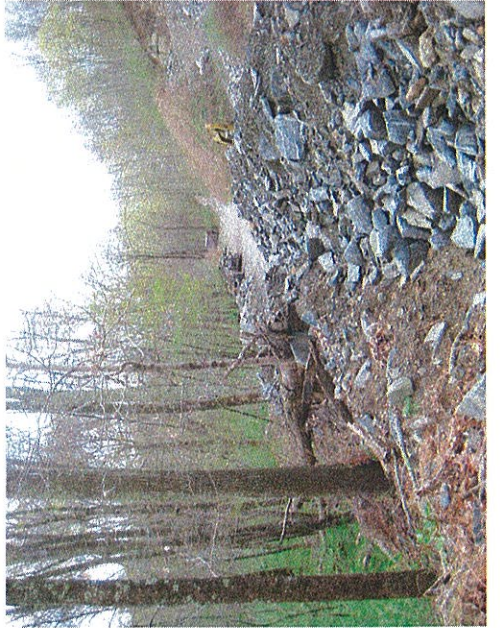
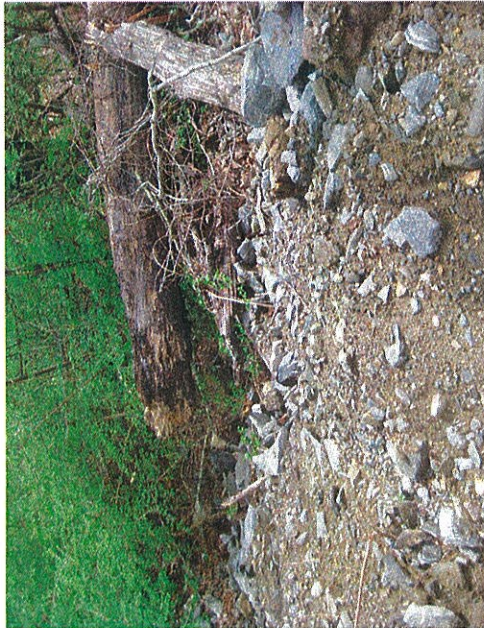
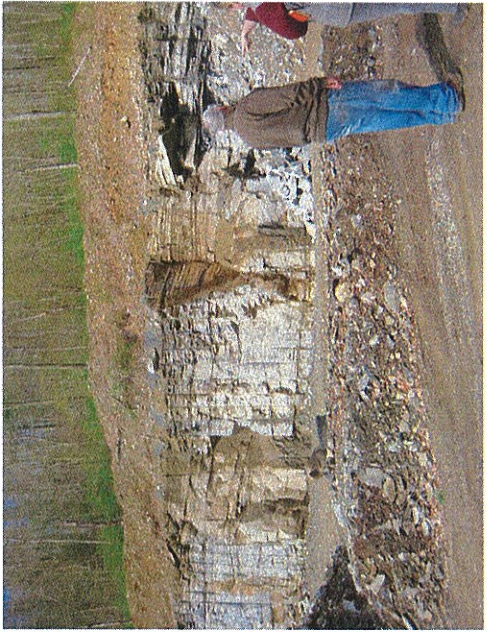
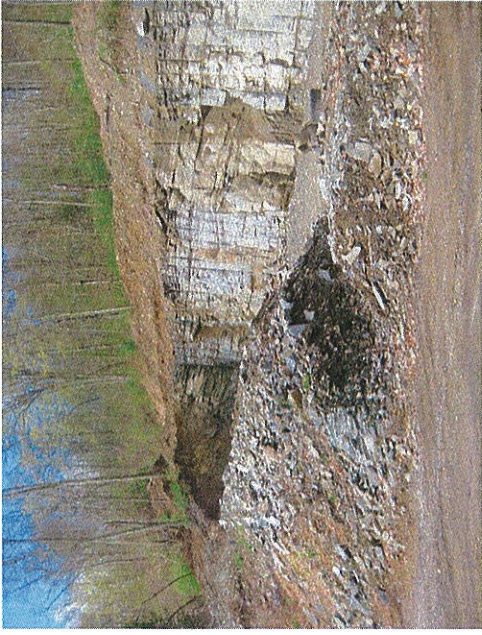
M. Washburn

Owner or Authorized Signature

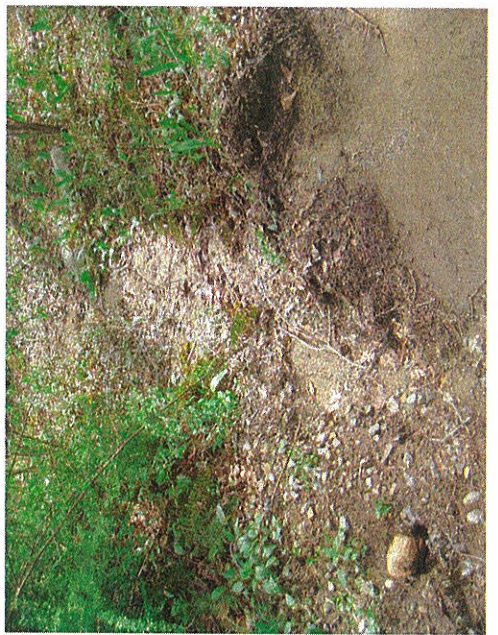
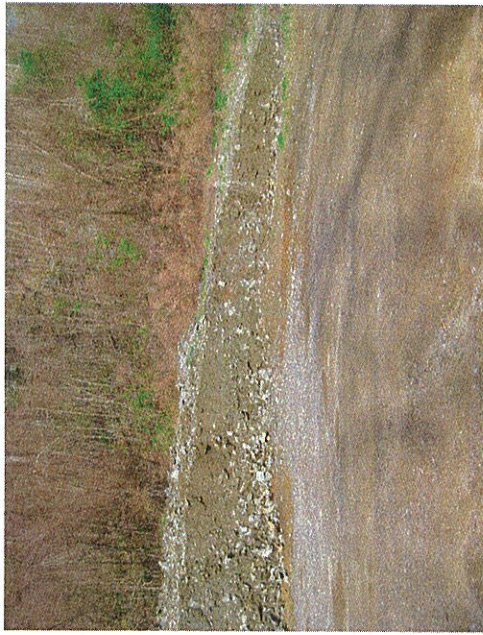
There are several blow-outs between the driveway and the wetlands that should be stabilized with rip rap.

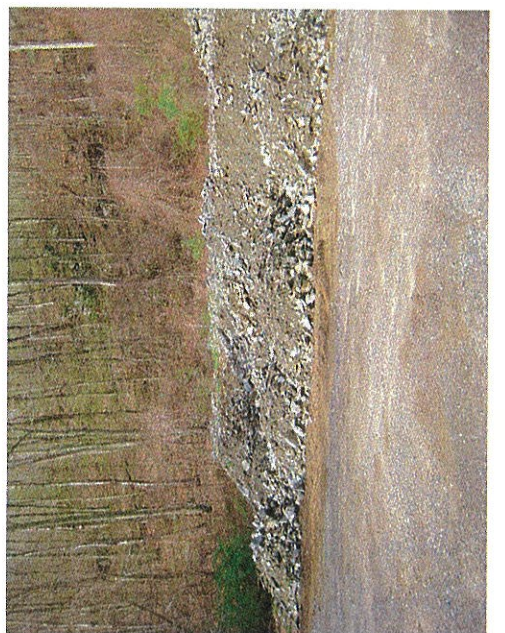


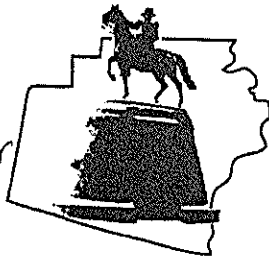












W2+W1 use 6"-10" angular stone

W3- use 3-4" angular stone

at top bottom 2-3ft. 6"-10"

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Brooklyn CT 06234
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W4 3-4" angular stone

W5 6"-10"

Inland Wetlands

Zoning Enforcement _____

Blight Enforcement _____

SITE INSPECTION NUMBER

1 2 3 4 5

W6 3-4"

Arters Quarry

Address

4/27/23

Date

Janet Booth and I met Doug Hartin and Norm Thi beault. We marked washouts on the east side of the driveway that we want to have stabilized. Doug will put crush + run on the road at the top of the washouts. I put wire stakes w/ numbered orange ribbons to mark the washouts. W1 is ^{60'} south of the stream crossing, W2 is +/- ^{75'} North of the stream crossing. W3 is 80' N. of xing +/-, W4 is 90' n. of xing W5 +/- 110' n. of xing. W6 is 120' N. of xing

We viewed & photographed a recent berm repair

On approved IWWC plan dated 3/12/19 the repaired berm is across from Phase 1C. The work area gets flooded. The workers breach the berm to alleviate flooding. Then it gets repaired.

Repaired berm ~~will~~ will be replaced with 3"-4" angular stone as per the berm detail on sheet 4: 1' high x 2 Ft wide.

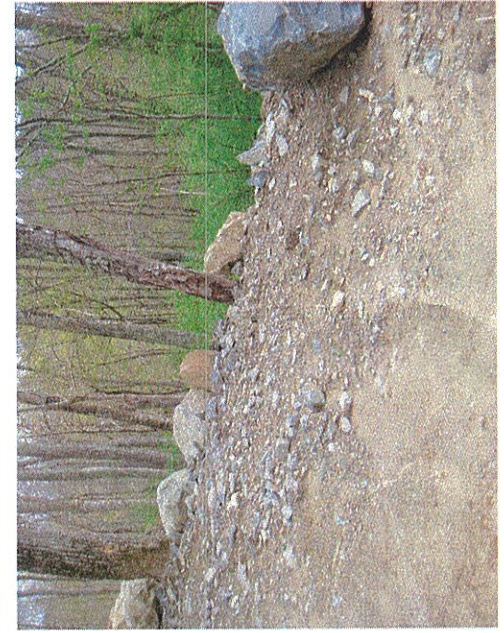
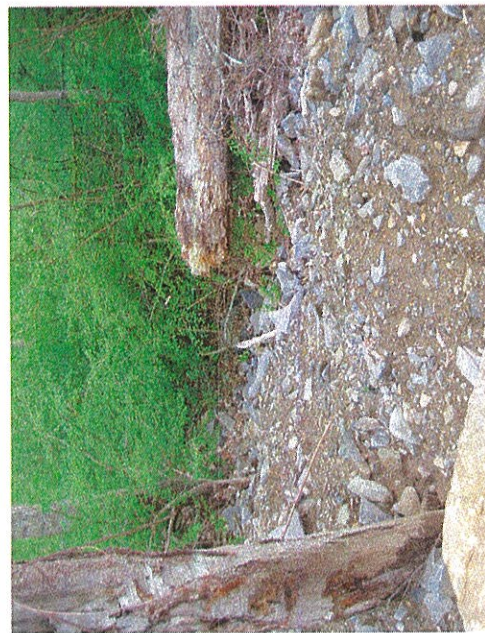
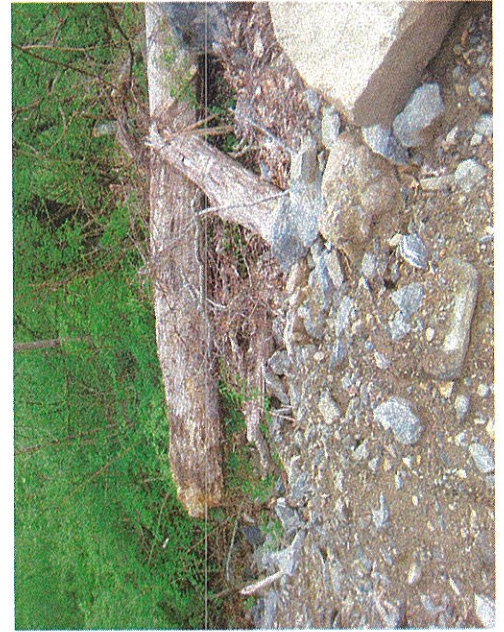
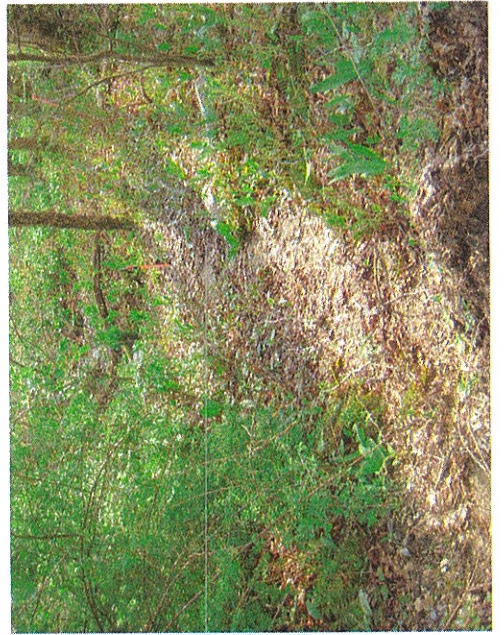
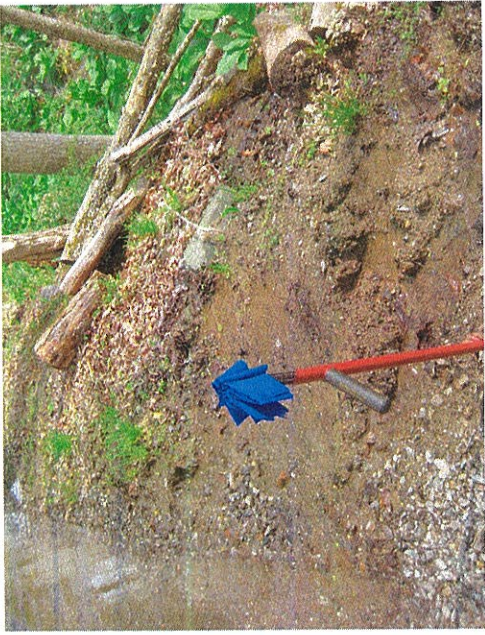
At the very top of the road the berm will be replaced with "swill" spoils.

Commission Representative

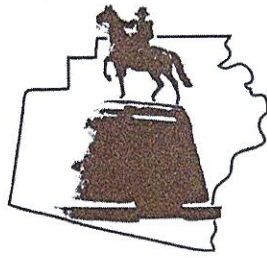
M. Washburn

Owner or Authorized Signature

J. Douglas Hartin







Brooklyn Land Use Department

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Brooklyn CT 06234
(860) 779-3411 x 31

Inland Wetlands Zoning Enforcement _____ Blight Enforcement _____

SITE INSPECTION NUMBER

1 2 3 4 5

Artero Quarry - Doug Hartin

5/1/23

Address

Date

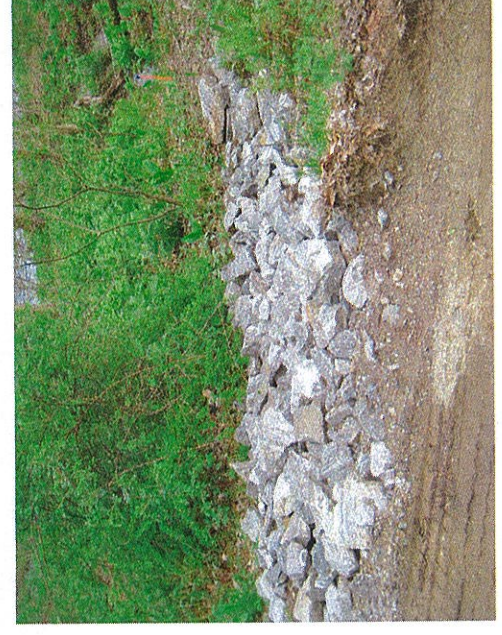
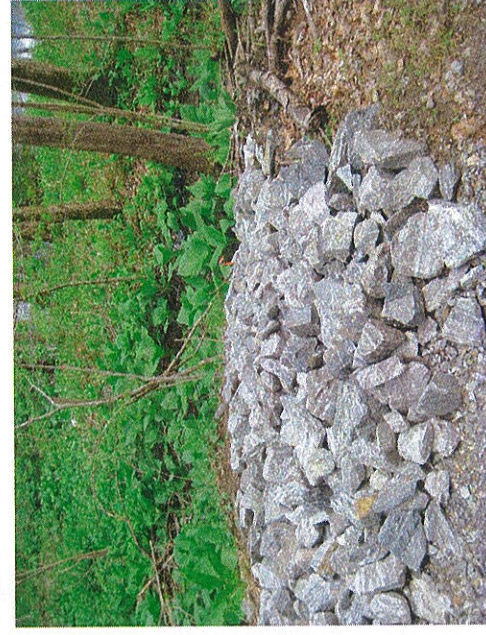
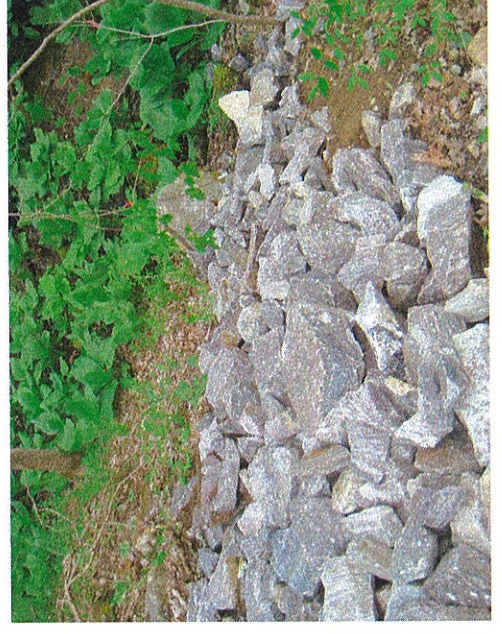
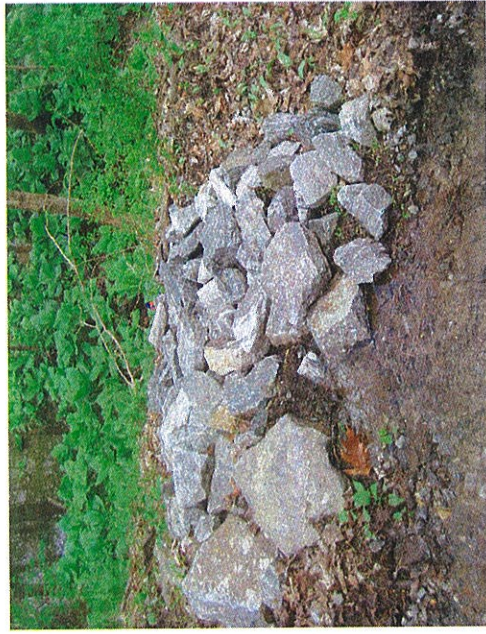
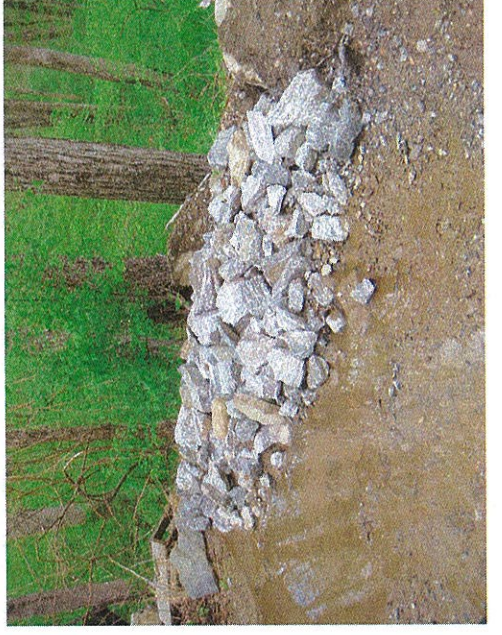
I inspected and took photos with Doug Hartin and Norm Thibeault. All the requested repairs were made to washouts and berms.

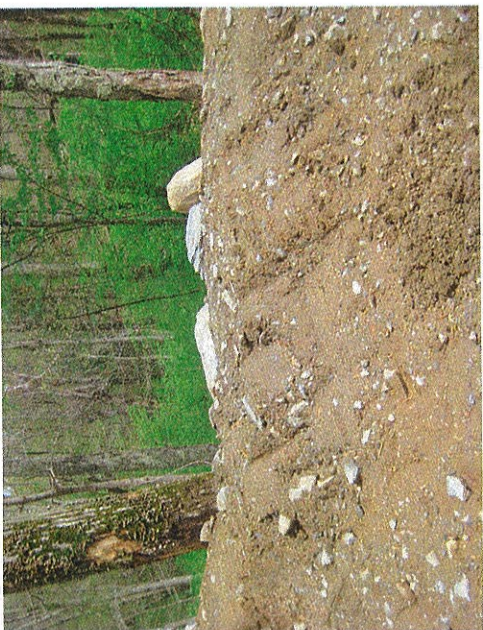
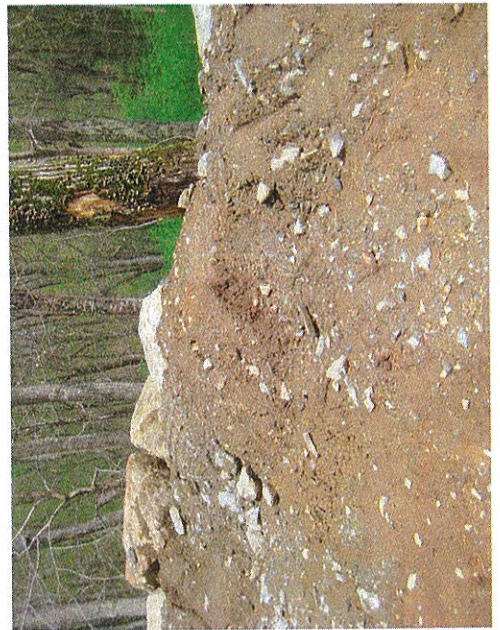
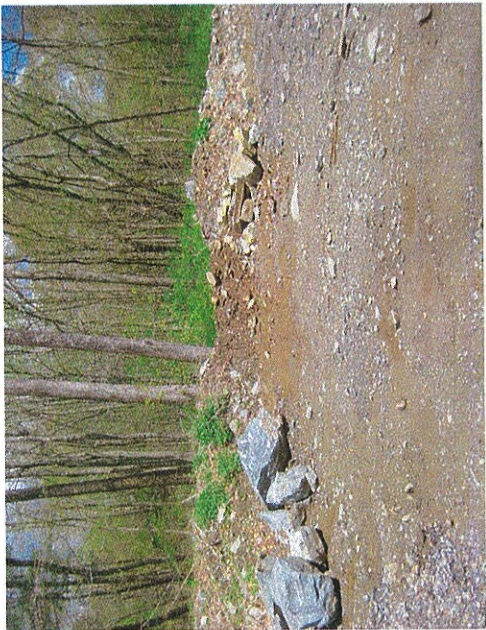
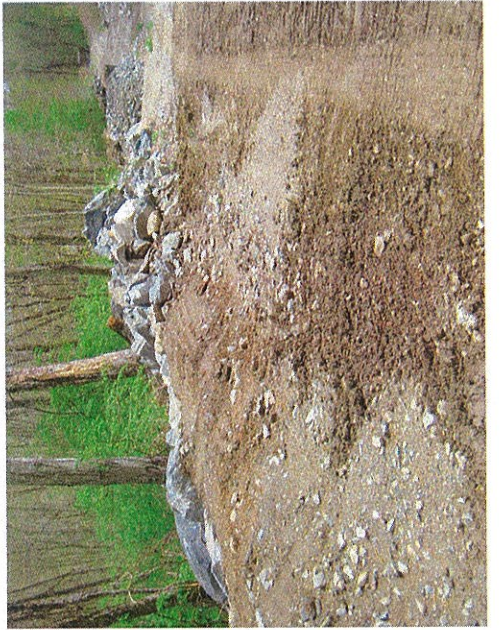
I am satisfied with the speedy resolution to the prescriptive treatments recommended on 4/27/23.

There are no wetlands issues.

Commission Representative M. Washburn

Owner or Authorized Signature D. Douglas Hartin





Section **7**

Application Requirements

- 7.1 Any person intending on undertaking any activity that may be a “regulated activity” as defined in these regulations shall apply for a permit on a prescribed form, which application shall be filed with all information as required by these regulations to be deemed a complete application. In the alternative, a person may request Action by Duly Authorized Agent that the conduct of such activity would result in no greater than a minimal impact on any wetland or watercourse and therefore, the designated wetlands agent shall be authorized to act in accordance with CGS 22a-42a.(c)(2), subject to the limitations of this regulation. The party requesting the determination shall provide adequate information to the wetlands agent to allow for a determination. **The designated agent is not authorized to act under CGS 22a-42a.(c)(2) until and unless the chairman of the wetlands agency has conducted a pre-application review to confirm that no agency review or action is required and has made a determination in writing that the agent shall be authorized to so act with respect to the specific request presented.** The agent shall not be authorized to act if there is any change to the proposal after the chairman has made a determination. In the event of any change, the matter shall be referred back to the chairman for further review and action. In the event that the Chairman is unavailable to conduct the pre-application review and determination as provided herein, the Chairman may designate another member of the agency to act in the Chairman’s place, with the same authority as provided to the Chairman.
- 7.2 If an application to the Town of Brooklyn Planning and Zoning Commission for subdivision or resubdivision of land involves land containing a wetland or watercourse, the applicant shall, in accordance with Section 8-3(g), 8-3c, or 8-26, as applicable, of the Connecticut General Statutes, submit an application for a permit to the Commission in accordance with this section, no later than the day the application is filed with such planning and zoning commission.
- 7.3 The application shall contain such information as is necessary for a fair and informed determination thereon by the Commission.
- 7.4 A prospective applicant may request the Commission to determine whether or not a proposed activity involves a significant impact activity.

- 7.5 All applications shall include the following information in writing or on maps or drawings:
- a. The applicant's name, home and business mailing addresses and telephone numbers; if the applicant is a Limited Liability Corporation or a Corporation the managing member's or responsible corporate officer's name, address, and telephone number;
 - b. The owner's name, mailing address and telephone number and written consent of the land owner if the applicant is not the owner of the land upon which the subject activity is proposed;
 - c. The applicant's interest in the land;
 - d. The geographical location of the land which is the subject of the proposed activity and a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation;
 - e. The purpose and a description of the proposed activity and proposed erosion and sedimentation controls and other management practices and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including, but not limited to, measures to (1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance and create productive wetland or watercourse resources;
 - f. Alternative which would cause less or no environmental impact to wetlands or watercourses and why the alternative as set forth in the application was chosen; all such alternatives shall be diagramed on a site plan or drawing;
 - g. A site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses;
 - h. Names and mailing addresses of adjacent land owners;
 - i. Statement by the applicant that 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;

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- j. 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;
 - k. A completed DEP reporting form; the Commission shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-39-14 of the Regulations of Connecticut State Agencies;
 - l. Any other information the Commission deems necessary to the understanding of what the applicant is proposing; and
 - m. Submission of the appropriate filing fee based on the Town of Brooklyn, Ordinance Establishing Land Use Fees and section 19 of these regulations.
- 7.6 At the discretion of the Commission or its agent, or when the proposed activity involves a significant impact, additional information, based on the nature and anticipated effects of the activity, including but not limited to the following, is required:
- a. Site plans for the proposed activity and the land which will be affected thereby which show existing and proposed conditions, wetland and watercourse boundaries, land contours, boundaries of land ownership, proposed alterations and uses of wetlands and watercourses, and other pertinent features of the land and the proposed activity, prepared by a professional engineer, land surveyor, architect or landscape architect licensed by the state, or by such other qualified person;
 - b. Engineering reports and analyses and additional drawings to fully describe the proposed activity including any filling, excavation, drainage or hydraulic modifications to watercourses and the proposed erosion and sedimentation control plan;
 - c. Mapping of soil types consistent with the categories established by the National Cooperative Soil Survey of the U.S. Natural Resources Conservation Service; the wetlands shall be delineated in the field by a soil scientist and the soil scientist's field delineation shall be depicted on the site plans;
 - d. A description of the ecological communities and functions of the wetlands or watercourses involved with the application and the effects of the proposed activity on these communities and wetland functions;

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- e. A description of how the applicant will change, diminish, or enhance the ecological communities and functions of the wetlands or watercourses involved in the application and each alternative which would cause less or no environmental impact to wetlands or watercourses, and a description of why each alternative considered was deemed neither feasible nor prudent;
- f. Analysis of chemical or physical characteristics of any fill material; and
- g. Management practices and other measures designed to mitigate the impact of the proposed activity.

7.7 The applicant shall certify whether:

- a. Any portion of the property on which the regulated activity is proposed is located within 500 feet of the boundary of an adjoining municipality;
- b. Traffic attributable to the completed project on the site will use streets within the adjoining municipality to enter or exit the site;
- c. Sewer or water drainage from the project site will flow through and impact the sewage or drainage system within the adjoining municipality; or,
- d. Water run-off from the improved site will impact streets or other municipal or private property within the adjoining municipality.

7.8 Five copies of all application materials shall be submitted to comprise a complete application unless an applicant is otherwise directed, in writing, by the Commission.

7.9 Any application to renew or amend an existing permit shall be filed with the Commission in accordance with section 8 of these regulations at least sixty-five (65) days prior to the expiration date of the permit. Any application to renew or amend such an existing permit shall contain the information required under section 7 of these regulations provided:

- a. The application may incorporate the documentation and record of the prior application;
- b. The application shall describe the extent of work completed at the time of filing and the schedule for completing the activities authorized in the permit;

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- c. The application shall state the reason why the authorized activity was not initiated or
 - d. Completed within the time specified in the permit;
 - e. The application shall describe any changes in facts or circumstances involved with or affecting wetlands or watercourses or use of the land for which the permit was issued; and
 - f. The Commission may, prior to the expiration of a permit, accept an untimely application to renew such permit if the authorized activity is ongoing and allow the continuation of work beyond the expiration date if, in its judgment, the permit is likely to be renewed and the public interest or environment will be best served by not interrupting the activity.
- 7.10 Any application to renew a permit shall be granted upon request of the permit holder unless the Commission finds that there has been a substantial change in circumstances which requires a new permit application or an enforcement action has been undertaken with regard to the regulated activity for which the permit was issued provided no permit issued shall be valid for more than ten years, and further provided that any permit issued prior to July 1, 2011 that did not expire prior to May 9, 2011 shall be valid for no more than fourteen years.
- 7.11 For any permit application involving property subject to a conservation restriction or preservation restriction, the following shall apply:
- a. For purposes of this section, "conservation restriction" means a limitation, whether or not stated in the form of a restriction, easement, covenant or condition, in any deed, will or other instrument executed by or on behalf of the owner of the land described therein, including, but not limited to, the state or any political subdivision of the state, or in any order of taking such land whose purpose is to retain land or water areas predominantly in their natural, scenic or open condition or in agricultural, farming, forest or open space use.
 - b. For purposes of this section, "preservation restriction" means a limitation, whether or not stated in the form of a restriction, easement, covenant or condition, in any deed, will or other instrument executed by or on behalf of the owner of land, including, but not limited to, the state or any political subdivision of the state, or in any order of taking of such land whose purpose is to preserve historically significant structures or sites.

Town of Brooklyn

Inland Wetlands Budget FY23

From Date: 4/1/2023

To Date: 4/30/2023

Fiscal Year: 2022-2023

Subtotal by Collapse Mask

Include pre encumbrance

Print accounts with zero balance

Filter Encumbrance Detail by Date Range

Exclude Inactive Accounts with zero balance

Account Number	Description	GL Budget	Range To Date	YTD	Balance	Encumbrance	Budget Balance	% Bud
1005.41.4163.51900	Inland Wetlands-Wages-Recordin	\$1,200.00	\$125.00	\$591.50	\$608.50	\$0.00	\$608.50	50.71%
1005.41.4163.53020	Inland Wetlands-Legal Fees	\$3,500.00	\$0.00	\$2,914.52	\$585.48	\$50.00	\$535.48	15.30%
1005.41.4163.53200	Inland Wetlands-Professional A	\$65.00	\$0.00	\$0.00	\$65.00	\$0.00	\$65.00	100.00%
1005.41.4163.53400	Inland Wetlands-Professional S	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	100.00%
1005.41.4163.55400	Inland Wetlands-Advertising &	\$500.00	\$0.00	\$0.00	\$500.00	\$0.00	\$500.00	100.00%
1005.41.4163.55500	Inland Wetlands-Printing & Pub	\$120.00	\$0.00	\$0.00	\$120.00	\$0.00	\$120.00	100.00%
1005.41.4163.56900	Inland Wetlands-Other Supplies	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
Grand Total:		\$5,885.00	\$125.00	\$3,506.02	\$2,378.98	\$50.00	\$2,328.98	39.57%

End of Report