INLAND WETLANDS AND WATERCOURSES COMMISSION

Town of Trumbull

CONNECTICUT
www.trumbull-ct.gov

TOWN HALL
Trumbull

TELEPHONE
(203) 452-5005

AGENDA
MARCH 3, 2026

TO: MEMBERS OF THE INLAND WETLANDS AND WATERCOURSES COMMISSION

RE: VIDOECONFERENCE MEETING – Tuesday, March 3, 2026

The Town of Trumbull Inland Wetlands and Watercourses Commission will hold a videoconference meeting on Tuesday, March 3, 2026 at 7:00 pm

https://us06web.zoom.us/j/84316951700?pwd=KwbTS0mAHaHgUc1SgyAvaV87bgXBqQ.1
Webinar ID: 843 1695 1700
Password: 873545
Join by telephone: (646) 931-3860 or (888) 475-4499 (Toll Free) / Webinar ID: 843 1695 1700

NEW BUSINESS

Application 26-05	Alexandria Casabianca	Permit approval for a proposed new single Family residence within a regulated area at 38 Pinewood Trail.

OLD BUSINESS

Application 26-02	Joseph Juliano	Permit approval for an inground pool within a regulated area at 17 Apple Gate Lane.
Application 25-43	Aris W. Stalis	Permit approval for restoration & reconstruction of existing residence; landscaping, replacing driveway & front walk and installation of stormwater retention system within a regulated area at 201 Old Dike Road.
Application 25-25	15 Plum Tree LLC	Permit approval to construct a 3 story apartment building & 9 attached townhouses, a retaining wall, subsurface stormwater detention system, level spreader, sidewalks and storm drainage within a regulated area at 5 & 15 Plumtree Lane.

OLD BUSINESS-CONTINUATION OF PUBLIC HEARINGS

Application 25-10	Emilia Ferri	Permit approval to legalize existing improvements for retaining wall location, topographic contour changes, proposed underground infiltration system location and new rear deck within a regulated area at 6 Sycamore Street. Modification of Application 21-07.
Application 25-11	Emilia Ferri	Permit approval to legalize proposed retaining wall location, relocate scour hole location and encroachment of limit of disturbance within a regulated area at Lot 321 Sycamore Street.

MINUTES

Approve meeting minutes – February 3, 2026

SCHEDULE FIELD INSPECTION(S)

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

SUBMITTED
Application No. 26-05
FEB 19 2026
INLAND WETLANDS COMMISSION
BY _____

APPLICATION FOR PERMIT

SECTION I

1. Location/address of property where activity is proposed: 38 Pinewood Trail.
   Parcel Size 11,895sf Zone: AA Map ID: 107 Current Use: lot
2. Applicant's Name: Alexandra Casabianca
   Applicant's Address: 38 Pinewood Trail Trumbull CT
   Telephone: 203-581-4489 Cell: ( ) Email: Danilomarini33@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): Owner
3. Name of Property Owner of Record: Alexandra Casabianca
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: 38 Pinewood Trail Trumbull CT
   Telephone: _____ Cell: 203-581-4489 Email: [redacted]
   If Applicant is the Owner, go to #5
4. The undersigned hereby authorizes _____ to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary): Proposed new single family residence on an empty lot.

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: _____ Date: 1/20/26
(If not the Owner)

Owner's Signature: _____ Date: 1/20/26

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 11,839 Zone: RA Number of Lots: 1
2. Map ID, from assessors card: 107
3. Total area existing of wetlands on property: —
4. Total area of Regulated area on property: 9838
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: 7164
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: 8589
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	10	
Shrubs:	10	
Grasses, weeds, etc:	80	
Impervious area:	0	

12. Existing watercourse data and open water characteristics: (If applicable)
    a. Size of pond(s) or lake(s): Lake Pinewood
    b. Stream characteristics: Intermittent or permanent: _____
    c. 100 year flood evaluation: _____
13. Probable effect of proposal (if any) on vegetation and wildlife: None
14. Existing or proposed source(s) of water supply for the property: water main @ road
15. Existing or proposed method of sewage disposal for the property: Sanitary sewer @ road
16. Creation of proposed water bodies (If yes, detailed information will be required) Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: Silt fence @ upland of water body
18. Proposed percent of Regulated area to be covered with impermeable surface: 35%
19. Material to be (check all that applies): deposited ☒ excavated ☐ (If yes, complete the following)
    a. Area: 8477 sf Volume: 3200 cy
    b. Physical & Chemical composition of material to be deposited: Clean common fill
    no organics or const debris

NOTES:

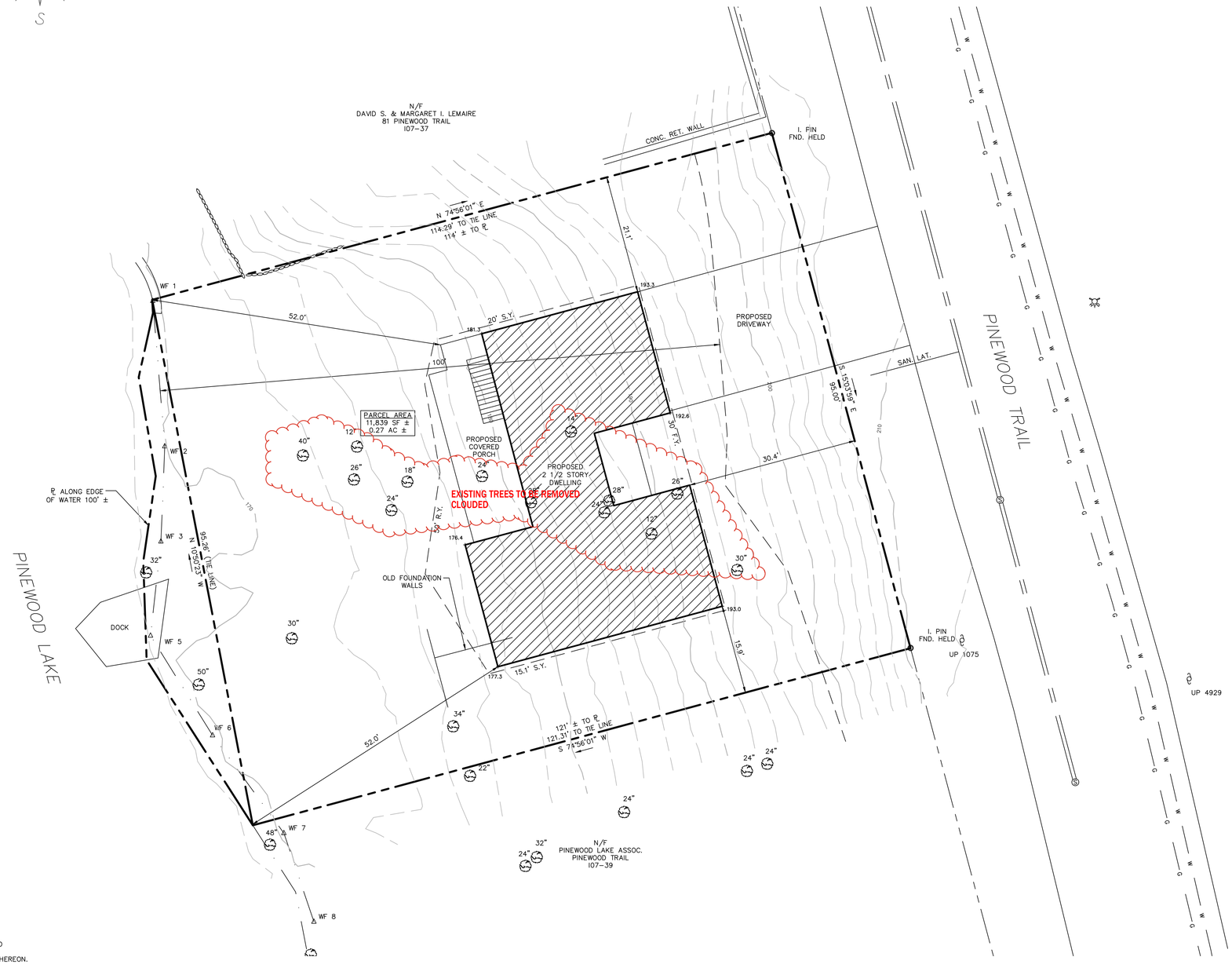
1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20–300B–1 THROUGH 20–300B–20, AS REVISED.
2. THE TYPE OF SURVEY PERFORMED IS A ZONING LOCATION SURVEY.
3. THE BOUNDARY DETERMINATION CATEGORY IS RESURVEY.
4. THIS MAP CONFORMS TO HORIZONTAL ACCURACY CLASS A–2.
5. THIS MAP CONFORMS TO VERTICAL ACCURACY CLASS V–2.
6. THIS MAP CONFORMS TO TOPOGRAPHIC ACCURACY CLASS T–2.
7. BEARINGS ON THIS MAP ARE BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM N.A.D. 1983.
8. ELEVATIONS ON THIS MAP ARE BASED ON NAVD 88 DATUM.
9. THE UNDERGROUND UTILITIES SHOWN ON THIS MAP HAVE BEEN LOCATED BOTH FROM FIELD SURVEY INFORMATION AND FROM EXISTING DRAWINGS NOTED HEREON. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES ON THIS MAP, EITHER CURRENT OR ABANDONED ALTHOUGH EVERY ATTEMPT WAS MADE TO ACCURATELY DEPICT ALL UNDERGROUND UTILITIES. THERE IS NO GUARANTEE TO THE EXACT LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS MAP.
10. THIS PARCEL IS KNOWN AS LOT 38 ON ASSESSOR'S MAP 107.
11. WETLANDS DEPICTED ON THIS PLAN WERE DELINEATED BY ALEKSANDRA MOCH PROFESSIONAL SOIL SCIENTIST JULY 2025.

MAP REFERENCES:

1. "PINEWOOD LAKE PLAN #2 SECTION #1 TRUMBULL, CONNECTICUT" SCALE: 1"=60' APR. 28, 1942 T.L.R. #242



LOCATION MAP
NTS



10 0 5 10 20
1 inch = 10 feet

TRUMBULL ZONING TABLE (R-AA DISTRICT)			
STANDARDS	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT SIZE	43,560 SF	11,839 SF ±	11,839 SF ±
MIN. FRONTAGE	150'	95'	95'
MIN. FLOOR AREA (SF):			
2 STORY	1000 / 800	–	1,694 SF
SETBACKS:			
FRONT YARD	50'	–	30.4'*
SIDE YARD	20'	–	15.9'*
REAR YARD	50'	–	52.0' ±
MAX. BLDG. HEIGHT	40'	–	31' ±
MAX. FLOOR AREA	.29 PRIN. BLDG.	–	.290

* VARIANCE DATED 11/6/25 FOR 30' FRONT SETBACK AND 15.1 SIDE SETBACK
** AVERAGE EXISTING GRADE 185.7

LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINE
- 500 EXISTING CONTOUR
- WETLAND LINE
- 100' WETLAND REGULATED AREA
- HYDRANT
- W W EXISTING WATER MAIN
- EXISTING STONE WALL
- EXISTING SANITARY SEWER MAIN
- G G EXISTING GAS LINE
- S SANITARY SEWER MANHOLE
- UTILITY POLE
- IRON PIN
- △ WF # WETLAND FLAG
- EXISTING TREE

ZONING LOCATION SURVEY
PROPOSED HOUSE
PREPARED FOR
ALEXANDRA CASABIANCA
LOT 38 PINEWOOD TRAIL
TRUMBULL, CONNECTICUT

COPYRIGHT © 2025

SCALE: 1" = 10' SEPTEMBER 16, 2025
REVISED: DECEMBER 15, 2025 – NEW HOUSE FOOTPRINT
DECEMBER 22, 2025 – PER CLIENT COMMENTS
FEBRUARY 17, 2026 – ADD TREES
PROJ. NO.: 1141

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

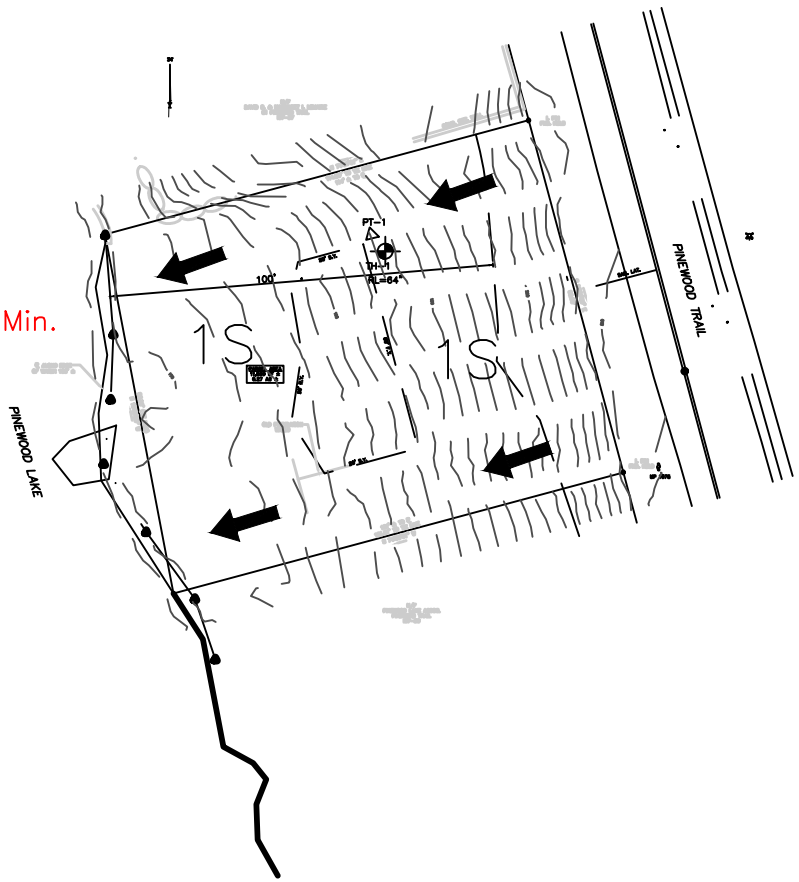
THIS MAP IS NOT VALID UNLESS IT BEARS THE LIVE SIGNATURE AND SEAL OF THE UNDERSIGNED LAND SURVEYOR.

DANIEL C. LAFERRIERE
LICENSED LAND SURVEYOR, REG# 70492

RECD
2.19.2026
APP 26-05

ALL SEASONS Land Surveying
LAND SURVEYING - LAND PLANNING
44 Fair Street
Wallingford, CT 06492
1 John Street
Millerton, NY 12546
Phone: (860) 274-5053
dan@allseasonslandsurveying.com
allseasonslandsurveying.com

Tc = 3.7 Min.



= RUNOFF ROUTE

REVD 2.19.2026

APP 26-05

ALEXANDRA CASABIANCA

LOT 38 PINEWOOD TRAIL TRUMBULL, CONNECTICUT

2-5-26 date

EXISTING BASIN

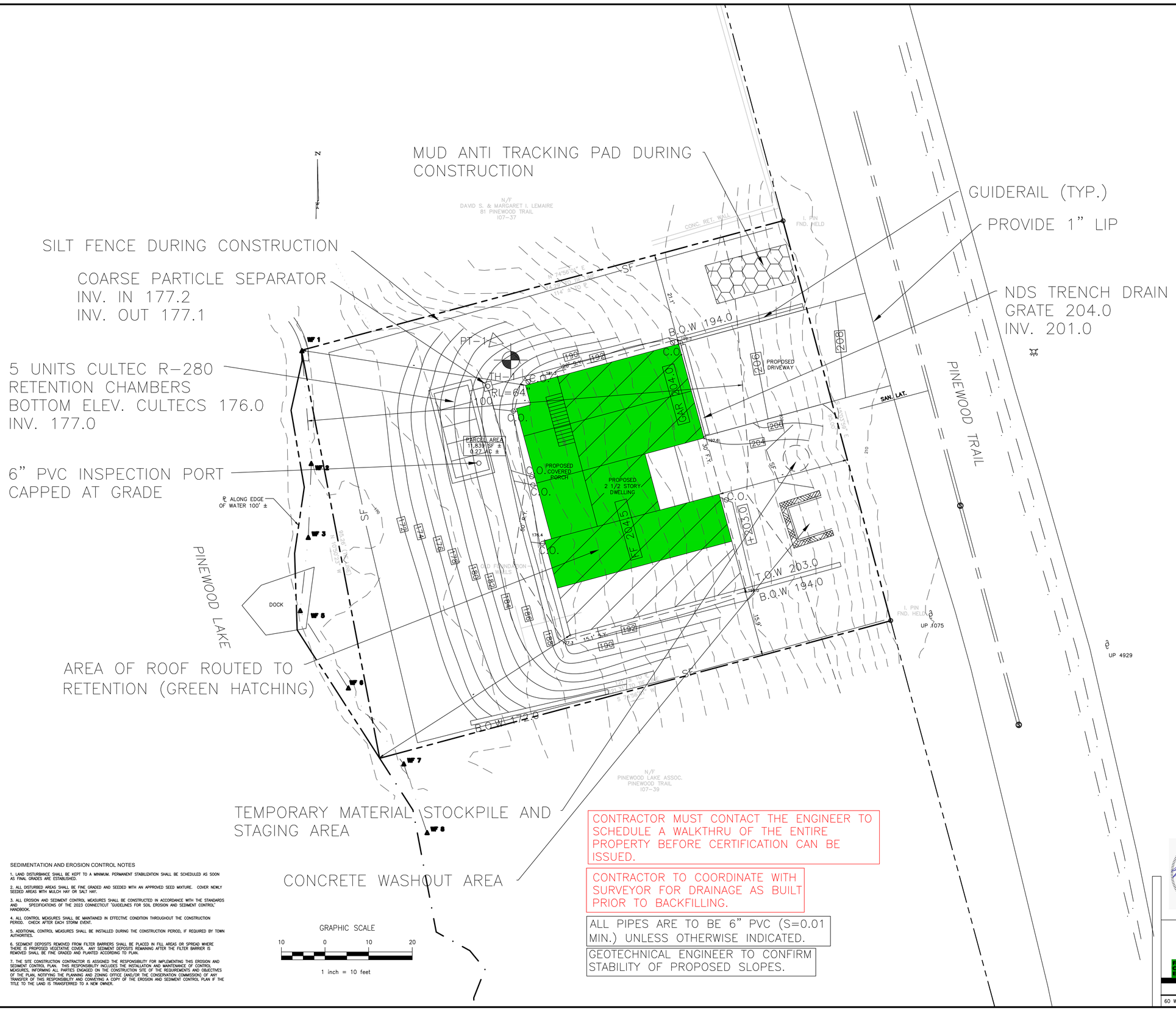
CIVIL ENGINEERS

2758 project

1 OF 1 sheet

FAIRFIELD COUNTY ENGINEERING L.L.C.

80 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH. (203) 831-8025 FAX. (203) 831-8026



GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION AND STRUCTURES SHALL COMPLY WITH ALL MUNICIPAL OR STATE REQUIREMENTS. ALL WORK SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE SATISFACTION OF THE ENGINEERING BUREAU, THAT CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS.
2. THE ENGINEERING BUREAU OF THE DEPARTMENT OF PUBLIC WORKS AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
3. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES. THE CONTRACTOR MUST CONTACT THE ENGINEER TO SCHEDULE A WALKTHRU OF THE ENTIRE PROPERTY BEFORE CERTIFICATION CAN BE ISSUED. A DETAILED AS BUILT FROM A LICENSED SURVEYOR OF ALL DRAINAGE ITEMS' LOCATION AND ELEVATIONS WILL BE REQUIRED BEFORE CERTIFICATION.
4. SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. IN ORDER TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. IF THE CONTRACTOR DETERMINES THAT A CONFLICT EXISTS, HE SHALL IMMEDIATLEY NOTIFY THE ENGINEER, WHO WILL MAKE THE NECESSARY ADJUSTMENTS.
5. EXISTING PROPERTY AND UTILITY INFORMATION WAS TAKEN FROM A SURVEY BY ALL SEASONS LAND SURVEYING TITLED "ZONING LOCATION SURVEY PREPARED FOR ALEXANDRA CASABIANCA", DATED DECEMBER 22, 2025.
6. ALL SANITARY SEWER PIPE SHALL BE EITHER SDR-35 P.V.C. (ASTM D-3034) OR CLASS 52 DUCTILE IRON (ANSI A 21-51), AS INDICATED ON THE PLANS, UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL HAVE RUBBER GASKET SLIP-TYPE JOINTS. INFILTRATION INTO SANITARY SEWERS SHALL NOT EXCEED 150 GALLONS PER INCH OF PIPE DIAMETER PER MILE OF PIPE IN 24 HOURS.
7. THESE PLANS ARE FOR MUNICIPAL OR STATE AGENCY APPROVAL ONLY. NOT FOR CONSTRUCTION.
8. NO PIPE SHALL HAVE A BEND OF GREATER THAN 45 DEGREES.
9. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455, OR OTHER APPROPRIATE CONTACT POINT PRIOR TO START OF CONSTRUCTION.
10. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
11. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
12. TOTAL SITE AREA = 0.27 ACRES

SEDIMENTATION AND EROSION CONTROL NOTES

1. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. PERMANENT STABILIZATION SHALL BE SCHEDULED AS SOON AS FINAL GRADES ARE ESTABLISHED.
2. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH AN APPROVED SEED MIXTURE. COVER NEWLY SEEDED AREAS WITH MULCH HAY OR SALT HAY.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2023 CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" HANDBOOK.
4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. CHECK AFTER EACH STORM EVENT.
5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF REQUIRED BY TOWN AUTHORITIES.
6. SEDIMENT DEPOSITS REMOVED FROM FILTER BARRIERS SHALL BE PLACED IN FILL AREAS OR SPREAD WHERE THERE IS PROPOSED VEGETATIVE COVER. ANY SEDIMENT DEPOSITS REMAINING AFTER THE FILTER BARRIER IS REMOVED SHALL BE FINE GRADED AND PLANTED ACCORDING TO PLAN.
7. THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.

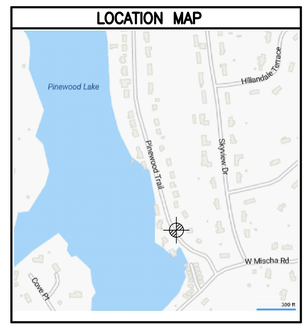
CONTRACTOR MUST CONTACT THE ENGINEER TO SCHEDULE A WALKTHRU OF THE ENTIRE PROPERTY BEFORE CERTIFICATION CAN BE ISSUED.

CONTRACTOR TO COORDINATE WITH SURVEYOR FOR DRAINAGE AS BUILT PRIOR TO BACKFILLING.

ALL PIPES ARE TO BE 6" PVC (S=0.01 MIN.) UNLESS OTHERWISE INDICATED.

GEOTECHNICAL ENGINEER TO CONFIRM STABILITY OF PROPOSED SLOPES.

LOCATION MAP



RECD 2.19.2026
APP 26-05

STATE OF CONNECTICUT
WAYNE T. D'AVANZO
No. 24877
LICENSED PROFESSIONAL ENGINEER

2-4-26
date

Fairfield County Engineering LLC

ALEXANDRA CASABIANCA
LOT 38 PINEWOOD TRAIL TRUMBULL, CONNECTICUT

DRAINAGE PLAN

CIVIL ENGINEERS

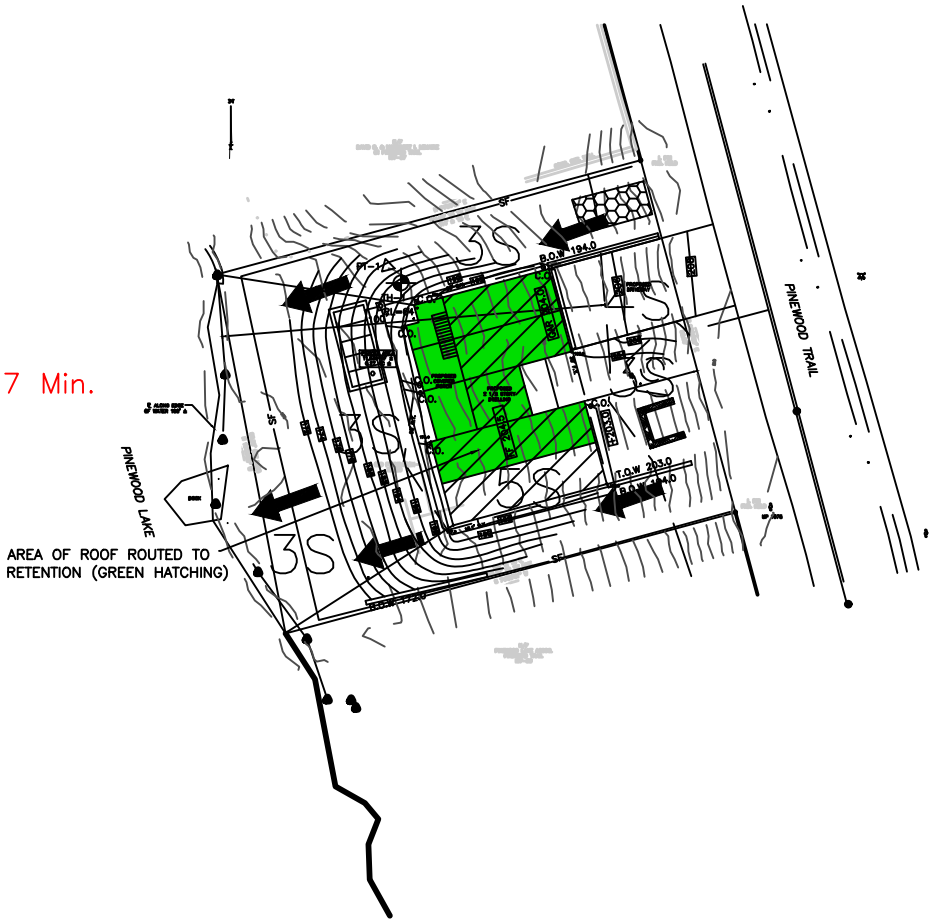
2758
project

1 OF 2
sheet

FAIRFIELD COUNTY ENGINEERING L.L.C.
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 wayne@fairfieldce.com

2758_260204Drainage

Tc = 3.7 Min.



= RUNOFF ROUTE

RECD 2.19.26

APP 26-05

ALEXANDRA CASABIANCA

LOT 38 PINEWOOD TRAIL TRUMBULL, CONNECTICUT

2-5-26 date

PROPOSED BASIN

CIVIL ENGINEERS

2758 project

1 OF 1 sheet

FAIRFIELD COUNTY ENGINEERING L.L.C.

80 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006

FCE Project #	2718	**Date Performed:**	10/20/25
Client:	Peter Boyne		
Location:	38 Pinewood Trail, Trumbull		
Observed by:	Wayne D'Avanzo		

Test Hole 1:

0-12"	Topsoil
12- 64"	Light Brown Gravel with Silt
64-70"	Grey Sand
No Ground Water	
Mottling @ 64"	
No Ledge	
Roots to 64"	

Conducted by:	Wayne D'Avanzo	Project:	2718
Location:	38 Pinewood Trail	Town:	Trumbull
Client :		Date:	10/20/2025

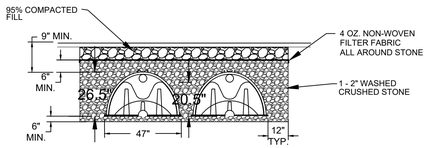
Weather conditions prior to and during tests:
Clear

Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	21"

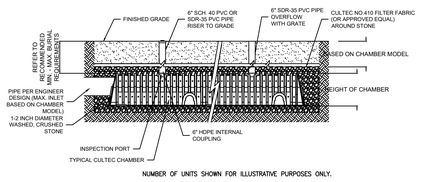
PT-1 **Design**

Pre-soak @ 8:55 AM **2.25"/Hr. (2.0 F.S.)**

Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
10:55 AM	----	3"	----	----
11:05 AM	10 Min.	6 1/2"	3 1/2"	2.9 Min.
11:15 AM	10 Min.	8 1/2"	2"	5.0 Min.
11:25 AM	10 Min.	9 3/4"	1 1/4"	8.0 Min.
11:35 AM	10 Min.	10 3/4"	1"	10.0 Min.
11:45 AM	10 Min.	11 5/8"	7/8"	11.4 Min.
11:55 AM	10 Min.	12 3/8"	3/4"	13.3 Min.

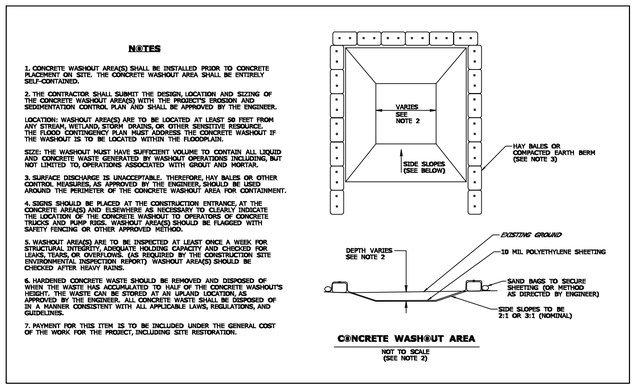


CULTEC RECHARGER 280HD
TYPICAL CROSS SECTION

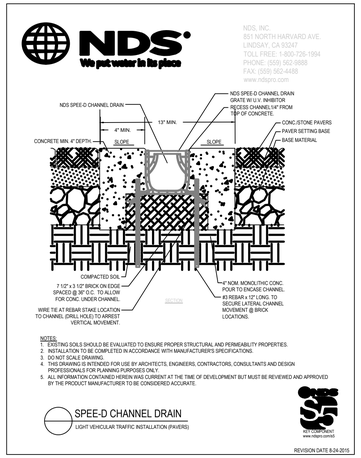


NUMBER OF UNITS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

CULTEC INSPECTION PORT AND OVERFLOW
(AS APPLICABLE)

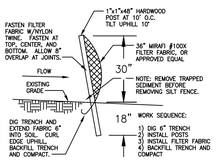


CONCRETE WASHOUT AREA
NOT TO SCALE
(SEE NOTE 2)

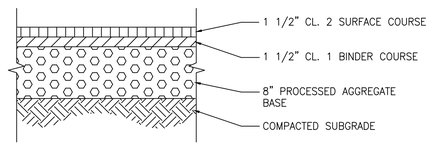


MUD-TRACKING BED
NOT TO SCALE

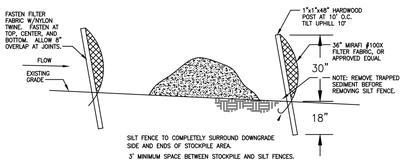
TYPICAL CLEANOUT
NOT TO SCALE



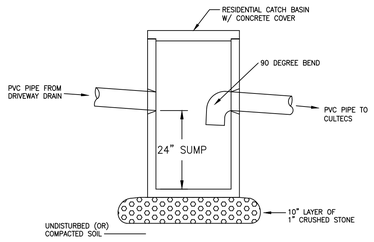
SILT FENCE
NOT TO SCALE



DRIVEWAY PAVEMENT
NOT TO SCALE



STOCKPILE PROTECTION
NOT TO SCALE



COARSE PARTICLE SEPARATOR
NOT TO SCALE

Stormwater Facilities Maintenance Plan

Alexandra Casabianca

Lot 38 Pinewood Trail, Trumbull, CT

Scope:

The purpose of the Stormwater Facility Maintenance Plan is to ensure that the proposed stormwater components to be installed at Lot 38 Pinewood Trail are maintained by the property owner in operational condition throughout the life of the project.

Recommended Frequency of Service:

All of the stormwater components installed for this property shall be checked periodically by the Owner and kept in full working order. Ultimately, the frequency of inspection and service cleaning depends on the amount of runoff, pollutant loading and interference from debris (leaves, vegetation, trash, etc.); however it is recommended that the facility be inspected and cleaned a minimum of four times a year. The guidelines for the timing of service include early spring, after the last snowfall, and late fall after the leaves have fallen from the trees.

Service Procedures:

1. Cultec retention chambers: The maintenance of the Cultec chambers shall be in accordance with the aforementioned schedule. The units shall be inspected via the inspection port and removed of sediment and debris as needed. The overflow grate shall be cleared of any accumulated debris.
2. Roof gutters: The roof gutters of the house shall be inspected and cleared of any leaves, twigs, debris, etc. This shall be done at in the early spring, and late fall after all of the leaves have fallen from trees.
3. Roof Leader: The maintenance of the roof leaders shall be in accordance with the aforementioned schedule and shall include the inspection of the leaders via the cleanouts and removal of any debris, obstruction and sediment.
4. Driveway Drain: The maintenance of the driveway drains shall be in accordance with the aforementioned schedule and shall include the inspection of the structure's integrity. Debris shall be removed from the grate and inlet and outlet pipes. The sump shall be cleaned of any silt or other debris or sediment.
5. Coarse Particle Separator: The maintenance of the Coarse particle separators shall be in accordance with the aforementioned schedule and shall include the inspection of the structure's integrity. Debris shall be removed from the inlet and outlet pipes. The sump shall be cleaned of any silt or other debris or sediment.

Reporting:

A maintenance log shall be kept by the Owner of each inspection outlining the items inspected and the maintenance performed. These logs shall be kept on file by the Owner, and must be shared with the Town upon request.

RECD 2.19.2026
APP 26-05



ALEXANDRA CASABIANCA

LOT 38 PINEWOOD TRAIL TRUMBULL, CONNECTICUT

2-4-26
date

DETAIL SHEET

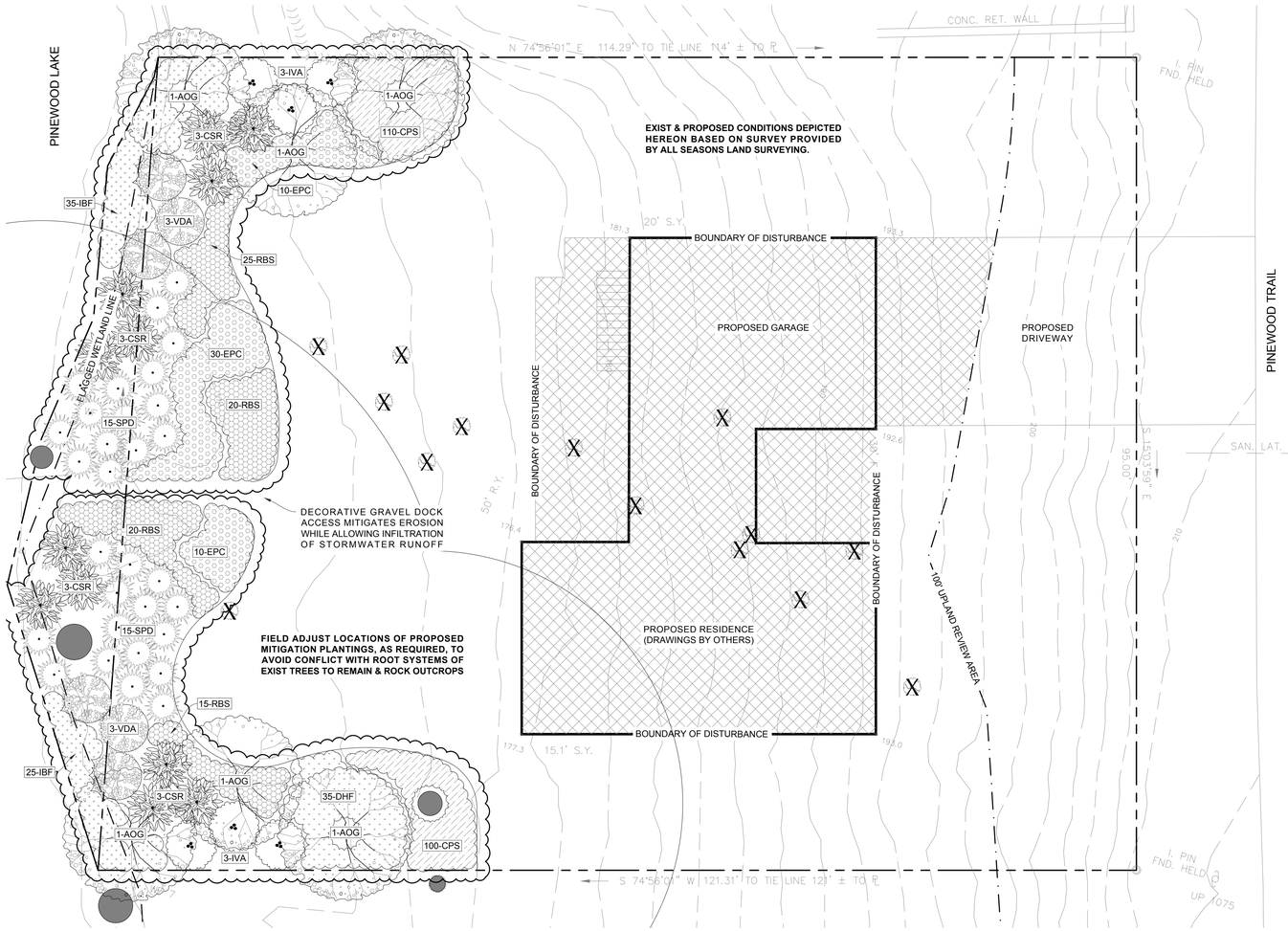
Fairfield County Engineering LLC

CIVIL ENGINEERS

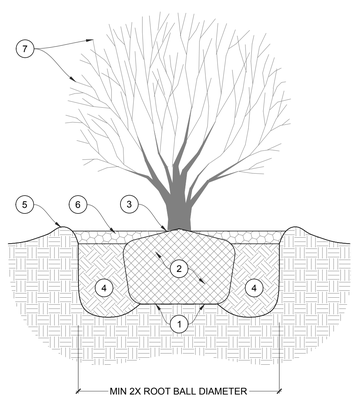
2758
project

2 OF 2
sheet

FAIRFIELD COUNTY ENGINEERING L.L.C.
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006



1 MITIGATION PLANTING PLAN
SCALE: 1/8" = 1'



2 TREE & SHRUB PLANTING DETAIL
SCALE: NTS

1. ROOT BALL TO REST ON UNDISTURBED OR COMPACTED SOIL TO PREVENT SETTLING.
2. REMOVE ROPE, TWINE, EXCESS SOIL, & BURLAP FROM TOP 1/3 OF ROOT BALL. REMOVE ALL NON- BIODEGRADABLE MATERIAL COMPLETELY FROM ROOT BALL.
3. TOP OF ROOT BALL SHALL BE SET FLUSH WITH ADJACENT GRADE OR SLIGHTLY HIGHER IN POORER SOILS. ROOT FLARE SHALL BE VISIBLE.
4. ENSURE ADEQUATE PERCOLATION / DRAINAGE PRIOR TO INSTALLATION. SCARIFY PIT WALLS & BACKFILL WITH AMENDED SOILS, AS REQUIRED, TAMPING WITH FOOT AND WATER IN 6" LIFTS.
5. 4" HIGH X MIN. DRIPLINE DIAMETER COMPACTED SOIL SAUCER BEYOND EDGE OF ROOT BALL.
6. MULCH WITH SHREDDED BROWN NATURAL BARK MULCH, MIN 2" - 3" DEPTH, WHILE ENSURING ROOT FLARE REMAINS EXPOSED.
7. PRUNING ONLY TO REMOVE DEAD OR DAMAGED LIMBS, CO-DOMINANT LEADER, OR CROSSING & BRANCHES NOT CONFORMING TO HABIT.

STAKING, GUYING AND WRAPPING TREES ONLY UPON APPROVAL FROM THE LANDSCAPE ARCHITECT. DETAILS PROVIDED AS REQUIRED.

DRAWING KEY

PROPOSED DISTURBANCE WITHIN UPLAND REVIEW AREA = ± 2,592 SF

PROPOSED MITIGATION PLANTING WETLAND BUFFER = ± 2,592 SF

X EXIST TREE TO BE REMOVED

PLANTING NOTES

01. SITE PREPARATION: DE COMPACT ALL AREAS AFFECTED BY CONSTRUCTION PRIOR TO PLANTING & SEEDING OPERATIONS. PROVIDE & INSTALL: 4"-6" OF TOPSOIL FOR LAWN AREAS; 6"-12" OF TOPSOIL FOR PERENNIAL BEDS; LOAM OR AMENDED SOILS, AS REQUIRED, FOR TREE & SHRUB PITS; STARTER FERTILIZER IN RECOMMENDED AMOUNTS; 2"-3" OF SWEET PEAT OR NON-DYED SHREDDED BROWN BARK MULCH IN UNIFORM LAYERS ACROSS BEDS & AROUND ALL TREES.

02. SUBSURFACE DRAINAGE & SOIL CONDITIONS: IT IS THE LANDSCAPE CONTRACTOR'S (LC) RESPONSIBILITY TO ASSESS THE SUITABILITY OF EXISTING DRAINAGE & SOIL CONDITIONS PRIOR TO THE INSTALLATION OF SEED, SOD, & PLANTINGS. CONDITIONS DETRIMENTAL TO THE HEALTH & SUCCESS OF PROPOSED PLANTINGS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT (LA) & AMENDED, AS REQUIRED, BY THE LANDSCAPE CONTRACTOR (LC).

03. IRRIGATION: DRIP IRRIGATION SHALL BE PROVIDED FOR ALL TREES & SHRUBS; DRIP IRRIGATION SHALL BE PROVIDED FOR PERENNIAL BEDS, WHEREVER PRACTICAL, WITH SPRAY IRRIGATION AS AN OPTION FOR LARGER AREAS; ROTARY IRRIGATION SHALL BE INSTALLED SOLELY FOR LAWN AREAS. NO ROTARY OR SPRAY IRRIGATION SHALL BE DIRECTED TOWARDS, OR COME INTO CONTACT WITH, ANY TREES & SHRUBS.

04. LC TO COORDINATE DIRECTLY WITH OWNER'S IRRIGATION CONTRACTOR TO ENSURE VALVES, ZONES, & FIXTURES ARE DESIGNED TO PROVIDE ADEQUATE COVERAGE TO FACILITATE HEALTHY GROWTH & PLANT WARRANTIES.

VOLCANO MULCHING PROMOTES ROT, DISEASE, PEST DAMAGE, ROOT GIRDLING, & SHALLOW ROOT GROWTH RESULTING IN WEAK & UNHEALTHY PLANTS. MOREOVER, MULCHCANOS IMPEDE OXYGEN & WATER ABSORPTION TO ROOTS, THEREBY CAUSING STRESS & SUFFOCATION. VOLCANO MULCHING IS UNACCEPTABLE & STRICTLY PROHIBITED FOR THIS PROJECT.

MITIGATION PLANTING SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
DECIDUOUS TREES					
AOG	6	*Acer rubrum 'October Glory'*	October Glory Red Maple	2.5"-3" cal, b&b	full specimen
DECIDUOUS SHRUBS					
CSR	12	*Cornus sericea 'Baileyi'*	Redtwig Dogwood	6 gal cont.	6' OC
IVA	6	*Ilex verticillata 'Afterglow'*	Afterglow Winterberry	4'-5' ht, b&b	6' OC, heavy
VDA	6	*Viburnum dentatum*	Arrowwood Viburnum	3'-4' ht, b&b	6' OC
FERNS					
DHF	35	*Dennstaedtia punctilobula*	Eastern Hayscented Fern	2 gal cont.	24" OC
GRASSES & SEDGES					
CPS	210	*Carex Pennsylvanica*	Pennsylvania Sedge	1 gal cont.	12" OC may sub. plugs
SPD	30	*Sporobolus Heterolepsis*	Prairie Dropseed	1 gal cont.	3' OC
GROUNDCOVERS & PERENNIALS					
EPC	50	*Echinacea purpurea*	Purple Coneflower	1 gal cont.	2' OC
IBF	60	*Iris versicolor*	Blue Flag Iris	1 gal cont.	2' OC
RBS	80	*Rudbeckia fulgida*	Black-Eyed Susan	2 gal cont.	2' OC


ACER RUBRUM 'OCTOBER GLORY' (FALL)


CAREX PENNSYLVANICA


CORNUS SERICEA (REDTWIG, SPRING)


SPOROBOLUS HETEROLEPSIS (DROPSEED)

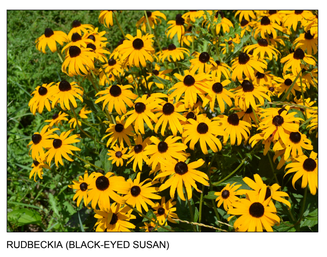

ILEX VERTICILLATA 'AFTERGLOW' (WINTER)


ECHINACEA PURPUREA (CONEFLOWER)


VIBURNUM DENTATUM (ARROWWOOD VIB.)


IRIS VERSICOLOR (BLUE FLAG IRIS)


DENNSTAEDTIA PUNCTILOBULA (HAY SCENT)


RUDBECKIA (BLACK-EYED SUSAN)

LANDSCAPE DESIGN CONSULTING PC
P.O. BOX 145 WASHINGTON DT, CT
SW@LDC-PC.COM • 914-639-1710

Seal:



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Consultants:

Survey: All Seasons Land Surveying | 44 Fair St. Wallingford, CT 06462 | (860) 274-5053

Project Manager: Lions Creek Outdoors | 470 James St New Haven, CT 06513 | (203) 824-7564

Project:

38 PINEWOOD TRAIL
TRUMBULL, CT

RECD2.19.2026
APP 26-05

Title:

MITIGATION PLANTING PLAN

No.	Date	Description
01.	02-18-2026	Prepared for IWWA Review
02.	00-00-0000	Item Pending
03.	00-00-0000	Item Pending
04.	00-00-0000	Item Pending
05.	00-00-0000	Item Pending
06.	00-00-0000	Item Pending
07.	00-00-0000	Item Pending
08.	00-00-0000	Item Pending
09.	00-00-0000	Item Pending
10.	00-00-0000	Item Pending

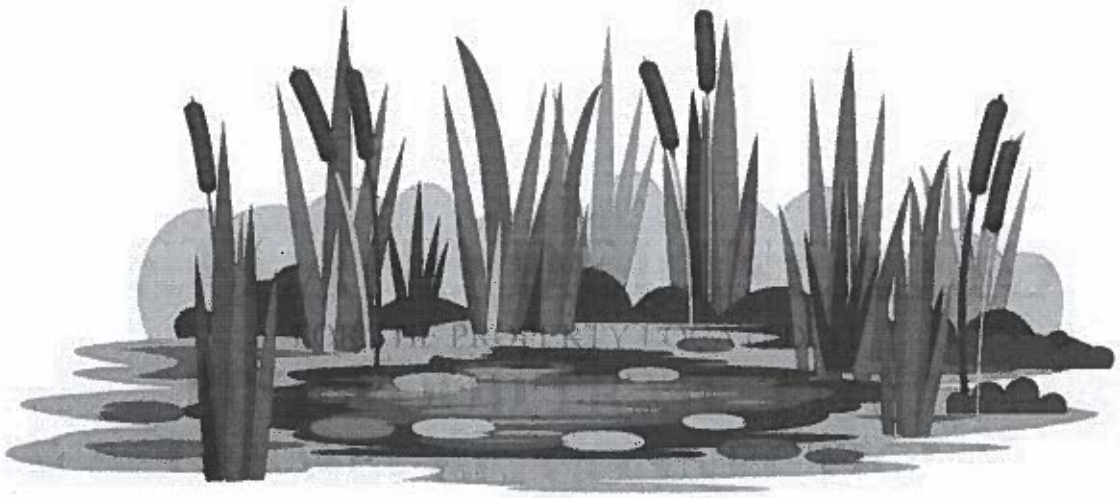
Date:	February 18, 2026
Drawn By:	SW
Scale:	1/8" = 1'

L - 100

WETLAND DELINEATION

FOR THE PROPERTY LOCATED AT

PINEWOOD TRAIL, LOT 70
TRUMBULL, CONNECTICUT



REPORT PREPARED BY

ALEKSANDRA MOCH

SOIL & WETLAND SCIENTIST

LANDSCAPE DESIGNER, CPESC

GEOLOGIST/HYDROGEOLOGIST

July 2, 2025

SUBMITTED
26-05
FEB 19 2026
INLAND WETLANDS COMMISSION
BY _____

SITE DESCRIPTION

The vacant lot is located on the western side of Pinewood Trail, approximately 900feet north of West Mischa Road in Trumbull, CT. The area stretches between the road and the man-made lake, established within the old section of the Booth Hill Brook channel. The area is wooded and slopes steeply towards the lake.

METHODS

Wetland identification was performed on June 2, 2025, based on the presence of poorly drained, very poorly drained, alluvial, and/or floodplain soils and submerged land. The soil types were identified through observation of soil morphology, including texture, structure, and color. Numerous soil samples were taken using an auger. Sampling began within the typical wetland area and continued toward the upland. Soil morphology was observed at soil sampling points along the transect lines perpendicular to the wetland boundary. At each transect, the boundary between the upland and wetlands was marked with pink surveyor's tape labeled "*WET.*" Each flag was numbered sequentially from #1 to #9 along the edge of the lake located off-site to the west.

WETLANDS/WATERCOURSES REGULATORY DEFINITION

The Inland Wetlands and Watercourses Act (Connecticut General Statues section 22a-38) defines inland wetlands as *land, including submerged land... which consists of any soil types designated as poorly drained, very poorly drained, alluvial, and floodplain.*

Watercourses are defined in the statues as *rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof.*

Intermittent watercourse: is determined by a defined permanent channel and bank and the occurrence of two or more of the following characteristics:

- Evidence of scour or deposits of recent alluvium or detritus,
- Presence of standing or flowing water for a duration longer than a particular storm incident, and
- Presence of hydrophytic vegetation.

WETLAND/WATERCOURSE DESCRIPTION

The area flagged in the field follows the edge of the lake with some fragments of the wetland fringe. The area is wooded and supported with wooded buffer.

Aleksandra Moch, 44 Lewelyn Road Stamford, CT 06902
cell: (203) 550 9373, aleksandra_moch@yahoo.com

WETLAND SOILS

The soils were classified using soil criteria and maps developed by the USDA Natural Resources Conservation Service.

308w – Aquents

This soil unit includes poorly drained and very poorly drained disturbed land areas. These soils are most commonly found in areas that have been filled and/or excavated. They support two or more feet of fill placed over or mixed into the original soil. Aquents are characterized by a seasonal to prolonged high groundwater table and can support or already support wetland vegetation. Aquents are young soils with an aquic moisture regime. The key indicator is the presence of a groundwater table at or near the soil surface for fourteen days or longer during the growing season.

UPLAND SOILS

60D—Canton and Charlton fine sandy loams, 15 to 45 percent slopes

Canton is a well-drained soil found on ridges, moraines, and hills. The parent material is a coarse-loamy over sandy melt-out till derived from gneiss, granite, and/or schist. The groundwater is more than eighty inches deep.

Typical profile

- *0 to 7 inches:* fine sandy loam
- *7 to 15 inches:* fine sandy loam
- *15 to 26 inches:* gravelly fine sandy loam
- *26 to 65 inches:* gravelly loamy sand

Charlton is also a well-drained soil found on hills, ground moraines, and ridges. The parent material includes coarse-loamy melt-out till derived from granite, gneiss, and/or schist. The ground water level is also more than eighty inches deep.

Typical profile

- *0 to 7 inches:* fine sandy loam
- *7 to 22 inches:* gravelly fine sandy loam

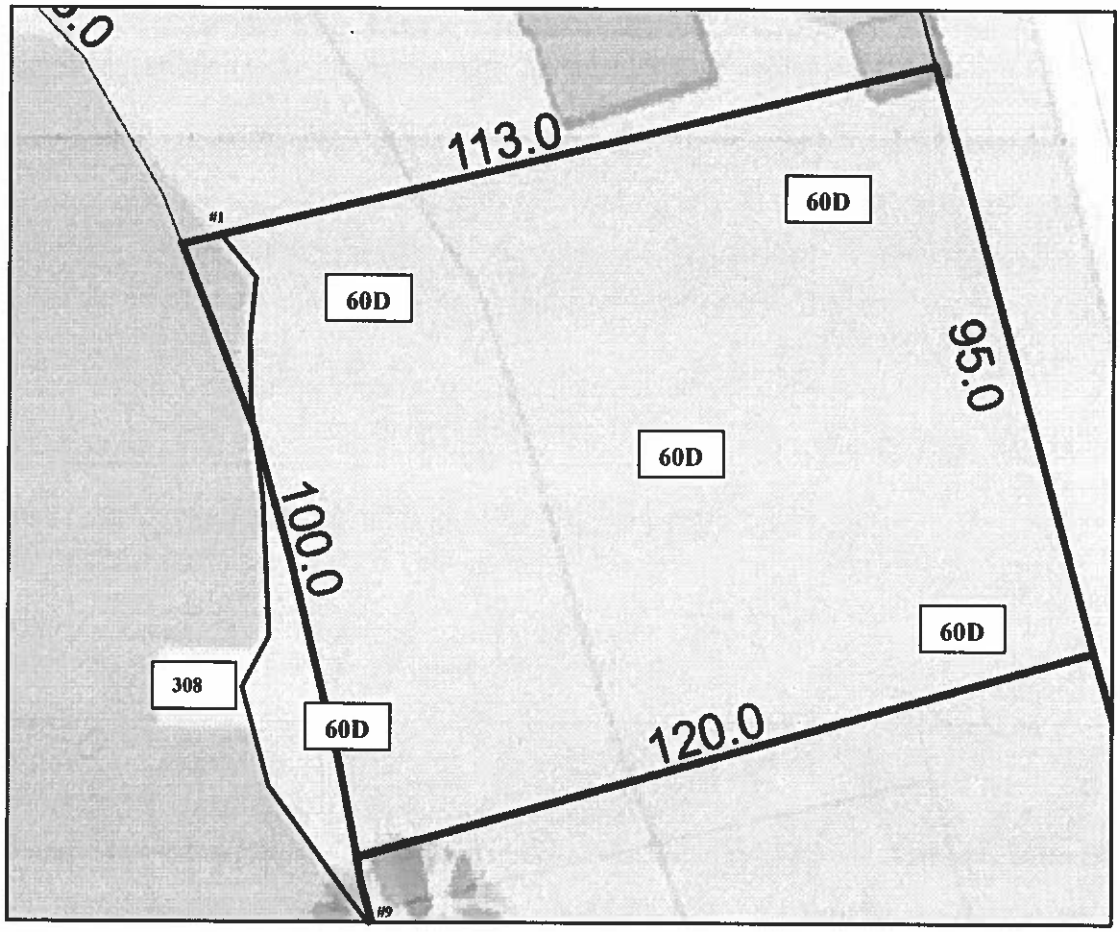
22 to 65 inches: gravelly fine sandy loam

Certified by:

A Moch

Aleksandra Moch
Wetland & Soil Scientist

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cell: (203) 550 9373, aleksandra_moch@yahoo.com



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cell: (203) 550 9373, aleksandra_moch@yahoo.com

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

SUBMITTED
Application No. 26-02
JAN 15 2026
INLAND WETLANDS COMMISSION
BY _____

APPLICATION FOR PERMIT

SECTION I

1. Location/address of property where activity is proposed: 17 Apple Gate Lane, Trumbull, CT
   Parcel Size 2.52 Zone: RES AA Map ID: J06-73 Current Use: Residential
2. Applicant's Name: Joseph M. Juliano
   Applicant's Address: 17 Apple Gate Lane, Trumbull, CT 06611
   Telephone: (631) 375-1554 Cell: (631) 375-1554 Email: jjuliano10@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): _____
3. Name of Property Owner of Record: Joseph & Regina Juliano
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: 17 Apple Gate Lane, Trumbull, CT 06611
   Telephone (631) 375-1554 Cell (631) 375-1554 Email: jjuliano10@gmail.com

   If Applicant is the Owner, go to #5
4. The undersigned hereby authorizes _____ to act as Agent on my behalf as related to this application.

   Joseph Juliano
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary): Proposed Pad Site

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Joseph M Juliano Date: 9/18/25
(If not the Owner)

Owner's Signature: Joseph M. Juliano Date: 9/18/25

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 2.516 Ac/109,575 sf Zone: RES AA Number of Lots: 1
2. Map ID, from assessors card: J06-73
3. Total area existing of wetlands on property: 47,910 sf (1.10Ac)
4. Total area of Regulated area on property: 47,910 SF (1.10Ac)
5. Wetlands area to be disturbed: 0 SF
6. Upland Review area to be disturbed: 4,150 SF (approx)
7. Proposed % of wetlands on the property to be disturbed: 0%
8. Total area of proposed land disturbance: 4,150 SF (approx)
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No ✓ (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No ✓
(If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	**Dominant Species:**
Trees:	70%	Red Maple, Black Birch, Red Oak
Shrubs:	20%	Shrubs, Barberry, Multiflora Rose, Spicebush, Winterberry
Grasses, weeds, etc:	10%	Lawn, Skunk Cabbage
Impervious area:		

12. Existing watercourse data and open water characteristics: (if applicable) n/a
    a. Size of pond(s) or lake(s): n/a
    b. Stream characteristics: intermittent or permanent: _____
    c. 100 year flood evaluation: _____
13. Probable effect of proposal (if any) on vegetation and wildlife: None
14. Existing or proposed source(s) of water supply for the property: n/a
15. Existing or proposed method of sewage disposal for the property: existing septic
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: Silt fence
18. Proposed percent of Regulated area to be covered with impermeable surface: 0 SF
19. Material to be (check all that applies): deposited ☑ excavated ☑ (if yes, complete the following)
    a. Area: 3,900 SF (approx) Volume: Attempt to balance cut & fill
    b. Physical & Chemical composition of material to be deposited:
    clean fill, drainage gravel for pool, retaining walls, patios

improvements are not within wetlands as delineated by Steven Danzer PhD & Associates, LLC

REFER TO POOL ADDITION PLANS PREPARED BY ROSE TISO & CO., LLC ARCHITECTS, SURVEYORS & ENGINEERS FOR STORMWATER MANAGEMENT

GENERAL LEGEND

- PROPERTY LINE
- PROPOSED SILT FENCE
- WETLAND LINE
- EXISTING TREE ◎ 18"
- EXISTING CONTOUR 331
- PROPOSED CONTOUR 372
- PROPOSED SPOT GRADE 371.0 +

GENERAL NOTES:

1. CONTACT CALL BEFORE YOU DIG AT 800-922-4455 TO HAVE UNDERGROUND UTILITY LINES MARKED PRIOR TO START OF ANY EXCAVATION WORK.
2. BASE MAP INFORMATION WAS TAKEN FROM "TOPOGRAPHIC SURVEY LOT 24 IRONGATE ESTATES" PREPARED BY LEWIS ASSOCIATES LAND SURVEYING AND CIVIL ENGINEERING DATED NOVEMBER 8, 2024.
13. SWIMMING POOL IS TO BE LINER TYPE CONSTRUCTION.
14. A CARTRIDGE FILTER SYSTEM SHALL BE UTILIZED FOR THE SWIMMING POOL. NO BACKWASH SYSTEM SHALL BE UTILIZED.
15. POOL ENCLOSURE MUST COMPLY WITH THE CONNECTICUT STATE BUILDING CODE, EFFECTIVE JULY 1, 2015

SWIMMING POOL WORK SEQUENCE:

1. INSTALL SILT FENCE, TREE PROTECTION AND STABILIZED CONSTRUCTION ACCESS.
2. STRIP AND STOCK PILE TOPSOIL FOR FUTURE USE
3. EXCAVATE FOR INGROUND SWIMMING POOL, PATIOS, STEPS, BOULDER RETAINING WALLS, POOL EQUIPMENT PAD, PLAY AREA, AND WALKS.
4. ALL GRADES ARE TO VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
5. ALL IMPROVEMENTS SHALL BE STAKED IN THE FIELD BY A CONNECTICUT LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
6. REMOVE AND DISPOSE OF EXCESS SOILS OFF SITE
7. EXCAVATE FOR AND INSTALL PROPOSED DRAINAGE STRUCTURES AND PIPING
8. CONSTRUCT SWIMMING POOL, RETAINING WALLS, PATIOS, STEPS, POOL EQUIPMENT PAD, AND WALKS.
9. GRADE TO CREATE SMOOTH TRANSITIONS.
10. PERFORM FINE GRADING
11. RESTORE ANY DISTURBED LAWN AREAS WITH 4" TOPSOIL (IF REQUIRED) FINE RAKE, SEED AND HAY MULCH.
12. SEDIMENT AND EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABLE, AND HAS A FULL VEGETATIVE COVER.

Revisions	Date
Added proposed propane tank; rev. pool equip. pad, noted cartridge filtration added native plantings, added curtain drain & pipe	02.10.26

C | T
Tracy Chalifoux LLC
Landscape Architect
7 King Street, Danbury, CT 06811
Office: 845-364-1360
E-mail: tlchalifoux@gmail.com

STEVEN DANZER, PhD & ASSOCIATES LLC
Wetlands & Environmental Consulting
WWW.CTWETLANDSCONSULTING.COM
203 451-8319
WETLAND BOUNDARIES • POND & LAKE MANAGEMENT • CONSTRUCTION FEASIBILITY CONSULTATIONS • ENVIRONMENTAL STUDIES

Seal: STATE OF CONNECTICUT · TRACY LEE CHALIFOUX · REGISTERED LANDSCAPE ARCHITECT · NO. 1185

Project Title: **WETLAND PLAN**

PREPARED FOR:
JOSEPH AND REGINA JULIANO

Location: 17 APPLEGATE LANE, TRUMBULL, CT

Graphic Scale and North Arrow: 0 10' 20'

Date: September 19, 2025

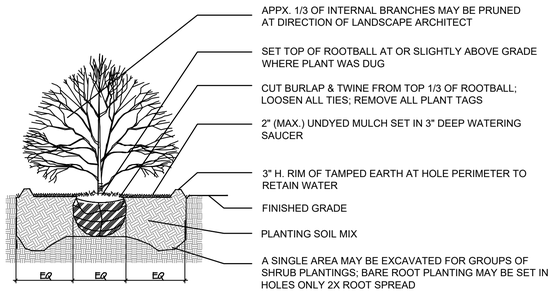
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Drawing Title: POOL SITE PLAN

RECD 2-13-2026
APP 26-02

Drawing No.: **SP-1**

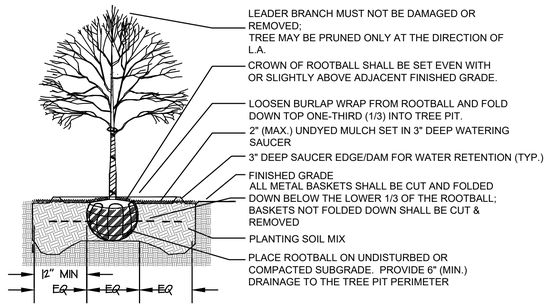
SHEET 1 OF 2



NOTE: FOR ALL CONTAINER GROWN PLANTS, REMOVE FROM CONTAINER JUST PRIOR TO PLANTING AND MAKE VERTICAL INCISIONS ALONG THE SURFACE OF THE ROOTBALL WITH A SHARP INSTRUMENT. CUT THROUGH CIRCULAR ROOTS AND GENTLY COMB OUT ROOTS.

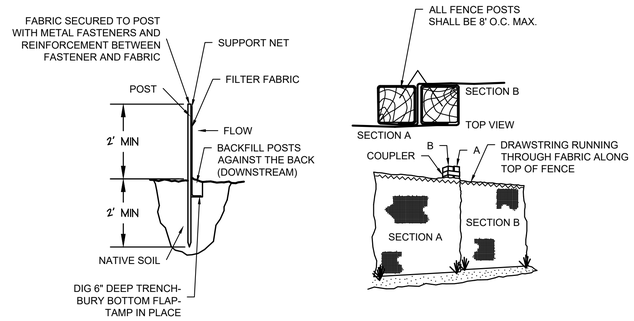
1 SP-2 SHRUB PLANTING DETAIL

NOT TO SCALE



2 SP-2 DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE



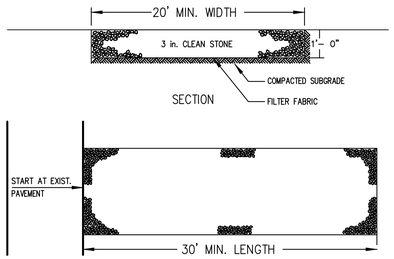
TOE-IN METHOD

JOINING SECTIONS OF FENCING

INSTALLATION NOTES:
1. ALL INSTALLATION AS PER ASTM STANDARDS
2. EXCAVATE A 6 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE
3. UNROLL A SECTION AT A TIME AND POSITION WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW)
4. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM
5. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH
6. JOIN SECTIONS AS SHOWN ABOVE

3 SP-2 FABRIC SILTATION FENCE DETAIL IF REQUIRED

NOT TO SCALE

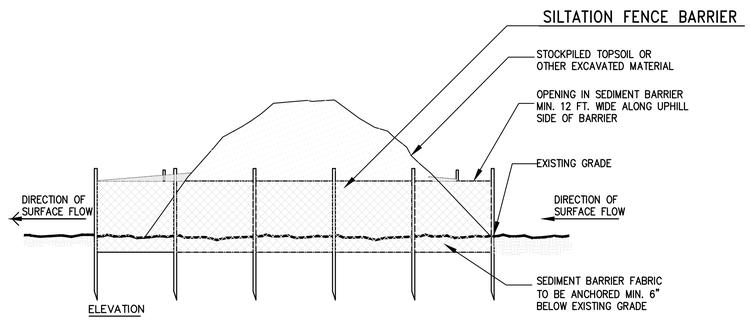


INSTALLATION NOTES

1. STONE SIZE – USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 20 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

4 SP-2 STABILIZED CONSTRUCTION ACCESS DETAIL

NOT TO SCALE



5 SP-2 STOCKPILE DETAIL

SCALE: N.T.S.

RECD 2-13-2026
APP 26-02

Revisions	Date
Added proposed propane tank; rev. pool equip. pad, noted cartridge filtration added native plantings, added curtain drain & pipe	02.10.26

Tracy Chalifoux LLC
Landscape Architect
7 King Street, Danbury, CT 06811
Office: 845-364-1360
E-mail: tlchalifoux@gmail.com

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Seal

Project Title
WETLAND PLAN
PREPARED FOR:
JOSEPH AND REGINA JULIANO

Location
17 APPLEGATE LANE
TRUMBULL, CT

Graphic Scale and North Arrow

Date
September 19, 2025

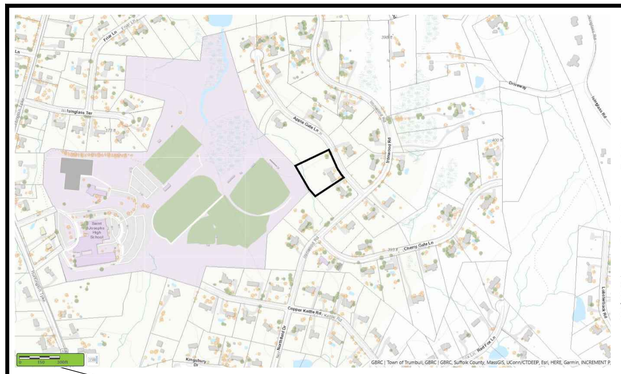
Scale
AS SHOWN

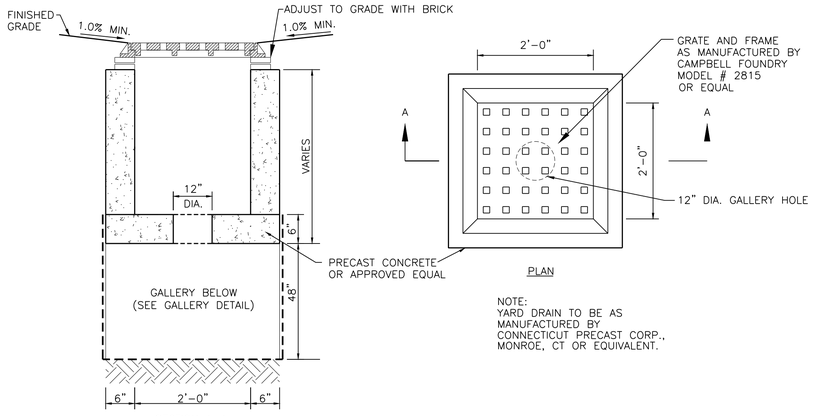
Checked
SD

Drawn
TLC

Drawing Title
EROSION CONTROL & PLANTING DETAILS

Drawing No.
SP-2
SHEET 2 OF 2

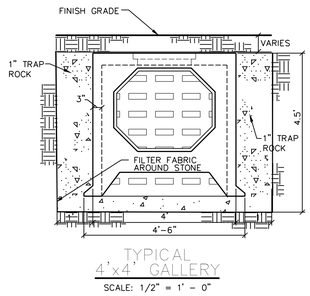

Applegate Ln
Applegate Ln
Driveway
Applegate Ln
Applegate Ln
Applegate Ln



NOTE:
YARD DRAIN TO BE AS MANUFACTURED BY CONNECTICUT PRECAST CORP., MONROE, CT OR EQUIVALENT.

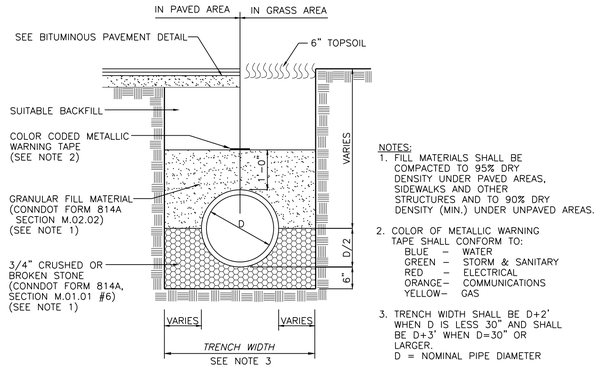
YARD DRAIN–DRYWELL

N.T.S.



TYPICAL 4'x4' GALLERY

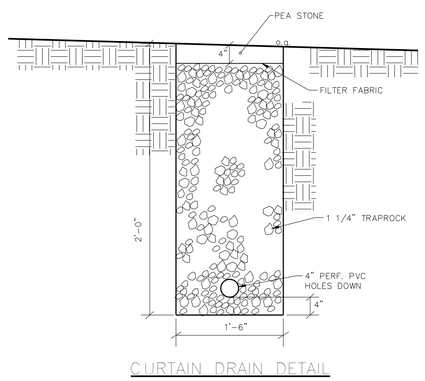
SCALE: 1/2" = 1' - 0"



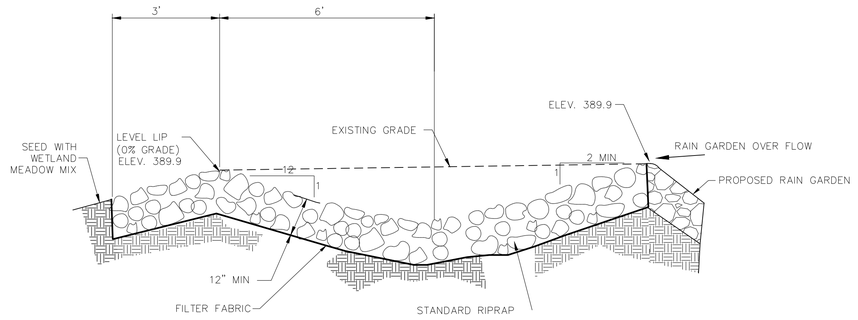
NOTES:
1. FILL MATERIALS SHALL BE COMPACTED TO 95% DRY DENSITY UNDER PAVED AREAS, SIDEWALKS AND OTHER STRUCTURES AND TO 90% DRY DENSITY (MIN.) UNDER UNPAVED AREAS.
2. COLOR OF METALLIC WARNING TAPE SHALL CONFORM TO:
   BLUE – WATER
   GREEN – STORM & SANITARY
   RED – ELECTRICAL
   ORANGE – COMMUNICATIONS
   YELLOW – GAS
3. TRENCH WIDTH SHALL BE D+2' WHEN D IS LESS 30" AND SHALL BE D+3' WHEN D=30" OR LARGER.
   D = NOMINAL PIPE DIAMETER

TYPICAL UTILITY TRENCH

N.T.S.

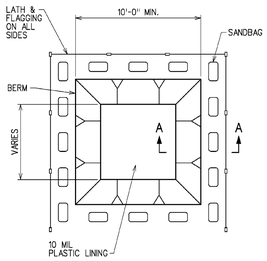


CURTAIN DRAIN DETAIL

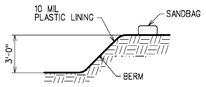


RIP RAP LEVEL SPREADER

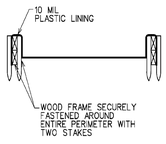
NO SCALE



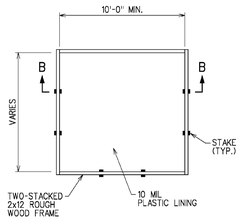
PLAN
NOT TO SCALE
TYPE "BELOW GRADE"



SECTION A-A
NOT TO SCALE

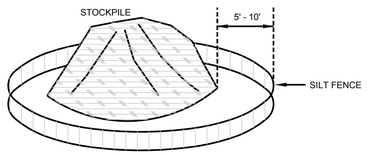


SECTION B-B
NOT TO SCALE



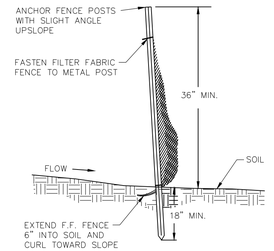
PLAN
NOT TO SCALE
TYPE "ABOVE GRADE"

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.



INSTALL SILT FENCE AT BASE
APPLY MIXTURE OF PERRENIAL RYEGRASS, ANNUAL RYEGRASS AND WINTER RYE AT A RATE OF 10# PER 1000 SQ. FT.

STOCKPILE STABILIZATION
NTS



FILTER FABRIC FENCE
SCALE 1/2" = 1'-0"

ROSE •TISO & CO. LLC.
ARCHITECTS●SURVEYORS●ENGINEERS
WWW.ROSETISO.COM
4 BRIGHTON RD NAUGATUCK CT 06770
TEL: (203)209-4808 ● MSILVA@ROSETISO.COM

REVISIONS			
1	MJS	06-27-25	POOL REMOVED
2	MJS	08-05-25	RAIN GARDEN RECONFIGURED
3	MJS	09-23-25	POOL AND PLAYGROUND ADDED
4	MJS	02-10-26	COORDINATION

POOL ADDITION

17 APPLE GATE
TRUMBULL, CT.

Prepared For:

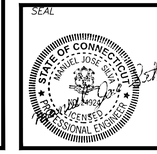
Joseph M Juliano

SHEET TITLE

DETAIL PLAN

DESIGNED BY: MJS	SCALE: 1" = 20'
DRAWN BY: MJS	DATE: 01-04-25
CHECKED BY: MJS	PROJECT NUMBER: 1898
CAD FILE: R:/11 APPLE GATE TRUMBULL/1898-sp	

SEAL



SHEET NUMBER

EP-2

Application No.

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL
APPLICATION FOR PERMIT

SECTION I

1. Location/address of property where activity Is proposed: 201 Old Dike Road
Parcel Size .94 Ac. Zone:. AA Map ID: H/06/00113/000/ Current Use:. Residential
2. Applicant's Name: Aris W. Stalis, Aris Land Studio, LLC

Applicant's Address:. 3496 Whitney Avenue, Suite 203, Hamden, CT 06518

Telephone: (203)527-0075 Cell:. (203)606-3130 Email: Aris@ArisLS.com

Applicant's interest In property (lessee, licensee, Owner,etc.).: Agent

3. Name of Property Owner of Record: ACI Castello Property, LLC, Tiago Silva
If the owner is a corporation , or other non-individual entity, include the primary contact information.
Address of Owner of Record:. 840 Shelton Road, Trumbull, CT 06611

Telephone:--------Cell: (954)471-8059Email: minasulconstruction@hotmail.com

If Applicant Is the Owner, go to #5

4. The undersigned hereby authorizes Aris Land Studio, LLC to act as Agent on my behalf as related to this application.

X
(Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities
(use separate sheet if necessary):
Restoration / reconstruction of existing residence. Landscaping including replacement of existing driveway and front walk, installation of stormwater retention system.

The Applicant understands that this application is to be considered complete only when all information and documents required by the Agency has been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and it's agent(s) to inspect the subject land, at reasonable times, during the pendency of an application and far the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature:_____ Date:_____
{If not the owner)

Owner's Signature: X _____ Date.:_____

Application No.

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: .94 Acres Zone: AA Number of Lots: 1

2.. Map ID, from assessor's card: H/06/00113/000/

3. Total area existing of wetlands on property: None, stream located off of property

4. Total area of Regulated area on property: 19,223 sq ft

5. Wetlands area to be disturbed: None

6. Upland Review area to be disturbed: 8,638 sq ft,

7. Proposed % of wetlands on the property to be disturbed: None

8. Total area of proposed land disturbance: 23,900 Square Feet

9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes **No XX**
(If yes, see Section 8.3 of the Trumbull IWWC Regulations.)

10.Is any portion of the site located within a water company watershed: Yes **No XX**
(If yes, See Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)

11.Existing property coverage type data:

Percent of Regulated Area: Dominant Species:

Total Regulated Area: 19,223 Square Feet (47.9% of property)

Trees: Mixed Oak, beech, yellow birch, red maple

Shrubs: Browsed understory, no dominant species.

Grasses, weeds,etc: Poke weed, crabgrass, Halls honeysuckle, and other deer tolerant weeds and grasses

Impervious area: 4,039 Square Feet

12.Existing watercourse data and open water characteristics:(if applicable)

a. Size of pond(s) or lake(s): N/A

b. Stream characteristics: Class 2 is described as minimally altered stream flow, per CT Stream Flow Standards + Regulations **Permanent**

c. 100 year flood evaluation: Outside of the 100 Year Food Elevation, see attached Map

13.Probable effect of proposal (if any) on vegetation and wildlife: Previous removal of existing large caliper trees and surface vegetation as indicated by stumps had a negative impact on insect, bird and small mammal life by reducing foraging, nesting and habitat. Site plantings are proposed to mitigate the impacts are native planting in and outside the review area, including deer tolerant shrubs, tree, perennials and grasses. A new deer tolerant meadow area will provide enhanced opportunities for a large variety of species.

14.Existing or proposed source(s) of water supply for the property: Public

15.Existing or proposed method of sewage disposal for the property: Public

16.Creation of proposed water bodies (If yes, detailed information will be required. Yes: No: XX

17. List of proposed measures to protect regulated and inland wetland areas from:

a. Erosion and sedimentation: Site is currently stabilized with turf seed. Silt fence, hay bales, anti-tracking pad, silt sack for catch basin.

18.Proposed percent of Regulated area to be covered with impermeable surface: 1,958 Sq. Ft.

19.Material to be (check all that applies**):** deposited excavated __ (if yes, complete the following)•

a. Area: Volume: Site Work Expected to be Balanced – No soil to be imported

b. Physical & Chemical composition of material to be deposited:

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No.
Submitted
07/15/2025
app 25-25

1. Location/address of property where activity is proposed: 5 & 15 Plumtree Lane, Trumbull & Easton

   Parcel Size T=5.325 a Zone: A Map ID: C-10 0001 Current Use: Residential

2. Applicant's Name: 15 Plum Tree LLC

   Applicant's Address: 20 VIRGINIA DRIVE, EASTON CT 06612

   Telephone: 203-610-1545 Cell: ( ) Email: goldcoasthouses@gmail.com

   Applicant's interest in property (Lessee, Licensee, Owner, etc.): 15 PLUMTREE OWNER

3. Name of Property Owner of Record: 15 Plum Tree LLC
   If the owner is a corporation, or other non-individual entity, include the primary contact information

   Address of Owner of Record: 20 VIRGINIA DRIVE, EASTON CT 06612

   Telephone: 203.610.1545 Cell: ( ) Email: goldcoasthouses@gmail.com

   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes _____ to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):
   construct 3 story apartment building & 9 attached townhouses

   Regulated activities include retaining wall, subsurface stormwater detention system, level spreader, sidewalks and storm drainge

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: _____ Date: 6/16/25
(If not the Owner)

Owner's Signature: _____ Date: 6/16/25

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

Application No.

SECTION I

1. Location/address of property where activity is proposed: 5 & 15 Plumtree Lane, Trumbull & Easton

   Parcel Size T=5.325 a Zone: A Map ID: C-11/00001 Current Use: Residential

2. Applicant's Name: 15 Plum Tree LLC

   Applicant's Address: 20 VIRGINIA DRIVE, EASTON CT 06612

   Telephone: 203-610-1545 Cell: ( ) Email: goldcoasthouses@gmail.com

   Applicant's interest in property (Lessee, Licensee, Owner, etc.): 5 PLUMTREE

3. Name of Property Owner of Record: EDMA CANAAN

   If the owner is a corporation, or other non-individual entity, include the primary contact information

   Address of Owner of Record: 5 PLUMTREE LANE, TRUMBULL

   Telephone: _____ Cell: 203 525-7762 Email: EDMACANAAN@YAHOO.COM

   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes 15 Plum Tree LLC to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

   Regulated activities include retaining wall, subsurface stormwater detention system, level spreader, sidewalks and storm drainge. and a small portion of a new building.

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: _____ Date: 6/16/25
(If not the Owner)

Owner's Signature: _____ Date: 6/16/25

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: T=4.915 ac. (1.1 ac Trumbull only) Zone: A Number of Lots: N/A
2. Map ID, from assessors card: C/11/00001 & c/10/00001
3. Total area existing of wetlands on property: 0.0 Trumbull only
4. Total area of Regulated area on property: 0.11 ac. Trumbull only
5. Wetlands area to be disturbed: 0 ac.
6. Upland Review area to be disturbed: 0.11 ac. Trumbull only
7. Proposed % of wetlands on the property to be disturbed: 0%
8. Total area of proposed land disturbance: 0.79 ac. Trumbull only
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes ✓ No____ (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes_____ No ✓ (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area: (Trumbull only)	Dominant Species:
Trees:	11	Deciduous
Shrubs:	--	
Grasses, weeds, etc:	60	
Impervious area:	29	

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): _____
    b. Stream characteristics: intermittent or permanent: Mill River
    c. 100 year flood evaluation: 142.0
13. Probable effect of proposal (if any) on vegetation and wildlife: Refer to report.
14. Existing or proposed source(s) of water supply for the property: Existing public water.
15. Existing or proposed method of sewage disposal for the property: Existing public sewer.
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: ✓
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: Refer to sheet 2.3, Erosion & Sediment Control Plan.
18. Proposed percent of Regulated area to be covered with impermeable surface: 76% (Trumbull only)
19. Material to be (check all that applies): deposited ☑ excavated ☐ (if yes, complete the following): (Trumbull reg. area)
    a. Area: 0.1 ac. Volume: _____
    b. Physical & Chemical composition of material to be deposited: 1550 cu yds.
    Concrete, steel, soil, and brick.

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No. 25-10
SUBMITTED
MAR 19 2025
INLAND WETLANDS COMMISSION
BY _____

1. Location/address of property where activity is proposed: 6 SYCAMORE ST.
   Parcel Size .245 AC Zone: A Map ID: D10/320 Current Use: RESIDENTIAL
2. Applicant's Name: EMILIA FERRI
   Applicant's Address: 18 PECK AVENUE, GREENWICH, CT 06830
   Telephone: " " Cell: (203) 545-7761 Email: Emiliaferridesign@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): ARCHITECT
3. Name of Property Owner of Record: FAIRVIEW AVENUE REAL ESTATE LLC
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: P.O. BOX 110696, TRUMBULL, CT 06611
   Telephone: 203-257-4130 Cell: ( ) " " Email: plynn15@aol.com

If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes EMILIA FERRI to act as Agent on my behalf as related to this application.
   Patricia L. Ferri
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):
   LEGALIZE EXISTING IMPROVEMENTS FOR RETAINING WALL LOCATION, TOPOGRAPHIC CONTOUR CHANGES AND PROPOSED UNDERGROUND INFILTRATION SYSTEM LOCATION, NEW REAR DECK MODIFICATION OF PERMIT # 21-07

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Emilia Ferri Date: 3-18-25
(If not the Owner)

Owner's Signature: Patricia L. Ferri Date: 3-18-2025

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: .245 AC. Zone: A Number of Lots: 1
2. Map ID, from assessors card: D/10 / 003200/000
3. Total area existing of wetlands on property: 0
4. Total area of Regulated area on property: .21 AC.
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: .21 AC.
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: .245 AC
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	**Dominant Species:**
Trees:	0	N/A
Shrubs:	0	N/A
Grasses, weeds, etc:	100%	NATIVE
Impervious area:	0	N/A

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: INTERMITENT
    c. 100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: NONE
14. Existing or proposed source(s) of water supply for the property: PUBLIC
15. Existing or proposed method of sewage disposal for the property: PUBLIC
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: SILT FENCE, PROPOSED RETAINING WALL
18. Proposed percent of Regulated area to be covered with impermeable surface: 0.04 AC
19. Material to be (check all that applies): deposited ☑ excavated ☐ (if yes, complete the following):
    a. Area: .17 AC Volume: 787 C.Y. DEPOSITED
    b. Physical & Chemical composition of material to be deposited: CLEAN FILL, ON SITE MATERIAL RELOCATED FROM ESCAVATED FOUNDATION AREA.

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No. 25-11
SUBMITTED
MAR 19 2025
INLAND WETLANDS COMMISSION
BY _____

1. Location/address of property where activity is proposed: LOT 321, SYCAMORE ST.
   Parcel Size .41 AC Zone: A Map ID: D10/321 Current Use: RES. VACANT LOT
2. Applicant's Name: EMILIA FERRI
   Applicant's Address: 18 PECK AVENUE, GREENWICH, CT 06830
   Telephone: _____ Cell: (203) 545-7761 Email: emiliaferridesign@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): ARCHITECT
3. Name of Property Owner of Record: HURD REALTY LLC
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: P.O. BOX 110696, TRUMBULL, CT 06611
   Telephone: _____ Cell: (203) 257-5551 Email: fernapinc@gmail.com

If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes EMILIA FERRI to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

LEGALIZE PROPOSED RETAINING WALL LOCATION, RELOCATE SCOUR HOLE LOCATION AND ENCROACHMENT ON LIMIT OF DISTURBANCE.

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Emilia Ferri Date: 3-18-25
(If not the Owner)

Owner's Signature: _____ Date: 3-18-2025

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: .41 AC Zone: A Number of Lots: 1
2. Map ID, from assessors card: D10 / 321
3. Total area existing of wetlands on property: .24
4. Total area of Regulated area on property: .41 Ac
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: .10
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: .10
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	60%	
Shrubs:	0	
Grasses, weeds, etc:	40%	
Impervious area:	0	N/A

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: INTERMITTENT
    c. 100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: 0
14. Existing or proposed source(s) of water supply for the property: N/A
15. Existing or proposed method of sewage disposal for the property: N/A
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: SILT FENCE & PROPOSED RETAINING WALL
18. Proposed percent of Regulated area to be covered with impermeable surface: 0
19. Material to be (check all that applies): deposited ☒ excavated ☐ (if yes, complete the following):
    a. Area: .07 AC Volume: 843 CY
    b. Physical & Chemical composition of material to be deposited: BOULDERS & CLEAN FILL