INLAND WETLANDS AND WATERCOURSES COMMISSION

Town of Trumbull

CONNECTICUT

www.trumbull-ct.gov

TOWN HALL
Trumbull

TELEPHONE
(203) 452-5005

AGENDA
APRIL 7, 2026

TO: MEMBERS OF THE INLAND WETLANDS AND WATERCOURSES COMMISSION

RE: VIDOECONFERENCE MEETING – Tuesday, April 7, 2026

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

https://us06web.zoom.us/j/83690238283?pwd=Uw8uNQoZn8yKkcBB0eBK2E1JteVlbo.1

Webinar ID: 836 9023 8283

Password: 999596

Join by telephone: (929) 205-6099 / Webinar ID: 836 9023 8283

NEW BUSINESS

Application 26-08	Aleksandra Moch	Permit approval for an in-ground pool with a spa, pool terrace, pool equipment pad and stormwater detention system within a regulated area at 112 Hilltop Drive.
Application 26-10	Machados Properties LLC	Permit approval to build a single family residence within a regulated area at 33 Broadway.

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.

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 – March 3, 2026

SCHEDULE FIELD INSPECTION(S)

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No.

RECD 3/17/2026
APP 26-08

1. Location/address of property where activity is proposed: 112 Hilltop Drive

   Parcel Size 1.5ac Zone: AA Map ID: J9-223 Current Use: single-family residential

2. Applicant's Name: Aleksandra Moch

   Applicant's Address: 95 Halpin Avenue, Stamford, CT 06905

   Telephone: 203 550 9373 Cell: ( ) Email: aleksandra_moch@yahoo.com

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

3. Name of Property Owner of Record: Vicky B. Tola-Shelby

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

   Address of Owner of Record: 112 Hilltop Drive, Trumbull, CT 06611

   Telephone: 203-375-0615 Cell: ( ) Email: vtolamd@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.

   see the attached authorization letter
   (Owner of Record)

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

Install an in0ground swimming pool (16'x36') with a spa (7'x7'), a pool terrace, a pool equipment pad and stormwater detention system.

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: A Moch Date: 3/14/2026
(If not the Owner)

Owner's Signature: _____ Date: _____

SECTION II

SITE PLAN REQUIREMENTS

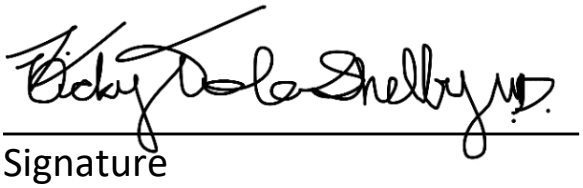
1. Total property area: 1.5ac Zone: AA Number of Lots: _____
2. Map ID, from assessors card: J9-223
3. Total area existing of wetlands on property: 9,361sf or 0.21ac
4. Total area of Regulated area on property: 11,718sf or 0.27ac
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: 4,677sf or 0.107ac
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: 5,120af or 0.118ac
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:	16%	red maples, hemlock, Golden Mop False Cypress, birch, hickory
Shrubs:	15%	spice bush, viburnum, multiflora rose, ornamentals
Grasses, weeds, etc:	_____	due to the winter season, it was not visible
Impervious area:	0.1% or 55sf	foot bridge and concrete pond overflow

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): 1,489sf ornamental pond detained by a concrete dam.
    b. Stream characteristics: intermittent or permanent: perennial
    c.100 year flood evaluation: n/a
13. Probable effect of proposal (if any) on vegetation and wildlife: the proposed activities will be located over a lawn area and outside of the natural wetland habitats, there will be no impact.
14. Existing or proposed source(s) of water supply for the property: public water
15. Existing or proposed method of sewage disposal for the property: on sewer
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: a line of silt fence reinforced with hay bales on the wetland side.
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: 678sf Volume: 2,880cf or 107cy
    b. Physical & Chemical composition of material to be deposited: the excavated soil for the pool (107cy) will be used for the site grading. The excess material (33cy) will be taken off-site.

Vicky B. Tola, M.D.
112 Hilltop Drive
Trumbull, CT

I, Vicky Tola, authorize Aleksandra Moch, Environmental Consultant, to file an application on my behalf with the Trumbull Inland Wetlands and Watercourses Commission (IWWC) and be the main contact for questions/comments.



Signature

3/4/2026

Date

ALEKSANDRA MOCH
SOIL & WETLAND SCIENTIST
CERTIFIED PROFESSIONAL IN SOIL EROSION AND SEDIMENT CONTROL
GEOLOGIST/HYDROGEOLOGIST
LANDSCAPE DESIGNER

Project narrative – 112 Hilltop Drive, Trumbull, CT

The proposed activities include the installation of a new 18'x36' in-ground swimming pool with a terrace and a 7'x7' spa, a pool equipment pad, site grading, and drainage. The proposed pool will be situated over a gently sloping area of the backyard immediately behind the residence. The affected area is maintained as a lawn, so no tree will be lost to this project. The increase of impervious surface will be mitigated by the professionally designed stormwater infiltration system located in the rear of the pool terrace. Soil used for site grading will be taken from the pool excavation pit. The excess will be taken off-site. The closest soil disturbance to the wetland will be 21 feet, while the closest hard surface will be located more than 40 feet from the wetland.



View of the proposed pool area behind the residence and the restoration area.

The increase of impervious surface will be mitigated by the use of the in-ground infiltration system, which will eliminate any long-term impacts associated with increased stormwater runoff. The short-term impacts will be mitigated by properly installed and maintained soil erosion and sediment control measures. The third mitigation proposed is the planting plan, which will replace the lawn buffer and increase environmental values of the wetland/watercourse area in terms of plant diversity, wildlife habitat, stormwater quality and quantity, and aesthetics.

The regulated area consists of a perennial watercourse and the wetland that the stream crosses. The flow enters the property at the northwestern corner and continues down the hill towards the south. Along the way, it enters a man-made pond, which is detained by a stone/concrete dam with an overflow. Below the dam, the flow enters a steep channel and flows underneath a footbridge. The lower stretch of the channel passes through a gentler slope as the flow slows, entering a wetland that widens into a naturally wooded area. The channel and the pond have been modified in the past. The channel is supported by a narrow wetland fringe along its steep stretch. This area had been landscaped with ornamental plantings and improved with a footbridge leading to a structure located on the western flank.





Stream entrance to the site, the man-made pond from which the stream overflows.

The lower portion of the stream remains natural and is associated with the wider, more natural wetland area. The western side of the stream is naturally wooded, while the eastern side supports lawn encroachments into the wetland area and its buffer. This area will be restored with the proposed planting plan.

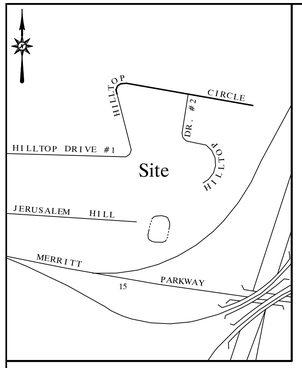




The stream below the dam passes under the footbridge and flows towards a wetland.

The proposed activity is well removed from the wetland/watercourse area. Proper installation and maintenance of the proposed mitigation measures (soil erosion and sediment control, and drainage) will prevent any short- and long-term impacts on the regulated area. The proposed planting plan will provide a net benefit to the wetland/watercourse area.

Aleksandra Moch
Environmental Consultant
cell: 203 550 9373
aleksandra_moch@yahoo.com

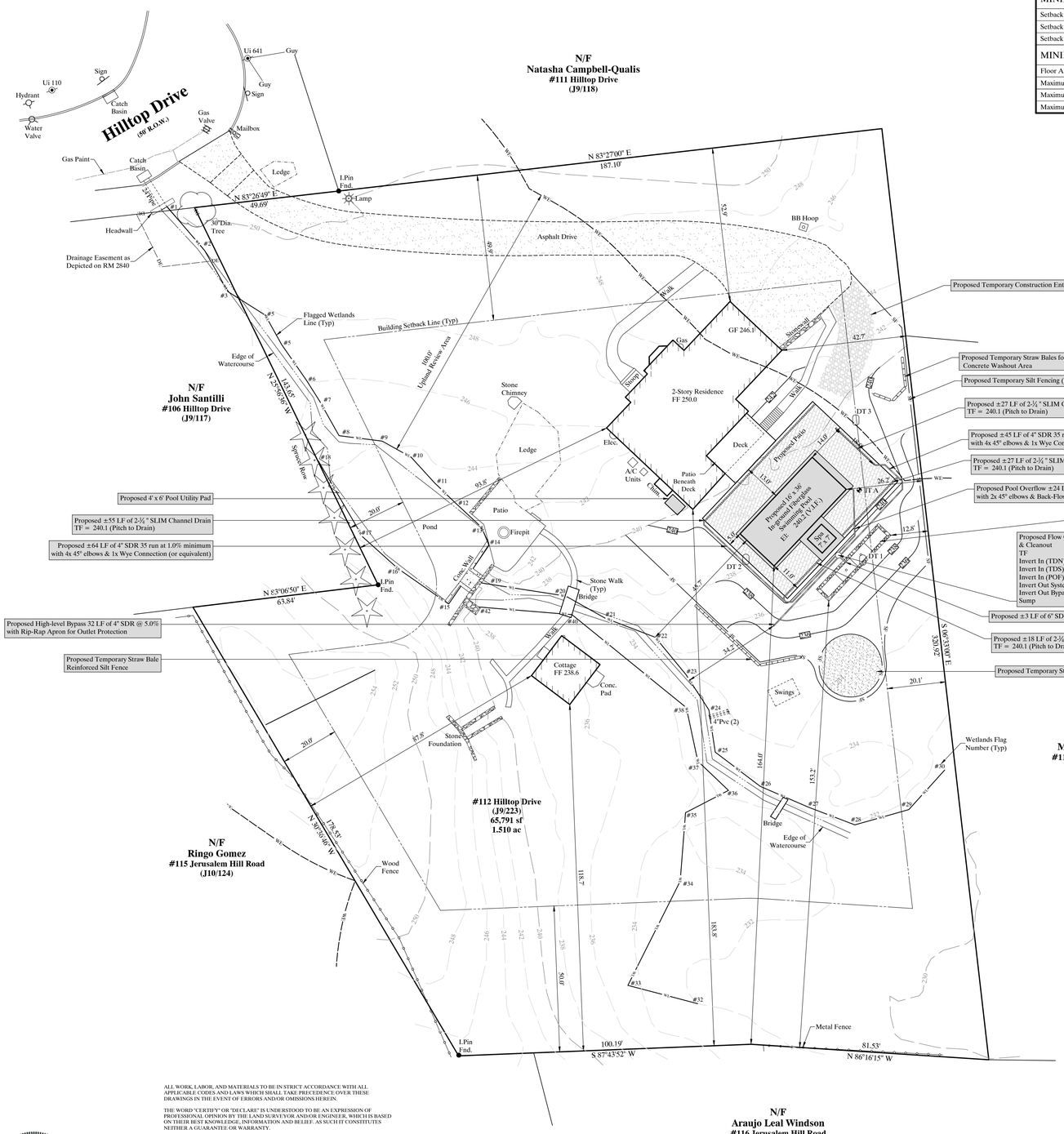


LOCATION MAP

0 500

1" = 500'





RESIDENCE ZONE AA	MINIMUM REQUIRED MAXIMUM ALLOWED	EXISTING CONDITIONS	PROPOSED CONDITIONS	AS-BUILT CONDITIONS
Minimum Lot Area	43,560 sf	65,791 sf	65,791 sf	
Minimum Lot Frontage	150'	49.69'	49.69'	
MINIMUM SETBACK				
Setback From Front Property Line	50	52.9'	52.9'	
Setback From Side Property Lines	20	42.7'	42.7'	
Setback From Rear Property Lines	50	183.8'	183.8'	
MINIMUM FLOOR AREA				
Floor Area 1st Floor/2nd Floor/Half Story	1000/800	1,421/1,252/552	1,421/1,252/552	
Maximum Height For A Building Or Structure	40	30.2'	30.2'	
Maximum Building Lot Coverage As A Percentage Of Lot Area	N/A	3.9%	7.3%	
Maximum Building Floor Area As A Percentage Of Lot Area	29%	4.9%	4.9%	

NOTES:

1. This survey and map has been prepared in accordance with Sections 20-300b-1 through 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Survey and Maps in the State of Connecticut" as amended October 26, 2018 and endorsed by the Connecticut Association of Land Surveyors, Inc., August 29, 2019.
   It is a Zoning Location Survey based upon a Resurvey and conforms to: Horizontal Accuracy Class A-2 and Topographical Class T-2.
2. Reference is made to the following documents on file in the Trumbull Town Clerk's Office
   A. RM 2840-"Resubdivision of Property; in Trumbull, Conn.; for Benjamin W. & Catherine Sallard; October 11, 1996; Scale: 1"=40'; by Stephen C. Bombero."
   B. RM 965-"Property of Theresa H. Barrille; Jerusalum Hill Road; Trumbull, Conn.; to be Conveyed to Bohden Seniw; 731 Stillman Street; Bridgeport, Conn.; Scale: 1"=30'; June 14, 1960; by Casper & Sons."
   C. RM 1828-"Property of The Estate of George E. Nothnagle; Hilltop Drive; Trumbull, Conn.; Scale: 1"=40'; Dec. 13, 1974; Prepared for Atty. W. Bradley Morehouse; by Casper & Sons."
   D. RM 2396-"Resubdivision Map for Harry Wilson; Scale: 1"=40'; Jan. 2, 1986; by Codespoti & Associates."
   E. Volume 910 Page 493 (Variance)
   F. Volume 978 Page 308 (Special Permit)
   G. Volume 1303 Page 54 (Sewer Lein)
   H. Volume 1453 Page 466 (Warranty)
3. The underground utilities shown, if any, have been located from visible field survey information. No attempt has been made as a part of this survey to obtain or show data concerning existence, size, depth, condition, capacity, or location of any utilities or municipal/public service facilities. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area either in service or abandoned. For information regarding these utilities or facilities, please contact the appropriate agencies. Call Before You Dig, Inc. (1-800-922-4455).
4. Distances shown from buildings to property lines are for reference purposes only and are not to be used to establish boundaries.
5. Zoning information shown on this map must be reviewed and confirmed by the appropriate Town of Trumbull authorities prior to use.
6. The property is located in Zone X per FEMA Flood Map #09001C0432F; Panel 432 of 626; Effective Date: 6/18/2010.
7. Property is served by public water and sanitary sewer.
8. The topography shown hereon is the result of a field survey. The elevations are based on Vertical Datum: NAVD 88 (GPS Derived).
9. Reference is hereby made to Connecticut General Statute 8-13a, as amended, with regards to existing structures three or more years old.
10. Unauthorized alterations or additions to this survey, which bears the surveyor's embossed seal, renders any declaration shown hereon null and void.
11. It is the owner's and/or contractor's responsibility to obtain any and all required permits and/or variances that may be required prior to any construction activity.
12. Inland wetlands flagged by Steven Danzer, PHD & Associates LLC, on August 6, 2025 and field located by The Huntington Company on August 28, 2025.

DEEP TEST PIT DATA

112 Hilltop Drive Trumbull

Performed By Ochman Associates, Inc. December 10, 2024

Deep Test Pit #1 (DT 1)
0" - 12" Topsoil (Fill) Dark Brown
12" - 20" Topsoil (Natural) Black Brown
20" - 40" Brown Sandy Silty Loam
40" - 62" Olive Brown Silty Loam with Fine Sand & Gravel
Mottling at: 40"
Ground Water at: N/A
Ledge at: N/A
Compaction at: 40"
Roots to: 38"

Deep Test Pit #2 (DT 2)
0" - 19" Topsoil (Fill) Brown Sandy Silty Loam with Trash
19" - 39" Grey/Black Very Silty Loam with Fine Sand & Organics
39" - 53" Olive Brown Silty Loam with Fine Sand & Gravel
53" - 69" Brown Silty Loam with Fine Sand & Gravel
Mottling at: 16'
Ground Water at: N/A
Ledge at: N/A
Compaction at: 19"
Roots to: 37"

Deep Test Pit #3 (DT 3)
0" - 19" Topsoil (Fill transitions to Native)
19" - 30" Dark Brown Sandy Loam with Silts & Gravel
30" - 72" Brown Coarse Sandy Loam with Silts
Mottling at: 49"
Ground Water at: N/A
Ledge at: N/A
Compaction at: N/A
Roots to: 48"

INFILTRATION TEST DATA

Note: Testing Completed using a CT-DEEP approved Double Ring Infiltrometer Apparatus

Infiltration Test A (IT A)
EQUIPMENT: TURF-TECH Infiltrometer
TEST DEPTH: 28"

Time	Reading	Note
10:20a	0	Presoak
10:32	3 ⅞"	Inner & Outer Rings Dry
10:35	0"	Refill
10:40	1 ⅜"	
10:45	2 ⅝"	
10:48:20s	3 ⅞"	Inner & Outer Rings Dry

Results: 3 ⅞ inches in 13 minutes & 20 Seconds
- 15 ⅜ in/hr
- 3.95 min/in

LEGEND

- HYDRANT
- MANHOLE
- GAS VALVE
- UTILITY POLE
- WATER VALVE
- LAMP POST
- CATCH BASIN
- ELECTRIC BOX
- SIGN
- MAILBOX
- DECIDUOUS TREE
- CONIFEROUS TREE
- TEST HOLE
- EXISTING IRON PIN
- EXISTING CONCRETE MONUMENT
- STONE BOUND
- HEDGE
- STONEWALL
- WL INLAND WETLANDS
- METAL FENCE
- WOOD FENCE
- EXISTING CONTOUR LINE
- × 132.0 EXISTING SPOT ELEVATION

NOTHING SHALL BE CONSIDERED CERTIFIED WITH SEAL OR FIXED WITHOUT THE LIVE SIGNATURE OF THE SIGNATORY

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

Mark A. Ochman, L.S. #22913

NOTHING SHALL BE CONSIDERED CERTIFIED WITH SEAL OR FIXED WITHOUT THE LIVE SIGNATURE OF THE SIGNATORY

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

Michael D. Mlynarczyk, L.S. #70339

ALL WORK, LABOR, AND MATERIALS TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND LAWS WHICH SHALL TAKE PRECEDENCE OVER THESE DRAWINGS IN THE EVENT OF ERRORS AND/OR OMISSIONS HEREIN.

THE WORD "CERTIFY" OR "DECLARE" IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE LAND SURVEYOR AND/OR ENGINEER, WHICH IS BASED ON THEIR BEST KNOWLEDGE, INFORMATION AND BELIEF. AS SUCH IT CONSTITUTES NEITHER A GUARANTEE OR WARRANTY.

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RECD 3/17/2026
APP 26-08

ZONING LOCATION SURVEY

PROPOSED POOL

PREPARED FOR

VICKY TOLA-SHELBY

#112 HILLTOP DRIVE

TRUMBULL, CONNECTICUT

20 0 20 40

NO.	DATE	REVISIONS
1	2/5/2026	Add Proposed Pool

DATE:	SCALE:	DRAFTER:	JOB NUMBER:	SHEET NUMBER:
9-3-2025	1"=20'	DCH	H5125	1/2

HC Since 1921

THE HUNTINGTON COMPANY, LLC
Consulting Engineers & Surveyors
A Division Of Shevlin Land Surveying, LLC
303 Linwood Avenue, Fairfield, CT 203.259.1091

1/2

8-5596

SOIL EROSION AND SEDIMENT CONTROL NOTES

NARRATIVE:

The purpose of the Soil Erosion and Sediment Control Plan details and notes is to outline a program that minimizes soil erosion during construction.

THE PRIMARY POLICIES OF THIS PROGRAM ARE:

a) Trapping particles at source by promptly stabilizing disturbed areas;
b) Avoid concentration of water;
c) Avoid contamination of existing storm drains;
d) Maintenance (weekly maintenance and after storm events) of controls to ensure they are functioning properly.

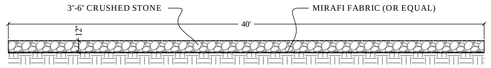
NOTES:

1. This drawing is intended to describe the soil erosion and sediment control plan for the pool construction. For other details with respect to construction, see appropriate drawings.
2. All soil erosion and sediment controls shall be done in conformance with the 2002 Connecticut "Guidelines for Soil Erosion and Sediment Control", DEP Bulletin #34, prepared by the Connecticut Council on Soil and Water Conservation.
3. The contractor is assigned the responsibility for implementing this soil 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 of any transfer of this responsibility.
4. Temporary sediment control measures must be installed in accordance with drawings and manufacturer recommendations prior to work.
5. No construction or construction equipment or storage of materials will be allowed on the downhill side of the silt fence or within fenced off areas, except during construction of proposed facilities shown beyond the fences.
6. Tracking pads shall be installed at start of construction and maintained in an effective condition throughout the duration of construction. Pad consist of CT DOT #3 stone, 6" minimum thickness and extend the width of the construction access. The length of the access shall be sufficient to prevent dirt from being tracked onto off site roads (50' or as specified on drawings).
7. The location of the proposed stockpile is shown on the drawing or the excess material is to be removed during construction. Silt fence will be placed at the base of the stockpile to prevent sediment from leaving the site and to protect storm drains, wetlands and watercourses.
8. Silt fence shall be Mirafi envirofence, Amoco siltstop or equivalent as approved by the site engineer. Filter fabric used shall be Mirafi 100s or equivalent. Install silt fence according to manufacturers instruction, particularly, bury lower edge of fabric into ground (see detail).
9. Any excavations that must be dewatered will be pumped into an active drainage system or dispersed in an undisturbed field area. The inlets of all pumps are to be floated a minimum of 24 inches off the bottom of the excavation and pumped into a dirtbag.
10. Land disturbance shall be kept to a minimum. All disturbed area shall be planted in where permanent plantings are called for as soon as possible. Where permanent plantings are not called for, disturbed area should be seeded with grass seed and mulched as soon as practicable. Prepare seedbed (4" thick minimum) with topsoil. Seed, rake, roll, water and mulch areas according to mixes below. Water as often as necessary (up to 3 times per day) to establish cover. Mulch seeded areas at 1 to 2 tons/acre with salt hay. Maintain mulch and watering until grass is 3" high with 85% cover.

TEMPORARY SEED MIX:		PERMANENT SEED MIX:	
Perennial ryegrass	40 lbs/acre	Kentucky Bluegrass	20 lbs/acre
1 lb/1000 sq. ft.		Creeping Red Fescue	20 lbs/acre
		Perennial ryegrass	5 lbs/acre
TOTAL 45 lbs/acre	1lb/1000 sq. ft		

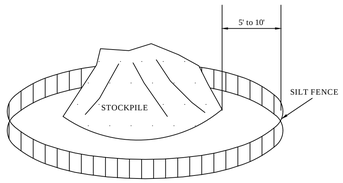
Optimum Seeding Dates: April 15 - June 15; August 15 - October 1

11. If disturbed areas cannot be seeded immediately due to the time of year, mulch area until seeding can occur; remove mulch and seed and re-mulch as the season permits.
12. Loaded trucks shall be covered as required to keep down dust.
13. Affected portions of off site roads and sidewalks must be swept clean when required to keep down dust and prevent safety hazards or at least once a week during construction.
14. Dust control to be achieved with watering down disturbed areas as required.
15. After each storm event or once weekly, all soil erosion and sediment controls will be inspected. Any corrective actions to mitigate environmental concerns will be ordered by the site engineer or environmental engineer.
16. Additional soil erosion and sediment control measures may be installed during the construction period if found necessary by the inspecting engineer or any Governing agency.
17. All permanent and temporary sediment control devices will be maintained in effective condition throughout the construction period until upland disturbed areas are thoroughly stabilized. Upon completion of work and stabilization of upland areas, all temporary sediment control devices and tree protection should be removed from the site and any silt disposed of properly.



ANTI-TRACKING APRON

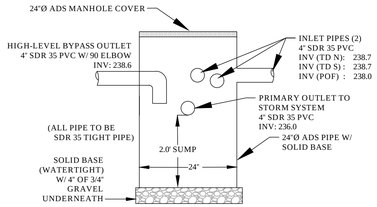
NOT TO SCALE



INSTALL SILT FENCE AT BASE

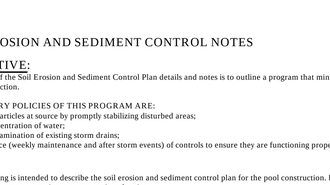
APPLY MIXTURE OF PERRENIAL RYEGRASS, ANNUAL RYEGRASS AND WINTER RYE AT A RATE OF 10# PER 1000 SQ. FT.

STOCKPILE STABILIZATION



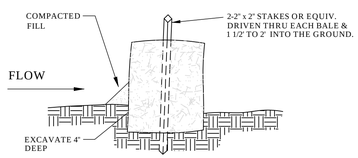
24" Ø FLOW CONTROL STRUCTURE/CLEANOUT

(NTS)



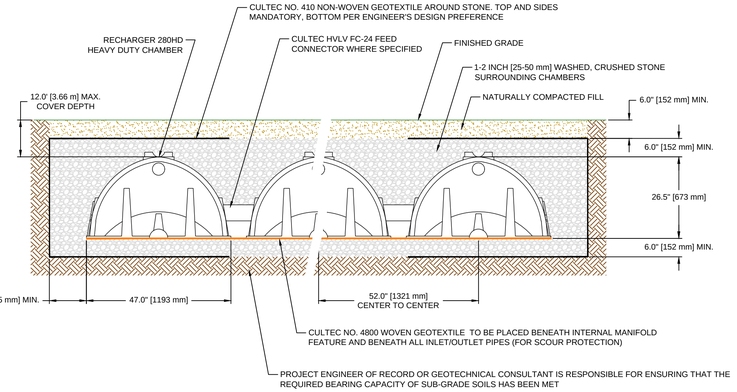
SILT FENCE

NOT TO SCALE



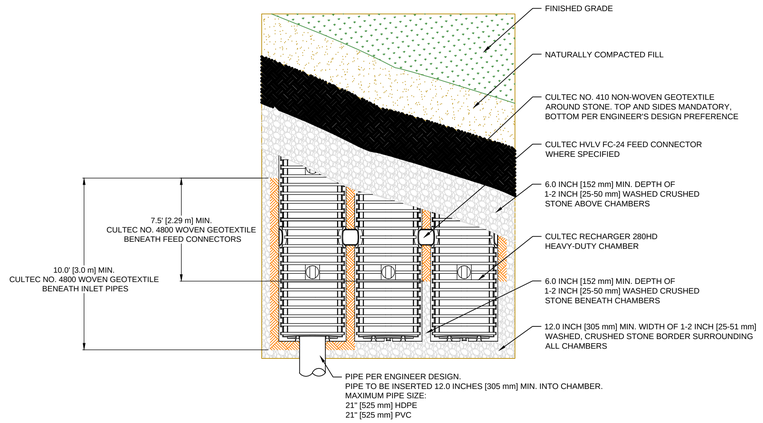
TYPICAL STRAW BALE STAKING DETAIL

(NTS)



280HD 4.0

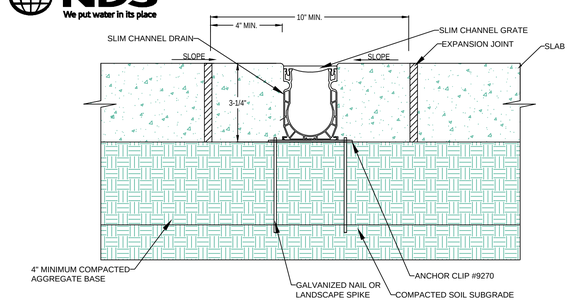
CULTEC RECHARGER 280HD HEAVY DUTY CROSS SECTION



280HD 6.0

CULTEC RECHARGER 280HD HEAVY DUTY PLAN VIEW

NDS
We put water in its place



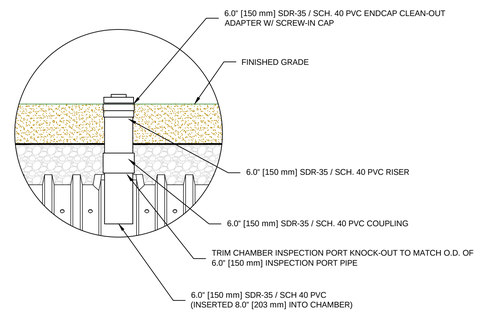
NOTES:

1. EXISTING SOILS SHOULD BE EVALUATED TO ENSURE PROPER STRUCTURAL AND PERMEABILITY PROPERTIES.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
5. RECESS CHANNEL/GRATE ¼" BELOW GROUND SURFACE.
6. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED

SLIM CHANNEL INSTALLATION

SLAB INSTALLATION

NDS TECHNICAL SERVICE AT techservice@ndspro.com, DESIGN ASSISTANCE- designworx@ndspro.com
851 N. HARVARD AVE. LINDSAY, CA 93247 WWW.NDSPRO.COM 1-800-726-1994



280HD 8.0

OPTIONAL INSPECTION PORT - ZOOM DETAIL

GENERAL DETAILS

PROPOSED POOL

PREPARED FOR

VICKY TOLA-SHELBY

#112 HILLTOP DRIVE

TRUMBULL, CONNECTICUT

			DATE:	SCALE:	DRAFTER:	JOB NUMBER:	SHEET NUMBER:
			9-3-2025	1" = 20'	ZAG	H5125	2/2
1	2/5/2026	Add Proposed Pool					
NO.	DATE	DESCRIPTION					
REVISIONS							

HC Since 1921

THE HUNTINGTON COMPANY, LLC
Consulting Engineers & Surveyors
A Division Of Shevlin Land Surveying, LLC
303 Linwood Avenue, Fairfield, CT 203.259.1091

2/2

8-5596

NOTICE: THIS PLAN IS INCOMPLETE WITHOUT SEAL OR FIXED WITH THE SIGNATURE OF THE SIGNATORY

TO THE KNOWLEDGE AND BELIEF OF THE UNDERSIGNED, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

STATE OF CONNECTICUT
No. 24913
LICENSED LAND SURVEYOR
Mark A. Ochsner

Mark A. Ochsner, L.S. #24913

ALL WORK, LABOR, AND MATERIALS TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND LAWS WHICH SHALL TAKE PRECEDENCE OVER THESE DRAWINGS IN THE EVENT OF ERRORS AND/OR OMISSIONS HEREIN.

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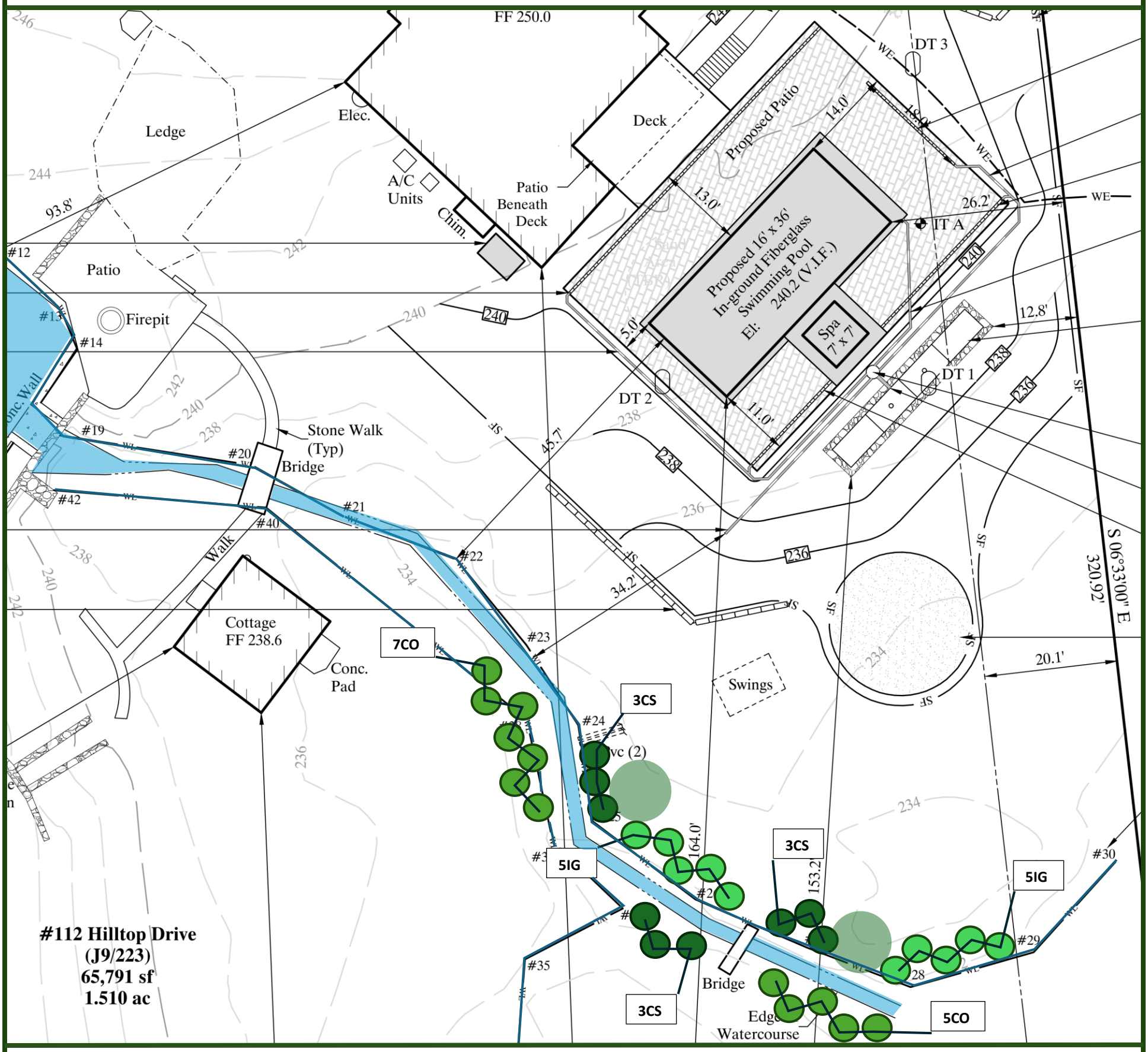
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Wetland Buffer Restoration Plan

112 Hilltop Drive, Trumbull, CT

by Aleksandra Moch, Landscape Designer, March 15, 2026



PLANTING SCHEDULE

QTY	KEY	BOTANICAL/COMMON NAME	SIZE	ROOT
10	IG	Ilex glabra 'Compacta' / Inkberry	3’-4’	Cont.
9	CS	Cornus sericea / Red osier dogwood	4’-5’	Cont.
12	CO	Cephalanthus occidentalis / Buttonbush	4’-5’	Cont.

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

Soil Report

Date: August 7, 2025
By: Steven Danzer Ph.D.

- Soil Scientist, Senior Professional Wetland Scientist, Arborist
    - Nationally certified by the Soil Science Society of America (#353463).
    - Registered with the Society of Soil Scientists of Southern New England.
    - Certified PWS #1321 by the Society of Wetland Scientists
    - Certified Arborist by the International Society of Arboriculture (ISA) NE-7409A
    - CT Licensed Arborist DEEP S-5639
- Ph.D. in Renewable Natural Resource Studies.

Project: 112 Hilltop Drive, Trumbull

INTRODUCTION

A wetlands investigation was performed at the above-referenced property to locate and identify any inland wetland soils or watercourses.

The purpose of this report is to document that the field work for the site investigation was conducted using professionally accepted methods and procedures. This report is intended for submission by the owner(s) of the property or their designated agent to the local municipal regulatory agency.

DEFINITIONS

The Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) define **inland wetlands** as land, including submerged land (except for tidal wetlands) which consist of any of the soil types designated by the National Cooperative Soil Survey as *poorly drained, very poorly drained, floodplain, or alluvial*.

Poorly drained and **very poorly drained** are soil drainage classes that are defined by specific technical criteria in the Soil Survey Manual, Ch. 3 of the USDA Natural Resources Conservation Service. Generally speaking, *poorly drained soils* are wet at shallow depths periodically during the growing season, or remain wet for long periods, while in *very poorly drained soils* water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season. **Floodplain** refers to the land bordering a stream or river that is subject to flood stage inundation, and **alluvial** refers to soil deposited by concentrated running water (Soil Survey Manual, Part 629). **Watercourses** are defined by the Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) to include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all

other bodies of water, natural or artificial, vernal or intermittent, public or private. **Intermittent watercourses** are a type of watercourse that typically do not flow year-round, and are specifically defined within the CT statutes by the presence of a defined permanent channel and bank, and the occurrence of two or more of the following characteristics:

a) Evidence of scour, or deposits of recent alluvium or detritus;
b) The presence of standing or flowing water for a duration longer than a particular storm incident;
c) The presence of hydrophytic vegetation.

Uplands are land areas that are not inland wetlands, watercourses, or subject to tides.

The **soil series** is a soil label that refers to the lowest category of the National Soil Classification System. It is used as a specification for identifying and classifying soils within a soil map unit. The descriptions are standardized by the USDA-NRCS, and contain soil properties that define and distinguish them from the other soil series.

METHODS

Wetland or watercourse boundaries present within the survey area were investigated pursuant to the definitions provided by the Connecticut General Statutes (CGS Ch. 440 Sections 22a-36 and 22a-45) as amended. All soils were sampled to a depth of at least 20 inches with spade and augur unless noted otherwise during a field investigation conducted on August 6, 2025. Soils were classified according to the nomenclature presented within the NRCS Web Soil Survey, with additional reference to the National Cooperative Soil Survey, and the local Soil Survey. The wetland boundaries were marked with flagging tape and/or stakes (Wetland Flags 1-42) and a sketch map prepared (attached).

SITE DESCRIPTION AND DISCUSSION

The roughly 1.51 acre site is located on the south/east side of Hilltop Drive in Trumbull, CT. Landuse is residential. The site is located within DEEP drainage basin 7103-01 within the Yellow Mill Channel subregional basin. Wetland resources on site included a watercourse with a small impounded section and intermittent segments, which drains southeasterly.

WETLAND AND WATERCOURSE SOIL MAPPING UNITS

(3) Ridgebury, Leicester, and Whitman soils extremely stony
The Ridgebury series consists of very deep, somewhat poorly and poorly drained soils formed in till derived mainly from granite, gneiss and schist. They are commonly shallow to a densic contact. They are nearly level to gently sloping soils in low areas in uplands. Slope ranges from 0 to 15 percent. Saturated hydraulic conductivity ranges from moderately low to high in the solum and very low to moderately low in the substratum. Mean annual temperature is about 49 degrees F. and the mean annual precipitation is about 45 inches. TAXONOMIC CLASS: Loamy, mixed, active, acid, mesic, shallow Aeric Endoaquepts

The Leicester series consists of very deep, poorly drained loamy soils formed in friable till. They are nearly level or gently sloping soils in drainageways and low-lying positions on hills. Slope ranges from 0 to 8 percent. Permeability is moderate or moderately rapid in the surface layer and subsoil and moderate to rapid in the substratum. Mean annual temperature is about 50 degrees F., and mean annual precipitation is about 47 inches. TAXONOMIC CLASS: Coarse-loamy, mixed, active, acid, mesic Aeric Endoaquepts

The Whitman series consists of very deep, very poorly drained soils formed in lodgement till derived mainly from granite, gneiss, and schist. They are shallow to a densic contact. These soils are nearly level or gently sloping soils in depressions and drainageways on uplands. Saturated hydraulic conductivity is moderately high or high in the solum and very low through moderately high in the substratum. Mean annual precipitation is about 45 inches (1143 millimeters) and mean annual temperature is about 49 degrees F. (9 degrees C.). TAXONOMIC CLASS: Loamy, mixed, superactive, acid, mesic, shallow Typic Humaquepts

UPLAND (NON WETLAND) SOIL MAPPING UNITS

(73C) Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky
The Charlton series consists of very deep, well drained loamy soils formed in till derived from parent materials that are very low in iron sulfides. They are nearly level to very steep soils on till plains and hills. Slope ranges from 0 to 50 percent. Saturated hydraulic conductivity is moderately high or high. Mean annual temperature is about 10 degrees C and mean annual precipitation is about 1194 mm. TAXONOMIC CLASS: Coarse-loamy, mixed, active, mesic Typic Dystrudepts

The Chatfield series consists of well drained and somewhat excessively drained soils formed in till derived from parent materials that are very low in iron sulfides. They are moderately deep to bedrock. They are nearly level through very steep soils on glaciated plains, hills, and ridges. Slope ranges from 0 through 70 percent. Crystalline bedrock is at depths of 20 to 40 inches (50 through 100 centimeters). Saturated hydraulic conductivity is moderately high or high in the mineral soil. Mean annual temperature is 51 degrees F (11 degrees C) and mean annual precipitation is 38 inches (1194 millimeters). TAXONOMIC CLASS: Coarse-loamy, mixed, superactive, mesic Typic Dystrudepts

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LIMITATIONS
All observations and conclusions within this report are opinion and were based upon the field conditions at time of investigation and best professional judgment. Field conditions may change over time. All wetland boundary lines established by the undersigned Soil Scientist are subject to change until officially adopted by the appropriate local, state and federal regulatory agencies.

CERTIFICATION

Signed,
Steven Danzer Ph.D., Certified Professional Soil Scientist (CPSS #353463)

112 Hilltop Drive, Trumbull



Sketch Map - not to scale
See report for methods
Steven Danzer Ph.D., Soil Scientist
Steven Danzer Ph.D. & Associates LLC
203-451-8319
www.CTWetlandsConsulting.com

0 25 50 100 Feet

N

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

Application No. 26-10
SUBMITTED
MAR 24 2026
INLAND WETLANDS C...
BY _____

SECTION I

1. Location/address of property where activity is proposed: ~~25~~ 33 BROADWAY - TRUMBULL CT 06611

   Parcel Size 0.500 A.C. Zone: A Map ID: _____ Current Use: RESIDENTIAL

2. Applicant's Name: MACHADOS PROPERTIES LLC

   Applicant's Address: 247 PARK LANE - TRUMBULL CT 06611

   Telephone: _____ Cell: (203 648 1410 Email: machadoscarpentryllc@gmail.com

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

3. Name of Property Owner of Record: MACHADOS PROPERTIES LLC - RONALDO MACHADO

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

   Address of Owner of Record: 247 PARK LANE - TRUMBULL CT 06611

   Telephone: 4753193169 Cell: (203 648 1410 Email: machadoscarpentryllc@gmail.com

   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes Veronica Ventreschi Design LLC to act as Agent on my behalf as related to this application.

   Ronaldo Machado
   (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 project is to build a single-family residence. Proposed foundation will consist of a full, unfinished basement covering the footprint of the house. Garage over slab and corresponding footing. The main structure will be a two-story, Colonial-style.

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: Veronica Ventreschi Design LLC Date: 03/23/2026
(If not the Owner)

Owner's Signature: Ronaldo Machado Date: 03/23/2026

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 0.500 a.c. Zone: A Number of Lots: 1
2. Map ID, from assessors card: E04 & 36
3. Total area existing of wetlands on property: 0 SQFT
4. Total area of Regulated area on property: 1,424 SQFT
5. Wetlands area to be disturbed: N/A ~~10,344~~
6. Upland Review area to be disturbed: N/A 10,344 sqft
7. Proposed % of wetlands on the property to be disturbed: N/A
8. Total area of proposed land disturbance: ATTACHED SITE PLAN
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:		
Shrubs:		
Grasses, weeds, etc:		
Impervious area:		

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: N/A
    c. 100 year flood evaluation: 500 YEAR FLOOD ZONE - ATTACHED SITE PLAN
13. Probable effect of proposal (if any) on vegetation and wildlife: N/A
14. Existing or proposed source(s) of water supply for the property: CITY WATER
15. Existing or proposed method of sewage disposal for the property: CITY 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: Underground drainage - cultec on regulated area
18. Proposed percent of Regulated area to be covered with impermeable surface: Attached site plan
19. Material to be (check all that applies): deposited ☐ excavated ☒ (if yes, complete the following):
    a. Area: 1,424 sqft Volume: +/- 7,000 [TO BE RE-USED ON SITE]
    b. Physical & Chemical composition of material to be deposited: N/A

AGENT AUTHORIZATION FORM

TO THE TOWN OF TRUMBULL

Property Owner's Name: Machados Properties LLC - Ronaldo Machado
Property Owner's Email: machadoscarpentryLLC@gmail.com
Property Owner's Phone Number: 2036481410
Property Address: 35 Broadway Road - Trumbull

Agent's Name: Veronica Ventreschi Design LLC
Agent's Address: 55 Merritt Blvd - Trumbull CT 06611
Agent's Contact Information: 4753193169

I, RONALDO MACHADO, authorize Veronica Ventreschi Design LLC to act as my agent for a variance application concerning the property located at 35 Broadway Road - Trumbull CT.

This includes representing me in dealings with the Planning and Zoning Department.

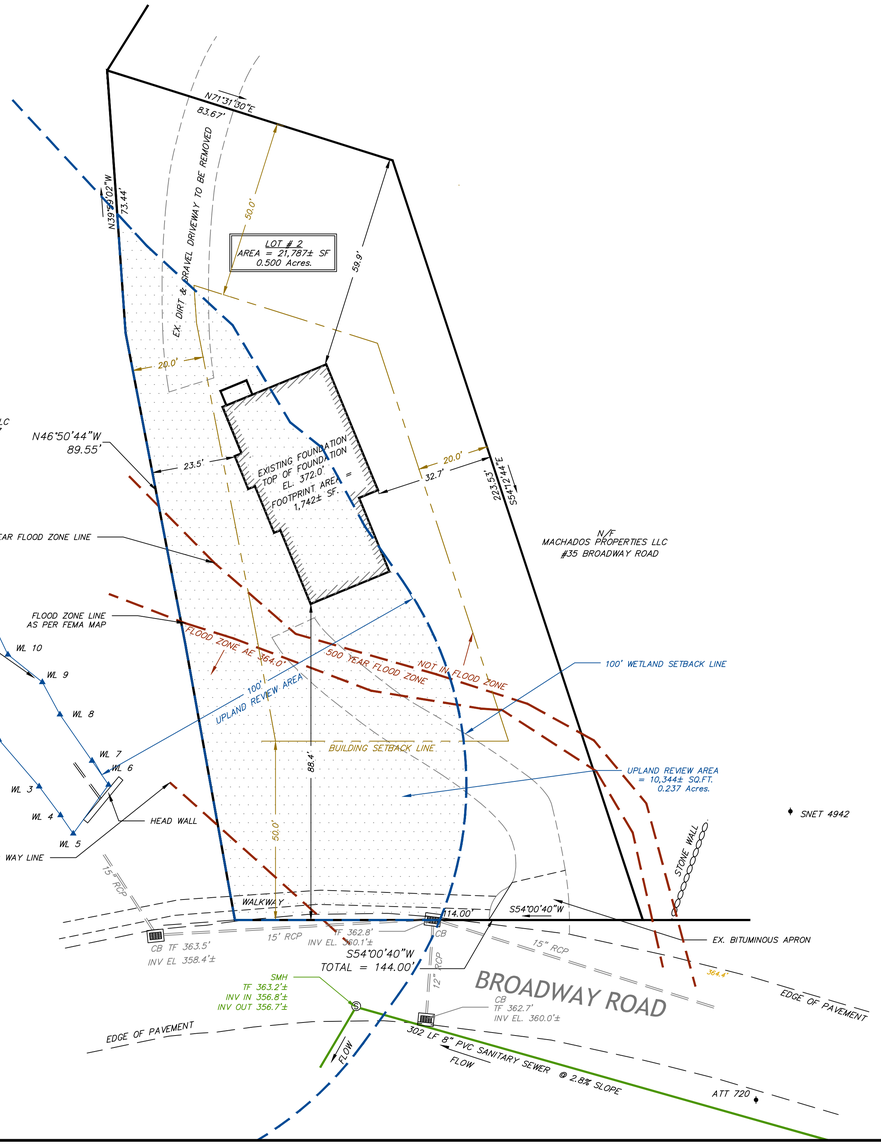
Owner's Signature: RONALDO MACHADO Date: _____

STANDARD	MINIMUM/REQUIRED MAXIMUM/ALLOWED		EXISTING CONDITIONS		PROPOSED CONDITION		FOUNDATION AS BUILT	
Minimum Lot Area (Sq. Ft.)	21,780		21,787±		21,787±		21,787±	
Minimum Lot Frontage (Ft.)	125'		114.0'		114.0'		114.0'	
Minimum Floor Area (Sq.Ft.)	1st Floor	2nd Floor	1st Floor	2nd Floor	1st Floor	2nd Floor		
1 Story	1200	---	N/A	---	N/A	---	N/A	---
1 1/2 Story	900	500	N/A	N/A	N/A	N/A	N/A	N/A
2 Story	900	800	N/A	N/A	1375	1375	U/C*	U/C
Maximum Height for a Building or Structure	40'		N/A		32'±		U/C	
Minimum Front Yard (Ft.)	50'		N/A		90.8'		88.4'	
Minimum Side Yard (Ft.)	20'		N/A		22.7'/33.1'		23.5'/32.7'	
Minimum Rear Yard (Ft.)	50'		N/A		69.1'		59.9'	
Maximum Lot Coverage	25%		0%		7.0%		U/C	
Maximum Floor Area Ratio (F.A.R)	0.29		N/A		0.13		U/C	

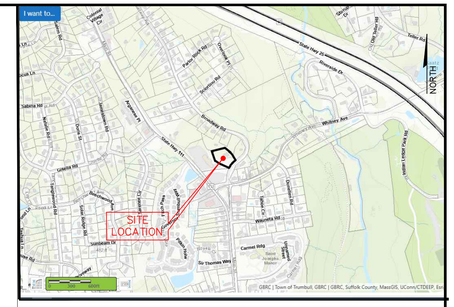
BUILDING ZONE: A

ASSESSOR'S MAP & LOT NO # E/04 / 036/ 000

* U/C = UNDER CONSTRUCTION



RECD 3.24.2026
App 26-10


I want to...
NORTH
SITE LOCATION
Tolles Rd
Old Farm Rd
Tower Rd
Indian Hill Rd
Sabrina Rd
Nichols Rd
Broadview Rd
Whitney Ave
Laurel Ln
Cypress Rd
Cypress Hill
Cypress Way
Cypress Ct
Hillcrest Rd
Hillcrest Ct
Hillcrest Ter
Sandpiper Ln
Sir Thomas Way
Cannon Way
Cannon Ridg
Cannon Ridge Rd
Cannon Ridge Ct
Cannon Ridge Terrace
Cannon Ridge Way
Cannon Ridge Circle
Cannon Ridge Drive
Cannon Ridge Lane
Cannon Ridge Court
Cannon Ridge Road



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. A DETAILED AS BUILT FROM A LICENSED SURVEYOR OF ALL DRAINAGE ITEMS' LOCATION AND ELEVATIONS WILL BE REQUIRED.
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 CT LAND SURVEYING LLC TITLED "DIVISION OF PROPERTY SURVEY PREPARED FOR MACHADOS PROPERTIES LLC", DATED APRIL 8, 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 = 0.500 ACRES

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

AREAS NEAR RETENTION SYSTEM TO BE RESTORED/MAINTAINED TO EXISTING CONTOURS

RETENTION CHAMBERS TO BE INSTALLED NO LOWER THAN ELEVATION SHOWN.

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

RECD 3/.26.2026
APP 26-10

LOCATION MAP



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.

STATE OF CONNECTICUT
WAYNE J. D'ANDREA
No. 24877
LICENSED PROFESSIONAL ENGINEER

7-11-25
date

Fairfield County Engineering LLC

REV. 12/26/25: FOOTPRINT.

RONALDO MACHADO

33 BROADWAY ROAD TRUMBULL, CONNECTICUT

DRAINAGE PLAN

CIVIL ENGINEERS

2671
project

1 OF 2
sheet

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

2671_251226Drainage

FCE Project #	2671	**Date Performed:**	7/15/25
Client:	Ronaldo Machado		
Location:	35 Broadway Road, Trumbull		
Observed by:	Wayne D'Avanzo		

Test Hole 1:

0-57"	Topsoil/ Misc Fill
57-74"	Dark Brown Loam
No Ground Water	
No Mottling	
Ledge @ 74"	

Test Hole 2:

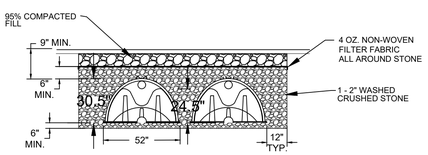
0-24"	Topsoil/ Misc Fill
24-80"	Brownish Grey Sandy Silt
No Ground Water	
No Mottling	
No Ledge	

Conducted by:	Wayne D'Avanzo		Project:	2671	
Location:	35 Broadway Road		Town:	Trumbull	
Client :	Ronaldo Machado		Date:	7/15/25	
Weather conditions prior to and during tests: Clear					
Single Lot:	X	Subdivision:			
Diameter of Hole:	8"	Depth of Hole:		24"	
PT-1				**Design**	
Pre-Soak @: 11:00 AM				**3.0"/Hr. (2.0 F**	

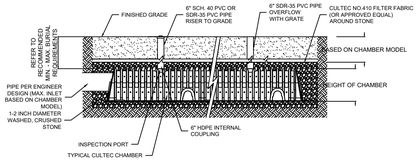
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
12:10 PM	----	4 1/2"	----	----
12:20 PM	10 Min.	8 1/2"	4"	2.5 Min.
12:30 PM	10 Min.	11 1/2"	3"	3.3 Min.
12:40 PM	10 Min.	13 3/4"	2 1/4"	4.4 Min.
12:50 PM	10 Min.	15 1/2"	1 3/4"	5.7 Min.
1:00 PM	10 Min.	17"	1 1/2"	6.7 Min.
1:10 PM	10 Min.	18"	1"	10.0 Min.

Single Lot:	X	Subdivision:		
Diameter of Hole:	8"	Depth of Hole:		23"
PT-2				**Design**
Pre-Soak @: 11:05 AM				**3.0"/Hr. (2.0 F**

Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
12:15 PM	----	5"	----	----
12:25 PM	10 Min.	8 1/2"	3 1/2"	2.9 Min.
12:35 PM	10 Min.	11 1/4"	2 3/4"	3.6 Min.
12:45 PM	10 Min.	13 1/2"	2 1/4"	4.4 Min.
12:55 PM	10 Min.	15 1/8"	1 5/8"	6.2 Min.
1:05 PM	10 Min.	16 5/8"	1 1/2"	6.7 Min.
1:15 PM	10 Min.	17 5/8"	1"	10.0 Min.

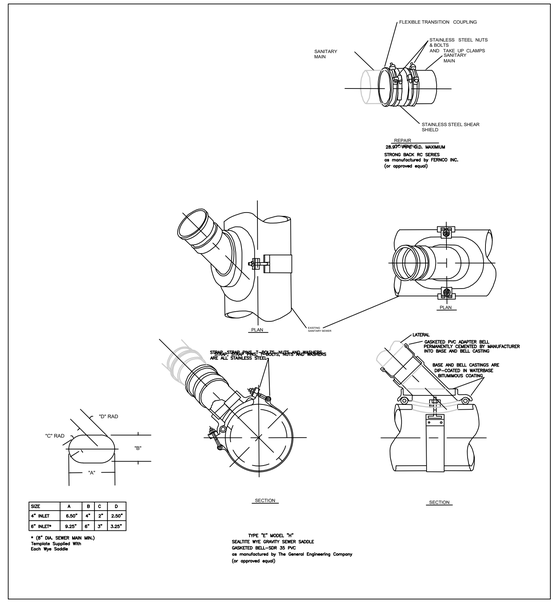


CULTEC RECHARGER 330XLHD
TYPICAL CROSS SECTION



NUMBER OF UNITS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

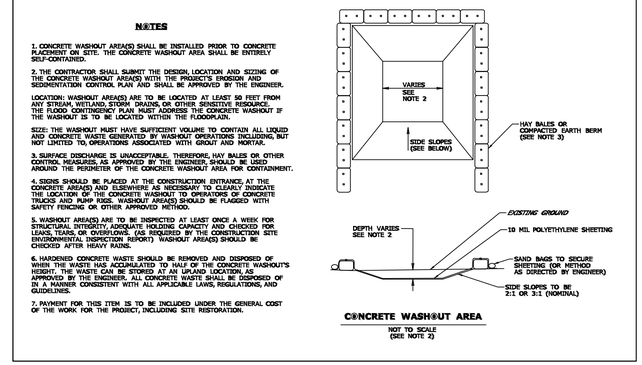
CULTEC INSPECTION PORT AND OVERFLOW
(AS APPLICABLE)



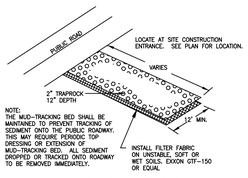
SIZE	A	B	C	D
4" INLET	6.50"	4"	3"	2.50"
6" INLET*	9.25"	6"	3"	3.25"

* (6" DIA. SCREW MAIN ONLY)
Template Supplied With Each Wye Saddle

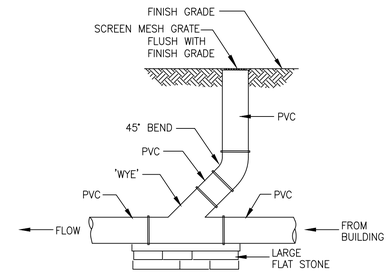
TYPE "C" MODEL "A"
SEALTITE WYE GRAVITY SEWER SADDLE GASKETED BELL-SDR 35 PVC
ee manufactured by The General Engineering Company
(or approved equal)



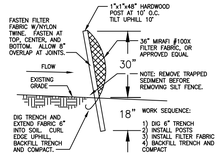
CONCRETE WASHOUT AREA
NOT TO SCALE
(SEE NOTE 7)



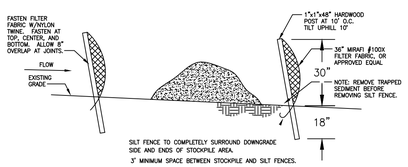
MUD-TRACKING BED
NOT TO SCALE



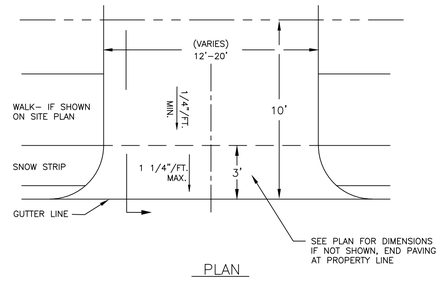
TYPICAL CLEANOUT
NOT TO SCALE



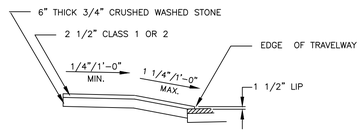
SILT FENCE
NOT TO SCALE



STOCKPILE PROTECTION
NOT TO SCALE

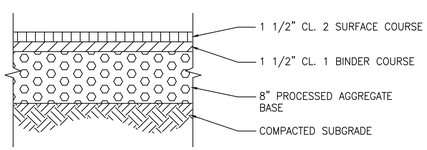


PLAN



SECTION

ASPHALT DRIVEWAY APRON
NOT TO SCALE



DRIVEWAY PAVEMENT
NOT TO SCALE

Stormwater Facilities Maintenance Plan

Machado Properties LLC

33 Broadway Road, Trumbull, CT

Scope:

The purpose of the Stormwater Facility Maintenance Plan is to ensure that the proposed stormwater components to be installed at 33 Broadway Road 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. Junction box: The maintenance of the junction box 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.

STATE OF CONNECTICUT WAYNE J. D'AVANZO No. 24877 LICENSED PROFESSIONAL ENGINEER

REV. 12/26/25: FOOTPRINT.

RONALDO MACHADO

33 BROADWAY ROAD TRUMBULL, CONNECTICUT

7-11-25 date

DETAIL SHEET

Fairfield County Engineering LLC

CIVIL ENGINEERS

2671 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

STEVEN DANZER, PHD & ASSOCIATES LLC
Wetlands & Environmental Consulting
WWW.CTWETLANDSCONSULTING.COM
203 451-8319

WETLAND BOUNDARIES • POND & LAKE MANAGEMENT • CONSTRUCTION FEASIBILITY CONSULTATIONS • ENVIRONMENTAL STUDIES

RECD
3.24.2026
APP 26-10

Soil Report

Date: March 22, 2026

By: Steven Danzer Ph.D.

- Soil Scientist, Senior Professional Wetland Scientist, Arborist
    - Nationally certified by the Soil Science Society of America (#353463).
    - Registered with the Society of Soil Scientists of Southern New England.
    - Certified PWS #1321 by the Society of Wetland Scientists
    - Certified Arborist by the International Society of Arboriculture (ISA) NE-7409A
    - CT Licensed Arborist DEEP S-5639
- Ph.D. in Renewable Natural Resource Studies.

Project: 33 Broadway, Trumbull, CT.

INTRODUCTION

A wetlands investigation was performed at the above-referenced property to locate and identify any inland wetland soils or watercourses.

The purpose of this report is to document that the field work for the site investigation was conducted using professionally accepted methods and procedures. This report is intended for submission by the owner(s) of the property or their designated agent to the local municipal regulatory agency.

DEFINITIONS

The Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) define **inland wetlands** as land, including submerged land (except for tidal wetlands) which consist of any of the soil types designated by the National Cooperative Soil Survey as *poorly drained, very poorly drained, floodplain, or alluvial.*

Poorly drained and **very poorly drained** are soil drainage classes that are defined by specific technical criteria in the Soil Survey Manual, Ch. 3 of the USDA Natural Resources Conservation Service. Generally speaking, *poorly drained soils* are wet at shallow depths periodically during the growing season, or remain wet for long periods, while in *very poorly drained soils* water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season.

Floodplain refers to the land bordering a stream or river that is subject to flood stage inundation, and **alluvial** refers to soil deposited by concentrated running water (Soil Survey Manual, Part 629). **Watercourses** are defined by the Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) to include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private. **Intermittent watercourses** are a type of watercourse that typically do not flow year-round, and are specifically defined within the CT statutes by the presence of a defined permanent channel and bank, and the occurrence of two or more of the following characteristics:

a) Evidence of scour, or deposits of recent alluvium or detritus;
b) The presence of standing or flowing water for a duration longer than a particular storm incident;
c) The presence of hydrophytic vegetation.

Uplands are land areas that are not inland wetlands, watercourses, or subject to tides.

The **soil series** is a soil label that refers to the lowest category of the National Soil Classification System. It is used as a specification for identifying and classifying soils within a soil map unit. The descriptions are standardized by the USDA-NRCS, and contain soil properties that define and distinguish them from the other soil series.

METHODS

Wetland or watercourse boundaries present within the survey area were investigated pursuant to the definitions provided by the Connecticut General Statutes (CGS Ch. 440 Sections 22a-36 and 22a-45) as amended. All soils were sampled to a depth of at least 20 inches with spade and augur unless noted otherwise during a field investigation conducted on March 21, 2026. Soils were classified according to the nomenclature presented within the NRCS Web Soil Survey, with additional reference to the National Cooperative Soil Survey, and the local Soil Survey. The wetland boundaries were marked with flagging tape and/or stakes (Wetland Flags 1-15) and a sketch map prepared (attached).

SITE DESCRIPTION AND DISCUSSION

The site is located on the west side of Broadway in Trumbull, Connecticut. The site, recently split off from 33 Broadway, is currently being developed with a foundation for a residence and grading for a driveway. The site is located within the DEEP Basin 7105-05, within the Pequonnock River subregional watershed as per the DEEP map. **Wetland resources were located offsite, to the south,** and consisted of a tributary watercourse to the Pequonnock River.

WETLAND AND WATERCOURSE SOIL MAPPING UNITS

(109) Fluvaquents-Udifluvents complex
Fluvaquents are poorly drained or very poorly drained wetland soils that underlie watercourses.

Udifluvents are floodplain or alluvial soils that underlie or are adjacent to watercourses.

UPLAND (NON WETLAND) SOIL MAPPING UNITS

(306) Udorthents-Urban land complex

LIMITATIONS

All observations and conclusions within this report are opinion and were based upon the field conditions at time of investigation and best professional judgment. Field conditions may change over time. All wetland boundary lines established by the undersigned Soil Scientist are subject to change until officially adopted by the appropriate local, state and federal regulatory agencies.

CERTIFICATION

Signed,

Steven Danzer Ph.D., Certified Professional Soil Scientist (CPSS #353463)

CPSS
Certified Professional Soil Scientist

33 Broadway, Trumbull



Sketch Map - not to scale
See report for methods
Steven Danzer Ph.D., Soil Scientist
Steven Danzer Ph.D. & Associates LLC
203-451-8319
www.CTWetlandsConsulting.com

0 25 50 100 Feet

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