



Incorporated 1787

Conservation Commission

INLAND WETLANDS AND WATERCOURSES APPLICATION

This Application is for a five-year permit to conduct a regulated activity or activities pursuant to the Inland Wetlands and Watercourses Regulations of the Town of Weston ("The Regulations")

PROPERTY ADDRESS: 35 Steep Hill Road

Assessor's Map # 35 **Block #** 5 **Lot #** 8

PROJECT DESCRIPTION (*general purpose*) Reconfigure the parking area of the driveway and
install the storm water management system. The work had been partially implemented.

Total Acres 2.74 Total Acres of Wetlands and Watercourses ~1,26ac

Acreage of Wetlands and Watercourses Altered 0 Upland Area Altered 0.09ac

Acres Linear Feet of Stream Alteration 0 Total Acres Proposed Open Space 0

OWNER(S) OF RECORD: (*Please list all owners, attach extra sheet if necessary*)

Name: Maria & Robert Kemery Phone: 610 389 3037

Address: 35 Steep Hill Road, Weston, CT 06883

Email: mariakemery@gmail.com

APPLICANT/AUTHORIZED AGENT:

Name: Aleksandra Moch Phone: 203 550 9373

Address: 44 Lewelyn Road, Stamford, CT 06902

Email: aleksandra_moch@yahoo.com

CONSULTANTS: (*Please provide, if applicable*)

Engineer: Fairfield County Engineering, LLC Phone: 203 866 2058

Address: 60 Winfield St, Norwalk, CT 06855 Email: wayne@fairfieldce.com

Soil Scientist: Aleksandra Moch Phone: 203 550 9373

Address: 44 Lewelyn Road, Stamford, CT 06902 Email: aleksandra_moch@yahoo.com

Legal Counsel: _____ Phone: _____

Address: _____ Email: _____

Surveyor: _____ Phone: _____

Address: _____ Email: _____

PROPERTY INFORMATION

Property Address: 35 Steep Hill Road

Existing Conditions (Describe existing property and structures): Single-family residence with a driveway and a shed. The area is mostly wooded with a small clearing around the residence.

Provide a detailed description and purpose of proposed activity (attach sheet with additional information if needed): The expansion of the driveway parking area was needed to accommodate the vehicular traffic and making it easier to turn vehicles around.

Is this property within a subdivision (circle): Yes or **No**
Square feet of proposed impervious surfaces (roads, buildings, parking, etc.): -595 sf

Subject property to be affected by proposed activity contains:

- | | |
|--|---|
| <input checked="" type="checkbox"/> wetlands soils | <input type="checkbox"/> bog |
| <input checked="" type="checkbox"/> swamp | <input type="checkbox"/> lake or pond |
| <input type="checkbox"/> floodplain | <input checked="" type="checkbox"/> stream or river |
| <input checked="" type="checkbox"/> marsh | <input type="checkbox"/> other _____ |

The proposed activity will involve the following within wetlands, watercourse, and/or review area:

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Alteration | <input checked="" type="checkbox"/> Construction | <input type="checkbox"/> Pollution |
| <input type="checkbox"/> Discharge to | <input checked="" type="checkbox"/> Discharge from | <input type="checkbox"/> Bridge or Culvert |
| <input checked="" type="checkbox"/> Removal of Materials | <input type="checkbox"/> Deposition of Materials | <input type="checkbox"/> Other _____ |

Amount, type, and location of materials to be removed, deposited, or stockpiled:
Soil was excavated to enlarge the driveway parking area. Stone was brought to build the retaining wall along the edge.

Description, work sequence, and duration of activities:

1. Excavate for driveway modification (done), 2. Install an in-ground infiltration system.
3. Repave the driveway. 4. Final grading and stabilization by the restoration of the vegetative cover.

Describe alternatives considered and why the proposal described herein was chosen:
The area is close to the wetland and ledge. No other options exist.

Does the proposed activity involve the installation and/or repair of an existing septic system(s) (circle): Yes or **No**

The Westport/Weston Health District Approval: not required

ADJOINING MUNICIPALITIES AND NOTICE:

If any of the situations below apply, the applicant is required to give written notice of his/her application to the Inland Wetlands Agency of the adjoining municipality, on the same day that he/she submits this application. Notification must be sent by Certified Mail with Return Receipt Requested.

The property is located within 500 feet of any town boundary line;

A significant portion of the traffic to the completed project will use streets within the adjoining municipality to enter or exit the site;

A portion of the water drainage from the project site will flow through and significantly impact the sewage system or drainage systems within the adjoining municipality; or

Water runoff from the improved site will impact streets or other municipal or private property within the adjoining municipality

AQUARION WATER COMPANY

Pursuant to Section 8.4 of the Weston regulations, the Aquarion Water Company must be notified of any regulated activity proposed within its watersheds. Maps showing approximate watershed boundaries are available at the office of the Commission. If the project site lies within these boundaries, send notice, site plan, and grading and erosion control plan via certified mail, return receipt requested, within seven (7) days of submitting application to the Commission, to:

George S. Logan, Director – Environmental Management
Aquarion Water Company
714 Black Rock Turnpike
Easton, CT 06612

The Commissioner of the Connecticut Department of Public Health must also be notified in the same manner in a format prescribed by that commissioner.

The undersigned, as owner(s) of the property, hereby consents to necessary and proper inspections of the above mentioned property by Commissioners and agents of the Conservation Commission, Town of Weston, at reasonable times, both before and after a final decision has been issued by the Commission.

The undersigned hereby acknowledges to have read the "Application Requirements and Procedures" in completing this application.

The undersigned hereby certifies that the information provided in this application, including its supporting documentation is true and he/she is aware of the penalties provided in Section 22a-376 of the Connecticut General Statutes for knowingly providing false or misleading information.

Signature of Owner(s) of Record

Date



Signature of Authorized Agent

8/20/2024

Date

FOR OFFICE USE ONLY

Administrative Approval

Initials

Date

**TOWN OF WESTON
INLAND WETLANDS AND WATERCOURSE AREA
APPLICATION REQUIREMENTS AND PROCEDURES**

In addition to the application form for permission to conduct a regulated activity within inland wetlands and watercourse area, applicants must submit the following information in accordance to scheduled submittal date. An incomplete application may result in a delay:

1. A signed letter of permission from the Owner of Record.
2. Fee in accordance to the Conservation Commission fee schedule.
3. Nine (9) collated copies of the following:
 - Completed Inland Wetland and Watercourses Application
 - Two (2) 24" x 36" Original and Seven (7) 24" x 36" Copies of the following
 - A-2 Survey map and/or site plan of at least 1" = 40'
 - Title of project
 - Name, signature, and Connecticut license professional seal(s).
 - Date map prepared, date of most recent revision, and brief description of revision.
 - Show locations of wetlands boundary, watercourses (with direction of flow, water depth, and bottom characteristics) and other pertinent features and structures such as rock ledges, stonewalls, utility lines.
 - Show location and extent of proposed activities including material and soil stockpiles, erosion and sedimentation controls, ingress and egress patterns.
 - Indicate in acres or square feet of wetlands/watercourse disturbance.
 - North arrow, Scale Bar, Legend, Property lines.
 - Edge of 100' Upland Review Area.
 - Existing and Proposed Conditions, Grading and Drainage Location
 - Double Silt fence detail (slit fence/hay bale/slit fence) configuration.
 - Construction Sequence.
 - Contour lines – 2 foot intervals.
 - Topographic (*This area may be enlarged for certain activities on/or above steep slopes or other physical conditions that may adversely impact wetlands*).
 - Drainage report prepared by a professional engineer registered in the State of Connecticut.
4. One electronic copy of all submitted materials emailed to conservationplanner@westonct.gov
5. Westport/ Weston Health District Approval, including a copy of the septic plan or B100 plan stamped and signed by the Health Department (*if applicable*).
6. If a Soil Scientist is involved, his/her name, written report, and field sketch.
7. List of names and addresses of adjacent property owners and abutters, include addressed and stamped business envelopes.
8. Proof of certified mailings to Aquarion Water Company and adjoining municipalities, *if applicable*.
9. All deeds, conservation easements, or restrictions associated with the property.
10. Location of the 100 year flood line, *if applicable*.
11. Tree removal plan of all trees greater than 12" in diameter.
12. Diagrams of alternatives considered.
13. Completed Part II of the DEEP Statewide Inland Wetlands & Watercourses Activity Reporting Form.

35 STEEP HILL ROAD — DRIVEWAY RECONFIGURATION AND DRAINAGE

PROJECT NARRATIVES

The property is located on the southern side of Steep Hill Road, approximately 200 feet west from Farrell Road. This 2.74 acre site supports a single-family residence with a driveway and a shed. Due to the extensive wetland/watercourse area, the recreational space is limited to a small lawn located in the rear of the residence. The majority of this site is maintained in its natural wooded state.

The site supports a variety of the wetland/watercourse environments. Perennial stream cuts through red maple swamp interrupted with small openings in tree canopy supporting marsh settings. The size and the diversity of the plant cover makes this wetland/watercourse corridor an important habitat not only for wetland dependent, but also terrestrial wildlife species.

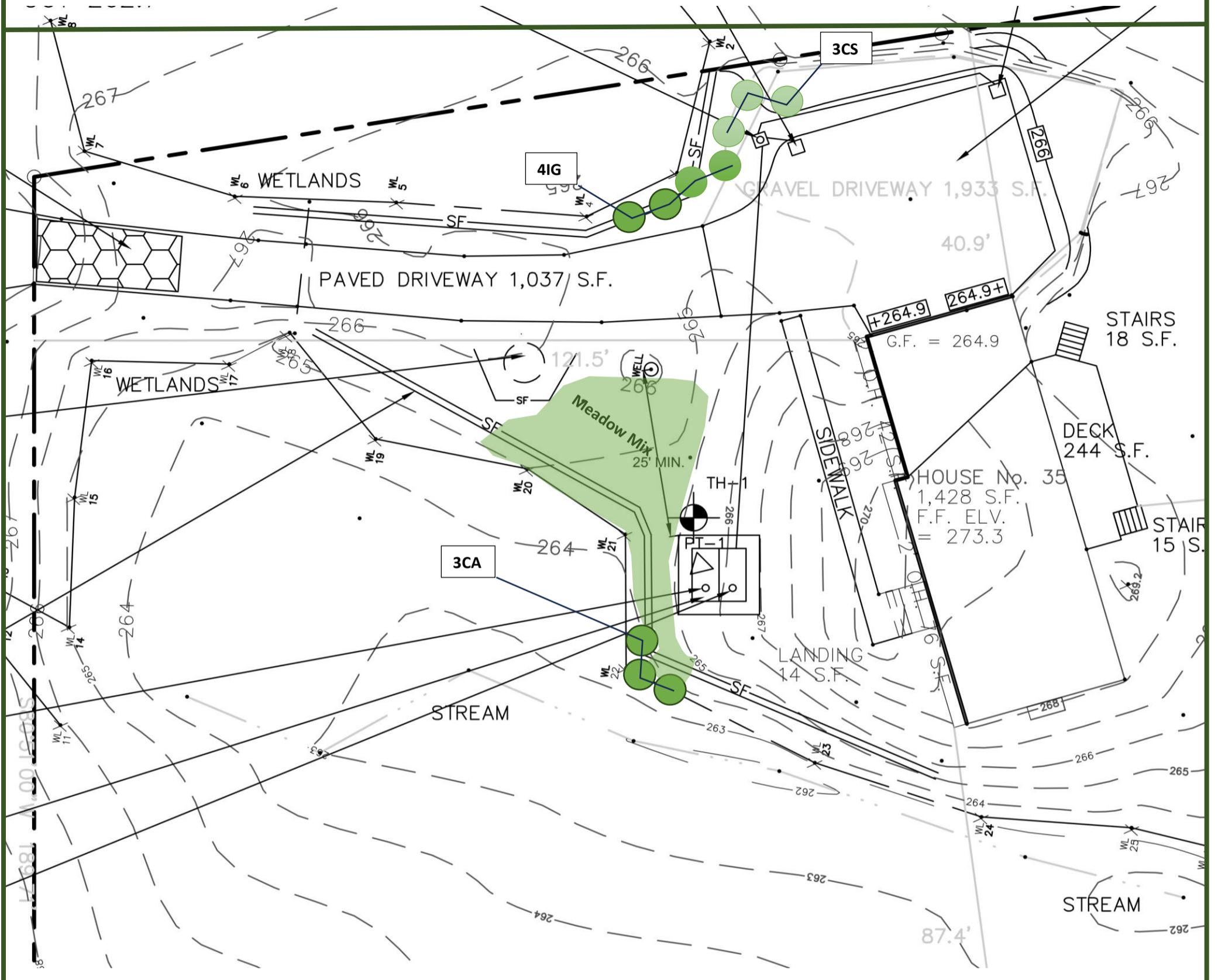
The proposed activities had been started without a permit. Once advised by the Environmental Planner, the owner had ceased the work and made an effort to prepare an application to authorize the activities. The scope of the original project included expansion of the parking area of the driveway and construction of a dry stone retaining wall. The performed excavation had brought soil disturbance close to the wetland's edge. To accommodate driveway runoff, two PVC pipes were installed at the edge of the stream.

After a consultation with Fairfield County Engineering, LLC, the owner had decided to make the parking area smaller and shaped it to allow for easier vehicular maneuver. In result, the proposed parking area will decrease the area of the original impervious surface of the driveway by 595sf. In addition, no wall will be build, but the edges of the excavated area will be sloped towards the parking. The two PVC drainage pipes will be removed and replaced with professionally sized in-ground infiltration units. The disturbed by pipes area will receive topsoil and seeds of native meadow mix. Three native shrubs will be planted along the river's edge to provide shade and anchor the banks with deep root system. The disturbed edge of the wetland located near the parking area will be also planted with native shrubs to create buffer.

WETLAND/WATERCOURSE BUFFER RESTORATION PLAN

35 STEEP HILL ROAD, WESTON, CT

BY ALEKSANDRA MOCH, LANDSCAPE DESIGNER, AUGUST 20, 2024



PLANTING SCHEDULE

QTY	KEY	BOTANICAL/COMMON NAME	SIZE	ROOT
4	IG	<i>Ilex glabra</i> 'Compacta' / Inkberry	3'-4'	Cont.
3	CS	<i>Cornus sericea</i> / Red osier dogwood	3'-4'	Cont.
3	CA	<i>Clethra alnifolia</i> / Sweet pepperbush	3'-4'	Cont.

New England Wetmix (Wetland Seed Mix): <https://newp.com/wp-content/uploads/2018/04/WETMIX2018.pdf>

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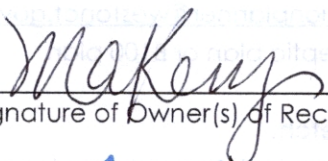
George S. Logan, Director – Environmental Management
Aquarion Water Company
714 Black Rock Turnpike
Easton, CT 06612

The Commissioner of the Connecticut Department of Public Health must also be notified in the same manner in a format prescribed by that commissioner.

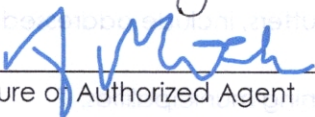
The undersigned, as owner(s) of the property, hereby consents to necessary and proper inspections of the above mentioned property by Commissioners and agents of the Conservation Commission, Town of Weston, at reasonable times, both before and after a final decision has been issued by the Commission.

The undersigned hereby acknowledges to have read the "Application Requirements and Procedures" in completing this application.

The undersigned hereby certifies that the information provided in this application, including its supporting documentation is true and he/she is aware of the penalties provided in Section 22a-376 of the Connecticut General Statutes for knowingly providing false or misleading information.


Signature of Owner(s) of Record

8-21-24
Date


Signature of Authorized Agent

8/20/2024
Date

FOR OFFICE USE ONLY

Administrative Approval

Initials

Date



Doc ID: 001768830002 Type: LAN

BK 666 PG 436-437

2/67

RECORD & RETURN TO:
John Bove, Esq.
6 Little Way
Norwalk, CT 06855

EXECUTOR'S DEED- STATUTORY FORM

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME, KNOW YE THAT **Susan T. Haven, duly qualified and authorized Executrix of the last will and testament of Lillyan J. Troxell AKA Jacqueline T. Troxell**, late of Weston, Connecticut, for consideration of **SEVEN HUNDRED THIRTY-FIVE THOUSAND & 00/100 DOLLARS (\$735,000.00)**, grants to **Maria Kemery and Robert Kemery**, of Weston, Connecticut, as joint tenants with right of survivorship with EXECUTOR'S COVENANTS:

All that certain piece or parcel of land, with the building and improvements thereon, situated in the Town of Weston, County of Fairfield and State of Connecticut known and designated as Lot Numbered 5 on a certain map entitled, "Revised Map Prepared for the Est. of Elizabeth Strong, dec'd, Weston, Conn., November, 1955, Scale 1" = 100' James A. Farrell, Trustee" certified substantially correct, W. J. Wood, Jr., Civil Engineer and Surveyor, and filed for record December 2, 1955, as Map No. 1080, in the Weston Town Clerk's Office, more particularly bounded and described as follows:

- NORTHWESTERLY: by Steep Hill Road, as shown on said map, 189.71 feet;
- NORTHEASTERLY: by Lot Numbered 4, as shown on said map, 438 feet, more or less;
- SOUTHERLY: by Lot Numbered 6, as shown on said map, 346.94 feet;
- SOUTHWESTERLY: by land now or formerly of Carrie L. Bradley, as shown on said map; 225 feet, more or less;
- NORTHWESTERLY again: by land now or formerly of Jennie Barlow, as shown on said map, 150 feet;
- SOUTHWESTERLY again: by land now or formerly of Jennie Barlow, as shown on said map, 236 feet, more or less.

Said premises are being conveyed subject to the following:

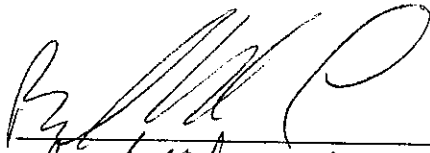
1. Real estate taxes on the list of October 1, 2022, hereinafter due and payable, which Grantee hereby agree to assume.
2. Easement in favor of The Connecticut Light and Power Company dated October 6, 1956 and recorded in Volume 53 at Page 234 of the Weston Land Records.
3. Restrictive covenants and agreements as set forth in a Trustee's Deed dated January 23, 1961 and recorded in Volume 57 at Page 558 of the Weston Land Records.
4. Rights of others in and to any brooks, streams and ponds ~~flowing~~ through or forming a part of the premises.

[Signature]
TOWN OF WESTON TAX \$ 1837.50
CONVEYANCE TAX RECEIVED
STATE OF CT TAX \$ 5512.50

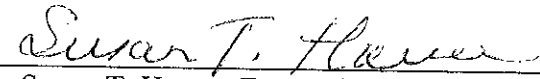
5. Brook shown on Map No. 1080.

IN WITNESS WHEREOF, the Grantor has caused these presents to be executed on this 27th day of June, 2023.

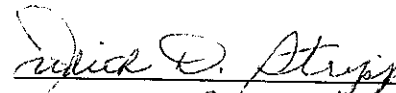
Estate of Lillyan J. Troxell aka Jacqueline T. Troxell



Brad M. Aron -witness



By: Susan T. Haven, Executrix




Judith D. Stripp -witness

STATE OF CONNECTICUT

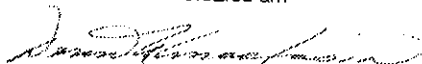
COUNTY OF FAIRFIELD

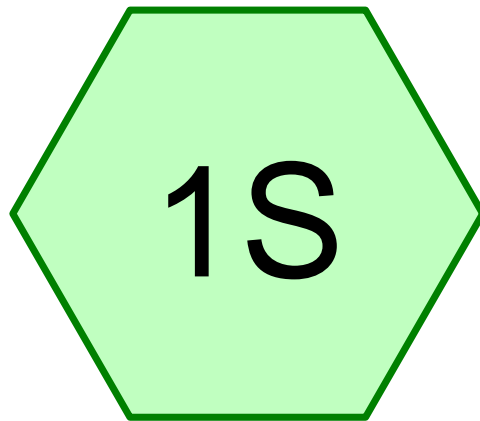
}
} ss. Westport
}

Personally appeared, Susan T. Haven, Executrix of the Estate of Lillyan J. Troxell aka Jacqueline T. Troxell, signer and sealer of the foregoing instrument, and acknowledged the same to be her free act and deed, before me.

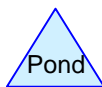
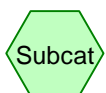


Commissioner of the Superior Court
Brad M. Aron





Existing Conditions



Routing Diagram for 2431Existing
Prepared by Fairfield County Engineering LLC, Printed 8/2/2024
HydroCAD® 10.00-26 s/n 06020 © 2020 HydroCAD Software Solutions LLC

Summary for Subcatchment 1S: Existing Conditions

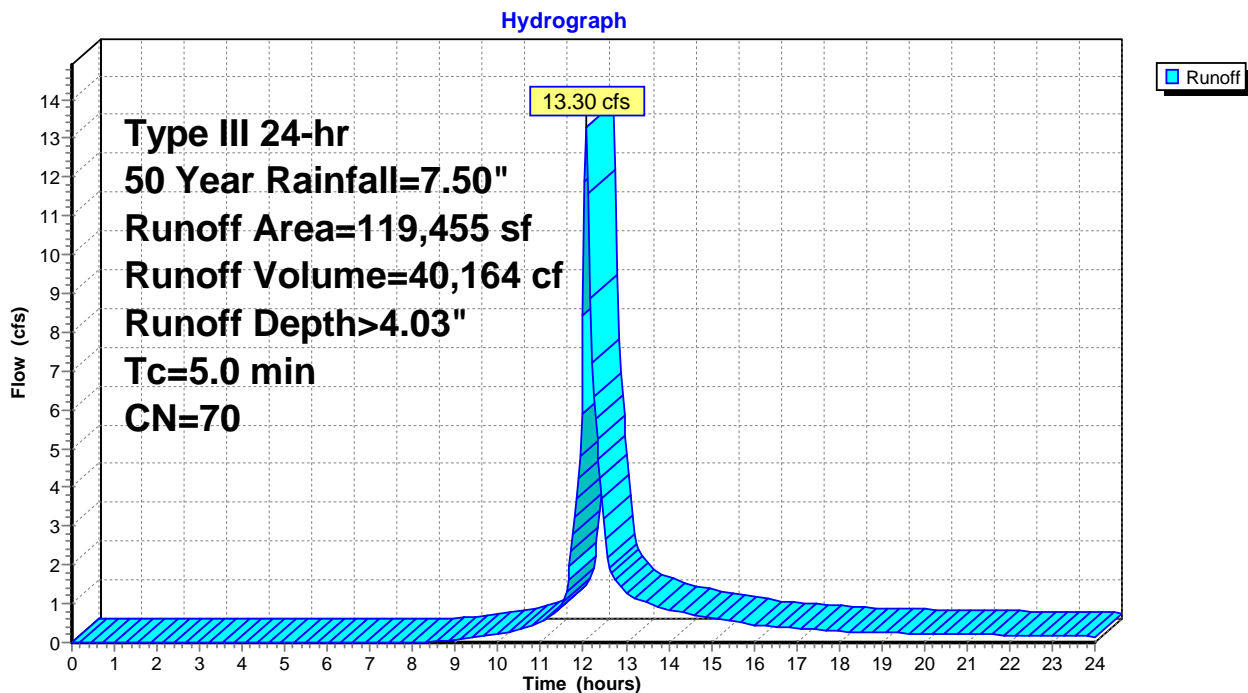
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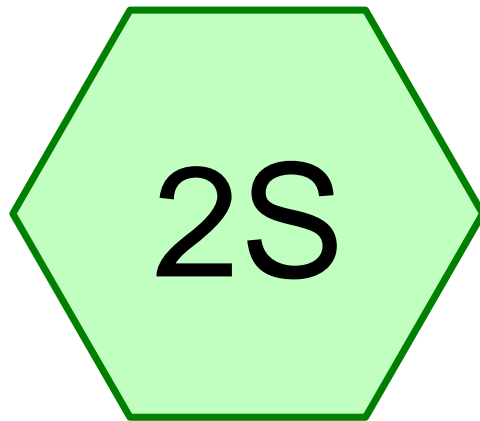
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
Type III 24-hr 50 Year Rainfall=7.50"

	Area (sf)	CN	Description
*	1,428	98	House
*	1,037	98	Driveway
*	1,933	85	Gravel Driveway
*	277	85	Deck
*	163	98	Sidewalk
	114,617	69	50-75% Grass cover, Fair, HSG B
	119,455	70	Weighted Average
	116,827		97.80% Pervious Area
	2,628		2.20% Impervious Area

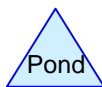
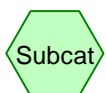
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Subcatchment 1S: Existing Conditions





Proposed Conditions



Routing Diagram for 2431Proposed
Prepared by Fairfield County Engineering LLC, Printed 8/2/2024
HydroCAD® 10.00-26 s/n 06020 © 2020 HydroCAD Software Solutions LLC

Summary for Subcatchment 2S: Proposed Conditions

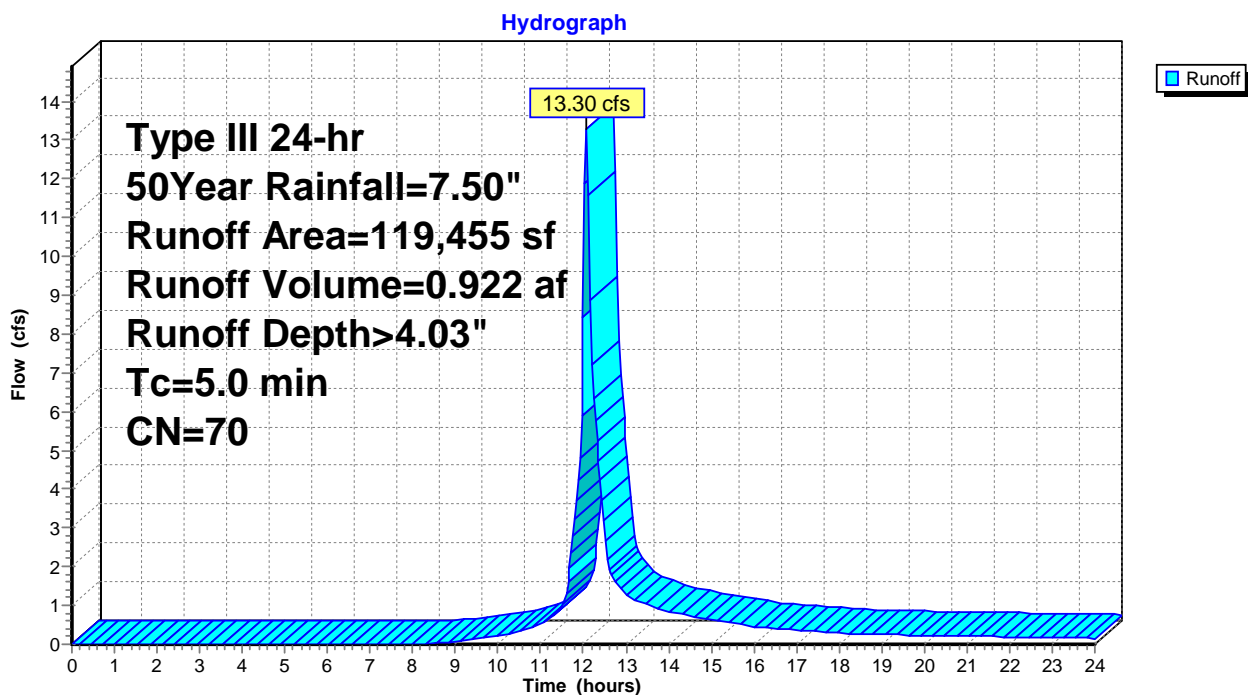
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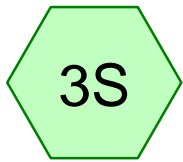
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
Type III 24-hr 50Year Rainfall=7.50"

	Area (sf)	CN	Description
*	1,428	98	House
*	2,375	98	Driveway
*	277	85	Deck
*	163	98	Sidewalk
	115,212	69	50-75% Grass cover, Fair, HSG B
	119,455	70	Weighted Average
	115,489		96.68% Pervious Area
	3,966		3.32% Impervious Area

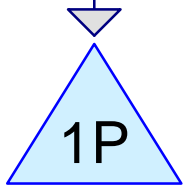
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Subcatchment 2S: Proposed Conditions

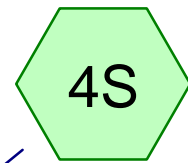




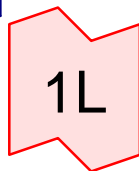
Areas Routed to Retention



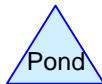
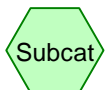
Cultrec R-330LHD



Areas not Routed to Retention



Combined Hydrograph



Routing Diagram for 2431Combined
Prepared by Fairfield County Engineering LLC, Printed 8/2/2024
HydroCAD® 10.00-26 s/n 06020 © 2020 HydroCAD Software Solutions LLC

Summary for Subcatchment 3S: Areas Routed to Retention

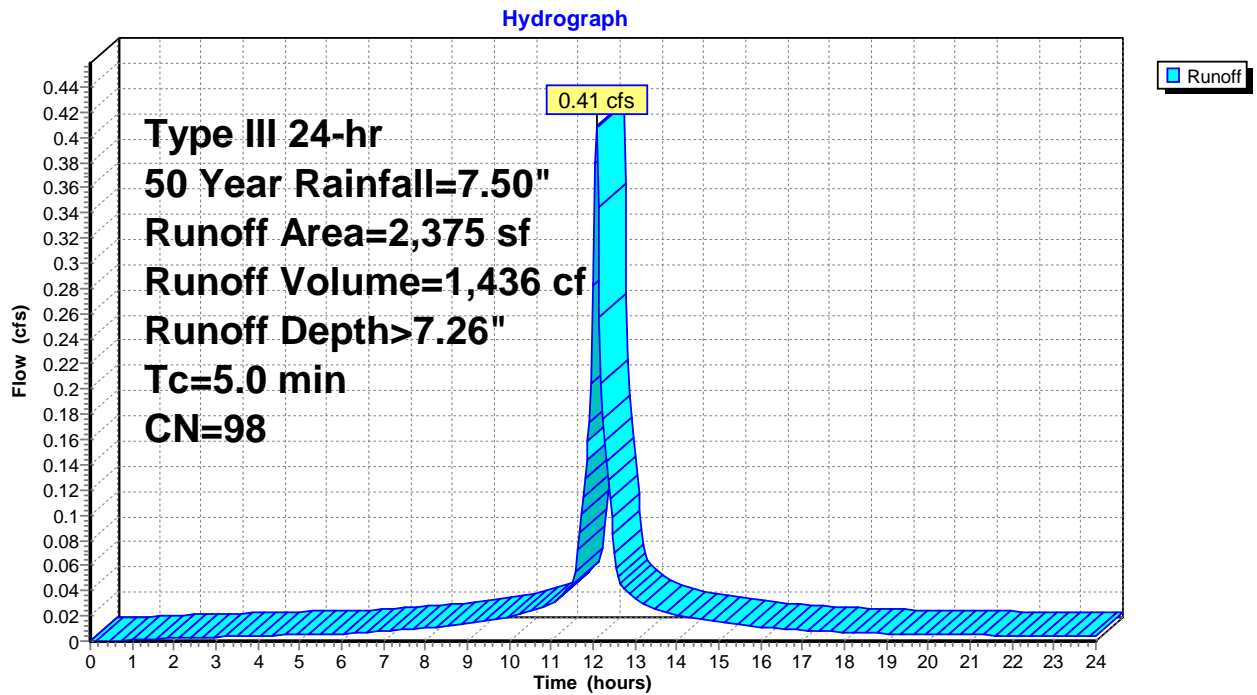
Runoff = 0.41 cfs @ 12.07 hrs, Volume= 1,436 cf, Depth> 7.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Type III 24-hr 50 Year Rainfall=7.50"

Area (sf)	CN	Description
* 2,375	98	Driveway
2,375		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Subcatchment 3S: Areas Routed to Retention



Summary for Subcatchment 4S: Areas not Routed to Retention

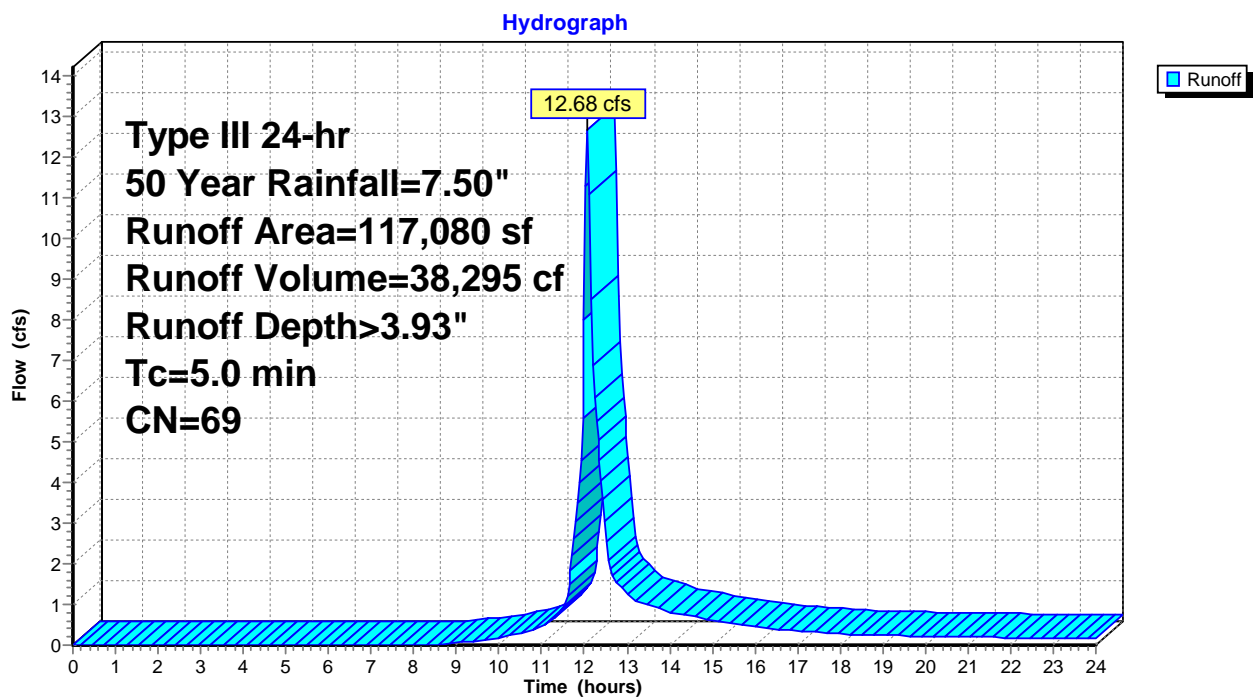
Runoff = 12.68 cfs @ 12.08 hrs, Volume= 38,295 cf, Depth> 3.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Type III 24-hr 50 Year Rainfall=7.50"

	Area (sf)	CN	Description
*	1,428	98	House
*	277	85	Deck
*	163	98	Sidewalk
	115,212	69	50-75% Grass cover, Fair, HSG B
	117,080	69	Weighted Average
	115,489		98.64% Pervious Area
	1,591		1.36% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0					Direct Entry, Direct

Subcatchment 4S: Areas not Routed to Retention



Summary for Pond 1P: Cultrec R-330LHD

Inflow Area = 2,375 sf, 100.00% Impervious, Inflow Depth > 7.26" for 50 Year event
 Inflow = 0.41 cfs @ 12.07 hrs, Volume= 1,436 cf
 Outflow = 0.45 cfs @ 12.08 hrs, Volume= 1,214 cf, Atten= 0%, Lag= 0.3 min
 Discarded = 0.01 cfs @ 5.52 hrs, Volume= 422 cf
 Primary = 0.44 cfs @ 12.08 hrs, Volume= 792 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs
 Peak Elev= 2.76' @ 12.08 hrs Surf.Area= 158 sf Storage= 237 cf

Plug-Flow detention time= 99.8 min calculated for 1,212 cf (84% of inflow)
 Center-of-Mass det. time= 33.9 min (774.6 - 740.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	0.00'	110 cf	12.67'W x 12.50'L x 2.54'H Field A 402 cf Overall - 127 cf Embedded = 276 cf x 40.0% Voids
#2A	0.00'	127 cf	Cultec R-330XLHD x 2 Inside #1 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap Row Length Adjustment= +1.50' x 7.45 sf x 2 rows
		237 cf	Total Available Storage

Storage Group A created with Chamber Wizard

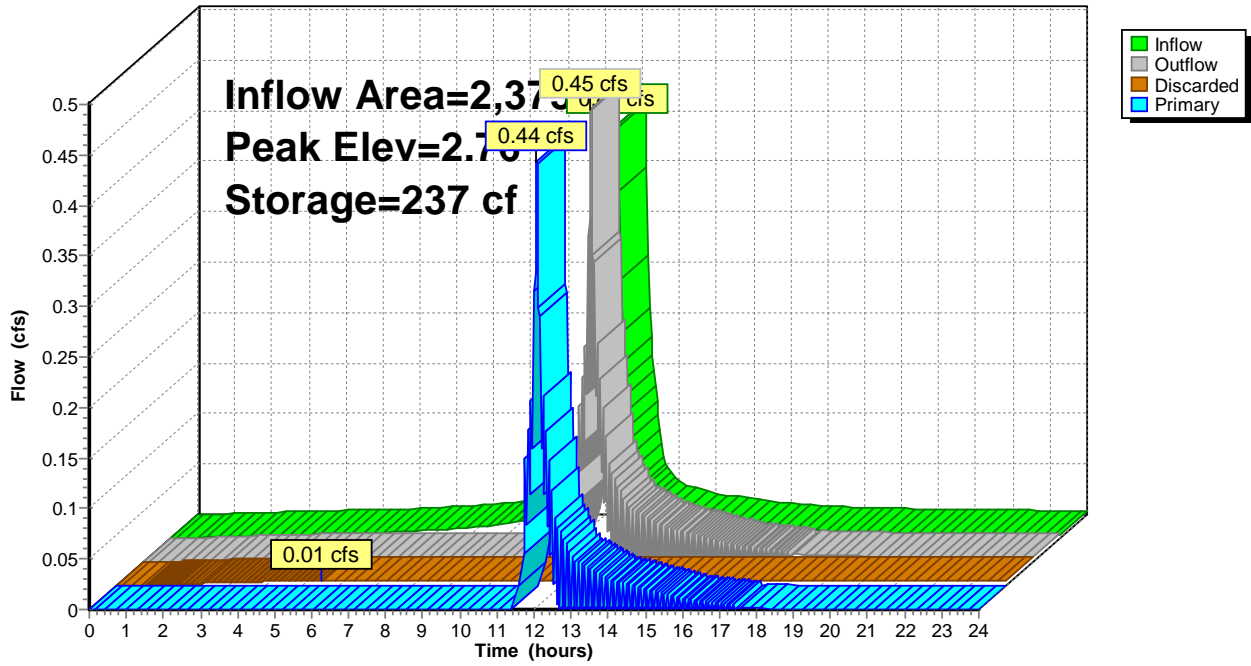
Device	Routing	Invert	Outlet Devices
#1	Primary	2.54'	6.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#2	Discarded	0.00'	1.500 in/hr Exfiltration over Horizontal area

Discarded OutFlow Max=0.01 cfs @ 5.52 hrs HW=0.03' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.44 cfs @ 12.08 hrs HW=2.75' (Free Discharge)
 ↑**1=Orifice/Grate** (Orifice Controls 0.44 cfs @ 2.23 fps)

Pond 1P: Cultrec R-330LHD

Hydrograph

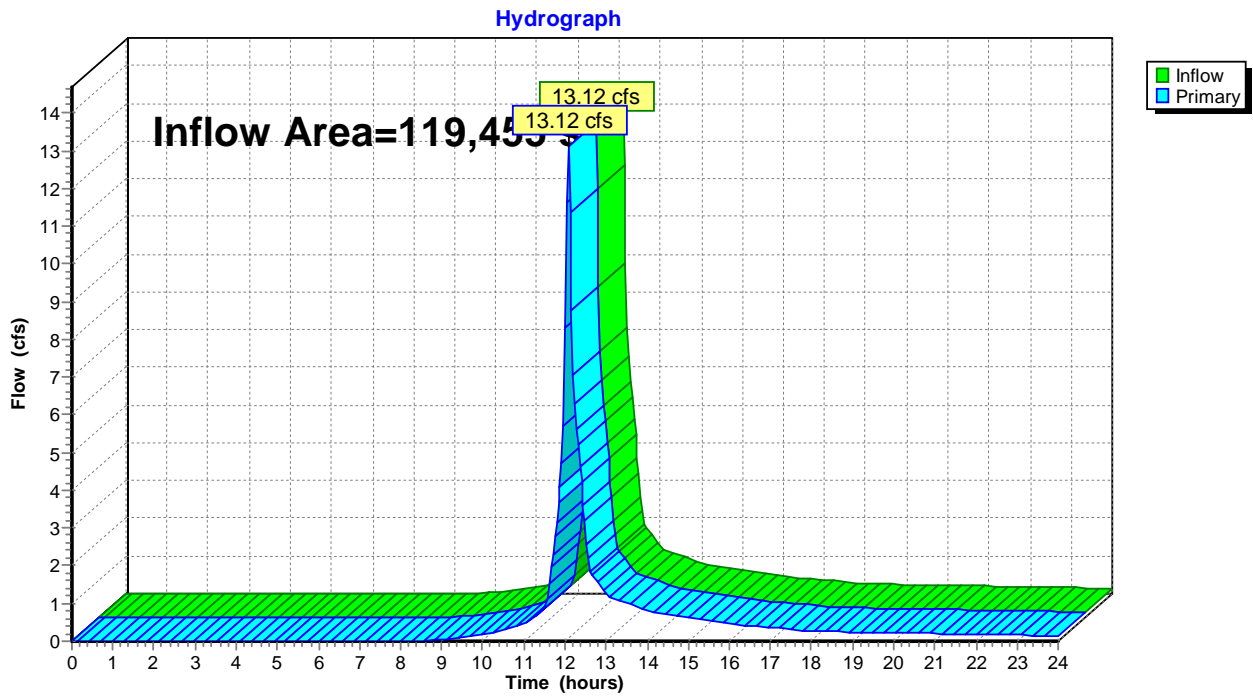


Summary for Link 1L: Combined Hydrograph

Inflow Area = 119,455 sf, 3.32% Impervious, Inflow Depth > 3.93" for 50 Year event
Inflow = 13.12 cfs @ 12.08 hrs, Volume= 39,088 cf
Primary = 13.12 cfs @ 12.08 hrs, Volume= 39,088 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

Link 1L: Combined Hydrograph



23 5 54
TANNENBAUM JACQUELINE
17 STEEP HILL ROAD
WESTON CT 06883

23 4 4+5
DEVERMANN JOSEPH HENRY &
3 SALEM ROAD
WESTON CT 06883

23 5 10
SCHREIBER SAMUEL & JULIA
7 FARRELL RD
WESTON CT 06883

23 5 7
BALLOU TREVOR T & OKSANA
33 STEEPHILL ROAD
WESTON CT 06883

23 5 6
31 STEEP HILL ROAD LLC
31 STEEPHILL ROAD
WESTON CT 06883

23 5 9
NESBITT ANNE E
39 STEEPHILL RD
WESTON CT 06883

23 4 3
PRITSKER ROBERT L & KIMIKO O TRS
32 STEEPHILL ROAD
WESTON CT 06883

23 5 4
LI YANAN & CHENG DUN YING
23 STEEPHILL ROAD
WESTON CT 06883

23 5 5
ELIOTT STEPHEN V
27 STEEPHILL ROAD
WESTON CT 06883

23 5 8
KEMERY MARIA & ROBERT
35 STEEPHILL RD
WESTON CT 06883

FCE Project #	2431	Date Performed:	8/2/2024
Client:	Maria Kemery		
Location:	35 Steep Hill Road, Weston		
Observed by:	Wayne D'Avanzo		
Test Hole 1:			
	0-5"	Topsoil	
	5-62"	Light Brown Gravel	
		No Ground Water	
		No Mottling	
		No Ledge	
		Roots to 48"	

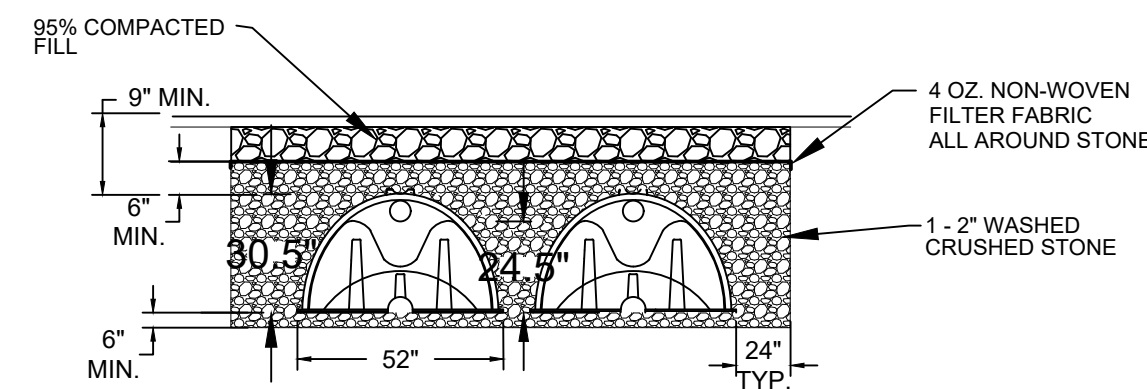
Conducted by:	Wayne D'Avanzo	Project:	2431
Location:	35 Steep Hill Road	Town:	Weston
Client :	Maria Kemery	Date:	8/2/2024

Weather conditions prior to and during tests:
Clear

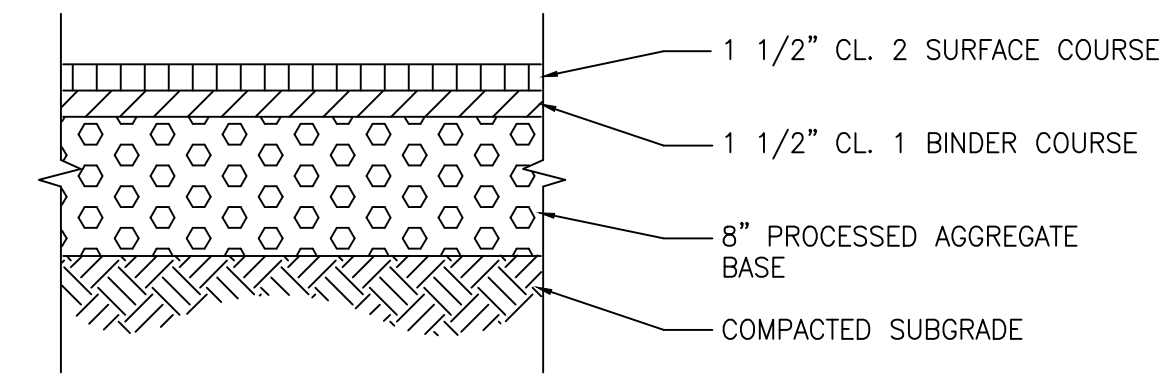
Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	24"

PT-1
Pre-soak @ 9:30 AM
Design 1 1/2 20 Min.

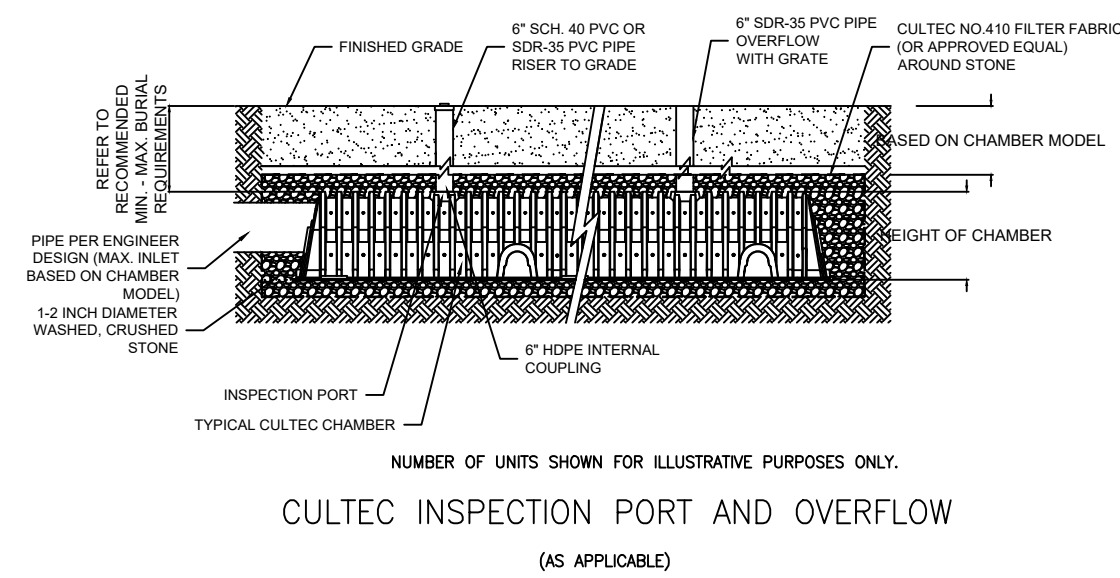
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
10:30 AM	----	4"	----	----
10:40 AM	10 Min.	9 1/4"	5 1/4"	1.9 Min.
10:50 AM	10 Min.	11 1/8"	1 7/8"	5.3 Min.
11:00 AM	10 Min.	12 5/8"	1 1/2"	6.7 Min.
11:10 AM	10 Min.	13 7/8"	1 1/4"	8.0 Min.
11:20 AM	10 Min.	14 3/4"	7/8"	11.4 Min.
11:30 AM	10 Min.	15 1/4"	1/2"	20.0 Min.



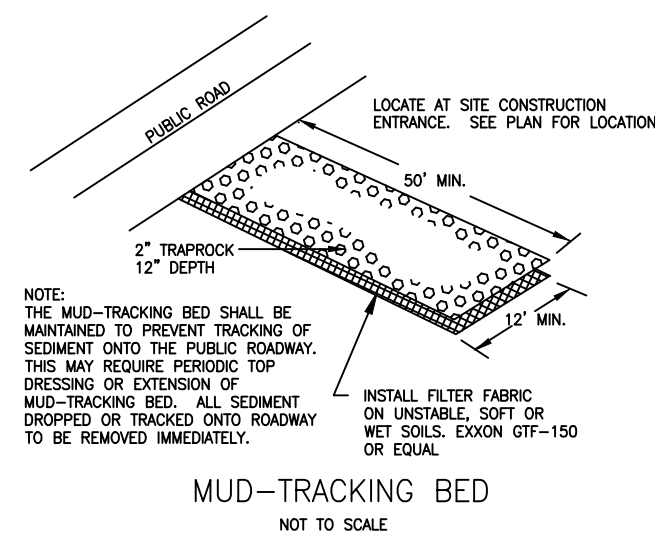
CULTEC RECHARGER 330XLHD
TYPICAL CROSS SECTION



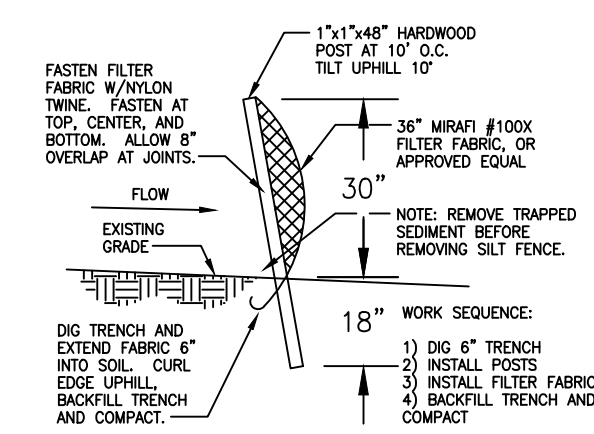
DRIVEWAY PAVEMENT
NOT TO SCALE



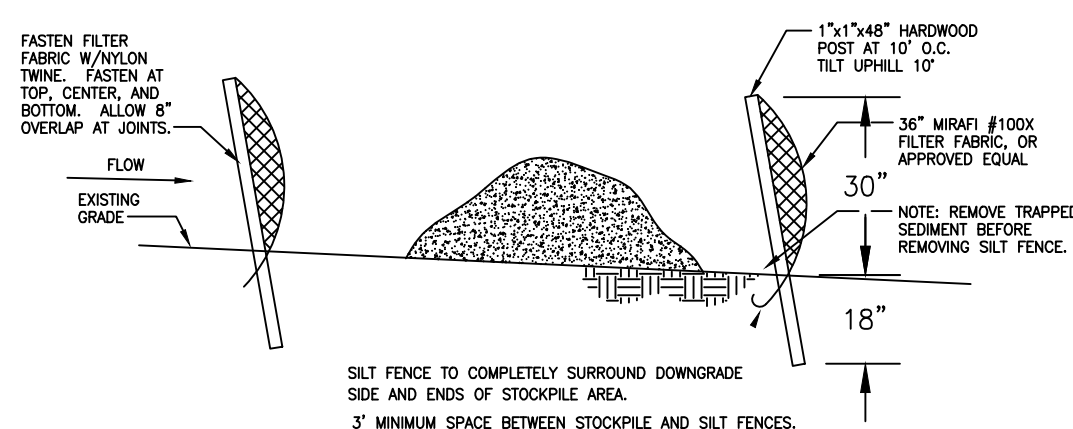
CULTEC INSPECTION PORT AND OVERFLOW
(AS APPLICABLE)



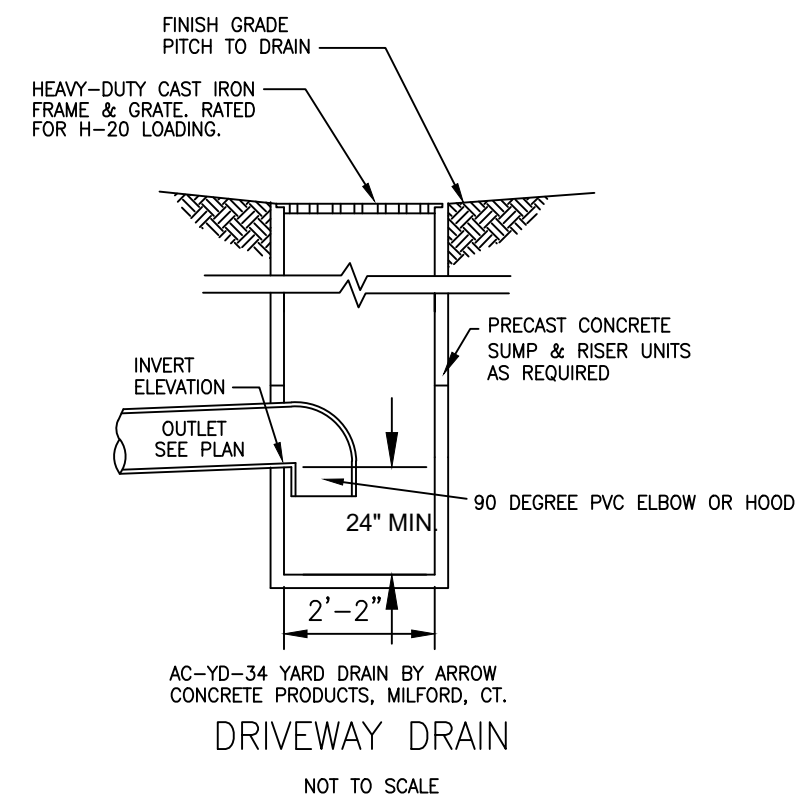
MUD-TRACKING BED
NOT TO SCALE



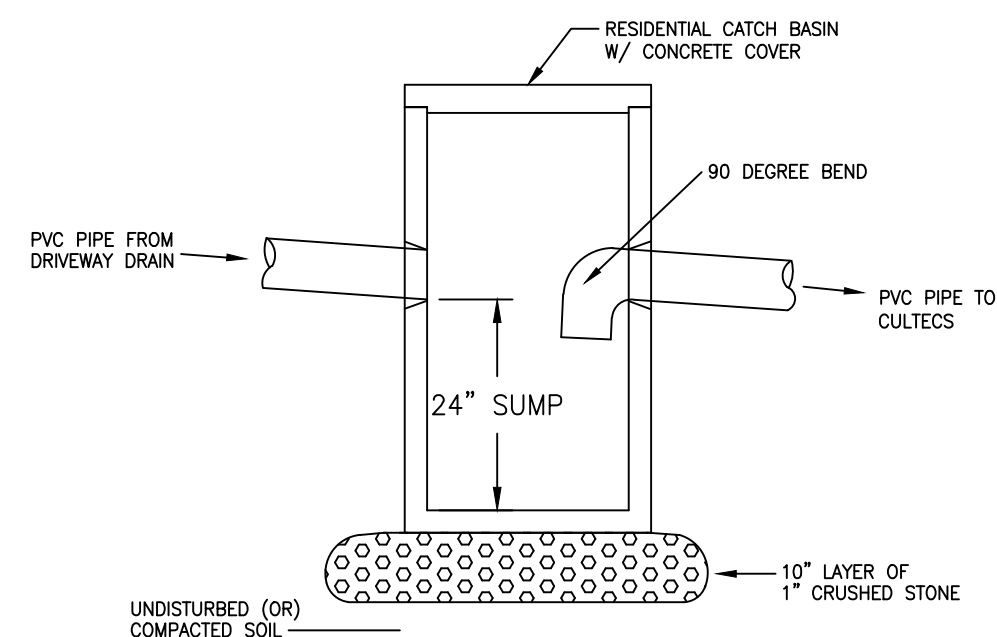
SILT FENCE
NOT TO SCALE



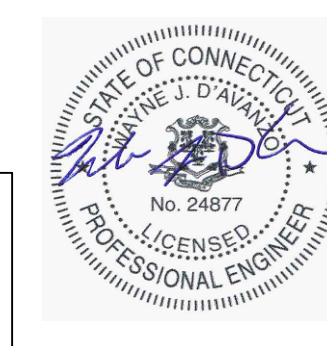
STOCKPILE PROTECTION
NOT TO SCALE



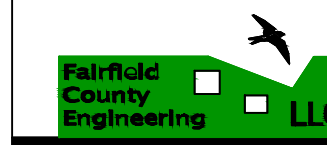
DRIVEWAY DRAIN
NOT TO SCALE



COARSE PARTICLE SEPARATOR
NOT TO SCALE



7-24-24
date



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

MARIA KEMERY
35 STEEP HILL ROAD WESTON, CONNECTICUT

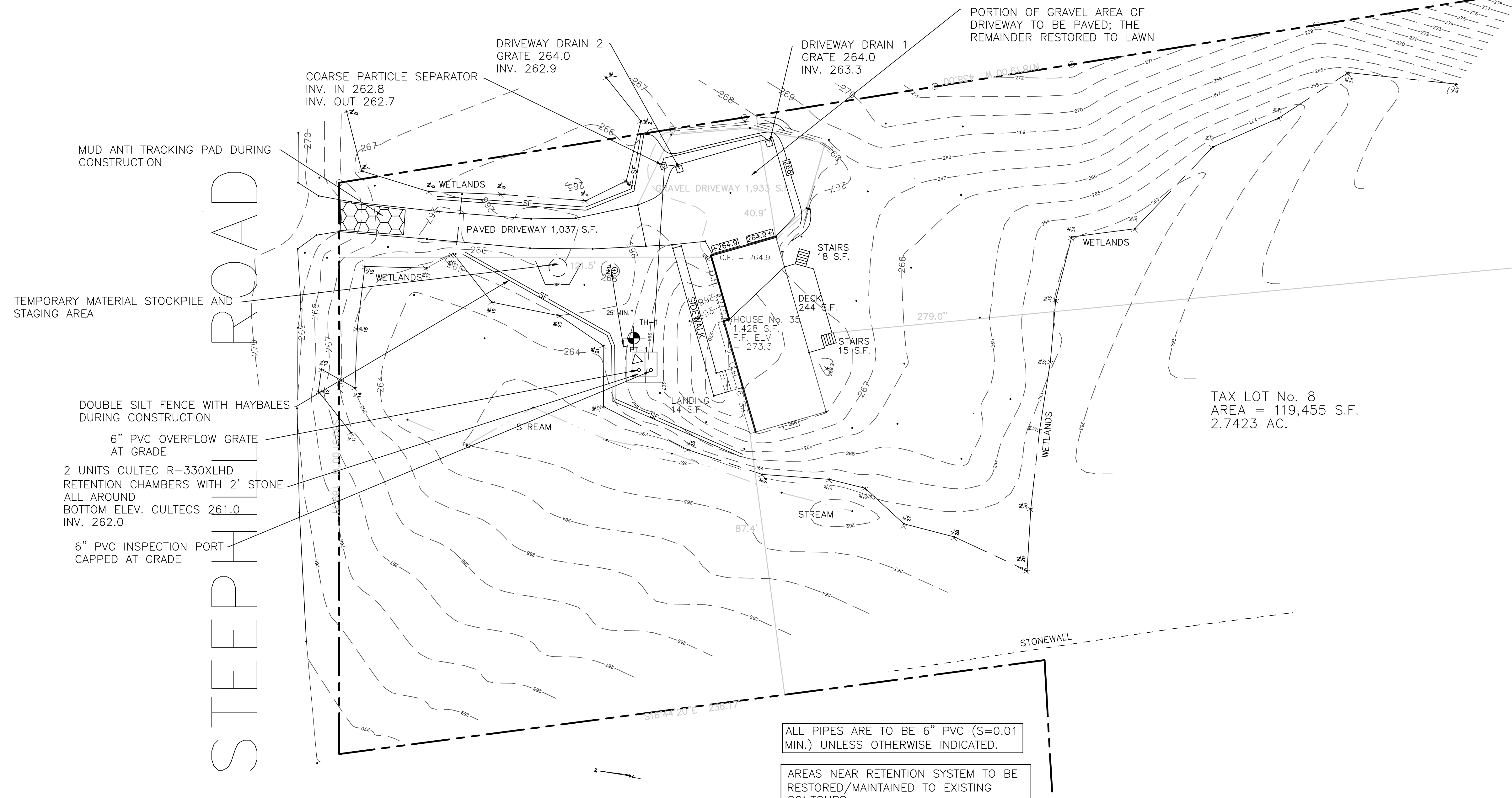
DETAIL SHEET

CIVIL ENGINEERS 23XX project

2 OF 2 sheet

GENERAL CONSTRUCTION NOTES:

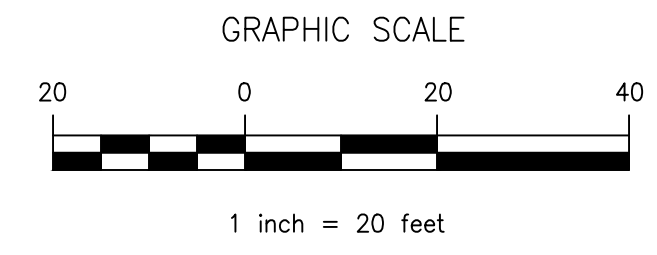
1. CONSTRUCTION AND STRUCTURES SHALL COMPLY WITH ALL MUNICIPAL OR STATE REQUIREMENTS. ALL WORK SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE SATISFACTION OF THE ENGINEERING BUREAU, THAT CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS.
2. THE ENGINEERING BUREAU OF THE DEPARTMENT OF PUBLIC 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 IMMEDIATELY NOTIFY THE ENGINEER, WHO WILL MAKE THE NECESSARY ADJUSTMENTS.
5. EXISTING PROPERTY AND UTILITY INFORMATION WAS TAKEN FROM A SURVEY BY BLACK ROCK SURVEYORS TITLED "PLOT PLAN PREPARED FOR MARIA AND ROBERT KEMERY", DATED MAY 28, 2024.
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 = 2.742 ACRES



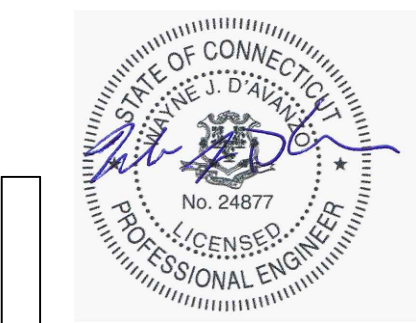
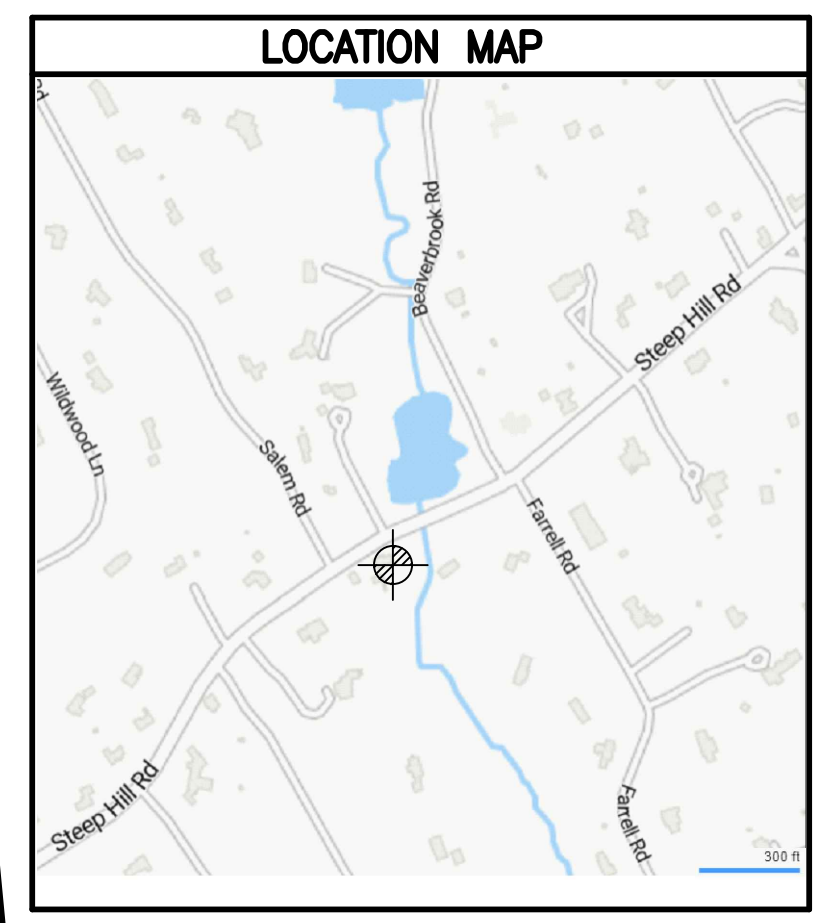
TAX LOT No. 8
AREA = 119,455 S.F.
2.7423 AC.

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

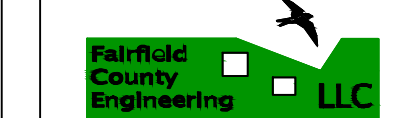
AREAS NEAR RETENTION SYSTEM TO BE RESTORED/MAINTAINED TO EXISTING CONTOURS



- 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 2002 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.



7-24-24
date



MARIA KEMERY
35 STEEP HILL ROAD WESTON, CONNECTICUT

CIVIL ENGINEERS

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

2431 project
1 OF 2 sheet

STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM

Pursuant to section 22a-39(m) of the General Statutes of Connecticut and section 22a-39-14 of the Regulations of Connecticut State Agencies, inland wetlands agencies must complete the Statewide Inland Wetlands & Watercourses Activity Reporting Form for **each** action taken by such agency.

This form may be made part of a municipality's inland wetlands application package. If the municipality chooses to do this, it is recommended that a copy of the Town and Quadrangle Index of Connecticut and a copy of the municipality's subregional drainage basin map be included in the package.

Please remember, the inland wetlands agency is responsible for ensuring that the information provided is **accurate** and that it reflects the **final** action of the agency. Incomplete or incomprehensible forms will be mailed back to the agency. Instructions for completing the form are located on the following pages.

The inland wetlands agency shall mail completed forms for actions taken during a calendar month no later than the 15th day of the following month to the Department of Energy and Environmental Protection (DEEP). Do **not** mail this cover page or the instruction pages. Please mail **only** the **completed** reporting form to:

DEEP Land & Water Resources Division
Inland Wetlands Management Program
79 Elm Street, 3rd Floor
Hartford, CT 06106

Questions may be directed to the DEEP's Inland Wetlands Management Program at (860) 424-3019.

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INSTRUCTIONS FOR COMPLETING

THE STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM

*Use a separate form to report EACH action taken by the Agency. Complete the form as described below.
Do NOT submit a reporting form for withdrawn actions.*

PART I: Must Be Completed By The Inland Wetlands Agency

1. Choose the year and month the Inland Wetlands Agency took the action being reported. If multiple actions were taken regarding the same project or activity then multiple forms need to be completed.
2. Choose ONE code letter to describe the final action or decision taken by the Inland Wetlands Agency. Do NOT submit a reporting form for withdrawn actions. Do NOT enter multiple code letters (for example, if the same project or activity had both a permit issued and enforcement action, submit two forms for the two separate actions).
 - A** = A Permit Granted by the Inland Wetlands Agency (not including map amendments, see code D below)
 - B** = Any Permit Denied by the Inland Wetlands Agency
 - C** = A Permit Renewed or Amended by the Inland Wetlands Agency
 - D** = A Map Amendment to the Official Town Wetlands Map - or -
An Approved/Permitted Wetland or Watercourse Boundary Amendment to a Project Site Map
 - E** = An Enforcement Action: Permit Revocation, Citation, Notice of Violation, Order, Court Injunction, or Court Fines
 - F** = A Jurisdictional Ruling by the Inland Wetlands Agency (activities "permitted as of right" or activities considered non-regulated)
 - G** = An Agent Approval pursuant to CGS 22a-42a(c)(2)
 - H** = An Appeal of Agent Approval Pursuant to 22a-42a(c)(2)
3. Check "yes" if a public hearing was held in regards to the action taken; otherwise check "no".
4. Enter the name of the Inland Wetlands Agency official verifying that the information provided on this form is accurate and that it reflects the FINAL action of the agency.

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant - If Part II is completed by the applicant, the applicant MUST return the form to the Inland Wetlands Agency. The Inland Wetlands Agency MUST ensure that the information provided is accurate and that it reflects the FINAL action of the Agency.

5. Enter the name of the municipality for which the Inland Wetlands Agency has jurisdiction and in which the action/project/activity is occurring.
Check "yes" if the action/project/activity crosses municipal boundaries and enter the name(s) of the other municipality(ies) where indicated. Check "no" if it does not cross municipal boundaries.
6. Enter the USGS Quad Map name or number (1 through 115) as found on the Connecticut Town and Quadrangle Index Map (the directory to all USGS Quad Maps) that contains the location of the action/project/activity. USGS Quad Map information is available at: <https://portal.ct.gov/-/media/deep/gis/resources/IndexNamedQuadTownpdf.pdf>
ALSO enter the four-digit identification number of the corresponding Subregional Drainage Basin in which the action/project/activity is located. If located in more than one subregional drainage basin, enter the number of the basin in which the majority of the action/project/activity is located. Town subregional drainage basin maps can be found at UConn CLEAR's website: https://media.clear.uconn.edu/data/watershed_maps/index.htm (no roads depicted) or at CTECO: http://www.cteco.uconn.edu/map_catalog.asp (depicts roads, choose town and a natural drainage basin map).
7. Enter the name of the individual applying for, petitioning, or receiving the action.
8. Enter the name and address or location of the action/project/activity. Check if the action/project/activity is TEMPORARY or PERMANENT in nature. Also provide a brief DESCRIPTION of the action/project/activity. It is always best to provide as much information as possible (for example, don't state "forestry," provide details such as "20 acre forest harvest, permit required for stream crossing.")

9. Carefully review the list below and enter ONLY ONE code letter which best characterizes the action/project/activity. All state agency projects must code "N".

- | | |
|--|--|
| A = Residential Improvement by Homeowner | I = Storm Water / Flood Control |
| B = New Residential Development for Single Family Units | J = Erosion / Sedimentation Control |
| C = New Residential Development for Multi-Family / Condos | K = Recreation / Boating / Navigation |
| D = Commercial / Industrial Uses | L = Routine Maintenance |
| E = Municipal Project | M = Map Amendment |
| F = Utility Company Project | N = State Agency Project |
| G = Agriculture, Forestry or Conservation | P = Other (this code includes the approval of concept, subdivision or similar plans with no on-the-ground work) |
| H = Wetland Restoration, Enhancement, Creation | |

10. Enter between one and four code numbers to best characterize the action/project/activity being reported. Enter "NA" if this form is being completed for the action of map amendment. You MUST provide code 12 if the activity is located in an established upland review area. You MUST provide code 14 if the activity is located beyond the established upland review area or no established upland review area exists.

- | | |
|--|---|
| 1 = Filling | 8 = Underground Utilities Only (no other activities) |
| 2 = Excavation | 9 = Roadway / Driveway Construction (including related culverts) |
| 3 = Land Clearing / Grubbing (no other activity) | 10 = Drainage Improvements |
| 4 = Stream Channelization | 11 = Pond, Lake Dredging / Dam Construction |
| 5 = Stream Stabilization (includes lakeshore stabilization) | 12 = Activity in an Established Upland Review Area |
| 6 = Stream Clearance (removal of debris only) | 14 = Activity in Upland |
| 7 = Culverting (not for roadways) | |

Examples: Jurisdictional ruling allowing construction of a parking lot in an upland where the municipality does not have an established upland review area must use code 14, other possible codes are 2 and 10. Permitted construction of a free standing garage (residential improvement by homeowner) partially in an established upland review area with the remainder in the upland must use code 12 and 14, other possible codes are 1 and 2.

11. Leave blank for TEMPORARY alterations but please indicate action/project/activity is temporary under question #8 on the form. For PERMANENT alterations, enter in acres the area of wetland soils or watercourses altered. Include areas that are permanently altered, or are proposed to be, for all agency permits, denials, amendments, renewals, jurisdictional rulings, and enforcement actions. For those activities that involve filling or dredging of lakes, ponds or similar open water bodies enter the acres filled or dredged under "open water body." For those activities that involve directly altering a linear reach of a brook, river, lakeshore or similar linear watercourse, enter the total linear feet altered under "stream." Remember, these figures represent only the acreage altered, not the total acreage of wetlands or watercourses on the site. You MUST provide all information in ACRES (or linear feet as indicated) including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. If this report is being completed for an agency jurisdictional ruling and detailed information is not available, provide an estimate. Enter zero if there is no alteration.
12. Enter in acres the area of upland altered as a result of an ACTIVITY REGULATED BY the inland wetlands agency, or as a result of an AGENT APPROVAL pursuant to CGS section 22a-42a(c)(2). Leave blank for TEMPORARY alterations but please indicate action/project/activity is temporary under question #8 on the form. Include areas that are permanently altered, or proposed to be permanently altered, for all agent approvals, agency permits, denials, amendments, renewals, jurisdictional rulings, and enforcement actions. You MUST provide all information in ACRES including those areas less than one acre. See directions above (#11) for conversion factor. If this report is being completed for an agent approval or an agency jurisdictional ruling and detailed information is not available, provide an estimate. Enter zero if there is no alteration.
13. Enter the acres that are, or are proposed to be, restored, enhanced or created for all agency permits, denials, amendments, renewals, jurisdictional rulings and enforcement actions. NOTE restored or enhanced applies to previously existing wetlands or watercourses. Created applies to a non-wetland or non-watercourse area which is converted into wetlands or watercourses. For created - question #10 must provide 12 and/or 14 as an answer, and question #12 must also be answered. You MUST provide all information in ACRES including those areas less than one acre. See directions above (#11) for conversion factor. Enter zero if there is no restoration, enhancement or creation.

PART III: To Be Completed By The DEEP - Please leave this area blank. Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

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

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

- TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Weston
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the activity is occurring (print name(s)): _____, _____
- LOCATION (see instructions for information): USGS quad name: Westport or number: 108
subregional drainage basin number: 7200
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Maria & Robert Kemery
- NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 35 Steep Hill Road
briefly describe the action/project/activity (check and print information): temporary permanent description: Driveway modification and storm water detention system.
- ACTIVITY PURPOSE CODE (see instructions - one code only): A
- ACTIVITY TYPE CODE(S) (see instructions for codes): 2, 12, _____, _____
- WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
- UPLAND AREA ALTERED (must provide acres): 0.09 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): _____ acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

WETLAND DELINEATION

FOR THE PROPERTY LOCATED AT
35 STEEP HILL ROAD
WESTON, CONNECTICUT



REPORT PREPARED BY
ALEKSANDRA MOCH
SOIL & WETLAND SCIENTIST
LANDSCAPE DESIGNER, CPESC
GEOLOGIST/HYDROGEOLOGIST

May 3, 2024

SITE DESCRIPTION

The property is located on the southern side of Steep Hill Road and approximately 103 feet to the west from the intersection with Farrell Road. This 2.74-acre site supports a single-family residence with a driveway. The area slopes and drain toward Beaver Brook cutting through the site. The area is mostly wooded with a small clearing around the residence which is maintained as a lawn.

METHODS

Wetland identification was performed on May 2, 2024 and based on the presence of poorly drained, very poorly drained, alluvial, and/or floodplain soils and submerged land. The soil types were identified by observation of soil morphology including soil texture, structure, color, etc. 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 wetland was marked with orange surveyor's tape labeled "WET". Each flag was numbered sequentially from 1-8 along the off-site wetland situate on the eastern side of the driveway and 9-43 along the wetland/watercourse corridor running through the western portion of the site.

WETLANDS/WATERCOURSES REGULATORY DEFINITION

The Inland Wetlands and Watercourses Act (Connecticut General Statutes 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 statutes 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 areas marked in the field consist of a sloping wetland area situated to the east of the driveway and a wetland/watercourse corridor associate with Beaver Brook stretching over the western portion of the site. The sloping wetland only slightly encroaches upon the stie. This area is small and isolated from the pond across the street and the wetland/watercourse corridor. It is believed, these systems were connected prior to the road and driveway installation.

Similar to the slopping wetland, the wetland/watercourse corridor is also naturally wooded. The brook enters the site via street culvert and makes its way to the south. The channel is supported with wide wetland on both sides which create a red maple swamp environment. There is also a well-established flood plain associated with the channel which varies in width.

WETLAND SOILS

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

108—Saco silt loam, frequently ponded, 0 to 2 percent slopes, frequently flooded

Saco unit consists of a very poorly drained soil typically occurring on the flood plains. The parent material consists of coarse-silty alluvium over sandy alluvium. The depth to the restrictive layer exceeds 80 inches. The depth to the groundwater varies from 0 to 6 inches.

Typical profile

- *0 to 12 inches*: silt loam
- *12 to 32 inches*: silt loam
- *32 to 48 inches*: silt loam
- *48 to 60 inches*: stratified very gravelly coarse sand to loamy fine sand

UPLAND SOILS

61B—Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony

Canton is a well-drained soil found at ridges, moraines and hills. The parent material consist of a coarse-loamy over sandy melt-out till derived from gneiss, granite, and/or schist. The depth to ground water is more than 80 inches.

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 which occurs on hills, ground moraines and ridges. The parent material consist of a coarse-loamy melt-out till derived from granite, gneiss, and/or schist. The depth to ground water is also more than 80 inches.

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:



Aleksandra Moch
Wetland & Soil Scientist

