



Conservation Commission

May 30, 2023

Mr. and Mrs. Malcolm Kemeny
20 Kettle Creek Road
Weston, CT 06883

Subject: Notice of Violation – 20 Kettle Creek, Weston, CT 06883

Dear Mr. and Mrs. Kemeny:

It has come to our attention that grade changes were performed and a catch basin was installed on your property on or about May 20, 2023 without required permits. During our inspection today, we verified that more than 2,500 square feet and 25 cubic yards of material or more were used to fill a depression on the easterly side of your property. This location is within the upland review area of a stream and wetland flowing into Kettle Creek and the Saugatuck River. The catch basin appears to be collecting water from your property and transmitting it through a pipe under Little Brook Lane directly into the stream.

This notice of violation comes about because you are in violation of the Weston Zoning Code 348.1 Soil Disturbance Permit, Clean Fill Certification Code 348.2.3 and state of Connecticut Inland Wetlands and Watercourses Act for carrying out land disturbance without required a permits for the activities referenced above.

You are hereby ordered to make application for the required zoning permits and wetlands permits. Failure to do so may result further action by the Town of Weston.

You may contact Dr. Failla at (203) 222-2681 or 203-331-6035 or by email at conservationplanner@westonct.gov.

Sincerely,

Dr. Tom Failla, Conservation Planner

Cy James Pjura, Zoning Code Enforcement Officer
Land Use Office Director c/o Ira Bloom, Town Attorney



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: 20 Kettle Creek Road, Weston, CT 06883

Assessor's Map # 30 **Block #** 3 **Lot #** 12

PROJECT DESCRIPTION (*general purpose*) 20 Kettle Creek Road Side Parcel Site Improvement

Total Acres 1.65 (Property Total) Total Acres of Wetlands and Watercourses 0

Acreage of Wetlands and Watercourses Altered 0 Upland Area Altered ~ 0.04 acres

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: Malcolm and Schuyler Kemeny Phone: (845) 661-4364

Address: 20 Kettle Creek Road, Weston, CT 06883

Email: mckemeny@gmail.com

APPLICANT/AUTHORIZED AGENT:

Name: Please see above. Phone: _____

Address: _____

Email: _____

CONSULTANTS: (*Please provide, if applicable*)

Engineer: Stuart Somers Company LLC Phone: (203) 264-8511

Address: 1211 Main Street South, Southbury, CT 06488 Email: info@stuartsomersco.com

Soil Scientist: N/A Phone: _____

Address: _____ Email: _____

Legal Counsel: N/A Phone: _____

Address: _____ Email: _____

Surveyor: Stuart Somers Company LLC Phone: (203) 264-8511

Address: 1211 Main Street South, Southbury, CT 06488 Email: info@stuartsomersco.com

PROPERTY INFORMATION

Property Address: 20 Kettle Creek Road, Weston, CT 06883

Existing Conditions (*Describe existing property and structures*): Wooded land parcel between 20 Kettle Creek Rd. driveway and private road Little Brook Ln. entrance, comprising small trees (all well < 12" DBH), brush, leaves, rocks, stumps, and poison ivy.

Provide a detailed description and purpose of proposed activity (*attach sheet with additional information if needed*): Delineate property border, establish grass and plantings, and improve drainage on 20 Kettle Creek Road side parcel, a portion of which falls within Upland Review Area.

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

Subject property to be affected by proposed activity contains:

- wetlands soils
- swamp
- floodplain
- marsh
- bog
- lake or pond
- stream or river
- other _____

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

- Alteration
- Discharge to
- Removal of Materials
- Construction
- Discharge from
- Deposition of Materials
- Pollution
- Bridge or Culvert
- Other _____

Amount, type, and location of materials to be removed, deposited, or stockpiled:
Common and screened fill (~ 130 yd3), topsoil (~ 50 yd3), and grass seed; yard drain; 4-ft. cedar post and rail fence along staked property line; plantings per attached conceptual plan.

Description, work sequence, and duration of activities:
Site clean-up, regrading, and seeding (approx. 1 week of labor, complete); installation of post and rail fence (2 days, complete); planting of trees and shrubs (2 days, partially complete).

Describe alternatives considered and why the proposal described herein was chosen:
Clearing and regrading requisite for seeding, planting, and appropriate drainage. Landscape plan made with designer's expertise, in careful consideration of site conditions and surrounding environment.

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: _____

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

October 12, 2023

Date

Signature of Authorized Agent

Date

FOR OFFICE USE ONLY

Administrative Approval

Initials

Date

**TOWN OF WESTON, CT
INLAND WETLANDS AND WATERCOURSES APPLICATION
20 KETTLE CREEK ROAD**

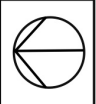
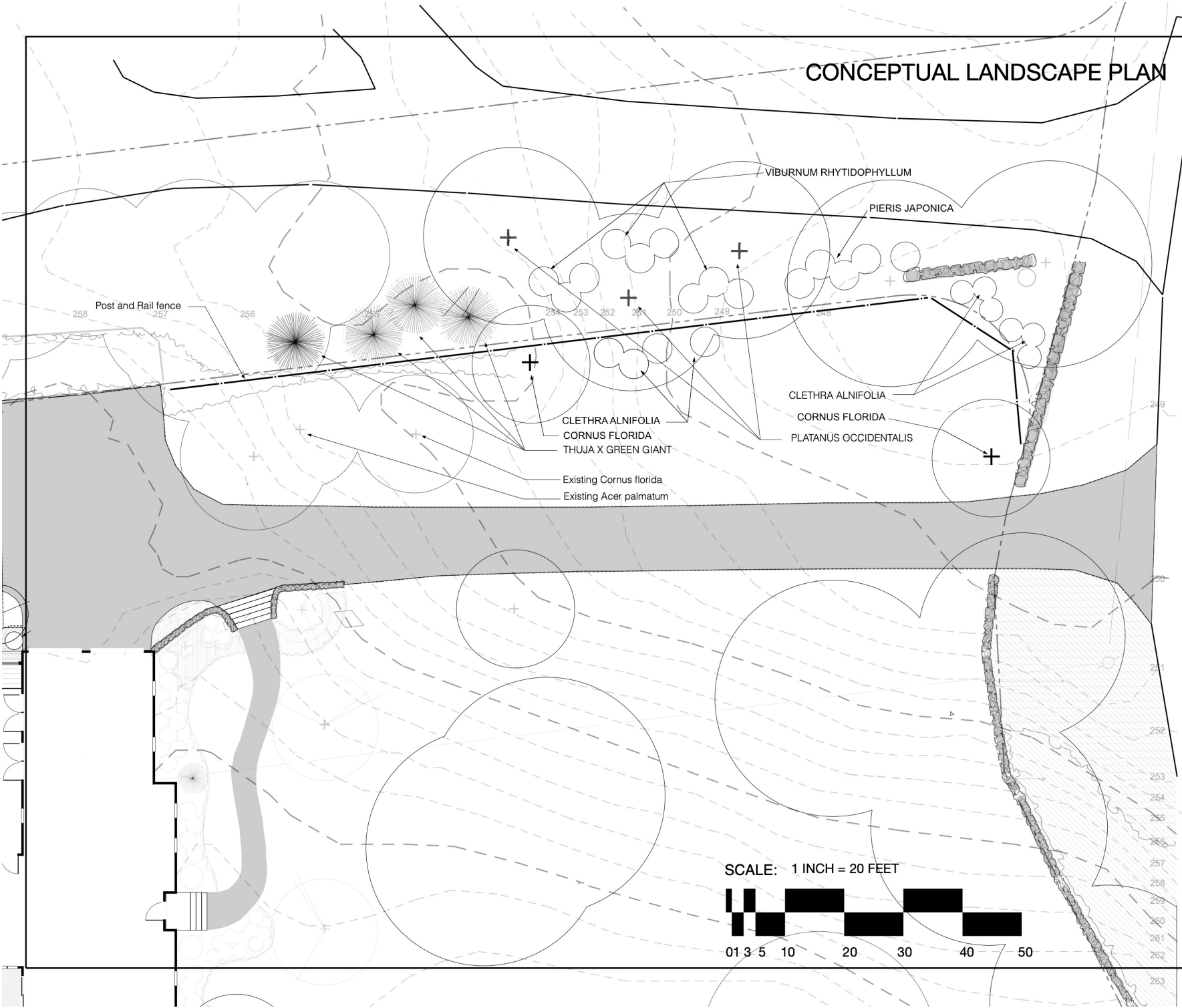
James Gerrity, Landscape Designer

James Gerrity is a graduate of the Landscape Architecture and Regional Planning program at the University of Massachusetts Amherst. He has over thirty years of landscape design and construction experience and a wealth of knowledge of plant materials appropriate and available for every situation. Most recently, he spent twenty years as the Landscape Designer at Oliver Nurseries in Fairfield, CT, before opening his independent design firm, James Gerrity Landscape Design, in 2014. With JGLD, James designs and implements all aspects of diverse landscape projects, working with private homes and organizations across Fairfield County.

—

James Gerrity Landscape Design LLC
21 Lakeside Road, Milford, CT 06460
jegerrity@gmail.com
(203) 952-2721
www.jamesgerrity.com

CONCEPTUAL LANDSCAPE PLAN



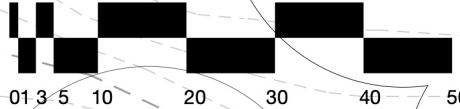
Malcolm & Schuyler Kerney
20 Kettlecreek Road
Weston, Connecticut 06883

www.jamesgerrity.com email: jgerrity@gmail.com 203.852.2721 DATE: SEPTEMBER 2023



JAMES GERRITY
LANDSCAPE DESIGN, LLC
21 LAKESIDE ROAD
MILFORD, CT 06460

SCALE: 1 INCH = 20 FEET



MODIFIED BY HOMEOWNER FOR SUBMISSION - OCTOBER 2023

September 20, 2023

Attn: Dr. Tom Failla, Conservation Planner
Town Hall Annex
24 School Road
Weston, CT 06883


Re: Inland Wetlands and Watercourses Application

To Whom It May Concern:

As co-owners of Little Brook Lane in Weston, Connecticut, we authorize Malcolm and Schuyler Kemeny to request a conservation permit for the Little Brook property bordering 20 Kettle Creek Road.

Sincerely,

John Sesko
1 Little Brook Lane



Stuart Goldfarb
12 Little Brook Lane



Co-signed



Malcolm Kemeny
20 Kettle Creek Road

Christine Sesko
1 Little Brook Lane



Lisa Goldfarb
12 Little Brook Lane



Schuyler Kemeny
20 Kettle Creek Road



Stuart Somers Company LLC

Engineers • Surveyors

1211 Main Street South • Southbury, CT 06488
203-264-8511 • 203-264-8508 fax
www.stuartsomersco.com

October 9, 2023

Weston Conservation Commission
Town of Weston
Weston, CT 06883

Re: For completed work performed in the front yard for an existing house and drainage improvements. #20 Kettle Creek Road, Weston Connecticut.

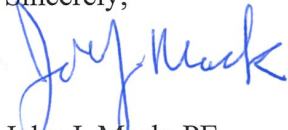
Dear Commissioners:

This letter is for the grading and drainage recently performed in the front yard of the parcel within the 100' setback wetlands for an existing house. I visited the site on September 1st and performed a field inspection of the drainage and grading. The area of construction by then was established with a grass lawn and the front roof drains went to a new yard drain that were attached to an existing 12" culvert that outlets into a brook. A low point in the front yard was filled in which partially detained the front side of the house. The back roof area and the garage area flows to rear of the property as shown on the site plan. I performed a detention study and report and it is determined that to detain the front portion of the house roof only 14' of 20" high underground Plastic Units are required for up to a 25 year storm. To perform this work additional disturbance in the front yard would be required. The current system appears to be working properly so in my professional opinion the additional disturbance for the small roof area would have a minimum benefit to the wetlands and the downstream brook.

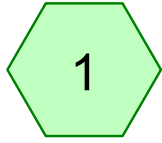
In summary the drainage and grading have been installed and in my professional opinion because of the small roof area no further work is required because of the minimum benefits and the existing drainage is sufficient as installed.

If you any questions on the above please contact our office.

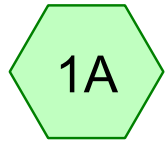
Sincerely,



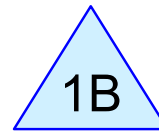
John J. Mack, PE
Stuart Somers Co. LLC
Cc: Malcom Kemeny, Owner



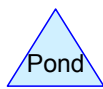
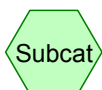
exist. ground area of
house front



Ex area of Exist. house
front roof



Cultec 180's



2241-20 Kettle Creek Rd. Weston

Prepared by Stuart Somers Co. LLC

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Printed 10/4/2023

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Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
630	73	Woods, Fair, HSG C (1)
630	98	imperv. house or driveway pave. (1A)
1,260		TOTAL AREA

2241-20 Kettle Creek Rd. Weston

Prepared by Stuart Somers Co. LLC

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Printed 10/4/2023

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Soil Listing (all nodes)

Area (sq-ft)	Soil Goup	Subcatchment Numbers
0	HSG A	
0	HSG B	
630	HSG C	1
0	HSG D	
630	Other	1A
1,260		TOTAL AREA

2241-20 Kettle Creek Rd. Weston

Prepared by Stuart Somers Co. LLC

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Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)
1	1B	551.25	550.50	10.0	0.0750	0.010	4.0	0.0

2241-20 Kettle Creek Rd. Weston

Type III 24-hr 25-Year Rainfall=5.70"

Prepared by Stuart Somers Co. LLC

Printed 10/4/2023

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Time span=0.00-30.00 hrs, dt=0.04 hrs, 751 points

Runoff by SCS TR-20 method, UH=SCS

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1: exist. ground area of house Runoff Area=630 sf 0.00% Impervious Runoff Depth=2.84"
Tc=5.0 min CN=73 Runoff=0.05 cfs 149 cf

Subcatchment 1A: Ex area of Exist. house Runoff Area=630 sf 100.00% Impervious Runoff Depth=5.46"
Tc=5.0 min CN=98 Runoff=0.08 cfs 287 cf

Pond 1B: Cultec 180's Peak Elev=551.40' Storage=51 cf Inflow=0.08 cfs 287 cf
Discarded=0.01 cfs 262 cf Primary=0.04 cfs 25 cf Outflow=0.05 cfs 287 cf

Total Runoff Area = 1,260 sf Runoff Volume = 436 cf Average Runoff Depth = 4.15"
50.00% Pervious = 630 sf 50.00% Impervious = 630 sf

2241-20 Kettle Creek Rd. Weston

Type III 24-hr 25-Year Rainfall=5.70"

Prepared by Stuart Somers Co. LLC

Printed 10/4/2023

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Summary for Subcatchment 1: exist. ground area of house front

Runoff = 0.05 cfs @ 12.06 hrs, Volume= 149 cf, Depth= 2.84"

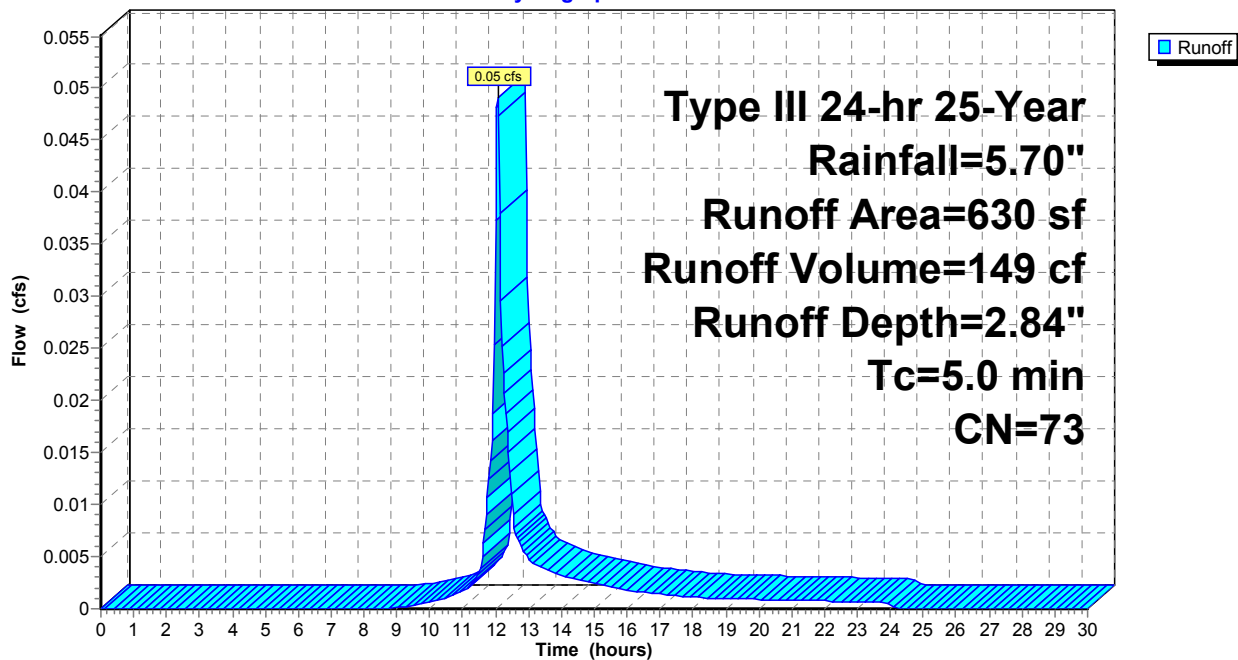
Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-30.00 hrs, dt= 0.04 hrs
Type III 24-hr 25-Year Rainfall=5.70"

Area (sf)	CN	Description
630	73	Woods, Fair, HSG C
630		100.00% Pervious Area

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

Subcatchment 1: exist. ground area of house front

Hydrograph



Summary for Subcatchment 1A: Ex area of Exist. house front roof

Runoff = 0.08 cfs @ 12.05 hrs, Volume= 287 cf, Depth= 5.46"

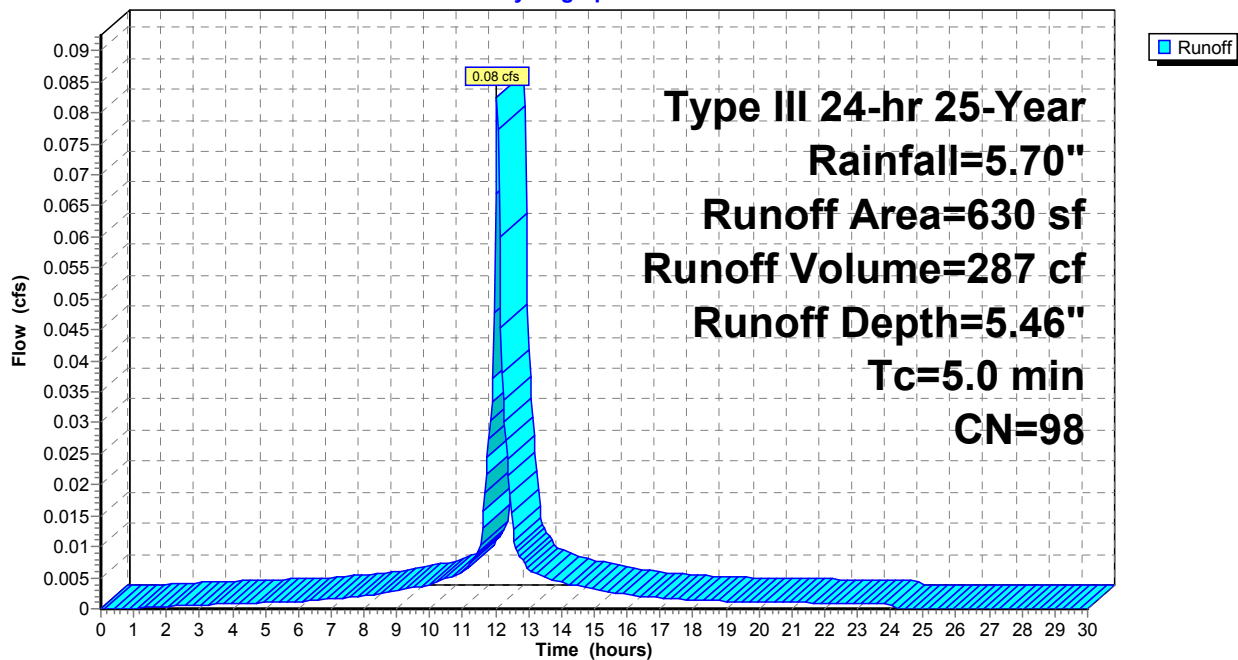
Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-30.00 hrs, dt= 0.04 hrs
 Type III 24-hr 25-Year Rainfall=5.70"

Area (sf)	CN	Description
* 630	98	imperv. house or driveway pave.
630		100.00% Impervious Area

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

Subcatchment 1A: Ex area of Exist. house front roof

Hydrograph



Summary for Pond 1B: Cultec 180's

Inflow Area = 630 sf, 100.00% Impervious, Inflow Depth = 5.46" for 25-Year event
 Inflow = 0.08 cfs @ 12.05 hrs, Volume= 287 cf
 Outflow = 0.05 cfs @ 12.17 hrs, Volume= 287 cf, Atten= 37%, Lag= 7.1 min
 Discarded = 0.01 cfs @ 11.64 hrs, Volume= 262 cf
 Primary = 0.04 cfs @ 12.17 hrs, Volume= 25 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.04 hrs
 Peak Elev= 551.40' @ 12.17 hrs Surf.Area= 58 sf Storage= 51 cf

Plug-Flow detention time= 15.9 min calculated for 286 cf (100% of inflow)
 Center-of-Mass det. time= 15.9 min (759.6 - 743.8)

Volume	Invert	Avail.Storage	Storage Description
#1A	550.00'	27 cf	5.00'W x 11.66'L x 1.71'H Field A 100 cf Overall - 33 cf Embedded = 66 cf x 40.0% Voids
#2A	550.00'	33 cf	Cultec HVLV 180 x 2 Inside #1 Effective Size= 33.6"W x 20.0"H => 3.44 sf x 4.83'L = 16.6 cf Overall Size= 36.0"W x 20.5"H x 5.83'L with 1.00' Overlap
		60 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	551.25'	4.0" Round Culvert L= 10.0' CPP, projecting, no headwall, Ke= 0.900 Outlet Invert= 550.50' S= 0.0750 '/' Cc= 0.900 n= 0.010
#2	Discarded	550.00'	10.000 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.01 cfs @ 11.64 hrs HW=550.02' (Free Discharge)
 ↳ **2=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.04 cfs @ 12.17 hrs HW=551.39' (Free Discharge)
 ↳ **1=Culvert** (Inlet Controls 0.04 cfs @ 1.01 fps)

Pond 1B: Cultec 180's - Chamber Wizard Field A

Chamber Model = Cultec HVLV 180

Effective Size= 33.6"W x 20.0"H => 3.44 sf x 4.83'L = 16.6 cf

Overall Size= 36.0"W x 20.5"H x 5.83'L with 1.00' Overlap

36.0" Wide + 0.0" Spacing = 36.0" C-C

2 Chambers/Row x 4.83' Long = 9.66' + 12.0" End Stone x 2 = 11.66' Base Length

1 Rows x 36.0" Wide + 12.0" Side Stone x 2 = 5.00' Base Width

20.5" Chamber Height = 1.71' Field Height

2 Chambers x 16.6 cf = 33.2 cf Chamber Storage

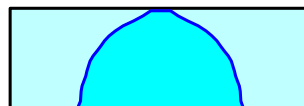
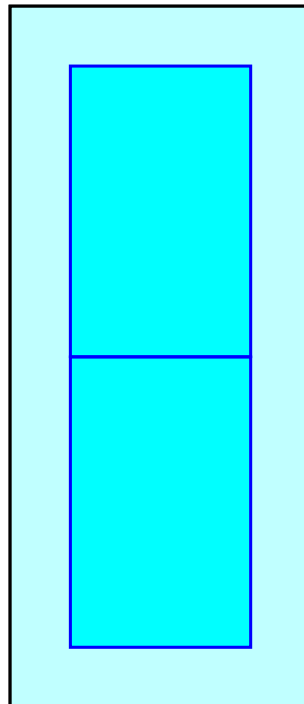
99.6 cf Field - 33.2 cf Chambers = 66.4 cf Stone x 40.0% Voids = 26.5 cf Stone Storage

Stone + Chamber Storage = 59.8 cf = 0.001 af

2 Chambers

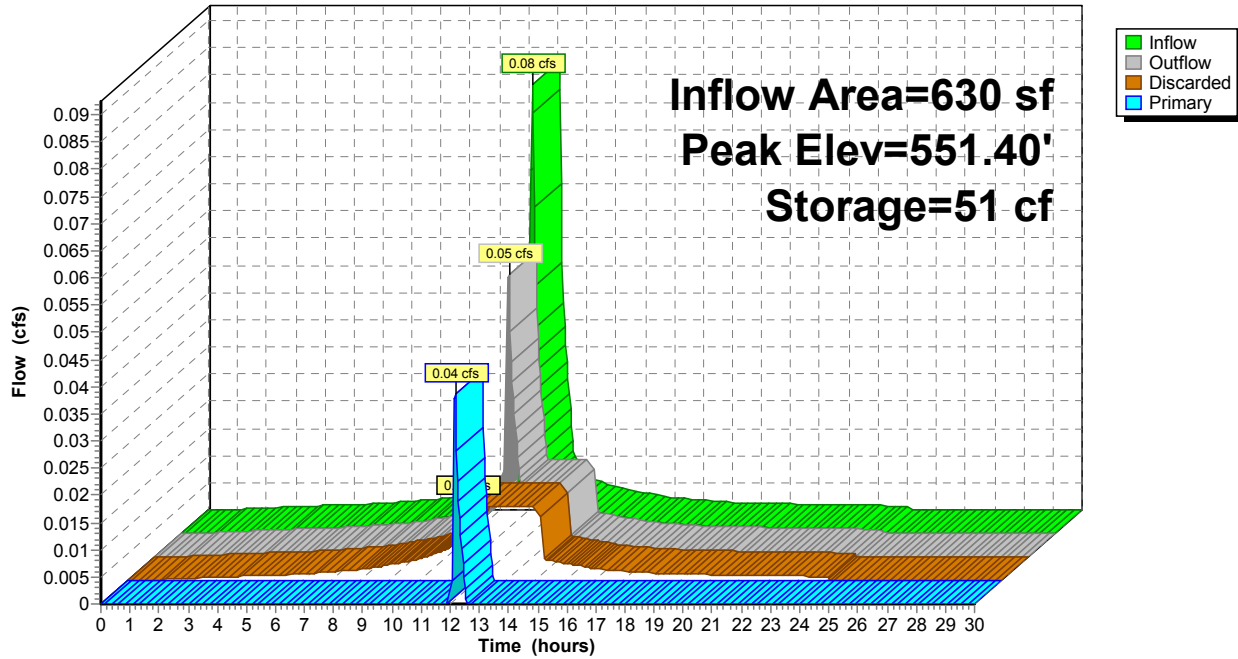
3.7 cy Field

2.5 cy Stone



Pond 1B: Cultec 180's

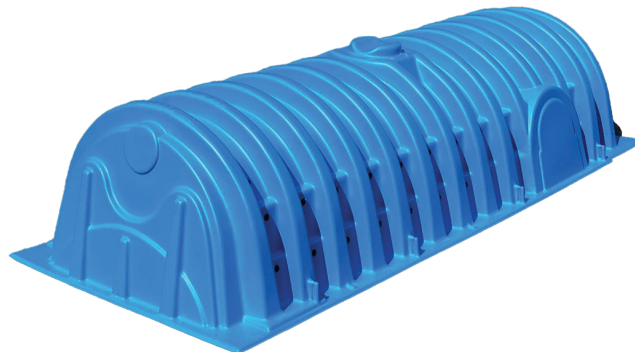
Hydrograph





CULTEC Recharger® 180HD Stormwater Chamber

The Recharger® 180HD is a 20.5" (521 mm) tall, mid-size chamber and is typically used for installations with depth restrictions or when a larger infiltrative area is required. The Recharger® 180HD has the side portal internal manifold feature. HVLV® FC-24 Feed Connectors are inserted into the side portals to create the internal manifold.



Size (L x W x H)	7.33' x 36" x 20.5" 2.23 m x 914 mm x 521 mm
Installed Length	6.33' 1.93 m
Length Adjustment per Run	1' 0.30 m
Chamber Storage	3.45 ft ³ /ft 0.32 m ³ /m 21.81 ft ³ /unit 0.62 m ³ /unit
Min. Installed Storage	5.59 ft ³ /ft 0.52 m ³ /m 35.37 ft ³ /unit 1.00 m ³ /unit
Min. Area Required	20.57 ft ² 1.91 m ²
Chamber Weight	45.0 lbs 20.41 kg
Shipping	40 chambers/skid 1,905 lbs/skid 16 skids/48' flatbed
Min. Center to Center Spacing	3.25' 0.99 m
Max. Allowable Cover	12' 3.66 m
Max. Inlet Opening in Endwall	15" HDPE, PVC 375 mm HDPE, PVC
Max. Allowable O.D. in Side Portal	10" HDPE, 12" PVC 250 mm HDPE, 300 mm PVC
Compatible Feed Connector	HVLV FC-24 Feed Connector

Calculations are based on installed chamber length.
All above values are nominal.
Min. installed storage includes 6" (152 mm) stone base, 6" (152 mm) stone above crown of chamber and typical stone surround at 39"(991 mm) center-to-center spacing.

	Stone Foundation Depth		
	6" 152 mm	12" 305 mm	18" 457 mm
Chamber and Stone Storage Per Chamber	35.37 ft ³ 1.00 m ³	39.49 ft ³ 1.12 m ³	43.60 ft ³ 1.23 m ³
Min. Effective Depth	2.71' 0.83 m	3.21' 0.98 m	3.71' 1.13 m
Stone Required Per Chamber	1.26 yd ³ 0.96 m ³	1.64 yd ³ 1.25 m ³	2.02 yd ³ 1.54 m ³

Calculations are based on installed chamber length.
Includes 6" (305 mm) stone above crown of chamber and typical stone surround at 39"(991 mm) center-to-center spacing and stone foundation as listed in table.
Stone void calculated at 40%.

Recharger® 180HD Bare Chamber Storage Volumes

Elevation		Incremental Storage Volume				Cumulative Storage	
in.	mm	ft ³ /ft	m ³ /m	ft ³	m ³	ft ³	m ³
20.5	521	0.000	0.000	0.000	0.000	21.818	0.618
20	508	0.233	0.022	1.476	0.042	21.818	0.618
19	483	0.222	0.021	1.406	0.040	20.343	0.576
18	457	0.222	0.021	1.406	0.040	18.937	0.536
17	432	0.221	0.021	1.400	0.040	17.531	0.496
16	406	0.220	0.020	1.393	0.039	16.131	0.457
15	381	0.216	0.020	1.368	0.039	14.738	0.417
14	356	0.209	0.019	1.324	0.037	13.370	0.379
13	330	0.206	0.019	1.305	0.037	12.046	0.341
12	305	0.202	0.019	1.279	0.036	10.741	0.304
11	279	0.198	0.018	1.254	0.036	9.462	0.268
10	254	0.193	0.018	1.222	0.035	8.208	0.232
9	229	0.181	0.017	1.146	0.032	6.986	0.198
8	203	0.171	0.016	1.083	0.031	5.839	0.165
7	178	0.161	0.015	1.020	0.029	4.756	0.135
6	152	0.150	0.014	0.950	0.027	3.737	0.106
5	127	0.135	0.013	0.855	0.024	2.787	0.079
4	102	0.117	0.011	0.741	0.021	1.932	0.055
3	76	0.090	0.008	0.570	0.016	1.191	0.034
2	51	0.060	0.006	0.380	0.011	0.621	0.0318
1	25	0.038	0.004	0.241	0.007	0.241	0.007
Total		3.445	0.320	21.818	0.618	21.818	0.618

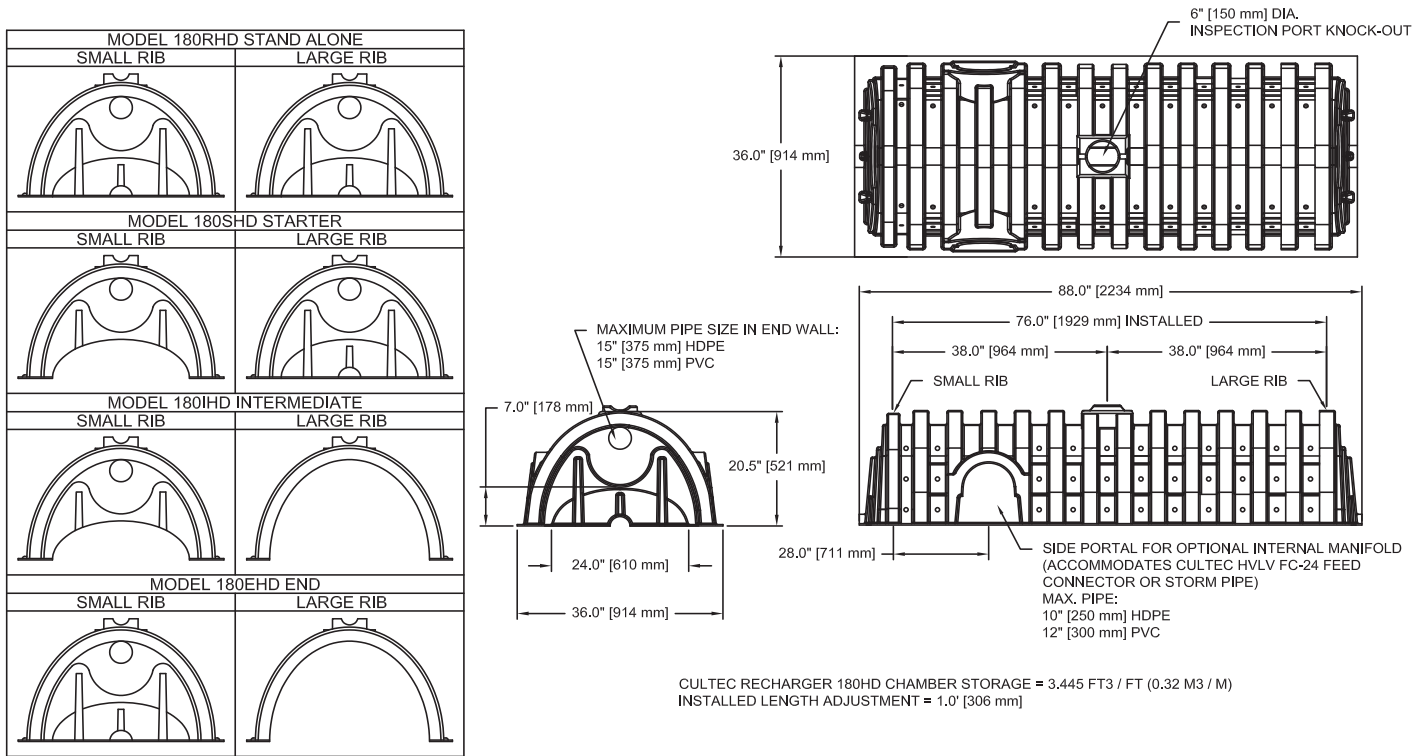
Calculations are based on installed chamber length.

For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.

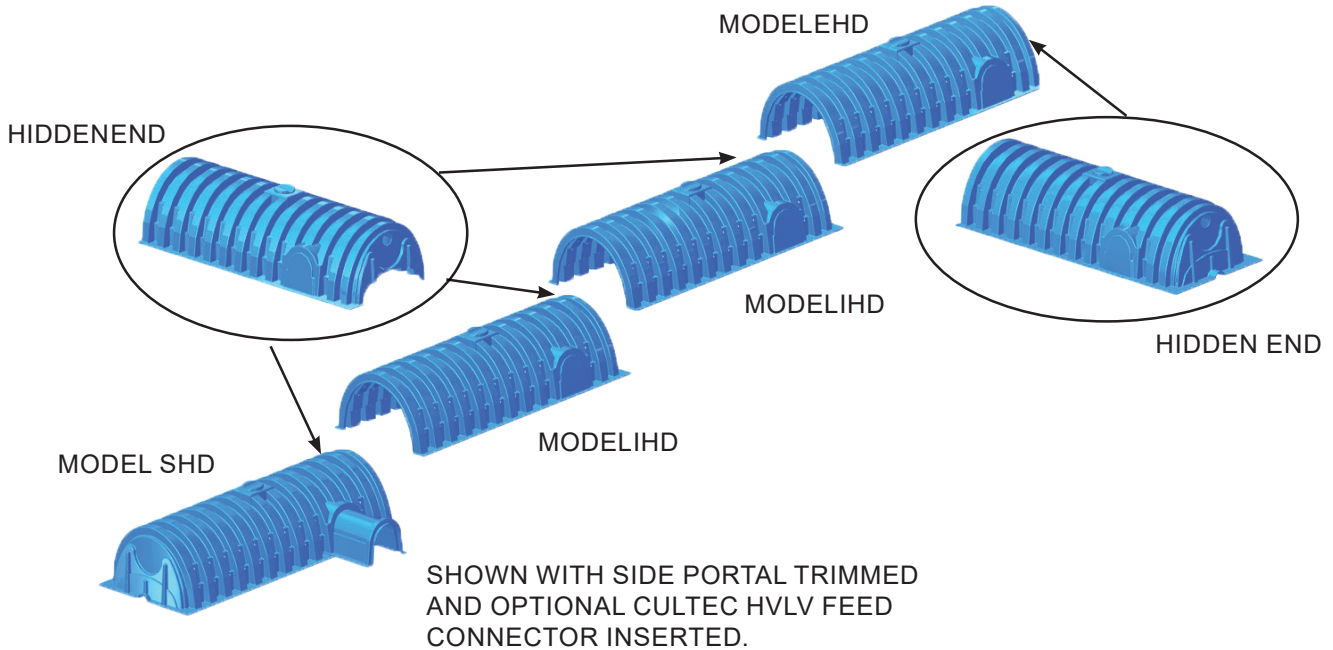


CULTEC Recharger® 180HD Stormwater Chamber

Three View Drawing



Typical Interlock Installation

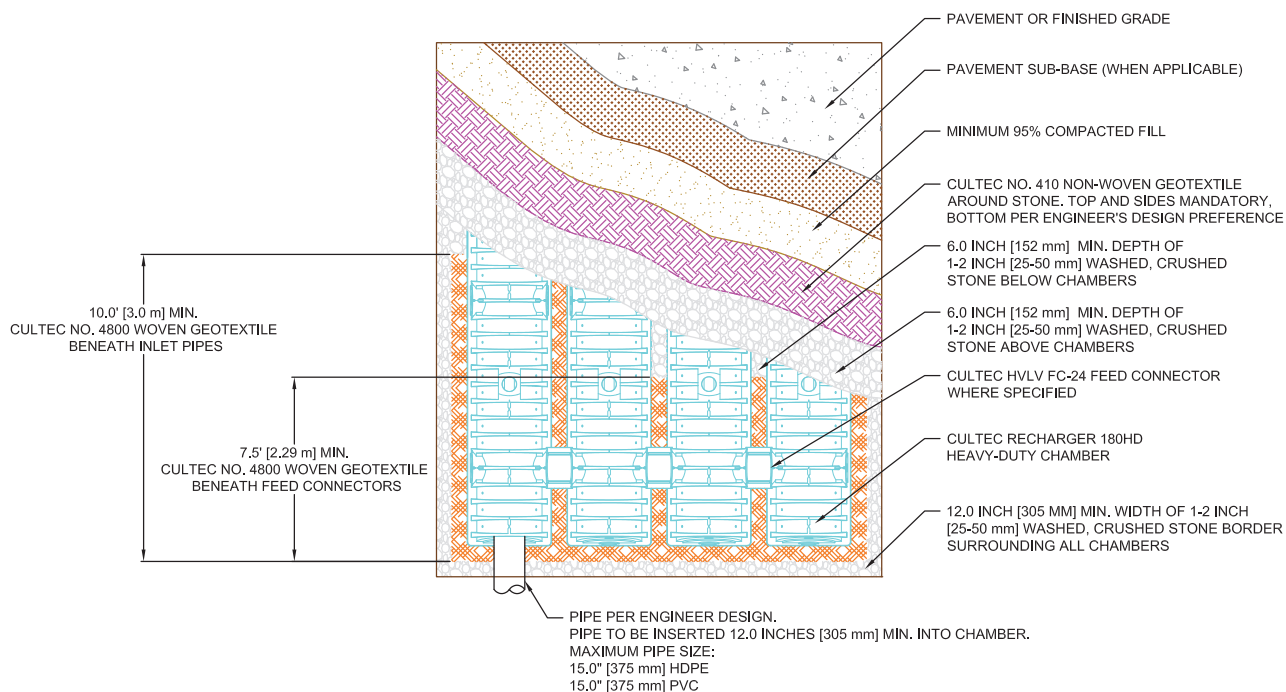


For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.

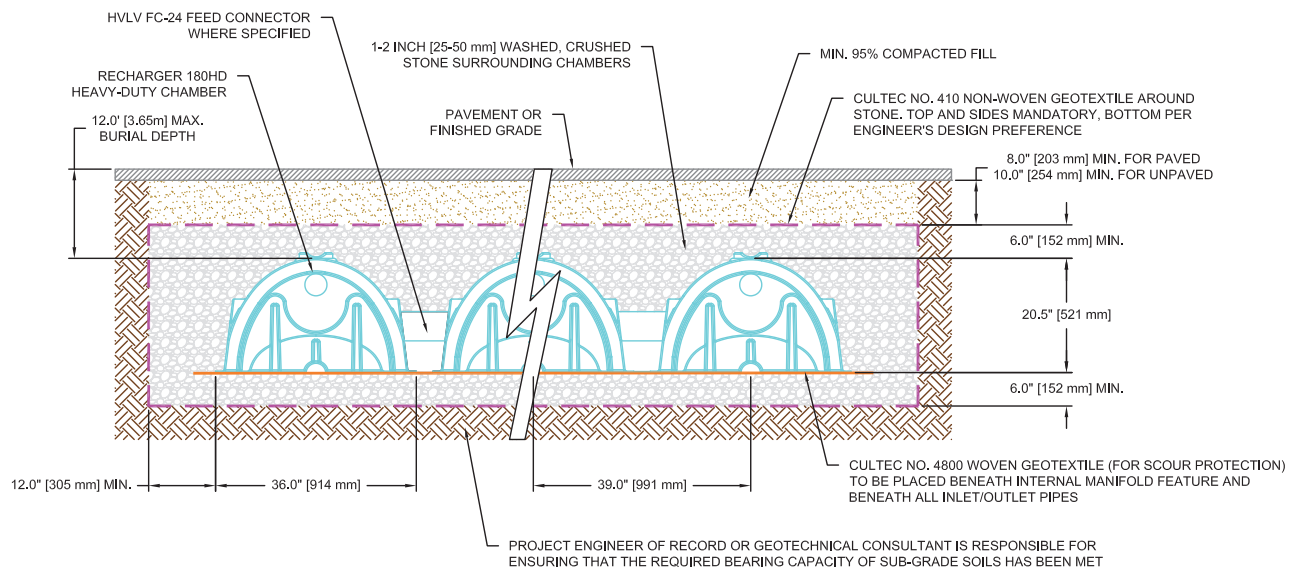


CULTEC Recharger® 180HD Stormwater Chamber

Plan View Drawing



Typical Cross Section for Traffic Application



For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.



CULTEC Recharger® 180HD Specifications

GENERAL

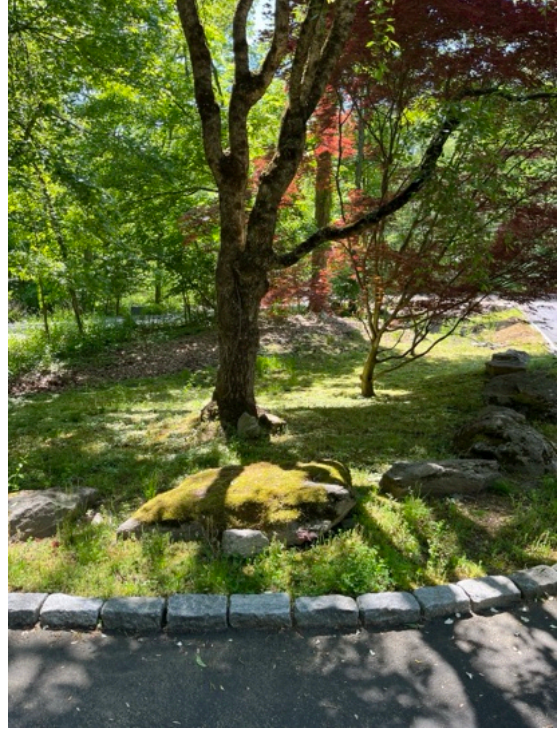
CULTEC Recharger® 180HD chambers are designed for underground stormwater management. The chambers may be used for retention, recharging, detention or controlling the flow of on-site stormwater runoff.

CHAMBER PARAMETERS

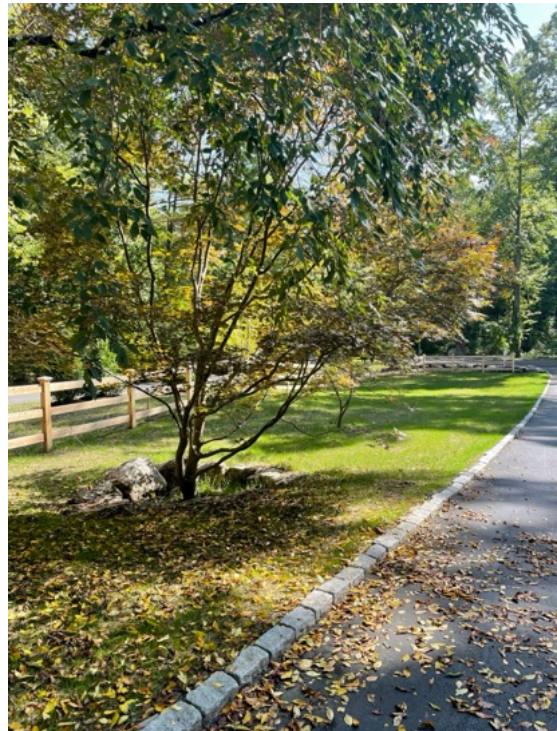
1. The chambers will be manufactured in the U.S.A. by CULTEC, Inc. of Brookfield, CT (cultec.com, 203-775-4416).
2. The chamber shall be vacuum thermoformed of polyethylene with a black interior and blue exterior.
3. The chamber will be arched in shape.
4. The chamber will be open-bottomed.
5. The chamber will be joined using an interlocking overlapping rib method. Connections must be fully shouldered overlapping ribs, having no separate couplings or separate end walls.
6. The nominal chamber dimensions of the CULTEC Recharger® 180HD shall be 20.5 inches (521 mm) tall, 36 inches (914 mm) wide and 7.33 feet (2.23 m) long. The installed length of a joined Recharger® 180HD shall be 6.33 feet (1.93 m).
7. Maximum inlet opening on the chamber endwall is 15 inches (375 mm) HDPE.
8. The chamber will have two side portals to accept CULTEC HVLV® FC-24 Feed Connectors to create an internal manifold. Maximum allowable O.D. in the side portal is 10 inches (250 mm) HDPE and 12 inches (300 mm) PVC.
9. The nominal chamber dimensions of the CULTEC HVLV® FC-24 Feed Connector shall be 12 inches (305 mm) tall, 16 inches (406 mm) wide and 24.2 inches (614 mm) long.
10. The nominal storage volume of the Recharger® 180HD chamber will be 3.445 ft³ / ft (0.32 m³ / m) - without stone. The nominal storage volume of a single Recharger 180RHD Stand Alone unit shall be 25.25 ft³ (0.72 m³) - without stone. The nominal storage volume of a joined Recharger® 180IHD Intermediate unit shall be 21.81 ft³ (0.62 m³) - without stone. The nominal storage volume of the length adjustment amount per run shall be 3.445 ft³ (0.32 m³) - without stone. The nominal storage volume of the HVLV® FC-24 Feed Connector will be 0.913 ft³ / ft (0.085 m³ / m) - without stone.
11. The Recharger® 180HD chamber will have seventy-eight discharge holes bored into the sidewalls of the unit's core to promote lateral conveyance of water.
12. The Recharger® 180HD chamber shall have 14 corrugations.
13. The endwall of the chamber, when present, will be an integral part of the continuously formed unit. Separate end plates cannot be used with this unit.
14. The Recharger® 180RHD Stand Alone/Starter unit must be formed as a whole chamber having two fully formed integral endwalls and having no separate end plates or separate end walls.
15. The Recharger® 180SHD Starter unit must be formed as a whole chamber having one fully formed integral end wall and one partially formed integral end wall with a lower transfer opening of 7 inches (178 mm) high x 24 inches (610 mm) wide.
16. The Recharger® 180IHD Intermediate unit must be formed as a whole chamber having one fully open end wall and one partially formed integral end wall with a lower transfer opening of 7 inches (178 mm) high x 24 inches (610 mm) wide.
17. The Recharger® 180EHD End unit must be formed as a whole chamber having one fully formed integral endwall and one fully open end wall and having no separate end plates or end walls.
18. The HVLV® FC-24 Feed Connector must be formed as a whole chamber having two open end walls and having no separate end plates or separate end walls. The unit will fit into the side portals of the Recharger® 180HD and act as cross feed connections.
19. Chambers must have horizontal stiffening flex reduction steps between the ribs.
20. The chamber will have a raised integral cap at the top of the arch in the center of each unit to be used as an optional inspection port or clean-out.
21. The units may be trimmed to custom lengths by cutting back to any corrugation on the large rib end.
22. The chamber shall be manufactured in an ISO 9001:2015 certified facility.
23. Maximum allowable cover over the top of the chamber shall be 12' (3.66 m).
24. The chamber shall be designed and manufactured to meet the material and structural requirements of IAPMO PS 63-2019, including resistance to AASHTO H-10 highway live loads, when installed in accordance with CULTEC's installation instructions.
25. The chamber will be designed to withstand traffic loads when installed according to CULTEC's recommended installation instructions.

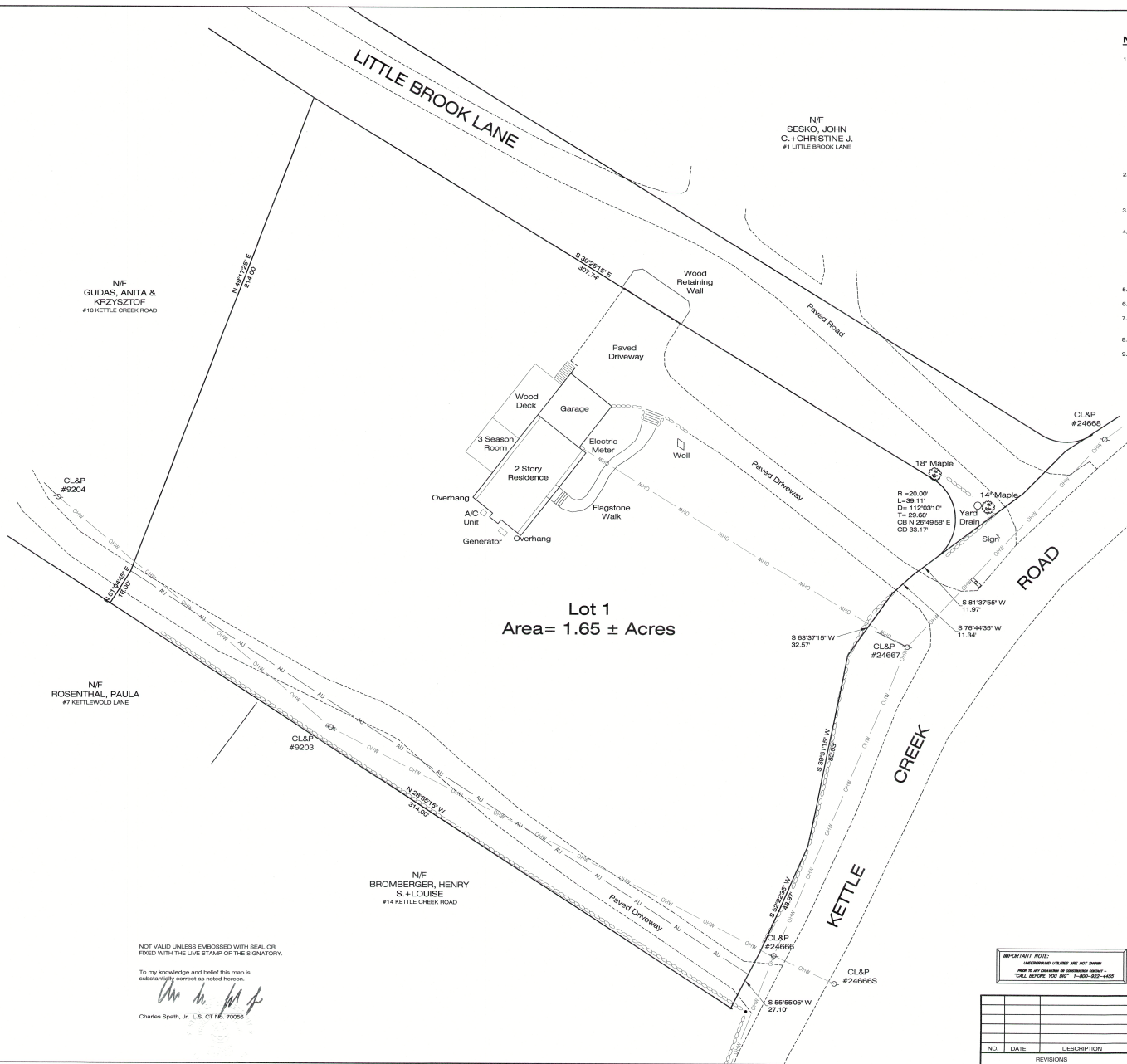
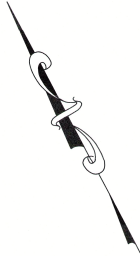
**TOWN OF WESTON, CT
INLAND WETLANDS AND WATERCOURSES APPLICATION
20 KETTLE CREEK ROAD**

May 2023



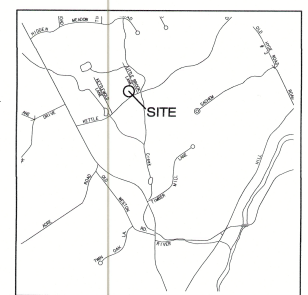
October 2023





Lot 1
Area = 1.65 ± Acres

- NOTES:**
- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE 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 ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A DATA ACCUMULATION PLAN BASED UPON A RESURVEY AND THE BOUNDARY DETERMINATION CONFORMING TO HORIZONTAL CLASS A-2. ANE IS INTENDED TO BE USED FOR EXISTING BUILDING LOCATION RELATIVE TO PROPERTY LINES. NO OTHER IMPROVEMENTS ARE INTENDED TO BE SHOWN.
 - PROPERTY LINES DEPICTED ON THIS MAP ARE "BEST FIT" BASED UPON THE LIMITED MONUMENTATION FOUND AND FIELD LOCATED BY THIS OFFICE. WHILE CONSIDERED MOST LIKELY CORRECT, THE PROPERTY LINES DEPICTED HEREON ARE SUBJECT TO REVISION BY APPROPRIATE LEGAL PROCEEDINGS OR BY THE DISCOVERY OF ADDITIONAL INFORMATION.
 - REFERENCE IS MADE TO THE FOLLOWING DOCUMENTS ON FILE IN THE WESTON TOWN CLERK'S OFFICE:
 - RECORD MAP - 1661
 - THE NORTH BEARING IS BASED UPON THE STATE OF CONNECTICUT GRID NORTH (N.A.D. 1983 DATUM).
 - THE UNDERGROUND UTILITIES SHOWN, IF ANY, HAVE BEEN LOCATED FROM VISIBLE FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN CARRYING ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES HEREBY DECLARE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
 - TOTAL AREA OF LOT IS 1.65 ± ACRES.
 - LOT IS LOCATED IN ZONE R-2AC. MINIMUM REQUIRED PROPERTY LINE SETBACKS.
 - REFERENCE IS HEREBY MADE TO CONNECTICUT STATE STATUTES SECTION 8-13A, AS AMENDED, WITH REGARD TO EXISTING STRUCTURES THREE OR MORE YEARS OLD.
 - INLAND WETLAND REGULATED AREAS, IF PRESENT, ARE NOT INTENDED TO BE SHOWN.
 - IT IS THE OWNERS AND/OR CONTRACTORS RESPONSIBILITY TO OBTAIN ANY AND ALL REQUIRED PERMITS AND/OR VARIANCES THAT MAY BE REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITY.



VICINITY MAP
SCALE: 1"=1000'

- LEGEND**
- EXISTING DRAINAGE
 - BUILDING SETBACK LINES
 - WETLANDS REVIEW AREA LIMIT
 - PROPERTY LINE
 - HEDGE
 - STONEWALL
 - METAL FENCE
 - WOOD FENCE
 - OVERHEAD UTILITY WIRES
 - LIMIT OF INLAND WETLANDS
 - LIMIT OF INLAND WETLANDS
 - EXISTING WELL
 - WATER VALVE
 - GAS VALVE
 - UTILITY POLE
 - HYDRANT
 - SIGN
 - CATCHBASIN (ROUND)
 - CATCHBASIN
 - YARD DRAIN
 - LAMP POST

NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY.

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

Charlee Spahr, Jr.

Charlee Spahr, Jr., L.S., C.T. No. 70056

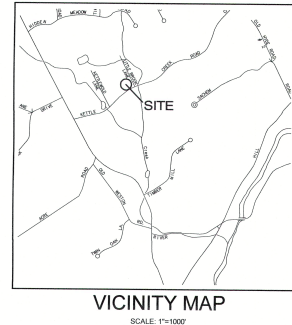
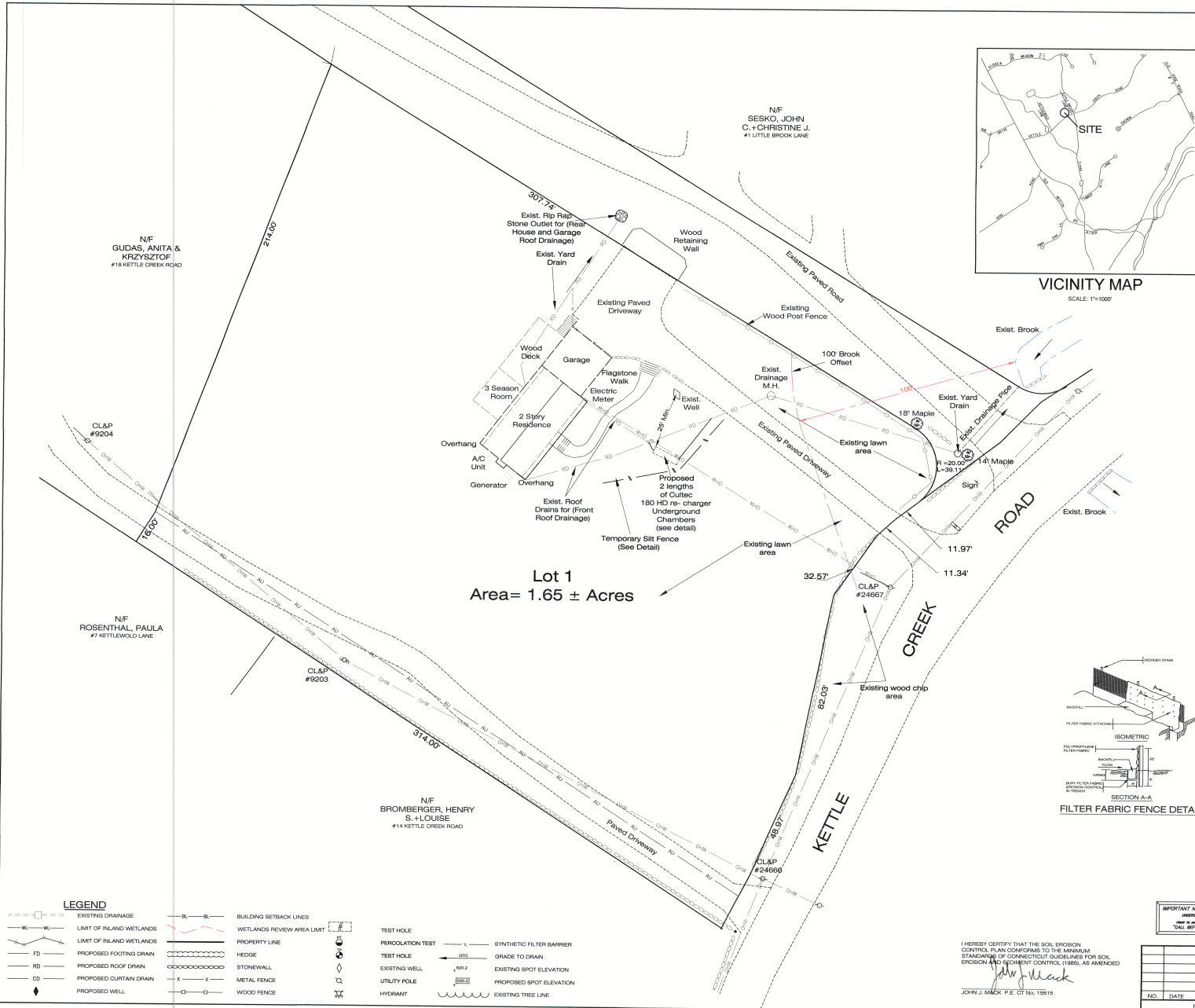
IMPORTANT NOTE:
UNRECORDED UTILITIES ARE NOT SHOWN.
ASK AN EXPERT FOR COMPLETION NOTES!
CALL BEFORE YOU DIG! 1-800-452-4143

DATA ACCUMULATION PLAN
MBL : 30 3 12
20 KETTLE CREEK ROAD
WESTON, CONNECTICUT
PREPARED FOR
MALCOLM AND SCHUYLER KEMENY

DATE: 08-26-2023 SCALE: 1"=20' DRAFTER: MJD JOB NUMBER: 2241 FILE #: 1/1

STUART SOMERS CO., LLC
Complete Professional Services
2000 Park Road, Suite 200
Weston, CT 06893
Phone: 203-251-0171 Fax: 203-251-0408
Email: info@stuart-somers.com

NO.	DATE	DESCRIPTION

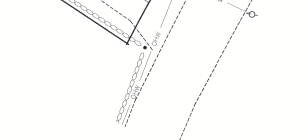
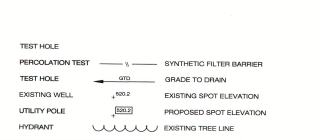
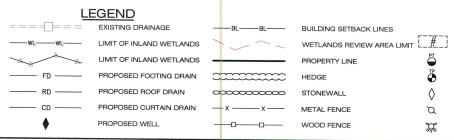
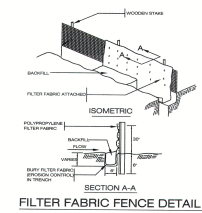
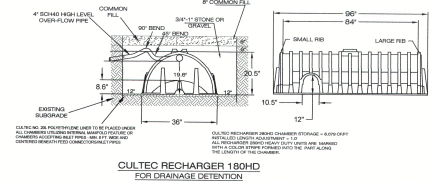


MAP REFERENCE AND GENERAL NOTES

1. These plans are for review by governmental agencies only and are not to be used for construction.
2. All construction methods, materials and installations are to conform to all applicable local and state regulations.
3. Grading to be according to applicable regulations a normal standards of good practice.
4. It is the contractor's responsibility to verify all on site and off site field conditions and establish that no changes have occurred since the issuance of this plan. The design engineer is to be notified of any field conditions which conflict with this plan.
5. The location of underground utilities, if any, is unknown.
6. Existing on site topography and site features are from a field survey performed by this office.
7. Existing building will be served with private septic disposal system and onsite well.
8. Refer to soil erosion control plans for all erosion control information.
9. All construction to be done to the Town of Weston standards.
10. Elevations refer to NAVD 88 datum.
11. All utilities to be installed underground.
12. Inverts for all culverts and flared ends to be modified if necessary by field conditions.
13. All storm sewer pipe shall be CIP unless approved otherwise by the public works.
14. Erosion control settings shall be utilized where deemed necessary.
15. Any retaining walls greater than 3 feet shall be designed by a structural engineer.

THE FOLLOWING GENERAL SPECIFICATIONS WILL ALSO BE ADHERED TO:

1. Land disturbance will be kept to a minimum. Reestablishment will be scheduled as soon as practical.
2. Hay bale filters will be installed at all culvert outlets and along the toe of all critical cut and fill slopes, clogged, or decomposing hay bales shall be replaced immediately.
3. Culvert discharge areas will be protected with rip-rap channels. Energy dissipators will be provided as necessary.
4. Catch basins will be protected with crushed stone, hay bale filters, or silt sacks (as appropriate) throughout the construction period and until all disturbed areas are thoroughly stabilized.
5. All erosion and sediment control measures will be constructed in accordance with the standards and specifications of the "Guidelines for Soil Erosion and Sediment Control" of the State of Connecticut, as amended.
6. Erosion and sediment control measures will be installed prior to construction whenever possible.
7. All control measures will be maintained in effective condition throughout the construction period.
8. Additional control measures will be installed during construction if necessary or required.
9. The responsibility for implementing the erosion and sediment control plan will rest with the owner, who is also responsible for informing all concerned of the requirements of the plan, for notifying the planning administration of any transfer of responsibility and for seeing that a copy of the site plan accompanies the title to the land be transferred.



I HEREBY CERTIFY THAT THE SOIL EROSION CONTROL PLAN CONFORMS TO THE MINIMUM STANDARDS OF CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (1988), AS AMENDED.

John J. Mack
JOHN J. MACK P.E. CT No. 15815

IMPORTANT NOTE:
UNDERGROUND UTILITIES ARE NOT SHOWN. IF YOU SUSPECT AN UNDERGROUND UTILITY, CALL BEFORE YOU DIG! 1-800-832-4442

NO.	DATE	DESCRIPTION

SITE & EROSION CONTROL PLAN
 MBL : 30 3 12
 20 KETTLE CREEK ROAD
 WESTON, CONNECTICUT
 PREPARED FOR
 MALCOLM AND SCHUYLER KEMENY

DATE: 9-08-2023 SCALE: 1"=20' DRAFTER: JIM JOB NUMBER: 2241 FILE #: XXXX

STEWART ZWANEK, LLC
 Consulting Engineers & Surveyors
 1111 Main Street, Suite 200
 Weston, Connecticut 06898
 Phone: 203.266.8211 Fax: 203.266.8848
 Email: info@stewartzwaneck.com

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