TOWN OF WESTON
CONSERVATION COMMISSION

INLAND WETLANDS AND WATERCOURSES APPLICATION FORM

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")

TITLE OF PROJECT: (general purpose) Driveway widening 142 Steep Hill Road

ADDRESS OF PROPERTY: 142 Steep Hill Road

Utility pole # nearest entrance: 25656 Assessor's Map # 19 Block # 1 Lot # 84
Total Acres 2.145 Total Acres of Wetlands and Watercourses <1
Acreage of Wetlands and Watercourses Altered <1 Upland Area Altered: <1 Acres
Linear Feet of Stream Alteration N/A Total Acres Proposed Open Space N/A

OWNER(S) (Please list all owners, attach extra sheet if necessary)
Name: Jonathan Rogers Phone: 203-943-3544
Address: 229 Good Hill Road, Weston
Email: jon @ jdrogersdev.com

APPLICANT/AUTHORIZED AGENT
Name: Same Phone:
Address:
Email:

CONSULTANTS (Please provide, if applicable)

Engineer: Phone:
Address:
Email:

Soil Scientist: Phone:
Address:
Email:

Legal Counselor: Phone:
Address:
Email:

Surveyor: J Edwards & Associates Phone: 203-268-4205
Address: 274 Stepney Road, Easton
Email: Jason@edwardsassoc.com

For Commission Use Only

APPLICATION NO. FEE PAID
REC'D IN OFFICE REC'D BY COMM.
IF PUBLICE HEARING, OPENED CLOSED
ACTION

PROPERTY INFORMATION

Property address: 142 Steep Hill rd

The property ☒ is ☐ is not within a subdivision

Property to be affected by proposed activity contains:

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

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

☐ Alteration ☐ Construction ☐ Pollution
☐ Discharge to ☐ Discharge from ☒ Bridge or Culvert
☐ Removal of Materials ☐ Deposition of Materials
☒ Other Widening the driveway approx. 3', Extend existing Culvert 3'-4'

Amount, type, and location of materials to be removed, deposited, or stockpiled:
Approximately 50 cubic yrds

Description, work sequence, and duration of activities:
Place broken stone and processed material onlong the edge of the existing drivewy to increase its by approximately 3'. Extend the existing culvert 3-4'.

Describe alternatives considered and why the proposal described herein was chosen: _____

The activity ☐ does ☒ does not involve the installation or repair of a septic system(s)

The Westport Weston Health District ☒ has approved ☐ has not approved the plan

Square feet of proposed impervious surfaces (roads, buildings, parking, etc.): 300

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:

Brian Roach, 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 Statues for knowingly providing false or misleading information.

_____

Signature of Owner 1 Date

_____

Signature of Owner 2 Date

FOR OFFICE USE ONLY

☐ Administrative Approval

_____

Initials Date

TOWN OF WESTON
CONSERVATION COMMISSION

INLAND WETLANDS AND WATERCOURSE AREA APPLICATION REQUIREMENTS AND PROCEDURES

In addition to the application form for permission to conduct a regulated activity in inland wetlands and watercourse area, applicants must submit the following information:

☐ A-2 Survey map and/or site sketch of at least 1" = 40'

- ☐ Title of project
- ☐ Name, signature, and professional seal(s)
- ☐ Date map prepared, date of most recent revision, and brief description of revision
- ☐ Show locations of wetlands, 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
- ☐ Locus
- ☐ Property lines
- ☐ Edge of review area, 100' setback. This area may be enlarged for certain activities on or above steep slopes or other physical conditions that may adversely impact wetlands
- ☐ Topographic contour lines – 2 foot intervals

☐ Grading and erosion control plan
☐ Construction sequence
☐ List of names and addresses of adjacent property owners and abutters, include addressed and stamped business envelopes
☐ Proof of certified mailings to Aquarion Water Company and adjoining municipalities, if relevant
☐ If a Soil Scientist is involved, his/her name, written report, and field sketch
☐ All deeds, conservation easements, or restrictions associated with the property
☐ Location of the 100 year flood line, if applicable
☐ Tree removal plan of all trees greater than 12" in diameter
☐ Diagrams of alternatives considered
☐ Completed Part II of the DEEP Statewide Inland Wetlands & Watercourses Activity Reporting Form

Weston Conservation Commission
Meeting Schedule for 2020

TOWN HALL ANNEX CONFERENCE ROOM, 24 SCHOOL ROAD, 7:30 P.M.

4th Thursday (except for November and December when meetings will be the 3rd Thursday)

Meeting Date	Application Submittal Date by Noon	Site Walk Date
January 23	January 16	January 11
February 27	February 20	February 8
March 26	March 19	March 14
April 23	April 16	April 4
May 28	May 21	May 16
June 25	June 18	June 13
July 23	July 16	July 11
August 27	August 20	August 15
September 24	September 17	September 12
October 22	October 15	October 10
November 19	November 12	November 7
December 17	December 10	December 5

Instructions for filing an application for the Conservation Commission

1. Fill out application form **completely** with phone numbers and email addresses
2. Use the name of the home owner
3. Have the home owner sign the application form
4. Get a letter of authorization from the home owner for you to represent
5. Prepare white stamped business envelopes with the name of each adjacent property owner and submit with the application
6. Prepare four (4) copies each of the application form and detailed site plan with the wetlands marked with footages from the activity to the wetlands
7. Fee: check made out to the Town of Weston:

   Significant activity under 500 square feet of disturbed soil: $300

   Substantial activity over 500 square feet of disturbed soil: $600

   Administrative Review:

   Under 500 square feet of disturbed soil $100

   Over 500 square feet of disturbed soil $300

   Subdivisions, commercial activities & major civil works $600 + $200 per lot

ADD AN ADDITIONAL $60.00 TO THE ABOVE FEE FOR THE STATE

Bring all information to AnnMarie Fontana, Administrative Assistant to the Conservation Commission at Town Hall Annex, 24 School Road, at least one week prior to the meeting date.

The Commission meets once per month, according to the attached meeting schedule, at 7:30 p.m. in the Conference Room, located in the Town Hall Annex, 24 School Road.

You will be notified by mail with an agenda of the meeting.

Each application takes two or more meetings depending on the activity. If the application is complete, it will be received at the first meeting. The Commission will take a site walk which will occur on a Saturday morning beginning at 8 a.m.; the date is noted on the agenda. At the second meeting, hopefully, the application will be approved.

If you need assistance with your wetland activity, David Pattee, Conservation Officer, is available at 203.222.2681, on Tuesdays, Wednesdays, and Thursdays, or call AnnMarie Fontana, Administrative Assistant to the Conservation Commission at 203.222.2618.

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

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 as well.

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 page.

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 page. **Please mail only the completed yellow reporting form to**:

Wetlands Management Section
Inland Water Resources Division
Department of Energy & Environmental Protection
79 Elm Street, 3rd Floor
Hartford, CT 06106

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

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.

PLEASE PRINT CLEARLY

PART I: To Be Completed By the Inland Wetlands Agency Only

1. Enter 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. Enter ONE year and month per form.

2. Enter ONE code letter to describe the final action or decision taken by the Inland Wetlands Agency. *Do not submit a reporting form for withdrawn applications.* Do not enter multiple code letters (for example: if an enforcement notice was given and subsequent permit issued - two forms for the two separate actions are to be completed).

   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 Notice of Violation, Order, Court Injunction, or Court Fines
   F = A Jurisdictional Ruling by the Inland Wetlands Agency (i.e.: 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. See the following website for USGS Quad Map names and numbers:
   http://ct.gov/deep/lib/deep/gis/resources/Index_NamedQuadTown.pdf

   ALSO enter the four-digit identification number of the corresponding Subregional Drainage Basin in which the action/project/activity is located. If the action/project/activity is 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: http://clear.uconn.edu/data/map_set/index.htm

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 the action/project/activity is TEMPORARY or PERMANENT in nature. Also provide a brief description of the action/project/activity.

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

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

10. Enter between one and four code numbers to best characterize the project or 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 (buffer, setback). You must provide code 14 if the activity is located BEYOND the established upland review area (buffer, setback) or NO established upland review area (buffer, setback) exists.

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

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. Permitted dredging of a pond must use code 11; other possible codes are 12 and 5.

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, 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 that 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. 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 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 agency permits, denials, amendments, and enforcement actions. Inland wetlands agencies may have established an upland review area (also known as a buffer or setback) in which activities are regulated. Agencies may also regulate activities beyond these established areas. You MUST provide all information in ACRES including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. Enter zero if there is no alteration. Remember that these figures represent only the upland acreage altered as a result of an activity regulated by the inland wetlands agency, or as a result of an agent approval.

13. Enter the acres that are, or are proposed to be, restored, enhanced or created for all agency permits, denials, amendments, 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 (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. To convert from square feet to acres, divide square feet by the number 43,560. 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.

Connecticut Department of
ENERGY & ENVIRONMENTAL PROTECTION

GIS CODE #: ___ ___ ___ ___ ___ ___ ___ ___ ___
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete - print clearly - and mail this form in accordance with the instructions on pages 2 and 3 to:
Wetlands Management Section, Inland Water Resources Division, CT DEEP, 79 Elm Street – 3rd Floor, Hartford, CT 06106

PART I: To Be Completed By the Municipal Inland Wetlands Agency Only

1. DATE ACTION WAS TAKEN (enter one year and month): Year _____ Month _____
2. ACTION TAKEN (enter one code letter): _____
3. WAS A PUBLIC HEARING HELD (check one)? Yes _____ No _____
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:

   (type name) _____ (signature) _____

PART II: To Be Completed By the Municipal Inland Wetlands Agency or the Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING (type name): Weston

   Does this project cross municipal boundaries (check one)? Yes _____ No X

   If Yes, list the other town(s) in which the action is occurring (type name(s)): _____, _____
6. LOCATION (see directions for website information): USGS Quad Map Name: _____ or Quad Number: _____

   Subregional Drainage Basin Number: _____
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): Applicant: Jon Rogers
8. NAME & ADDRESS/LOCATION OF PROJECT SITE (type information): 142 Steep Hill rd

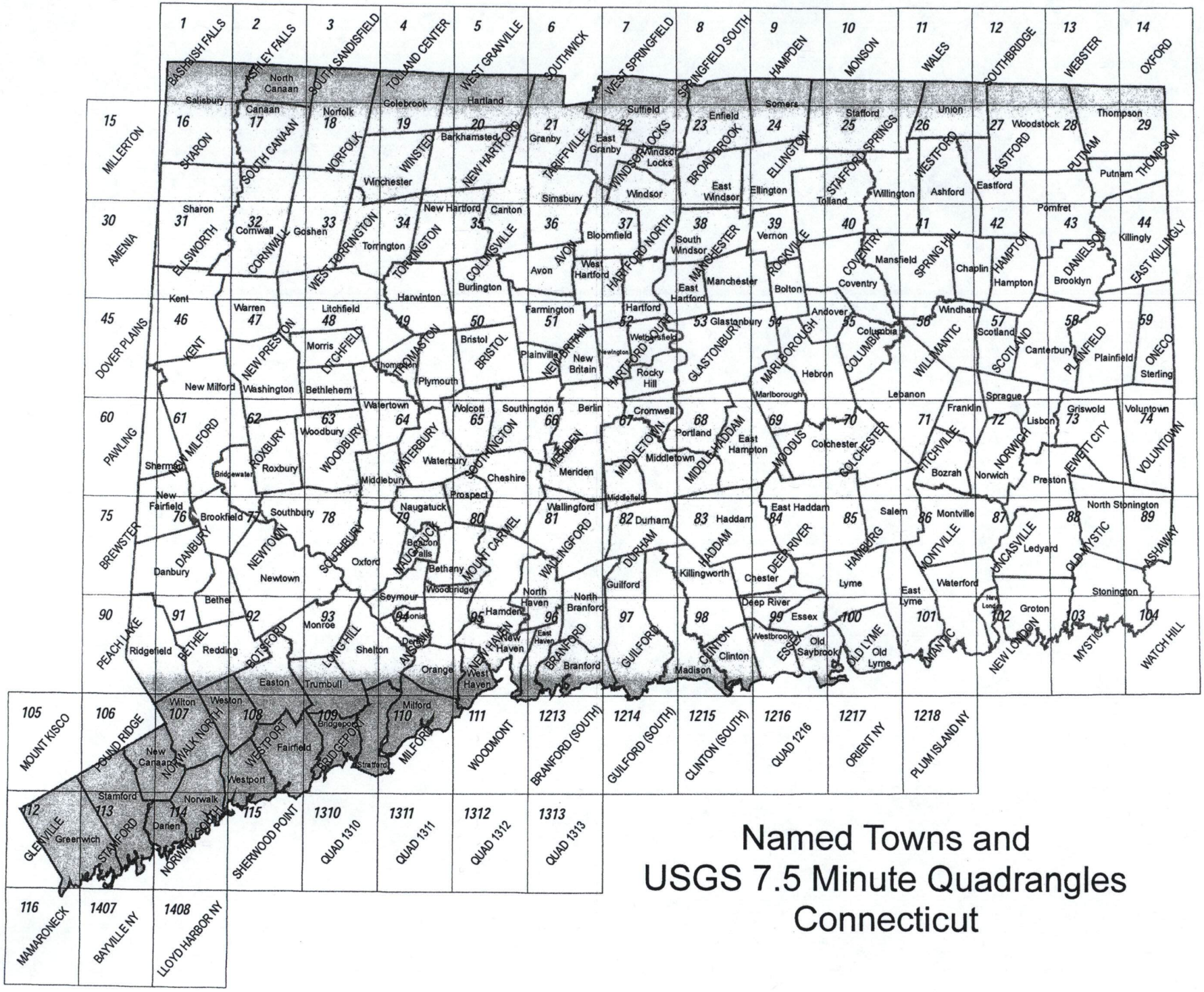
   Briefly describe the action/project/activity (check and type information): Temporary _____ Permanent X

   Description: _____
9. ACTIVITY *PURPOSE* CODE (enter one code letter): A
10. ACTIVITY *TYPE* CODE(S) (enter up to four code numbers): 1, 2, 7, 9
11. WETLAND / WATERCOURSE AREA ALTERED (type in acres or linear feet as indicated):

    Wetlands: <1 acres Open Water Body: _____ acres Stream: 5 linear feet
12. UPLAND AREA ALTERED (type in acres as indicated): _____ acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type in acres as indicated): _____ acres

DATE RECEIVED: **PART III: To Be Completed By the DEEP** DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO FORM CORRECTED / COMPLETED: YES NO



Named Towns and USGS 7.5 Minute Quadrangles Connecticut

WESTON

CONNECTICUT SUBREGIONAL BASINS AND SURFACE WATER FLOW DIRECTIONS

Explanation

Town Boundary

Subregional Watershed Boundary

4201 Subrg. Basin ID# - as designated by CTDEP

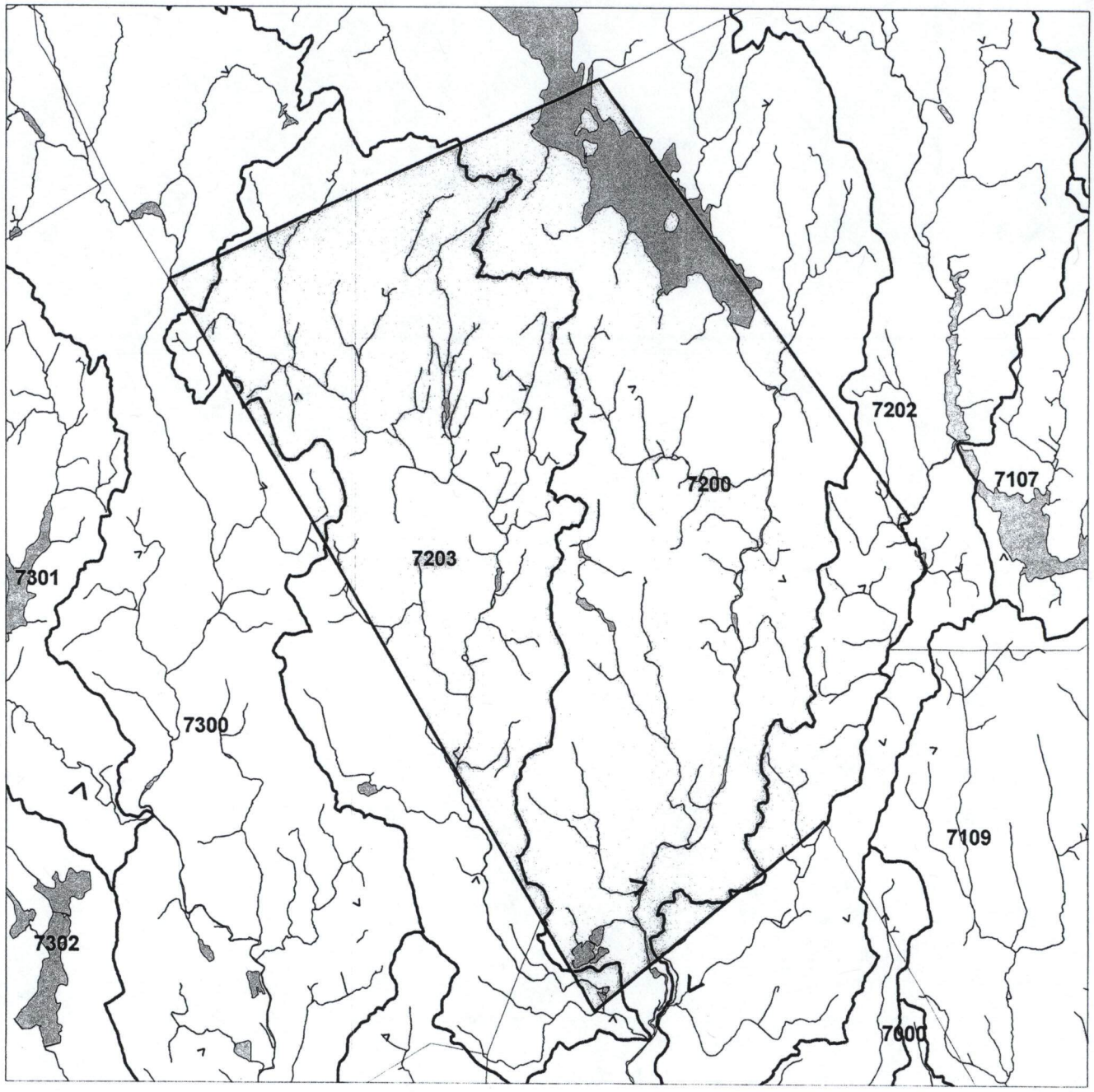
Watercourse Open Water

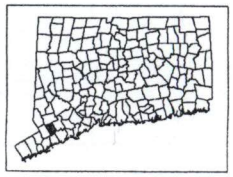
< Basin Outlet

< Surface Water Flow Direction

The table provides statistics for each subregional basin. Shown are the areas of the basin within the town, the percentage for that area, and the percent of the town covered by each basin.

Sbas_no	AcresInTw	Percofbs	Percoftwn
7200	6796.16	21.9	51.4
7202	1156.03	7.8	8.7
7203	5065.58	66.4	38.3
7300	202.24	1.0	1.5





Town Area: 13220 Acres

Digital layers provided by the CTDEP.
Map composed by the NEMO project.
For educational purposes only.

1 0 1 Miles

The University of Connecticut, CES: November 02, 1999

Attachment to Applications to the Weston Conservation Commission, Planning & Zoning Commission and Board of Zoning Appeals

Notification Process for Applicants with Projects in Public Water Supply Watersheds or Aquifer Protection Areas

Effective October 1, 2006, the Commissioner of the Connecticut Department of Public Health (CTDPH) must be notified by applicants before the Town's Conservation Commission, Planning & Zoning Commission, Zoning Board of Appeals for any project located within a public water supply watershed or aquifer protection area. This notification is in addition to the required notification to the water companies. Any forms of past notification to the water companies are not changing with this new CTDPH notification requirement.

The process that an applicant must follow to satisfy the CTDPH notification requirement is:

1. Refer to the map "Weston, CT Public Drinking Water Source Protection Areas" to determine whether your project falls within a public water supply watershed (PWSID:CT0150011) or aquifer protection area(A14). The map is available for viewing at Weston Town Hall Annex in the Planning and Zoning Commissions Office and in the Conservation Planner's Office.
2. Go to the CTDPH website at www.ct.gov/dph/
3. Click on "Services and Programs" and then "A-Z Topics"
4. Scroll to "D" and then click on "Drinking Water"
5. Click on "Source Protection/ Planning"
6. Click on "Source Water Protection"
7. Click on " Watershed or Aquifer Area Project Notification Form"
8. Complete the Watershed or Aquifer Area Project Notification Form and submit the form by email to dph.swpmail@ct.gov

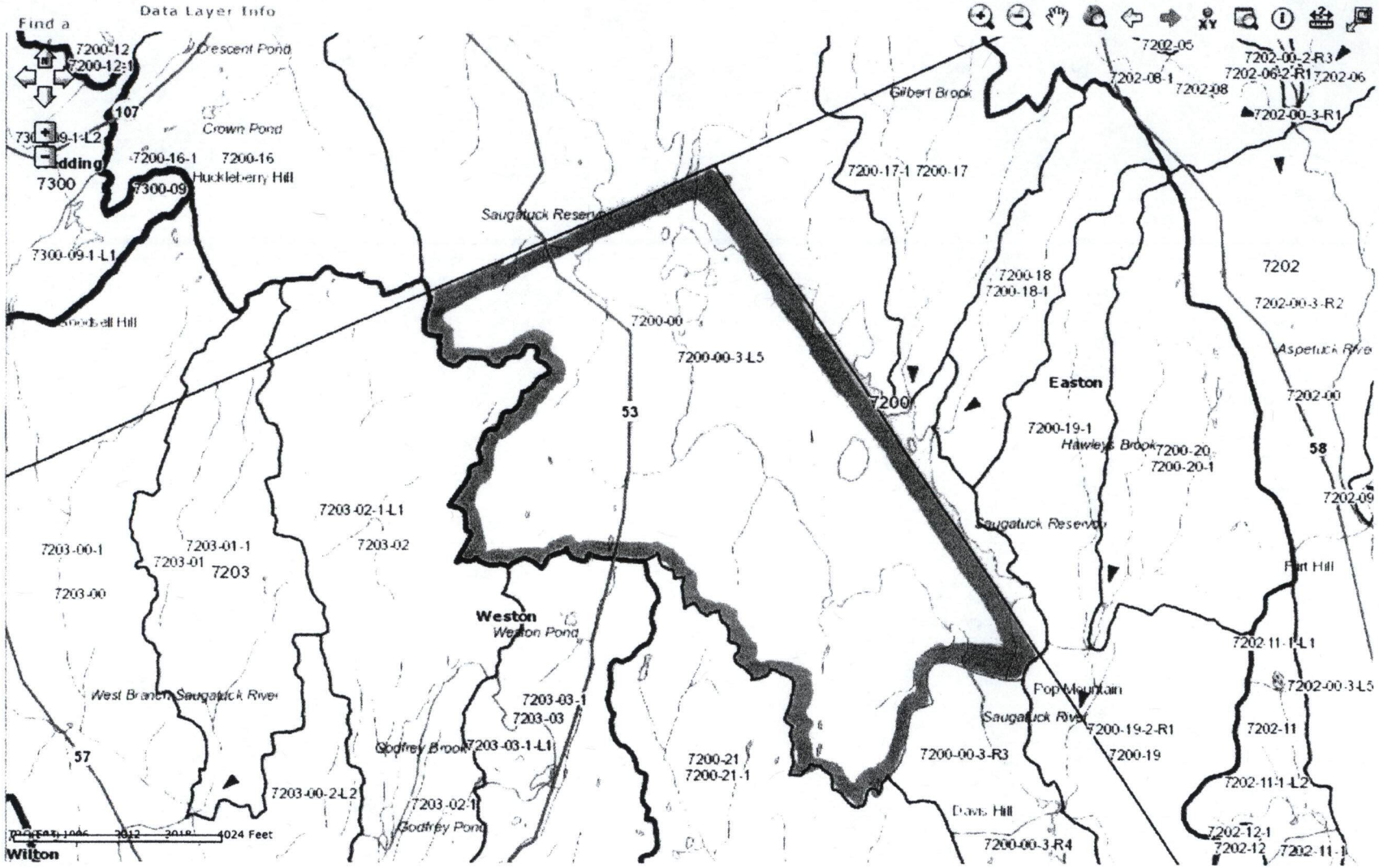
Find an Address

Results

Map Contents

Find a

Data Layer Info



Home About Contact CLEAR CT DEEP FAQs

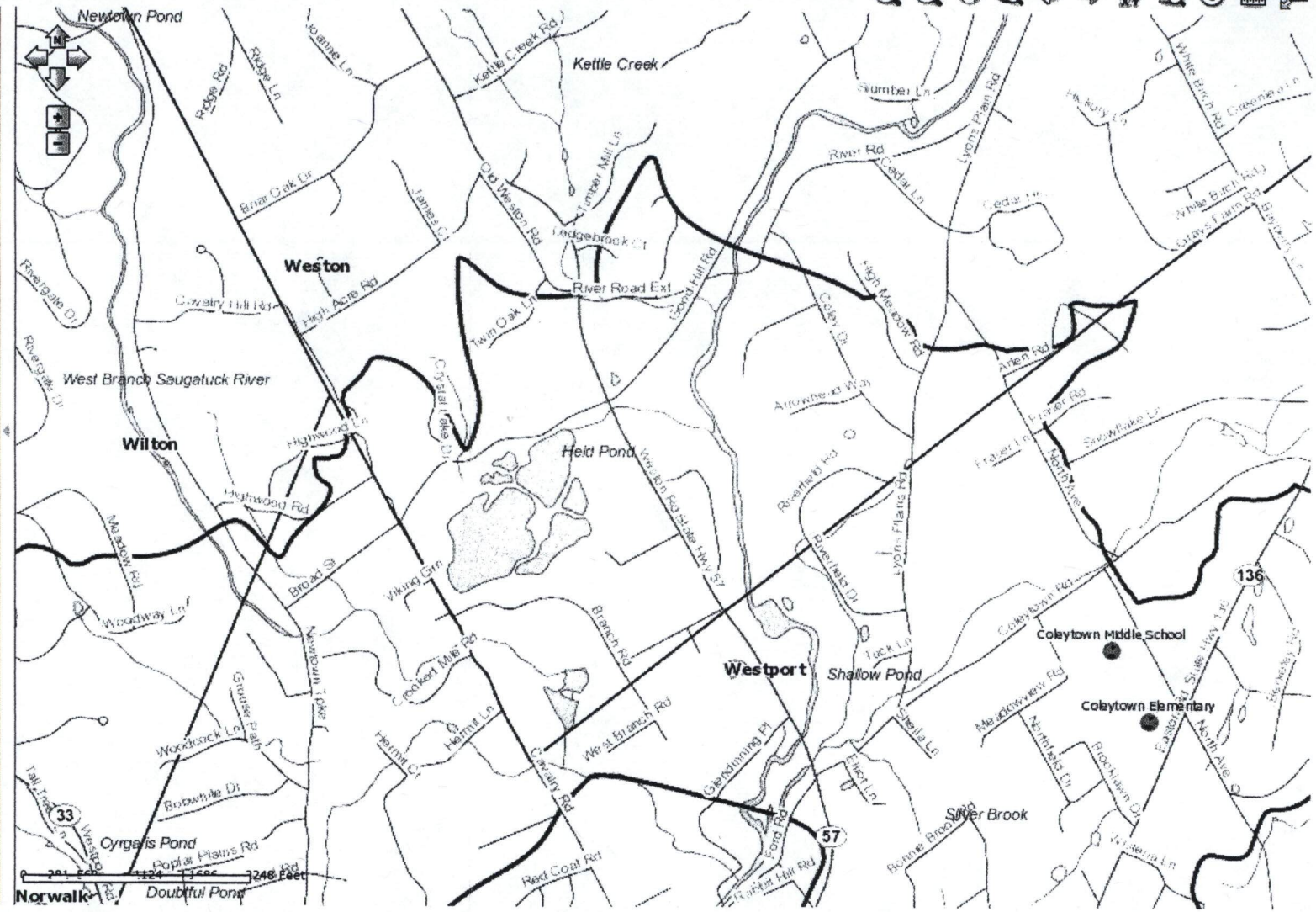
Find an Address Find a

Data Layer Info

Results

Map Contents

Assessed Waterbody 3(



Watershed or Aquifer Area Project Notification Form

REQUIREMENT:

Within seven days of filing, all applicants before a municipal Zoning Commission, Planning and Zoning Commission, Zoning Board of Appeals or Inland Wetlands Commission for any project located within a public water supply aquifer or watershed area are reguired by Public Act No. 06-53 of the CT General Statutes to notify The Commissioner of Public Health and the project area Water Company of the proposed project by providing the following information.

To determine if your project falls within a public water supply aquifer or watershed area visit the appropriate town hall and look at their *Public Drinking Water Source Protection Areas* map. If your project falls completely within or contain any part of a public water supply aquifer or watershed you are required to complete the following information.

Note: You will need information obtained from the *Public Drinking Water Source Protection Areas* map located in the appropriate town hall to complete this form.

Step 1: Have you already notified the CT Department of Public Health (CTDPH) of this project?

☐ No, Go to Step 2

☐ Yes, I have notified DPH under a different project name - Complete steps 4-6

☐ Yes, same name different year - Notification Year ☐ Complete steps 4-6

Step 2:

1. Name of public water supply aquifer your project lies within: A14
2. Name of the public water supply watershed your project lies within: Saugatuck Reservoir
3. Public Water Supply Identification number (PWSID) for the water utility: CT0150011

Step 3: For 1-5 Check all that apply

1. My project is proposing:

☐ Industrial use; ☐ Commercial use; ☐ Agricultural use; ☐ Residential use;

☐ Recreational use; ☐ Transportation improvements; ☐ Institutional (school, hospital, nursing home, etc.);

☐ Quarry/Mining; ☐ Zone Change, Please Describe:

☐ Other, Please describe:

2. The total acreage of my project is:

☐ Less than or equal to 5 acres ☐ Greater than 5 acres

3. My project site contains, abuts or is within 50 feet of a:

☐ Wetland; ☐ Stream; ☐ River; ☐ Pond or Lake

4. Existing use of my project site is:

☐ Grassland/meadow; ☐ Forested; ☐ Agricultural; ☐ Transportation; ☐ Institutional (school, hospital, nursing home, etc.); ☐ Residential; ☐ Commercial; ☐ Industrial; ☐ Recreational; ☐ Quarry/Mining

☐ Other Please Describe: _____

5. My project will utilize:

☐ septic system; ☐ existing public sewer; ☐ new public sewer; ☐ agricultural waste facility;

☐ existing private well; ☐ new private well; ☐ existing public water supply;

☐ new public water supply, if new have you applied for a certificate of public convenience and necessity from DPH? ☐ Yes ☐ No

6. My project will contain this percentage of built up area (buildings, parking, road/driveway, pool): ☐ Less than or equal to 20% ☐ Greater than 20% to 50% ☐ Greater than 50%

Step: 4 Applicants Contact Information:

Name: _____

E-mail address: _____

Telephone: _____

Fax number: _____

Step 5: Please provide the following if available:

Project name: _____

Project site address: _____

Town: _____

Project site nearest intersection: _____

Project site latitude and longitude: _____

E-mail completed form to dph.swpmail@ct.gov

SURVEY NOTES:

1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20–300b–1 THRU 20–300b–20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A–2 AND VERTICAL ACCURACY CLASS V–2 AND INTENDED TO BE USED FOR REGULATORY APPROVAL.
2. REFERENCE IS MADE TO THE FOLLOWING MAPS:
   A) "CORRECTED MAP OF PROPERTY PREPARED FOR JACK HELD, WESTON, CONN." SCALE 1"=100'. DATED JUNE 24, 1991. PREPARED BY DENNIS A. DEILUS, LAND SURVEYOR. ON FILE AS MAP #3166 IN THE WESTON LAND RECORDS.
   B) "REVISED MAP OF PROPERTY PREPARED FOR INNOKENTI HALIULIN AND ELENA HALIULIN, 144 STEEP HILL ROAD, WESTON, CONN." SCALE 1"=40'. DATED DECEMBER 21, 2011; REVISED TO APRIL 16, 2020. PREPARED BY DENNIS A. DEILUS, LAND SURVEYOR.

STANDARD NOTES

1. All construction methods, materials and installation of the system to be in accordance with all applicable local and state regulations.
2. Topographic and property data shown are only approximate.
   Topographic data based on STATE OF CT GIS DATA, property lines based on REFERENCED MAPS.
3. The test results and soil types shown apply only to the test holes shown and may vary throughout the site. Soil type and grade should be verified by the owner over the entire leaching area prior to construction.
4. Select fill, if required, to be placed in maximum of 12" lifts and to be compacted to a minimum of 90% compaction. Material to have a maximum of 5% passing the #200 sieve. Prior to the delivery of select fill to the site, the contractor at his expense, shall furnish a certified gradation analysis to the local Health Department and to the Design Engineer. Final approval of septic fill will be conditional on the completion of a percolation test on the inplace material. This test is to be witnessed by the Design Engineer and/or local Health Department official. The maximum allowable percolation rate will be 1"in 10 minutes, unless otherwise noted.
5. Unless otherwise directed hereon, the site requiring placement of select fill shall be prepared by removing all topsoil in the system area and 5 ft on all sides. No heavy equipment shall be used in the prepared area. Fill shall be placed on the perimeter of the trench area and spread with a small crawler, tractor or other approved machinery. Upon placement of the first lift of select fill, material shall be thoroughly harrowed into the existing subsoil layer.
6. Call "Call Before You Dig" 1–800–922–4455 to locate underground utilities on property and show service lines to building from public utilities shown on plan.
7. Contractor shall contact the certifying engineer and Health department at least 24 hours prior to starting construction, or the system installation will not be certified.
8. Oil tank is to be installed inside proposed building.
9. The licensed installer shall cover the septic system with clean soil as prescribed by the latest revision of Technical Standards. Clean soil is native soil, free of contaminants such as boulders, building debris, stumps, etc.
10. Septic system to be staked by Engineer/Surveyor and benchmark set prior to starting construction.
11. A sieve analysis of the septic fill is to be provided to the health district and design engineer verifying compliance to Health Code requirements prior to placement on site.
12. Prior to backfilling septic system Engineer/Surveyor to asbuilt completed septic system and provide plan to health department.

SOIL TEST DATA

Testing Performed on 10-28-19 by J. Edwards Associates, LLC and The Westport/Weston Health District

DEEP TESTS
TH-142A
0-5" TOPSOIL
5-36" RED-BROWN LOAMY SAND
36-72"GREY TILL WITH COBBLES
ROOTS TO 36"
NO LEDGE; NO WATER; NO MOTTLING

Deep Tests
TH-142B
0-4" TOPSOIL
4-36" RED-BROWN LOAMY SAND
36-72"GREY TILL WITH COBBLES
ROOTS TO 36"
NO LEDGE; WATER @ 62"; NO MOTTLING

TH-142C
0-4" TOPSOIL
4-36" RED-BROWN LOAMY SAND
36-72"GREY TILL WITH COBBLES
ROOTS TO 36"
NO LEDGE; WATER @ 72"; MOTTLING @ 36"

Percolation Tests

P-142A TIME	READING	P-142C TIME	READING
0	2"	0	2"
10	5"	10	5"
20	9"	20	7"
30	10"	30	9"
40	11"	40	10"
50	12"	50	11"
60	13"	60	12"
RATE	1"/10min.	RATE	1"/10min.

DESIGN INFORMATION

AVERAGE DEPTH TO RESTRICTIVE LAYER 36"+36"+36"/3=36"

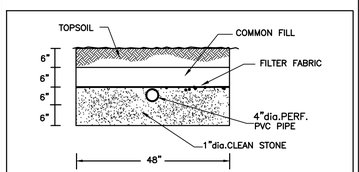
577.5 SF LEACHING AREA REQUIRED FOR 4 BEDROOM HOUSE.

600 SF LEACHING AREA PROVIDED.

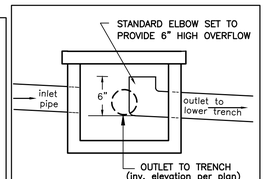
200 lineal feet of 12"x48" STONE LEACHING TRENCHES required for proposed 4 bedroom house.

MLSS CALCULATIONS: Depth= 36" Slope= 11% HF= 20 FF= 1.75 PF= 1.0

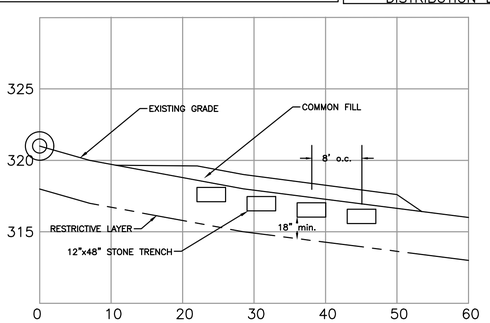
MLSS = (HF) X (FF) X (PF) = 35'



TYPICAL 48" WIDE LEACHING TRENCH
(NTS)



HIGH LEVEL OVERFLOW DISTRIBUTION BOX



SECTION A–A
Scale = horiz: 1" = 10ft/ vert: 1" = 5ft

I HEREBY CERTIFY THAT THE PERCOLATION TEST(S) SHOWN HEREON WERE CONDUCTED IN CONFORMANCE WITH ALL CURRENT STATE REGULATIONS UNLESS OTHERWISE NOTED HEREON.

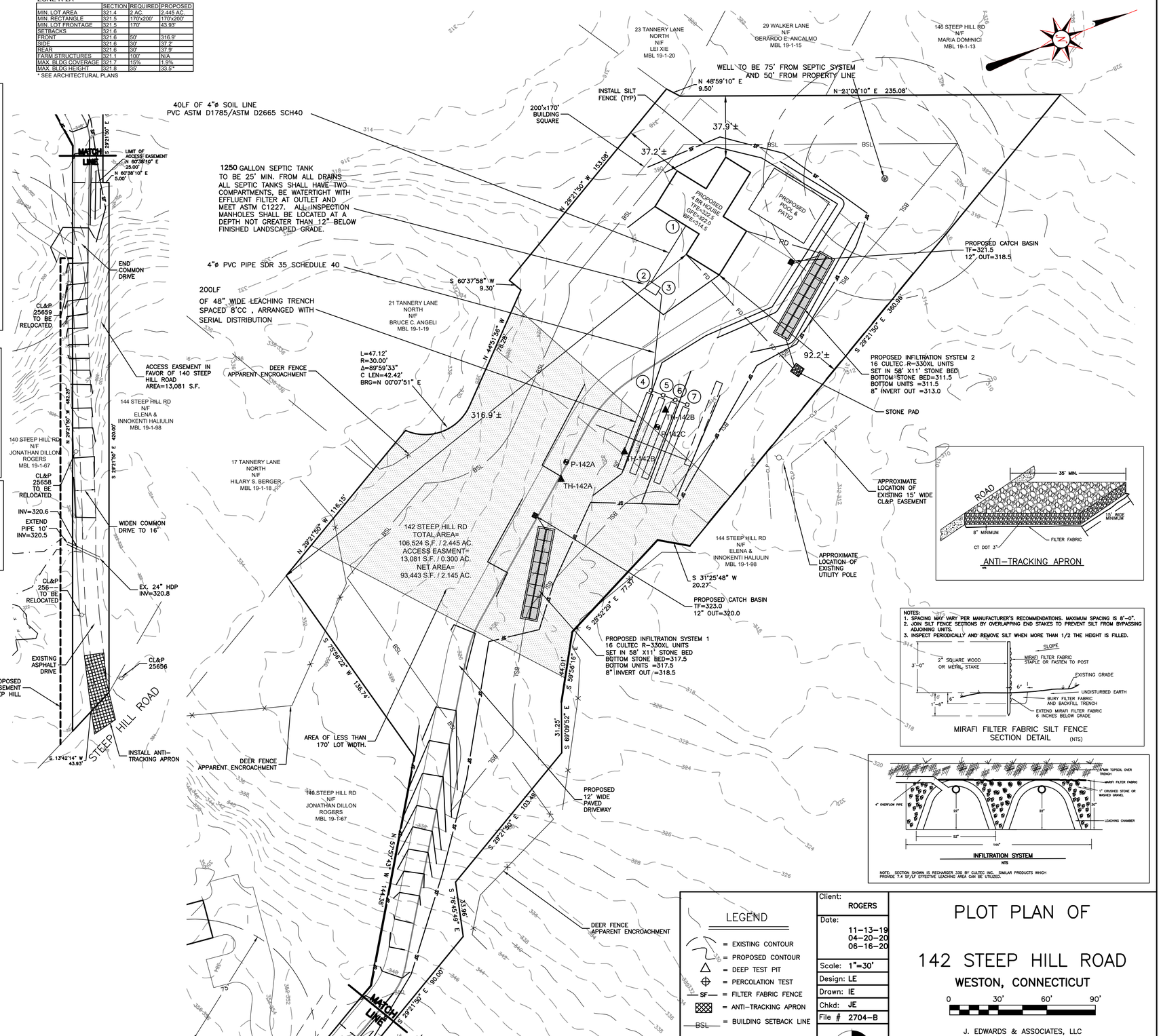
JASON EDWARDS, L.S. No. 70308

LARRY EDWARDS, P.E. No. 10937

ZONE R-2A

	SECTION	REQUIRED	PROPOSED
MIN. LOT AREA	321.4	2 AC.	2.445 AC.
MIN. RECTANGLE	321.5	170'x200'	170'x200'
MIN. LOT FRONTAGE	321.5	170'	43.93'
SETBACKS	321.6		
FRONT	321.6	50'	316.9'
SIDE	321.6	30'	37.2'
REAR	321.6	30'	37.9'
FARM STRUCTURES	321.1	100'	N/A
MAX. BLDG COVERAGE	321.7	15%	1.9%
MAX. BLDG HEIGHT	321.8	35'	33.5*

* SEE ARCHITECTURAL PLANS



ANTI–TRACKING APRON

NOTES:
1. SPACING MAY VARY PER MANUFACTURER'S RECOMMENDATIONS. MAXIMUM SPACING IS 8'–0".
2. JOIN SILT FENCE SECTIONS BY OVERLAPPING END STAKES TO PREVENT SILT FROM BYPASSING ADJOINING UNITS.
3. INSPECT PERIODICALLY AND REMOVE SILT WHEN MORE THAN 1/2 THE HEIGHT IS FILLED.

MIRAFI FILTER FABRIC SILT FENCE SECTION DETAIL (NTS)

INFILTRATION SYSTEM
NTS

NOTE: SECTION SHOWN IS RECHARGER 330 BY CULTEC INC. SIMILAR PRODUCTS WHICH PROVIDE 7.4 SF/LF EFFECTIVE LEACHING AREA CAN BE UTILIZED.

SYSTEM DETAILS

No.	Inv.Elev.
1	320.0
2	319.0
3	318.75
No.	**Elev bottom sys**
4	317.0 *
5	316.5 *
6	316.0 *
7	315.5

* overflow invert to lower trench to be set at elev. of top of trench/unit

LEGEND

- = EXISTING CONTOUR
- = PROPOSED CONTOUR
- = DEEP TEST PIT
- = PERCOLATION TEST
- SF— = FILTER FABRIC FENCE
- = ANTI–TRACKING APRON
- BSL = BUILDING SETBACK LINE

Client: ROGERS
Date: 11–13–19, 04–20–20, 06–16–20
Scale: 1"=30'
Design: LE
Drawn: IE
Chkd: JE
File # 2704–B

PLOT PLAN OF

142 STEEP HILL ROAD

WESTON, CONNECTICUT

0 30' 60' 90'

J. EDWARDS & ASSOCIATES, LLC
Engineering and Surveying
227 Stepney Road
Easton, CT 06612
(203) 268–4205
www.jedwardsassoc.com

FILE NO.____

TOWN of WESTON, CONNECTICUT

Incorporated 1787

Conservation Commission

REGULAR MEETING
June 25, 2020
7:30 P.M.
Due to the COVID-19 State of Emergency, the meeting will be held by internet and phone

Join via Internet: https://us02web.zoom.us/j/85113971085
Join via Phone: 646-558-8656
Meeting ID: 851 1397 1085
Password: 207564

Applicable Documents can be found here: http://www.westonct.gov/townhall/27652/28677/28876

AGENDA

Receipt of Application:	Norma & Harry Topalian [owner], Bryan Nesteriak, P.E., L.S. at B&B Engineering, LLC [agent]; 50 Merry Lane; Addition to Dwelling, Driveway & Related Site Improvements [20-06]
	Jonathan Rogers; 142 Steep Hill Road; Widen Driveway & Extend Culvert [20-07]
	Andrew & Aimee Stumm; 24 North Avenue; Pool & Relocate Water Softener Discharge [20-08]
	Sarge & Caroline Carlson [owner], Dean Martin, P.E. at Grumman Engineering, LLC [agent]; 23 Mountain View Drive; Pool, Relocate Septic & Pump Chamber [20-09]
Discussion/Decision:	Joshua & Brittany Gilman; 11 November Trail; Pool, Pool House & Gazebo [20-05]
Approval of Minutes:	April 21, 2020; April 23, 2020; May 28, 2020
Other Business:	

56 Norfield Road, P.O. Box 1007, Weston, CT 06883 Tel: (203) 222-2618

TOWN of WESTON, CONNECTICUT

Incorporated 1787

Conservation Commission

NOTICE

Notice is hereby given, that the following application was received by the Weston Conservation Commission on June 25, 2020. This application will be on the agenda for discussion/decision at the next Conservation Commission meeting on Thursday, July 23, 2020, at 7:30 p.m. which will be held via internet and phone, due to the COVID-19 State of Emergency:

Jonathan Rogers; 142 Steep Hill Road; Widen Driveway & Extend Culvert [20-07]

The Commission's file is available on the Conservation Commission's page of The Town of Weston's website at http://www.westonct.gov/townhall/27652/28677/28876

Below are the participation instructions, via internet and phone, for the Commission's July 23, 2020 Zoom meeting:

Join via Internet: https://us02web.zoom.us/j/84623290146
Meeting ID: 846 2329 0146
Password: 617149
Join via Phone: 646-558-8656

56 Norfield Road, P.O. Box 1007, Weston, CT 06883 Tel: (203) 222-2618

TOWN of WESTON, CONNECTICUT

Incorporated 1787

Conservation Commission

NOTICE

Notice is hereby given, that the members of the Weston Conservation Commission will be conducting a site walk of the following properties on Saturday, July 11, 2020, commencing at 8:00 a.m.:

Norma & Harry Topalian [owner], Bryan Nesteriak, P.E., L.S. at B&B Engineering, LLC [agent]; 50 Merry Lane; Addition to Dwelling, Driveway & Related Site Improvements

Sarge & Caroline Carlson [owner], Dean Martin, P.E. at Grumman Engineering, LLC [agent]; 23 Mountain View Drive; Pool, Relocate Septic & Pump Chamber

Jonathan Rogers; 142 Steephill Road; Widen Driveway & Extend Culvert

Andrew & Aimee Stumm; 24 North Avenue; Pool & Relocate Water Softener Discharge

56 Norfield Road, P.O. Box 1007, Weston, CT 06883 Tel: (203) 222-2618

DATE APPROVED: July 23, 2020

CONSERVATION COMMISSION MINUTES FOR JUNE 25, 2020 PAGE #20-14

MEMBERS PRESENT:
Chairman, Ted von Rosenvinge, Vice-Chairman, Sarah Schlechter, Mike Reiner, Ed Schwarz
Jim Smith, Bob Turner, Holly Charlesworth
Also present: Tracy Kulikowski, Land Use Director, Dave Pattee, Conservation Planner

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Mr. von Rosenvinve opened the virtual meeting at 7:35 p.m.

RECEIPT OF APPLICATIONS

- Norma & Harry Topalian, 50 Merry Lane, addition to dwelling, driveway & related site improvements
- Jonathan Rogers, 142 Steephill Road, widen driveway & extend culvert
- Andrew & Aimee Stumm, 24 North Avenue, pool & relocate water discharge
- Sarge & Caroline Carlson, 23 Mountainview Drive, pool, relocate septic & pump chamber

MOTION TO RECEIVE
Mr. Reiner made a motion to receive the application for Topalian, 50 Merry Lane and Mr. Smith seconded. All in favor, the motion carried (5-0).

MOTION TO RECEIVE
Mr. von Rosenvinge made a motion to receive the application for Rogers, 142 Steephill Road and Mr. Reiner seconded. All in favor, the motion carried (5-0).

MOTION TO RECEIVE
Ms. Schlechter made a motion to receive the application for Stumm, 24 North Avenue, and Carlson, 23 Mountain View Drive and Mr. Smith seconded. All in favor, the motion carried (5-0).

DISCUSSION/DECISION: JOSHUA & BRITTANY GILMAN, 11 NOVEMBER TRAIL, POOL POOLHOUSE & GAZEBO
Attorney Gilman, homeowner, began by explaining that they propose a fiberglass pool, pool house and future cabana area which will not be done now, but in the future. The pool house will be premade, assembled off site and placed on gravel on site. He explained that the reason they chose a fiberglass pool was to minimize the impact to the back yard which has an intermittent watercourse deep in the woods that they want to protect. He explained how the pool would be constructed with minimal soil being disturbed. He then noted the measures to protect the wetlands during construction and pointed out the location of the silt fence. He also noted that the pool would be 50 feet from existing wetlands, the pool surround will not be totally impervious,

AnnMarie Fontana <afontana@westonct.gov>

142 Steep hill rd

1 message

Jon Rogers <jon@jdrogersdev.com> Thu, Jul 16, 2020 at 2:58 PM
To: David Pattee <dpattee@westonct.gov>
Cc: Tracy Kulikowski <tkulikowski@westonct.gov>, AnnMarie Fontana <afontana@westonct.gov>

Dave,
Please let this be notice that I would like to have my application in front of the Conservation commission tabled until the next meeting in August. Unfortunately, do to their requests I cannot pull all this together for the July meeting. Once I have the information I will forward along for your review.

Thank you

--
Jon Rogers
JD Rogers Development
229 Good Hill Road
Weston, CT 06883

jdrogersdev.com
203-943-3544

******Please REPLY ALL*******

JD Rogers Development

229 Good Hill Road

Weston, CT 06883

Re; 142 Steep Hill Rd August 12, 2020

Application Modification

Dear Conservation Commission,

This letter is to serve as notice to modify the application received June 25, 2020 for 142 Steep Hill Road to “widen driveway & extend culvert”. The intent of this letter is to modify the application to include the house site at the rear of the property.

Since our walk through on June 11, 2020, I had the wetlands in the along the driveway flagged and I had the approximate locations of the wetlands on the adjoining properties noted. In doing so it was determined that a portion of the house and one of the infiltrator systems sit in the 100' review area.

I am seeking approval for expanding the driveway and extending the culvert and locating the house and one of the infiltrators in the 100’ review area. Thank you for your consideration.

Jon Rogers

Owner-142 Steep Hill Rd

DRAINAGE NARRATIVE
#142 STEEP HILL ROAD
WESTON, CONNECTICUT
(August 4, 2020, 2020)

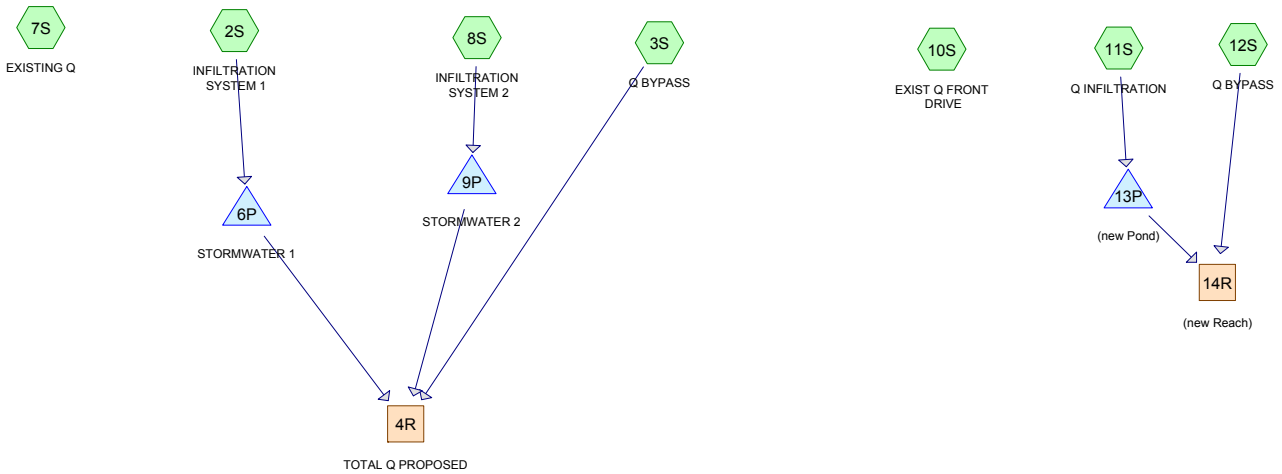
The property consists of 2.14 acres and is proposed for the construction of a new single family home. Based on the NRCS web soil survey the upland soils are classified in the B soil group. The site is a mix of woods and grass.

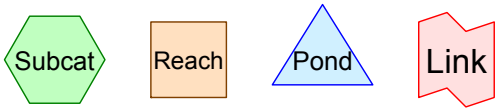
The site was evaluated using SCS TR20 methodology for a 50 year 24 hour rainfall amount of 6.4 inches. Runoff from an additional 0.73 acres of offsite area flows through the site and has been added to the study area. The project will include the construction of a house and driveway creating a total of 11,662sf of new impervious area. The runoff from the roof, pool and driveway will be directed to one of 2 infiltration systems

The system will provide adequate storage to handle the 50-year storm event. The pre-development Q for the site is computed to be 6.53 cfs. The total post development Q is computed to be 6.18 cfs.

The development of the lot will also include the widening of a portion of the common access driveway. This will create an additional 1750sf of impervious area. A third infiltration system will handle the runoff from this area. This system will reduce the existing Q of 0.46cfs to a proposed Q of 0.39cfs

LARRY EDWARDS, P.E. #10937





Drainage Diagram for 2704-B142
Prepared by Microsoft, Printed 8/4/2020
HydroCAD® 9.10 s/n 04982 © 2011 HydroCAD Software Solutions LLC

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: INFILTRATION SYSTEM 1 Runoff Area=51,878 sf 9.13% Impervious Runoff Depth>2.61"
Flow Length=350' Tc=18.2 min UI Adjusted CN=67 Runoff=2.73 cfs 0.259 af

Subcatchment 3S: Q BYPASS Runoff Area=52,630 sf 0.00% Impervious Runoff Depth>2.43"
Tc=15.4 min CN=65 Runoff=2.74 cfs 0.245 af

Subcatchment 7S: EXISTING Q Runoff Area=125,500 sf 0.00% Impervious Runoff Depth>2.43"
Flow Length=500' Tc=15.4 min CN=65 Runoff=6.53 cfs 0.583 af

Subcatchment 8S: INFILTRATION SYSTEM Runoff Area=20,992 sf 32.99% Impervious Runoff Depth>3.48"
Flow Length=135' Slope=0.0700 '/' Tc=10.8 min CN=76 Runoff=1.78 cfs 0.140 af

Subcatchment 10S: EXIST Q FRONT DRIVE Runoff Area=4,752 sf 63.17% Impervious Runoff Depth>4.84"
Flow Length=225' Tc=16.1 min CN=89 Runoff=0.46 cfs 0.044 af

Subcatchment 11S: Q INFILTRATION Runoff Area=2,065 sf 100.00% Impervious Runoff Depth>5.88"
Tc=5.0 min CN=98 Runoff=0.30 cfs 0.023 af

Subcatchment 12S: Q BYPASS Runoff Area=2,687 sf 100.00% Impervious Runoff Depth>5.88"
Tc=5.0 min CN=98 Runoff=0.39 cfs 0.030 af

Reach 4R: TOTAL Q PROPOSED Inflow=6.34 cfs 0.564 af
Outflow=6.34 cfs 0.564 af

Reach 14R: (new Reach) Inflow=0.39 cfs 0.034 af
Outflow=0.39 cfs 0.034 af

Pond 6P: STORMWATER 1 Peak Elev=320.89' Storage=1,325 cf Inflow=2.73 cfs 0.259 af
Discarded=0.03 cfs 0.023 af Primary=2.41 cfs 0.223 af Outflow=2.44 cfs 0.246 af

Pond 9P: STORMWATER 2 Peak Elev=314.19' Storage=1,155 cf Inflow=1.78 cfs 0.140 af
Discarded=0.03 cfs 0.026 af Primary=1.55 cfs 0.096 af Outflow=1.58 cfs 0.122 af

Pond 13P: (new Pond) Peak Elev=327.23' Storage=398 cf Inflow=0.30 cfs 0.023 af
Discarded=0.01 cfs 0.012 af Primary=0.11 cfs 0.004 af Outflow=0.12 cfs 0.016 af

Total Runoff Area = 5.980 ac Runoff Volume = 1.324 af Average Runoff Depth = 2.66"
92.55% Pervious = 5.535 ac 7.45% Impervious = 0.446 ac

Summary for Subcatchment 2S: INFILTRATION SYSTEM 1

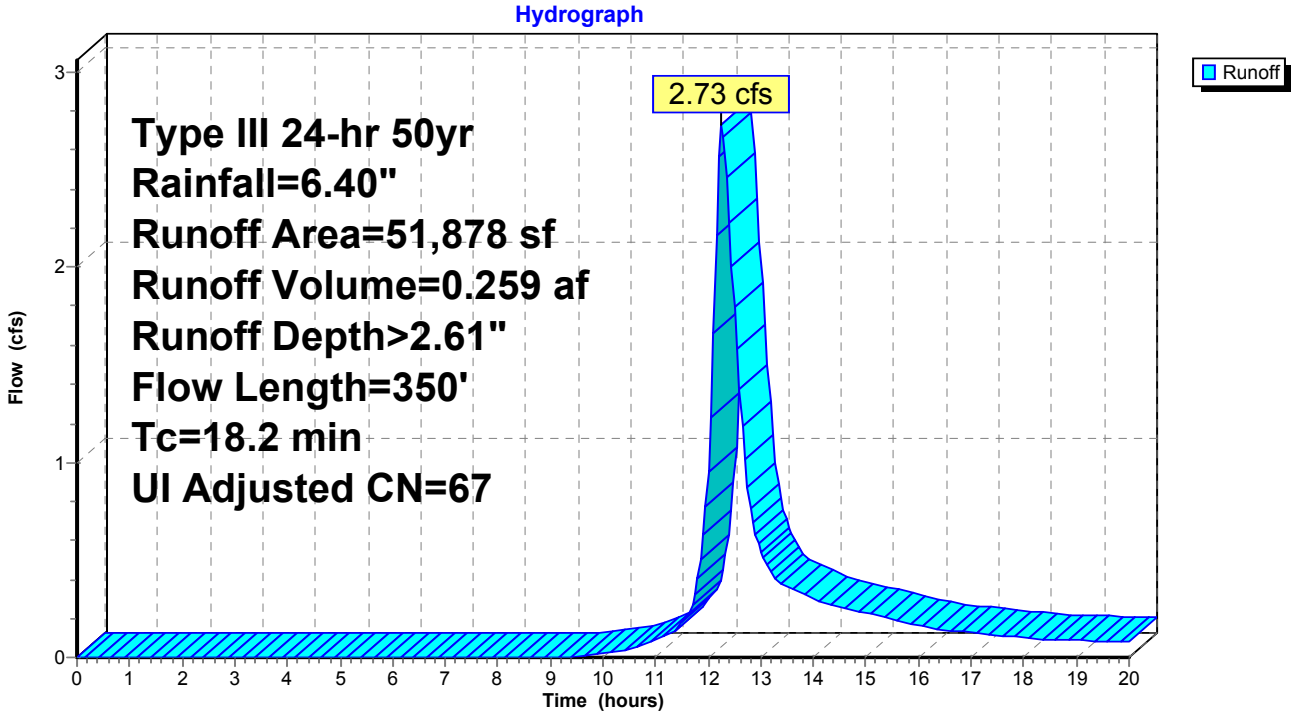
Runoff = 2.73 cfs @ 12.26 hrs, Volume= 0.259 af, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
4,736	98	Unconnected pavement, HSG B
47,142	65	Woods/grass comb., Fair, HSG B
51,878	68	Weighted Average, UI Adjusted CN = 67
47,142		90.87% Pervious Area
4,736		9.13% Impervious Area
4,736		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.4	200	0.1500	0.20		**Sheet Flow, LAWN** Woods: Light underbrush n= 0.400 P2= 3.30"
1.8	150	0.0800	1.41		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
18.2	350	Total			

Subcatchment 2S: INFILTRATION SYSTEM 1



Summary for Subcatchment 3S: Q BYPASS

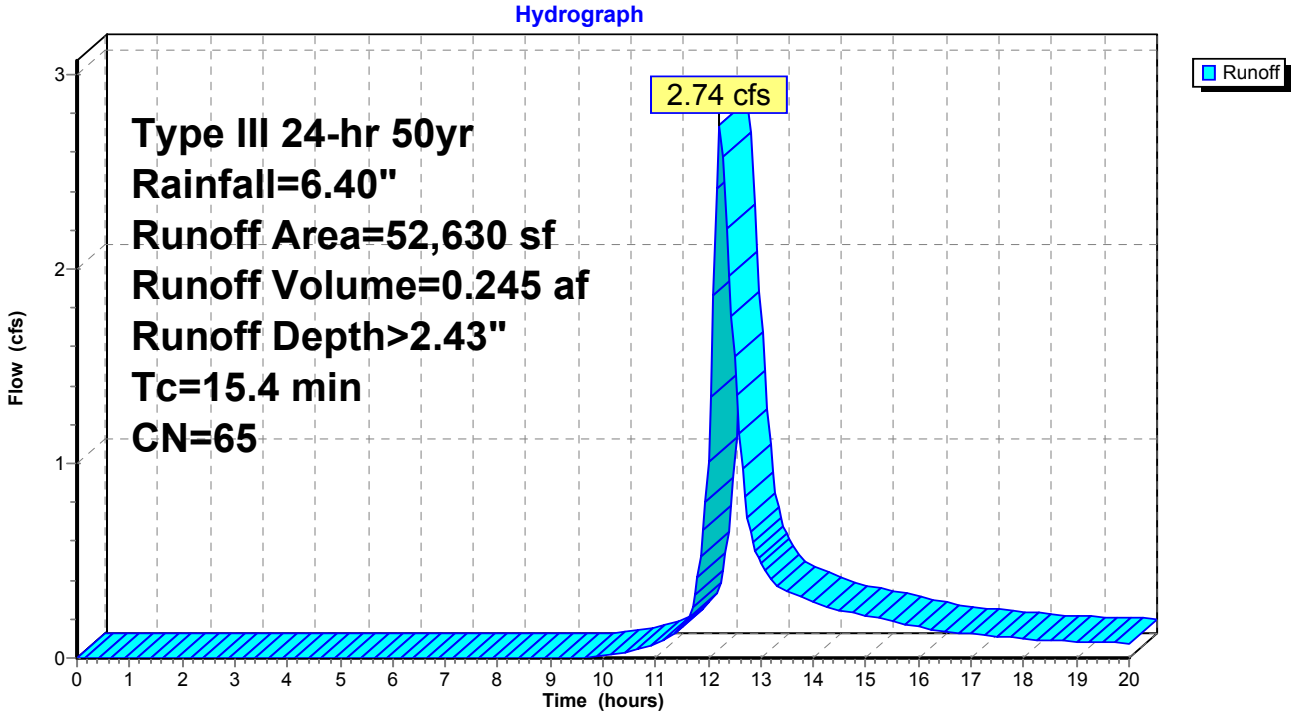
Runoff = 2.74 cfs @ 12.22 hrs, Volume= 0.245 af, Depth> 2.43"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
52,630	65	Woods/grass comb., Fair, HSG B
52,630		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.4					**Direct Entry, SAME AS EXISTING**

Subcatchment 3S: Q BYPASS



Summary for Subcatchment 7S: EXISTING Q

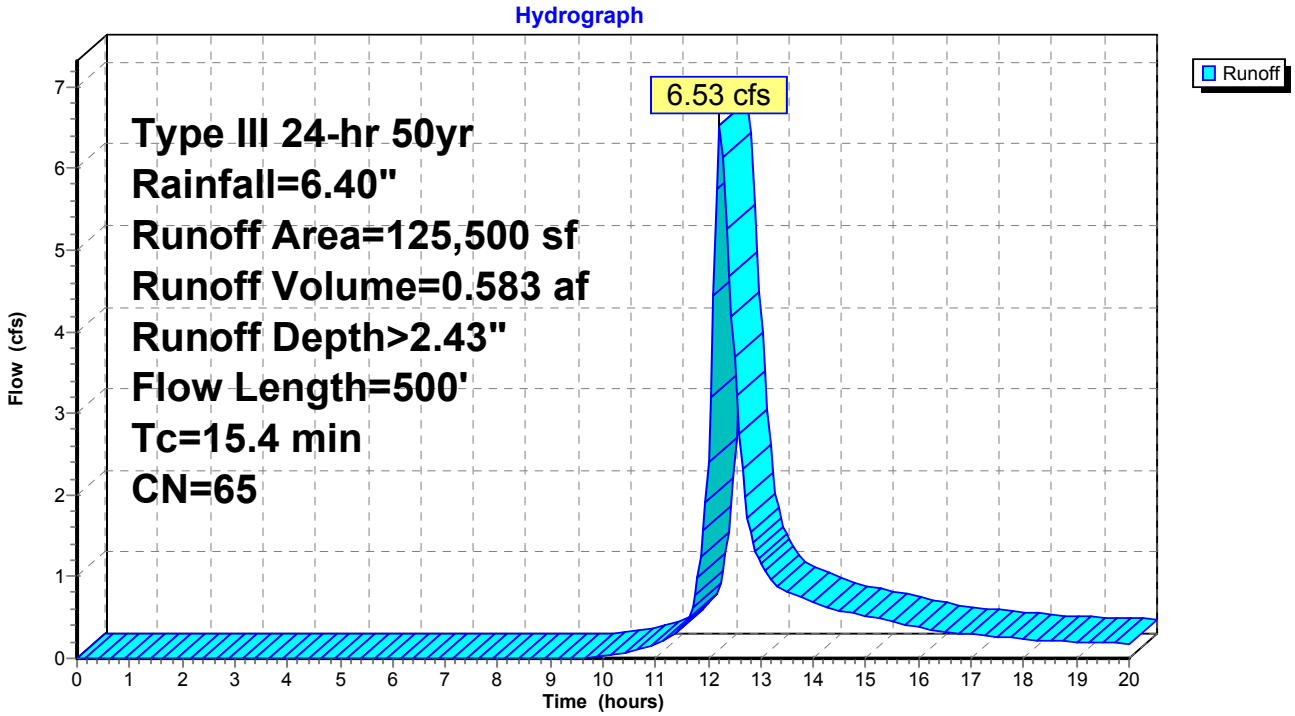
Runoff = 6.53 cfs @ 12.22 hrs, Volume= 0.583 af, Depth> 2.43"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
125,500	65	Woods/grass comb., Fair, HSG B
125,500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9	200	0.1500	0.31		**Sheet Flow,** Grass: Dense n= 0.240 P2= 3.30"
4.5	300	0.0500	1.12		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
15.4	500	Total			

Subcatchment 7S: EXISTING Q



Summary for Subcatchment 8S: INFILTRATION SYSTEM 2

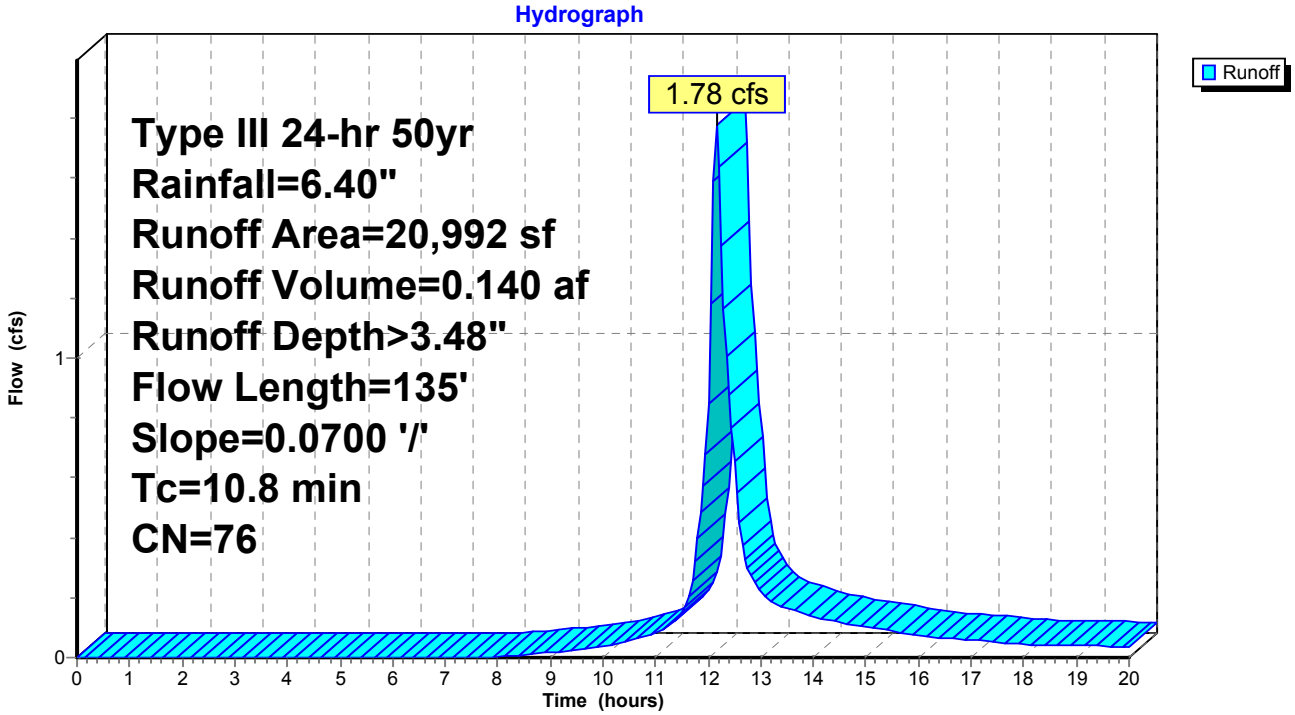
Runoff = 1.78 cfs @ 12.15 hrs, Volume= 0.140 af, Depth> 3.48"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
14,066	65	Woods/grass comb., Fair, HSG B
6,926	98	Unconnected pavement, HSG B
20,992	76	Weighted Average
14,066		67.01% Pervious Area
6,926		32.99% Impervious Area
6,926		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.8	135	0.0700	0.21		**Sheet Flow,** Grass: Dense n= 0.240 P2= 3.30"

Subcatchment 8S: INFILTRATION SYSTEM 2



Summary for Subcatchment 10S: EXIST Q FRONT DRIVE

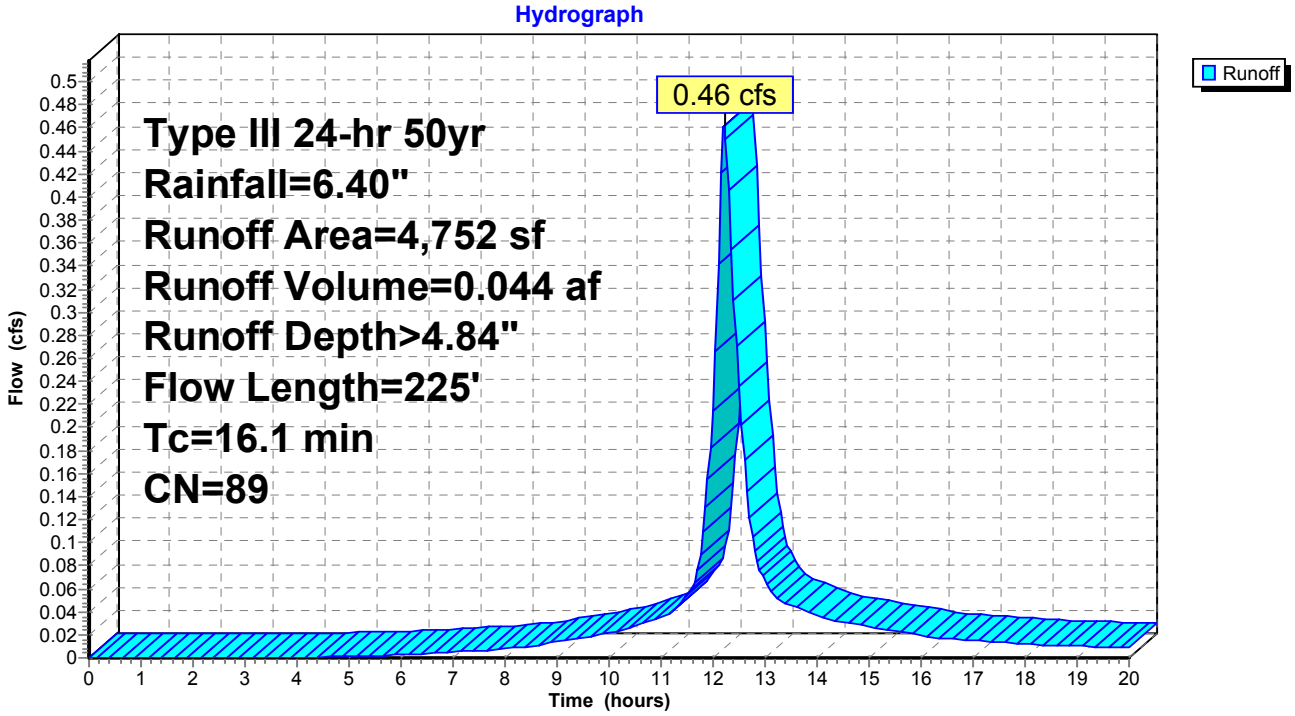
Runoff = 0.46 cfs @ 12.21 hrs, Volume= 0.044 af, Depth> 4.84"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
3,002	98	Paved parking, HSG B
1,750	73	Woods/grass comb., Poor, HSG B
4,752	89	Weighted Average
1,750		36.83% Pervious Area
3,002		63.17% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	150	0.1200	0.18		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 3.30"
1.8	75	0.0200	0.71		**Shallow Concentrated Flow,** Woodland Kv= 5.0 fps
16.1	225	Total			

Subcatchment 10S: EXIST Q FRONT DRIVE



Summary for Subcatchment 11S: Q INFILTRATION

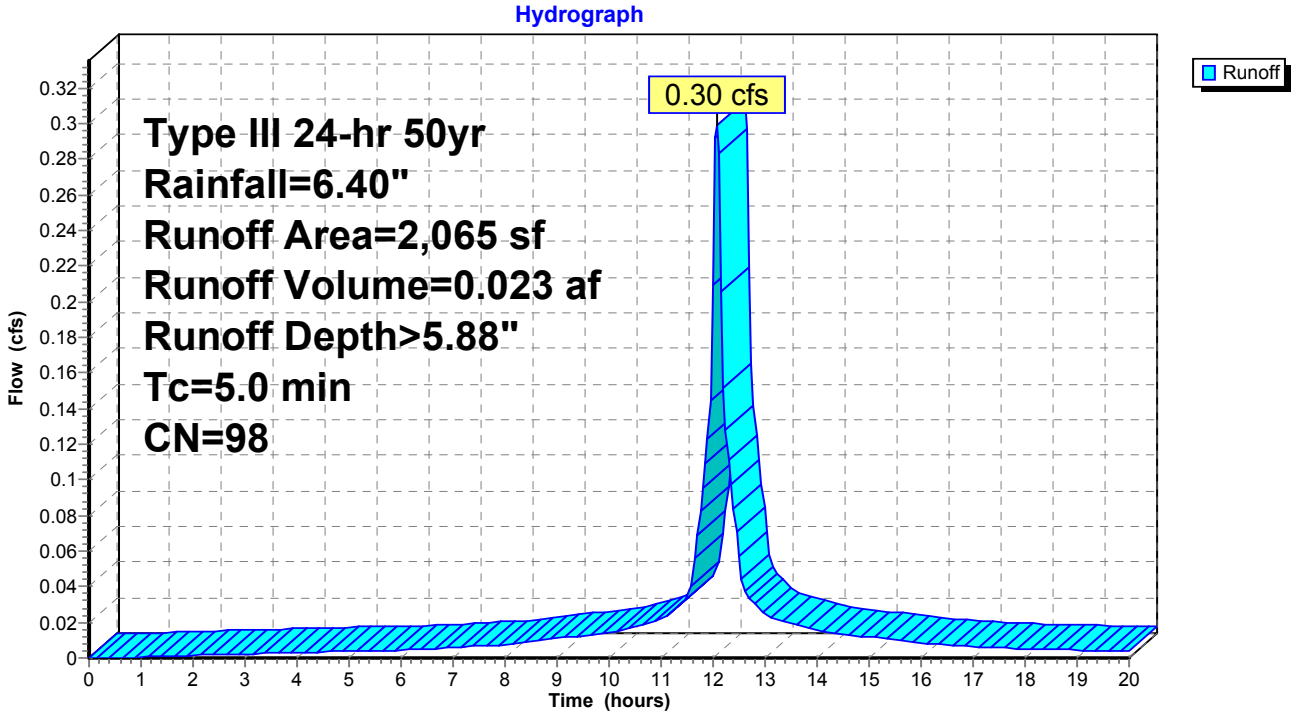
Runoff = 0.30 cfs @ 12.07 hrs, Volume= 0.023 af, Depth> 5.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
2,065	98	Paved parking, HSG B
2,065		100.00% Impervious Area

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

Subcatchment 11S: Q INFILTRATION



Summary for Subcatchment 12S: Q BYPASS

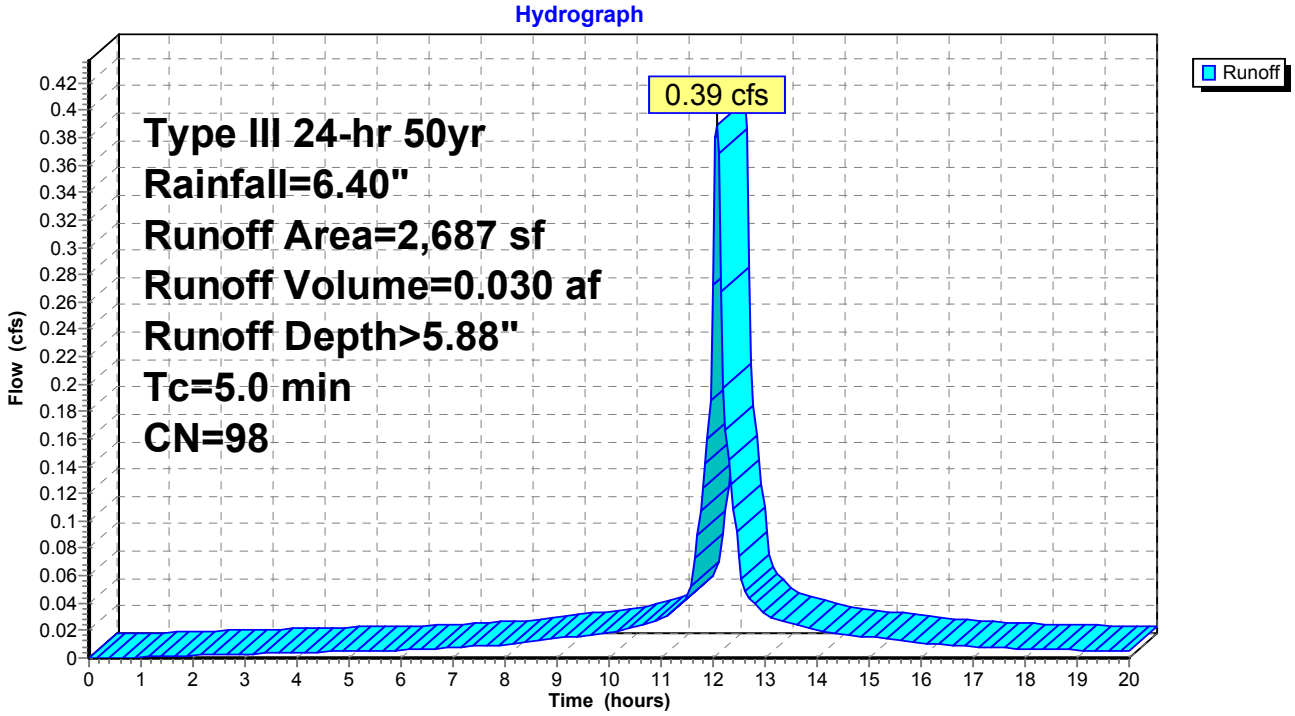
Runoff = 0.39 cfs @ 12.07 hrs, Volume= 0.030 af, Depth> 5.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr 50yr Rainfall=6.40"

Area (sf)	CN	Description
2,687	98	Paved parking, HSG B
2,687		100.00% Impervious Area

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

Subcatchment 12S: Q BYPASS

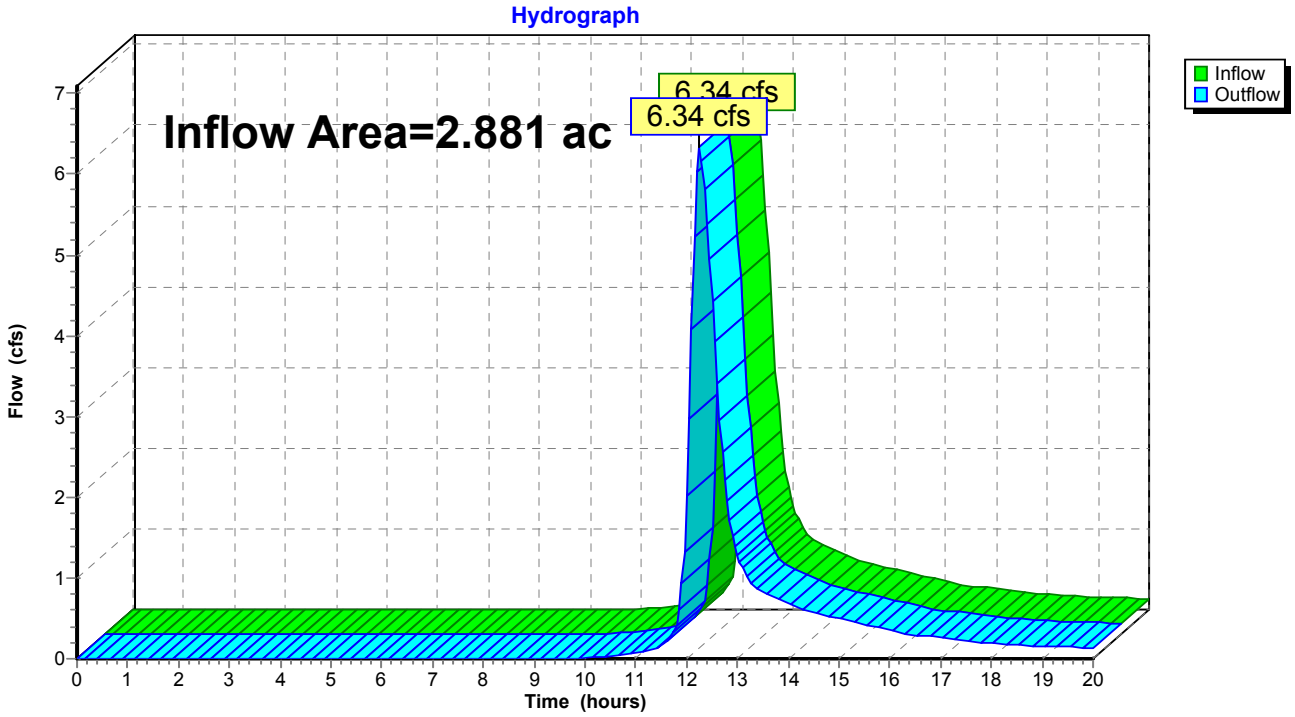


Summary for Reach 4R: TOTAL Q PROPOSED

Inflow Area = 2.881 ac, 9.29% Impervious, Inflow Depth > 2.35" for 50yr event
Inflow = 6.34 cfs @ 12.26 hrs, Volume= 0.564 af
Outflow = 6.34 cfs @ 12.26 hrs, Volume= 0.564 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

Reach 4R: TOTAL Q PROPOSED

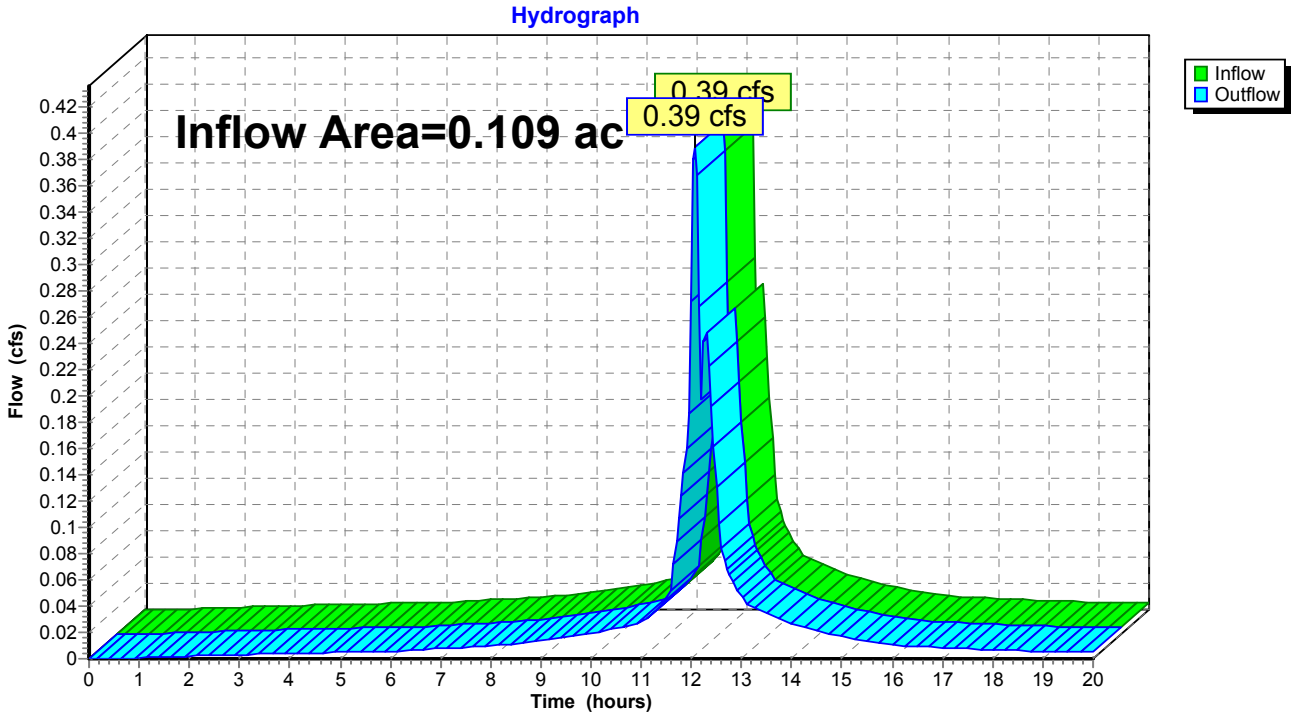


Summary for Reach 14R: (new Reach)

Inflow Area = 0.109 ac,100.00% Impervious, Inflow Depth > 3.79" for 50yr event
Inflow = 0.39 cfs @ 12.07 hrs, Volume= 0.034 af
Outflow = 0.39 cfs @ 12.07 hrs, Volume= 0.034 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

Reach 14R: (new Reach)



Summary for Pond 6P: STORMWATER 1

Inflow Area =	1.191 ac,	9.13% Impervious,	Inflow Depth >	2.61"	for 50yr event
Inflow =	2.73 cfs @	12.26 hrs,	Volume=	0.259 af	
Outflow =	2.44 cfs @	12.36 hrs,	Volume=	0.246 af,	Atten= 11%, Lag= 5.9 min
Discarded =	0.03 cfs @	10.40 hrs,	Volume=	0.023 af	
Primary =	2.41 cfs @	12.36 hrs,	Volume=	0.223 af	

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 320.89' @ 12.36 hrs Surf.Area= 609 sf Storage= 1,325 cf

Plug-Flow detention time= 28.1 min calculated for 0.245 af (95% of inflow)
Center-of-Mass det. time= 11.0 min (823.5 - 812.6)

Volume	Invert	Avail.Storage	Storage Description
#1	317.50'	519 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc) 2,132 cf Overall - 835 cf Embedded = 1,297 cf x 40.0% Voids
#2	317.50'	835 cf	**Cultec R-330XL** x 16 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
		1,353 cf	Total Available Storage

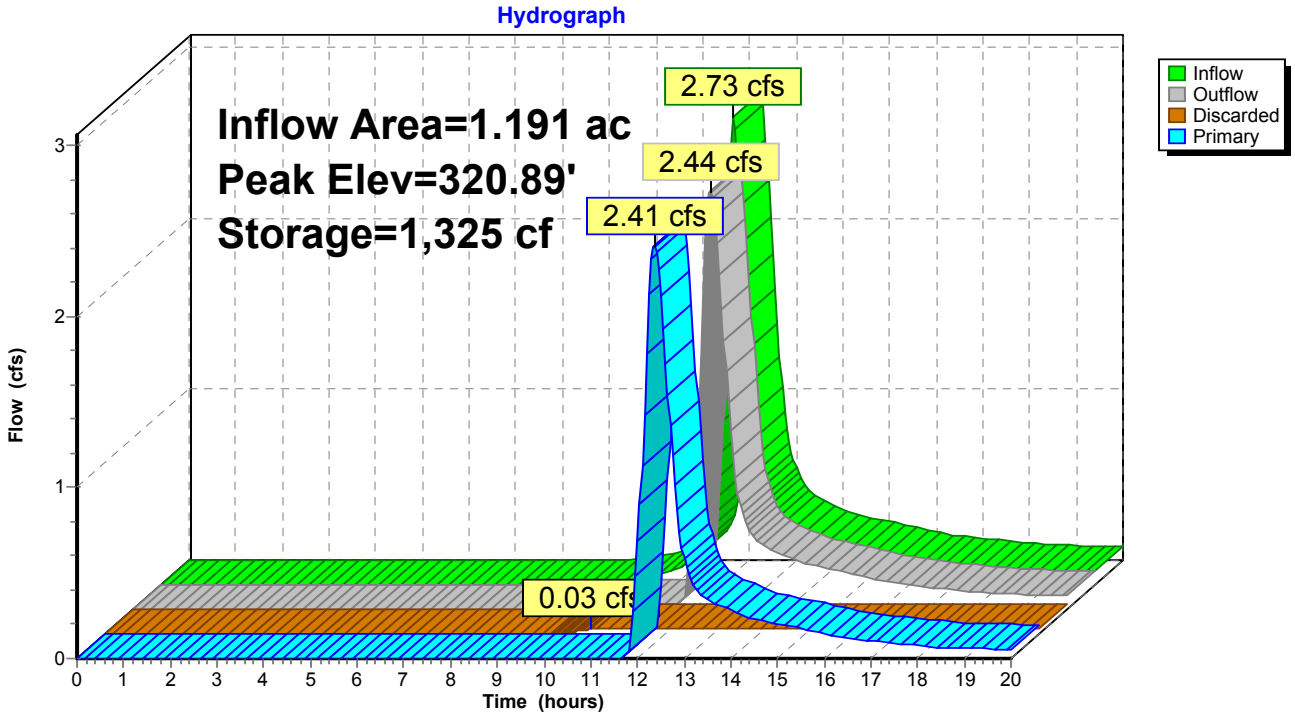
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
317.50	609	0	0
321.00	609	2,132	2,132

Device	Routing	Invert	Outlet Devices
#1	Discarded	317.50'	**2.000 in/hr Exfiltration over Surface area**
#2	Primary	318.50'	**8.0" Vert. Orifice/Grate** C= 0.600

Discarded OutFlow Max=0.03 cfs @ 10.40 hrs HW=317.54' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=2.40 cfs @ 12.36 hrs HW=320.87' (Free Discharge)
└**2=Orifice/Grate** (Orifice Controls 2.40 cfs @ 6.88 fps)

Pond 6P: STORMWATER 1



Summary for Pond 9P: STORMWATER 2

Inflow Area =	0.482 ac, 32.99% Impervious, Inflow Depth > 3.48" for 50yr event				
Inflow =	1.78 cfs @	12.15 hrs,	Volume=	0.140 af	
Outflow =	1.58 cfs @	12.22 hrs,	Volume=	0.122 af,	Atten= 11%, Lag= 3.8 min
Discarded =	0.03 cfs @	9.75 hrs,	Volume=	0.026 af	
Primary =	1.55 cfs @	12.22 hrs,	Volume=	0.096 af	

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 314.19' @ 12.22 hrs Surf.Area= 609 sf Storage= 1,155 cf

Plug-Flow detention time= 57.8 min calculated for 0.122 af (88% of inflow)
Center-of-Mass det. time= 19.7 min (810.1 - 790.3)

Volume	Invert	Avail.Storage	Storage Description
#1	311.50'	519 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc) 2,132 cf Overall - 835 cf Embedded = 1,297 cf x 40.0% Voids
#2	311.50'	835 cf	**Cultec R-330XL** x 16 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
		1,353 cf	Total Available Storage

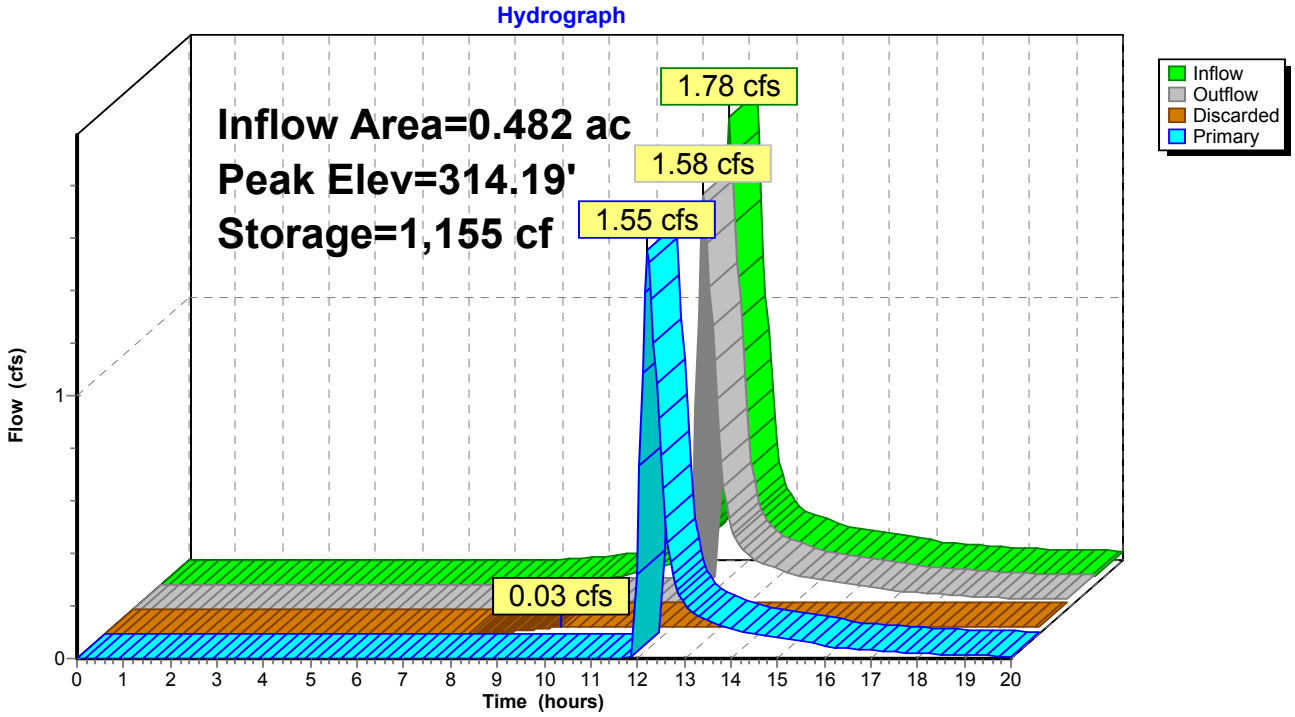
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
311.50	609	0	0
315.00	609	2,132	2,132

Device	Routing	Invert	Outlet Devices
#1	Primary	313.00'	**8.0" Vert. Orifice/Grate** C= 0.600
#2	Discarded	311.50'	**2.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.03 cfs @ 9.75 hrs HW=311.54' (Free Discharge)
└─**2=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=1.53 cfs @ 12.22 hrs HW=314.16' (Free Discharge)
└─**1=Orifice/Grate** (Orifice Controls 1.53 cfs @ 4.39 fps)

Pond 9P: STORMWATER 2



Summary for Pond 13P: (new Pond)

Inflow Area =	0.047 ac,100.00% Impervious, Inflow Depth > 5.88" for 50yr event				
Inflow =	0.30 cfs @	12.07 hrs,	Volume=	0.023 af	
Outflow =	0.12 cfs @	12.31 hrs,	Volume=	0.016 af,	Atten= 61%, Lag= 14.6 min
Discarded =	0.01 cfs @	9.05 hrs,	Volume=	0.012 af	
Primary =	0.11 cfs @	12.31 hrs,	Volume=	0.004 af	

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 327.23' @ 12.31 hrs Surf.Area= 221 sf Storage= 398 cf

Plug-Flow detention time= 122.5 min calculated for 0.016 af (70% of inflow)
Center-of-Mass det. time= 48.0 min (764.1 - 716.2)

Volume	Invert	Avail.Storage	Storage Description
#1	324.50'	261 cf	**Cultec R-330XL** x 5 Inside #2 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
#2	324.50'	205 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc) 774 cf Overall - 261 cf Embedded = 513 cf x 40.0% Voids
		466 cf	Total Available Storage

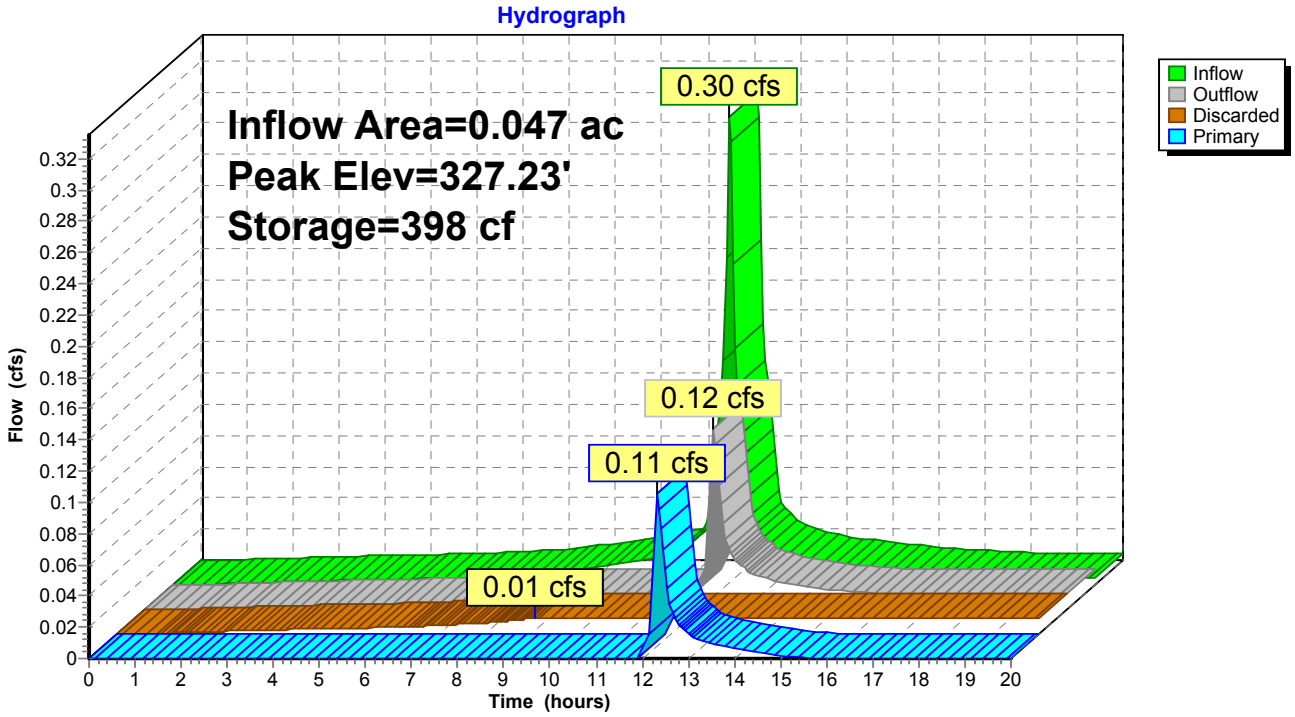
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
324.50	221	0	0
328.00	221	774	774

Device	Routing	Invert	Outlet Devices
#1	Primary	327.00'	**4.0" Vert. Orifice/Grate** C= 0.600
#2	Discarded	324.50'	**2.000 in/hr Exfiltration over Surface area**

Discarded OutFlow Max=0.01 cfs @ 9.05 hrs HW=324.54' (Free Discharge)
└─**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.10 cfs @ 12.31 hrs HW=327.23' (Free Discharge)
└─**1=Orifice/Grate** (Orifice Controls 0.10 cfs @ 1.62 fps)

Pond 13P: (new Pond)



SURVEY NOTES:

1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20–300b–1 THRU 20–300b–20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A–2 AND VERTICAL ACCURACY CLASS V–2 AND INTENDED TO BE USED FOR REGULATORY APPROVAL.
2. REFERENCE IS MADE TO THE FOLLOWING MAPS:
   A) "CORRECTED MAP OF PROPERTY PREPARED FOR JACK HELD, WESTON, CONN." SCALE 1"=100'. DATED JUNE 24, 1991. PREPARED BY DENNIS A. DEILUS, LAND SURVEYOR. ON FILE AS MAP #3166 IN THE WESTON LAND RECORDS.
   B) "REVISED MAP OF PROPERTY PREPARED FOR INNOKENTI HALIULIN AND ELENA HALIULIN, 144 STEEP HILL ROAD, WESTON, CONN." SCALE 1"=40'. DATED DECEMBER 21, 2011; REVISED TO APRIL 16, 2020. PREPARED BY DENNIS A. DEILUS, LAND SURVEYOR.

STANDARD NOTES

1. All construction methods, materials and installation of the system to be in accordance with all applicable local and state regulations.
2. Topographic and property data shown are only approximate.
   Topographic data based on STATE OF CT GIS DATA, property lines based on REFERENCED MAPS.
3. The test results and soil types shown apply only to the test holes shown and may vary throughout the site. Soil type and grade should be verified by the owner over the entire leaching area prior to construction.
4. Select fill, if required, to be placed in maximum of 12" lifts and to be compacted to a minimum of 90% compaction. Material to have a maximum of 5% passing the #200 sieve. Prior to the delivery of select fill to the site, the contractor at his expense, shall furnish a certified gradation analysis to the local Health Department and to the Design Engineer. Final approval of septic fill will be conditional on the completion of a percolation test on the inplace material. This test is to be witnessed by the Design Engineer and/or local Health Department official. The maximum allowable percolation rate will be 1"in 10 minutes, unless otherwise noted.
5. Unless otherwise directed hereon, the site requiring placement of select fill shall be prepared by removing all topsoil in the system area and 5 ft on all sides. No heavy equipment shall be used in the prepared area. Fill shall be placed on the perimeter of the trench area and spread with a small crawler, tractor or other approved machinery. Upon placement of the first lift of select fill, material shall be thoroughly harrowed into the existing subsoil layer.
6. Call "Call Before You Dig" 1–800–922–4455 to locate underground utilities on property and show service lines to building from public utilities shown on plan.
7. Contractor shall contact the certifying engineer and Health department at least 24 hours prior to starting construction, or the system installation will not be certified.
8. Oil tank is to be installed inside proposed building.
9. The licensed installer shall cover the septic system with clean soil as prescribed by the latest revision of Technical Standards. Clean soil is native soil, free of contaminants such as boulders, building debris, stumps, etc.
10. Septic system to be staked by Engineer/Surveyor and benchmark set prior to starting construction.
11. A sieve analysis of the septic fill is to be provided to the health district and design engineer verifying compliance to Health Code requirements prior to placement on site.
12. Prior to backfilling septic system Engineer/Surveyor to asbuilt completed septic system and provide plan to health department.

SOIL TEST DATA

Testing Performed on 10-28-19 by J. Edwards Associates, LLC and The Westport/Weston Health District

DEEP TESTS
TH-142A
0-5" TOPSOIL
5-36" RED-BROWN LOAMY SAND
36-72"GREY TILL WITH COBBLES
ROOTS TO 36"
NO LEDGE; NO WATER; NO MOTTLING

Deep Tests
TH-142B
0-4" TOPSOIL
4-36" RED-BROWN LOAMY SAND
36-72"GREY TILL WITH COBBLES
ROOTS TO 36"
NO LEDGE; WATER @ 62"; NO MOTTLING

TH-142C
0-4" TOPSOIL
4-36" RED-BROWN LOAMY SAND
36-72"GREY TILL WITH COBBLES
ROOTS TO 36"
NO LEDGE; WATER @ 72"; MOTTLING @ 36"

Percolation Tests

P-142A TIME	READING	P-142C TIME	READING
0	2"	0	2"
10	5"	10	5"
20	9"	20	7"
30	10"	30	9"
40	11"	40	10"
50	12"	50	11"
60	13"	60	12"
RATE	1"/10min.	RATE	1"/10min.

DESIGN INFORMATION

AVERAGE DEPTH TO RESTRICTIVE LAYER 36"+36"+36"/3=36"

660 SF LEACHING AREA REQUIRED FOR 5 BEDROOM HOUSE.

688 SF LEACHING AREA PROVIDED.

160 lineal feet of 1CULTEC CONTACTOR 100 (PDS) UNITS required for proposed 5 bedroom house.

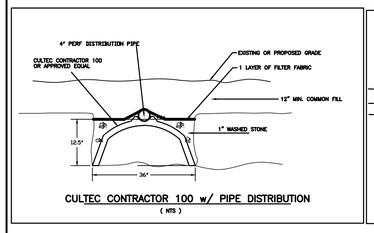
MLSS CALCULATIONS: Depth= 36" Slope= 11% HF= 20 FF= 1.75 PF= 1.0

MLSS = (HF) X (FF) X (PF) = 35'

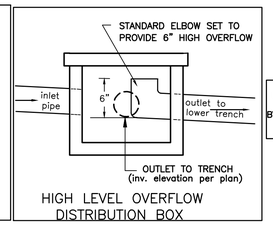
ZONE R-2A

	SECTION	REQUIRED	PROPOSED
MIN. LOT AREA	321.4	2 AC.	2.445 AC.
MIN. RECTANGLE	321.5	170'x200'	170'x200'
MIN. LOT FRONTAGE	321.5	170'	43.93'
SETBACKS	321.6		
FRONT	321.6	50'	273.6'±
SIDE	321.6	30'	58.7'±
REAR	321.6	30'	93.5'±
FARM STRUCTURES	321.1	100'	N/A
MAX. BLDG COVERAGE	321.7	15%	1.9%
MAX. BLDG HEIGHT	321.8	35'	33.5"

* SEE ARCHITECTURAL PLANS

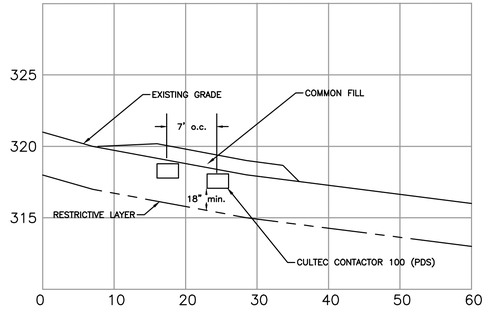


CULTEC CONTRACTOR 100 w/ PIPE DISTRIBUTION
(NTS)



HIGH LEVEL OVERFLOW DISTRIBUTION BOX

WETLANDS FLAGS LOCATED 7–31–20 FIELD DELINEATED BY SOIL & WETLAND SCIENCE, LLC DATE 7–23–20



SECTION A–A
Scale = horiz: 1" = 10ft/ vert: 1" = 5ft

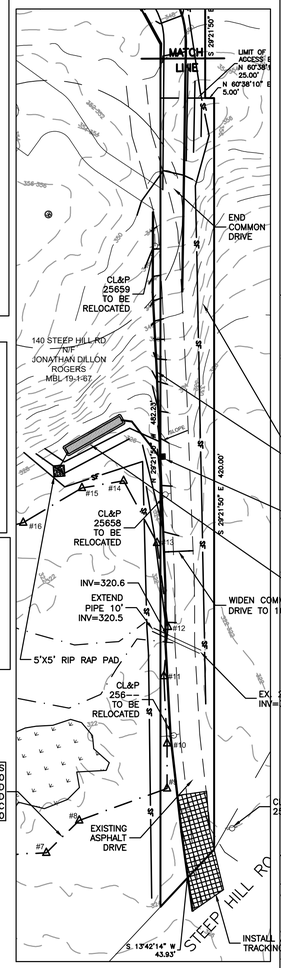
SYSTEM DETAILS	
No.	Inv.Elev.
1	319.75
2	319.0
3	318.75
No.	Elev bottom sys
4	317.5 *
5	317.0

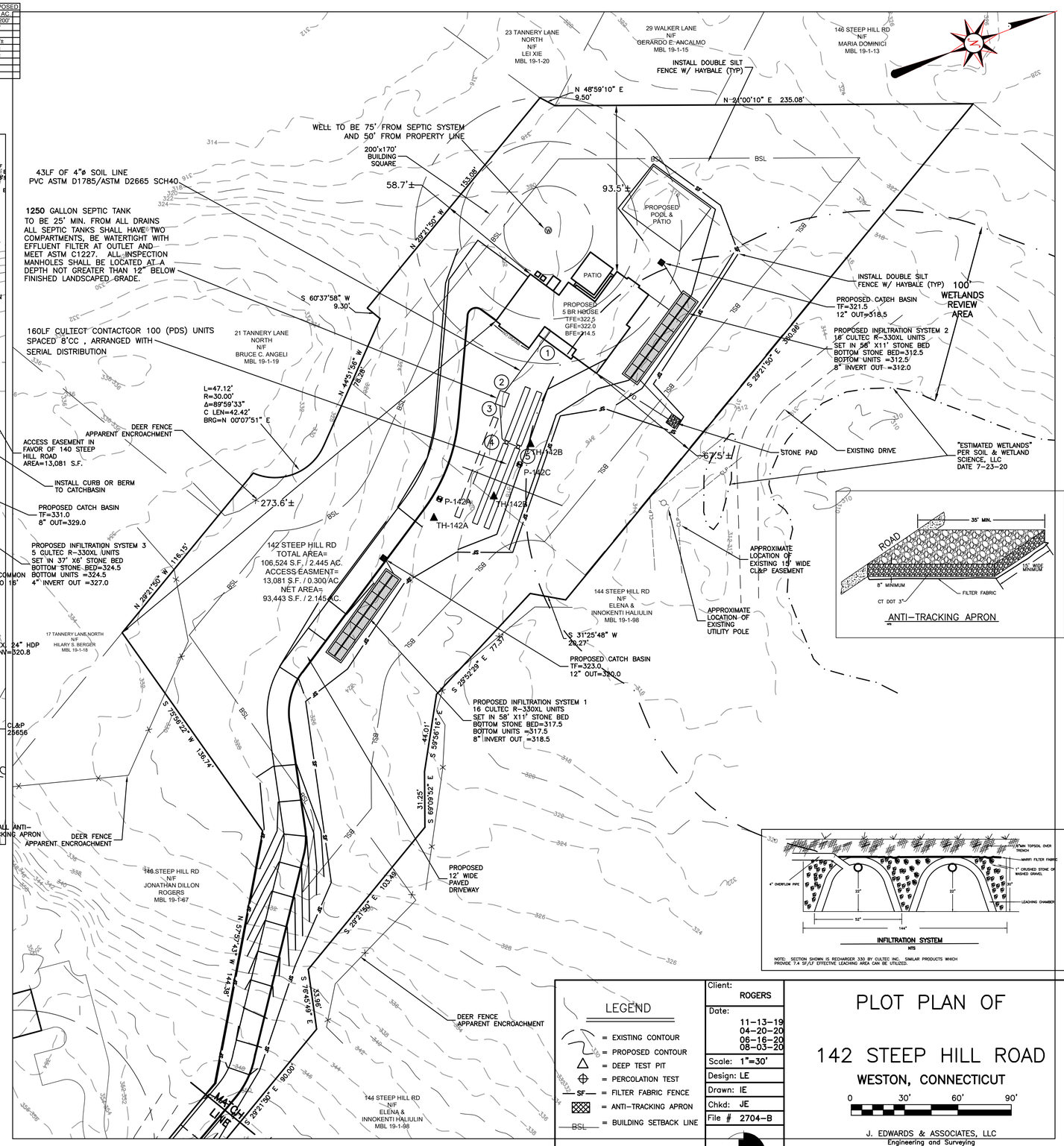
* overflow invert to lower trench to be set at elev. of top of trench/unit

I HEREBY CERTIFY THAT THE PERCOLATION TEST(S) SHOWN HEREON WERE CONDUCTED IN CONFORMANCE WITH ALL CURRENT STATE REGULATIONS UNLESS OTHERWISE NOTED HEREON.

STATE OF CONNECTICUT JASON EDWARDS LICENSED LAND SURVEYOR No. 70308
JASON EDWARDS, LLS No. 70308

STATE OF CONNECTICUT LARRY EDWARDS LICENSED PROFESSIONAL ENGINEER No. 10937
LARRY EDWARDS, PE No. 10937





ANTI–TRACKING APRON

INFILTRATION SYSTEM
NTS

NOTE: SECTION SHOWN IS RECHARGER 330 BY CULTEC INC. SIMILAR PRODUCTS WHICH PROVIDE 7.4 SF/LF EFFECTIVE LEACHING AREA CAN BE UTILIZED.

LEGEND

- = EXISTING CONTOUR
- = PROPOSED CONTOUR
- = DEEP TEST PIT
- = PERCOLATION TEST
- SF— = FILTER FABRIC FENCE
- = ANTI–TRACKING APRON
- BSL = BUILDING SETBACK LINE

Client: ROGERS
Date: 11–13–19, 04–20–20, 06–16–20, 08–03–20
Scale: 1"=30'
Design: LE
Drawn: IE
Chkd: JE
File # 2704–B

PLOT PLAN OF

142 STEEP HILL ROAD

WESTON, CONNECTICUT

0 30' 60' 90'

J. EDWARDS & ASSOCIATES, LLC
Engineering and Surveying
227 Stepney Road
Easton, CT 06612
(203) 268–4205
www.jedwardsassoc.com

FILE NO.____

TOWN of WESTON, CONNECTICUT

Incorporated 1787

Conservation Commission

NOTICE

Notice is hereby given, that the members of the Weston Conservation Commission will be conducting a site walk of the following properties on Saturday, August 15, 2020, commencing at 8:00 a.m.:

Jonathan Rogers; 142 Steep Hill Road; Widen Driveway, Extend Culvert & New House [20-07]

Daniel Rosenberg & Cheryl Sokolow; 4 Tiffany Lane; Rear Deck [20-10]

Scott & Allison Lisbon [owner], Nazzaro, Inc. [agent]; 301 Newtown Turnpike; Pond Restoration [20-11]

56 Norfield Road, P.O. Box 1007, Weston, CT 06883 Tel: (203) 222-2618