



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: 18 Kellogg Hill

Assessor's Map # 18 Block # 2 Lot # 11

PROJECT DESCRIPTION (general purpose) 1 story addition, new patio, new windows & siding

Total Acres 2.988 Total Acres of Wetlands and Watercourses _____

Acreage of Wetlands and Watercourses Altered 0 Upland Area Altered .092

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: Alejandro & Maria Garcia Phone: 646-541-5549

Address: 18 Kellogg Hill Rd, Weston, CT 06883

Email: alejandrogarcia@aol.com / mariaprado82@hotmail.com

APPLICANT/AUTHORIZED AGENT:

Name: Ann Day Architects LLC Phone: 203-557-0353

Address: 3 Willow Dr. Weston, CT 06883

Email: ann@anndayarchitects.com

CONSULTANTS: (Please provide, if applicable)

Engineer: Fairfield County Engineering LLC Phone: 203-831-8005

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

Soil Scientist: Otto Theall Phone: 203-845-0278

Address: 2 Lloyd Rd, Norwalk CT 06850 Email: soilwetlandsci@aol.com

Legal Counsel: _____ Phone: _____

Address: _____ Email: _____

Surveyor: Black Rock Surveyors, Michael McElroy Phone: 203-371-0003

Address: 1089 Church Hill Rd, Fairfield CT 06425 Email: blackrocksurvey@optonline.net

PROPERTY INFORMATION

Property Address: 18 Kellogg Hill Rd, Weston CT

Existing Conditions (Describe existing property and structures): 2.99 acre lot with a 1 1/2 story structure (residential), pond

Provide a detailed description and purpose of proposed activity (attach sheet with additional information if needed): removal of existing stone patios, 1 story additions, new stone patios and retaining wall. New siding & windows. see plans

Is this property within a subdivision (circle): Yes or (No)
Square feet of proposed impervious surfaces (roads, buildings, parking, etc.): 933sf

Subject property to be affected by proposed activity contains:

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

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

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

Amount, type, and location of materials to be removed, deposited, or stockpiled:
765sf exist patio stone/concr., 266 cf fill to be stockpiled and used at new patio

Description, work sequence, and duration of activities: see attached sequence.
removal of existing patio, excavation of soils for new foundations (soast)
remove 150sf front patio concr., 266 cf fill to be removed and used to bring up grade at new patio behind garage

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

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: 1/17/23



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions.
If completing by hand - please print and use the [pdf version](#).
Incomplete or incomprehensible forms will be mailed back to the municipal inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

- DATE ACTION WAS TAKEN: year: [Click Here for Year](#) month: [Click Here for Month](#)
- CHOOSE ACTION TAKEN (see instructions for code): [Click Here to Choose a Code](#)
- WAS A PUBLIC HEARING HELD (check one)? yes no
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(type name) _____ (signature) _____

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

- TOWN IN WHICH THE ACTIVITY IS OCCURRING (type name): Weston
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the activity is occurring (type name(s)): _____
- LOCATION (click on hyperlinks for information): USGS quad map name: 108 or quad number: _____
subregional drainage basin number: 7200-00
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): Alejandro Garcia
- NAME & ADDRESS OF ACTIVITY / PROJECT SITE (type information): 18 Kellogg Hill Rd
briefly describe the action/project/activity (check and type information): temporary permanent description: 1 story
addition and patio
- ACTIVITY PURPOSE CODE (see instructions for code): [Click Here to Choose a Code](#) ~~122~~ A
- ACTIVITY TYPE CODE(S) (see instructions for codes): [Click for Code](#), [Click for Code](#), [Click for Code](#), [Click for Code](#)
12, 2
- WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, type acres or linear feet as indicated):
wetlands: 0 acres open water body: _____ acres stream: _____ linear feet
- UPLAND AREA ALTERED (type acres as indicated): .092 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type acres as indicated): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

ITEM	REQUIRED	EXISTING	PROPOSED
ZONE	2 AC	2 AC	2 AC
FRONT	50'	76.1'	76.1'
SIDE	30'	27.6'	27.6'
REAR	30'	175.2'	175.2'
BUILDING COVERAGE	15%	2.63%	3.06%
AREA	2 AC	2.9886 AC	2.9886 AC

REFER TO WESTERN 2.0 AC PARCEL ON MAP No. 1075 ON FILE AT THE WESTON TOWN CLERK'S OFFICE

WETLANDS MARKED BY OTTO THEA, SOIL SCIENTIST.

11-4-22 "B-100 A" House is 3 Bedrooms, and Not Increasing Provide B-100 A For 4 Bedrooms!

1- BASED ON 1"10 minute Perc rate 4 Bedrooms require 577.5 sq. FT.
Propose to install 1250 S.T, 1000 P.C. and 60' of GLF 12x72 (10.1 sq. FT/LF) 606 sq. FT

2- MLSS = 59.5' Provide 60'

FF = 1.75

PF = 1.0
HF = 34 (4% to 6% slope) Any restrictive layer 24.75
32+31 = 63+2 = 31.5+18 = 49.5+2 = 24.75

3- old system pumped crushed and filled in. Maintain 75' from well + neighboring wells
10' Property Line
25' from Full Basement
Utilities overhead
No buried Propane tanks.
100' from wetlands

4- Drawn By PAUL Lauterbach (Lauterbach Inc.)
83 Taylorwood Rd.
Fairfield CT 06824
CT State Lic # 3462
PH: (203) 521-0382

TH#1

12"-T.S
12"-32" RBSL
32-76 - Tan Brown sand silt w/ gravel and nodules
Nodules @ 32"
Roots 52"

TH#2

12"-T.S
12-31-RBSL
31-72 - Tan Brown silt w/ gravel + nodules
Rest @ 31"

TH#3

14" Misc. Fill
14-20 orig. T.S
20-32 - RBSL
32-74 - Tan Brown sand + silt w/ gravel and nodules
32-14 = 18" Rest Layer

PT 32" Deep
(Prescribed Day Before + Morning)
9:56-35
10:06-17
10:16-21

10:26-23.25 (Refill)
8:5

10:36-17.25

10:46-21

10:56-24

11:06-26.5

DEPENDENT RESURVEY

THIS SURVEY WAS PREPARED FOR A SPECIFIC PURPOSE. ANY USE OTHER THAN THAT WHICH WAS ORIGINALLY INTENDED IS A MISUSE OF THIS INFORMATION AND RENDERS THE PREPARER'S DECLARATION NULL & VOID.

UNDERGROUND IMPROVEMENTS OR UNDERGROUND ENCROACHMENTS IF ANY ARE NOT SHOWN.

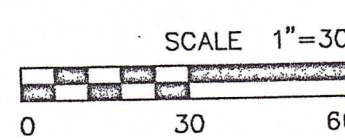
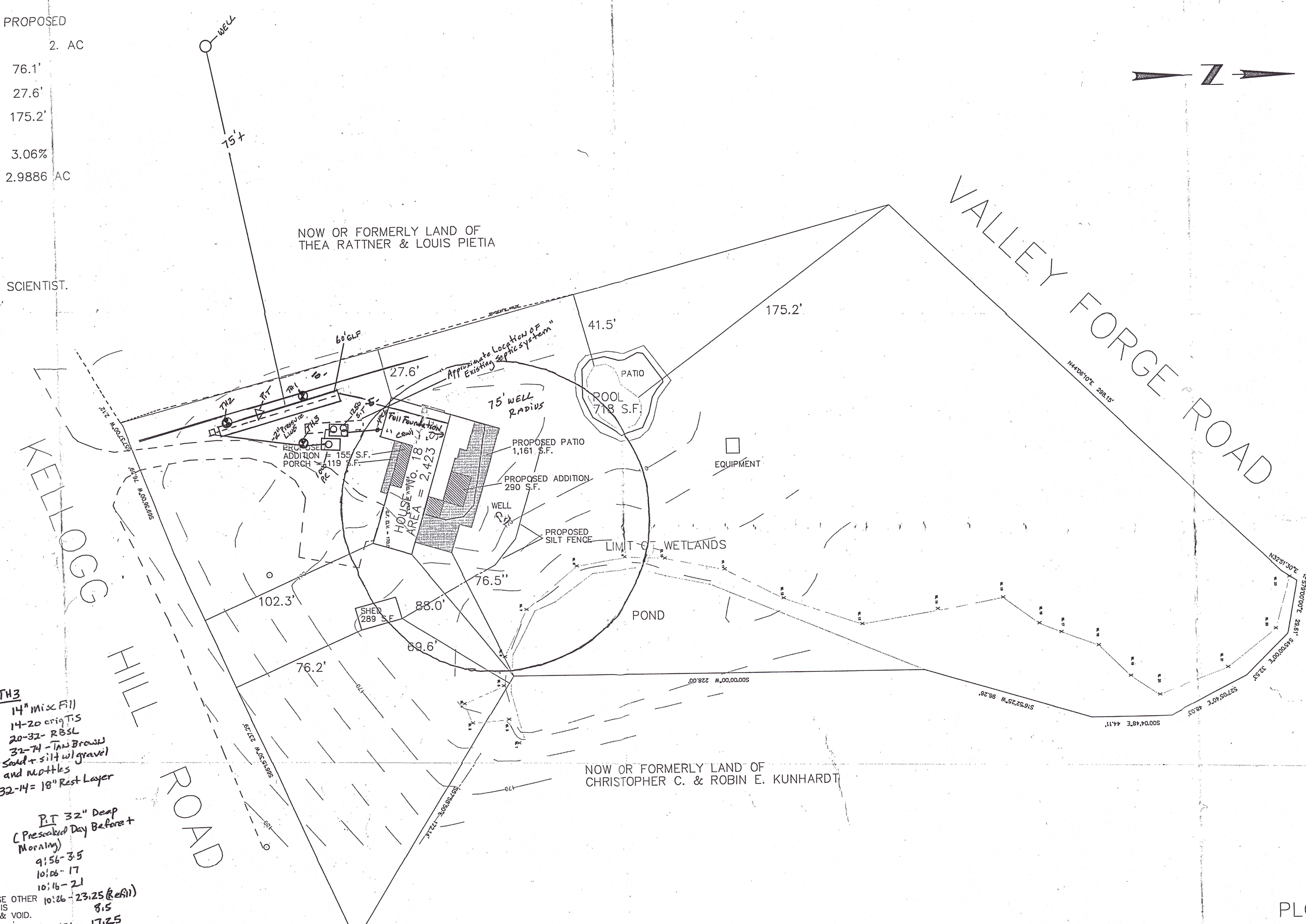
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY, WHICH BEARS THE SURVEYORS' STAMP OR SEAL, RENDERS ANY DECLARATION SHOWN HEREON NULL AND VOID.

THE SURVEY AND DECLARATION SHOWN HEREON IS NULL AND VOID WITHOUT THE LICENSED SURVEYORS ORIGINAL STAMP OR EMBOSSED SEAL.

THIS MAP DOES NOT CONSTITUTE EITHER A SUBDIVISION OR A RESUBDIVISION UNDER THE TERMS OF SECTION 8-18 OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS SURVEY AND MAP WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF ACCURACY OF A CLASS "A-2" SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS ADOPTED JUNE 21, 1986 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

MICHAEL L. McELROY, L.L.S. No. 17250



PLOT PLAN
 OF
 18 KELLOGG HILL ROAD
 PREPARED FOR
 ALEJANDRO & MARIA ISABEL GARCIA
 APRIL 8, 2021 SCALE: 1" = 30'
 WESTON, CONNECTICUT
 BLACK ROCK SURVEYORS
 1089 CHURCH HILL ROAD
 FAIRFIELD, CONNECTICUT
 (203) 371-0003
 blackrocksurvey@optonline.net

RECEIVED
 NOV 04 2022
 ASPETUCK
 HEALTH DISTRICT

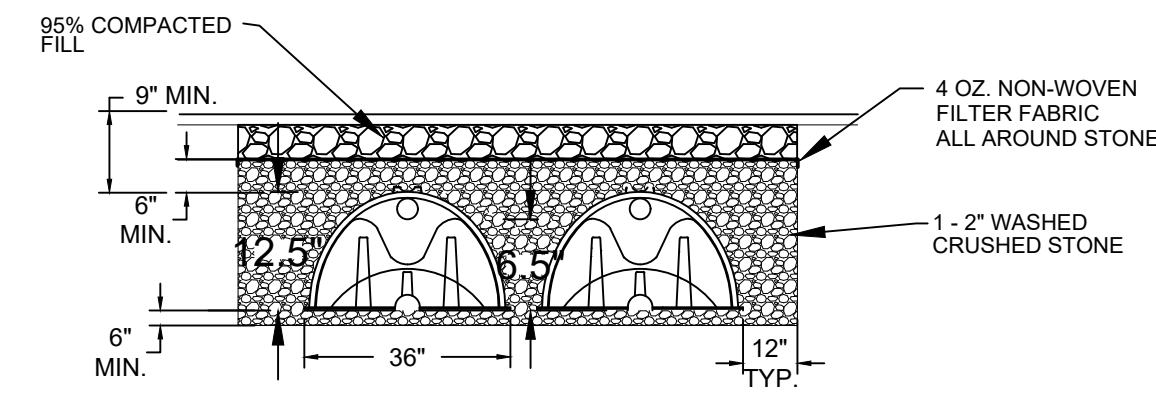
FCE Project #	2145	Date Performed:	3/2/2023
Client:	Alejandro and Maria Garcia		
Location:	18 Kellogg Hill Road, Weston		
Observed by:	Wayne D'Avanzo		
Test Hole 1:			
	0-6"	Topsoil	
	6-12"	Brown Silty Loam	
	12-40"	Brown Gravel and Silt	
	Ground Water @ 37"		
	Mottling @ 24"		
	No Ledge		

Conducted by:	Wayne D'Avanzo	Project:	2145
Location:	18 Kellogg Hill Road	Town:	Weston
Client:	Alejandro and Maria Garcia	Date:	3/2/2023

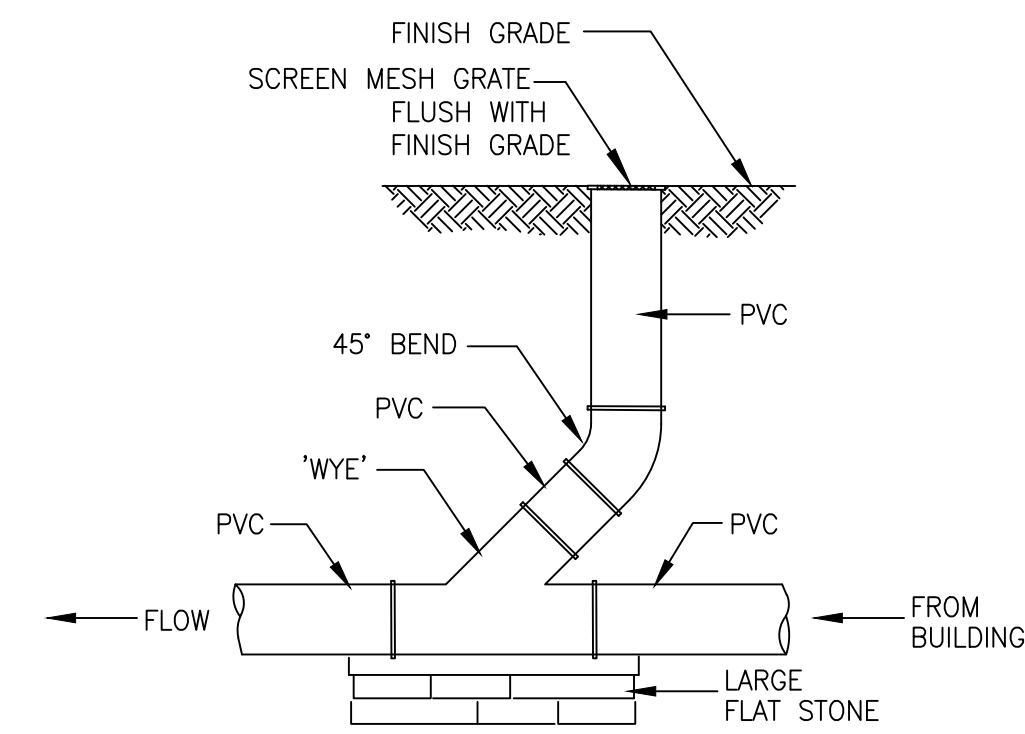
Weather conditions prior to and during tests:
Overcast, no rain

Single Lot:	X	Subdivision:	
Diameter of Hole:	8"	Depth of Hole:	22"

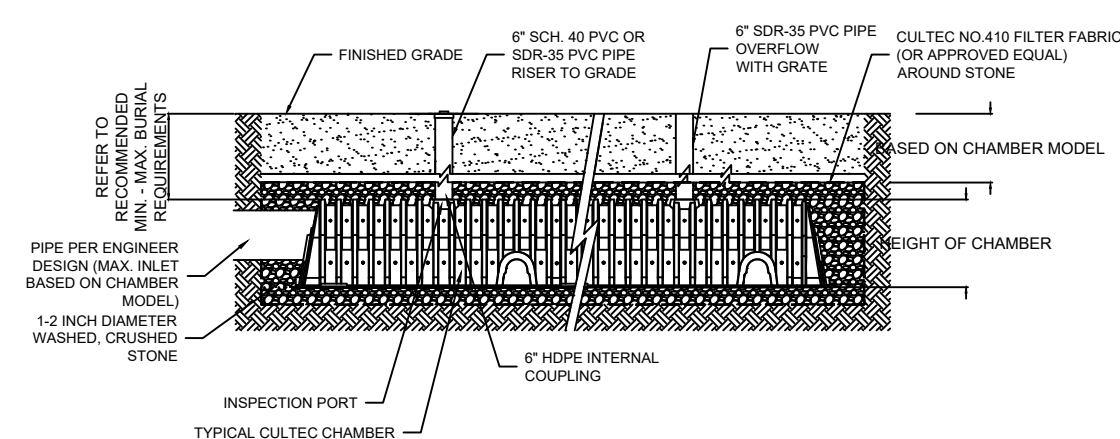
PT-1				Design
Pre-soak @ 9:10 AM				17'20 Min.
Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
10:20 AM	---	6"	---	---
10:30 AM	10 Min.	10"	4"	2.5 Min.
10:40 AM	10 Min.	12 1/2"	2 1/2"	4.0 Min.
10:50 AM	10 Min.	14 1/2"	2"	5.0 Min.
11:00 AM	10 Min.	15 3/4"	1 1/4"	8.0 Min.
11:10 AM	10 Min.	16 1/2"	3/4"	13.3 Min.
11:20 AM	10 Min.	17"	1/2"	20.0 Min.



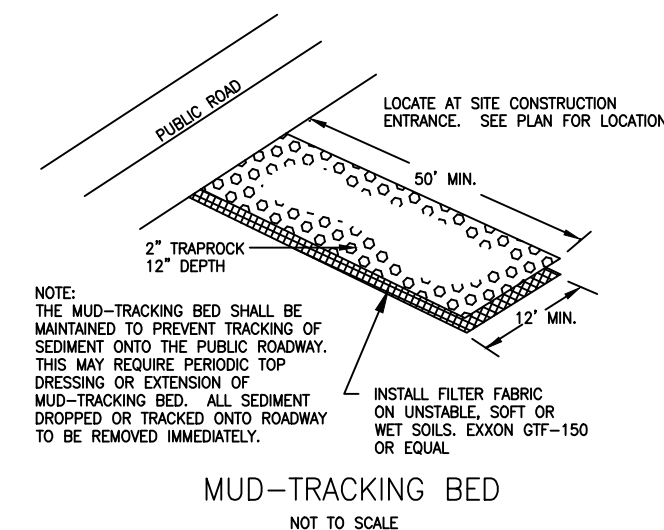
CULTEC CONTRACTOR C-100
TYPICAL CROSS SECTION



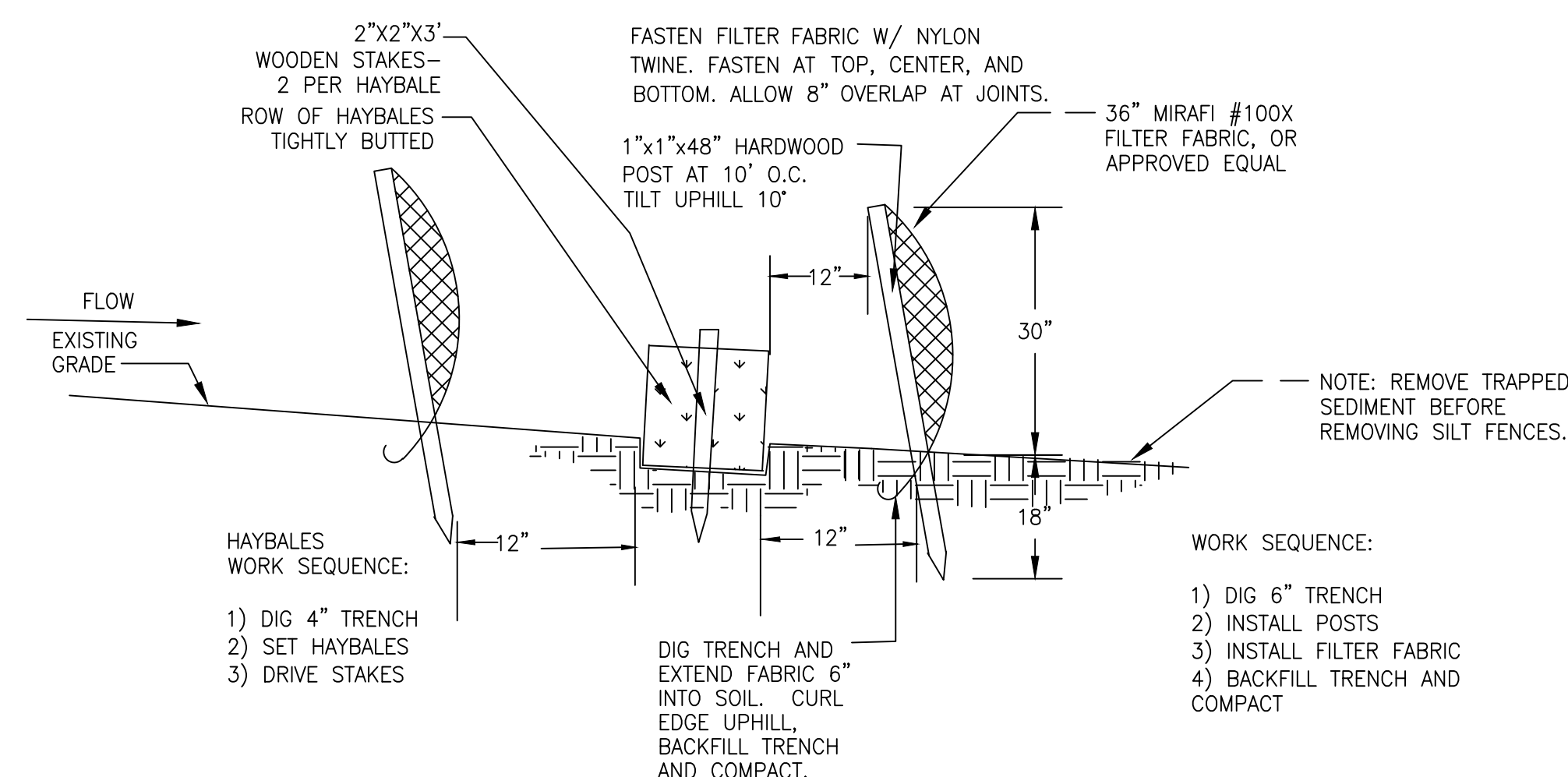
TYPICAL CLEANOUT
NOT TO SCALE



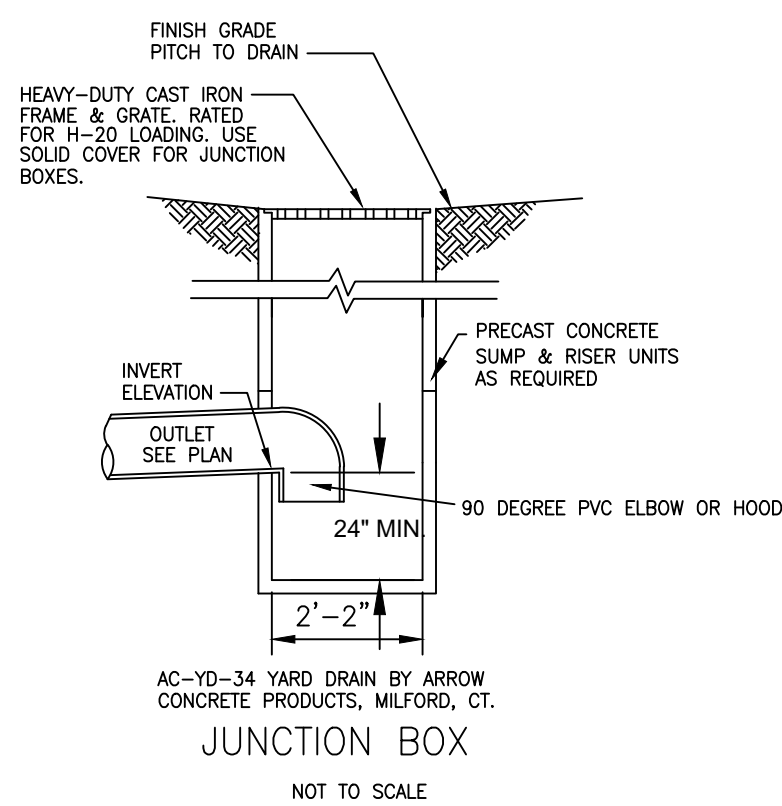
NUMBER OF UNITS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
CULTEC INSPECTION PORT AND OVERFLOW
(AS APPLICABLE)



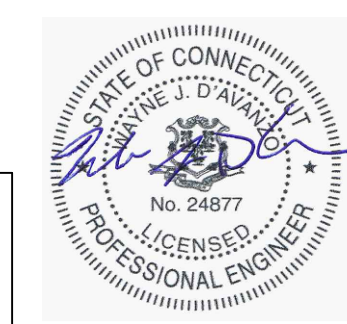
MUD-TRACKING BED
NOT TO SCALE



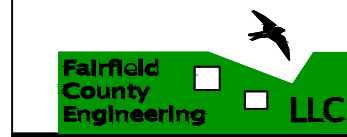
DOUBLE SILT FENCE W/HAYBALES
NOT TO SCALE



JUNCTION BOX
NOT TO SCALE



3-3-23
date



FAIRFIELD COUNTY ENGINEERING L.L.C.

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

ALEJANDRO AND MARIA GARCIA
18 KELLOGG HILL ROAD WESTON, CONNECTICUT

DETAIL SHEET

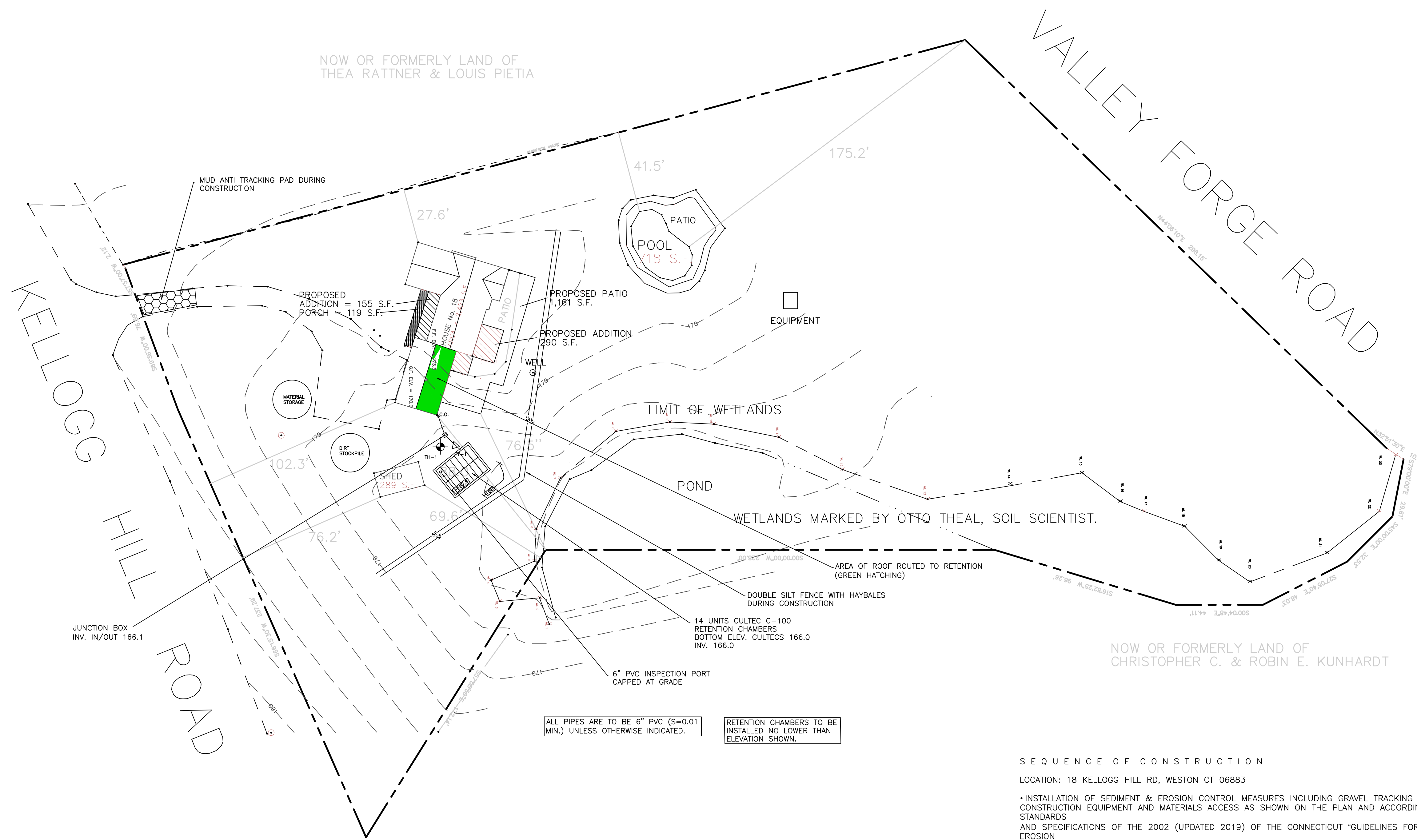
CIVIL ENGINEERS

2145
project

2 OF 2
sheet

GENERAL CONSTRUCTION NOTES:

- CONSTRUCTION AND STRUCTURES SHALL COMPLY WITH ALL MUNICIPAL OR STATE REQUIREMENTS. ALL WORK SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE SATISFACTION OF THE ENGINEERING BUREAU, THAT CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS.
- THE ENGINEERING BUREAU OF THE DEPARTMENT OF PUBLIC WORKS AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
- NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES.
- SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. IN ORDER TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. IF THE CONTRACTOR DETERMINES THAT A CONFLICT EXISTS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, WHO WILL MAKE THE NECESSARY ADJUSTMENTS.
- EXISTING PROPERTY AND UTILITY INFORMATION WAS TAKEN FROM A SURVEY BY BLACK ROCK SURVEYORS TITLED "PLOT PLAN PREPARED FOR ALEJANDRO AND MARIA GARCIA", DATED MARCH 7, 2022.
- ALL SANITARY SEWER PIPE SHALL BE EITHER SDR-35 P.V.C. (ASTM D-3034) OR CLASS 52 DUCTILE IRON (ANSI A 21-51), AS INDICATED ON THE PLANS, UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL HAVE RUBBER GASKET SLIP-TYPE JOINTS. INFILTRATION INTO SANITARY SEWERS SHALL NOT EXCEED 150 GALLONS PER INCH OF PIPE DIAMETER PER MILE OF PIPE IN 24 HOURS.
- THESE PLANS ARE FOR MUNICIPAL OR STATE AGENCY APPROVAL ONLY. NOT FOR CONSTRUCTION.
- NO PIPE SHALL HAVE A BEND OF GREATER THAN 45 DEGREES.
- THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455, OR OTHER APPROPRIATE CONTACT POINT PRIOR TO START OF CONSTRUCTION.
- ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
- THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
- TOTAL SITE AREA = 2.9886 ACRES



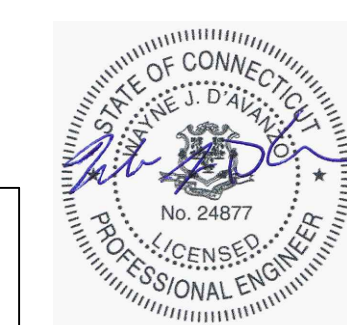
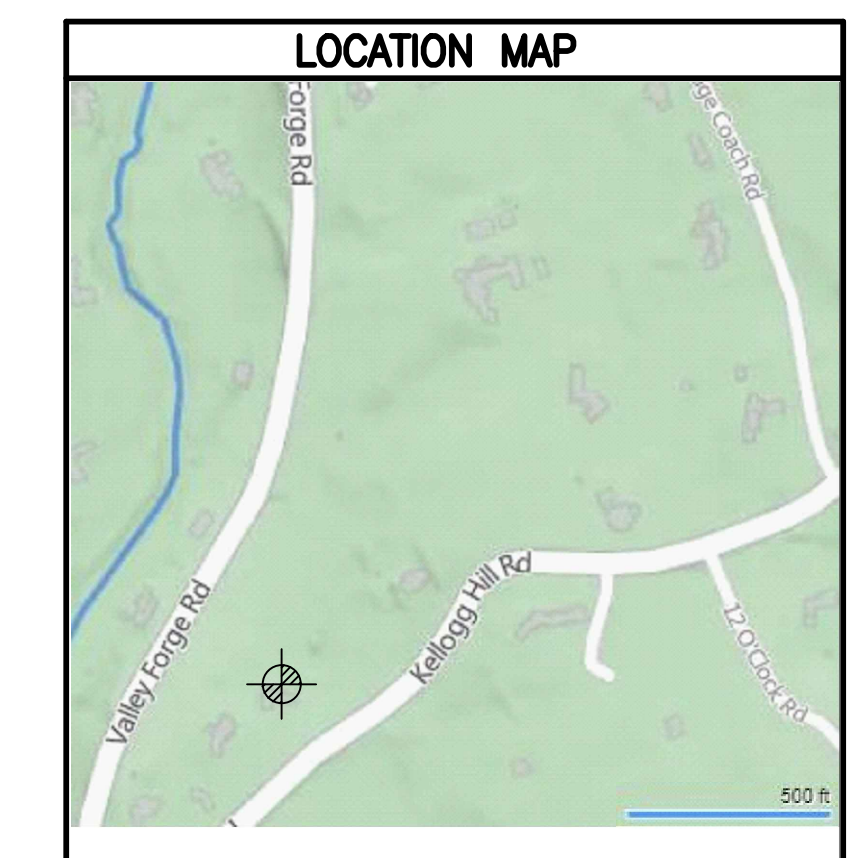
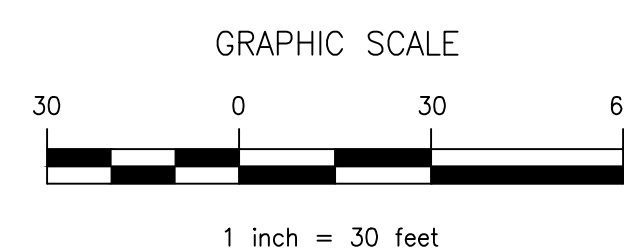
SEQUENCE OF CONSTRUCTION

LOCATION: 18 KELLOGG HILL RD, WESTON CT 06883

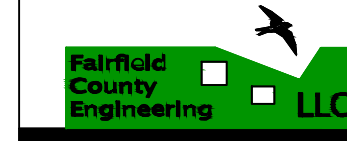
- INSTALLATION OF SEDIMENT & EROSION CONTROL MEASURES INCLUDING GRAVEL TRACKING PADS FOR CONSTRUCTION EQUIPMENT AND MATERIALS ACCESS AS SHOWN ON THE PLAN AND ACCORDING TO STANDARDS AND SPECIFICATIONS OF THE 2002 (UPDATED 2019) OF THE CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL HANDBOOK".
- CONTACT THE MUNICIPAL CONSERVATION OFFICER ONE WEEK PRIOR TO ONSET OF ACTIVITY FOR INSPECTION OF CONTROLS BEFORE CONSTRUCTION BEGINS.
- CALL BEFORE YOU DIG 1-800-922-4455
- STAKE AREAS FOR CONSTRUCTION AND EXCAVATION.
- BEGIN SITE DEVELOPMENT WITH EXCAVATION AND PROPER TEMPORARY STORAGE OF EXCAVATED MATERIALS ACCORDING TO THE PLAN
- REMOVAL OF STONE PATIO AND STONE WALLS IN AREA OF PROPOSED REAR ADDITIONS.
- EXCAVATION OF PROPOSED FOOTINGS & FOUNDATIONS.
- INSTALL NEW CONCRETE FOOTINGS, FOUNDATION & SLAB.
- FRAMING OF PROPOSED ADDITION.
- ENCLOSING OF ADDITION (ROOF, WALLS, WINDOWS & DOORS)
- PLACE AND GRADE BANKS AND PROVIDE STABILIZATION AS REQUIRED.
- ROUGH GRADING OF SITE AROUND NEW ADDITION.
- INSTALL WALKWAYS.
- FINAL GRADING OF SITE WITH TOP SOIL IN DISTURBED AREAS.
- INSTALLATION OF PLANTINGS & SEEDING OF LAWN.
- REMOVE GRAVEL TRACKING PAD, REPAIR ANY DAMAGE; DO NOT REMOVE EROSION CONTROL AND SEDIMENTATION CONTROLS UNTIL RE-SEEDING AREAS HAVE BEEN ESTABLISHED.
- CONTACT THE MUNICIPAL CONSERVATION OFFICER FOR SITE INSPECTION BEFORE REMOVING EROSION AND SEDIMENTATION CONTROLS.

SEDIMENTATION AND EROSION CONTROL NOTES

- LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. PERMANENT STABILIZATION SHALL BE SCHEDULED AS SOON AS FINAL GRADES ARE ESTABLISHED.
- ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH AN APPROVED SEED MIXTURE. COVER NEWLY SEEDED AREAS WITH MULCH HAY OR SALT HAY.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" HANDBOOK.
- ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. CHECK AFTER EACH STORM EVENT.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF REQUIRED BY TOWN AUTHORITIES.
- SEDIMENT DEPOSITS REMOVED FROM FILTER BARRIERS SHALL BE PLACED IN FILL AREAS OR SPREAD WHERE THERE IS PROPOSED VEGETATIVE COVER. ANY SEDIMENT DEPOSITS REMAINING AFTER THE FILTER BARRIER IS REMOVED SHALL BE FINE GRADED AND PLANTED ACCORDING TO PLAN.
- THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.



3-3-23
date



ALEJANDRO AND MARIA GARCIA
18 KELLOGG HILL ROAD WESTON, CONNECTICUT

DRAINAGE PLAN

CIVIL ENGINEERS

2145 project

FAIRFIELD COUNTY ENGINEERING L.L.C.

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

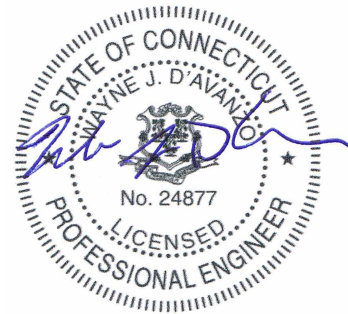
DRAINAGE REPORT
PREPARED FOR
EXISTING AND PROPOSED SITE CONDITIONS

LOCATED AT:

18 KELLOGG HILL ROAD

WESTON, CONNECTICUT

FCE #2145



February 18, 2023

FAIRFIELD COUNTY ENGINEERING, LLC
CIVIL ENGINEERS

60 WINFIELD ST.
NORWALK, CONNECTICUT 06855
(203) 831-8005
FAX: (203) 831-8006
E-mail to: wayne@fairfieldce.com



NARRATIVE:

The subject of this report is a 2.99 acre parcel located at 18 Kellogg Hill Road in Weston. The purpose of this report is to determine the existing and proposed runoffs resulting from the proposed site improvements in order to design a stormwater management system.

EXISTING CONDITIONS:

The subject parcel is located at the northwest side of Kellogg Hill Road, approximately 800 feet from its intersection with Valley Forge Road. The lot currently contains a single family residence, driveway, pool and shed. The lot slopes moderately to steeply from the front down to the wetlands, generally from the southeast to the northwest.

Existing soils at this location, as identified in the NRCS Soil Survey of Fairfield County, Connecticut, consist of a combination of Canton and Charlton fine sandy loams, 3 to 25 percent slopes, which has a Hydrologic classification of "B", and Paxton and Montaul fine sandy loams, 8 to 15 percent slopes, which has a Hydrologic classification of 'C'.

For the purposes of this analysis, a Hydrologic classification of "B" was used.

The existing runoff as developed from a 50-Year rainfall event is 14.89 c.f.s.

PROPOSED CONDITIONS:

The proposal for this site is to construct additions to the residence and a patio.

The proposed runoff (unmitigated) from a 50-Year rainfall event is 14.89 c.f.s.

COMPUTATIONS:

The following computations of the existing and proposed conditions runoff flows were derived from the HydroCAD computer software. HydroCAD follows the NRCS TR-20 procedure for computing stormwater runoff. Computations were performed for a 50-year storm event, which has a 2% chance of occurring in any given 12 month period.

Existing Conditions:

House	2,423 s.f.	CN 98
Driveway	2,836 s.f.	CN 98
Patio	792 s.f.	CN 98
Pool	718 s.f.	CN 98
Patio	771 s.f.	CN 98
Shed	289 s.f.	CN 98
Lawn	122,354 s.f.	CN 69
Total -	130,183 s.f.	

Weighted CN - **71**

Proposed Conditions:

House	2,987 s.f.	CN 98
Driveway	2,836 s.f.	CN 98
Patio	1,161 s.f.	CN 98
Pool	718 s.f.	CN 98
Patio	771 s.f.	CN 98
Shed	289 s.f.	CN 98
Lawn	121,421 s.f.	CN 69
Total -	130,183 s.f.	

Weighted CN - **71**

Water Quality Volume

$$I = (6.7 \times 0.009) + 0.05 = 0.1103$$

$$WQV = (0.1103 (2.99 \text{ acres})/12) = 0.027483 \text{ ac-ft} = 1197.2 \text{ ft}^3.$$

Groundwater Recharge Volume

$$GWV = 1197.2 \times 0.25 = 0.0032379 \text{ ac-ft} = 299.3 \text{ ft}^3.$$

SUMMARY

Existing Runoff (50 Year):	14.89 c.f.s.
Proposed Runoff (50 Year):	14.89 c.f.s.
Proposed Impervious Run-off Retained (50 Year):	0.06 c.f.s
Proposed Run-off from Areas Bypassing Retention plus overflow (50 Year):	14.85 c.f.s.

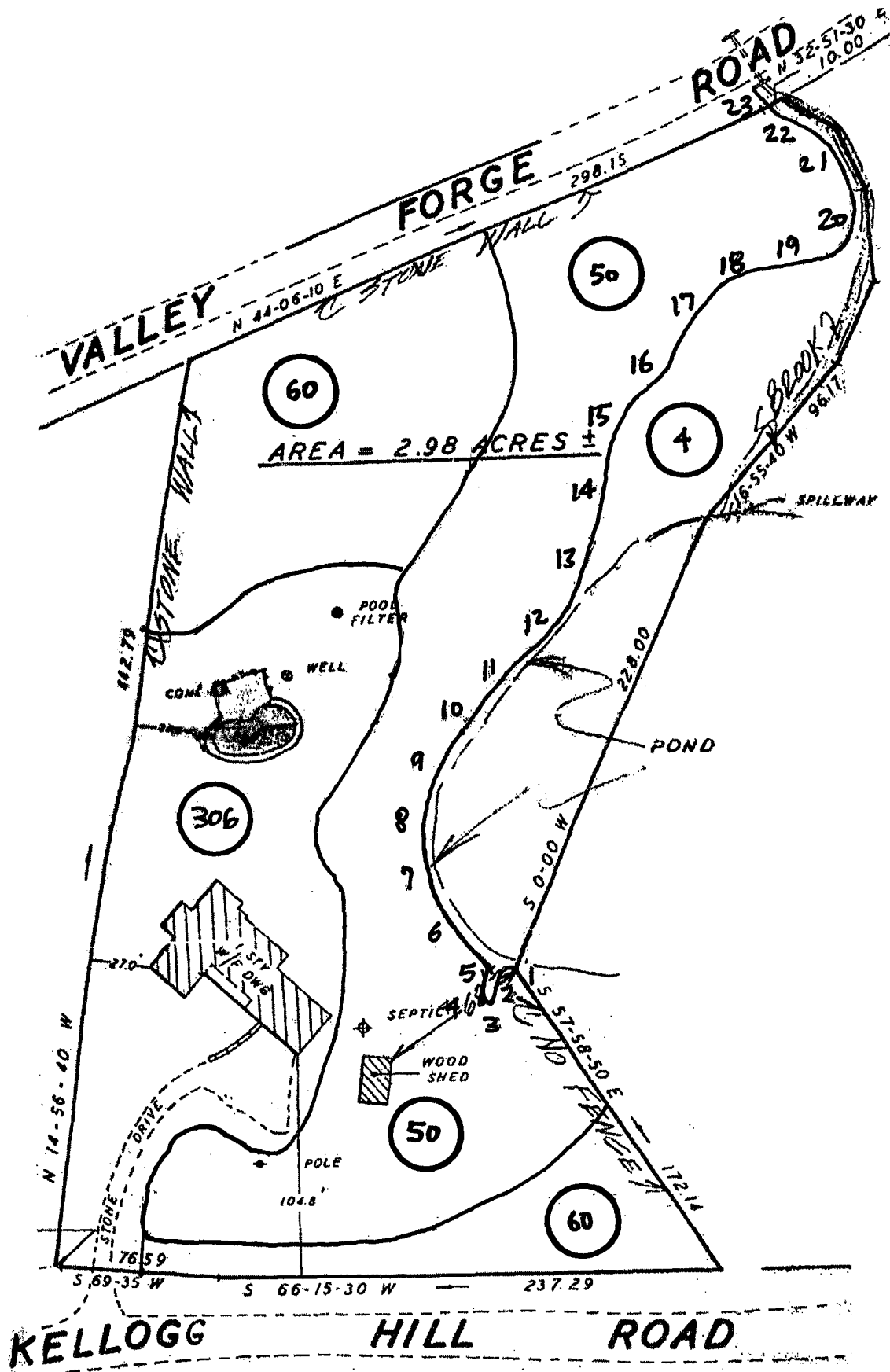
CONCLUSIONS:

The increased run-off resulting from the proposed site improvements will be retained in an on-site retention system. The run-off from a portion of the house roof will be routed to 14 units of Cultec C-100 retention chambers.

This system will decrease the net peak runoff during a 50 Year storm to 14.85 c.f.s. from its current peak of 14.89 c.f.s.

The proposed retention system provides 311 ft³ of storage, which will accommodate the runoff from a 50 Year rainfall event routed to the system, and provides groundwater recharge.

The proposed improvements will have no adverse impact on surrounding properties.



SOIL SURVEY SKETCH MAP
 18 KELLOGG HILL ROAD
 WESTON, CONNECTICUT
 SOIL & WETLAND SCIENCE, LLC
 OTTO R. THEALL
 PROFESSIONAL SOIL SCIENTIST
 APRIL 7, 2021

SOIL LEGEND:
 Wetland soils:
 4 = Leicester fine sandy loam
 Non-wetland Soils:
 50 = Sutton fine sandy loam
 60 = Canton and Charlton soils
 306 = Udorthents-Urban land complex

SOIL & WETLAND SCIENCE, LLC
OTTO R. THEALL
PROFESSIONAL SOIL SCIENTIST / WETLAND SCIENTIST
2 LLOYD ROAD
NORWALK, CONNECTICUT 06850
OFFICE (203) 845-0278
EMAIL: soilwetlandsci@aol.com

SOIL INVESTIGATION REPORT
18 KELLOGG HILL ROAD
WESTON, CONNECTICUT
APRIL 7, 2021
JOB 4418

I conducted an on-site investigation of the soils on the residential property that is located at 18 Kellogg Hill Road in Weston, Connecticut on April 3 and 7, 2021. The examination for wetland soils was conducted in the field by inspection of soil samples taken with spade and auger.

The definitions of inland wetlands and watercourses are as follows. Inland wetlands in Connecticut, according to Connecticut General Statutes, are lands, including submerged lands, which consist of any of the soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey of the Natural Resources Conservation Service. Watercourses include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent.

The wetland line was marked in the field with pink flags numbered 1 through 23. The wetland contains a pond and stream (watercourse). The wetland soils consist of Leicester fine sandy loam (4). The non-wetland soils consist of Sutton fine sandy loam (50), Canton and Charlton soils (60), and Udorthents-Urban land complex (306). The soil map units contain inclusions of other soil types. The results of this investigation are subject to change until they are accepted by Weston Conservation Commission.

Respectfully submitted:

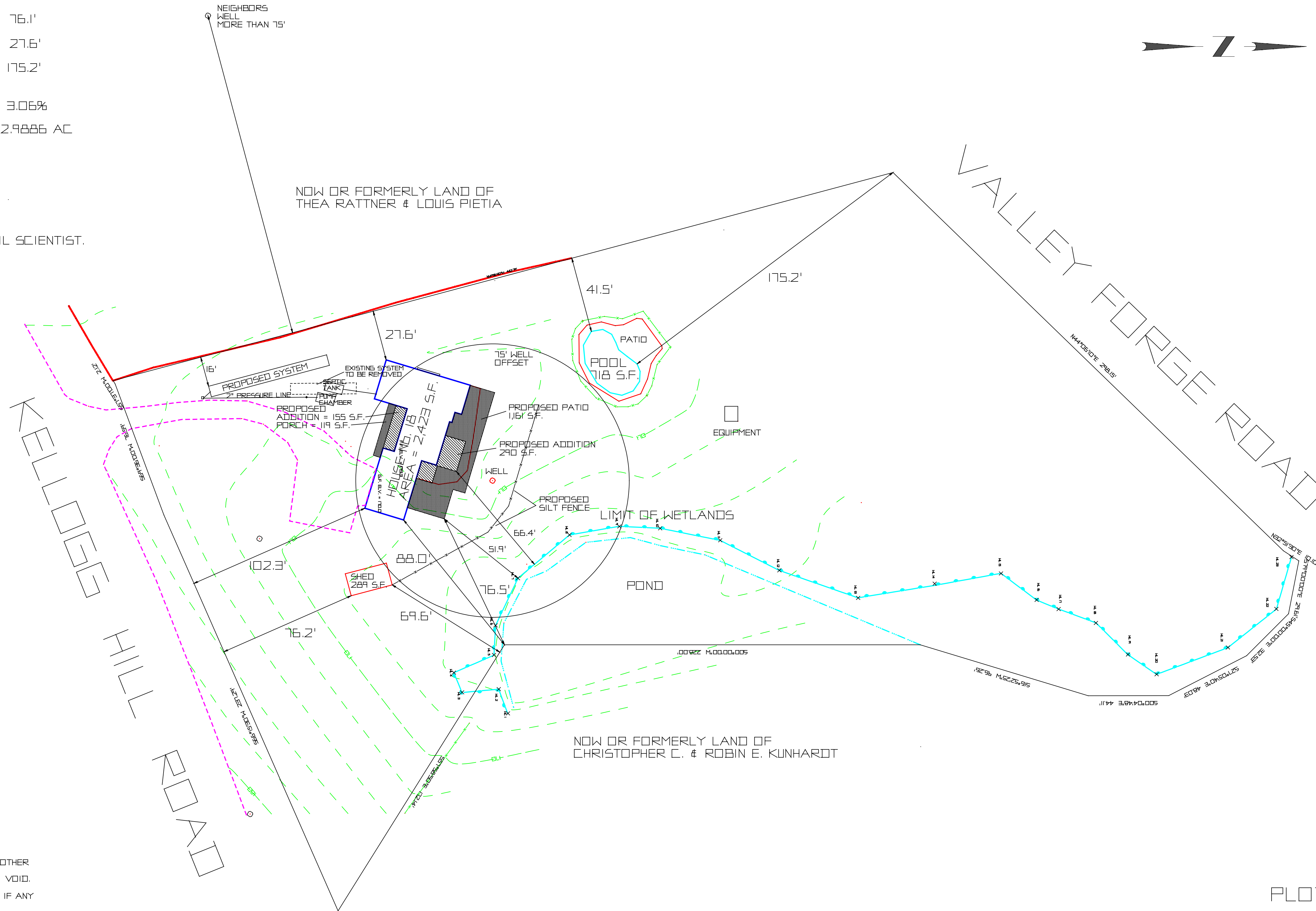


Otto R. Theall
Professional Soil Scientist

ITEM	REQUIRED	EXISTING	PROPOSED
ZONE	2 AC	2 AC	2. AC
FRONT	50'	76.1'	76.1'
SIDE	30'	27.6'	27.6'
REAR	30'	175.2'	175.2'
BUILDING COVERAGE AREA	15%	2.63%	3.06%
AREA	2 AC	2.9886 AC	2.9886 AC

REFER TO WESTERN 2.0 AC PARCEL ON MAP No. 1075 ON FILE AT THE WESTON TOWN CLERK'S OFFICE

WETLANDS MARKED BY OTTO THEA, SOIL SCIENTIST.



DEPENDENT RESURVEY

THIS SURVEY WAS PREPARED FOR A SPECIFIC PURPOSE. ANY USE OTHER THAN THAT WHICH WAS ORIGINALLY INTENDED IS A MISUSE OF THIS INFORMATION AND RENDERS THE PREPARERS DECLARATION NULL & VOID.

UNDERGROUND IMPROVEMENTS OR UNDERGROUND ENCROACHMENTS IF ANY ARE NOT SHOWN.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY, WHICH BEARS THE SURVEYORS STAMP OR SEAL, RENDERS ANY DECLARATION SHOWN HEREON NULL AND VOID.

THE SURVEY AND DECLARATION SHOWN HEREON IS NULL AND VOID WITHOUT THE LICENSED SURVEYORS ORIGINAL STAMP OR EMBOSSED SEAL.

THIS MAP DOES NOT CONSTITUTE EITHER A SUBDIVISION OR A RESUBDIVISION UNDER THE TERMS OF SECTION 8-18 OF THE CONNECTICUT GENERAL STATUTES, AS AMENDED.

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS SURVEY AND MAP WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF ACCURACY OF A CLASS A-2 SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS ADOPTED JUNE 21, 1996 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

MICHAEL L. McELROY, L.L.S. No. 17250

PLOT PLAN
OF
18 KELLOGG HILL ROAD
PREPARED FOR
ALEJANDRO & MARIA ISABEL GARCIA
APRIL 8, 2021 SCALE: 1" = 30'
WESTON, CONNECTICUT
BLACK ROCK SURVEYORS
1089 CHURCH HILL ROAD
FAIRFIELD, CONNECTICUT
(203) 371-0003
blackrocksurvey@optonline.net

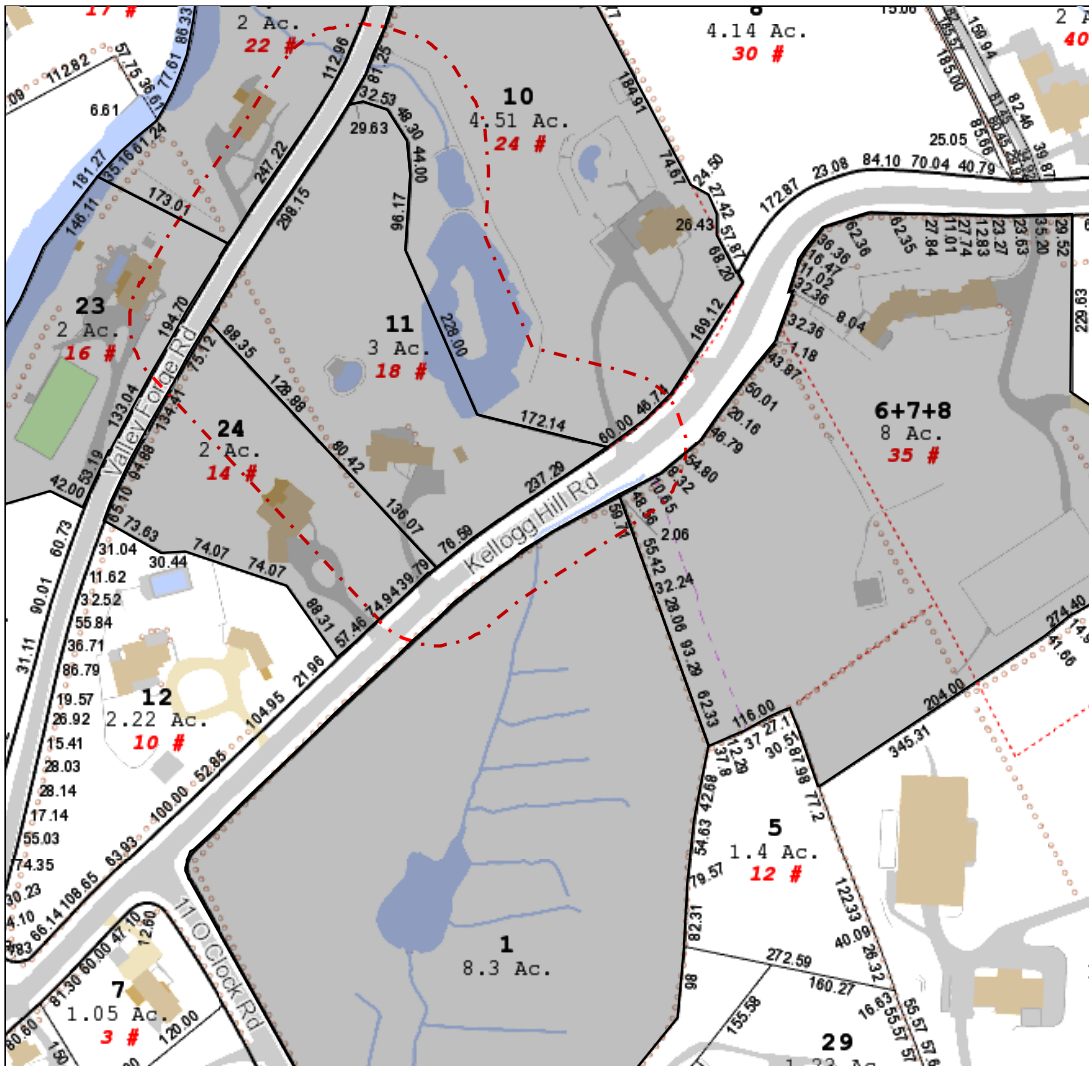
REV. 3-7-2022
REV. 1-5-2023
REV. 3-15-2023

Town of Weston

Geographic Information System (GIS)



Date Printed: 2/7/2023

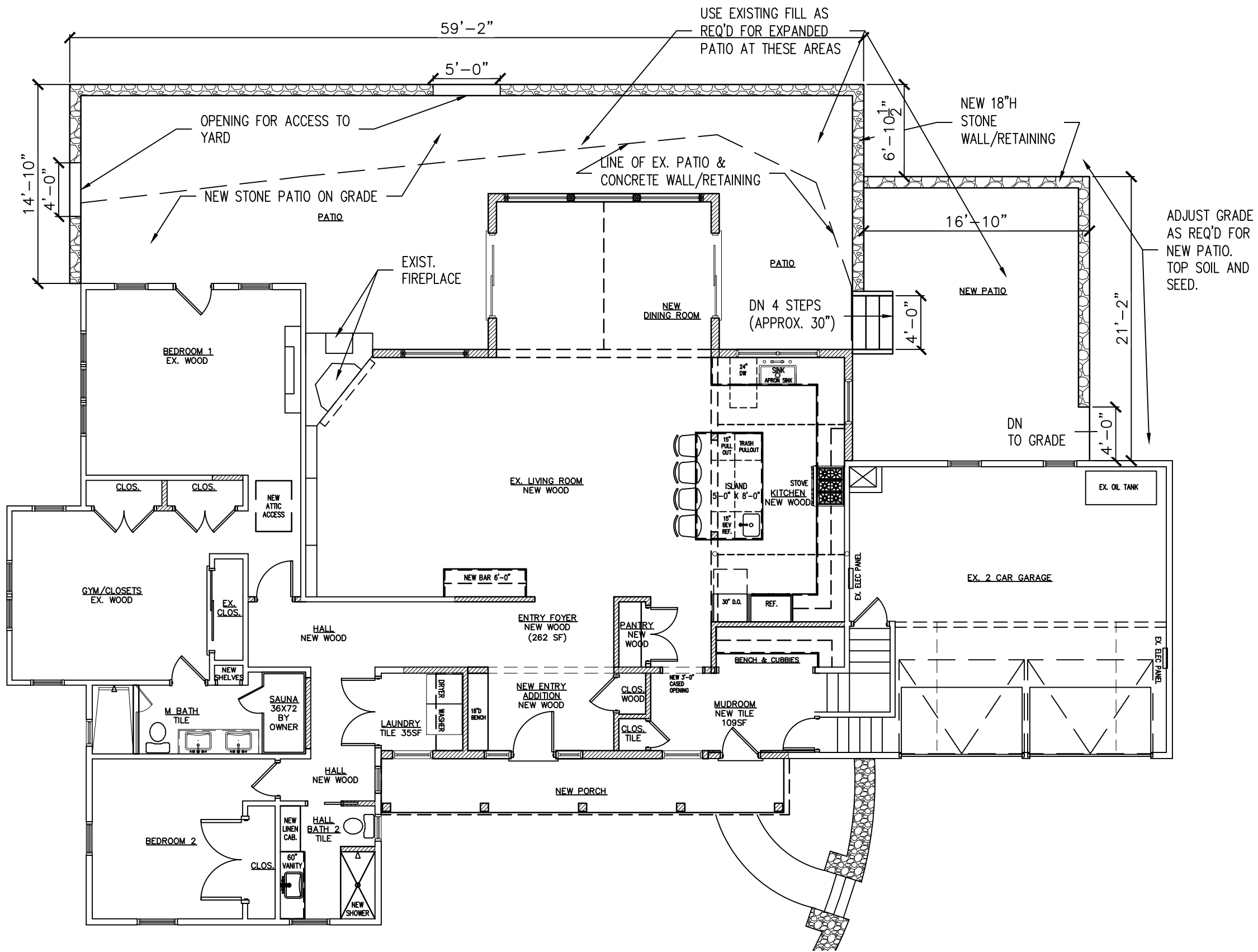


MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Weston and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 75 ft





NOT FOR
CONSTRUCTION
OR PERMIT

Drawings and specifications as instruments of professional service are, and shall remain, the property of the designer. These documents are not to be used, in whole or part, for any other projects or purposes or by any parties other than those properly authorized by contract without the specific written authorization of Ann Day Architects LLC and/or its authorized agent(s).

ARCHITECT
Ann Day Architects LLC
3 Willow Dr. Weston, CT 06883
(203) 557-0353 p

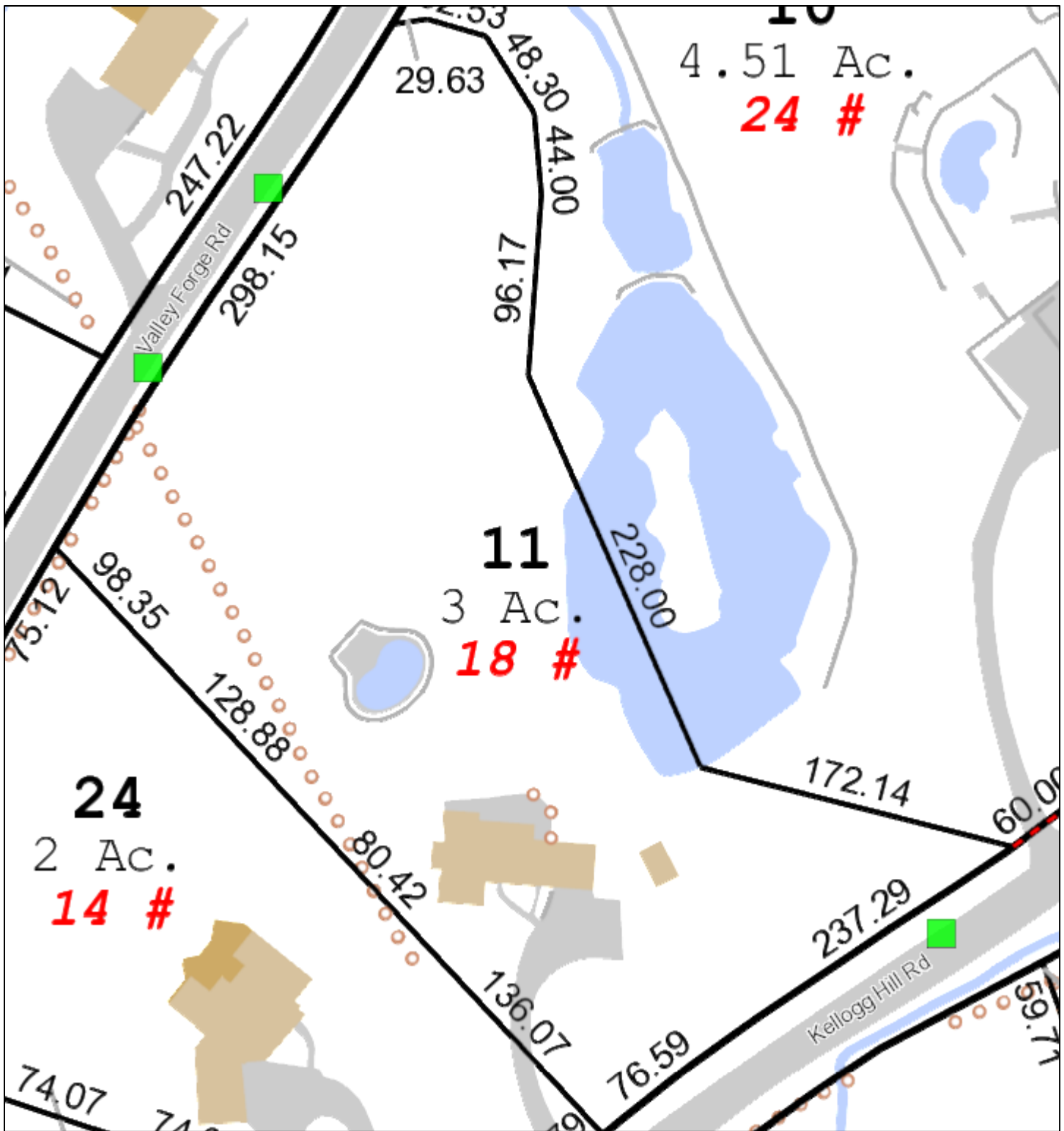
NOTES

PROJECT
Garcia Residence
18 KELLOGG HILL RD WESTON CT
2103

SHEET INFO.
PROPOSED PATIO PLAN
SCALE: 1/8" = 1'-0"
MARCH 17, 2023

SHEET NO.
PATIO

Town of Weston, CT



February 7, 2023

