INLAND WETLANDS
COMMISSION
Telephone (203) 563-0180
Fax (203) 563-0284

TOWN HALL
238 Danbury Road
Wilton, Connecticut 06897

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY

For Office Use Only:

WET#_____

Filing Fee $_____ Wilton Land Record Map# _____

Date of Submission _____ Volume # _____ Page # _____

Date of Acceptance_____ Assessor's Map # _____ Lot# _____

APPLICANT INFORMATION:

Applicant Jennifer Amadeo

Address 101 Silver Spring Road
Wilton, CT

Telephone _____

Email jenamadeo@gmail.com

Agent (if applicable) LaurelRock

Address 969 Danbury Road
Wilton, CT 06897

Telephone 203-313-3935

Email emily.weckman@laurelrock.com

PROJECT INFORMATION:

Property Address 101 Silver Spring Road

Site Acreage 4.385 acres

Acres of altered Wetlands On-Site 0

Cu. Yds. of Material Excavated 40

Linear Feet of Watercourse 0

Cu. Yds. of Material to be Deposited 40

Linear Feet of Open Water 0

Acres of altered upland buffer .16 ac

Sq. Ft. of proposed and/or altered impervious coverage 2,106 sf

Sq. Ft. of disturbed land in regulated area 7,398 sf

APPLICATION REQUIREMENTS:

Is The Site Within a Public Water Supply Watershed Boundary? NO [ ] YES* [✓]

Is The Site Within 500 Feet of a Town Boundary? NO [ ] YES* [✓]

* If the answer is yes, then the applicant is responsible for notifying the appropriate water authority and/or adjoining community's Wetlands Department. Instructions for notification are available at the office of the commission.

Project Description and Purpose: Proposed reconfiguration of the existing driveway to include a exit loop, gate, and courtyard. Existing septic system to be modified to achieve vehicular rating and new infiltration system to be located between driveway loop to accept all new storm runoff.

In addition, the applicant shall provide nine (9) collated copies of the following information as well as an electronic submission via email to mike.conklin@wiltonct.org & elizabeth.larkin@wiltonct.org **

- ☑ A. Written consent from the owner authorizing the agent to act on his/her behalf
- ☑ B. A Location Map at a scale of 1" = 800'
- ☑ C. ***A Site Plan showing existing and proposed features at a scale not to exceed 1" = 40'***
- ☑ D. Sketch Plans depicting the alternatives considered
- ☑ E. Names and addresses of adjoining property owners
- ☑ F. A narrative describing, in detail
  - a. the proposed activity
  - b. the alternatives considered
  - c. impacts
  - d. proposed mitigation measures
- ☑ G. Soils Report prepared by a Certified Soil Scientist and Wetlands Map prepared by a Registered Land Surveyor
- ☑ H. Description of the chemical and physical characteristics of fill material to be used in the Regulated Area
- ☑ I. Description and maps detailing the watershed of the Regulated Area
- ☑ J. One original application and eight (8) copies

****Application materials shall be collated and copies of documents more than two pages in length shall be double sided.**

See Section 7 of the Wetlands and Watercourses Regulations of the Town of Wilton for a more detailed description of applications requirements.

The Applicant or his/her agent certifies that he is familiar with the information provided in this application and is aware of the penalties for obtaining a permit through deception, inaccurate or misleading information.

By signing this application, permission is hereby given to necessary and proper inspections of the subject property by the Commissioners and designated agents of the Commission or consultants to the Commission, at reasonable times, both before and after a final decision has been rendered.

Applicant's Signature:_____ _____ Date: 5/19/2022

Agent's Signature (if applicable): Emily E Weckman _____ Date: 5/19/2022

LAURELROCK
EXCEPTIONAL RESIDENTIAL LANDSCAPES

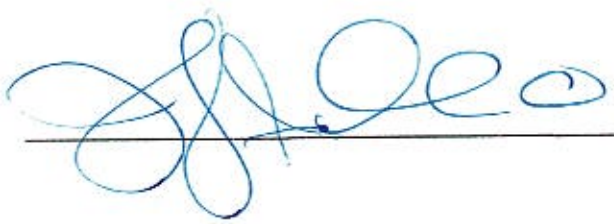
Agent Authorization Form

May 2, 2022

To Whom It May Concern:

I, Jennifer Amadeo, residing at 101 Silver Spring Road do hereby authorize LaurelRock, residing at 969 Danbury Road, Wilton, CT to act as my agent in securing an Intermediate Regulated Activity Application for 101 Silver Spring Road, Wilton, CT.

Thank You,



(Owner Name) 2 May 2022 Date

Jennifer Amadeo

jenamadeo@gmail.com

LAURELROCK
EXCEPTIONAL RESIDENTIAL LANDSCAPES

Project Narrative

May 19, 2022

To: Wilton Inland Wetland Commission

From:
Emily Weckman
LaurelRock
969 Danbury Road
Connecticut, CT 06897

RE: 101 Silver Spring Road, Wilton, CT Intermediate Activity Application

Dear Commission,

See below narrative that describes the proposed improvements associated with our Intermediate Activity Application.

The proposed design includes improvements to the existing driveway located at 101 Silver Spring Road. Improvements include an exit loop extension, courtyard space, stone retaining wall, automated vehicular entry gates, plantings, and associated drainage and septic improvements.

Like the existing driveway, the proposed exit extension will be finished as bituminous pavement. Meanwhile the courtyard will be finished with paver bands and decorative gravel. The improvements will provide safe vehicular circulation in and out of the property.

The septic improvements will upgrade the existing system to provide vehicular rated components where necessary. Existing drainage systems will also be updated to provide vehicle rated components where necessary. A new infiltration system will be located in between the vehicular loops to capture and treat additional run-off from the driveway extension.

Three existing trees and one dead tree are to be removed. We propose a cluster of three small flowering trees in the buffer. Lawn is proposed at the base of the wall and will transition into meadow to match the existing condition.

A portion of this work encroaches in the 100' Wetland Buffer; no work is proposed in the wetlands. Currently the area to be disturbed is maintained as meadow. The impacts of the proposed improvements are minimal as run off will be captured by the infiltration system. Earthwork within this area is less than 100 cuyds. Fill material in the buffer include topsoil, processed aggregate base and gravel. Silt fence will be installed at the construction limit line. While silt sacks will be installed at catch basins in Silver Spring Road.

If you should have any questions, do not hesitate to contact us.

Best Regards,

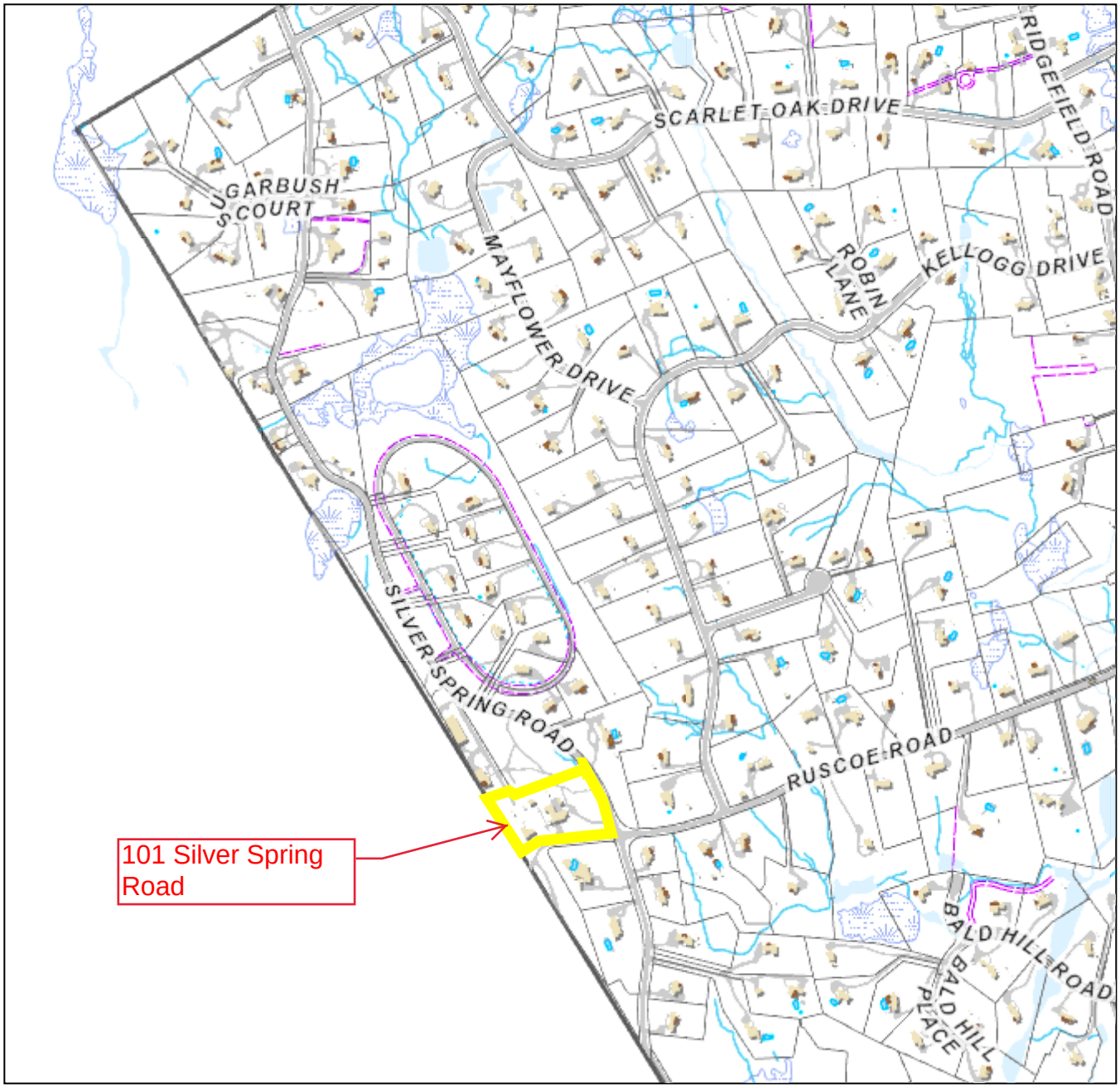
Emily E. Weckman

Emily Weckman
LaurelRock
emily.weckman@laurelrock.com
203-313-3935

Town of Wilton

Geographic Information System (GIS)

Date Printed: 4/25/2022



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 Wilton and its mapping contractors assume no legal responsibility for the information contained herein.

Zoning Effective: July 28, 2017

Planimetrics Updated: 2014

Approximate Scale: 1 inch = 800 feet

0 800 Feet

N W E S

N/F
JOHN & LORETTA S. BORTNER
SILVER SPRING ROAD
VOL. 2481, PG. 467 W.L.R.

N86°12'40"W

141.46'

N83°53'00"W

S85°05'00"W
8.46'

75.89'

S55°33'00"W
8.13'

89.25'

S24°24'15"W
8.42'

40'

BUILDING SETBACK LINE

STONE/MASONRY WALL

PLANTER

PLANTER

PLANTER

CONC. APRON

GATE

DEER FENCE

GENERATOR SHED

PVC
V=651.76

GATE

DEER FENCE

TD
GR=657.69

DRIVEWAY APRON

TD
GR=657.45

TRANSFORMER

CLEANOUT

ELEC

STONE/MASONRY WALL

SEPTIC GALLERY

SEPTIC GALLERY

BITUMINOUS

BENCHMARK
IRON PIN
ELEV = 647.29

DRIVEWAY

100' WETLAND BUFFER

174.8'

LIMIT OF WETLANDS

WF #1

WF #2

WF #3

WF #4

WF #9

WF #10

WF #11

WF #13

WF #14

ALTERNATE LAYOUT

- UNUSABLE TRAFFIC PATTERNS FOR DELIVERY AND SERVICE VEHICLES
- SIDE DRIVEWAY ACCESS IS UNUSABLE

CB
GR=642.05

CB
GR=642.15

CB
GR=640.00

CB
GR=640.20

CB
GR=637.03

CB
GR=643.64

N83°48'30"E
(radial)

SETBACK LINE

50'

STONE APRON

STONE/MASONRY WALL

S 06°11'30" E

L = 255.70'

R = 734.25'

GUY

POLE
EVERSOURCE
#1675

POLE
EVERSOURCE
#1676

12"RCP
INV=641.5

WF #16

WF #17

WF #18

WF #19

WF #20

WF #21

WF #22END

SPRING

SILVER

ALTERNATE DRIVEWAY
SKETCH

30 0 30 60

1" = 30'

LAURELROCK
EXCEPTIONAL RESIDENTIAL LANDSCAPES

Adjoining Property Owner

May 2, 2022

Rock Star Enterprises, Llc.
105 Silver Spring Road
Wilton, CT 06897

103 Silver Spring, Llc.
101 Silver Spring Road
Wilton, CT 06897

Peggy Vandervoort Kumble
99 Silver Spring Road
Wilton, CT 06897

Steven and Loretta Bortner
97 Silver Spring Road
Wilton, CT 06897

WILLIAM KENNY ASSOCIATES
LANDSCAPE ARCHITECTURE ▪ ECOLOGICAL SERVICES

November 2, 2021

Mr. Mark Sorosiak
The LaurelRock Company
969 Danbury Road
Wilton, CT 06897

Re: Wetland and Watercourse Delineation
101 Silver Spring Road, Wilton, Connecticut

Dear Mr. Sorosiak:

As requested, we investigated a portion of the referenced property and the property to the north to determine the presence or absence of wetlands and/or watercourses, to demarcate (flag) the boundaries of wetlands and watercourses identified, and to identify onsite soil types. This letter includes the methods and results of our investigation, which we completed today, November 2, 2021. In summary, one inland wetland and watercourse system was identified and delineated. The system, which is located in the eastern portions of the properties, is a woodland and shrubland wetland.

Regulatory Definitions

The Inland Wetlands and Watercourses Act (Connecticut General Statutes §22a-38) defines inland wetlands as "land, including submerged land...which consists of any soil types designated as poorly drained, very poorly drained, alluvial, and floodplain." Watercourses are defined in the act as "rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof." The Act defines Intermittent Watercourses as having a defined permanent channel and bank and the occurrence of two or more of the following characteristics: A) evidence of scour or deposits of recent alluvium or detritus, B) the presence of standing or flowing water for a duration longer than a particular storm incident, and C) the presence of hydrophytic vegetation.

Methodology

A second order soil survey in accordance with the principles and practices noted in the USDA publication *Soil Survey Manual* (1993) was completed at the subject site. The classification system of the National Cooperative Soil Survey was used in this investigation. Soil map units identified at the project site generally correspond to those included in the *Soil Survey of the State of Connecticut* (USDA 2005).

1899 Bronson Road
Fairfield CT 06824
203 366 0588
www.wkassociates.net

Wetland determinations were completed based on the presence of poorly drained, very poorly drained, alluvial, or floodplain soils. Soil types were identified by observation of soil morphology (soil texture, color, structure, etc.). To observe the morphology of the property's soils, test pits and/or borings (maximum depth of two feet) were completed at the site.

Intermittent watercourse determinations were made based on the presence of a defined permanent channel and bank and the occurrence of two or more of the following characteristics: A) evidence of scour or deposits of recent alluvium or detritus, B) the presence of standing or flowing water for a duration longer than a particular storm incident, and C) the presence of hydrophytic vegetation.

Wetland boundaries were demarcated (flagged) with pink surveyor's tape (hung from vegetation) or small flags (on wire stakes) labeled "William Kenny Associates" that are generally spaced a maximum of every 50 feet. Complete boundaries are located along the lines that connect these sequentially numbered flags. The wetland boundaries are subject to change until adopted by local, state, or federal regulatory agencies.

Results

The approximate 6.2-acre residential property is located at 101 Silver Spring Road in Wilton, Connecticut. Silver Spring Road borders the eastern property boundary. The investigation was limited to the area in the eastern portion of 101 Silver Spring Road and in the adjacent property to the north as shown on the attached map. Property improvements include a single-family residence, an in-ground pool and an asphalt driveway. The primary vegetative cover in the investigation area is a broadleaved deciduous woodland and a shrubland.

One inland wetland and watercourse system was identified and delineated. The system, which is located in the eastern portions of the properties, is a woodland and shrubland wetland. Wetland soils are primarily poorly drained and formed from glacial till deposits. The approximate location of the system is shown on the attached map. The boundary of the system was marked at the site with flags numbered 1 to 22.

Three soil map units were identified on the property (one wetland and two upland). Each map unit represents a specific area on the landscape and consists of one or more soils for which the unit is named. Other soils (inclusions that are generally too small to be delineated separately) may account for 10 to 15 percent of each map unit. The mapped units are identified in the following table by name and symbol and typical characteristics (parent material, drainage class, high water table, depth to bedrock, and slope). These characteristics are generally the primary characteristics to be considered in land use planning and management. A description of each characteristic and their land use implications follows the table. A complete description of each soil map unit can be found in the *Soil Survey of the State of Connecticut* (USDA 2005), and at *https://soilseries.sc.egov.usda.gov/osdname.aspx.* On the day of the review, the upland soil was moist and the wetland soil was moist to wet. The sky was partly cloudy and air temperatures were in the 60's º F.

Map Unit Sym.	Map Unit Name	Parent Material	Slope (%)	Drainage Class	High Water Table Depth (ft)	High Water Table Kind	High Water Table Mos.	Depth To Bedrock (in)
	Upland Soil							
45	*Woodbridge fine sandy loam*	*Compact Glacial Till*	*0-15*	*Moderately Well Drained*	*1.5-3.0*	*Perched*	*Nov-May*	*>60*
308	*Udorthents, Smoothed*	*Excavated or Filled Soil (>2 feet)*	*0-45*	*Well Drained to Somewhat Poorly Drained*	*1.5->6.0*	*Apparent*	*Nov-May*	*>60*
	Wetland Soil							
3	*Ridgebury*	*Compact Glacial Till*	*0-8*	*Poorly Drained*	*0.0-1.5*	*Perched*	*Nov-May*	*>60*
	Leicester	*Loose glacial Till*	*0-3*	*Poorly Drained*	*0.0-1.5*	*Apparent*	*Nov-May*	*>60*
	Whitman extremely stony fine sandy loam	*Compact Glacial Till*	*0-3*	*Very Poorly Drained*	*0.0-0.5*	*Perched*	*Sep-Jun*	*>60*

Parent material is the unconsolidated organic and mineral material in which soil forms. Soil inherits characteristics, such as mineralogy and texture, from its parent material. Glacial till is unsorted, nonstratified glacial drift consisting of clay, silt, sand, and boulders transported and deposited by glacial ice. Glacial outwash consists of gravel, sand, and silt, which are commonly stratified and deposited by glacial melt water. Alluvium is material such as sand, silt, or clay, deposited on land by streams. Organic deposits consist of decomposed plant and animal parts.

A soil's texture affects the ease of digging, filling, and compacting and the permeability of a soil. Generally sand and gravel soils, such as outwash soils, have higher permeability rates than most glacial till soils. Soil permeability affects the cost to design and construct subsurface sanitary disposal facilities and, if too slow or too fast, may preclude their use. Outwash soils are generally excellent sources of natural aggregates (sand and gravel) suitable for commercial use, such as construction sub base material. Organic layers in soils can cause movement of structural footings. Compacted glacial till layers make excavating more difficult and may preclude the use of subsurface sanitary disposal systems or increase their design and construction costs if fill material is required.

Generally, soils with steeper slopes increase construction costs, increase the potential for erosion and sedimentation impacts, and reduce the feasibility of locating subsurface sanitary disposal facilities.

Drainage class refers to the frequency and duration of periods of soil saturation or partial saturation during soil formation. Seven classes of natural drainage classes exist. They range from excessively drained, where water is removed from the soil very rapidly, to very poorly drained, where water is removed so slowly that free water remains at or near the soil surface during most of the growing season. Soil drainage affects the type and growth of plants found in an area. When landscaping or gardening, drainage class information can be used to assure that proposed plants are adapted to existing drainage conditions or that necessary alterations to drainage conditions (irrigation or drainage systems) are provided to assure plant survival.

High water table is the highest level of a saturated zone in the soil in most years. The water table can affect the timing of excavations; the ease of excavating, constructing, and grading; and the supporting capacity of the soil. Shallow water tables may preclude the use of subsurface sanitary disposal systems or increase design and construction costs if fill material is required.

The depth to bedrock refers to the depth to fixed rock. Bedrock depth affects the ease and cost of construction, such as digging, filling, compacting, and planting. Shallow depth bedrock may preclude the use of subsurface sanitary disposal systems or increase design and construction costs if fill material is required.

Conclusions

Today, we investigated a portion of the property at 101 Silver Spring Road in Wilton, Connecticut and identified and delineated one inland wetland and watercourse system. Thank you for the opportunity to assist you. If you should have any questions or comments, please do not hesitate to contact us.

Sincerely,

William L. Kenny, PWS, PLA
Soil Scientist

Alexander Wojtkowiak
Soil Scientist

Enclosure

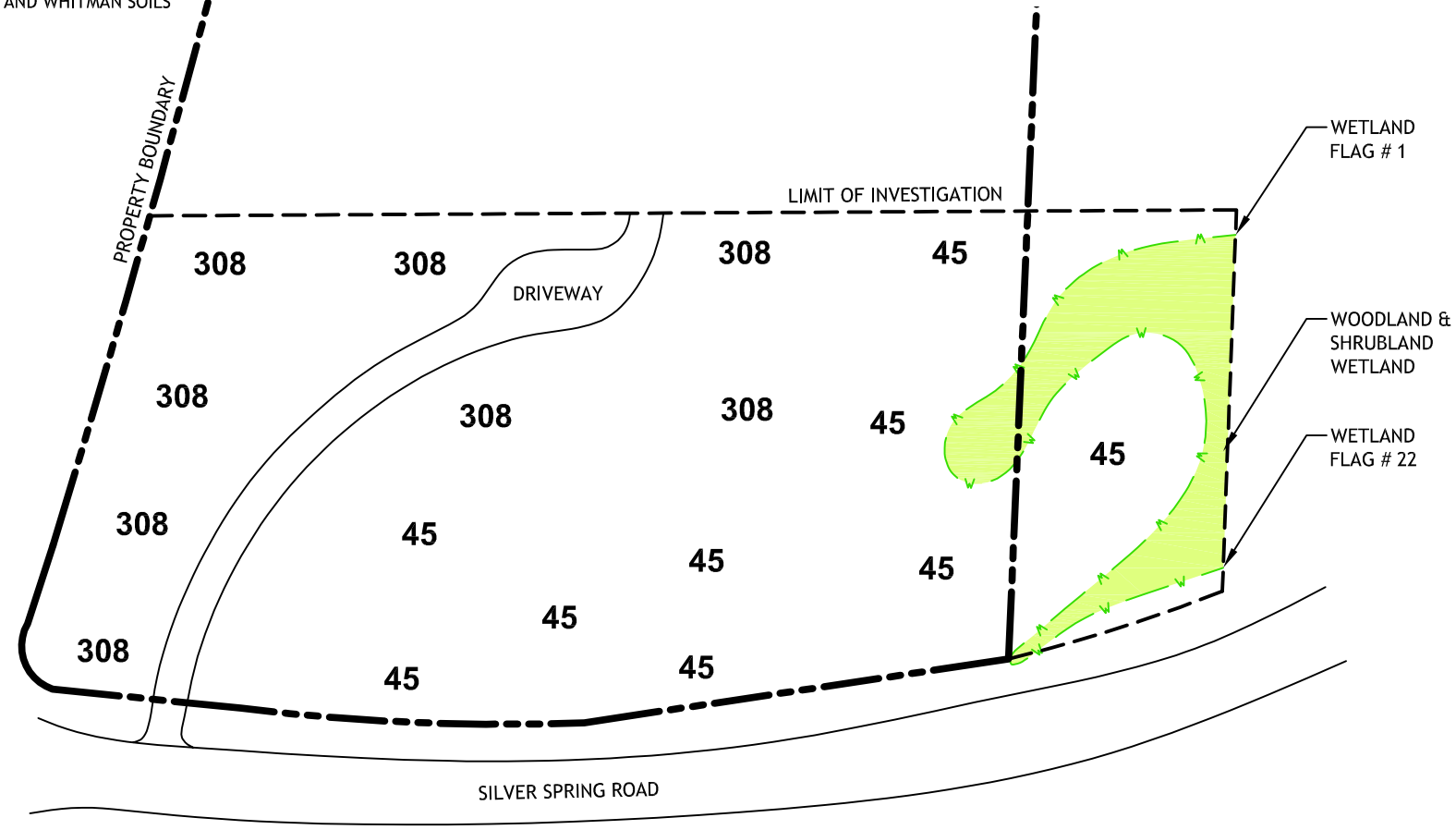
Ref. No. 4931

SOIL LEGEND

UPLAND
45 WOODBRIDGE FINE SANDY LOAM
308 UDORTHENTS, SMOOTHED

WETLAND
3 RIDGEBURY, LEICESTER AND WHITMAN SOILS

WILLIAM KENNY ASSOCIATES
LANDSCAPE ARCHITECTURE ▪ ECOLOGICAL SERVICES
1899 Bronson Road Fairfield CT 06824
203 366 0588 www.wkassociates.net



NOTES:
- *INFORMATION SHOWN ON THIS DRAWING, INCLUDING THE WETLAND BOUNDARY, IS APPROXIMATE. THE BOUNDARY IS NOT A SURVEYED REPRESENTATION OF WHAT WAS FIELD MARKED (FLAGGED).*
- *WETLAND AND SOIL INFORMATION PROVIDED BY WILLIAM KENNY ASSOC. OTHER INFORMATION TAKEN FROM A DRAWING PREPARED BY THE LAURELROCK COMPANY.*
- ***45, 308** AND **3** ARE SOIL MAPPING UNIT SYMBOLS. SEE WETLAND DELINEATION REPORT FOR THE SOIL MAP UNIT NAMES AND ADDITIONAL RELATED INFORMATION.*

I CERTIFY THAT THIS WETLAND MAP SUBSTANTIALLY REPRESENTS THE SOILS AND WETLANDS MAPPED IN THE FIELD

WILLIAM L. KENNY, SOIL SCIENTIST

WETLAND & WATERCOURSE MAP

101 SILVER SPRING ROAD
WILTON, CONNECTICUT

SCALE: NOT TO SCALE
DATE: NOVEMBER 2, 2021

Ref. No. 4931

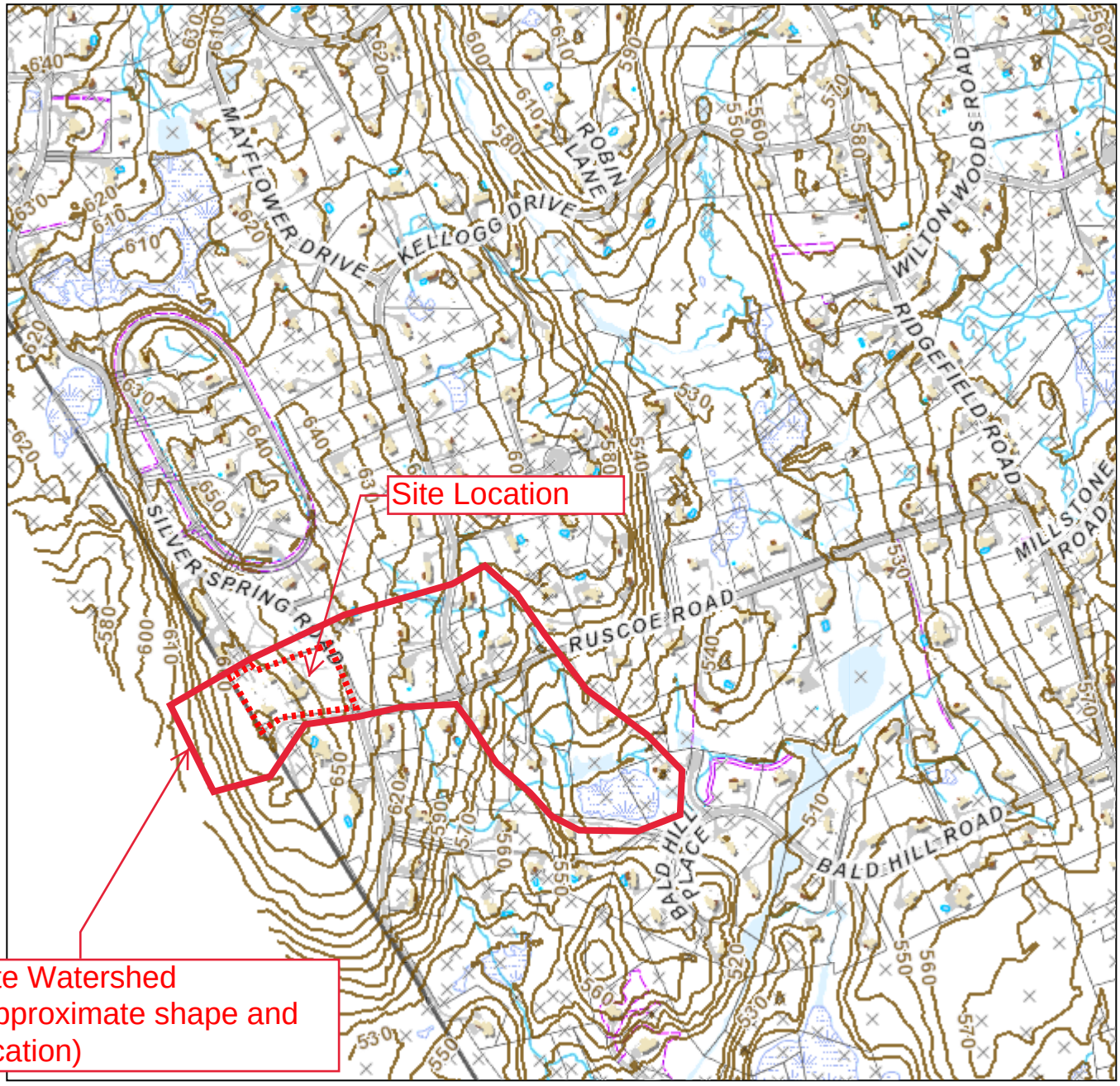
NORTH

Town of Wilton

Geographic Information System (GIS)

101 Silver Spring Road Watershed Diagram

Date Printed: 5/3/2022



MAP DISCLAIMER - NOTICE OF LIABILITY

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Zoning Effective: July 28, 2017

Planimetrics Updated: 2014

Approximate Scale: 1 inch = 800 feet

0 800 Feet

N W E S

Drainage Computations

for the Proposed Drive Expansion Improvements
at 101 Silver Spring Road; Wilton, CT

May 18, 2022

Prepared for Claude & Jennifer Amadeo

by Chappa Site Consulting, LLC

CLIENT: Claude & Jennifer Amadeo

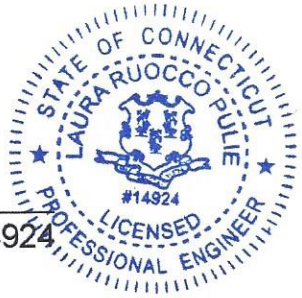
PROPERTY LOCATION: 101 Silver Spring Road; Wilton, CT

SOILS: The United States Department of Agriculture, Soil Conservation Service, Soil Survey of Fairfield County, Connecticut indicates that the onsite upland soil is Paxton, (PbC) very stony fine sandy loam. The onsite soil is considered a hydrological group "C" soil.

EXISTING CONDITIONS: The site presently contains a single family dwelling, detached garage/studio, media barn, pool and pool pavilion. There are also several sheds located throughout the parcel. A private paved drive provides access from Silver Spring Road. The existing structures are serviced by a private subsurface sewage disposal system and private well. The area to be developed is comprised of moderately sloping lawn.

PROPOSAL: The applicant is proposing to construct a front gravel courtyard with a paver border and add a paved exit loop extension. The proposed improvements have an approximate impervious area of 3,040 s.f..

DRAINAGE: 13 - 8' long x 1.0 high x 4' wide precast concrete galleries will be installed to collect the post developed stormwater runoff. The proposed stormwater system has been designed to accommodate the additional runoff produced during a 25 year storm. Furthermore in order to remove storm water pollutants and provide water quality treatment the drainage system has been sized to handle the first 1.0" of rainfall from the proposed impervious patio areas as recommended in the Connecticut Stormwater Quality Manual. The following pages contain the necessary drainage computations. Future development may require additional storm-water runoff retention/detention



Laura Ruocco Pulie, P.E. CT REG. NO. 14924

Chappa Site Consulting, LLC
55 Ridgeview Avenue; Trumbull, CT 06611

Client	*Address*	*Project #*
Claude & Jennifer Amadeo	101 Silver Spring Road; Wilton, CT	30371

1. Concrete Gallery & Stone Volume:

Nominal Gallery Dimension = 1.0' High x 4' Wide x 8' Long / Net Volume =18.7 c.f.*

Calculate 40% Trap Rock Void Ratio:
(2.0' wide x 1' high x 8' long) x 2 sides = 32 x 0.40 = 12.8 c.f.
Total Trap Rock Void Volume per 8' section = 12.8
Total Gallery & Trap Rock Void Volume per 8' section = 18.7 cf + 12.8 c.f. = **31.5 c.f.**

* Net Volume Taken from Hydrocad Software Program

2. Galleries Required for storage of first 1"of runoff:

A. New Impervious Area = **3,040 s.f.***

*(This is the area of the Proposed Impervious Drive Expansion)

B. Volume of runoff from 1" of rainfall

= 3,040 s.f. x (1/12) = 253.33 c.f. - **Use 254 c.f.**

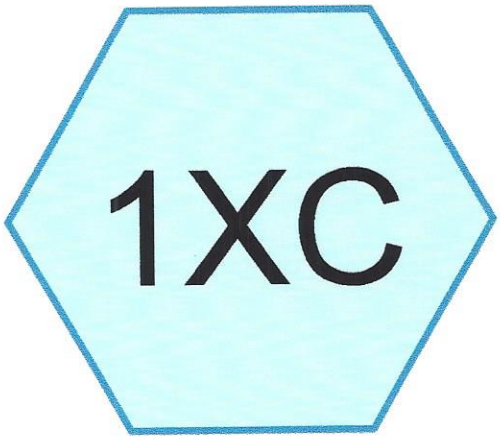
C. Volume Runoff/Gallery Capacity

254 ÷ 31.5 c.f. = **8.06 galleries**

Use 9 galleries or 72 l.f. of 1.0' H x 4' W Gallery

Conclusion:

9 - 1.0' high x 4' wide x 8' long precast concrete galleries will be more than sufficient to handle the first 1" of runoff from the proposed site development, however in order to accommodate the additional runoff produced during a 25 year storm event **13 - 1.0' high x 4' wide x 8' long precast concrete galleries have been proposed**.



PROPOSED IMPERVIOUS DRIVE EXPANSION AREAS AS LAWN

Subcat Reach Pond Link

Routing Diagram for c30371-XCONHYD
Prepared by CHAPPA SITE CONSULTING, LLC, Printed 5/17/2022

Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
3,040	74	>75% Grass cover, Good, HSG C (1XC)
3,040	**74**	**TOTAL AREA**

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1XC: PROPOSED IMPERVIOUS DRIVE EXPANSION Runoff Area=3,040 sf 0.00% Impervious Runoff Depth>3.52"
Flow Length=200' Slope=0.0800 '/' Tc=9.6 min CN=74 Runoff=0.25 cfs 891 cf

Total Runoff Area = 3,040 sf Runoff Volume = 891 cf Average Runoff Depth = 3.52"
100.00% Pervious = 3,040 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1XC: PROPOSED IMPERVIOUS DRIVE EXPANSION AREAS AS LAWN

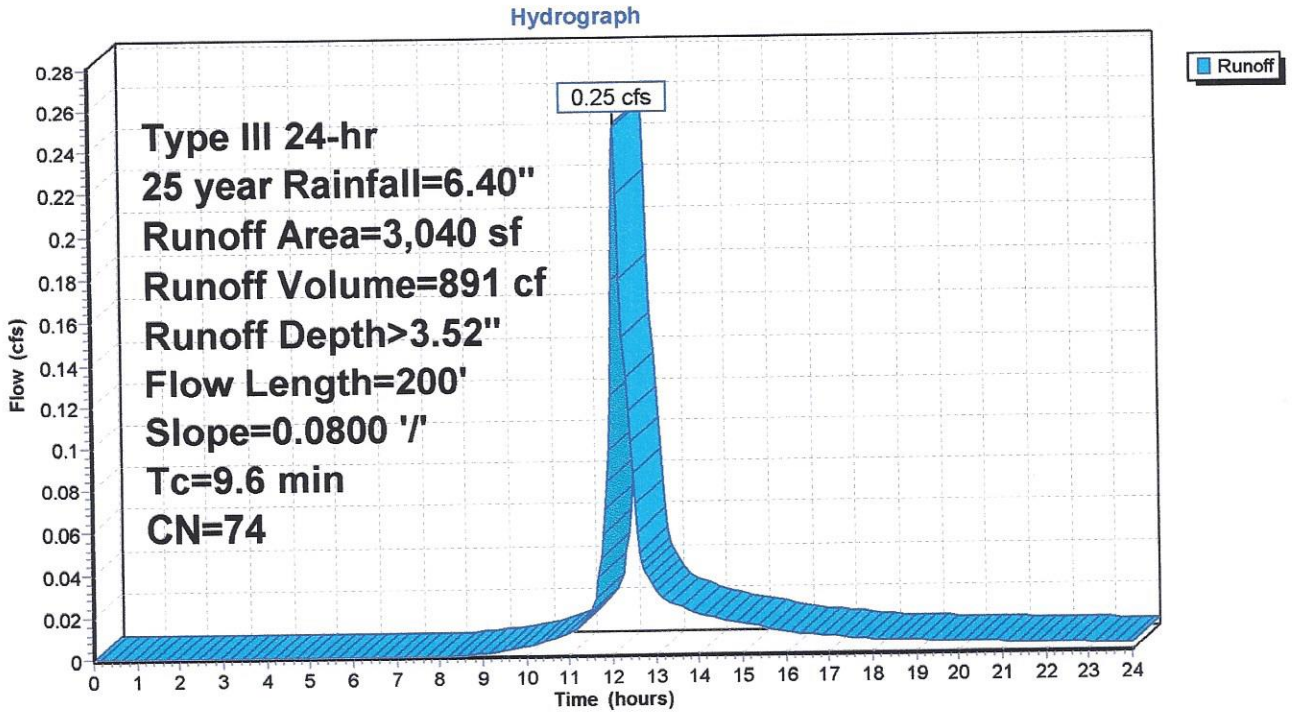
Runoff = 0.25 cfs @ 12.14 hrs, Volume= 891 cf, Depth> 3.52"

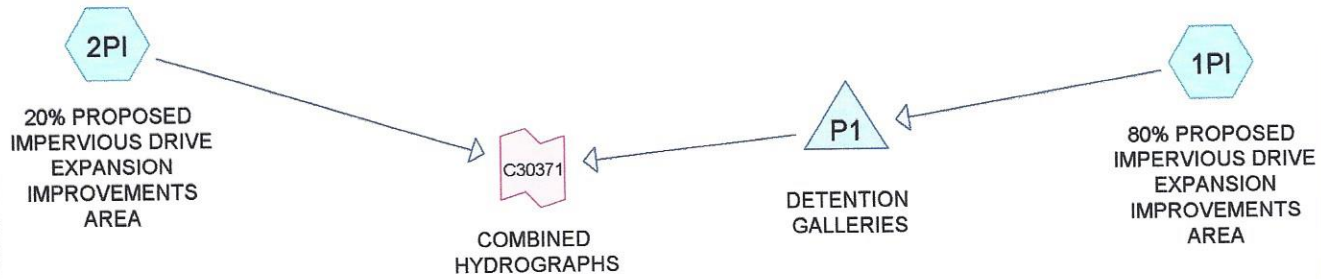
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 year Rainfall=6.40"

Area (sf)	CN	Description
3,040	74	>75% Grass cover, Good, HSG C
3,040		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.6	200	0.0800	0.35		**Sheet Flow, EXISTING LAWN** Grass: Short n= 0.150 P2= 3.30"

Subcatchment 1XC: PROPOSED IMPERVIOUS DRIVE EXPANSION AREAS AS LAWN





Subcat Reach Pond Link

Routing Diagram for c30371-PROPHYD
Prepared by CHAPPA SITE CONSULTING, LLC, Printed 5/17/2022
HydroCAD® 10.00-13 s/n 04134 © 2014 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
608	98	20% PROPOSED IMPERVIOUS DRIVE EXPANSION AREA (2PI)
2,432	98	80% PROPOSED DRIVE EXPANSION AREA (1PI)
3,040	**98**	**TOTAL AREA**

Time span=0.00-24.00 hrs, dt=0.05 hrs, 481 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1PI: 80% PROPOSED IMPERVIOUS DRIVE EXPANSION Runoff Area=2,432 sf 100.00% Impervious Runoff Depth>6.16"
Tc=3.0 min CN=98 Runoff=0.38 cfs 1,248 cf

Subcatchment 2PI: 20% PROPOSED IMPERVIOUS DRIVE EXPANSION Runoff Area=608 sf 100.00% Impervious Runoff Depth>6.16"
Tc=3.0 min CN=98 Runoff=0.09 cfs 312 cf

Pond P1: DETENTION GALLERIES Peak Elev=643.45' Storage=387 cf Inflow=0.38 cfs 1,248 cf
Outflow=0.04 cfs 1,248 cf

Link C30371: COMBINED HYDROGRAPHS Inflow=0.09 cfs 312 cf
Primary=0.09 cfs 312 cf

Total Runoff Area = 3,040 sf Runoff Volume = 1,561 cf Average Runoff Depth = 6.16"
0.00% Pervious = 0 sf 100.00% Impervious = 3,040 sf

Summary for Subcatchment 1PI: 80% PROPOSED IMPERVIOUS DRIVE EXPANSION IMPROVEMENTS AREA

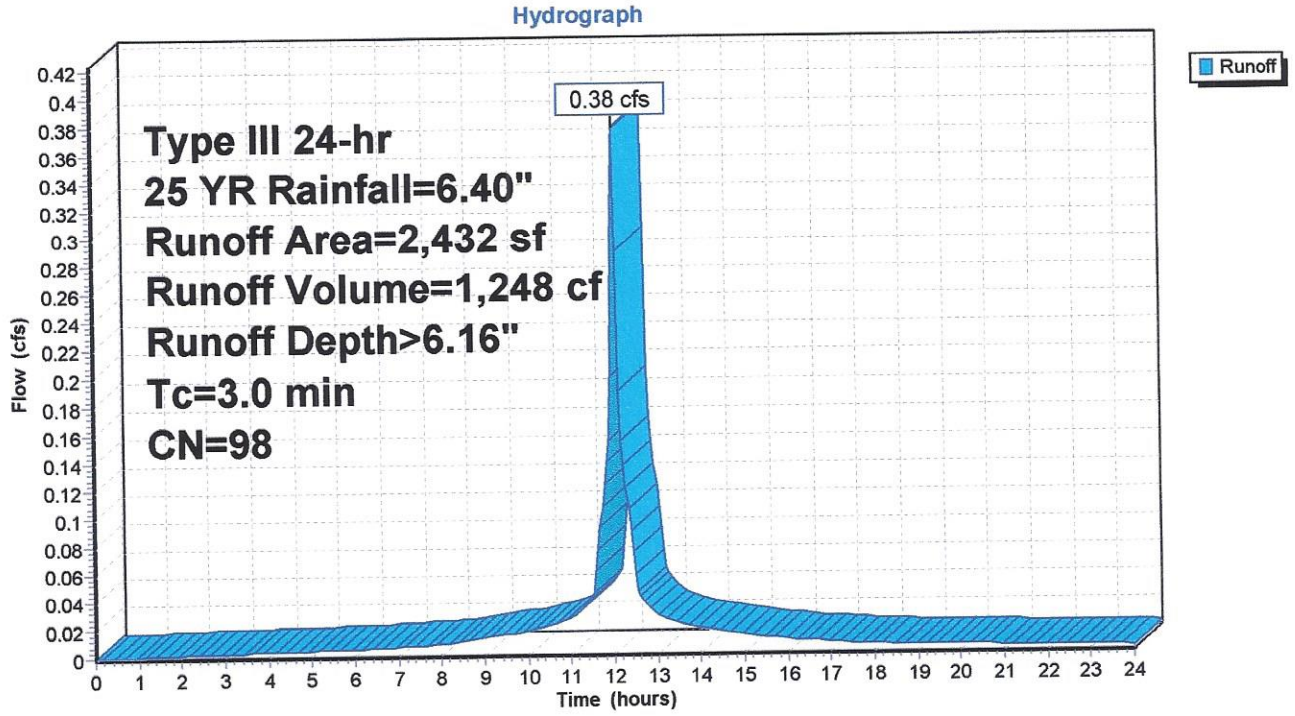
Runoff = 0.38 cfs @ 12.05 hrs, Volume= 1,248 cf, Depth> 6.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 YR Rainfall=6.40"

	Area (sf)	CN	Description
*	2,432	98	80% PROPOSED DRIVE EXPANSION AREA
	2,432		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry, PROP COND**

Subcatchment 1PI: 80% PROPOSED IMPERVIOUS DRIVE EXPANSION IMPROVEMENTS AREA



Summary for Subcatchment 2PI: 20% PROPOSED IMPERVIOUS DRIVE EXPANSION IMPROVEMENTS AREA

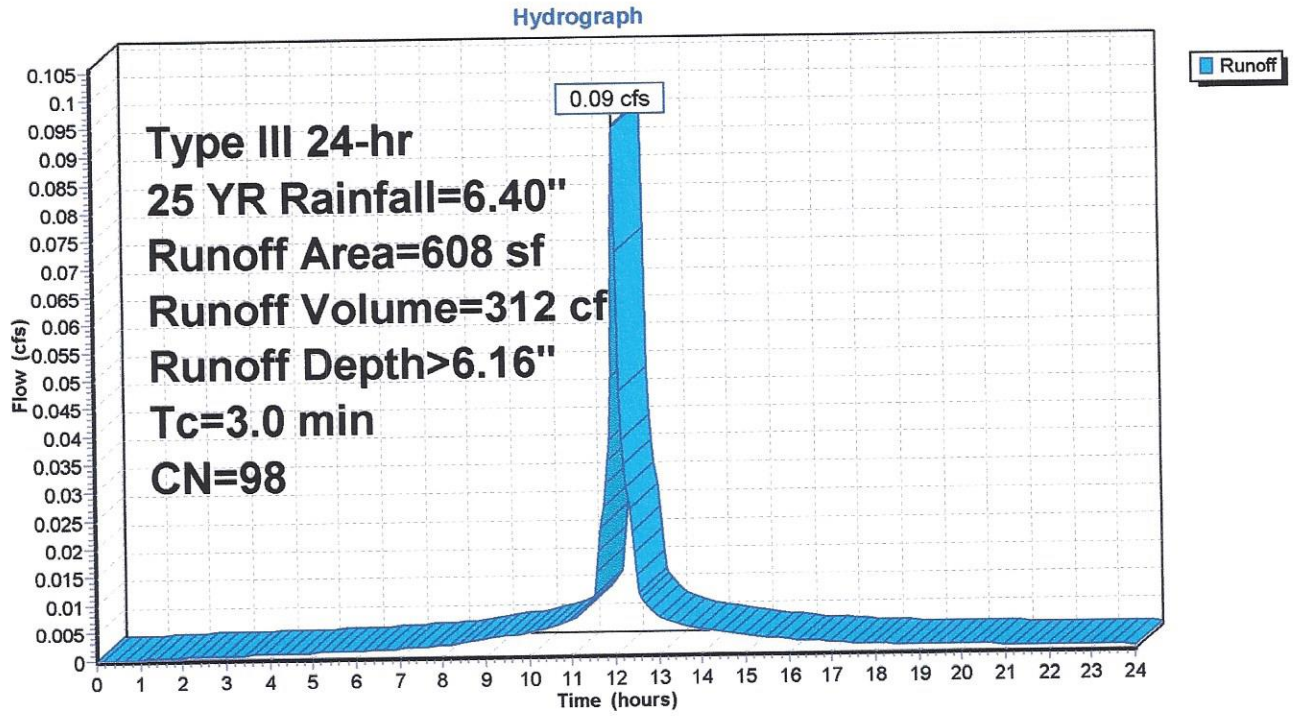
Runoff = 0.09 cfs @ 12.05 hrs, Volume= 312 cf, Depth> 6.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 25 YR Rainfall=6.40"

	Area (sf)	CN	Description
*	608	98	20% PROPOSED IMPERVIOUS DRIVE EXPANSION AREA
	608		100.00% Impervious Area

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

Subcatchment 2PI: 20% PROPOSED IMPERVIOUS DRIVE EXPANSION IMPROVEMENTS AREA



Summary for Pond P1: DETENTION GALLERIES

Inflow Area = 2,432 sf,100.00% Impervious, Inflow Depth > 6.16" for 25 YR event
Inflow = 0.38 cfs @ 12.05 hrs, Volume= 1,248 cf
Outflow = 0.04 cfs @ 12.59 hrs, Volume= 1,248 cf, Atten= 89%, Lag= 32.5 min
Discarded = 0.04 cfs @ 12.59 hrs, Volume= 1,248 cf

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 643.45' @ 12.59 hrs Surf.Area= 784 sf Storage= 387 cf

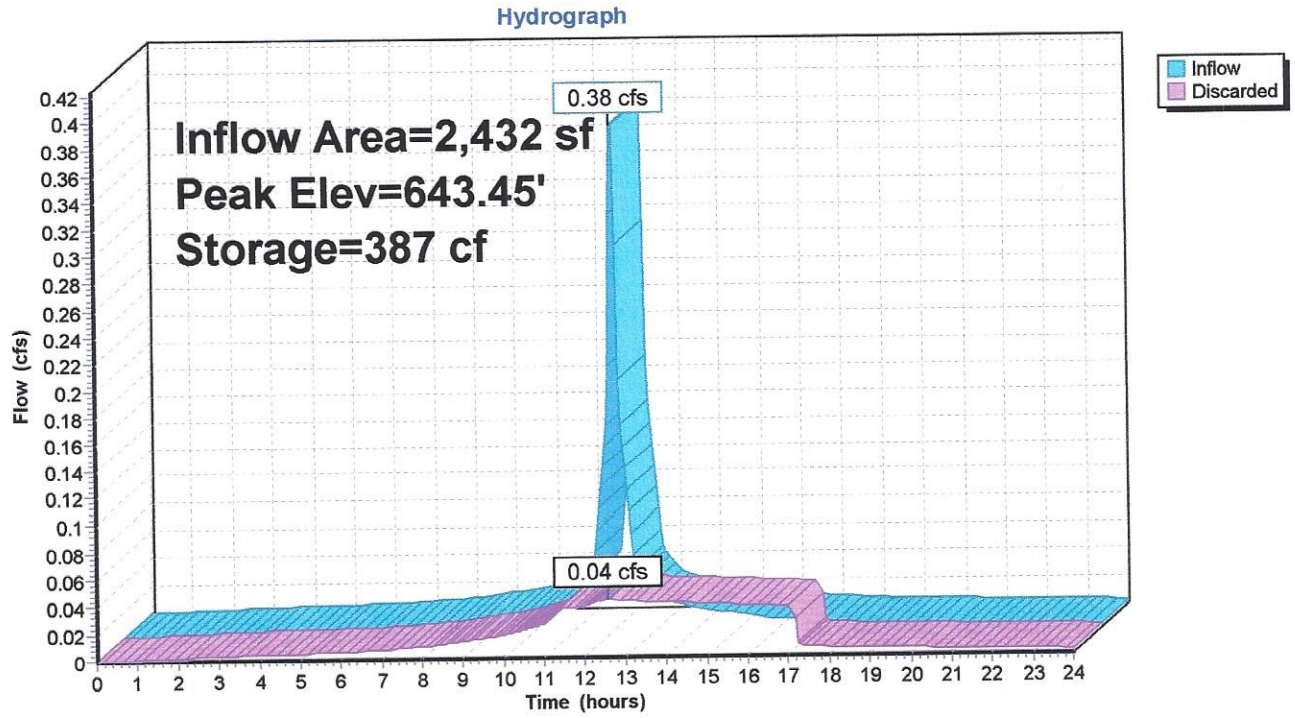
Plug-Flow detention time= 60.2 min calculated for 1,248 cf (100% of inflow)
Center-of-Mass det. time= 59.9 min (801.2 - 741.3)

Volume	Invert	Avail.Storage	Storage Description
#1	642.50'	152 cf	**14.00'W x 56.00'L x 1.00'H Prismatoid** 784 cf Overall - 404 cf Embedded = 380 cf x 40.0% Voids
#2	642.50'	243 cf	**Galley 4x8x1** x 13 Inside #1 Inside= 42.0"W x 9.0"H => 2.49 sf x 7.50'L = 18.7 cf Outside= 48.0"W x 12.0"H => 3.88 sf x 8.00'L = 31.0 cf 2 Rows of 6 Chambers
		395 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	642.50'	**2.000 in/hr Exfiltration over Wetted area**

Discarded OutFlow Max=0.04 cfs @ 12.59 hrs HW=643.45' (Free Discharge)
↑—**1=Exfiltration** (Exfiltration Controls 0.04 cfs)

Pond P1: DETENTION GALLERIES

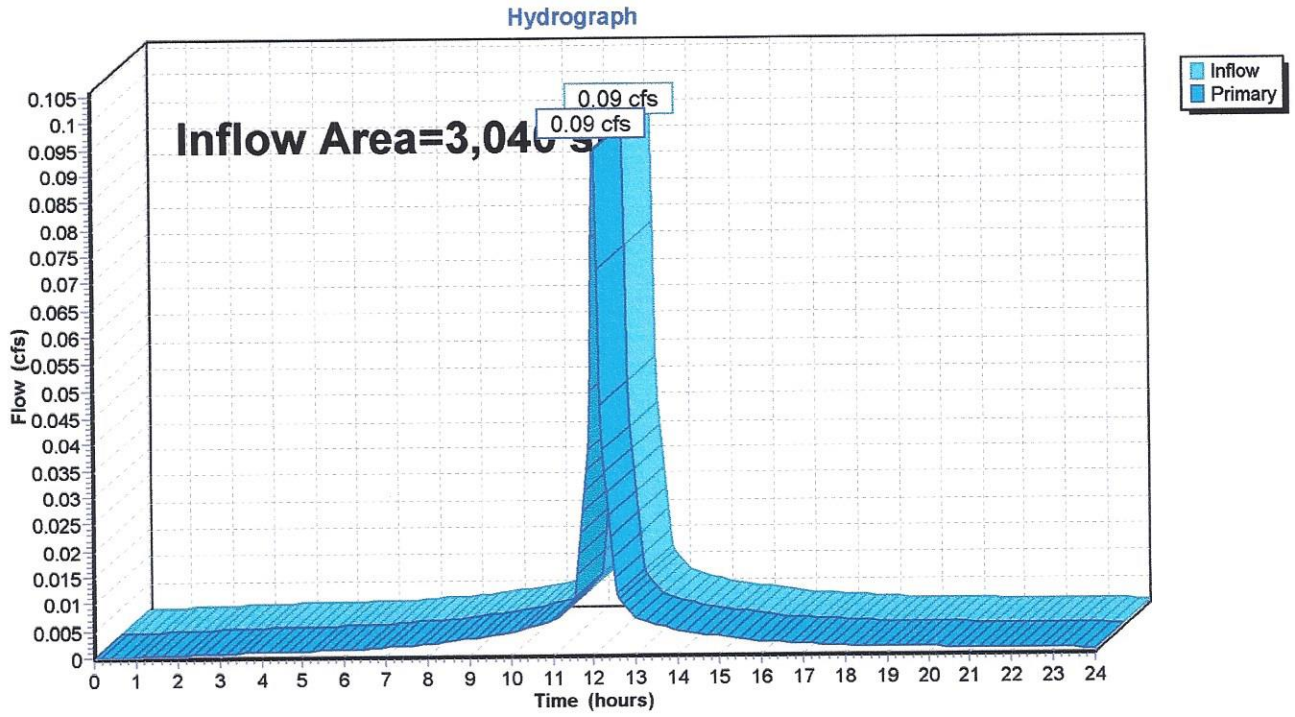


Summary for Link C30371: COMBINED HYDROGRAPHS

Inflow Area = 3,040 sf,100.00% Impervious, Inflow Depth > 1.23" for 25 YR event
Inflow = 0.09 cfs @ 12.05 hrs, Volume= 312 cf
Primary = 0.09 cfs @ 12.05 hrs, Volume= 312 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

Link C30371: COMBINED HYDROGRAPHS



From: Donald Ukers
To: Emily Weckman
Cc: Eleanor Militana; Anthony Franceschini; John Setias
Subject: RE: 101 Silver Spring Road
Date: Monday, May 23, 2022 11:03:32 AM

Good Morning Emily,
Thank you for sending over the plans. The District has reviewed the plans and does not have any questions,
Comments and does **not** have any issues with proposed project.

Thank you and have a nice day,

Don

Don Ukers, P.E.
Interim District Engineer
First Taxing District Water Department
12 New Canaan Avenue
Norwalk, Connecticut 06851
Office (203) 847-7387 Ext.7269
Cell (203) 505-9618

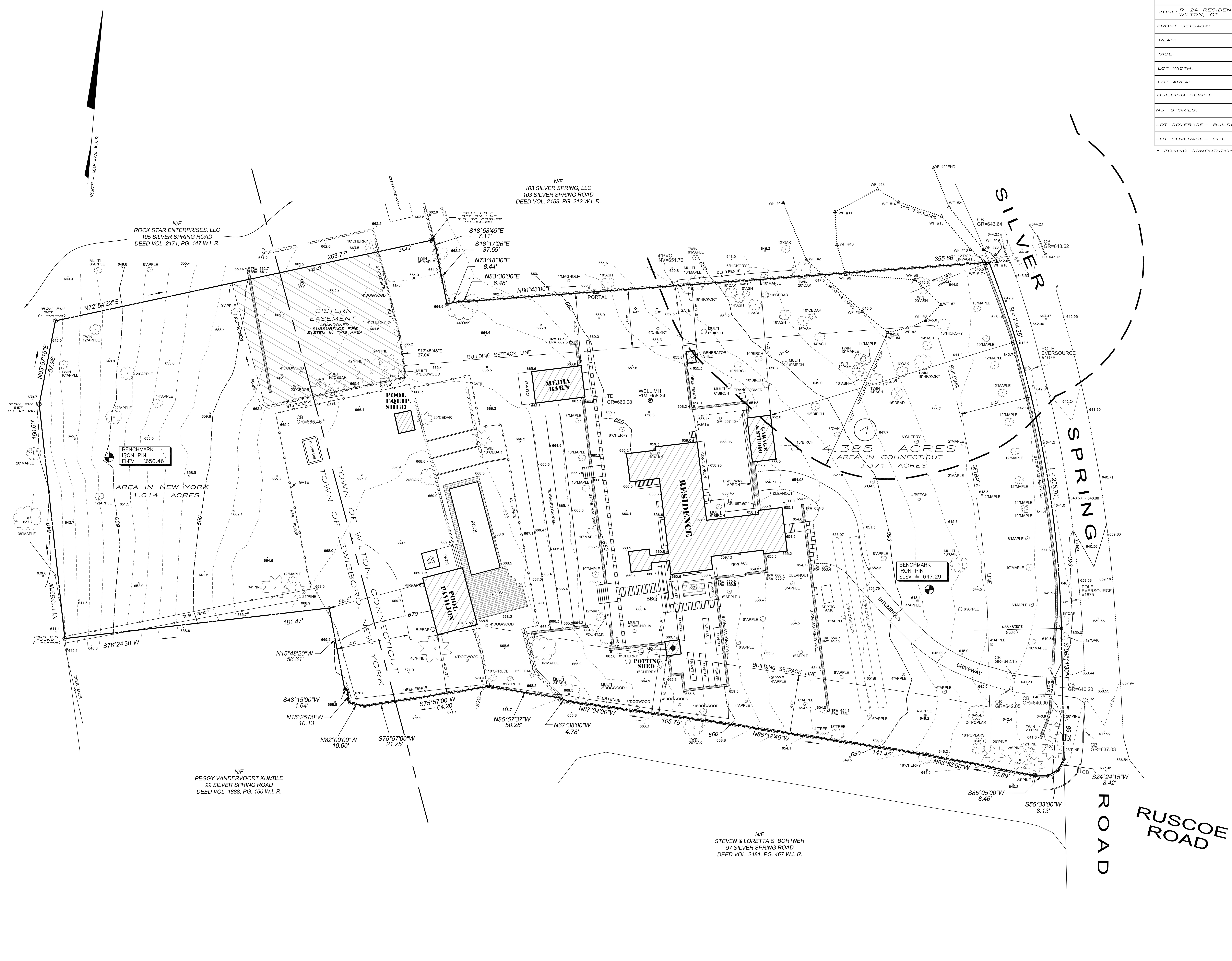
From: Emily Weckman <emily.weckman@laurelrock.com>
Sent: Friday, May 20, 2022 11:24 AM
To: Donald Ukers <DUkers@firstdistrictwater.org>
Cc: Eleanor Militana <EMilitana@firstdistrictwater.org>; Anthony Franceschini <AFranceschini@firstdistrictwater.org>
Subject: RE: 101 Silver Spring Road

HI Don,

See attached Survey, Landscape Plan, and Drainage/ Utility Plan for the proposed driveway extension at 101 Silver Spring Road.
Please let me know if PDF works or if you need a hard copy mailed out.

Thank You,

Emily Weckman
Landscape Architect
LAURELROCK
EXCEPTIONAL RESIDENTIAL LANDSCAPES
969 Danbury Road
Wilton, Connecticut 06897



ZONING INFORMATION

ITEM	REQUIRED/PERMITTED		EXISTING
ZONE: R—2A RESIDENCE WILTON, CT			
FRONT SETBACK:	50'	MIN.	174.8' (GARAGE & STUDIO)
REAR:	50'	MIN.	66.8' (POOL PAVILION)
SIDE:	40'	MIN.	40' (POTTING SHED)
LOT WIDTH:	200'	MIN.	262'+
LOT AREA:	87,120 S.F.	MIN.	191,040 S.F.
BUILDING HEIGHT:	35'	MAX.	29.1' (RESIDENCE) 21.6' (MEDIA BARN) 35.0' (OBSERVATORY DOME)
No. STORIES:	2.5	MAX.	2.5
LOT COVERAGE— BUILDING	7% = 13,372 S.F.	MAX.	8,669 S.F. = 4.5%
LOT COVERAGE— SITE	12% = 22,924 S.F.	MAX.	16,926 S.F. = 8.8%

* ZONING COMPUTATIONS BASED ON LOT AREA IN WILTON, CT ONLY

NOTES:

1. This survey has been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies and the Standards for Surveys and Maps in the State of Connecticut as adopted by the Connecticut Association of Land Surveyors, Inc. as a Property and Topographic Survey the Boundary Determination Category of which is a Resurvey conforming to Horizontal Accuracy Class A-2 and the locations and elevations of which conform to Topographic Accuracy Class T-2. It is intended to depict property boundaries, locations and elevations of improvements and topographic features.
2. Reference is hereby made to the following:
   Deed Vol. 1890, Pg. 155 Wilton Land Records (W.L.R.)
   Maps 4710 & 5663 W.L.R.
   Map 28306 Westchester County Land Records
3. Property Located in R-2A Residence Zone (Wilton, CT).
4. Property Located in R-4A Residence District (Lewisboro, NY).
5. Elevations depicted hereon are based on North American Vertical Datum of 1988 (NAVD88).
6. Reference is made to FEMA Flood Insurance Rate Map (FIRM) No. 09001C0376F, effective date 6/18/2010 and No. 36119C0205F, effective date 9/28/2007. Subject parcel does not lie within a Special Flood Hazard Area.
7. Wetlands depicted hereon were identified and flagged by William Kenny Associates on November 2, 2021 and located by Redniss & Mead in the field on December 28, 2021.

SURVEY CERTIFICATION:

I, Jorge P. Pereira, the surveyor who made this map do hereby certify that the field survey on which this map is based was completed on February 8, 2022 and that this map was completed on February 11, 2022. Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveyors adopted by the New York State Association of Professional Land Surveyors. Said certifications shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.

ON 2/11/2022 BY [signature]
JORGE P. PERIERA N.Y. REG. NO. 050780

Only title surveys bearing the makers embossed seal should be relied upon since other than embossed-seal copies may contain unauthorized and undetectable modifications, deletions, additions and changes.

A copy of this document without a proper application of the surveyor's embossed seal should be assumed to be an unauthorized copy.

PROPERTY & TOPOGRAPHIC SURVEY

DEPICTING

101 SILVER SPRING ROAD

WILTON, CONNECTICUT & LEWISBORO, NEW YORK

PREPARED FOR

CLAUDE K. & JENNIFER E. AMADEO

Scale: 1"=30' (0 — 30 — 60)

Drawn By: CJV | Checked By: JPP | Date: 2/11/2022

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

[signature]
JORGE P. PEREIRA CT. L.S. #70179
2/11/2022
DATE

This document and copies thereof are valid only if they bear the signature and embossed seal of the designated licensed professional. Unauthorized alterations render any declaration hereon null & void.

REDNISS & MEAD
LAND SURVEYING
CIVIL ENGINEERING
PLANNING & ZONING CONSULTING
PERMITTING
22 First Street | Stamford, CT 06905
Tel: 203.327.0500 | Fax: 203.357.1118
www.rednissmead.com

Sheet No: PSTS

Comm. No.: 8980RM—1

2/11/2022 11:17 AM H:\Jobfiles2\8000\8900\8980RM\DWG\8980 PSTS_2022.dwg

AMADEO RESIDENCE
Front Driveway
101 SILVER SPRING ROAD
WILTON, CONNECTICUT

LAURELROCK
EXCEPTIONAL RESIDENTIAL LANDSCAPES

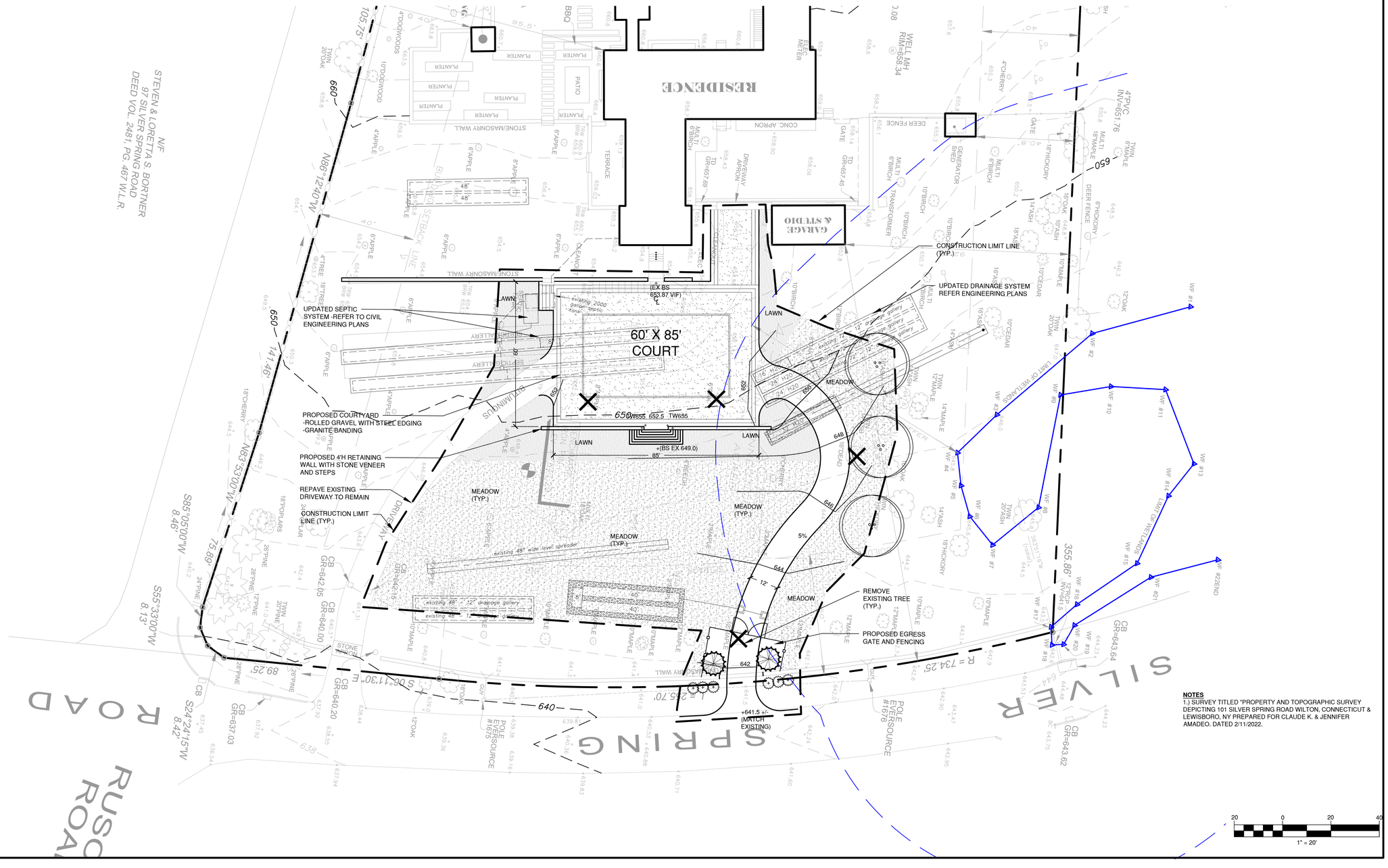
969 DANBURY ROAD
WILTON, CONNECTICUT

T 203 544 0062
F 203 544 0707

www.laurelrock.com

SURVEY
REDNISS AND MEAD
22 FIRST STREET
STAMFORD, CT 06905
T (203) 327-0500

DRAINAGE AND SEPTIC AS-BUILT
CHAPPA AND PAOLINI ENGINEERS, LLC.
3255 FAIRFIELD AVENUE
BRIDGEPORT, CT 06605
T (203) 576-1755



NOTES
1.) SURVEY TITLED "PROPERTY AND TOPOGRAPHIC SURVEY DEPICTING 101 SILVER SPRING ROAD WILTON, CONNECTICUT & LEWISBORO, NY PREPARED FOR CLAUDE K. & JENNIFER AMADEO. DATED 2/11/2022.

ISSUE	DATE	DESCRIPTION
1	5/19/2022	INLAND WETLAND SUBMISSION
2		
3		
4		
5		
6		
7		
8		
9		
10		

DATE:	MAY 19, 2022
DRAWN BY:	EW
REVIEWED BY:	MAS
SCALE:	1"=20'-0"

SEAL:

DRAWING TITLE:

DRIVEWAY CONCEPT PLAN

SHEET NO.:

L1.00

F:\CLIENTS\Amadeo\Drawings\2022_Amadeo_101 Silver Springs_drive\Amadeo_SitePlan.dwg May 19, 2022 - 10:47am

LEGEND

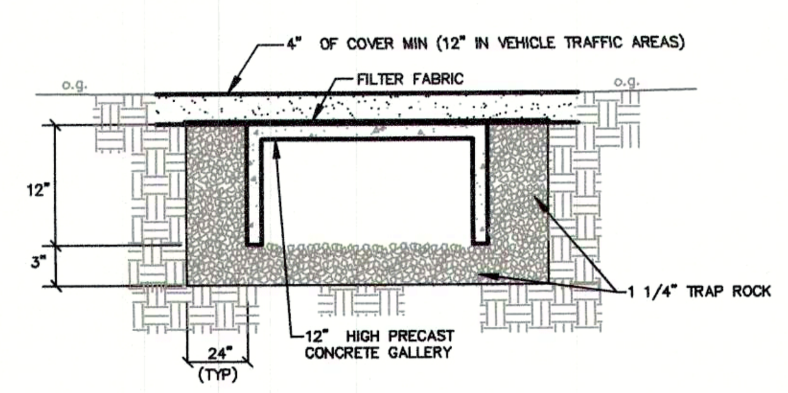
EXISTING		PROPOSED
162	CONTOURS	162
	PROPERTY LINE	
	WETLAND LINE	
	WATERCOURSE	
	STRUCTURE	
	STONE WALL	
	EDGE OF PAVEMENT	
4" pvc	SAN. OR STORM SEWER PIPE	4" PVC
	FILTER FABRIC FENCE	
	MUD TRACKING BED	
T.P. 1	TEST PIT	
P.H. 1	PERCOLATION TEST	
158.6±	SPOT ELEVATION	163.0

GENERAL CONSTRUCTION NOTES:

1. ALL SITE CONSTRUCTION SHALL CONFORM TO THE TOWN OF WILTON STANDARDS SPECIFICATION. IN THE ABSENCE OF THE TOWN OF WILTON STANDARDS, REFER TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 814A, 1995.
2. SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. INITIAL DETERMINATION OF UTILITY LOCATIONS SHALL INCLUDE BUT IS NOT LIMITED TO CONTACTING "CALL BEFORE YOU DIG". TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. SHOULD THE CONTRACTOR DETERMINE THAT A CONFLICT EXISTS, HE SHALL PROMPTLY NOTIFY THE ENGINEER WHO WILL MAKE THE NECESSARY DESIGN ADJUSTMENTS.
3. ALL UTILITIES SHALL BE PLACED UNDERGROUND AND SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE APPROPRIATE UTILITY COMPANY STANDARDS.
4. ALL PRECAST STORM-WATER GALLERIES AND YARD DRAIN BASINS SHALL SUPPORT H20 LOADING.
5. THERE ARE NO STORM WATER DRAINAGE SYSTEMS WITHIN 25' (50' DOWN GRADIENT) OF THE SEWAGE DISPOSAL SYSTEM ON ANY OF THE ADJACENT PROPERTIES.
6. THE CONTRACTOR/BUILDER SHALL BE RESPONSIBLE FOR DIRECTING THE PROPER VOLUME OF STORM WATER RUNOFF TO THE APPROPRIATE DRAINAGE DETENTION SYSTEM – SEE DRAINAGE COMPUTATIONS PREPARED BY CHAPPA SITE CONSULTING, LLC.
7. BASED ON THE INFORMATION AVAILABLE AT THE WILTON HEALTH DEPARTMENT, THERE ARE NO WELLS WITHIN 75' OF THE SEWAGE DISPOSAL SYSTEM ON ANY OF THE ADJACENT PROPERTIES.
8. BASED ON THE INFORMATION AVAILABLE AT THE WILTON HEALTH DEPARTMENT, THERE ARE NO SEWAGE DISPOSAL SYSTEMS WITH 25' OF THE SEWAGE DISPOSAL SYSTEM ON ANY OF THE ADJACENT PROPERTIES.
9. THERE ARE NO GEOTHERMAL SYSTEMS WITHIN 50' OF THE SEWAGE DISPOSAL SYSTEM ON ANY OF THE ADJACENT PROPERTIES.

SEDIMENTATION AND EROSION CONTROL NOTES:

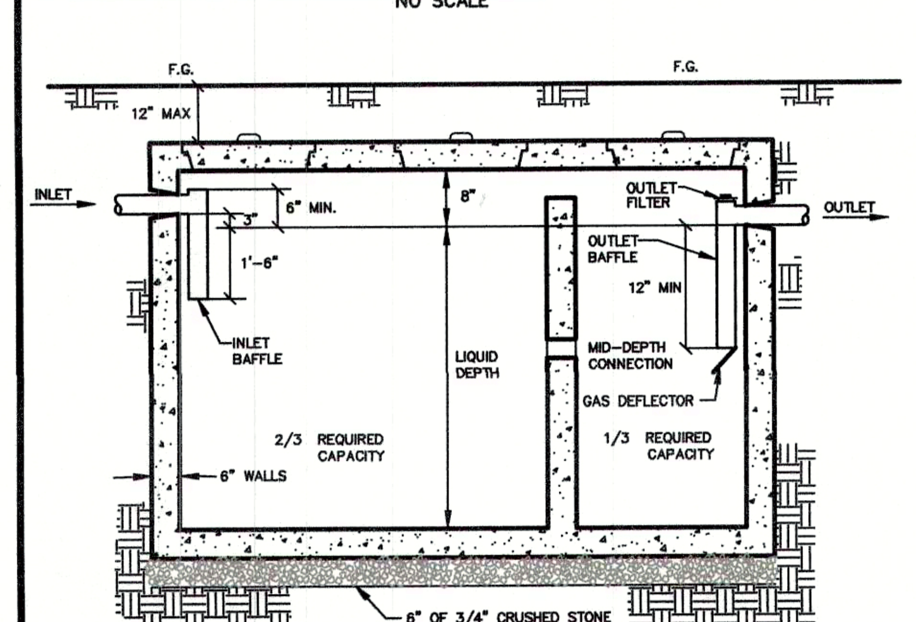
1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
2. ALL LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM; RESTABILIZATION SHALL BE SCHEDULED AS SOON AS PRACTICAL.
3. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
4. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
5. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
6. THE OWNER 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 WILTON CONSERVATION COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
7. ALL SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
8. FOR EROSION AND SILTATION CONTROL, FILTER FABRIC FENCE WILL BE INSTALLED AROUND ALL STOCKPILES OF FILL MATERIALS; OR AS DIRECTED BY THE WILTON CONSERVATION COMMISSION.
9. ONCE STOCKPILES ARE IN PLACE THEY SHALL BE SEEDED TO PREVENT EROSION.
10. THE CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAN AND CLEAR OF ALL MUD DURING CONSTRUCTION AND SHALL IMPLEMENT WHATEVER MEASURES DIRECTED BY THE TOWN OF WILTON. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE CONSTRUCTION OF MUD TRACKING BEDS 4" DEEP WHERE SHOWN ON PLAN OR DIRECTED BY THE TOWN OF WILTON.



* SHALL SUPPORT H20 LOADING

TYPICAL 12" HIGH PRECAST CONCRETE STORM WATER GALLERY

NO SCALE



TYPICAL SEPTIC TANK

NO SCALE

EXISTING UTILITY LOCATIONS ARE NOT GUARANTEED, CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG PRIOR TO ANY EXCAVATION.

TEST HOLE DATA

SOIL TEST RESULTS TAKEN FROM PLANS ON FILE AT THE WILTON HEALTH DEPARTMENT. CHAPPA SITE CONSULTING, LLC DID NOT WITNESS TEST RESULTS

DEEP TEST HOLES WERE PERFORMED BY HEALTH DEP. OF WILTON , ON MARCH 30, 2005.

TH 1
0–9" TOPSOIL
9–22" BROWN FINE SILTY/SANDY LOAM
22–66" GT FINE SAND COMP TILL

*BLEEDING AT 16"
*MOTTLES AT 21"
*ROOTS AT 22"
*RESTRICTIVE AT 22"

TH 2
0–10" TOPSOIL
10–21" YELLOW BROWN FINE SILTY LOAM
21–66" GT COMP SI TILL

*BLEEDING AT 17"
*MOTTLES AT 24"
*GW AT 38"
*ROOTS AT 36"
*RESTRICTIVE AT 24"

TH 8
0–13" TOPSOIL
13–24" O B SILTY LOAM
24–66" GT FINE SANDY COMP TILL

*BLEEDING AT 24"
*MOTTLES AT 22"
*GW AT 51"
*ROOTS AT 24"
*RESTRICTIVE AT 22"

DEEP TEST HOLES WERE PERFORMED BY PEAK ENGINEERS, LLC AND WITNESSED BY THE HEALTH DEPT ON JULY 25, 2006.

TH 12
0–8" TOPSOIL
8–23" RED BR FINE SANDY LOAM
23–66" GREY MOTTLED HP

*RL = 23"

TH 14
0–8" TOPSOIL
8–18" RED BR SILTY LOAM
18–72" MOTTLED HP

*WATER AT 50"
*RL = 18"

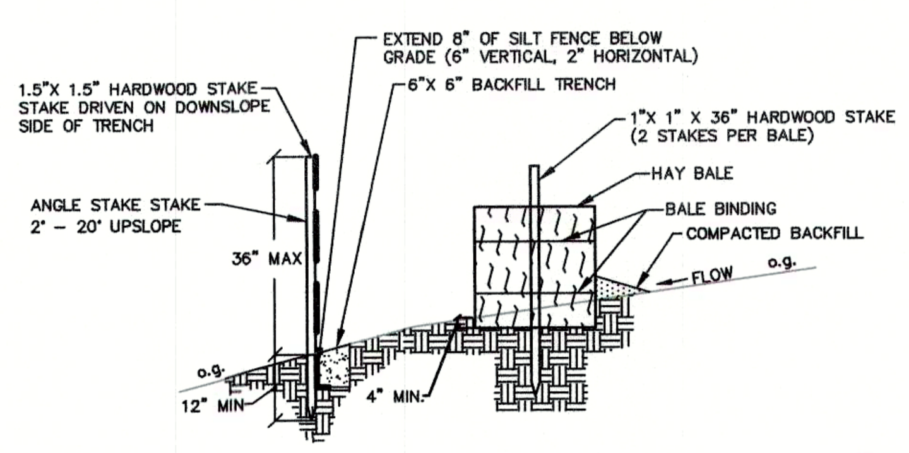
TH 16
0–13" TOPSOIL
13–22" YEL BR SILTY LOAM
22–72" MOTTLED HP

*MOTTLES AT 13"
*RL = 13"

PERCOLATION DATA

PERCOLATION TESTS PERFORMED BY PEAK ENGINEERS, LLC

	PH 1	PH 2	PH 4
DEPTH	16"	18"	20"
RATE	1"/14.0	1"/14.0	1"/26.7
DATE	6-29-05	6-29-05	7-26-06

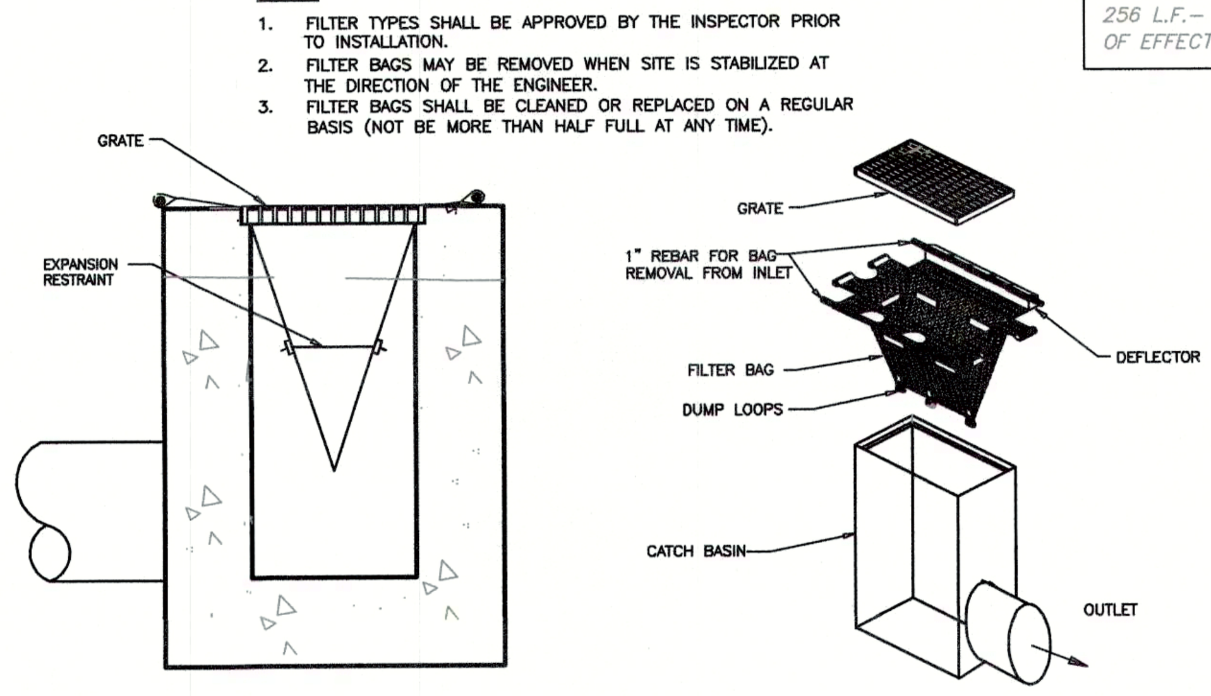


TYPICAL SILT FENCE / HAY BALE

NO SCALE

NOTES

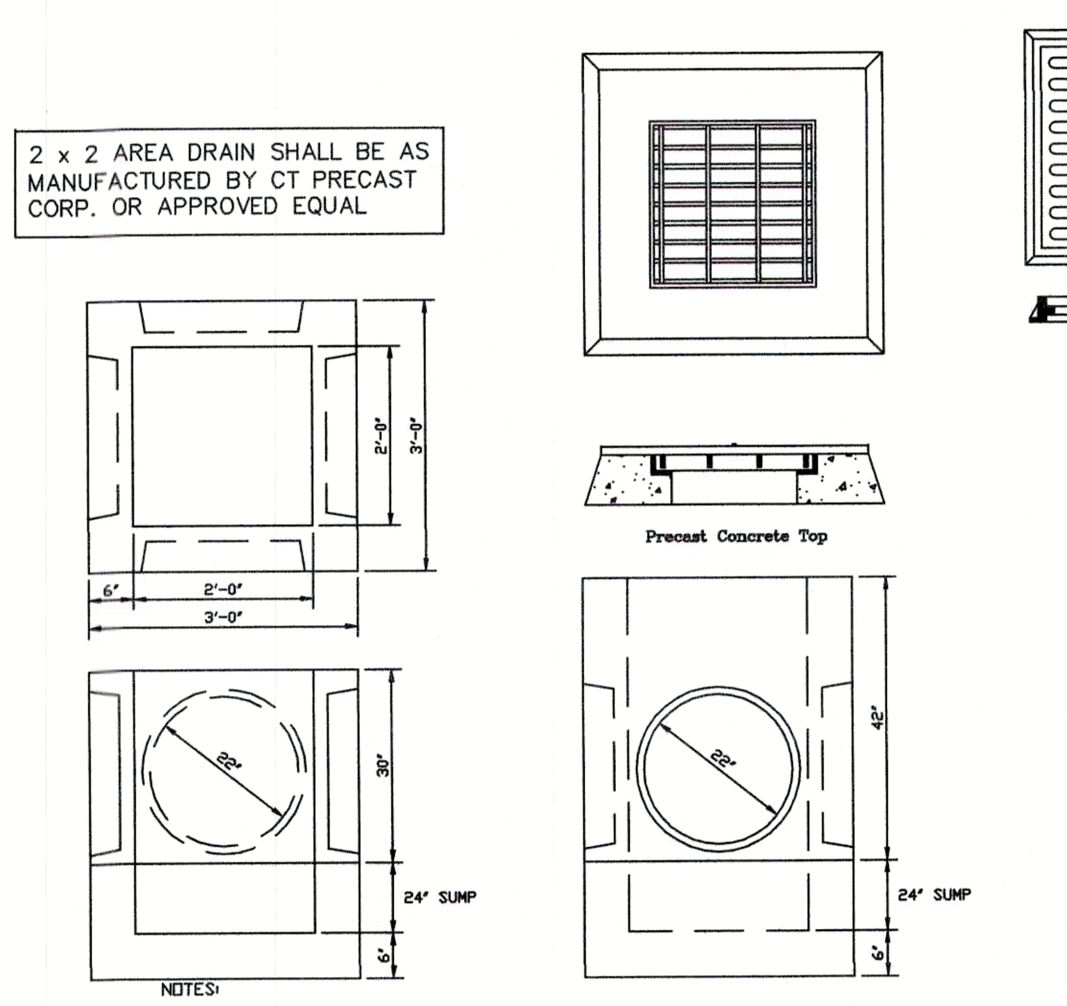
1. FILTER TYPES SHALL BE APPROVED BY THE INSPECTOR PRIOR TO INSTALLATION.
2. FILTER BAGS MAY BE REMOVED WHEN SITE IS STABILIZED AT THE DIRECTION OF THE ENGINEER.
3. FILTER BAGS SHALL BE CLEANED OR REPLACED ON A REGULAR BASIS (NOT BE MORE THAN HALF FULL AT ANY TIME).



TYPICAL SILT SACK DETAIL

NO SCALE

2 x 2 AREA DRAIN SHALL BE AS MANUFACTURED BY CT PRECAST CORP. OR APPROVED EQUAL

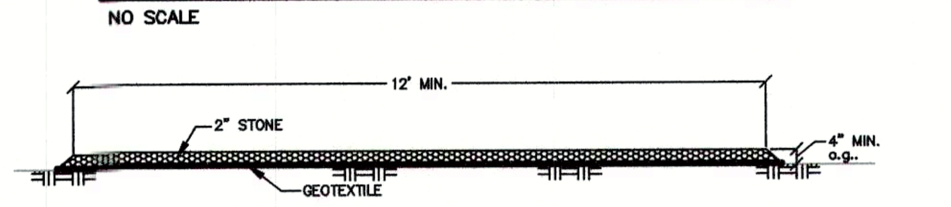


NOTES:

1. Reinforced 6 x 6 x 10 gauge mesh or to specifications.
2. Grate – Steel or Cast Iron.
3. 4000 psi
4. Design Loading: AASHTO HS-20.

2 x 2 PRECAST CONC AREA DRAIN & CAST IRON GRATE DETAIL

NO SCALE

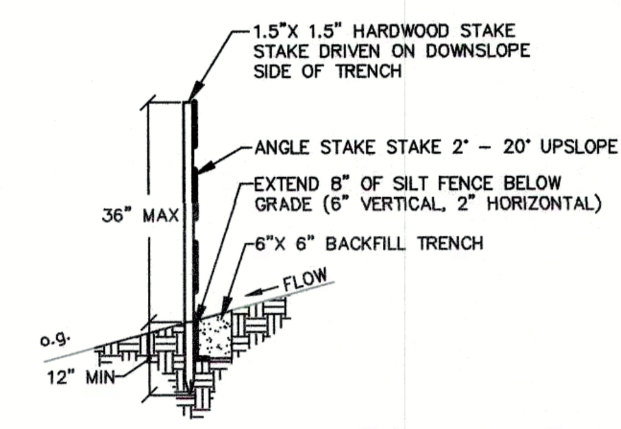


TYPICAL MUD TRACKING BED

NO SCALE

SEWAGE DISPOSAL SYSTEM NOTES:

1. THE PROPOSED SEWAGE DISPOSAL SYSTEM SHALL CONFORM TO SECTIONS 19-13-B103A TO 19-13-B103F OF THE CONNECTICUT STATE HEALTH CODE.
2. THE EXISTING DWELLING IS SERVICED BY PRIVATE WATER SUPPLY.
3. THE PROPOSED 2000 GALLON SEPTIC TANK SHALL BE A TWO COMPARTMENT TANK EQUIPPED WITH AN OUTLET FILTER. THE TANK SHALL BE WATERTIGHT SUPPORT H20 LOADING AND BE SO CERTIFIED BY THE MANUFACTURER. THE SEPTIC TANK SHALL BE AS MANUFACTURED BY CONNECTICUT PRECAST CORP. (CATALOG HD2000) OR APPROVED EQUAL.
4. THE PROPOSED SOIL LINE SHALL BE 4" SCHEDULE 40 PVC PIPE (ASTM-D-1785) WITH RUBBER GASKET JOINTS. SOIL LINE SHALL BE SET AT A MINIMUM SLOPE OF 1/4"/FT.
5. TO PREVENT LEAKAGE, THE CONTRACTOR SHALL MORTAR ALL INLET AND OUTLET PIPES FROM THE SEPTIC TANK AND DISTRIBUTION BOXES.
6. ALL SOLID EFFLUENT DISTRIBUTION PIPES SHALL BE 4" PVC PLASTIC PIPE (ASTM D3034) SDR-35 WITH RUBBER GASKET, BELL AND SPIGOT.
7. ONCE THE SEWAGE DISPOSAL SYSTEM HAS BEEN INSTALLED ALL DISTURBED AREAS SHALL BE TOPSOILED, FINE RAKED AND SEEDED.
8. EXISTING CONDITIONS INFORMATION TAKEN FROM A MAP PREPARED FOR CLAUDE K. & JENNIFER E. AMADEO, BY REDINESS & MEAD; STAMFORD, CT. DATED: FEBRUARY 11, 2022.
9. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.



TYPICAL SILT FENCE

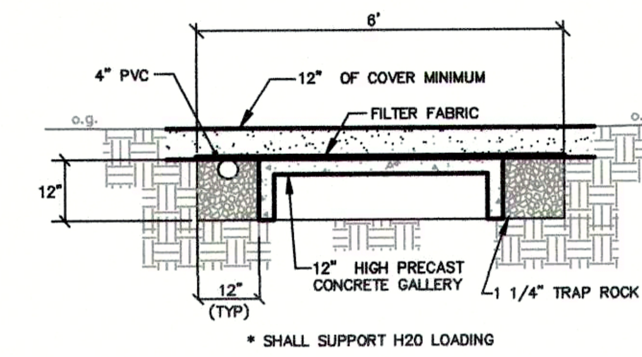
NO SCALE

Existing 6 Bedroom Sewage Disposal System

NUMBER OF BEDROOMS = 6
WATER SUPPLY = PRIVATE WELL
PERCOLATION RATE = 1" IN 20 MINUTES
REQUIRED LEACHING AREA = 1,012.5 S.F.

EXISTING LEACHING SYSTEM:

256 L.F.– 12" HIGH CONC. GALLERY = 1,510.4 S.F OF EFFECTIVE LEACHING AREA.

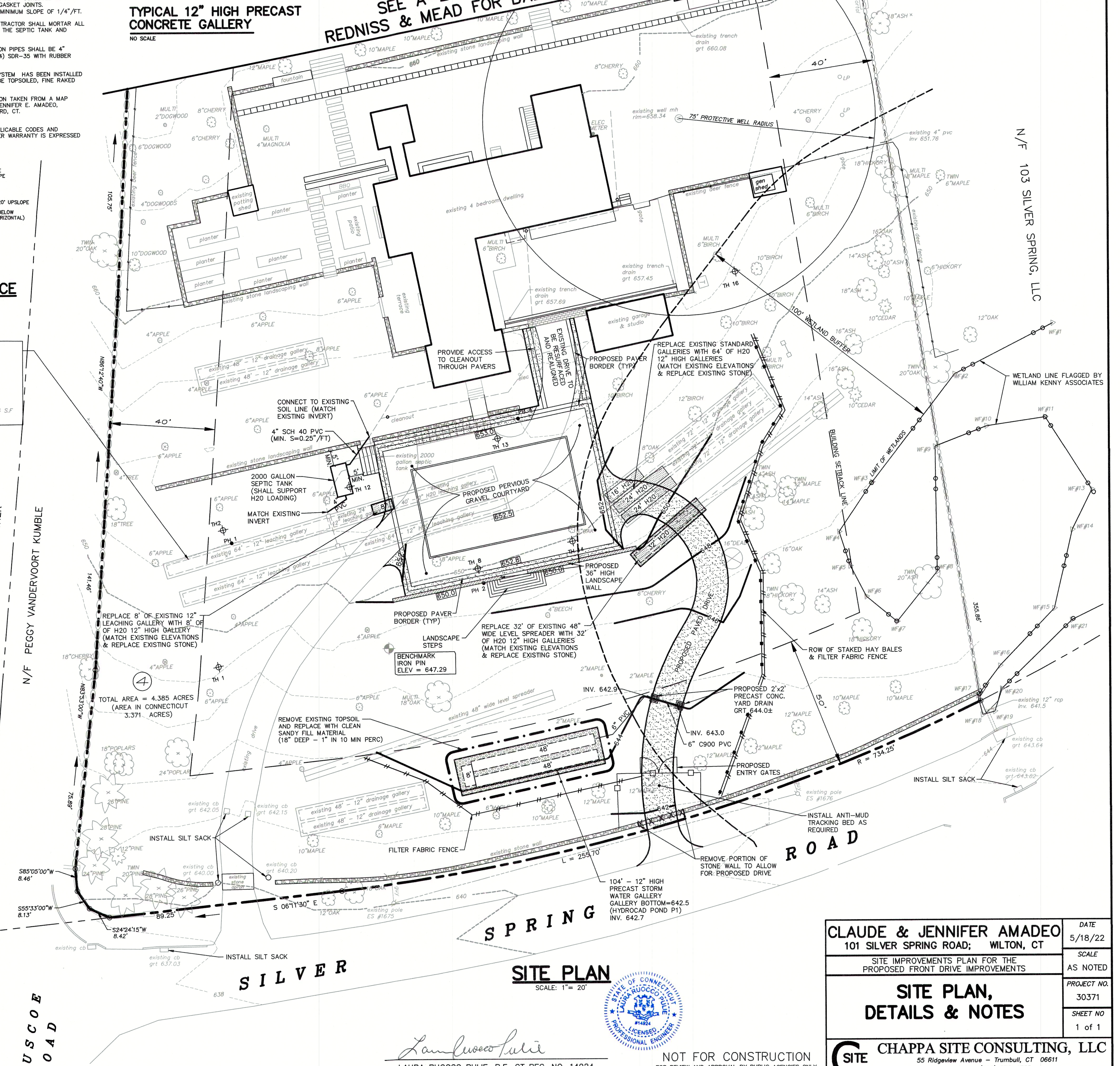


* SHALL SUPPORT H20 LOADING

TYPICAL 12" HIGH PRECAST CONCRETE GALLERY

NO SCALE

THE EXISTING SEPTIC TANK SHALL BE PUMPED OUT, CRUSHED, PROPERLY BACKFILLED, COMPACTED & ABANDONED.



SITE PLAN

SCALE: 1"= 20'

LAURA RUOCCO PULIE, P.E. CT REG. NO. 14924

STATE OF CONNECTICUT LAURA RUOCCO PULIE #14924 LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION
FOR REVIEW AND APPROVAL BY PUBLIC AGENCIES ONLY

CLAUDE & JENNIFER AMADEO
101 SILVER SPRING ROAD; WILTON, CT

SITE IMPROVEMENTS PLAN FOR THE PROPOSED FRONT DRIVE IMPROVEMENTS

SITE PLAN, DETAILS & NOTES

DATE	5/18/22
SCALE	AS NOTED
PROJECT NO.	30371
SHEET NO	1 of 1

CHAPPA SITE CONSULTING, LLC
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