### MARK J. CAPECELATRO, LLC

#### ATTORNEY & COUNSELOR AT LAW 117 MAIN STREET

### P.O. BOX 1045

TELEPHONE: 860-824-5146

CANAAN, CONNECTICUT 06018-1045 860-824-9869

FACSIMILE:

EMAIL: mark@capecelatro.com

August 10, 2023

Larry Burcroff, Chairman Town of Salisbury Inland Wetlands Watercourses Commission PO Box 548 Salisbury, Ct 06068

> RE: 79 Old CNE Road, Lakeville, CT A Slice of LLC - Regulated Activity Permit Application

Dear Larry:

We are submitting the following documents in quadruplicate original and electronically with regard to the Regulated Activity Permit Application for the above property:

- 1. Application for Regulated Activity.
- 2. My check in the amount of \$360.00 representing payment of the Application fee.
- 3. Letter of Authorization.
- 4. Torrington Area Health District Approval of the new septic system.
- 5. Complete Architectural plans from Susan T. Rodriguez, architect.

Ms. Rodriguez' office will be submitting their plans electronically this morning and Pat Hackett will be doing the same with his plans and will hand deliver 4 paper copies of such plans.

Please place the Application on the agenda for Monday's meeting.

Sincerely, Mark J. Sapecelatro

cc: Alice Gottesman



TOWN OF SALISBURY CONNECTICUT

> P.O. Box 548 Salisbury. Connecticut 06068

# Conservation Commission

Town of Salisbury, Conservation Commission, Application for Regulated Activity Permit

Applicants name: A Slice of LLC 1)

Applicants home address: 118 West 79th Street, Apt.# 15AB, New York, NY 2) Applicants business address: Same 3) Business Phone #: Same Applicants Home Phone #: 917-544-7998 4) Owner of property: Name: ////Same as Applicant 11 5) Address: Phone #: Signature of property owner consenting to this application: Applicants interest in the land: 6)

# Owner

Geographical location of property: 79 Old CNE Road, Lakeville, Ct. 06039 7)

Description of the land: Single family residence on 3.53 acres of land Computation of wetland area or watercourse disturbance: No Disturbance of wetland area or watercourse

- Purpose and description of the proposed activity: Planting of a vegetative buffer in 8) connection with the demolition and rebuilding of a single family residence. Vegetative buffer planting within 75 feet of lake .No construction inside 75'
- Alternatives considered by applicant: 9)

11)

Not planting vegetative buffer.

Why this proposal to alter wetlands was chosen:

N/A Site plan showing existing and proposed conditions in relation to wetlands and watercourses: 10)

(Attach map and plans to application)

See attached paper map and plans and submitted electronic copies. Names and addresses of adjacent property owners:

North: Canterbury Lane Owners' Association South: Colaric, William & Stephanie East: Lake Wononscopomuc West: Kiel, Charles & Angeliki

# Date \$19123

Larry Burcroff, Chairman Town of Salisbury Inland Wetlands & Watercourses Commission PO Box 548 Salisbury, Ct 06068 Dr. Michael Klemens Chairman of Salisbury Planning and Zoning **PO Box 548** Salisbury, Ct 06068

# RE: Property of A Slice of LLC Address: 79 Old CNE Road, Lakeville, Connecticut

# Dear Mr. Burcroff and Dr. Klemens:

The purpose of this letter is to advise you that the following persons are authorized to represent A Slice of LLC in all matters coming before the Town of Salisbury Inland Wetlands and Watercourses Commission and the Town of Salisbury Planning and Zoning Commission with regard to the above captioned property which authorization includes the power to execute all applications on its behalf:

- Mark J. Capecelatro
- Matthias Kiefer 2.
- 3. Patrick R. Hackett
- Susan T. Rodriguez 4.
- Michael Trapp 5.
- 6. Alana Anderson

This Letter of Representation shall remain in full force and effect and without limitation until such time as you receive a letter from me notifying you that the Letter of Representation has been revoked.

Very truly yours, Adda A

A Slice of LLC, by Alice Gottesman, Sole Member



From: Terri Carlson <<u>terri@capecelatro.com</u>> Sent: Wednesday, August 16, 2023 5:17 PM To: Alana Anderson <<u>aanderson@str-architecture.com</u>> Subject: Amended Application

Please have Ms. Gottesman sign last page

Terri Carlson Mark J. Capecelatro, LLC 117 Main Street PO Box 1045 Canaan, CT 06018 terri@capecelatro.com

860-824-5146 860-824-9869 – fax

WIRE FRAUD ALERT – Please contact our office for specific wiring instructions BEFORE wiring funds. If you ever receive an email appearing to be from our firm stating that our wire instructions have changed or requesting a wire transfer, please contact us immediately at 860-824-5146 as you may have fallen victim to a scam. Law Firms, Realtors and other professionals are being targeted by sophisticated hackers in an attempt to steal funds by initiating fraudulent wire transfers.

This email, and any attachments hereto, is intended only for use by the addressee(s) named herein and may contain legally privileged and/or confidential information. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email, and/or any attachments hereto, is strictly prohibited. If you have received this email in error, please notify me by replying to this message and permanently delete the original and any copy of this email, any attachments hereto, and any printouts thereof.

AMENDED

**Conservation Commission** 

Town of Salisbury, Conservation Commission, Application for Regulated Activity Permit

\*8. Demolition of existing single family dwelling and construction of a new dwelling with attached pergola, garage/guest house, installation of a new septic system, generator, driveway, underground storm water treatment system and installing a vegetation buffer all as detailed in plans provided by Patrick R. Hackett, which accompany this Application and are hereby made a part of the same.

### 79 Old CNE Road-Application

Mark Capecelatro <mark@capecelatro.com> Thu 9/7/2023 12:13 PM To:Land Use <landuse@salisburyct.us>;Abby Conroy <aconroy@salisburyct.us>

Cc:Pat Hackett (prh@prhackett.com) <prh@prhackett.com>;Alice Gottesman <alice.gottesman@icloud.com>;Susan T Rodriguez <srodriguez@str-architecture.com>;Alana Anderson <aanderson@str-architecture.com>;Michael Trapp (michael@michaeltrapp.com) <michael@michaeltrapp.com>

Abby,

Pursuant to our conference this morning, the purpose of this email is to request that if the above Application is placed on the Agenda for the meeting scheduled for Monday, September 11, 2023, it be tabled and that no discussion of the property or any aspect of the Application or supporting materials be allowed.

I am away on vacation and will not be able to attend the meeting and do not want my client's matter to be discussed in my absence. Additionally, per our discussion, the next time that this matter will appear on the Agenda will be for the meeting scheduled for Monday, September 25, 2023 at 6:30 pm by which time we hope to have had a response from Tom Grimaldi.

Please let me know if you need anything further. Thanks for taking the time to discuss this matter and yesterday's abortive Special Meeting/Site Visit with me.

Best, Mark

#### R.R. Hiltbrand Engineers & Surveyors, L.L.C.

Consulting Civil Engineers 21 Copper Hill Road Granby, Connecticut 06035 (860) 653-9473 Email: tdgrimaldi@gmail.com

575 North Main Street Bristol, Connecticut 06010 (860) 582-4548 Email: <u>rrhilt@aol.com</u>

September 11, 2023

Mr. Larry Burcroff, Chairman Inland Wetlands Commission 27 Main Street P.O. Box 0548 Salisbury, CT 06068

Re: 79 Old CNE Road Lakeville, CT

Dear Mr. Chairman:

We have reviewed the following information provided to our firm:

- 1. Engineering drawings as submitted by Patrick R. Hackett, P.E., Dated August 8, 2023, scale as noted, to include the following sheets:
  - a. Title Plan, Sheet 1
  - b. Subsurface Sewage Disposal Repair, SSDS 1, Sheet 2.
  - c. Subsurface Sewage Disposal Repair, SSDS 2, Sheet 3.
  - d. Demolition Plan, Demo Plan, Sheet 4.
  - e. Site Plan, Sheet 5
  - f. Erosion & Sediment Control Plan, E&S1, Sheet 6
  - g. Erosion & Sediment Control Plan, E&S2, Sheet 7
  - h. Stormwater Management & Planting Plan, SWP, Sheet 8
  - i. Landscape Plan, Sheet 9.
  - j. Tree Work Plan, Sheet 10
  - k. Phase Plan, Sheet 11.
  - 1. Site Development Plan, Driveway Plan & Profile, Sheet 12.

- 2. Correspondence Letter from Mark Capecelatro, Esquire dated August 10, 2023.
- 3. Conservation Commission Application.

#### Engineering Comments:

- 1. **Please provide an Existing Conditions Plan.**
- 2. Please provide an Erosion & Sedimentation Control Measures Bond estimate, to include a line item for maintenance, for review by the Consulting Town Engineer.
- 3. <u>SSDS 1, Sheet 2</u>, No comment.
- 4. <u>SSDS 2, Sheet 3</u>, No comment.

#### 5. **Demo Plan, Sheet 4:**

- a. Recommend that the 18" diameter sediment log be installed in one continuous row or all sections shall be overlapped by 3 feet.
- b. Label sediment logs, filter socks, and the construction entrance.
- c. Add a note that the existing asphalt driveway shall be removed upon installation of the proposed driveway.
- d. Add a note that the area in which the asphalt is removed shall be loamed, seeded, and mulched immediately upon completion of the asphalt removal.
- e. Will the existing dwelling be razed? Add a note to explain what will stay and/or be removed.
- f. Label the area within the dashed green line type? What is this area? Please explain.
- g. Provide a note indicating the perimeter of the netting area. What is the significance of the netting area?
- h. Add a note indicating that the orange safety fencing, which protects the septic area, shall be installed prior to any construction.

#### 6. Site Plan, Sheet 5:

a. Label all retaining/garden walls. Provide top of wall and toe of wall elevations. Please note: any retaining walls over three feet in height shall require a design by a licensed professional. Detailed plans shall be provided to the Building Official. b. Recommend that the footing drain discharge to grade as it is clean water. Also, if the drainage system backs up it could adversely affect the footing drain discharge and cause water to back up within the basement.

### 7. <u>E & S 1, Sheet 6:</u>

- a. Indicate the recommended locations of the loam and/or native fill stockpile areas. Include perimeter controls at all stockpile locations.
- b. As there are multiple long trench excavations that run perpendicular to the slope toward the lake, add note to plan indicating that all trenches shall be backfilled daily and the areas stabilized with loam, seed, and mulch within a 24-hour period.
- c. Provide the limits, with a hatch, of all areas in excess of 5% grade that will require the installation of erosion control blankets.
- d. Label all filter socks or indicate as typical.

#### 8. <u>E & S 2, Sheet 7:</u>

a. Provide a 24-hour emergency contact telephone number and name of the Responsible Person for all Erosion & Sedimentation Control Measures.

#### 9. <u>SWP, Stormwater Management Plan, Sheet 8:</u>

- a. Recommend that the footing drain discharge to grade as it is clean water. Also, if the drainage system backs up it could adversely affect the footing drain discharge and cause water to back up within the basement.
- b. Provide deep test pit information within the proposed storm drainage system to include the seasonal high groundwater depth, mottles (Redox), compact glacial till, and/or ledge rock. The storm drainage system shall be a minimum of 24 inches above groundwater, mottles (Redox), and/or compact glacial till. Soil test data shall be added to plans.
- c. Provide the proposed bottom and top elevations of the proposed stormwater treatment system.
- d. Recommend 12-inch minimum cover over the proposed stormwater treatment system.
- e. Recommend that all discharge pipes shall be PVC SDR 35 ASTM D3034 to include the footing drain and the high-level overflow for the stormwater treatment system.
- f. Recommend that the proposed yard drain within the driveway shall be connected to the stormwater treatment system as the run-off from the

driveway will require some form of treatment. If the Design Engineer so chooses, he may propose a separate treatment system in the area of the currently proposed outlet. If the Design Engineer chooses this option, soil testing will be required within this area as well. Soil test data shall be added to plans.

- g. Provide a grade at the lower limit of the proposed driveway that indicates surface run-off shall flow back to the yard drain.
- h. Provide flowline grades and slopes for all gravity distribution piping proposed on-site.

#### 10. Landscape Plan, Sheet 9:

- a. Provide a cross section detail for the Fieldstone Terrace to include the base material type and depth.
- b. Provide a cross section detail for the Bluestone Walkway to include the base material type and depth.
- c. Provide a typical cross section detail for the stone retaining walls.

### 11. <u>Tree Work Plan, Sheet 10</u>, No comment.

- 12. **Phase Plan, Sheet 11**, No comment.
- 13. Driveway Plan & Profile, Sheet 12, No Comment.

<u>Please submit revised plans for review along with a response letter. Recommended</u> <u>Conditions of Approval will be forthcoming upon review of the revised plans and</u> <u>the E & S Bond estimate.</u>

Sincerely,

Thomas D. Grimaldi Principal Engineer

Robert R. Hiltbrand Principal

# 79 OLD CNE ROAD, LAKEVILLE, CONNECTICUT

### Site Plan Notes

- · Plan prepared for: Alice Gottesman, Cornwall, Connecticut.
- See Erosion & Sediment Control plan for barrier locations.
- See Demo Plan for Tree Protection
- · See SSD Design 2 sheets • Parcel Area: 3.569± acres and 2.280± acres in the LPOZ.
- The system as shown, consists of a 2,000 gallon septic tank, 1,500 gallon pump chamber, and 80LF of Geomatric GST6218 and is for a 4-bedroom single-family residential structure and 1
- bedroom guest-house. • Parcel is in an LA zone, minimum 40,000
- square feet, 50' front yard, 25' sides, and 75' from water.
- · Proposed impervious coverage is under 10%. Stormwater quality volume is calculated using 10% maximum allowable. See the Stormwater Plan for more details.
- See Erosion and Sediment Control Plan for E&S measures and temporary stockpile locations.



VICINITY VIEW SCALE: 1" = 100'

## **Zoning Data**

Address:	: 79 Old CNE Road					
Applicant / Owner:	A Slice of LLC					
Zone:	LA Residential					
Overlay Zone:	LPOD - Lake Protection Overlay District					
Minimum Lot Area -	40,000 SF					
Minimum Buildable Area -	20,000 SF					
Minimum Street Frontage -	25 feet					
Minimum Square -	150 feet					
Front Yard setback -	50 feet					
Side Yard Setback -	25 feet					
Rear Yard Setback -	25 feet					
Maximum Building Height -	30/35 feet					
Building Height:	See plan					
Area Lot:	155,468 SF or 3.569 ± Acres					
LPOD Area:	99,347 SF or 2.281 ± Acres					
Existing Building Coverage:	2,632 SF or 0.060 ± Acres					
Proposed Building Coverage:	5,117 SF or 0.117 ± Acres					
Percent Building Coverage to	Evicting 1.7%					
Lot Area:	Existing 1.7%					
Percent Building Coverage to	Dranaad 2.2%					
Lot Area:	Proposed 3.3%					
Maximum Building Coverage	10.0%					
allowed in Zone:	10.0 %					
Existing Impervious LPOD:	6,525 SF or 0.150 ± Acres					
Proposed Impervious LPOD:	9,869 SF or 0.227 ± Acres					
Maximum Impervious allowed	9,934 SF or 0.228 ± Acres					
in LPOD:						
Percent Impervious in LPOD:	Existing 6.6%					
Percent Impervious in LPOD:	Proposed 9.9%					
Existing Impervious Parcel:	8,653 SF or 0.199 ± Acres					
Proposed Impervious Parcel:	12,421 SF or 0.285 ± Acres					
Percent Impervious in Parcel:	Existing 5.6%					
Percent Impervious in Parcel:	Proposed 8.0%					
Maximum Impervious allowed	$21.002$ SE or $0.714 \pm 4.0002$					
in LPOD:	31,093 SF or 0.714 ± Acres					
Water :	Aquarion					
Sewer.	On-Site					

# LIST OF SHEETS

- 1 TITLE SHEET
- 2 SUBSURFACE SEWAGE DISPOSAL DESIGN SHEET 1 OF 2
- 3 SUBSURFACE SEWAGE DISPOSAL DESIGN SHEET 2 OF 2
- 4 DEMOLITION PLAN 20 SCALE
- 5 SITE PLAN 20 SCALE
- 6 EROSION & SEDIMENT CONTROL PLAN SHEET 1 OF 2
- **EROSION & SEDIMENT CONTROL PLAN** SHEET 2 OF 2
- 8 PRE AND POST DEVELOPMENT **IMPERVIOUS & STORMWATER**
- 9 LANDSCAPE PLAN 20 SCALE
- 10 TREE WORK PLAN 20 SCALE
- 11 CONSTRUCTION PHASE PLAN 40
- 12 DRIVEWAY PLAN AND PROFILE 40 SCALE

Architect: Susan T Rodriguez AID 555 W 25th St NY,NY

Engineer: Patrick R. Hackett, P.E. 16 East Street, Lakeville

Surveyor: Lamb-Kiefer Land Surveyors 55 Selleck Hill Rd, Salisbury

Date: August 8, 2023

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Sheet 1

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LLC Road

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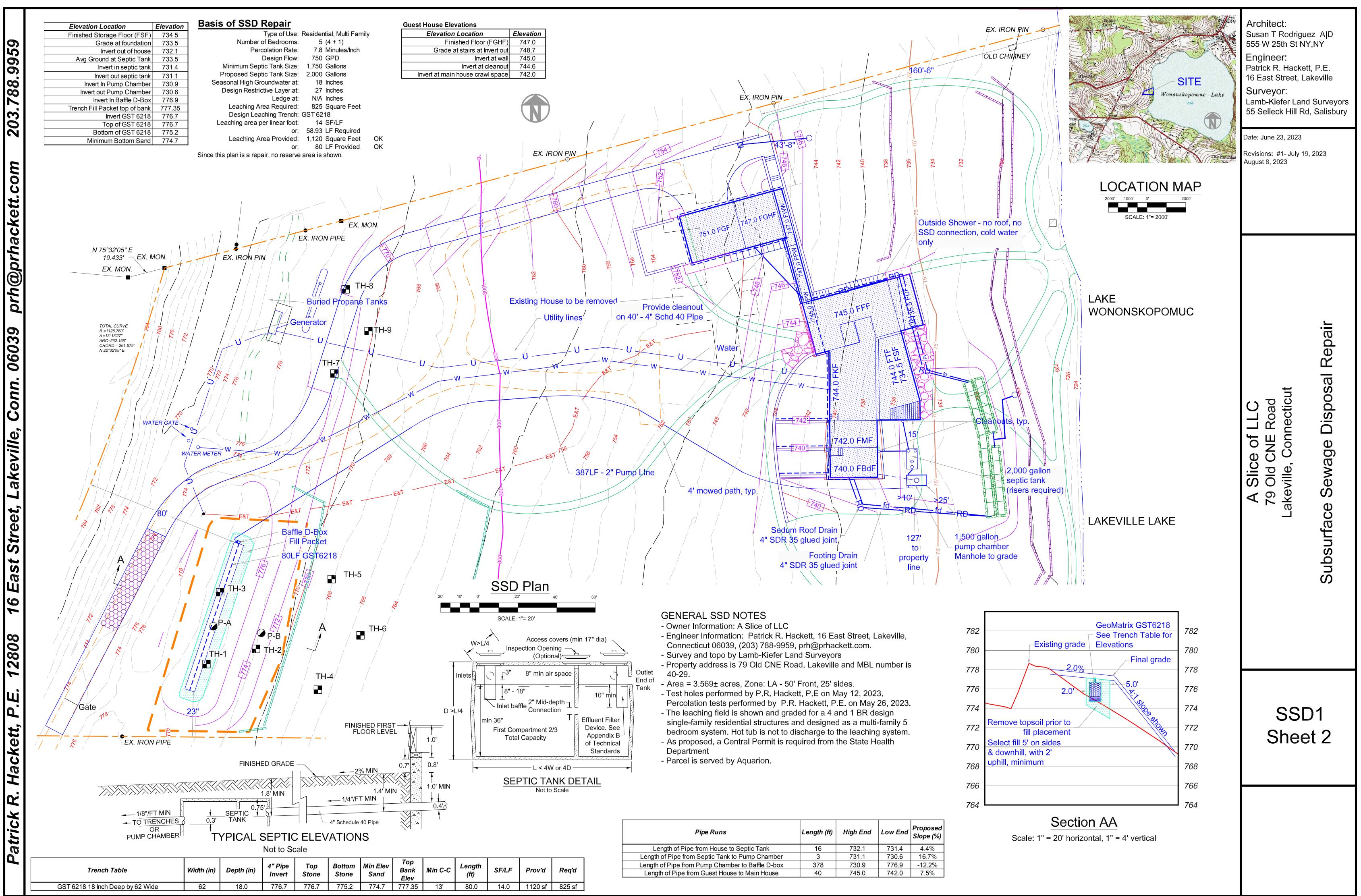
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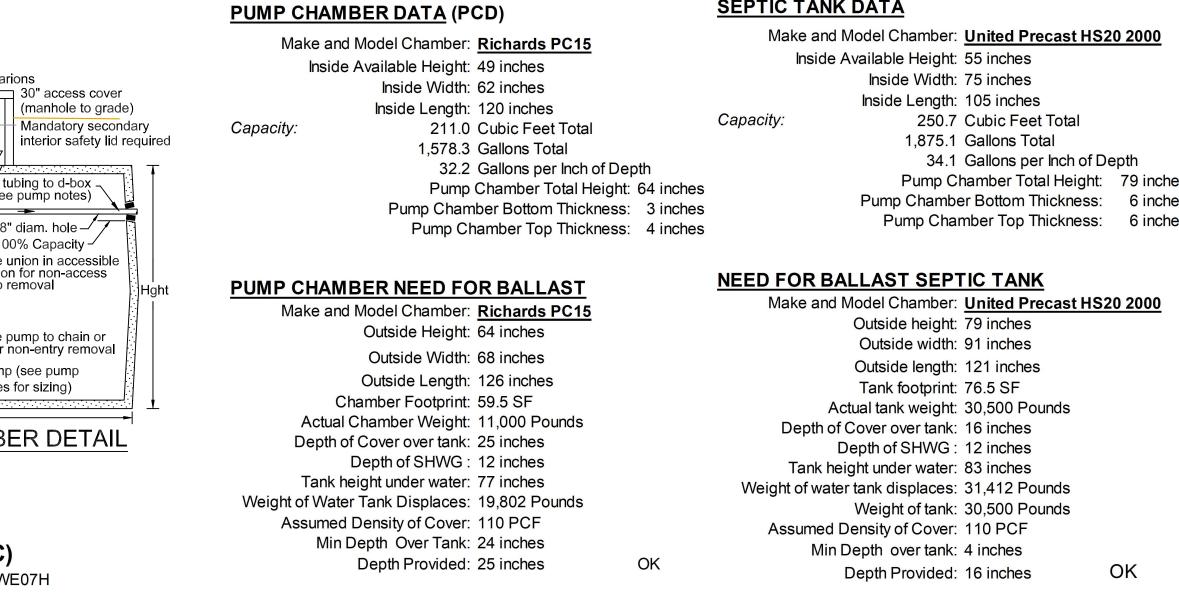
Revisions:



203. prh@prhackett.com 06039 Conn. eville, Lak Street, East 10 2808 P.E. Hackett, R Patrick

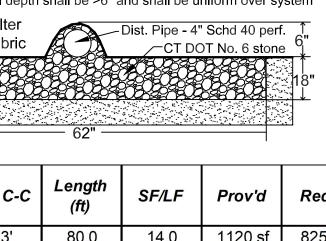
			Pipe Runs	Length (ft)	High End	Low End	Slope (%
			Length of Pipe from House to Septic Tank	16	732.1	731.4	4.4%
r			Length of Pipe from Septic Tank to Pump Chamber	3	731.1	730.6	16.7%
			Length of Pipe from Pump Chamber to Baffle D-box	378	730.9	776.9	-12.2%
<i>F/LF</i>	Províd	Req'd	Length of Pipe from Guest House to Main House	40	745.0	742.0	7.5%
	=/LF			<i>Length of Pipe from House to Septic Tank</i> <i>Length of Pipe from Septic Tank to Pump Chamber</i> <i>Length of Pipe from Pump Chamber to Baffle D-box</i> <i>Length of Pipe from Guest House to Main House</i>	Length of Pipe from House to Septic Tank     16       Length of Pipe from Septic Tank to Pump Chamber     3       E/LF     Prov'd     Req'd       Length of Pipe from Pump Chamber to Baffle D-box     378       Length of Pipe from Guest House to Main House     40	<i>Length of Pipe from House to Septic Tank</i> 16       732.1         Length of Pipe from Septic Tank to Pump Chamber       3       731.1         Length of Pipe from Pump Chamber to Baffle D-box       378       730.9         Length of Pipe from Guest House to Main House       40       745.0	Length of Pipe from House to Septic Tank16732.1731.4Length of Pipe from Septic Tank to Pump Chamber3731.1730.6Length of Pipe from Pump Chamber to Baffle D-box378730.9776.9Length of Pipe from Guest House to Main House40745.0742.0

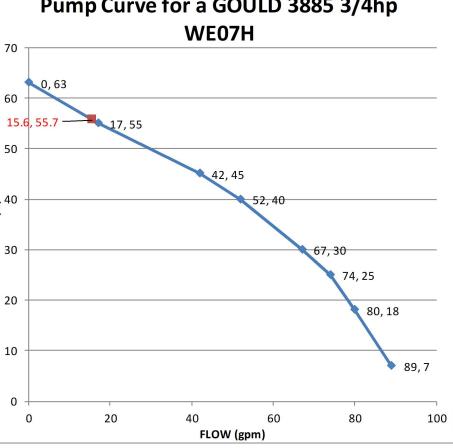
	Basis of SSD Repair				SEDTIC TANK DATA	S
	Type of Use: Residential, Multi	i Family		PUMP CHAMBER DATA (PCD)	SEPTIC TANK DATA Make and Model Chamber: <u>United Precast HS20 2000</u>	•
5	Number of Bedrooms: 5 (4 + 1) Percolation Rate: 7.8 Minutes/	/Inch	Magnetic tracing warning tape	Make and Model Chamber: <u>Richards PC15</u> Inside Available Height: 49 inches	Inside Available Height: 55 inches	· t
995	Design Flow: 750 GPD		(NEMA 3R or 4X) Junction Box Locarions	Inside Width: 62 inches	Inside Width: 75 inches Inside Length: 105 inches	(
6	Minimum Septic Tank Size: 1,750 Gallons Proposed Septic Tank Size: 2,000 Gallons		(MEMA 6P) (manhole to grade) Mandatory secondary	Inside Length: 120 inches Capacity: 211.0 Cubic Feet Total	Capacity: 250.7 Cubic Feet Total	•
	Seasonal High Groundwater at: 18 Inches		interior safety lid required	1,578.3 Gallons Total	1,875.1 Gallons Total	S
800	Design Restrictive Layer at: 27 Inches Ledge at: N/A Inches		2" PVC tubing to d-box	32.2 Gallons per Inch of Depth	34.1 Gallons per lnch of Depth Pump Chamber Total Height: 79 inches	6
N	Leaching Area Required: 825 Square I	Feet	Secure floats (see pump notes)	Pump Chamber Total Height: 64 inc Pump Chamber Bottom Thickness: 3 inc	Pump Chamber Bottom Thickness: 6 inches	-
ကြ	Design Leaching Trench: GST 6218 Leaching area per linear foot: 14 SF/LF		access, and free non-entry removal 1/8" diam. hole 1/8" diam. hole	Pump Chamber Top Thickness: 4 inc	Dump (Chambor Lon Thicknoce) 6 inchoe	_
203	or: 58.93 LF Requ	uired				٠T
	Leaching Area Provided: 1,120 Square F or: 80 LF Provi		Reserve Capacity	PUMP CHAMBER NEED FOR BALLAST	NEED FOR BALLAST SEPTIC TANK Make and Model Chamber: United Precast HS20 2000	6
	Since this plan is a repair, no reserve area is shown.			Make and Model Chamber: <u>Richards PC15</u> Outside Height: 64 inches	Outside height: 79 inches	S
			Alarm On rails for non-entry removal	Outside Width: 68 inches	Outside width: 91 inches	· It
	TEST HOLE INFORMATION	PERCOLATION TEST INFORMATION	Pump On + O + Pump (see pump   Pump Off - O + O + O + O + O + O + O + O + O + O	Outside Length: 126 inches	Outside length: 121 inches Tank footprint: 76.5 SF	0
0	Test holes observed by P.R. Hackett, P.E.	By P.R. Hackett, P.E.		Chamber Footprint: 59.5 SF Actual Chamber Weight: 11,000 Pounds	Actual tank weight: 30,500 Pounds	. \
	Friday, May 12, 2023 <b>Site 1</b>	P-ADate: 05/26/2026Presoak dry before test	TYPICAL PUMP CHAMBER DETAIL	Depth of Cover over tank: 25 inches	Depth of Cover over tank: 16 inches Depth of SHWG : 12 inches	
ett	<u>TH 1</u>	Total Depth: 18 inches	Not to Scale	Depth of SHWG:12 inches Tank height under water: 77 inches	Tank height under water: 83 inches	• N
ke	0 - 12 Topsoil	Datum Depth: 19 inches		Weight of Water Tank Displaces: 19,802 Pounds	Weight of water tank displaces: 31,412 Pounds Weight of tank: 30,500 Pounds	(
U U	<ul><li>12 - 24 Yellow-brown very fine sandy loam</li><li>24 - 104 Moderate compact olive-brown silty</li></ul>	Perc <u>Time</u> <u>Depth</u> Rate		Assumed Density of Cover: 110 PCF	Assumed Density of Cover: 110 PCF	6
20	sandy till	0:04:06 7 1/2 (min/in)	PUMP CALCULATIONS (PC)	Min Depth Over Tank: 24 inches Depth Provided: 25 inches OK	Min Depth over tank: 4 inches	•
	No Ledge, No Water, Mottles at 18", Roots fine at 48"	0:12:21 11 2.4	Selected Pump: GOULD 3885 3/4hp WE07H <i>High Elevation:</i> 777.00		Depth Provided: 16 inches OK	1
	Moderate compact 18" downhill end of test hole	0:17:39 12 3/4 3.0	Low Elevation: 725.80			י ר י
Ø	<u>TH 2</u>	0:21:04 13 7/16 5.0 0:25:03 14 1/2 3.7				
rh@pi	0 - 9 Topsoil 9 - 18 Yellow-brown very fine sandy loam	0:25:03 14 1/2 3.7 0:30:28 15 1/2 5.4	<b>Type Pipe:</b> <i>PVC ASTM D 1785 / ASTM D 2665</i> Mannings n : 0.012			<b>۲</b> •
Q	<ul> <li>9 - 18 Yellow-brown very fine sandy loam</li> <li>18 - 103 Moderate compact olive-brown silty</li> </ul>	0:35:49 16 3/16 7.8	f VALUE = 0.048	Pump Curve for a GOULD 3885 3/4hp	PUMP NOTES	1
	sandy till	0:39:56 16 13/16 6.6	K Value Elbow : 0.9 (P.227 D&F) Number of Bends : <i>1</i>	70 <b>WE07H</b>	The engineer shall be notified of any changes that	t
9	No Ledge, No Water, Mottles at 18", Roots fine at 40"	0:46:45 17 7/8 6.4 Max rate = 7.8 minutes per inch	Pipe Diameter: 2 Inches	0, 63	deviate from this plan. No different equipment shall be	r
$\mathbf{S}$	<u>TH 3</u>		Xsec Area : 3.1 Inches <sup>2</sup>	60	used until the design values have been checked by the	(
06039	0 - 9 Topsoil	<b>P-B</b> Date: 05/26/2026	or: 0.022 Feet <sup>2</sup> Length of Pipe: 387 Feet	15.6, 55.7 <b>1</b> 7, 55	engineer and approved.	۲ • ا
Õ	<ul><li>9 - 20 Yellow-brown very fine sandy loam</li><li>20 - 103 Moderate compact olive-brown silty</li></ul>	Presoak dry before test	Volume in Pipe : 63.2 Gallons	42, 45	The pump(s) shall be as selected on the PUMP	1
	sandy till	Total Depth: 18 inches Datum Depth: 19 inches	Start GPM 0 (This is where VBA starts)	£ <sup>40</sup>	CALCULATION (PC) table . Minimum capacity shall be 900 gallons per hour at 25 feet of head. Discharge rate	5
121	No Ledge, No Water, Mottles at 20", Roots at 40"	Perc	Minimum Flow : 15 Gallons per Minute (GPM)	IEAD (	for a 2" pump line using the selected pump is at the	r
l õ	Site 2	<u>Time</u> <u>Depth</u> Rate 0:02:37 7 1/8 (min/in)	Estimated Flow : 15.598 GPM	<b>x</b> 30 <b>67, 30</b>	bottom of the PC table. See Total Dynamic Head	• /
<b>U</b>	<u>TH 4</u> 0 - 18 Topsoil	0:11:55 11 3/16 2.3	Velocity: 1.6 FPS H <sub>v</sub> = 0.04 Feet	20	graph for the pump on plan. Pumps shall be chained as shown on detail and have a union/quick disconnect for	[
~~~	18 - 26 Yellow-brown very fine sandy loam	0:17:12 12 3/4 3.4 0:20:38 13 7/8 3.1	Static Head : 51.2 FT. OR 22.2 pt H <sub>elevation</sub>	80, 18	non-access pump removal, or provide slide rail removal	F
ville	26 - 111 Moderate compact olive-brown silty sandy till	0:24:36 14 15/16 3.7	Pipe Friction :4.4 FT. OR2 psiH_{pipe}Elbow Loss :0.0 FT. OR0.1 psi H_{bend}	10	system. Provide a secondary interior safety lid on riser.	• T
I E I	No Ledge, No Water, Mottles at 26"	0:30:04 15 15/16 5.5 0:35:20 16 5/8 7.7	Elbow Loss : 0.0 FT. OR 0.1 psi H <sub>bend</sub>	89,7	Pump turn-on and turn-off level to be adjusted by the	t
6	<u>TH 5</u>	0:39:37 17 1/4 6.9	(SEE P.327 Daugherty & Franzini (D&F), P6-15 Brater & King (B&K))	0 20 40 60 80 100	contractor to match the float elevations shown in the	۰L
X	0 - 9 Topsoil	0:46:26 18 1/4 6.8 Max rate = 7.7 minutes per inch	ROUGHNESS FACTOR, f = [8g*n²]/[(1.486)²R^(1/3)] = 185n²/D^(1/3) PIPE HEAD LOSS = fL/D*Hv = 2.87n²LV²/D^(4/3) = DARCY-WEISBACH FORMULA	FLOW (gpm)	FLOAT SWITCH SETTINGS (FSS) table. Pumps shall	-
0	<ul><li>9 - 20 Yellow-brown very fine sandy loam</li><li>20 - 109 Moderate compact olive-brown silty</li></ul>		Elevation Location Elevat	tion	be wired so the alarm is on a separate circuit. All electrical wiring of the pump station, alarm, and feed,	ć
t,	sandy till No Ledge, Water entering 95", Mottles at 20", Roots	MLSS CALCULATION Type Use: Multi Family	Finished Storage Floor (FSF) 734.	.5	shall meet the National Electrical Code, latest edition.	. S
et	fine at 40"	System to be constructed: Yes, Constru	Investory of basis 722		The control panel and alarm shall be located in an audible location.	-
Ū,	<u>TH 6</u>	Perc Rate = 7.8 Min per i Slope of Land = 12.0%	FF = 2.5 Avg Ground at Septic Tank 733.	.5		
	0 - 14 Topsoil	Restrictive Layer at LS area, A = 18 Inches Restrictive Layer at 25' DG, B = 18 Inches	HF = 24 Invert in septic tank 731. Invert out septic tank 731.		The utility vault used Is noted in the Pump Chamber	I
<b>N</b>	<ul><li>14 - 24 Yellow-brown very fine sandy loam</li><li>24 - 110 Moderate compact olive-brown silty</li></ul>	RS Depth, less fill/2 = $(A+B)/2 = 18$ inches	Invert In Pump Chamber 730.	.9	Data (PCD) table and must be watertight with joints sealed with asphalt cement or equal. Inside	I
st	sandy till	Depth of Fill Provided = 18 Inches Receiving Soil Depth, RS = 27 Inches	Invert out Pump Chamber 730. Invert In Baffle D-Box 776.		dimensions are as noted on the PCD table. Float level	·F
Ø	No Ledge, Water entering 90", Mottles at 24", Roots fine at 40"	Number of Bedrooms = $5$	Trench Fill Packet top of bank 777.3		elevations are listed from both the inside bottom and	ا بر •
<b>μ</b>	Site 3	MLSS Required = PF x FF x HF = 1.0 x 2.5 x 24			outside top of the chamber and can be found in the Float Switch Settings table. They are based on the	Ç
0	<u>TH 7</u>	= 60.0 Feet	Bottom of GST 6218 775.		spec'd dimensions in the PCD table and must be	1 
	0 - 14 Topsoil 14 - 22 Yellow-brown very fine sandy loam	MLSS Provided = 80.0 Feet	OK Minimum Bottom Sand 774.	<u>.,                                     </u>	re-figured for a different tank.	l k
	22 - 110 Moderate compact olive-brown silty				Acceptable pipe for the pump line shall be 2" PVC	· /
2808	sandy till No Ledge, Water entering 92", Mottles at 22", Roots	GEOMATRIX GST621	8 LEACHING SYSTEM NOT	T TO SCALE	plastic pressure pipe ASTM D2241, SDR21, SDR 17,	 
$\widetilde{\otimes}$	fine at int"	$B' \qquad Plan View$	A-A' Cross Section		or SDR 13.5 or AWWA C-900 (PC 200 PSI min) with bell and spigot with rubber compression gaskets, 2"	-
N	<u>TH 8</u> 0 10 Tensoil		Finished Grade shall be pitched to sheet		PVC ASTM D 1785 / ASTM D 2665 Schedule 40 with	
	0 - 10 Topsoil 10 - 19 Yellow-brown very fine sandy loam	T DE RO DA RO DA	Cover material depth shall be >6" and		solvent welded, threaded joints or gasketed couplings, or 2" polyethylene plastic flexible pressure pipe, 200	
n:	19 - 105 Moderate compact olive-brown silty		shall be uniform over system	-Filter Fabric	or 2" polyethylene plastic flexible pressure pipe, 200 p.s.i. rated with no joints withing 50' of a well or 50' of	
	sandy till No Ledge, Water entering 93", Mottles at 19", Roots				an open watercourse or surface water drain.	
	fine at 40"				An 1/8" diameter hole shall be into the discharge pipe	
Ľ,	<u>TH 9</u> O Tanasil		$\geq 2"$ $\Rightarrow 2 = 2$ $\Rightarrow 3 = 2$ $\Rightarrow 4 = 2$ $\Rightarrow 2 = 2$ $\Rightarrow 3 = 2$ $\Rightarrow 4 = 2$ $\Rightarrow 2 = 2$ $\Rightarrow 3 = 2$		facing downward to allow effluent to flow back into the	
ket	0 - 9 Topsoil 9 - 18 Yellow-brown very fine sandy loam	12" 4" Perf. Port 2000000000000000000000000000000000000	2" 4" 4"  (or approved equivilant)	No. 6 stone	pump chamber when the pump cycle ends.	
×	18 - 105 Moderate compact olive-brown silty	Schd. 401 51 51 51 51 51 51 51 51 51 51 51 51 51	ASTM C-33 Sand B-B' Cross Section		See Float Switch Settings table for flow back volume to	
ac	sandy till No Ledge, Water entering 92", Mottles at 18"		Finished Grade shall be pitched to sheet flow stormwate		the pump chamber. Flow back is based on the length of	
Ha			Cover material depth shall be $>6"$ and shall be		pump line and pipe diameter. Float level are set to account for flowback.	
			ASTM C-33 Sand (or approved Filter Dist. Pipe - 4	4" Schd 40 perf	account for nowback.	
K			equivilant) Fabric C D	OT No. 6 stone 6"		
X				63628581 18" 2627828 1		
<u>';</u>		≥2" ↓ / <u></u> / <u></u> / <u></u> /	≥2" 			I
tr		B 4" 4"	≥2"	Pipe Runs	Length (ft) High End Low End Store (%)	I
D B	Trench Table		Top     Bottom     Min Elev     Top     Length       Stand     Stand     Sank     Min C-C     (f)	Prov'd Req'd Length of Pipe from House to	Siope (%)	I
		invert S	tone Stone Sand Elev (π)	Length of Pipe from Septic Tank to	o Pump Chamber 3 731.1 730.6 16.7%	I
	GST 6218 18 Inch Deep by 62 Wide	e 62 18.0 776.7 7	76.7 775.2 774.7 777.35 13' 80.0 14.0	1120 sf 825 sf Length of Pipe from Pump Chamb	ber to Baffle D-box 378 730.6 776.9 -12.2%	











## SSD NOTES

- Parcel and Owner information found in the General SSD Notes. The engineer shall be notified of any additions, deletions, and/or changes to this plan - Patrick R. Hackett, 16 East Street, Lakeville, Connecticut (203) 788-9959, prh@prhackett.com
- The Connecticut Public Health Code Regulations and Technical Standards for Subsurface Sewage Disposal Systems, January 1, 2023, as amended or corrected, is considered part of this plan. A copy of the 2023 code can be found at: https://portal.ct.gov/-/media/Departments-and -Agencies/DPH/dph/environmental health/environmental
- \_engineering/2023-uploads/TS-Master-2023- 1242023.pdf (no spaces) • This map is compiled from other maps, deed dimensions or other sources of information and is not to be construed as an accurate boundary survey and is to be used solely for the construction of the proposed subsurface sewage disposal design and site plan as shown here-in.
- It is recommended that the house and septic system be staked out by a qualified engineer or land surveyor.
- The invert of the 4" waste line at the house may be raised but not lowered without the consent of the engineer. A minimum of 12" of cover at this location shall be provided over the top of the pipe.
- No water softener, kitchen garbage grinder or tub with a capacity over 100 gallons shall be connected to this system. A water softener must have it's own separate leaching area and a kitchen grinder or large tub requires at a minumum a larger septic tank.
- In the event an ejector sump pumping 25% or more of the daily discharge, the septic tank size shall have 50% more capacity than the minimum required size
- The contractor shall verify and check elevations PRIOR to actual septic system installation.
- The septic tank shall be sized as noted on the plan. All parts of the septic tank shall conform to Section V of the Technical Standards for dimensions, compartments, outlet filters, access, configuration, marking,
- testing and construction. Manholes shall extend to grade when there is more than 12" of cover. Secondary safety lids shall be placed at any opening where the tank cover is removed (primarily pump chambers but may be septic tank risers).
- Pipe between the house and septic tank shall be 4 inch PVC Schedule 40 ASTM D1785 solvent weld coupling/fittings using proper two-step PVC solvent solution procedure or as allowed in Table 2 of Section III, Piping. Any cumulative change in pipe direction of more than 45 degrees shall not be not be allowed unless a 36 inch sweep is used.
- All solid pipe after the septic tank may be 4 inch PVC Schedule 40 ASTM D1785 solvent weld coupling/fittings using proper two-step PVC solvent solution procedure or as a minimum as allowed in Table 2-A of Section III Piping, Approved Effluent Distribution Pipe.
- The bottom of the trench and trench leaching pipe shall be level throughout. Maximum allowable deviation shall be no greater than 1 inch vertical in 50 feet horizontal.
- · Leaching trench type, size, dimensions, length shall be as noted in the Trench Table. See Basis of Design Table for design flow, and leaching area required and provided. See the MLSS table for minimum leaching system spread required and spread provided.
- Septic fill material shall meet the requirements of Section VIII A, of the Technical Standards, Select Fill Material, or as noted on the plan. Fill material shall extend a minimum of 5 feet beyond all sides and downhill trench perimeter and a minimum of 2' on the uphill side. There shall be no more than 5% by weight of calcium carbonate in any select sand material used.
- · Fill material beyond the last trench shall not be lower than the last trench invert 10 feet beyond the last trench.
- Any large stones or stumps encountered during the trench excavation shall be removed and replaced with septic fill meeting Section VIII A, of the Technical Standards, Select Fill Material.
- The distribution box shall be placed on a six inch (6") compacted gravel base to prevent heaving or settling.
- · All inlets and outlets to the septic tank and d-boxes shall be mortared after pipes are installed.
- In the event a heating oil tank is buried outside, it must be a minimum of 75' from any well.

### FLOAT SWITCH SETTINGS (FSS)

Pump Volume Maximum: 128.8 Gallons

After Alarm Volume: 934.1 Gallons

	<u>s</u> (100)		
Measured fro	om the inside bottom	of the cha	amber
Turn Off:	14.0 inches	equals	450.9 Gallons
Minimum Turn On:	16.0 inches	equals	515.4 Gallons
Maximum Turn On:	18.0 inches	equals	579.8 Gallons
Alarm Height:	20.0 inches	equals	644.2 Gallons
Length of Pump Line:	378 Feet		
Flow Back:	1.9 inches	equals	61.7 Gallons
Lost at Bottom:	15.9 inches		
or:	512.6 Gallons		
Pump Volume Minimum:	64.4 Gallons	Actual:	2.7 Gallons
Pump Volume Maximum:	128.8 Gallons	Actual:	67.1 Gallons
After Alarm Volume:	934.1 Gallons		
FLOAT SWITCH SETTINGS	<u>S</u> (FSS)		
Measured fro	om the outside top of	the chamb	ber
Turn Off:	47.0 inches	equals	450.9 Gallons
Minimum Turn On:	45.0 inches	equals	515.4 Gallons
Maximum Turn On:	43.0 inches	equals	579.8 Gallons
Alarm Height:	41.0 inches	equals	644.2 Gallons
Length of Pump Line:	378 Feet		
Flow Back:	1.9 inches	equals	61.7 Gallons
Lost at Bottom:	15.9 inches		
or:	512.6 Gallons		
Pump Volume Minimum:	64.4 Gallons	Actual:	2.7 Gallons

Actual: 67.1 Gallons ok > design flow 750 gpd Architect:

Susan T Rodriguez A|D 555 W 25th St NY,NY

### Engineer: Patrick R. Hackett, P.E. 16 East Street, Lakeville

Surveyor: Lamb-Kiefer Land Surveyors

55 Selleck Hill Rd, Salisbury

Date: June 23, 2023

Revisions: #1- July 19, 2023

<u>a</u>r Rep Disposal Φ Ō Q Φ S ubsurface

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SSD2

Sheet 3

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LLC Road

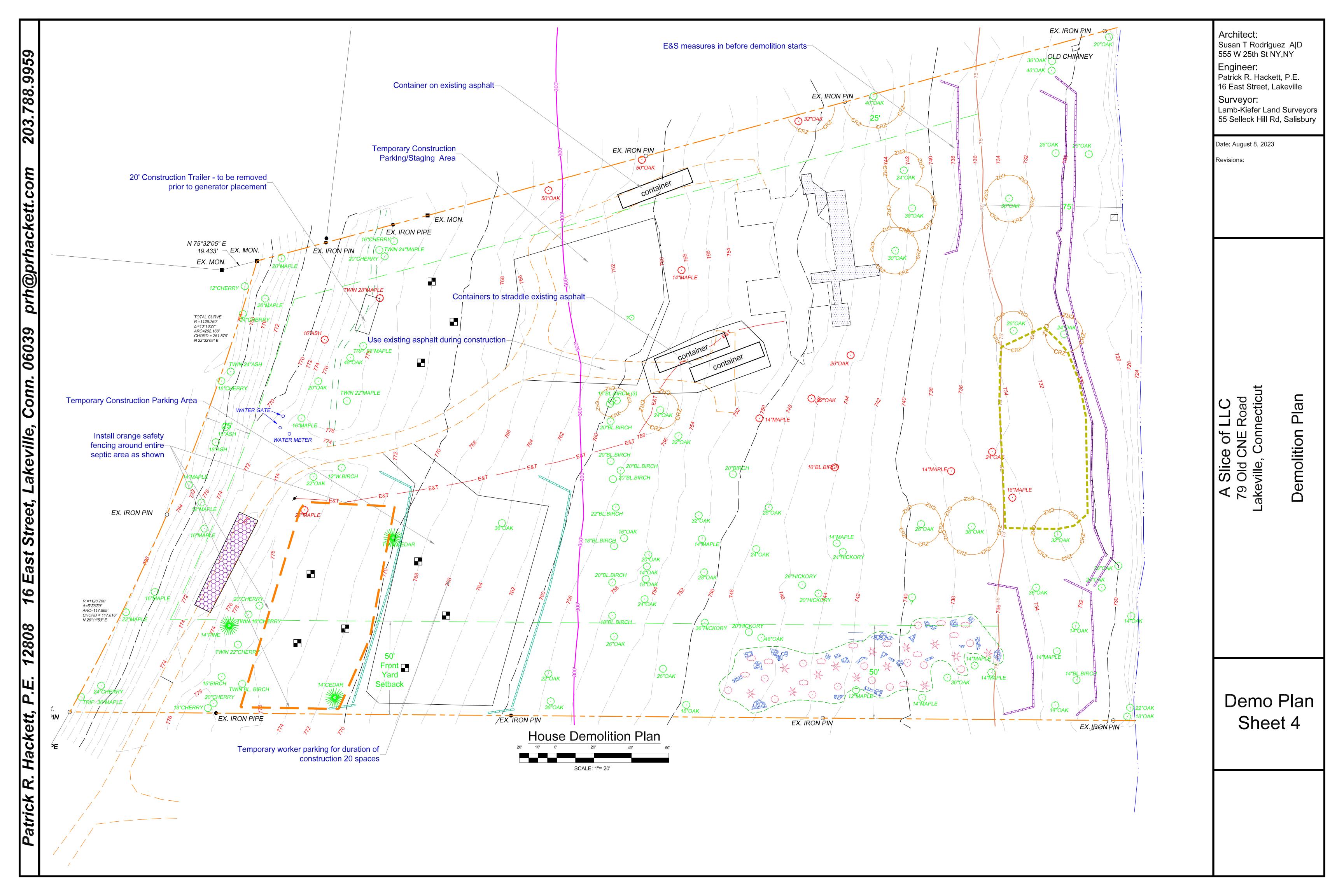
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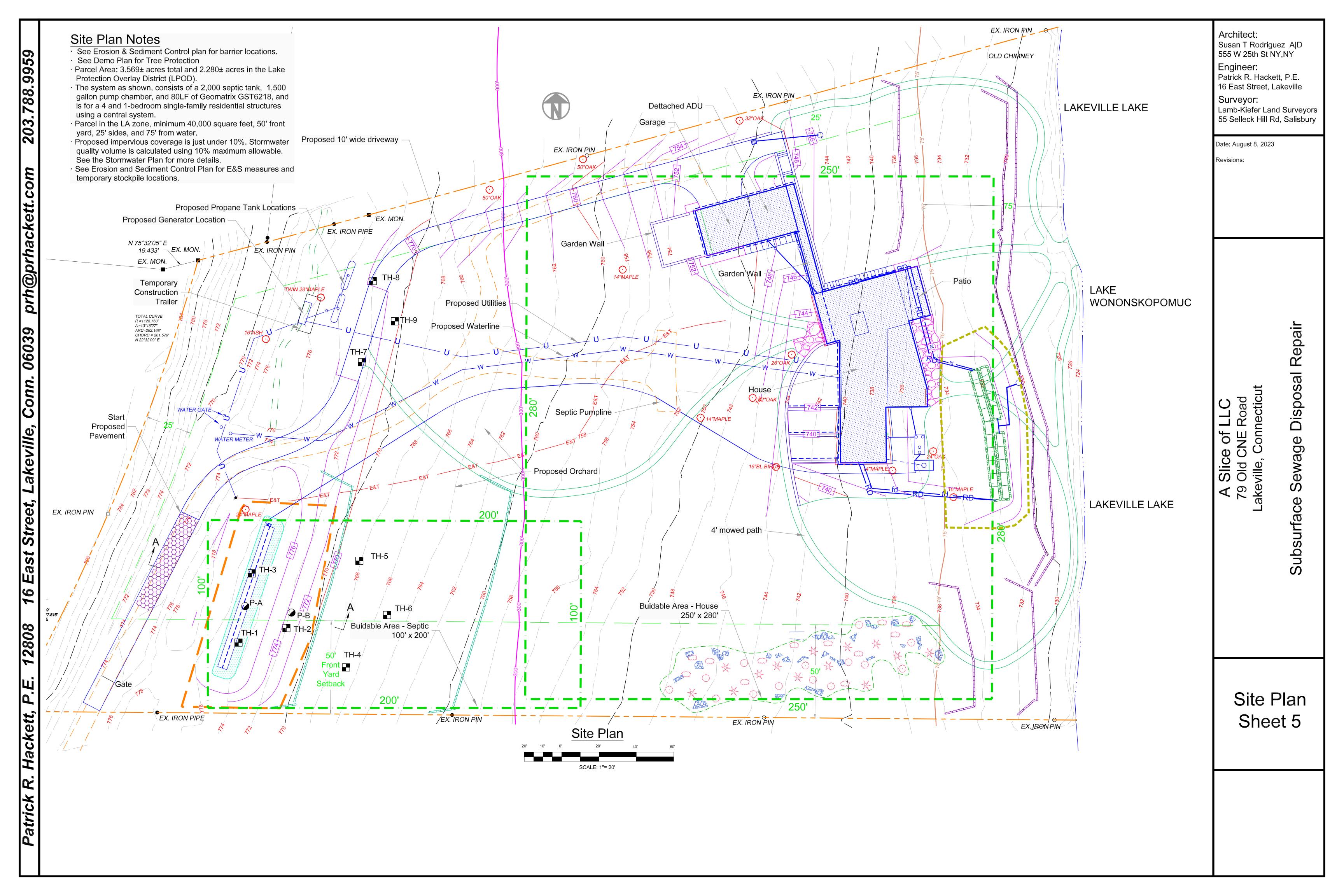
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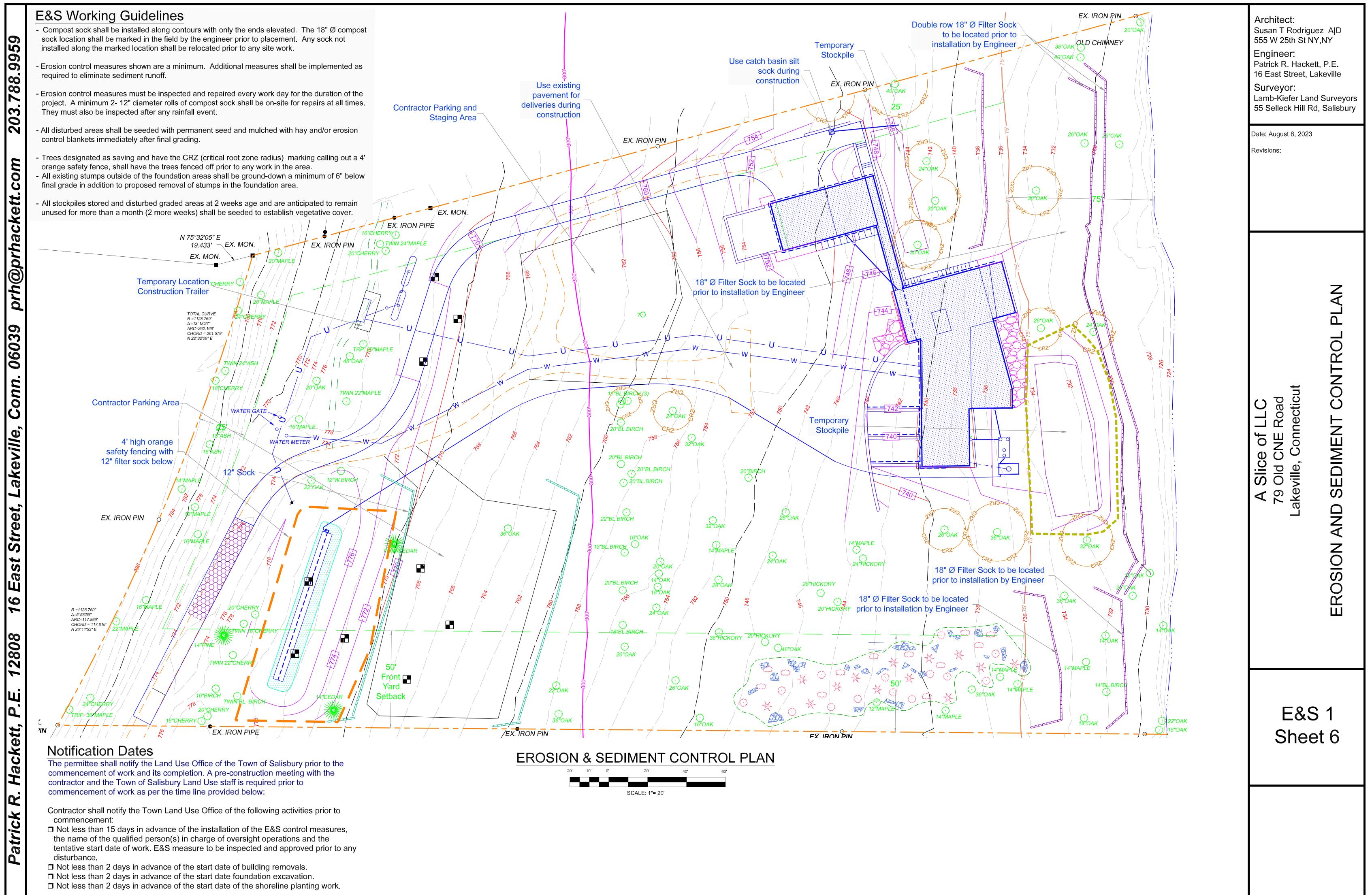
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### **EROSION CONTROL NOTES**

### Project Description

A parcel of land with existing house and garage located at 79 Old CNE Road, is to be removed and replaced with a 2023 code-compliant structure. Work on the house is within the 300' Lake Protection Overlay District. Attention must be taken to ensure runoff from the construction site and the final grading and cover is such that no sediment is conveyed toward the Lake . Filter sock is the major form of siltation control. All sock must be installed properly (ie, level with the land and higher only at ends) and maintained for the duration of the project. The project is intended to commence after all permits are acquired which is anticipated in 2023. All final graded outside areas must be stabilized by the end of the year's growing season. Any disturbed area that has not stabilized must be inspected and maintained till the next growing season.

The following notes are general in nature. The construction sequence notes found on the stormwater management sheet shall be followed in order to minimize the amount of time a disturbed area remains erosion-susceptible.

### Water Erosion Control Measures

Erosion and sediment control measures shall consist of hay bales, compost filter sock or a woven fabric (silt fence). All material shall be new and free from defects that would compromise the effectiveness of the control measures. After completion, all material will be disposed of properly. Location of erosion and sediment control structures can be seen on the site plan (see legend for control structure symbol). Note all water control measures are located down-gradient from disturbed areas. If topsoil is to be stored in an area not shown on the site plan, due to unforeseen events, prior to storing, the down-gradient perimeter of the storage area shall be properly protected to the specifications detailed on this plan.

### Wind Erosion Control Measures

During dry weather conditions, disturbed areas shall be protected against wind erosion. Dusty areas shall be sprayed with water to prevent wind-borne particles.

### Construction Litter Control

During building construction, all wrapping, boxes, scraps of building material, and other litter items shall be disposed of properly by use of a dumpster or carted away. The site shall be inspected and cleaned daily during construction.

#### Seeding

All disturbed areas shall be restored with a vegetative stabilization material (grass). The soil should be brought up to a ph of 5.7 or higher. This can be done by using the appropriate amount of lime, as required by a soil test. The topsoil stockpiles shall be tested and all additives based on the soil testing report. Any lime should be worked into the soil a minimum of 4 inches. All stones two inches or larger in diameter shall be removed along with all deleterious material (such as building material waste, stumps, etc). The seed shall be applied by either hand, cyclone seeder, a cultipacker type seeder or hydroseeder. Hydroseedings which are mulched may be left on soil surface. Seed mix shall be certified free from invasive species and consist of 20 pounds of Kentucky Bluegrass, 20 pounds of Creeping Red Fescue, and 5 pounds of Perennial Ryegrass, for a total of 45 pounds of seed per acre. Recommended seeding dates are April 1 through June 15 and August 15 through October 1. All seeded areas shall be maintained to ensure proper growth and to minimize erosion.

### Mulch

Mulch shall be certified free from invasive species and consist of straw or hay. It shall be applied at a rate of 1.5 - 2.0 tons per acre, or 70 - 90 pounds (1-1/2 - 2 bales) per 1000 square feet (31.6' x 31.6'). All mulch material shall also be free from weeds and coarse matter. All required grading shall be complete prior to placement of mulch. Application of mulch material shall be by hand or machine and in uniform thickness. Mulch material shall be anchored immediately after application to minimize windblown disturbance. Anchoring shall be by mechanical device or liquid mulch binder during mulch application.

#### General Notes

All erosion and sediment control measures shall be performed in accordance with the "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" by the Connecticut Council on Soil and Water Conservation dated May 2002, or latest revision.

All disturbed areas shall be kept to a minimum. Final grading and restoration shall be accomplished as soon as practical.

Erosion and sediment control structures shall be installed prior to any site disturbance. If it is not possible to do so, the engineer shall be notified in order to maintain the integrity of design.

All control structures shall be maintained throughout construction and removed when vegetative stabilization has been attained. If the proposed control measures are not satisfactory, additional control measures shall be implemented immediately.

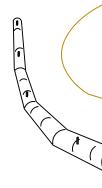
All runoff from the disturbed area shall be controlled and filtered. Filter sock shall be used in the areas shown on the site plan and installed as shown on this plan. Additional sock shall be installed as required.

Until a builder is selected the parcel owner is designated as the person responsible for the erosion and sediment control oversight and shall be responsible for the implementation of the sediment and erosion control measures. This responsibility includes the acquisition of materials, installation, and maintenance of erosion and sediment structures, the communication and the detailed explanation to all people involved in the site work of the requirements and objective of the erosion and sediment control measures. The designated qualified person shall be given to the Land Use Office prior to start of work. Any change in engineer shall also be noted at this time.

The engineer Patrick Hackett 203 788-9959, 16 East Street, Lakeville, Connecticut 06039 shall be notified of any proposed alteration to the erosion and sediment control plan, prior to altering, in order to ensure the feasibility of the addition, subtraction, or change in the plan. The engineer shall inspect all erosion and sediment control measures for installation and function. The engineer shall also be the contact person for the Zoning Enforcement Officer and shall be available to discuss, and/or meet on-site, to review any issues that may arise during the course of construction.

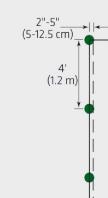
INSTALLATION

debris that cause a space.



Remove Debris along bottom Ends shall be higher in elevation





UNDISTURBED AREA

### Maintenance Schedule for E&S during Construction

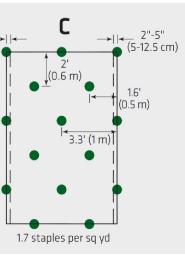
<u>E&amp;S Measure</u>	Inspection Frequency	Functioning Condition	Action Required	
Filter Sock	All E&S measures should be inspected on a daily basis.	Sock is capable of filtering runoff and installed where there is no concentration of runoff. All ends must be staked tight to each other. Construction equipment must be kept off the sock or additional sock must be installed downgradient.	Restake when required. Relocate where runoff concentrates too much over a portion of the sock run. Replace when the sock fill has decomposed to the point where it is ineffective in filtering runoff. An 18" diameter sock shall be used along the shoreline. A 10-12 inch sock shall be used at all other locations.	Draw
Haybales	All E&S measures should be inspected on a daily basis. Haybales are not called out to be used. However, in the event Filter Socks are unavailable, haybales shall be used in lieu of doing nothing.	Haybales must be staked tight to each other. Ends must be higher and, as with other E&S measures, runoff should never be concentrated	Restake when required. Relocate where runoff is concentrated too much over a portion of the haybale run. Replace when the hay has decomposed to the point where it is ineffective in filtering runoff.	<b>SLO</b> 1. P a 2. B a
Temporary Stockpiles	All E&S measures should be inspected on a daily basis.	A temporary stockpile is functioning when there is no dust blowing away and the filter sock, haybale, or siltfence, is functioning	All stockpiles stored and disturbed graded areas at 2 weeks age and are anticipated to remain unused for more than a month shall be seeded to establish vegetative cover.	n p s
Silt fence	All E&S measures should be inspected on a daily basis. Silt fence is not called out to be used. However, in the event a siltation barrier is needed and the material is not available, a silt fence should be used in lieu of doing nothing.	Silt fence is functioning when there is no concentration of runoff along the fence, the ends are higher in elevation to capture the runoff, there are no gaping holes in the fabric, and the bottom flap is secured in the ground	Any silt fence that requires replacing shall be replaced with 12" filter sock.	b a tl tl 12

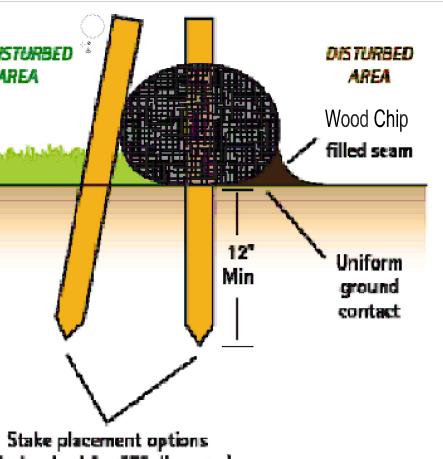
- Sock shall be placed as close to same elevation with only ends higher - The ground at the bottom of the sock shall be clear of all branches and
- Stakes shall be 2x2 nominal dimension and a minimum of 12" into the ground. They may be placed through the center of the sock or tilted upgradient and placed on the undisturbed side.
- On continuous runs the ends shall overlap tighly and butt together and staked one to two feet at both ends. Maximum stake interval is 10' oc.

DISTURBED AREA



## PLACEMENT OF A COMPOST FILTER SOCK



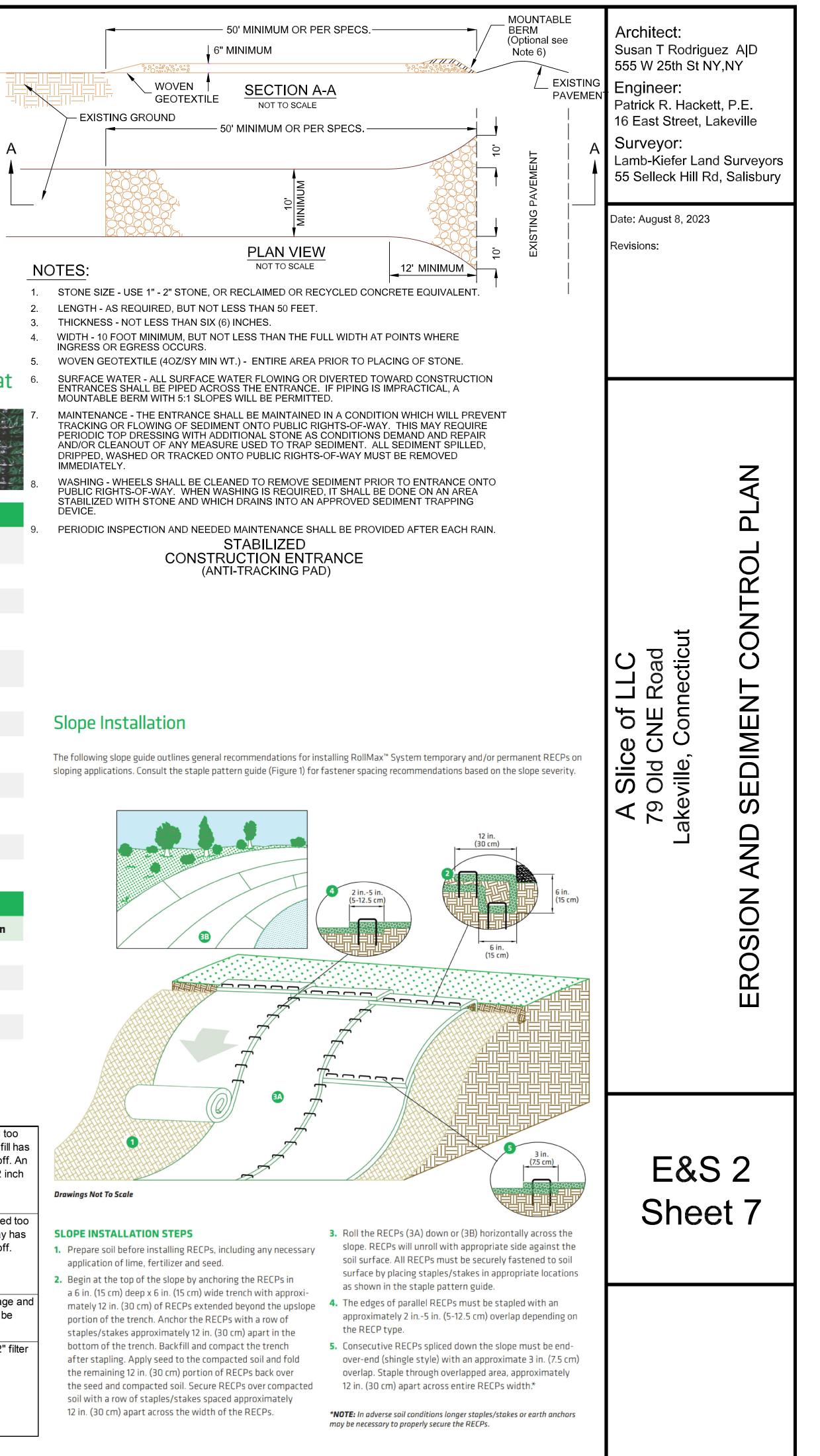


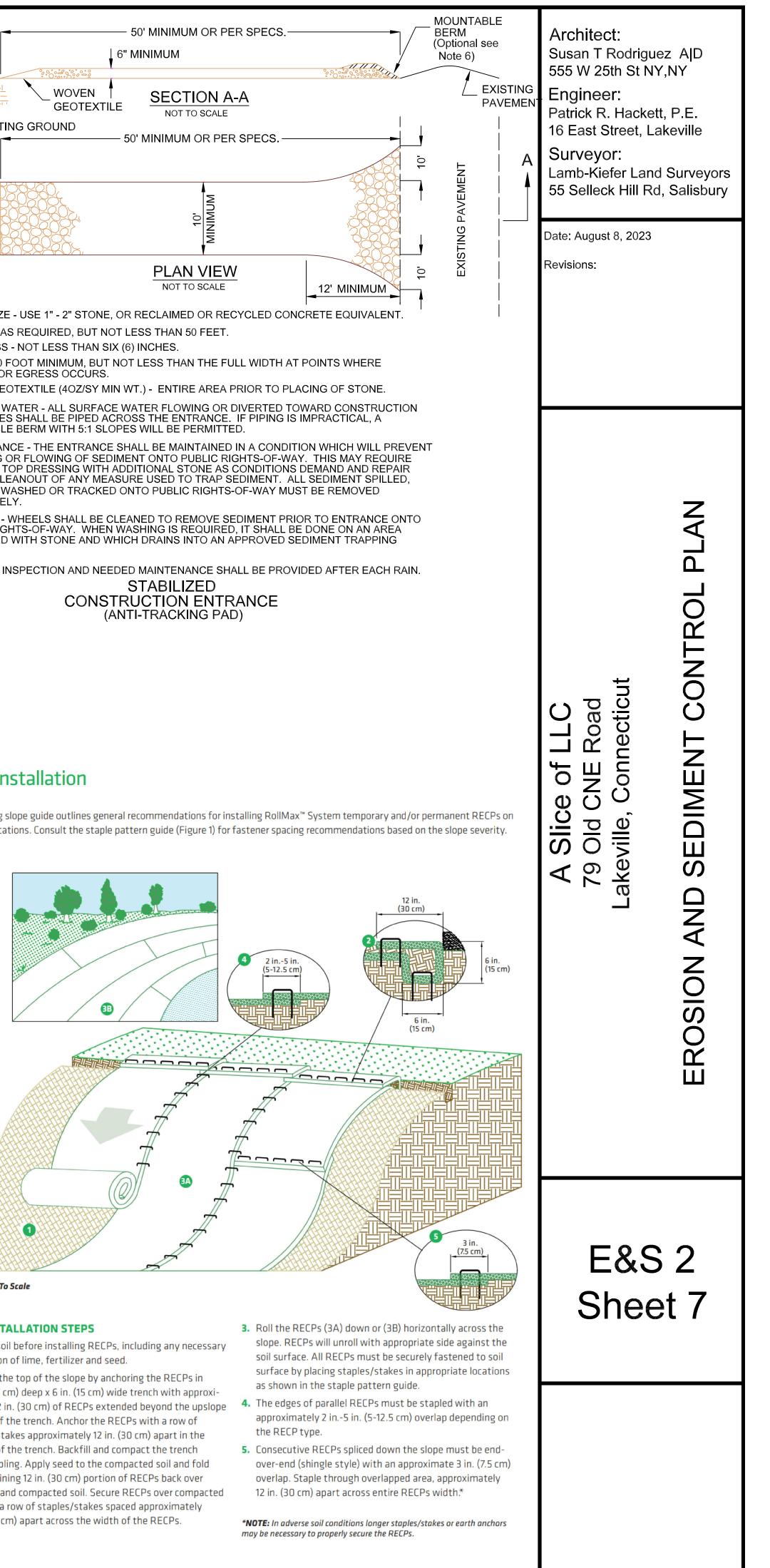
(Stake sized for CFS diameter)

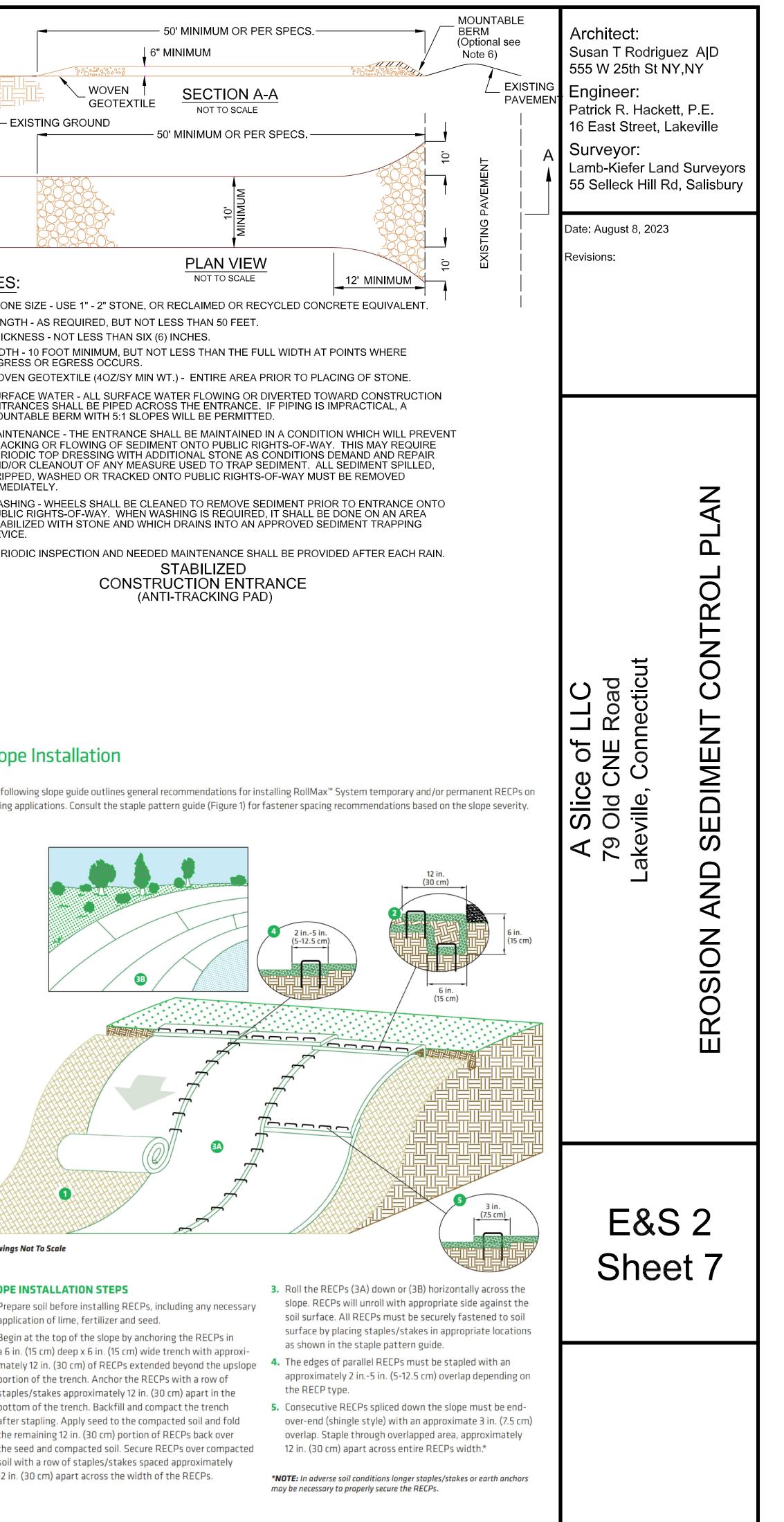
### VMax<sup>®</sup> P550<sup>®</sup> Turf Reinforcement Mat

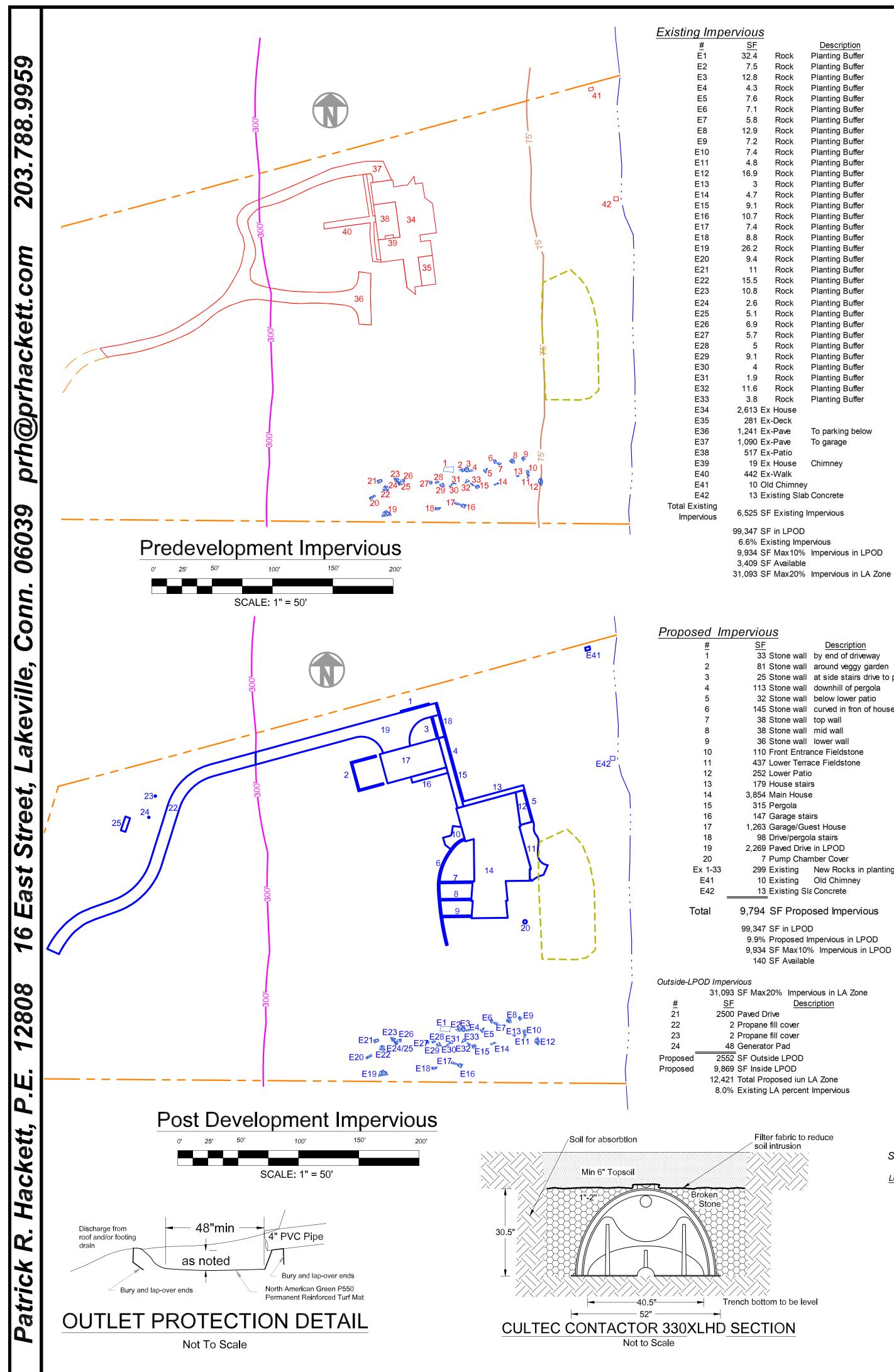
Index Property	Test Method	Typical
Thickness	ASTM D6525	0.63 in. (16 mm)
Resiliency	ASTM 6524	95%
Density	ASTM D792	0.91 g/cm³
Mass/Unit Area	ASTM 6566	21.0 oz/sy (712 g/sm)
UV Stability	ASTM D4355/ 1000 HR	90%
Porosity	ECTC Guidelines	96%
Light Penetration	ASTM D6567	10%
Tensile Strength – MD	ASTM D6818	1050 lbs/ft (15.5 kN/m)
Elongation - MD	ASTM D6818	25%
Tensile Strength – TD	ASTM D6818	1050 lbs/ft (15.5 kN/m)
Elongation - TD	ASTM D6818	20%
Biomass Improvement	ASTM D7322	400%

Design Permissible Shear Stress							
	Short Duration	Long Duration					
Phase 1: Unvegetated	4.0 psf (191 Pa)	3.3 psf (156 Pa)					
Phase 2: Partially Veg.	12 psf (576 Pa)	10 psf (576 Pa)					
Phase 3: Fully Veg.	16 psf (766 Pa)	12 psf (576 Pa)					
Unvegetated Velocity	12 fps (3.8 m/s)	10 fps (3.1 m/s)					
Vegetated Velocity	25 fps (7.6 m/s)	22 fps (6.7 m/s)					





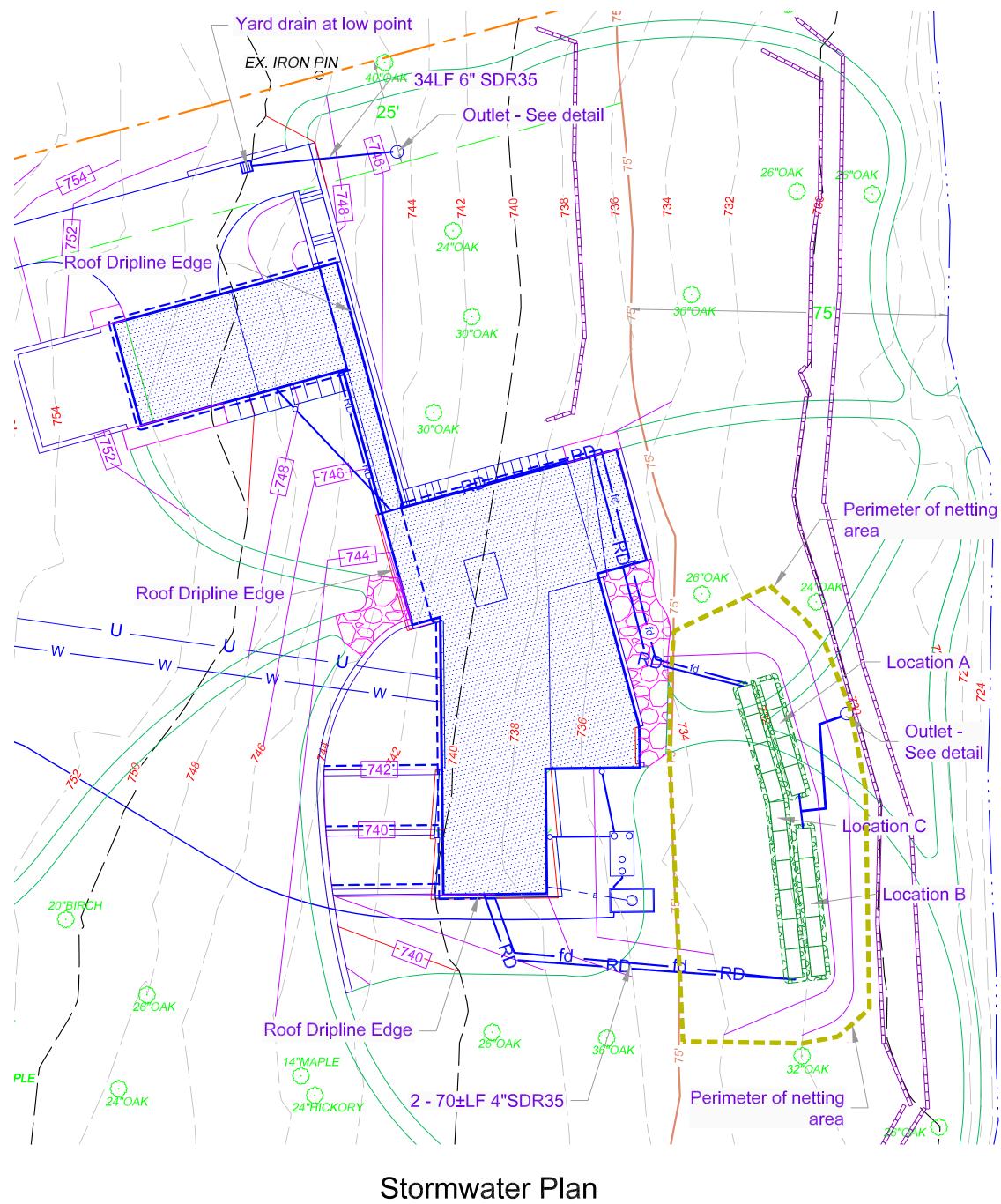




erviou	<u>s</u>	
SF		Description
32.4	Rock	Planting Buffer
7.5	Rock	Planting Buffer
12.8	Rock	Planting Buffer
4.3	Rock	Planting Buffer
7.6	Rock	Planting Buffer
7.1	Rock	Planting Buffer
5.8	Rock	Planting Buffer
12.9	Rock	Planting Buffer
7.2	Rock	Planting Buffer
7.4	Rock	Planting Buffer
4.8	Rock	Planting Buffer
16.9	Rock	Planting Buffer
3	Rock	Planting Buffer
4.7	Rock	Planting Buffer
9.1	Rock	Planting Buffer
10.7	Rock	Planting Buffer
7.4	Rock	Planting Buffer
8.8	Rock	Planting Buffer
26.2	Rock	Planting Buffer
9.4	Rock	Planting Buffer
11	Rock	Planting Buffer
15.5	Rock	Planting Buffer
10.8	Rock	Planting Buffer
		-
2.6	Rock	Planting Buffer
5.1	Rock	Planting Buffer
6.9	Rock	Planting Buffer
5.7	Rock	Planting Buffer
5	Rock	Planting Buffer
9.1	Rock	Planting Buffer
4	Rock	Planting Buffer
1.9	Rock	Planting Buffer
11.6	Rock	Planting Buffer
3.8	Rock	Planting Buffer
	Ex House	
	Ex-Deck	
	Ex-Pave	To parking below
	Ex-Pave	To garage
	Ex-Patio	
	Ex House	Chimney
	Ex-Walk	
	Old Chimney	
13	Existing Slab	Concrete
6,525	SF Existing I	mpervious
99 347	SF in LPOD	
	Existing Impe	ervious
		Impervious in LPOD
	SF Available	

$WQ_v = (1")(R_v)(A) / 12$							
$R_v = 0.05 + 0.009(I)$							
(Using LPOD Area)							
I <sub>predev</sub> = 6.57%							
I <sub>postdev</sub> = <b>9.86%</b>							
A <sub>predev</sub> = 2.281 acres							
A <sub>postdev</sub> = 2.281 acres							
PREDEV							
$R_v = 0.11$							
$WQ_v = 0.012$ acre-feet							
= 544 cf							
= 4,068 gallons							
POSTDEV							
$R_v = 0.14$							
$WQ_v = 0.026$ acre-feet							
= 1,148 cf							
= 8,592 gallons							
for Maximum 10% Impervious							
l <sub>postdev</sub> = 10.00%							
A postdev = 2.281 acres							
$R_v = 0.14$							
$WQ_v = 0.027$ acre-feet							
= 1,159 cf							
= 8,671 gallons							
Contactor 333XLHD Storage Calculations Length, L = 8.5 Feet Width = 52 Inches Height = 30.5 Inches CF/LF = 7.46 CF/LF Installed L = 7 Feet # of Units = 19 Total Length = 133 Feet Width of Stone = 12 Inches Width Total Proposed = 6.33 feet Porosity Unifom Stone, n = 0.4 Volume Provided							
From Units 992 CF From Stone 498 CF Total Filter Storage Provided = 1,490 CF							

Water Quality Volume



### SF

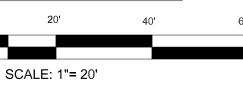
SF		Description
33	Stone wall	by end of driveway
81	Stone wall	around veggy garden
25	Stone wall	at side stairs drive to pergola
113	Stone wall	downhill of pergola
32	Stone wall	below lower patio
145	Stone wall	curved in fron of house
38	Stone wall	top wall
38	Stone wall	mid wall
36	Stone wall	lower wall
110	Front Entra	nce Fieldstone
		ce Fieldstone
252	Lower Patio	
179	House stain	S
3,854	Main House	9
	Pergola	
	Garage stai	
1,263	Garage/Gue	est House
	Drive/pergol	
	Paved Drive	
	Pump Chan	
	-	New Rocks in planting
	•	Old Chimney
13	Existing Sla	Concrete
0 704		
9,794	SF Plopo	sed Impervious
99,347	SF in LPOD	)
9.9%	Proposed In	npervious in LPOD
9,934	SF Max10%	6 Impervious in LPOD
140	SF Available	e

Description

- 2500 Paved Drive
- 2 Propane fill cover
- 2 Propane fill cover
- 48 Generator Pad
- 2552 SF Outside LPOD 9,869 SF Inside LPOD
- 12,421 Total Proposed iun LA Zone
- 8.0% Existing LA percent Impervious

### Filter fabric to reduce soil intrusion

Stora	Storage per Location								
			Unit	Unit	Unit	Total	Unit	Stone	Location
Locati	on	#	<u>L Avg</u>	Length	height	Volume	Volume	Volume	Volume
	Α	4	7	28	2.54	483	209	110	318
	В	5	7	35	2.54	596	261	134	395
	С	10	7	70	2.54	1,159	522	255	777
						Volume	992	498	



20'

555 W 2 Engine Patrick F 16 East S Survey Lamb-Ki	Rodriguez 5th St NY, er: A Hackett, Street, Lak or: efer Land S ck Hill Rd, st 8, 2023	P.E. eville Surveyors Salisbury
S	SWF	

# Michael Trapp, Inc.

					1	4	
	GARDEN		Comptonia peregrina	proposed size 1 gal		ORCHARD	
	135 3 6	Sweet Fern Mountain Witch-alder (Fothergilla) Dwarf Fothergilla	Fothergilla major Fothergilla gardenii	3' - 4' 6 gal		13 Apple (mixed varieties) 7 Pear (mixed varieties)	
	15 9	Inkberry Winterberry	llex glabra Ilex verticillata	10 gal 3' - 4'		7 Peach	
	5	Shadblow Serviceberry River Birch	Amelanchier canadensis Betula nigra	6' - 7' 12' - 14'		"GREEN ROOF" Sedum Roof Panels	
	GARDEN		betala ingra			COMPONENTS TO VEGETATIVE BUFFE	
	3	River Birch	Betula nigra Cornus florida	10'-12'/12'-14' 3.5" -4" c.	i	*the following will be added to the exist form of plugs - approx 275 plugs of each	n plant will be adde
	3 8	Flowering Dogwood Viburnum spec.	Viburnum (plicatum f. tomentosum/ rhytidophylum)	5' - 6'/ 6'-7' 3' - 4'	i	and planted in small groups of like spec	ies.
16	5 9	Mountain Witch-alder (Fothergilla) Dwarf Fothergilla	Fothergilla major Fothergilla gardenii	6 gal 10 gal	j	<ul><li>275 Little Bluestem</li><li>275 Switch Grass</li></ul>	
	11 45	Inkberry Christmas Fern	Ilex glabra Polystrichum acrostichoides	1 gal	1	275 Indian Grass 275 Pennsylvania Sedge	
	65 65	Lady Fern Sweet Fern	Athyyrium filix-femina Comptonia peregrina	1 gal 1 gal 10' - 12'	1	<ul><li>275 White Wood Aster</li><li>275 Calico Aster</li></ul>	
	3	Eastern White Pine	Pinus strobus	10 - 12		<ul><li>275 Heatleaved Aster</li><li>275 White Snakeroot</li></ul>	
	GARDEN 3	Shadblow Serviceberry	Amelanchier canadensis	7' - 8'	/		
	3 3	River Birch Flowering Dogwood	Betula nigra Cornus florida	10'-12'/12'-14' 3.5" - 4" c.	!		
	18 15	Dwarf Fothergilla Viburnum spec.	Fothergilla gardenii Viburnum (plicatum f. tomentosum & rhytidophylum)	6 gal 4' - 5'/ 6' -7'	1		
	15 26	Blueberry (High Bush/Low Bush) Creeping Juniper	Vaccinium angustifolium/ corymbosum Juniperus horizontalis	3' - 4' 3 gal	1		
	75 55	Cinnamon Fern Lady Fern	Osmunda cinnamomea Athyyrium filix-femina	2 gal 1 gal	1		
	68 100	Sweet Fern Mixed Grasses	Comptonia peregrina Pennisetum/Muhlenbergia/Hackonechloa	1 gal 3 gal	i		
	100		carex/ Miscanthus/Calamagrostis/Sergastrum		i		
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### GOTTESMAN RESIDENCE 79 Old CNE Road Lakeville, CT D6039

Architect Susan T Rodnguez | Architecture - Design PLLC 555 West 25th Street New York, NY 10001-5542 212,463.9021 lei www.str-architecture.com

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Surveyor Lamb Kiefer Land Surveyors 55 Selleck Hill Road #A Salisbury, CT 06068 860.435.7044 tel

Architect

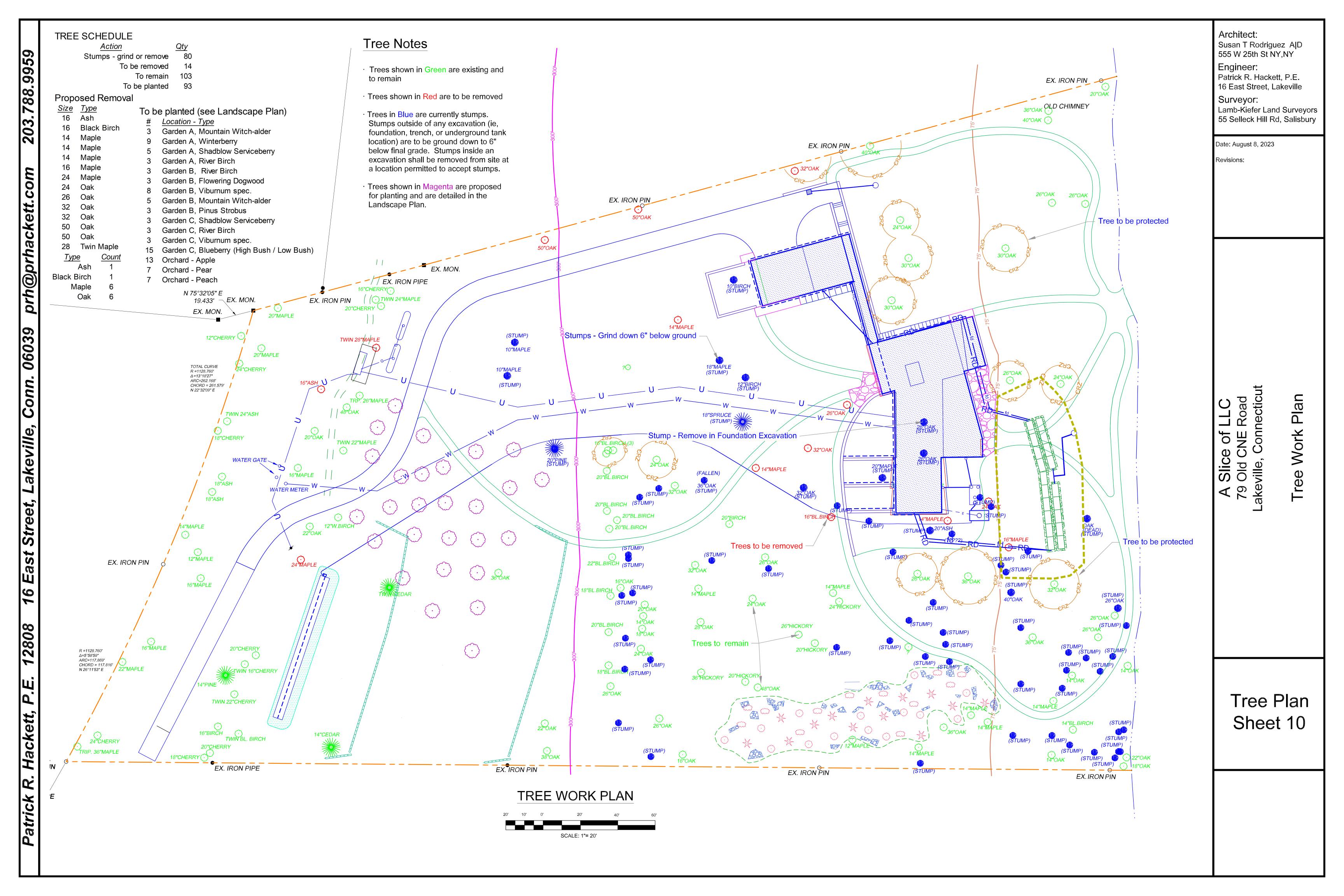
Seal

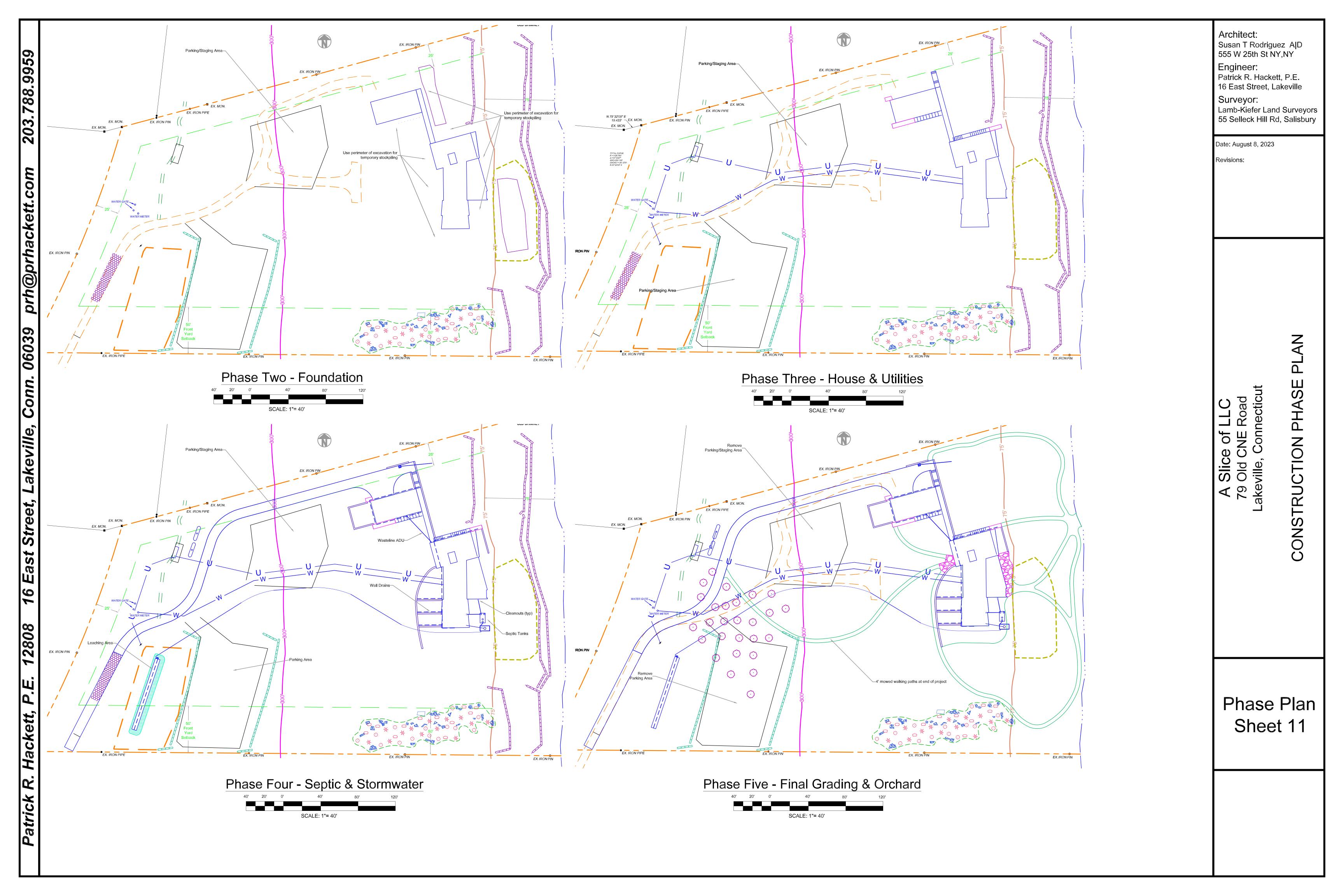
SUSAN T RODRIGUEZ

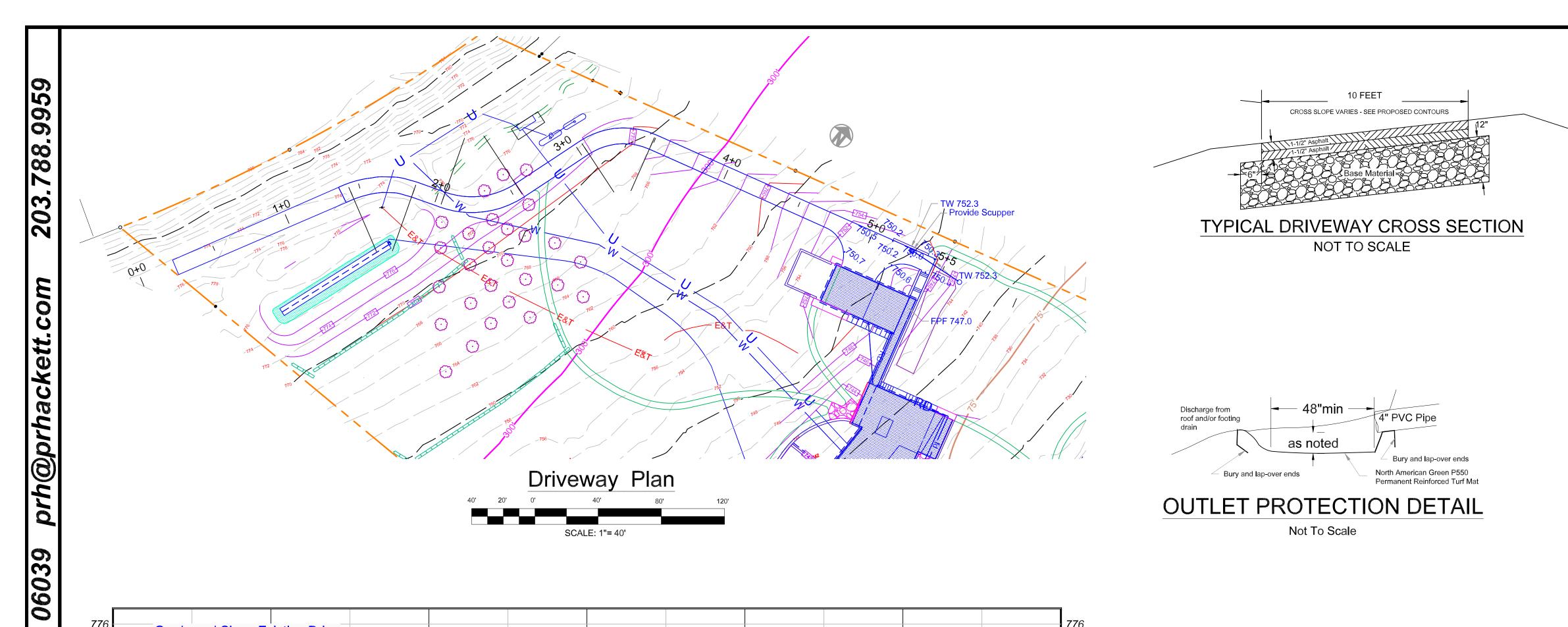
ARCHITECTURE . DESIGN

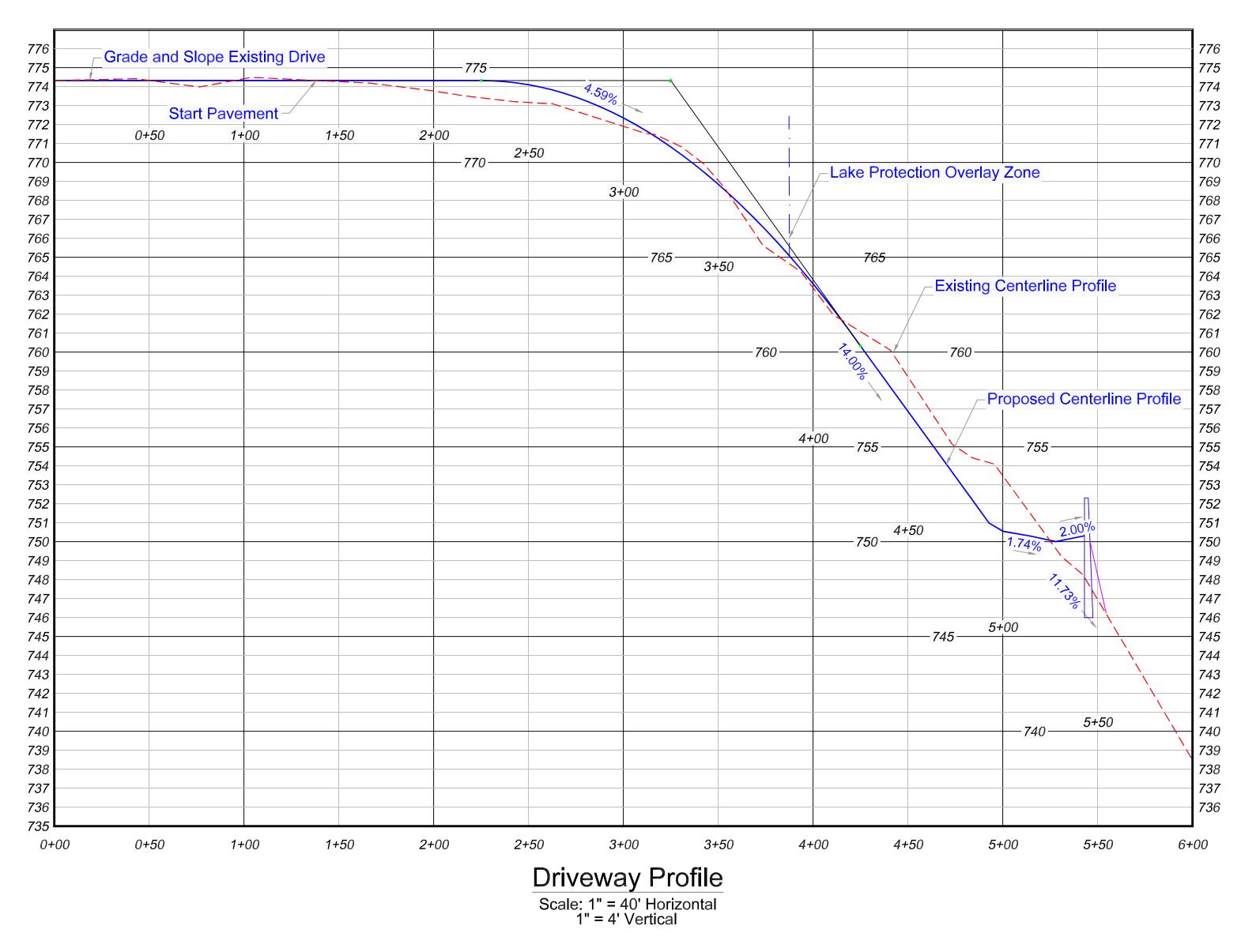
555 West 25th Street New York, NY 10001-5542 212,463.9021 tel www.str-architecture.com

No. Issue Name	Date
August 8, 2023	Date
Date 1" = 20' Scale	Project Numbe 2200
Landscape Sheet Title	e Plan
9	
Sheet No. NO	FOR CONSTRUCTION









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Street,

East

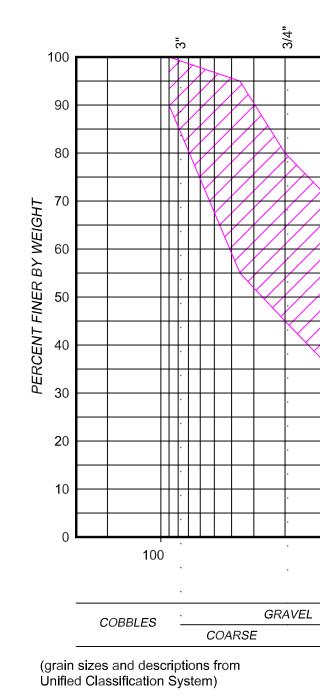
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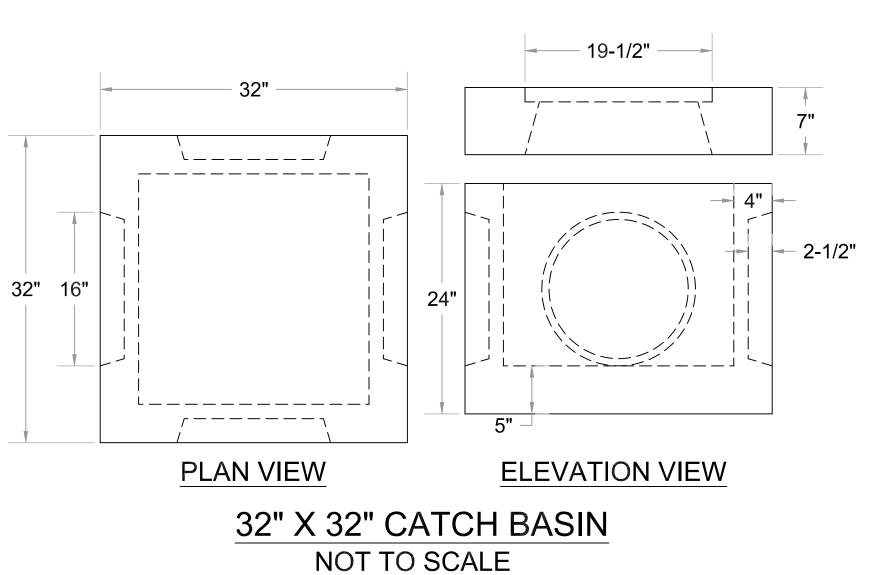
12808

P.E.

Hackett,

Patrick R.





### DRIVEWAY CONSTRUCTION NOTES

### GENERAL NOTES

All Driveway work shall conform to the Town of Salisbury's regulations and these plans. Material and construction methods shall conform to the State of Connectiut, Department of Transportation, "Standard Specification for Roads, Bridges and Incidental Construction" Form 817, latest revision.

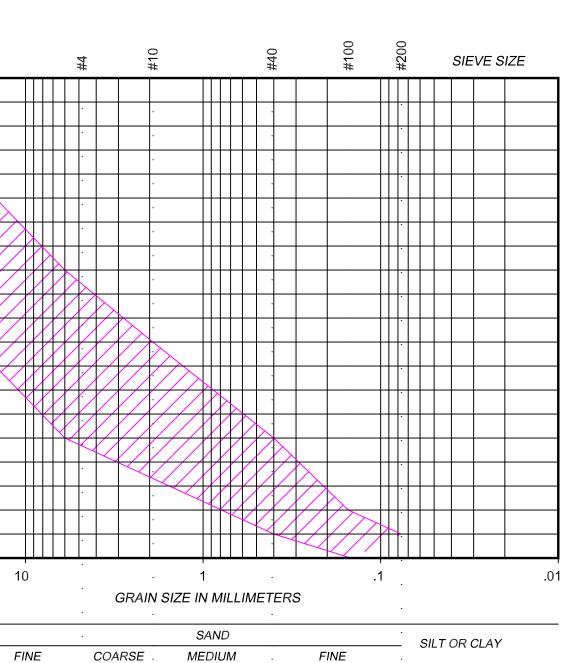
PREPARATION OF SUBGRADE

The subgrade shall be prepared as follows:

A. All trees and roots shall be stripped to below subbase course elevation for the width of the travel lane and shoulders. All soft spots, peat, loam, organic material, spongy soil, boulders, ledge and other unsuitable material shall be removed and replaced with material conforming to section M.02.07 - " Free Draining Material", Form 816. Where ledge is encountered, it shall be removed to a depth of 18" below subgrade, and the area filled with gravel or crushed stone.

B. Embankments shall be constructed of suitable fill material deposited in successive layers not exceeding 12 inches in depth after compaction. Embankments over 3 feet above free water surface shall be constructed of rock and/or free draining material conforming to section M.02.07 of Form 816. No stone over five (5) inches in the greatest diameter shall be placed within18 inches of the subgrade/subbase interface.

C. The subgrade shall be compacted by the use of tread type equipment, or power rollers of at least 16 tons, or by other means approved by the engineer and any town agency permitting the work. The subgrade shall be brought to a uniform surface to conform to the shape of the required cross section.



D. Where rock fill is used, fill shall be installed in lifts no greater than three (3) feet to the desired subgrade depth.

**GRAVEL BASE SIZE RANGE** 

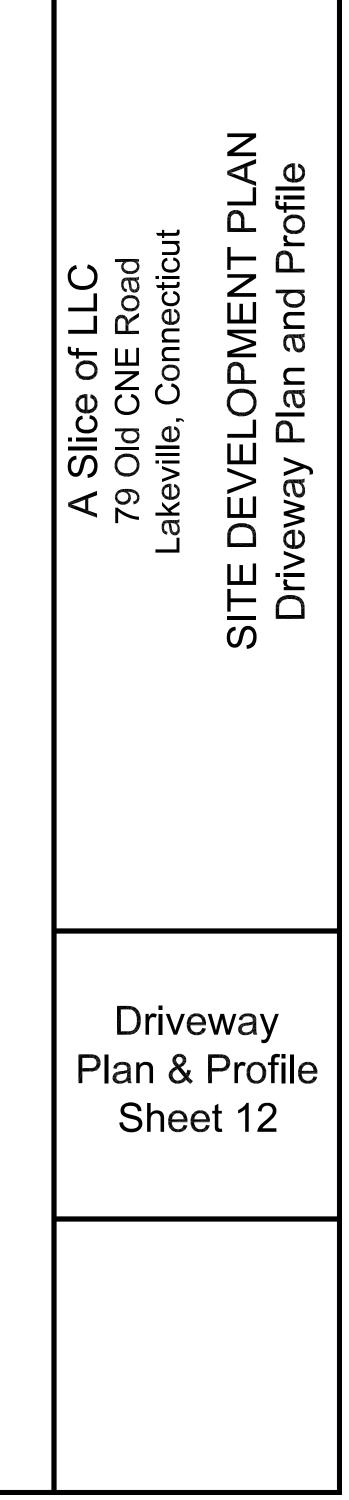
Architect: Susan T Rodriguez AID 555 W 25th St NY,NY

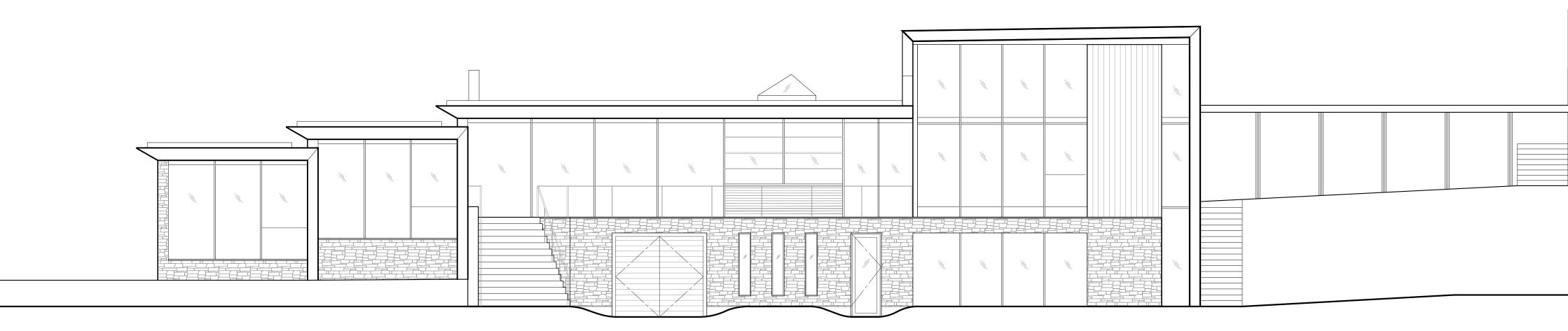
Engineer: Patrick R. Hackett, P.E. 16 East Street, Lakeville

Surveyor: Lamb-Kiefer Land Surveyors 55 Selleck Hill Rd, Salisbury

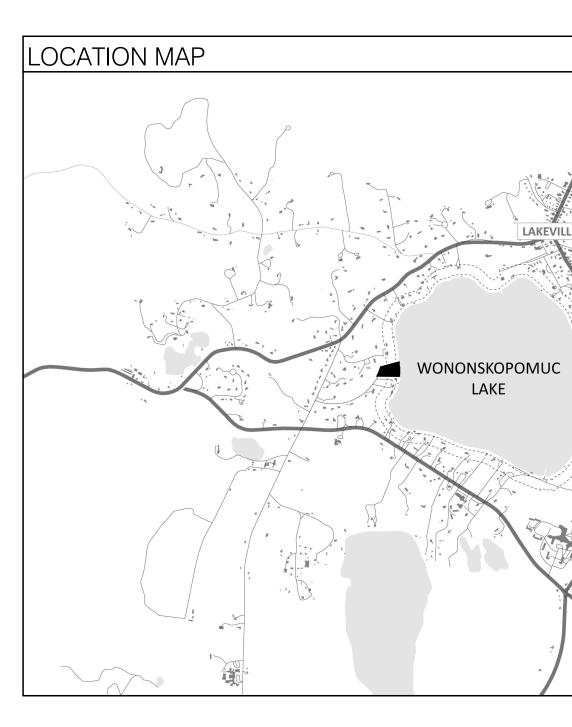
Date: August 8, 2023

Revisions:





VIEW OF EAST ELEVATION



LIST OF ARCHITECTURAL DR				
SHEET	DESCRIPTION			
	ARCHITECTURAL: SUSAN T RODRIGUEZ			
A000	COVER SHEET			
A100	FIRST FLOOR PLAN			
A101	LOWER LEVEL FLOOR PLAN			
A102	ROOF PLAN			
A200	EXTERIOR ELEVATIONS AND SECTIONS			
A201	EXTERIOR ELEVATIONS AND SECTIONS			

## GOTTESMAN RESIDENCE

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Seal

Architect

### SUSAN T RODRIGUEZ

ARCHITECTURE • DESIGN

555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

No. Issue Name	Date

NOT TO SCALE

07.17.2023

Date

Scale

Sheet Title

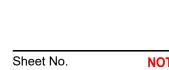
Project Number

2203

RAWINGS 07.17.2023 EZ | ARCHITECTURE • DESIGN Х Х Х Х Х Х

LAKEVILLE

LAKE



**COVER SHEET** 





### Z A100

Sheet No.

NOT FOR CONSTRUCTION

### FIRST FLOOR PLAN

07.17.2023 Scale 1/8" = 1'-0" Sheet Title

Date

Project Number 2203

No. Issue Name

Date

555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

ARCHITECTURE • DESIGN

SUSAN T RODRIGUEZ

Architect

Seal

43'-8"

21

**Surveyor** Lamb Kiefer Land Surveyors 55 Selleck Hill Road #A Salisbury, CT 06068 860.435.7044 tel

**Civil Engineer** Patrick R. Hackett, P.E. 16 East Street Lakeville, CT 06039 203.788.9959 tel

**Landscape Design** Michael Trapp, Inc. 7 River Road West Cornwall, CT 06796 860.672.6098 tel www.michaeltrapp.com

Architect

prhackett.com Structural Engineer

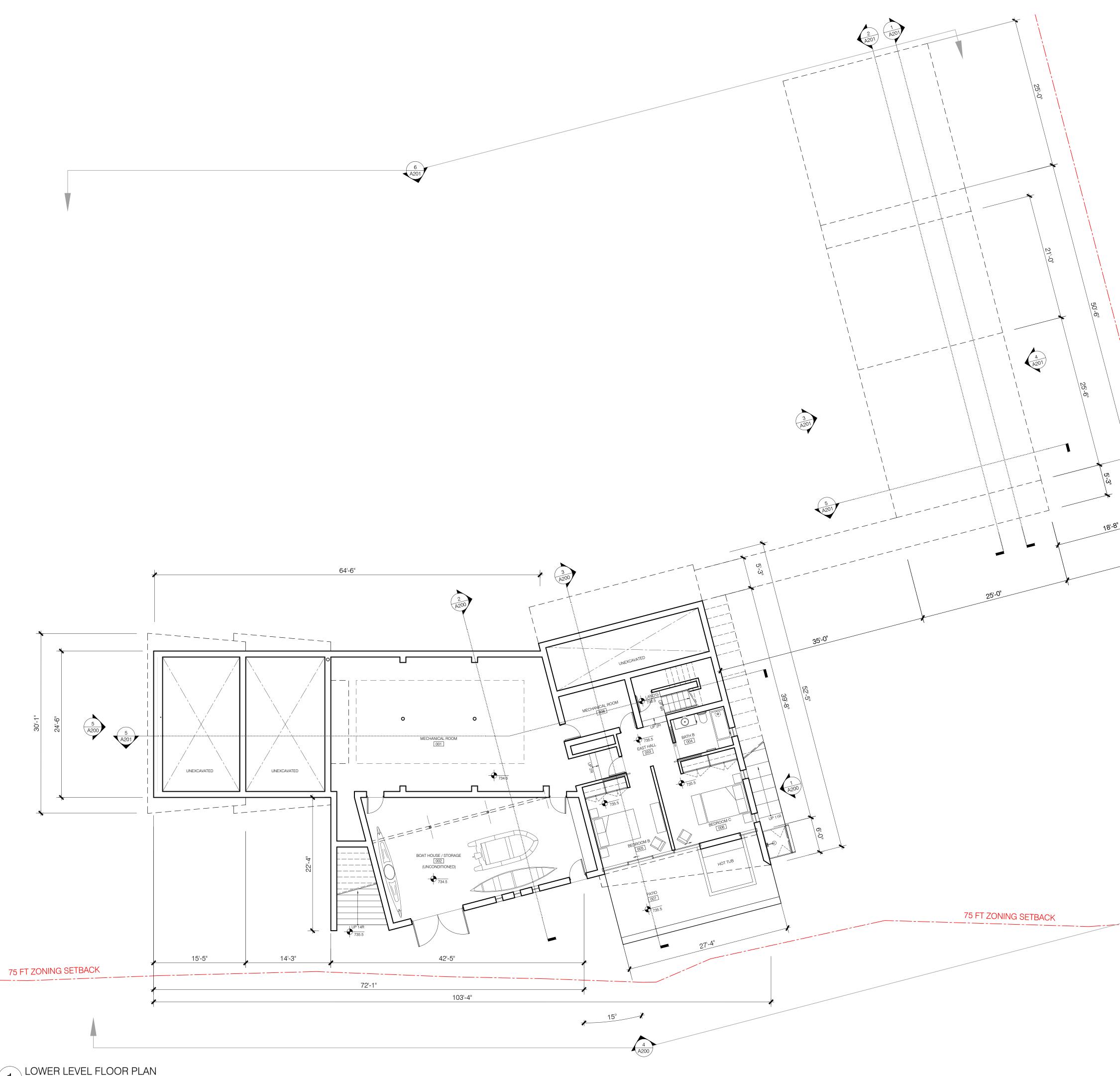
Silman 32 Old Slip New York, NY 10005

212.620.7973 tel www.silman.com

MEP Consultant Polise Consulting Engineers DPC 133 W 19th Street New York, NY 10011 212.645.1002 tel www.polisece.com

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### GOTTESMAN RESIDENCE

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MEP Consultant Polise Consulting Engineers DPC 133 W 19th Street New York, NY 10011 212.645.1002 tel www.polisece.com

**Surveyor** Lamb Kiefer Land Surveyors 55 Selleck Hill Road #A Salisbury, CT 06068 860.435.7044 tel

Seal

43'-8"

밀

Architect

SUSAN T RODRIGUEZ

555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

ARCHITECTURE • DESIGN

NOT FOR CONSTRUCTION

1/8" = 1'-0" Sheet Title LOWER LEVEL FLOOR

Project Number 2203

Date

No. Issue Name

Date

07.17.2023 Scale

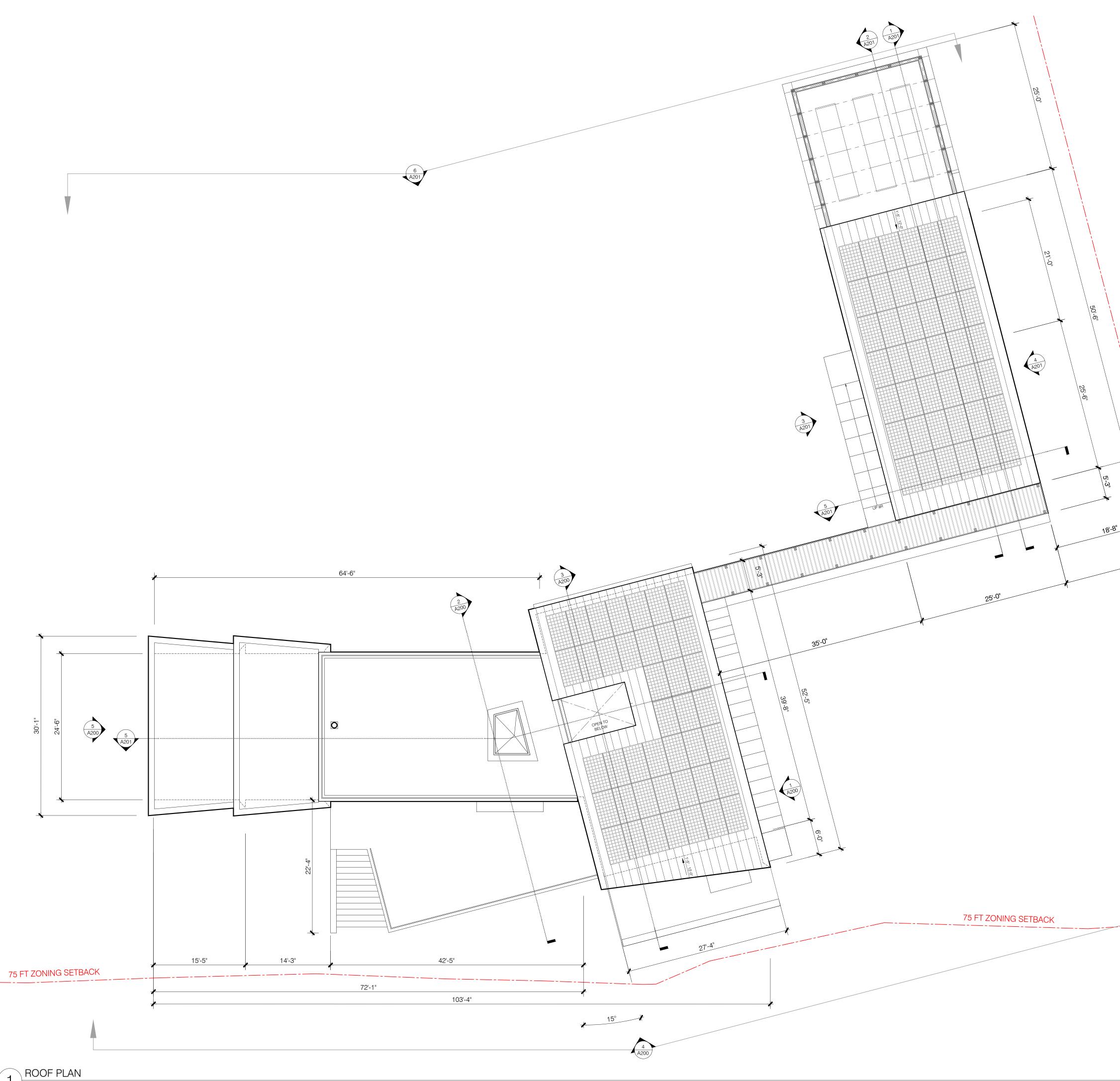
PLAN

Sheet No.

A101

Z





### GOTTESMAN RESIDENCE

79 Old CNE Road Lakeville, CT 06039

Architect Architect Susan T Rodriguez | Architecture • Design PLLC 555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

**Landscape Design** Michael Trapp, Inc. 7 River Road West Cornwall, CT 06796 860.672.6098 tel www.michaeltrapp.com

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MEP Consultant Polise Consulting Engineers DPC 133 W 19th Street New York, NY 10011 212.645.1002 tel www.polisece.com

**Surveyor** Lamb Kiefer Land Surveyors 55 Selleck Hill Road #A Salisbury, CT 06068 860.435.7044 tel

Seal

43'-8"

21

No. Issue Name

07.17.2023

1/8" = 1'-0"

**ROOF PLAN** 

Sheet Title

Sheet No.

A102

Z

Date

Scale

SUSAN T RODRIGUEZ

ARCHITECTURE • DESIGN

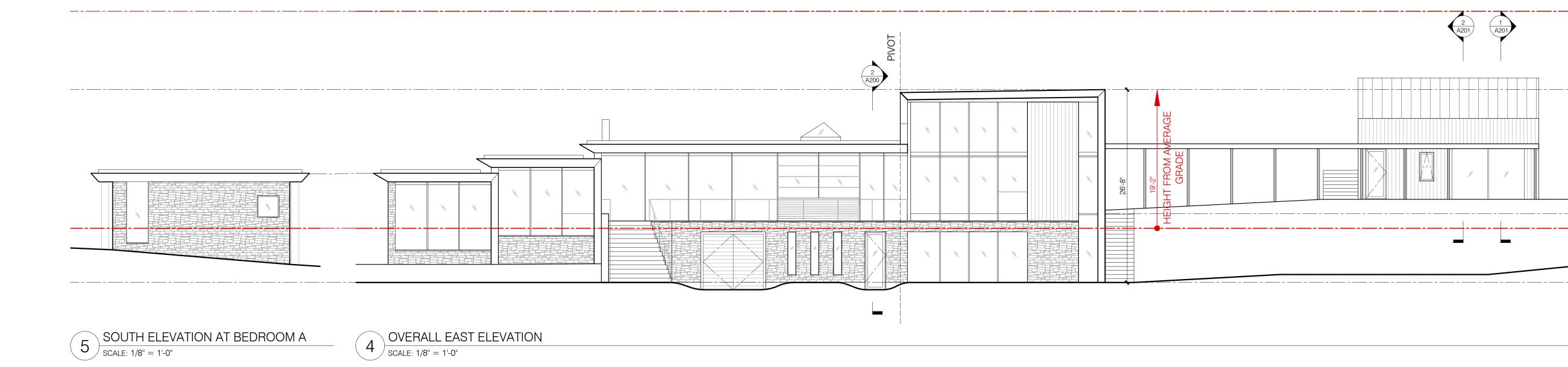
555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

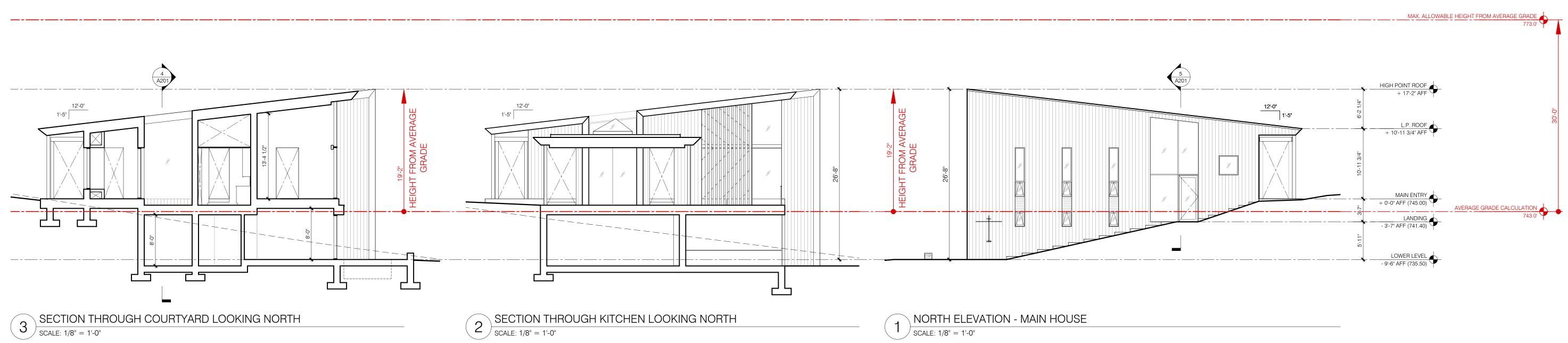
Architect

Date

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2203





### GOTTESMAN RESIDENCE

79 Old CNE Road Lakeville, CT 06039

Architect Susan T Rodriguez | Architecture • Design PLLC 555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

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Structural Engineer Silman 32 Old Slip New York, NY 10005 212.620.7973 tel www.silman.com

MAX. ALLOWABLE HEIGHT FROM AVERAGE GRADE

AVERAGE GRADE CALCULATION 743.0

HIGH POINT ROOF + 17'-2" AFF

T.O. FLAT ROOF + 9'-7 1/4" AFF

GUEST HOUSE + 2'-0" AFF (747.00) MAIN ENTRY + 0'-0" AFF (745.00)

\_\_\_\_\_

BEDROOM A - 5'-0" AFF (740.00)

LOWER LEVEL - 9'-6" AFF (735.50)

MEP Consultant Polise Consulting Engineers DPC 133 W 19th Street New York, NY 10011 212.645.1002 tel www.polisece.com

Surveyor Lamb Kiefer Land Surveyors 55 Selleck Hill Road #A Salisbury, CT 06068 860.435.7044 tel

Seal

Architect

### SUSAN T RODRIGUEZ

ARCHITECTURE • DESIGN

555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

Date

Project Number 2203

07.17.2023 Scale 1/8" = 1'-0" Sheet Title

No. Issue Name

Date

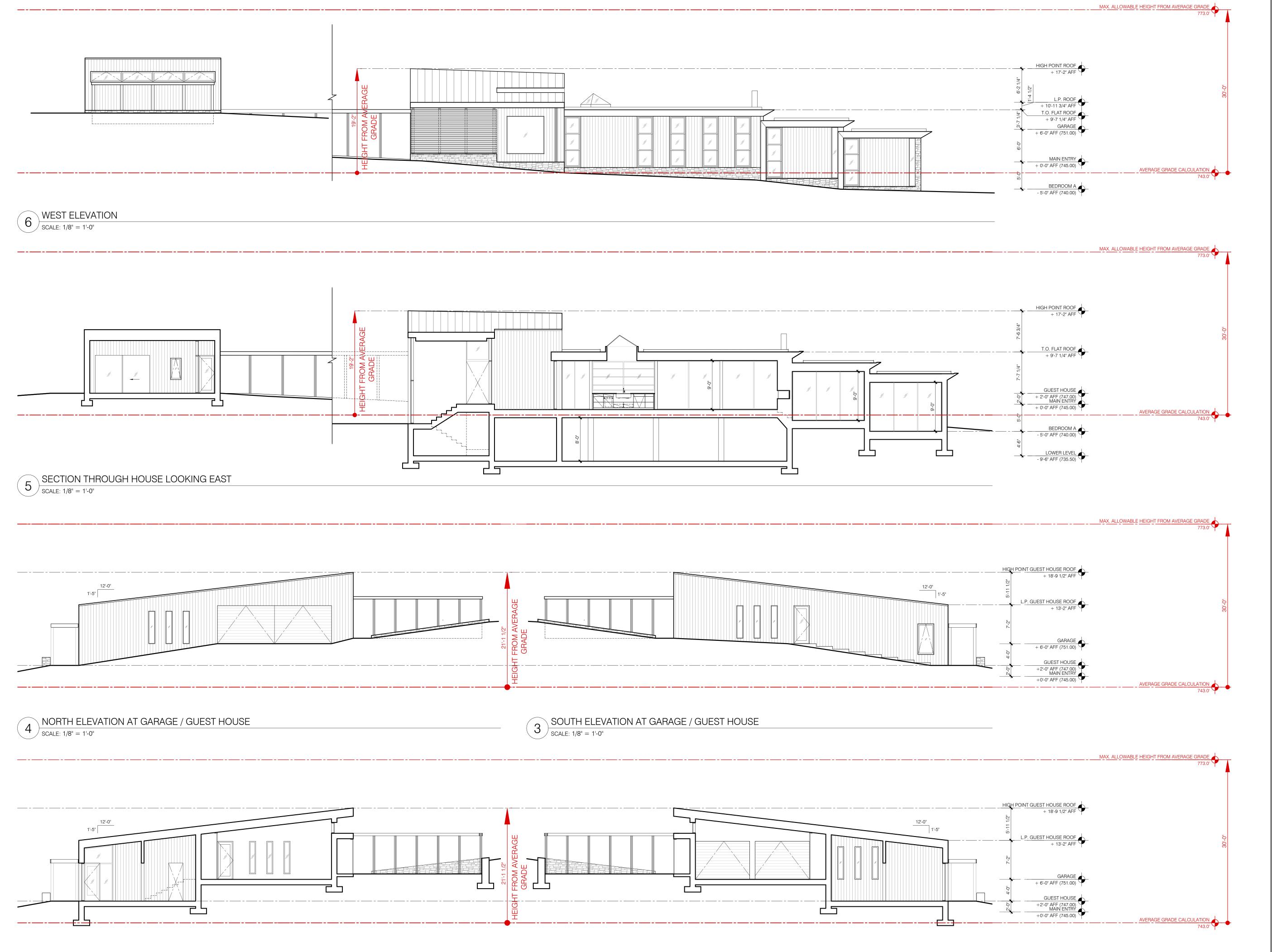
EXTERIOR

**ELEVATIONS AND** SECTIONS

Sheet No.

NOT FOR CONSTRUCTION





2 SECTION THROUGH GARAGE / GUEST HOUSE LOOKING SOUTH SCALE: 1/8" = 1'-0"

1 SECTION AT GARAGE / GUEST HOUSE LOOKING NORTH SCALE: 1/8" = 1'-0"



Lakeville, CT 06039

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Seal

Architect

### SUSAN T RODRIGUEZ

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555 West 25th Street New York, NY 10001-5542 212.463.9021 tel www.str-architecture.com

No. Issue Name

Date

Project Number 2203

07.17.2023 Scale 1/8" = 1'-0" Sheet Title

Date

Sheet Title

EXTERIOR ELEVATIONS AND SECTIONS

Sheet No.

A201

NOT FOR CONSTRUCTION

3	Torrington A 50 Main St Suite					
Permit #						
T A H D Is A Equal Opportunity Provider						
17396	-	Review F				
	Subsurface Sew	age Dispo	osal System			
79 Old C N		oury				
Lot # Street # Street Na	ame Town		Subdivision			
A Slice Of Llc, C / O	P O Box 1045		Canaan	<u>Ct.</u>	06018	
Owner 860-824-5146	Owner A	Address	Town	State	Zip	
Owner Telephone	· · · · · · · · · · · · · · · · · · ·	Agent's Na	me		<del></del> ,	
Patrick R. Hackett, P E	E					
Engineer	Engineer Addres	S	Town	State	Zip	
This Approval Indi	cates That The Pro	oposal Has	Been Reviewed B	y The Hea	alth District	
And Is In Complia Code For This Pro	nce With Applicabl	e Regulatio	ns As Contained I	n The Put	olic Health	
Plan Date: July 19	9, 2023 P	lan prepare	d by Patrick Hack	ett		
Plan Approval Da		•••	# Of Bedroom			
Geomatrix 6218	2000		120	80'		
Septic System Type	Tank Size	]			ptic System	
Approved	Plan Revision Rec	uired	Required (2) Perk Tests In Fil	Not Requi	ired er	
This Is Not A Permit To Const The Licensed Septic System Ins Conditions As Shown On This Fo	taller Prior To Actual C	onstruction.	This Plan Approval Is	Subject To	uct Will Be Is Specific And	sued To General
<ul> <li>Engineer Design</li> <li>Percolation Test In Fi</li> <li>Engineer As Built Red</li> <li>Field Staking By Engineer</li> </ul>	quired 🛛 Engineer	rain Supervision	As Below In Place Sieve Low Flow Wate			
A CENTRAL SYSTEM VARIANO 1) House and septic system to b 2) System to be installed when s 3) Existing E & T lines to be aba 25' of the leach field. If FDM wa 4) Installer to submit a recent side 5) Installer to contact T.A.H.d. for 6)No footing drains within 25' of back filling. 7) Benchmark to be set by the d 8)Final walk through required.	e field staked by the d soil moisture is low, ndoned per engineer. s used within 25' of the eve analysis to T.A.H.E or scarification inspection the septic tank and pu	esign enginee Verify no free e leach field, ro ), for C-33 ma on prior to plac mp chamber.	r or surveyor. draining material was emove and replace wi terial prior to placeme cement of fill. P.E. to do as-built of	s used for b ith NON FD ent.	M.	



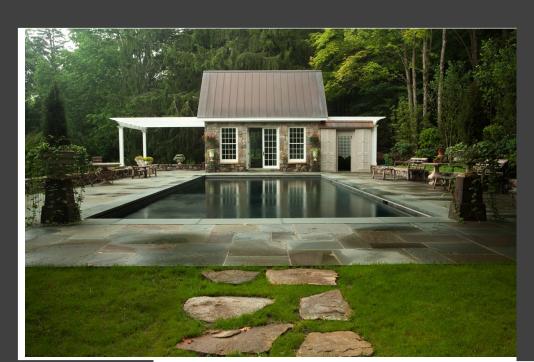
### EXAMPLES OF FIELDSTONE TERRACES

proposed for an area on the side of the house facing the lake, as well as at the front entrance

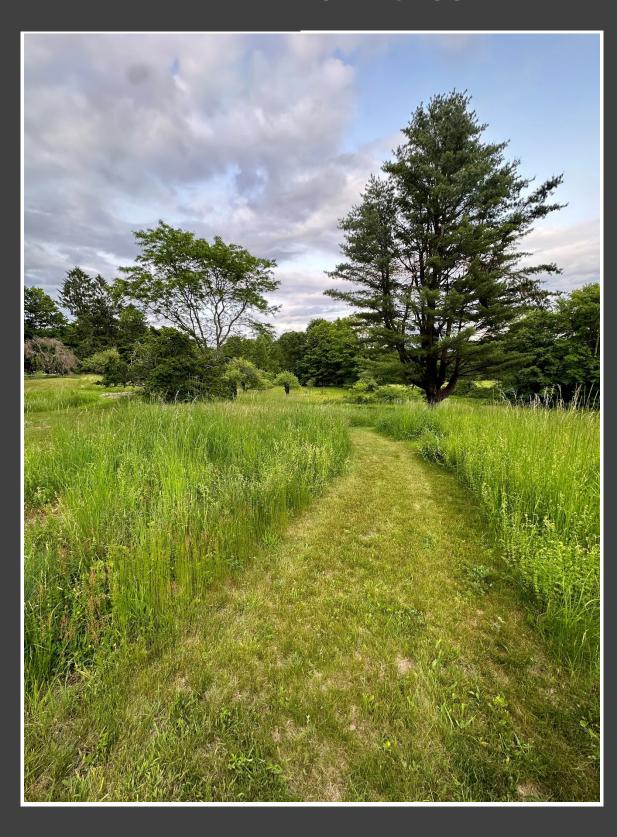




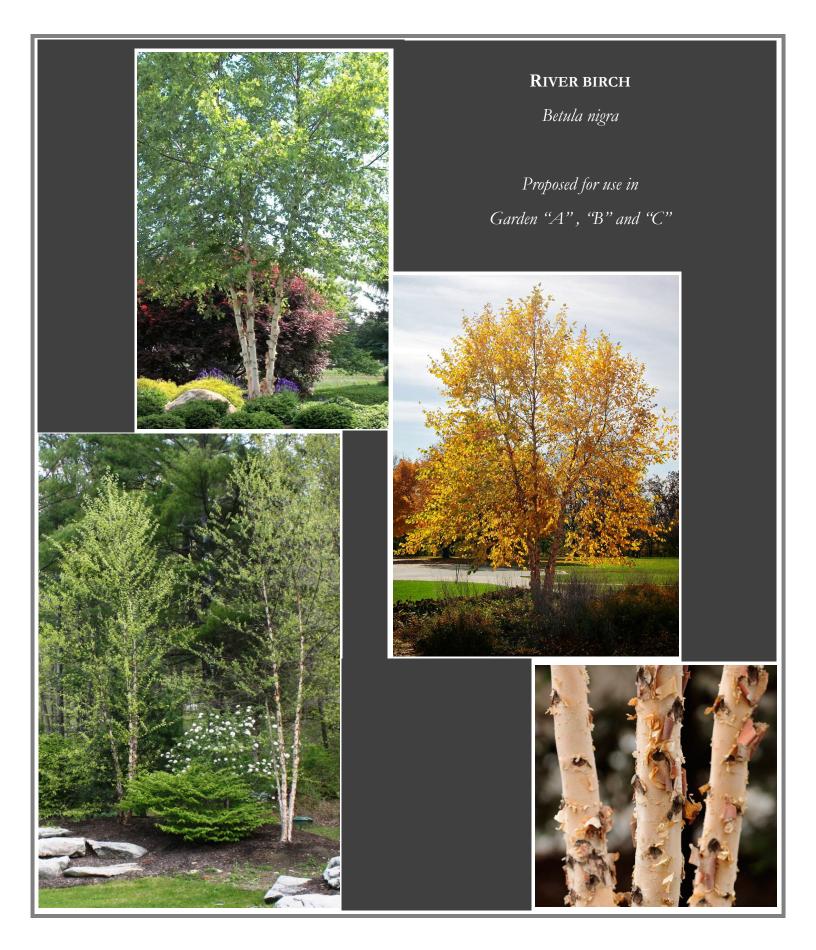
to be used from the drive to the house- and from the house to the lake along the right side of the property







**MOWED PATHS** – to be used as paths through the proposed "Meadow"



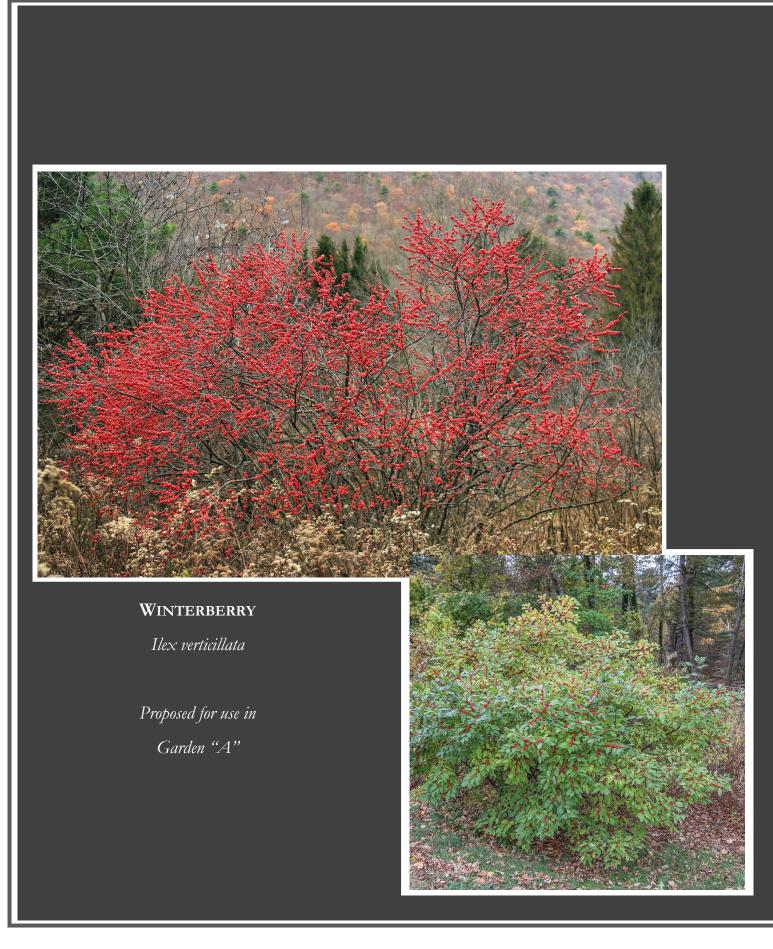
### SHADBLOW SERVICEBERRY

Amelanchier canadensis

Proposed for use in Garden "A" and Garden "C"





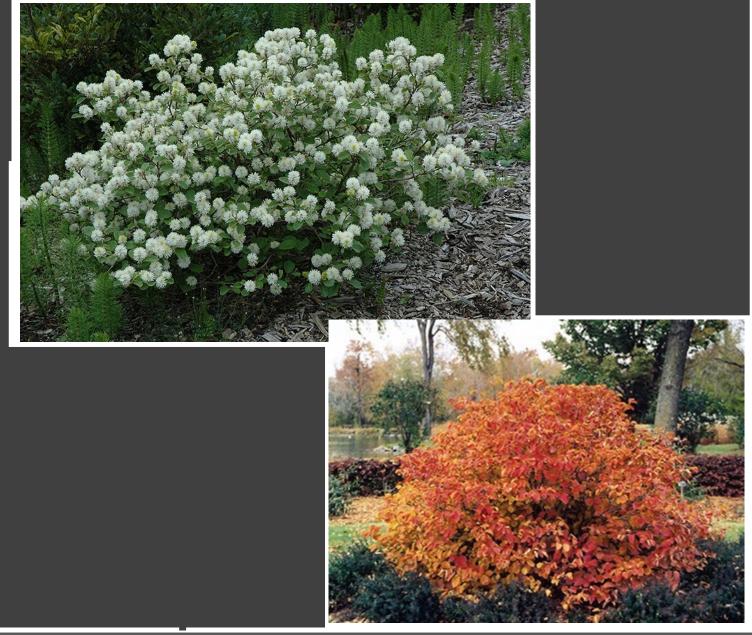




### MOUNTAIN WITCH-ALDER (FOTHERGILLA)

Fothergilla major

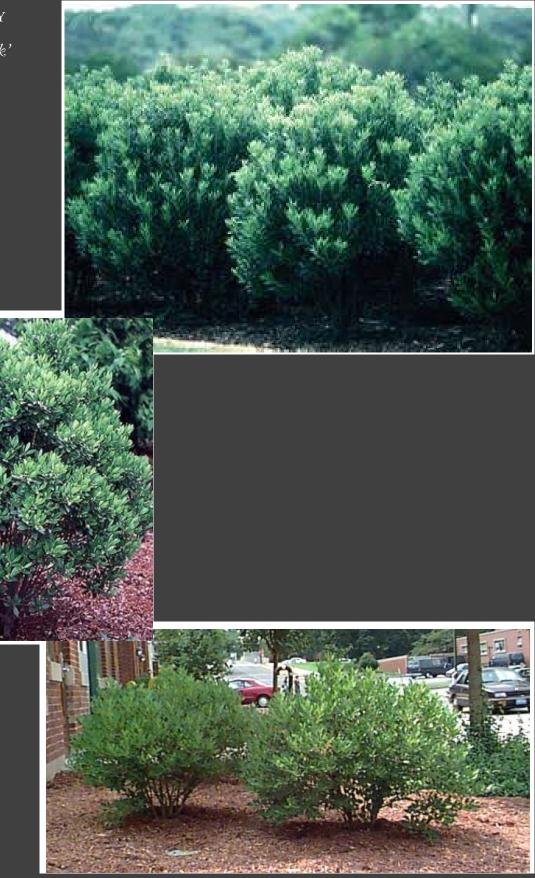
Proposed for use in Garden "A" Garden "B"



### INKBERRY HOLLY

Ilex glabra 'Shamrock'

Proposed for Garden "A" And Garden "B"





#### SWEET FERN

Comptonia peregrina

Proposed for use in Garden "A" Garden "B" And Garden "C"



# Flowering Dogwood

Proposed for planting in Garden "B" and "C"



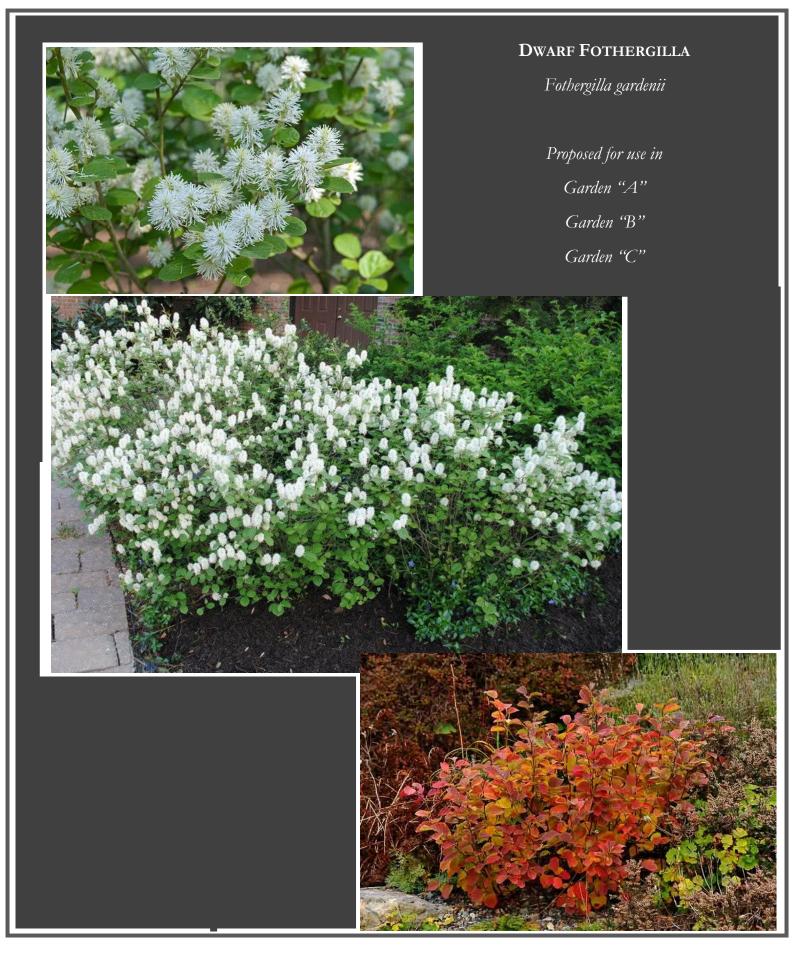
## VIBURNUM (MIXED VARIETIES)

Viburnum plicatum f. tomentosum 'Shasta' and 'Mariessi'

> Viburnum rhytidophyllum Proposed for use in Garden <u>'B" and 'C"</u>



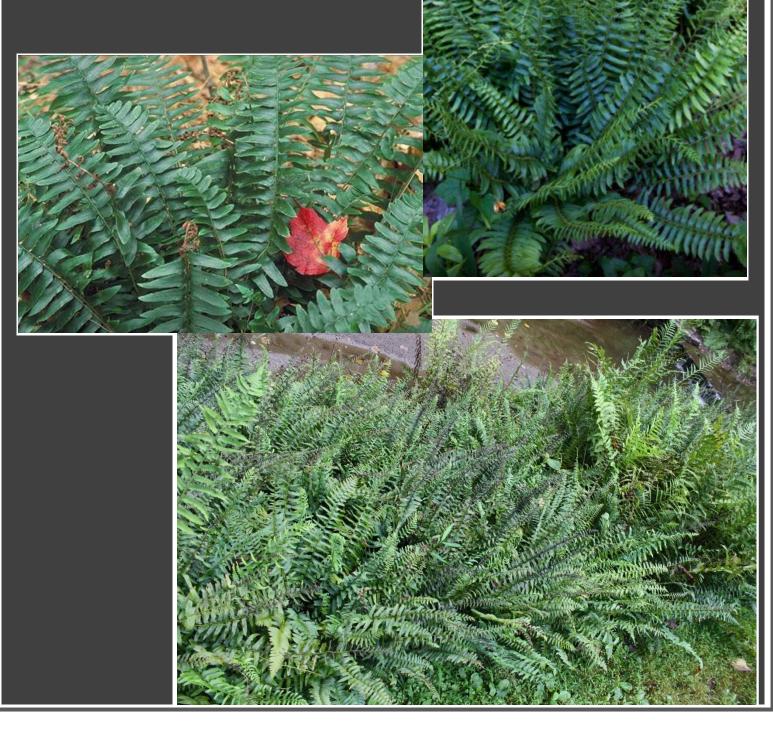






Polystichum acrostichoides

Proposed for use in Garden 'B"





#### LADY FERN

Athyrium filix-femina

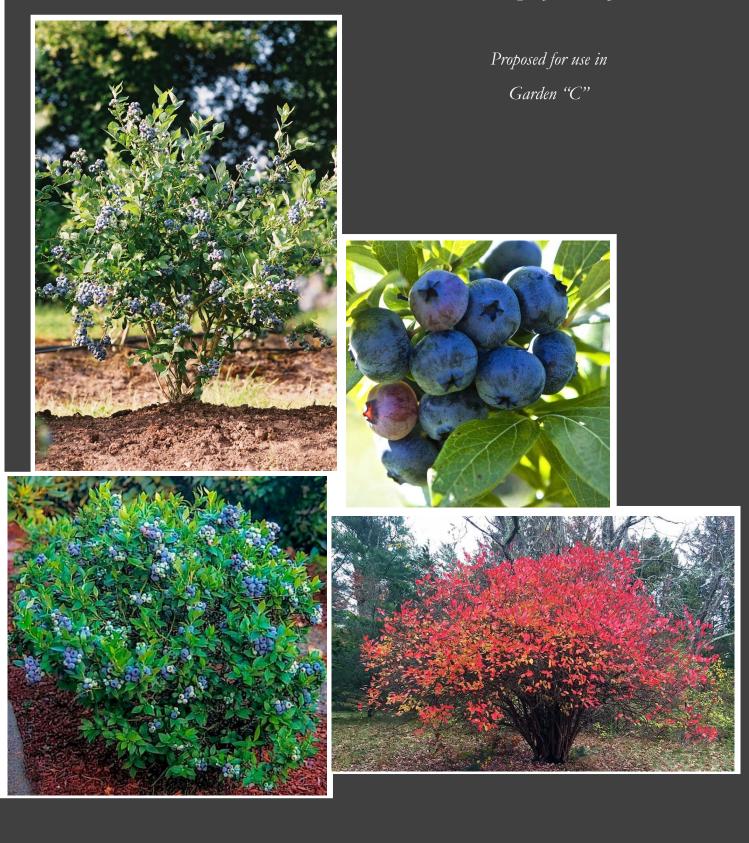
Proposed for use in Garden "B" And Garden "C"

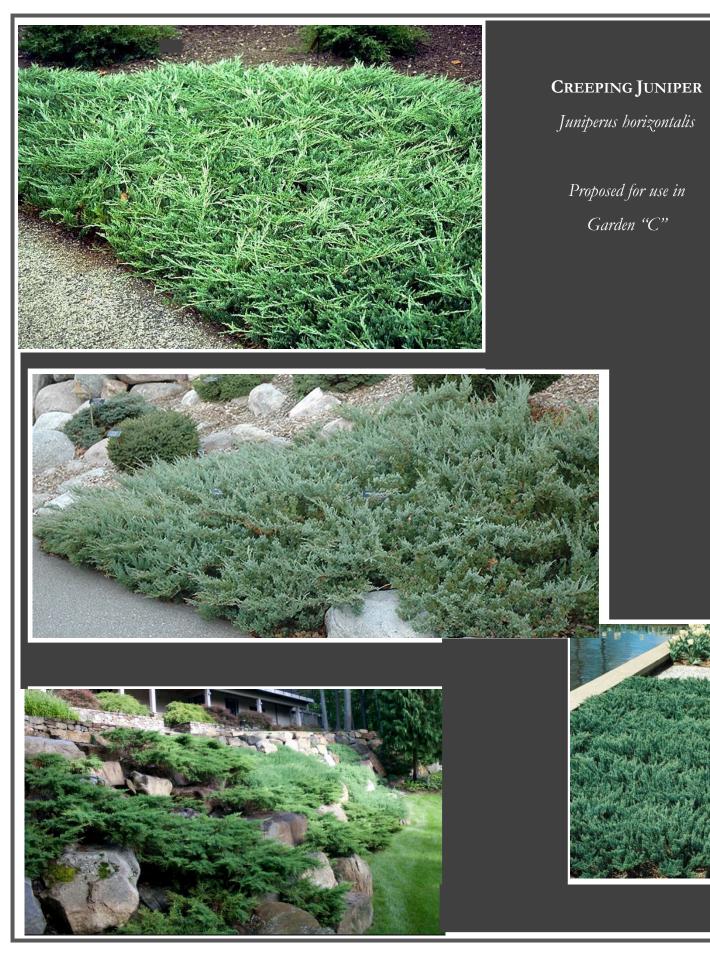


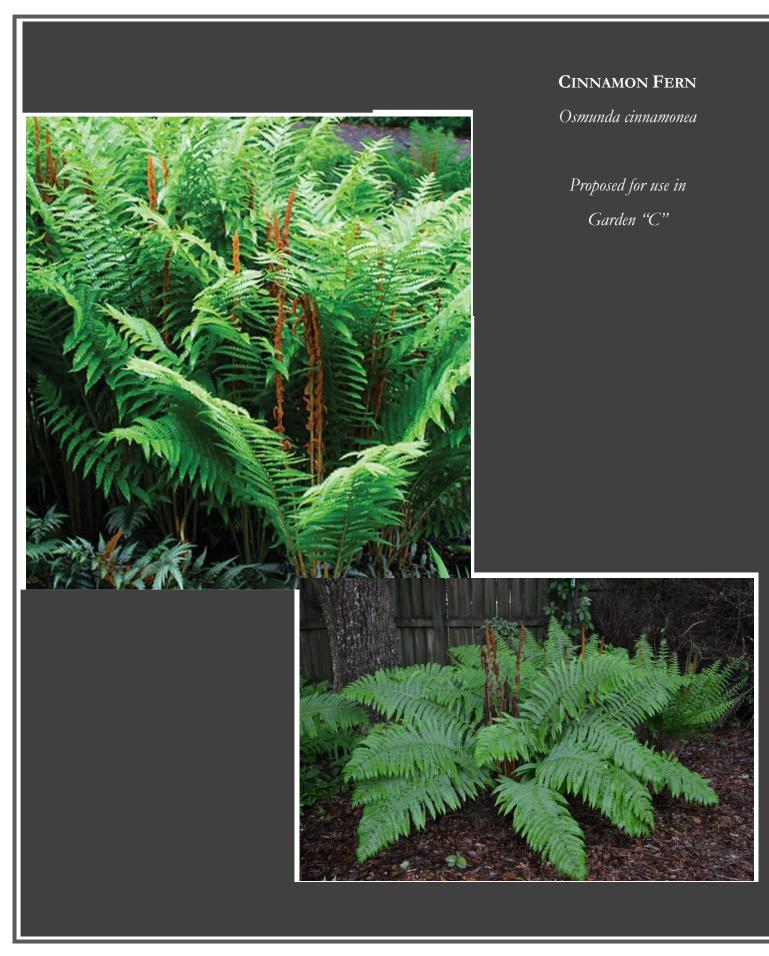


#### BLUEBERRIES (HIGH BUSH AND LOW BUSH)

Vaccinium angustifolium/ corymbosum



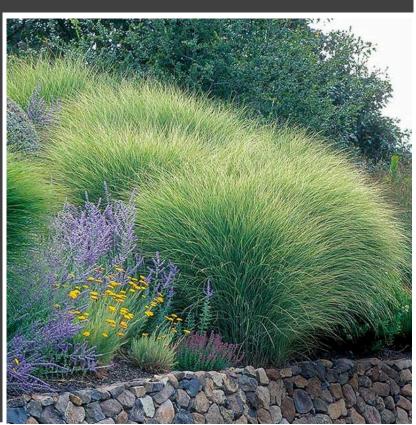




#### LARGER GRASSES (MIXES SPECIES)

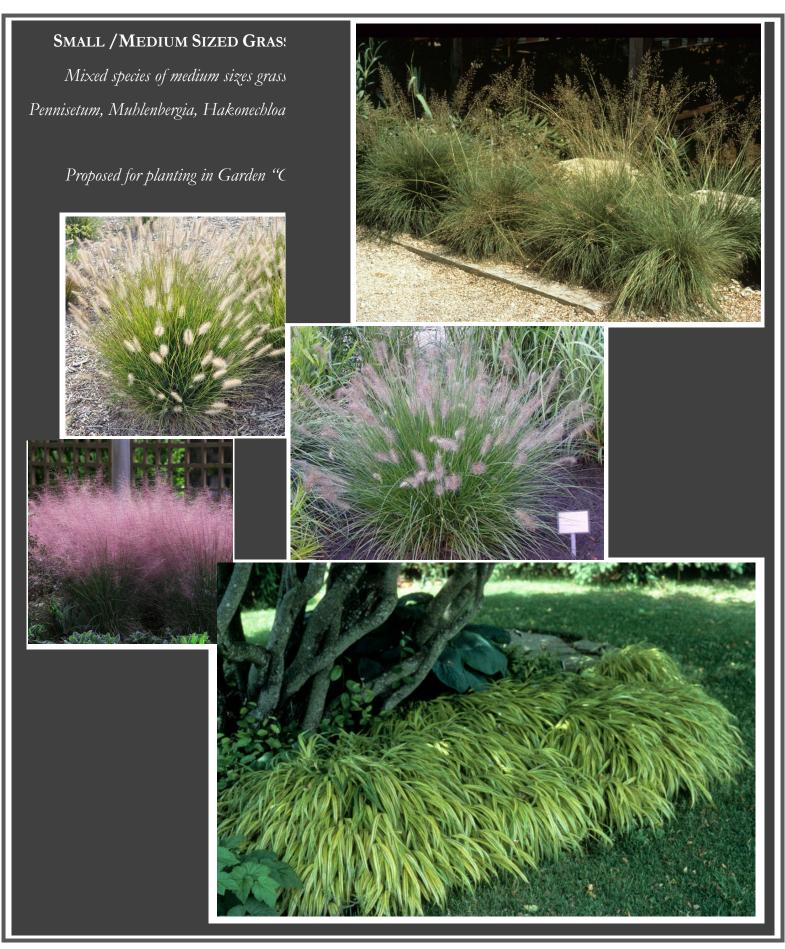
Miscanthus, Calamagrostis, Sergastrum

# Proposed for planting in Garden "C"









#### MIXED DWARF Evergreens used in planter boxes







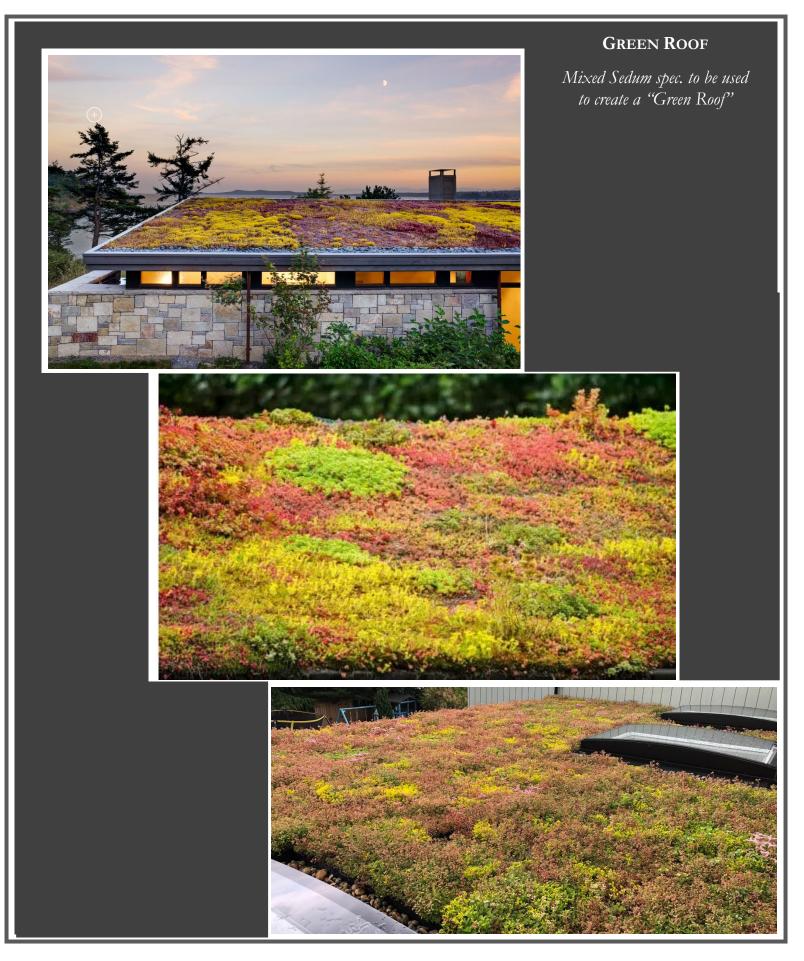


FRUITING APPLES, PEACHES, PEARS

Malus/Prunus/Pyrus

Proposed trees to be planted in the "Orchard"





#### ADDING TO "EXISTING MEADOW

BELOW WOULD BE ADDED TO THE EXISTING MEADOW IN THE FORM OF PLUGS TO AVOID DISRUPTION OF THE EXISTING STABILIZING PLANT COVER WHICH WILL HELP PREVENT ANY UNNECESSARY EROSION. WE PROPOSE ADDING THE FOLLOWING TO CREATE A MORE NATIVE LEANING PLANT SELECTION, AS WELL AS INCREASE BIODIVERSITY FOR THE SURROUNDING HABITAT. THIS WILL ACT AS A VEGETATIVE BUFFER

**LITTLE BLUESTEM** Schizachryium scoparium

SWITCH GRASS Panicum virgatum

**INDIAN GRASS** Sorgastrum nutans

**PENNSYLVANIA SEDGE** Carex pennsylvanica

WHITE WOOD ASTER Aster divaricata

**CALICO ASTER** Symphyotrichum lateriflorum

HEATLEAVED ASTER Aster cordifolius

WHITE SNAKEROOT Ageratina altissima



