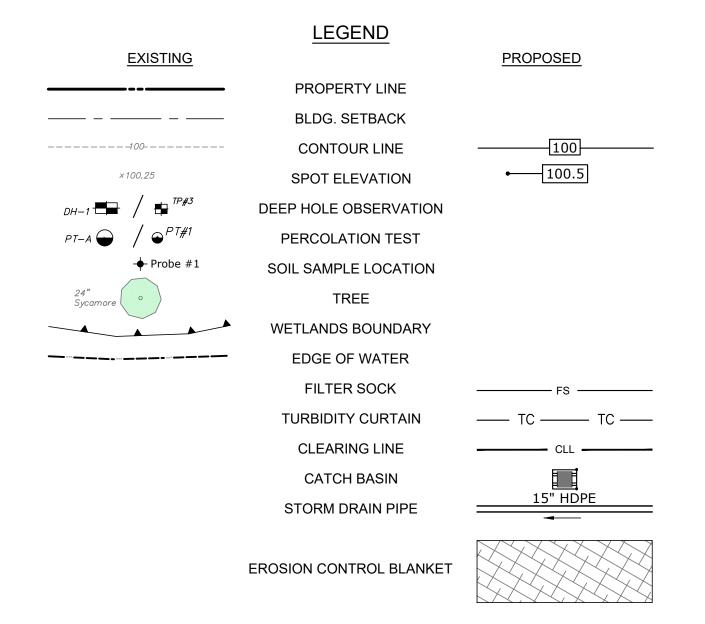
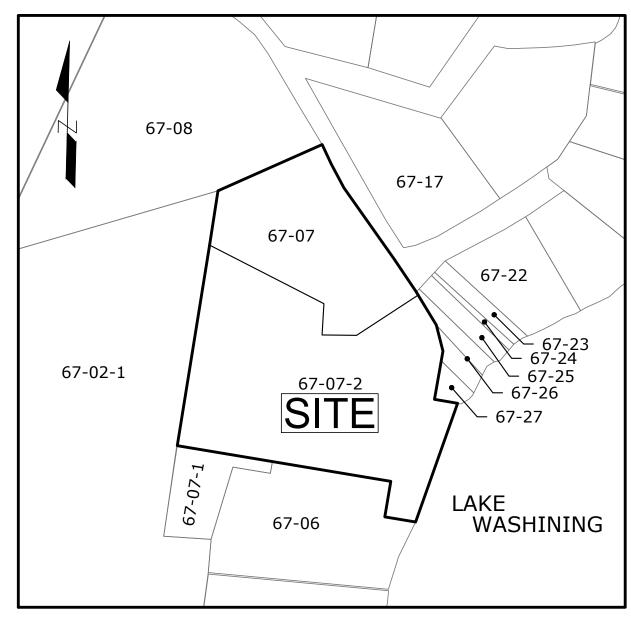
NEW RESIDENCE 280-300 BETWEEN THE LAKES ROAD

SALISBURY, CONNECTICUT SEPTEMBER 10, 2024

Owner						
Мар	Lot	Owner Name	Address			
67	07-2	280 BTLR LLC	23721 NE 48TH AVE #H7 OKEECHOBEE, FL 34972			
67	07	280 BTLR LLC	23721 NE 48TH AVE #H7 OKEECHOBEE, FL 34972			

List of abutters as of August 23, 2024							
Мар	Lot	Owner Name	Address				
		Direct abutting					
	NORTH						
67	8	ESTERSON JILL & PEIRCE PETER R	328 BETWEEN THE LAKES RD SALISBURY, CT 06068				
67	17	BOYNTON SANDRA K TR	164 SALMON KILL ROAD LAKEVILLE, CT 06039				
67	23	BROWN GEOFFREY & SHERMAN JUDITH M	P O BOX 13 TACONIC, CT 06079				
67	27	ESTERSON JILL & PEIRCE PETER R	328 BETWEEN THE LAKES RD SALISBURY, CT 06068				
67	26	ROGERS DAVID SURV & VROTSOS KAREN SURV	382 BETWEEN THE LAKES RD SALISBURY, CT 06068				
67	25	MEEHAN JOSEPH R TRUSTEE & SALISBURY BANK TRUST DEPT	PO BOX 1868 LAKEVILLE, CT 06039				
67	24	SMITH ANN & HORTON RICHARD & HORTON RICHARD	118 EAST 21ST ST HOLLAND, MI 49423				
	EAST						
-	-	Lake Washining	-				
	SOUTH						
67	06	PETERSON GEORGE III & FINIS LISA & MARIO TRUSTEES	1 PINE TREE DRIVE BRANFORD, CT 06405				
67	07-1	PETERSON GEORGE III & FINIS LISA & MARIO TRUSTEES	1 PINE TREE DRIVE BRANFORD, CT 06405				
	WEST						
67	02-1	WASHINEE LLC C/O DAVID MILLER	131 AVENUE B APT 2C NEW YORK, NY 10009				





ABUTTERS MAP

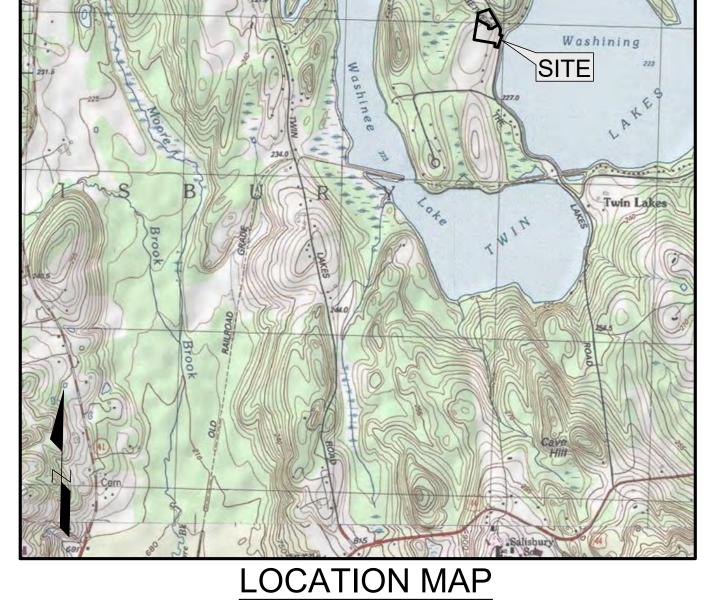
SCALE: 1"= 200'

OWNER

280 BTLR LLC 23721 NE 48TH AVE #H7 OKEECHOBEE, FL 34972

APPLICANT

GREAT FALLS CONSTRUCTION, LLC 117 DUBLIN ROAD FALLS VILLAGE, CT 06031



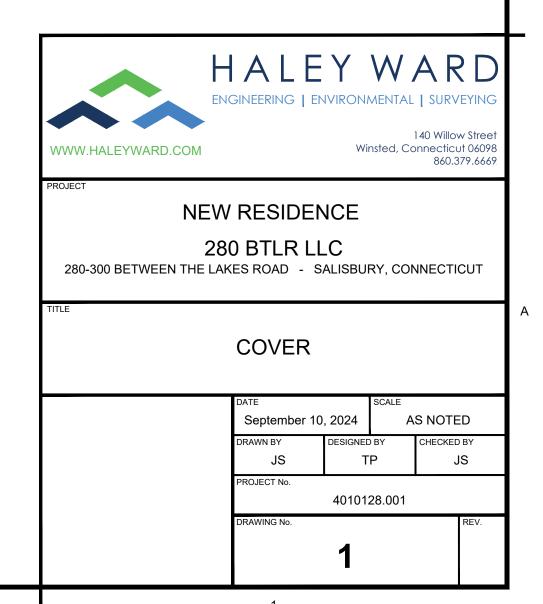
SCALE: 1"= 2000'

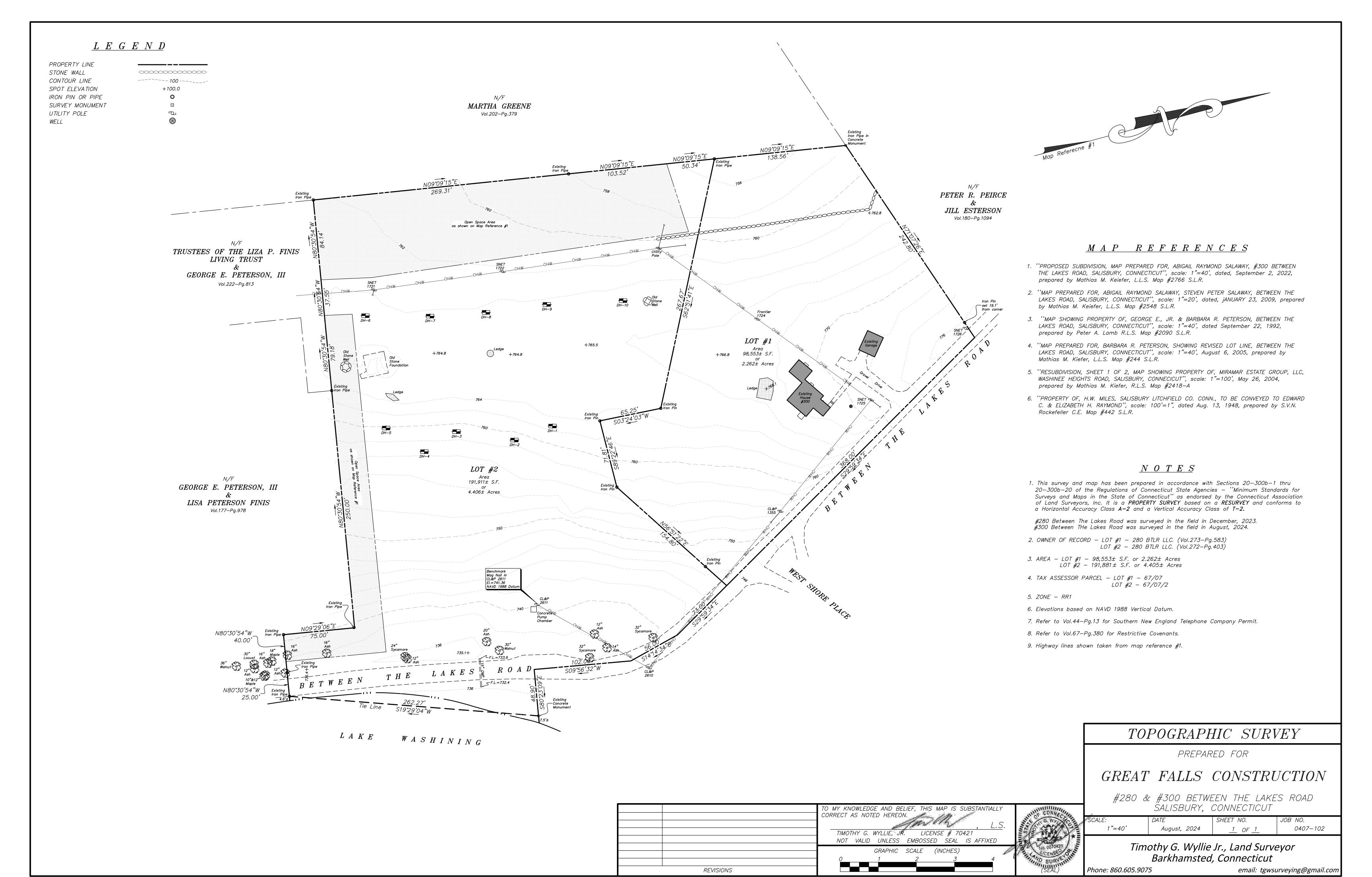
LIST OF DRAWINGS

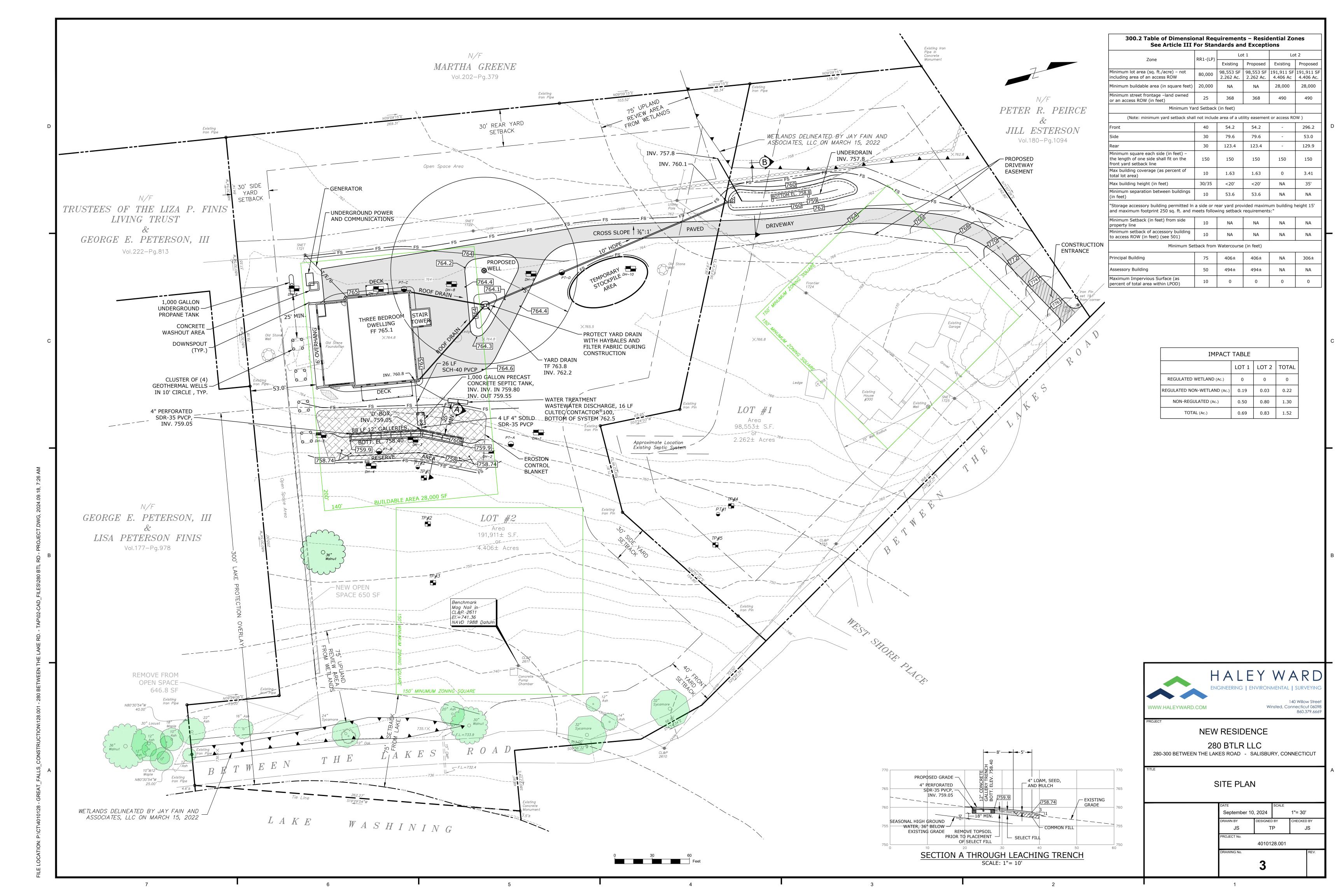
- COVER
- TOPOGRAPHIC SURVEY, BY TIMOTHY G. WYLLIE JR., L.S.
- SITE PLAN
- SEPTIC SYSTEM DETAILS
- SITE DETAILS



- 1. The Contractor shall contact Call-Before-You-Dig at 1-800-922-4455 for marking of utilities prior to any excavation.
- 2. The Contractor shall obtain copies of all permits and comply with all permit conditions.
- 3. The contractor shall restore all disturbed areas to the satisfaction of the owner.







Ledge:

Root Penetration:

Existing GWT:

43"

N/F

Dry

21"

34"

Dry

60"

Dry

48"

42"

36"

Dry

20"

34"

29"

20"

57"

18"

18"

Dry

N/F

40 13"

30 9.125"

USE 10.1 MIN/INCH

6.7

6.2

0"-13" Topsoil and Sod 13"-33" Red Brown Fine, Sandy Loam 33"-42" Light Brown Coarse Sandy Silty Till

DH-4

DH-6

42"-75" Dark Grey Fine Gravely Sandy Silty Till **DH-5** 0"-9" Topsoil and Sod Root Penetration: 9"-33" Light Brown Fine, Sandy Loam Mottling: 33"-47" Tan Coarse Sandy, Very Compact Existing GWT: 47"-75" Tan Fine Sand with Cobbles

0"-5" Topsoil and Sod Root Penetration: 5"-25" Brown Fine, Sandy Loam Mottling: 25"-72" Grey Brown Silty Sandy Gravely Till **Existing GWT:**

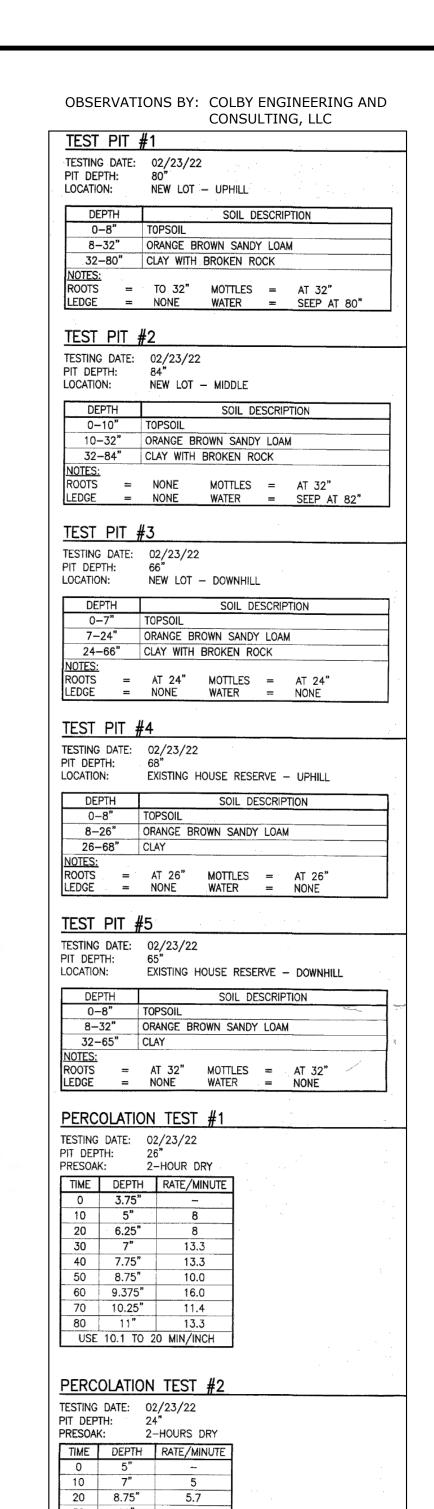
DH-7 0"-3" Topsoil and Sod Root Penetration: 3"-10" Brown Fine, Sandy Loam Mottling: 10"-80" Grey Brown Sandy Silty Till with Some Existing GWT: " stones, (Clayish) <u>DH-8</u>

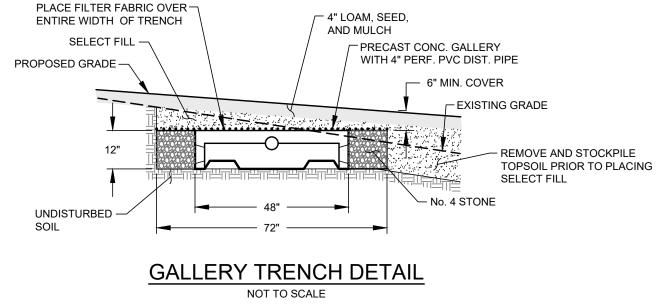
0"-5" Topsoil and Sod Root Penetration: 5"-23" Brown Fine Silty Sandy Loam (Clayish) Mottling: 23"-72" Grey Brown Sandy Silty Till with Small Existing GWT: Stones (Clayish) DH-9

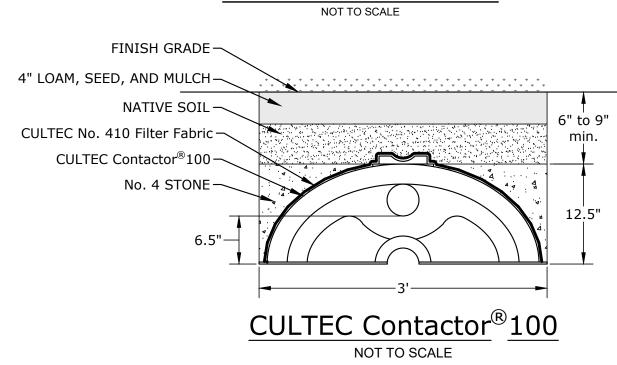
0"-6" Topsoil and Sod Root Penetration: 24" 6"-26" Brown Fine Sandy Loam (Clayish) Mottling: 26"-75" Grey Brown Sandy Silty Till with Lime Existing GWT: N/F **DH-10** 0"-12" Topsoil and Sod Root Penetration: 42" 12"-42" Brown Fine Sandy Loam Mottling: 42"-78" Grey Brown Sandy Silty Till with Lime Existing GWT: Dry

Percolation Test Performed on: December 6, 2023

PERCOL	LATION TEST A	PERCOLATION TEST B			
Presoak T Hole Dep	ime: 10:00 th: 25"		Presoak Time: 10:01. Hole Depth: 23"		
TIME	READING	TIME	READING		
12:05	7 7/8"	12:06	9 3/4"		
12:10	9 1/4"	12:11	12"		
12:15	10 1/2"	12:16	14"		
12:20	12"	12:21	15 1/2"		
12:25	13"	12:26	17"		
12:30	14"	12:31	18"		
12:35	14 1/2"	12:36	18 1/2"		
12:40	15"	12:41	19 1/4"		
12:45	16"	12:46	20"		
12:50	16 3/4"	12:51	20 1/2"		
12:55	17"	12:56	21"		
13:00	17 1/4"	13:01	21 3/4" Dry		
13:05	18"				
Perc Rate	: 10 min. per inch	Perc Rate	Perc Rate: 8 min. per inch		
PERCOLATION TEST C		PERCOLATION TEST D			
	ime: 10:02		Presoak Time: 10:03.		
Hole Depth: 19"		Hole Depth: 19"			
TIME	READING	TIME	READING		
12:07	6"	12:08	4 1/2"		
12:12	6 1/4"	12:13	5"		
12:17	6 3/4"	12:18	5"		
12:22	7"	12:23	5 3/4"		
12:27	7"	12:28	6"		
12:32	7 1/2"	12:33	6 1/4"		
12:37	8"	12:38	6 3/4"		
12:42	8 1/8"	12:43	6 7/8"		
12:47	8 1/2"	12:48	7 1/4"		
		12:53	7 1/2"		
12:52	8 3/4"	12.00			
	8 3/4" 9"		8"		
12:52 12:57 13:02		12:58 13:03			







"CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for

Clear and grub areas for the house, leaching field, and driveway. Dispose of stumps per local, State, and Federal law. Remove

brush and surface stones from the area. The Contractor shall exercise extreme care in removing surface boulders and topsoil,

so as not to disturb the leaching field area. Stockpile topsoil in a convenient area for re-use. Place erosion control measures as

The house orientation and elevation shall be positioned as shown on this plan. The elevation shown for the top of foundation

or the finished floor may be raised but not lowered without the consent of the Engineer. The Contractor shall verify the

benchmarks shown on this plan prior to construction of the house and septic system. A licensed land surveyor should stake

Scarify the primary leaching area prior to placement of fill. Fill material shall be approved by the Sanitarian prior to

installation. Compact fill in six inch lifts. Field density shall meet at least 90% Standard Proctor Density. Extend fill a

minimum of 10 feet beyond the last leaching trench before tapering off, as shown by the proposed contours and cross-section,

including five feet of select fill and five feet of common fill. Conduct an in-place gradation test prior to installation of

Select fill shall conform to the specifications outlined in Section VIII.A of the "CONNECTICUT PUBLIC HEALTH CODE

On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems".

Percent Passing (by Weight)

Dry Sieve

70-100

10-75

0-5

The septic tank shall be a 1,000-gallon two compartment precast concrete septic tank meeting all the latest specifications set

forth in Section V of "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical

Standards for Subsurface Sewage Disposal Systems", with particular reference to baffles, lids, compartments, manhole

access, non-by-pass effluent filter, and concrete. The tank shall be properly baffled at the inlet and outlet, and shall be watertight with joints sealed with butyl sealant or equal. The tank, including riser and cover assembly, shall be constructed

Inlets, outlets, and risers of the septic tank shall be sealed with a code-compliant watertight seal to prevent surface or ground

Grade ground surface so surface water will drain away from the tank access. Septic tanks in paved areas shall have risers

extended to grade. When risers and manhole covers are provided, the tank covers shall be left in place or the risers shall be

The tank shall be equipped with an approved non-bypass effluent filter meeting the latest specifications of Section V of

"CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface

The sewer pipe between the house and septic tank shall be four inch diameter conforming to Table No. 2 of the "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems". Solvent weld couplings/fittings conforming to the State of Connecticut Health Code may be

used. The slope of this sewer shall be a minimum of 0.25 inches per foot. The inverts and pipe length shown on the plan set

the pipe slope on this project. The pipe shall be laid in a straight line on an even grade. The pipe shall be mortared or sealed

with an appropriate seal or gasket at the house and tank locations to prevent surface and groundwater penetration.

0-2.5

*Percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and

Select fill shall be comprised of clean sand and gravel, free from organic and foreign substances.

Wet Sieve

70-100

0-50% *

0-20

0-5

100

The fill shall not contain any material larger than the Three (3) inch sieve.

leaching system as required by the Torrington Area Health District policy.

The fill shall meet the following specifications:

U.S.Sieve

#10

#40

#100

#200

the #200 sieve does not exceed 5%.

and installed to support AASHTO HS-10 design loading.

fitted with safety devices to prevent entry if the riser covers are removed.

SEPTIC TANK AND EFFLUENT FILTER

Gradation on Fill Less Gravel

Subsurface Sewage Disposal Systems" revised to January 1, 2024 shall be considered part of these specifications.

SPECIFICATIONS

SITE PREPARATION

shown on the plan.

SELECT FILL

HOUSE LOCATION

DRAIN LINE CLAMP-DRAIN LINE ADAPTER WITH NUT -4" PVC-

WASTEWATER TREATMENT PIPE DISCHARGE DETAIL

NOT TO SCALE

DISPOSAL SYSTEM FOR WATER TREATMENT WASTEWATER

The installer shall construct the disposal system for the water treatment system wastewater in accordance with these plans. The system consists of the following:

CSI Model MS48-S3 water softener which has a 101-gallon discharge. The discharge frequency depends on the water usage and is anticipated to be every 7 days.

The design volume for the treatment system must be 1.5 times the daily discharge. 1.5 x 101 gallons = 151.5 gallons. CULTEC Contactor 100 Standard Chambers have a capacity of 108.5 gallons per chamber. Use one row of chambers with 2 units. Total = 2 chambers x 108.5 gal/chamber = 217 gallons. Chambers are 12.5 inches high and have an effective length of 96

Based on DP #5, the mottling depth is estimated at 36 inches. Ledge is not present. The bottom of the system will be placed 18 inches below grade.

The installer shall notify Torrington Area Health District at least 24 hours in advance of the system

The installer shall submit an installation as-built to the Torrington Area Health District. The as-built shall include a description and location of each water treatment wastewater disposal system and horizontal distances from at least two fixed objects (i.e. survey monument, building foundation, etc.) to each system component.

DISTRIBUTION BOXES

Distribution boxes shall be precast concrete. All distribution boxes shall be set on a 12-inch level layer of crushed stone to help prevent heaving and settling. Orient D-box to provide high-level overflow as shown by inverts on this plan. For high-level overflow, set outgoing pipe to next trench in the upper three inches of the leaching structure.

Inlets and outlets of D-box shall be mortared or sealed with an appropriate seal or gasket to prevent surface or ground water from entering.

LEACHING FIELD

The Public Health Department may require a licensed land surveyor stake out the leaching field. The contractor shall check with the local Health Authority and determine if this leaching field requires stake out by a licensed land surveyor.

The bottom of each trench and distribution pipe shall be level throughout. Deviation from level shall not exceed one inch in

Stone used in the leaching field shall be stone aggregate as defined in the "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems" in Section I.S and Section VIII.A.

Distribution pipe within the leaching area shall be four inch diameter conforming to Table No. 2-A of the "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems". The pipe shall be set in a straight line and the invert of each pipe shall be level and set to the elevations shown on

Precast concrete leaching chambers shall be 12-inch high or equal. The Chambers shall be constructed and installed to support AASHTO HS-10 design loading. Distribution pipe must have a minimum diameter of four inches. Only No. 4 Stone shall be used for leaching galleries.

Once the trenches have been filled with stone to required levels, a layer of filter fabric must cover the entire width and length of each trench. Filter Fabric shall be as specified in the "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems" in Appendix C.

LOAM, SEED AND MULCH

Immediately following rough grading activities, bring all disturbed areas to final grade with a minimum of four inches of screened topsoil (after compaction). Topsoil shall be free of large stones and roots and other deleterious materials such as

Prior to seeding, submit soil samples to a qualified soils laboratory for recommendations on liming and fertilizer. Follow the

The installer shall cover the entire septic system as indicated in these specifications and plans within two (2) working days

Due to the wet nature of the soil and extensive surface preparation required, the septic system should be constructed only

Maintain 5-foot separation between any portion of the sewage disposal system and any subsurface utility service trench (gas,

Do not tie roof gutters into footing drain discharge piping.

sewage disposal system except for minor quantities (>30 gpd) specifically authorized by the Commissioner of Public Health. Refer to Section X of the "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems".

The installer is responsible to install the subsurface sewage disposal system in accordance with the plan approved by the local director of health. The installer shall prepare a record plan of the system and submit the plan to the local director of health.

The installer shall contact the Engineer at least three days prior to any work related to the system installation to arrange

GENERAL NOTES

1. Lot Area: 4.405 Acres Zone: RR-1

Topographic Survey, prepared for Great Falls Construction, Between the Lakes Road, Salisbury, Connecticut, dated December, 2023, prepared by Timothy G.

3. Contractor shall obtain a copy of the Design Approval from the local health

BASIS OF DESIGN:

Number of Bedrooms Garbage Grinder: Large Tub:

1,000 Gallon (Required) Septic Tank: 1,000 Gallon (Provided)

Actual Percolation Rate: 10 Min./Inch Design Percolation Rate: 10 Min./Inch

Depth to Restrictive Layer: 36 inches (DH-5) Hydraulic Gradient: 10.1 - 15.0%

Hydraulic Factor: 1.5 Flow Factor:

Percolation Factor: MLSS Required: $20 \times 1.5 \times 1.0 = 30$ feet

MLSS Provided: 88 feet Leaching Area Required:

Primary System: 88 LF 12-inch Gallery $88 LF \times 5.9 SF/LF = 519.2 SF$

Reserve Area: Design Depth to Seasonal

High Groundwater Table: 36 inches Design Depth to Ledge:

HALEY WARD ENGINEERING | ENVIRONMENTAL | SURVEYING 140 Willow Stree Winsted, Connecticut 06098 VWW.HALEYWARD.COM

NEW RESIDENCE

280 BTLR LLC

280-300 BETWEEN THE LAKES ROAD - SALISBURY, CONNECTICUT

SEPTIC SYSTEM DETAILS

AS NOTED September 10, 2024 4010128.001

860.379.6669

Perc Rate: 16 min. per inch

Perc Rate: 26.6 min. per inch

OTHER SEWERS

gallons per day.

HOUSE SEWER

water from entering the tank.

The pipe leading from the septic tank to the leaching field and the pipe between distribution boxes shall be four inch diameter conforming to Table No. 2-A of the "CONNECTICUT PUBLIC HEALTH CODE On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems". The pipe shall be laid in a straight line on an even grade. The slope of this pipe shall be a minimum of 0.125 inches per foot. The inverts and pipe length set the pipe slope on this

Up to 45% of the dry weight of the representative sample may be retained on the #4 sieve (Gravel portion of sample.

wood, pieces of pavement, metals, trash, etc. and shall be of such quality as to readily promote germination of grass seed.

laboratory recommendations. Seed area in accordance with seed manufacturer's recommendations.

following the local Health Department's final inspection and approval and prior to a heavy precipitation event.

MISCELLANEOUS

Water restrictive measures should be implemented (i.e. water saver toilet and shower head, etc.).

during the dry part of the season.

electric, cable, phone). Utility trenches within 25 feet of the system shall not be backfilled with free-draining material.

Maintain 10-foot separation between any portion of the sewage disposal system and any potable water or irrigation line under pressure. Water line trenches within 25 feet of the system shall not be backfilled with free-draining material.

Do not discharge wastewater that is not sewage, as defined in Public Health Code Section 19-13-B103b(1) into the subsurface Sewage Disposal Systems". The filter shall be selected from Appendix B. The filter shall have a design flow of at least 450

2. Map Reference:

Wyllie, Land Surveyor

department and comply with any conditions of approval.

1. INTRODUCTION AND PERMIT COMPLIANCE

Pursuant to Connecticut P.A. 83-388, this project requires a Soil Erosion and Sediment Control Plan and Narrative.

This narrative describes the **minimum** measures required to control soil erosion during and after construction of the sitework shown on this plan. The soil erosion and sediment control measures shown on this plan are designed in accordance with a document entitled "Connecticut Guidelines for Soil Erosion and Sediment Control" published by the Connecticut Council on Soil and Water Conservation in Collaboration with Connecticut Department of Energy and Environmental Protection effective March 30, 2024. The Contractor may be required to implement additional measures to prevent site erosion and sedimentation of downstream waterways.

The Contractor is required to obtain copies of, and comply with the conditions of all permits for this project, including but not

Municipal Inland Wetlands Permit

Municipal Planning & Zoning Permit

The Contractor's activities and operations include all site work and work incidental to the project including, but not limited to haul roads, waste and disposal areas, staging areas, and field offices. If any of his activities require approvals above and beyond those already accounted for by the Owner's permits, the Contractor shall apply for and obtain such permits prior to conducting those operations. If incidental work such as haul roads, waste and disposal areas, staging areas, and field offices are not shown on the plans, and require additional erosion control, the Contractor shall provide such controls.

2. PROJECT DESCRIPTION AND SITE CHARACTERISTICS

This project involves the construction of a single-family residence. The existing site is mostly open meadow with a wooded area where a portion of the driveway will be constructed. The grades range from flat (2%) to moderate (14%). Nearly all of the site work occurs in areas where the existing grades are 10% or less. The project will result in 1.5 acres of site disturbance.

The project includes the following activities:

- Building construction
- Earthwork
- Utility installation Septic system installation
- Driveway construction

3. CONSTRUCTION SEQUENCING

- 1. Confirm all permits are in place.
- 2. Have surveyor stake out the house, driveway, and septic system.
- 3. Install construction entrance.
- 4. Install erosion control perimeter measures.
- 5. Strip topsoil and stockpile.
- 6. Install driveway base.
- 7. Excavate for foundation and begin house construction.
- 8. Install underground utilities, including electric service, communications, and drainage piping.
- 9. Install well and septic system.
- 10. Pave driveway.
- 11. Spread topsoil and seed all disturbed areas.

The project is expected to start in the fall of 2024 and take approximately 12-16 months.

4. RESPONSIBILITY

4.1 RESPONSIBILITIES OF OWNER/PERMITEE

The Owner is 280 BTLR, LLC, c/o Jeffrey & Claudia Keenan, 23721 NE, 48th Ave, #H7, Okeechobee, FL 34972. Phone

A. Provide the Contractor with copies of land-use permits that Owner has acquired.

B. Inform all parties involved with the proposed site work of this plan's objectives and requirements.

4.2 RESPONSIBILITIES OF CONTRACTOR

The Contractor is Great Falls Construction, Inc. 117 Dublin Road, Falls Village, CT 06031. Phone 860-824-7128. The Contractor is responsible for preventing erosion of the site and for protecting adjacent waterways from sedimentation. The Contractor shall:

A.Install, monitor, and maintain the soil erosion and sediment control measures as shown on this plan.

B. Comply with all permit requirements.

C. Provide the Owner, Engineer, and the municipality with 24 hour phone numbers in the event of an emergency at the

5. PRECONSTRUCTION CONFERENCE

If required by the Town, the Contractor shall initiate a preconstruction conference with the Permitee, Owner-of-record, Contractor, Engineer, and a municipal representative to review the proposed soil erosion and sediment control measures.

6. DESCRIPTION AND MAINTENANCE OF EROSION CONTROL MEASURES

6.1 TEMPORARY STABILIZATION MEASURES

Temporary Grass Cover:

Provide temporary grass cover where indicated on the plans or where temporary land grading will be unaltered for more than one month but less than 12 months. The Contractor shall loosen the soil to a depth of two inches before seeding. If existing soil is not capable of growing grass, the Contractor shall spread at least two inches of topsoil over the loosened surface. If seeding commences during the summer or early autumn, the annual or perennial ryegrass seed shall be used. If seeding commences in spring or late autumn, the winter ryegrass seed shall be used. Seeding rates shall be 5 lbs./1000 sq. ft. Hay mulch shall be spread at the rate of 100 lbs./1000 sq. ft. The Contractor shall irrigate the grass until an acceptable stand of grass is established.

Filter Sock:

Install filter sock as shown on the plans and details. Socks shall consist of a filter media inside of a mesh tube. Stake the filter sock at four-foot intervals or as called for by the manufacturer. Filter socks less than 12 inches in diameter shall be installed in a shallow depression. Where the filter sock is not continuous, it shall be overlapped a minimum of three feet. Remove sediment once levels have reached 1/4 of the effective sock. Repair and/or replace filter sock immediately if

damaged or deteriorated. See table below for more information. Mesh Material Project Duration

Multi-Filament Polypropylene Up to 5 years Biodegradable Cotton Fiber Up to 12 months Up to 18 Months Biodegradable Wood Fiber

Stockpiling or Storage of Excavated Materials:

Completely surround all temporary (2-4 weeks) material stockpiles with haybales or silt fence to prevent transportation of sediment. Seed stockpiles that will remain for a longer duration with a quick-growing rye grass.

Flexible Channel Liner Protection:

Install flexible channel liner protection in the drainage swales as shown on the plan. The Contractor shall select a fabric from the Connecticut Department of Transportation's Approved Product List. The fabric shall meet the requirements of Class 2 Type D Flexible Channel Liner Protection. The fabric shall be installed in accordance with the manufacturers instructions and guidelines. The Contractor shall maintain the fabric until a stand of grass, acceptable to the Owner, is

Fabric Slope Protection:

Install fabric slope protection on the sloping areas shown on the plan. The Contractor shall select a fabric from the Connecticut Department of Transportation's Approved Product List. The fabric shall meet the requirements of Class 1 Type D Slope Protection. The fabric shall be installed in accordance with the manufacturers instructions and guidelines. The Contractor shall maintain the fabric until a stand of grass, acceptable to the Owner, is established.

Tree Protection:

The Owner will select trees or groups of trees to remain prior to construction. The Contractor shall provide snow fencing, board fencing, or cord fencing around trees or groups of trees to protect them against damage. The Contractor shall be responsible for selecting and installing the protection measures most appropriate for the conditions present. The Contractor shall repair and/or replace tree protection measures immediately if damaged during construction.

6.2 TEMPORARY STRUCTURAL MEASURES

Catch Basin Protection, Haybales and Filter Fabric:

Use haybales and filter fabric for protection of catch basins in a low point. Place haybales around all four sides of the catch basins to minimize sediment entering the drainage system. Firmly stake haybales into the pavement base material. Wrap the entire grate with Mirafi 140N filter fabric or equal. Remove sediment from around the bales once levels reach 1/4 the effective height of the bales. Replace the haybales immediately if they are damaged or deteriorated. Replace the fabric shall be replaced immediately if it's permeability is impeded by sediment.

6.3 PERMANENT STABILIZATION MEASURES

Implement stabilization measure within three days of final grading.

Topsoil, Seed and Mulch: Immediately following rough grading activities, bring all disturbed areas to final grade with a minimum of four inches of screened topsoil (after compaction). Topsoil shall be free of large stones and roots and other deleterious materials such as wood, pieces of pavement, metals, trash, etc. and shall be of such quality as to readily promote germination of grass seed.

Prior to seeding, submit soil samples to a qualified soils laboratory for recommendations on liming and fertilizer. Follow the laboratory recommendations. All areas, to be re-vegetated, shall be seeded at a rate of 6 lbs/1,000 SF as follows:

For seeding between May 1st and August 15th:

Creeping red fescue Chewings red fescue 20 parts Kentucky 31 tall fescue 20 parts Domestic rye grass For seeding any other time of year: Creeping red fescue Chewings red fescue 20 parts Kentucky 31 tall fescue 15 parts Baron bluegrass 20 parts

Rough bluegrass

Immediately after seeding operations, cover the seedbed with hay or straw mulch at a rate of 100 lbs./1000 sq. ft. Mulch must be free of weeds and coarse matter. Spread mulch by hand or by mulch blower. Mulch anchoring is required by tractor drawn anchoring device along contour, or by tracking with a bulldozer (cleats parallel to contour) on slopes flatter than 3H:1V.

6.4 PERMANENT STRUCTURAL MEASURES (POST CONSTRUCTION STORMWATER MANAGEMENT)

Grass-Lined Drainage Swale:

Construct grass-lined drainage swales as shown on the drawings. Do not discharge runoff onto the swale until grass is established. Establishment measures may require temporary diversions, jute mesh, fertilizer, irrigation, and other

Protect the swales from erosion by vegetative means as soon after construction as possible and before diversions, run-offs, or other channels are discharged into them.

The Contractor's maintenance responsibilities include irrigation, mowing, cleaning of debris, cleaning of sediment, and replacement and/or repair of bare or eroded areas.

Land Grading:

Proposed grades are shown in detail on the plan.

In general, the Contractor shall properly stockpile earth, move it to fill areas, or export it from the site. Place and compact fill in shallow lifts, proceeding uphill from the toe area. Create large but shallow runoff collection areas at the end of each working day to help collect and prevent runoff from running down the fill face.

Bring all excavated, filled, or disturbed areas to final grade as soon as possible and stabilize areas with loam, seed and mulch immediately. Keep erosion control measures in place until the site is stabilized with pavement and/or vegetation.

Riprap Apron/Outlet Protection:

Construct outlet protection, in the form of a riprap apron, at storm sewer outfalls as shown on the plans and details. The aprons dissipate energy and reduce runoff velocity. Remove accumulated sediment from the apron after the site is stabilized with grass and/or pavement.

Permanent Stormwater Basins:

Construct permanent stormwater basin where shown on the plans. Construct the basin according to the requirements shown on the plans and details. The basin will collect sediment over the long term before it leaves the site.

During construction, remove sediment from the basin once levels have reached 10 percent of the basin volume. Following construction and site stabilization, the Owner shall remove sediment at least twice annually, and more often if conditions warrant.

Riprap -Lined Drainage Swale:

Construct a riprap-lined drainage swale as shown on the plans and details. Keep the riprap-lined drainage swale free of debris and accumulated sediment until the site is stabilized with vegetation and/or pavement.

6.5 OTHER CONTROLS

Waste Disposal:

Provide an adequate number of covered waste containers to ensure that no litter, debris, building materials, or similar materials are discharged to wetlands or watercourses. Instruct subcontractors to use the containers for waste material. Empty the containers promptly when full.

Construction Entrance:

Place clean washed stone (CONNDOT No.3 stone) at the site entrance(s) to the length, width and depth indicated on the plans and details to help remove mud and/or clods of soil from construction vehicles exiting from the site. Add stone as necessary to maintain adequate serviceability.

Cleaning of Stormwater Structures:

Clean all stormwater structures, including, but not limited to pipes, swales, detention basins, sediment traps, and riprap aprons of sediment upon completion of the project.

Concrete Washout Area:

Washout of equipment for concrete shall be conducted in the designated area. Such washout shall be conducted: (1) outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource; or (2) in an entirely self-contained washout system.. The Contractor shall direct all washwater into a container or pit designed such that no overflows can occur during rainfall or after snowmelt.

At least once per week, the Contractor shall inspect all of the containers or pits used for washout to ensure structural integrity, adequate holding capacity, and to check for leaks or overflows. If there are signs of leaks, holes or overflows in the containers or pits that could lead to a discharge, the Contractor shall repair them prior to further use.

The Contractor shall remove hardened concrete waste whenever the hardened concrete has accumulated to a height of ½ of the container or pit or as necessary to avoid overflows.

GENERAL CONDITIONS

7.1 If erosion control measures are damaged by construction vehicles, acts of vandalism, or severe weather conditions, the Contractor shall immediately remove sediment in the vicinity of the erosion control measures and repair these measures to a functional condition.

7.2 If, during or after construction, it becomes apparent that existing erosion control measures are incapable of controlling erosion, the Owner, the Engineer, or the municipality may require additional control measures including, but not limited to; additional haybales, silt fence, sediment basins, or mechanically anchored mulch.

7.3 Refueling of equipment or machinery within 75 feet of any wetland or watercourse is prohibited.

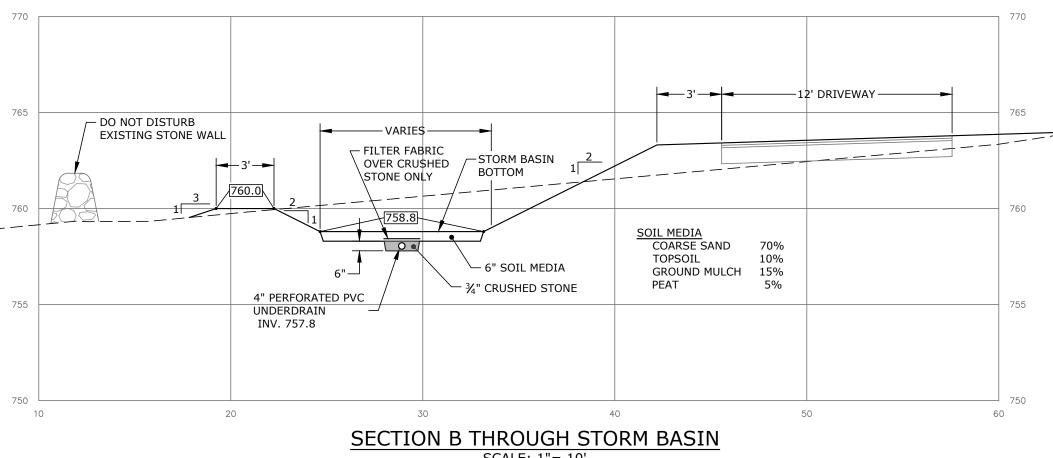
adjacent wetland or watercourse. Disposal of any material shall be in accordance with Connecticut General Statutes, including, but not limited to, Sections 22a-207 through 22a-209.

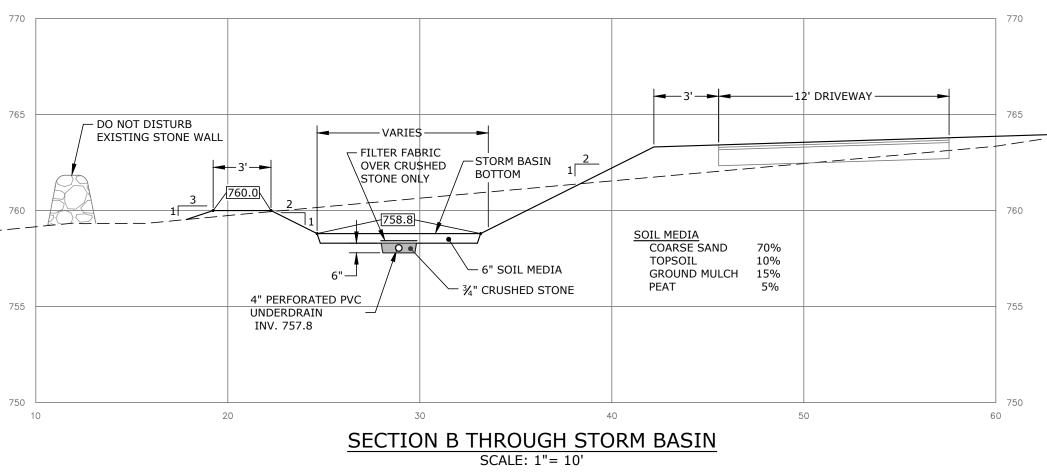
7.4 No materials resulting from construction activities shall be placed in or allowed to contribute to the degradation of an

7.5 The Contractor shall make every effort to secure the work site before predicted major storms. A major storm shall be defined as a storm predicted by NOAA Weather Service with warnings of flooding, severe thunderstorms, or similarly severe weather conditions or effects.

7.6 Dumping of oil, chemicals or other deleterious materials on the ground is forbidden. The Contractor shall provide a means of catching, retaining, and properly disposing of drained oil, removed oil filters, or other deleterious material. All spills of such materials shall be reported immediately by the Contractor to the DEEP.

7.7 No application of herbicides or pesticides within 75 feet of any wetland or watercourse will be allowed. All such applications must be done by a Connecticut licensed applicator. The Contractor shall submit to the Owner the proposed applicator's name and license number, and must receive the Owner's approval of the proposed applicator, before such application is carried out.





H-20 LOAD RATED -3" PROVIDE KNOCK-OUT PROVIDE OPENING FOR STORM PIPES AS REQ'D HEIGHT MAY VARY

1. CATCH BASIN AND TOP SHALL BE MANUFACTURED TO ACCOMMODATE H-20 VEHICLE LOADING. 2. MINIMUM CONCRETE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS.

3. MINIMUM REINFORCING BAR SIZE SHALL BE #4. 4. PRODUCT SHALL BE PRECAST WITH REINFORCING HOLES OR HOOKS.

STORM BASIN PLANTING SCHEDULE

the rain gardens.

Sweet pepperbush

Winterberry holly

Highbush blueberry

River birch, black birch

Sour gum, black gum

Flowering dogwood

Wild red columbine

New England aster

novae-angliae)

Marsh marigold

Cardinal flower

Partridgeberry

Wild blue phlox

Bloodroot

Foamflower

American hornbeam, ironwood

Mountain laurel

Swamp azalea

<u>Trees</u>

<u>Plants</u>

Red maple

<u>Shrubs</u>

Contractor shall select a mixture of the plants in the table and plant them in

(Clethra alnifolia)

(Ilex verticillata)

(Kalmia latifolia)

(Acer rubrum)

(Betula nigra)

(Nyssa sylvatica)

(Cercis canadensis)

(Aquilegia canadensis)

(Caltha palustris)

(Lobelia cardinalis)

(Mitchella repens)

(Phlox divaricata)

(Tiarella cordifolia)

(Sanguinaria canadensis)

(Symphyotrichum novae-angliae, syn.Aster

(Cornus florida)

(Carpinus caroliniana)

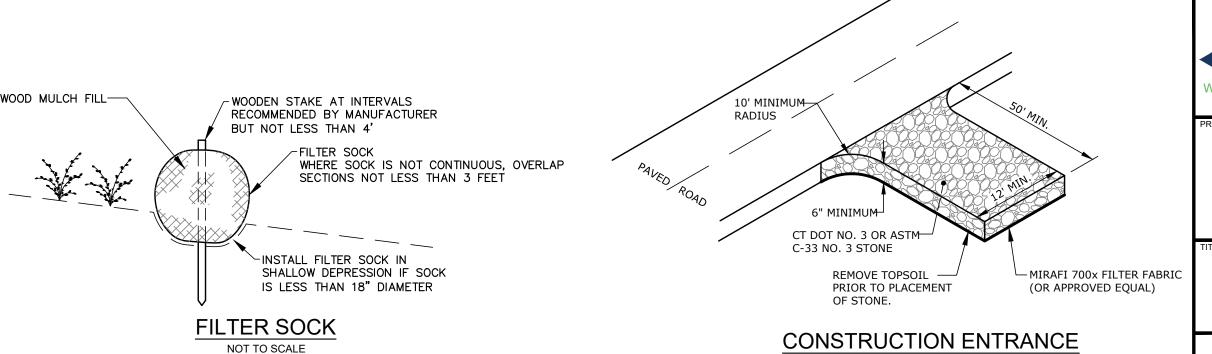
(Vaccinium corymbosum)

(Rhododendron viscosum)

5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALTERNATE PRODUCTS MAY BE CONSIDERED AT THE SOLE DISCRETION OF THE OWNER AND ENGINEER.

YARD DRAIN

NOT TO SCALE



| ³/₈": 1' —►

10" PROCESSED AGGREGATE

-1⅓" HMA S.0.5

-1%" HMA S.1

PAVED DRIVEWAY

NOT TO SCALE



NEW RESIDENCE

280 BTLR LLC 280-300 BETWEEN THE LAKES ROAD - SALISBURY, CONNECTICUT

SITE DETAILS

AS NOTED September 10, 2024 4010128.001

/____

NOT TO SCALE