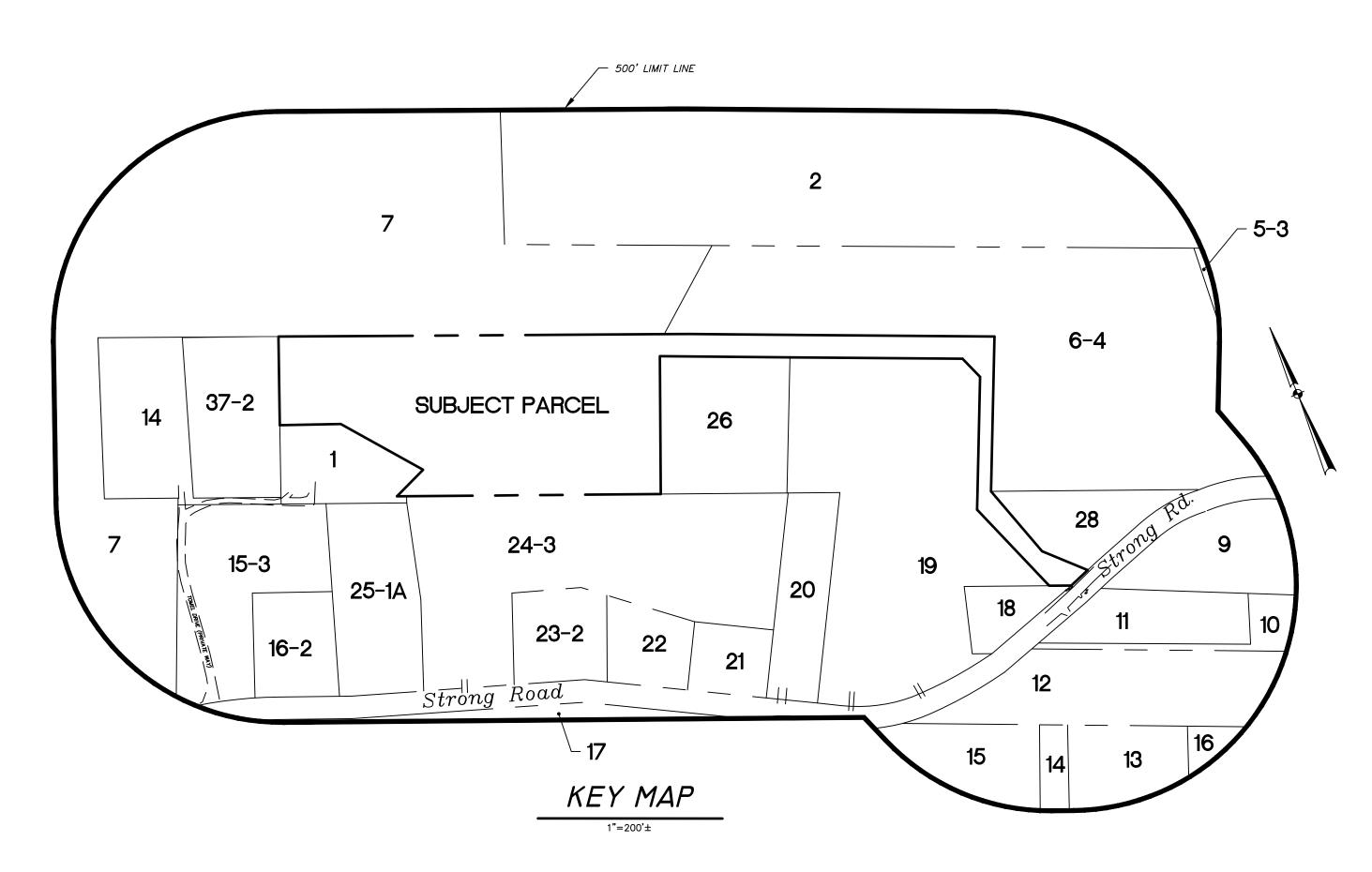
# Special Exception/Interior Lot

586 Strong Road South Windsor, Connecticut



<u>Map</u> 74	<u>Lot</u> 16	Address Town of South Windsor 1540 Sullivan Avenue South Windsor, CT 06074
85	14	James T. Poulin 430 Strong Road South Windsor, CT 06074
	15-3	NRK Properties LLC 438 Strong Road South Windsor, CT 06074
	16-2	Scott Guerrette 442 Strong Road South Windsor, CT 06074
	37-2	James T. Poulin 432 Strong Road South Windsor, CT 06074
86	1	Lynda Tomel Busto 434 Strong Road South Windsor, CT 06074
	2	South Windsor Land Conser. Trust Inc. P.O. Box 415 East Windsor Hill, CT 06028
	5-3	Rocky G. Veilleux 646 Strong Road South Windsor, CT 06074
	6-4	Sheryl Smith 630 Strong Road South Windsor, CT 06074

David J. Bell

621 Strong Road

643 Strong Road

South Windsor, CT 06074

South Windsor, CT 06074

Deborah & Karl C. Denfeld

Names & Addresses

# Names & Addresses Map Lot Address 86 11 Philip Blamire 595 Strong Road

Philip Blamire
595 Strong Road
South Windsor, CT 06074

2 Mario & Rosa DiLoreto
61 Candlewood Road
Glastonbury, CT 06033

3&14 John J. Sazinski
574 Strong Road
South Windsor, CT 06074

5 Town of South Windsor
1540 Sullivan Avenue
South Windsor, CT 06074

South Windsor, CT 06074

James T. Poulin
430 Strong Road
South Windsor, CT 06074

Joseph F. Savinski, Jr.
 574 Strong Road
 South Windsor, CT 06074
 8 Conaci Family Investment Co. LLC
 McLaren Road
 Darien, CT 06820

20 Yolanda D. Olenick 532 Strong Road South Windsor, CT 06074

21 Ryan Stottle 516 Strong Road South Windsor, CT 06074 22 Eric Gilnack 500 Strong Road

South Windsor, CT 06074

23-2 Susan M. Thompson
488 Strong Road
South Windsor, CT 06074

## Names & Addresses

24-3 Joseph Masiovecchio
 478 Strong Road
 South Windsor, CT 06074
 25-1A Robert, Daniel & John Devin
 460 Strong Road
 South Windsor, CT 06074

<u>Address</u>

Diamond Homes LLC & Frontview Homes LLC 1131 Tolland Turnpike, Suite 365 Manchester, CT 06042

7 Redland Brick P.O. Box 20910 Canton, OH 44701-0910

#### Owner/Applicant

Danny & Liza LeGare

60 Oak Street South Windsor, Connecticut 06074 818-524-9023

Owner Do

James T. Poulin

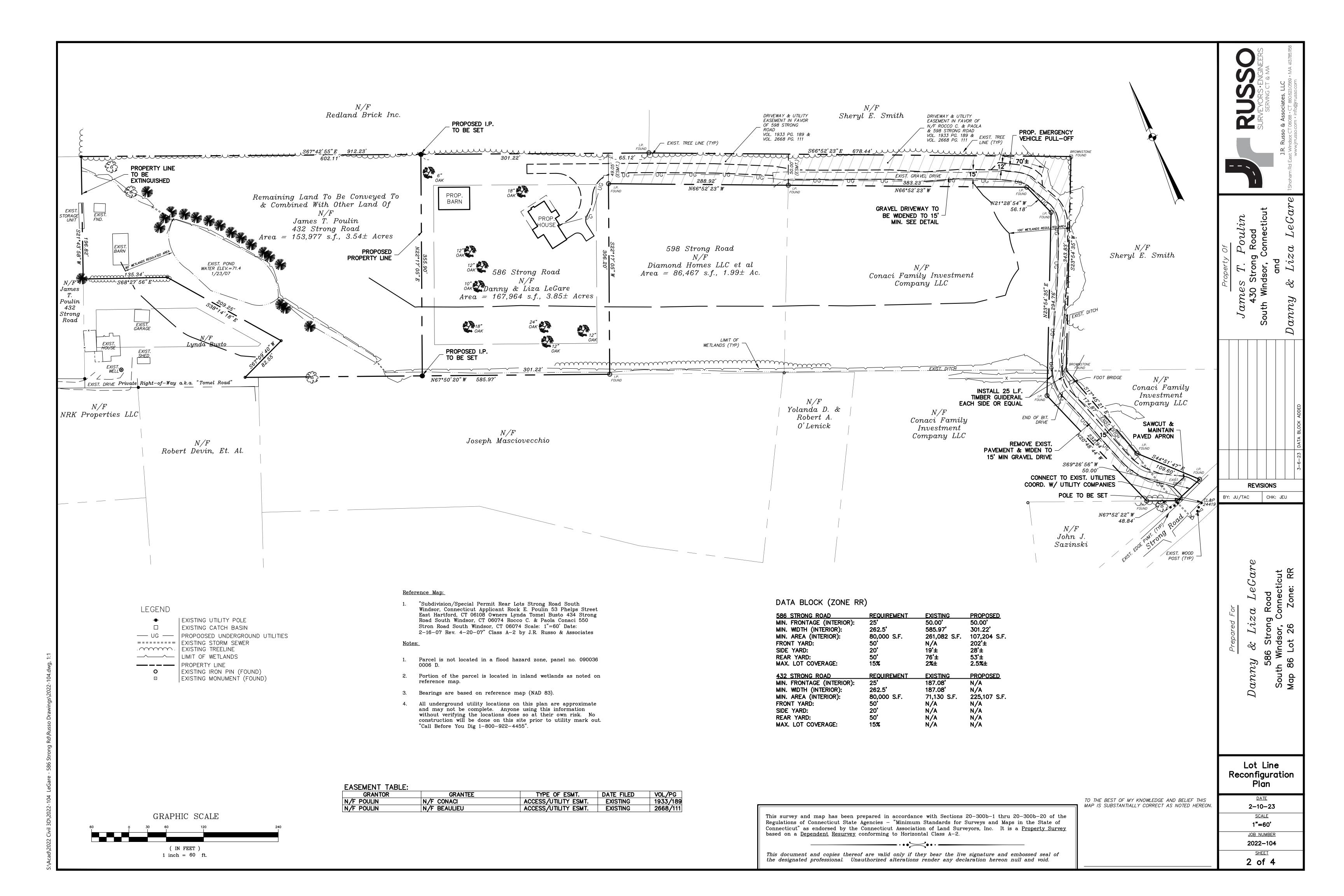
430 Strong Road South Windsor, Connecticut 06074

Prepared By



#### DRAWING INDEX

SHEET TITLE	SHEET NO.	LATEST REVISI
CIVIL  COVER SHEET · · · · · · · · · · · · · · · · · ·	· · 2 of 4 · · 3 of 4	3-06-23 3-06-23 3-06-23 3-06-23



This system is designed for a 3 bedroom house. Any increase in the number of bedrooms or the installation of a large capacity discharge type bathtub/jacuzzi (over 100 gallon capacity) will require a septic system redesign by the design engineer. A bedroom shall be defined by the definition in section I.C of the Technical Standards of the CT Public Health Code.

The soil test results and soil types apply only to the test holes shown and may not be the same for other areas on the site. Soil type, grade and various elevations must be verified by owner or contractor over the entire leaching area during construction.

Foundation dimensions shown on this plan are for site design purposes only. The foundation contractor shall use architectural plans for layout and construction of the building(s) foundation.

Location of existing utilities shown on this plan are approximate and may not be complete, contractor must call before digging for verification 1-800-922-4455.

The SSDS installation must conform to local and state Health Department requirements. Any deviation from the SSDS design as shown hereon must be approved by the design engineer prior to construction.

#### **LOCATION**

All parts of the SSDS shall be at least 10 feet from all property lines. In addition, the primary leaching system shall be at least 25 feet from a downgradient property line when MLSS applies.

Non—perforated drainage pipe shall be at least 25 feet from the SSDS unless constructed of gasketed tight pipe as listed on Table 2—C of the Technical Standards of the CT Public Health Code. Tight pipe may be no less than 5 feet from the SSDS as long as the trench is not backfilled with free draining material conforming to CT DOT Form 816 M.02.07.

Potable water and/or irrigation lines which flow under pressure shall be at least 10 feet from the

Utility service trenches (underground electric, gas, phone services, etc.) shall be at least 5 feet from the SSDS. When a utility trench is backfilled with free draining material (M.02.07), this distance shall be increased to 25 feet. All utility trenches within 25 feet of the SSDS shall be inspected by the local Health Department prior to burial.

The as-built location of the SSDS shall be measured and recorded by the installer prior to backfilling. Copies of the as—built shall be provided to the local Health Department official and the design engineer.

#### <u>PIPING</u>

Piping from the building to the septic tank shall be 4" PVC Schedule 40 or approved equal and laid at a minimum slope of 1/4" per foot. Piping leaving the septic tank to the distribution box shall be 4" PVC SDR-35 or approved equal and laid at a minimum slope of 1/8" per foot. Piping located within the leaching trenches shall be perforated 4" PVC SDR—35 or approved equal and laid level or on a grade not more than 2 to 4 inches per one hundred feet.

Cleanouts are required every 75 feet from the building to the septic tank and where a cumilative change in direction greater than 45° occurs, unless a 90° (36" radius) sweep is utilized per Table No. 2 of the Technical Standards of the CT Public Health Code.

Septic tank capacity shall be at least 250 gallons per bedroom and no less than 1,000 gallons. Garbage grinders are not recommended but if installed, add 250 gallons to required tank capacity. All septic tanks (except tanks in series) shall contain two compartments with 2/3 the required capacity in the first compartment.

Septic tanks shall include minimum 17—inch diameter access holes with removable covers directly over the inlet and outlet pipes. If a tank access hole is more than 12 inches below finished grade, provide 24-inch diameter riser with manhole frame & cover to within 12 inches of finished grade. When the cover over the tank exceeds 42 inches, the tank and risers shall be rated H—20. When the tank is located under vehicular travel areas, the tank, risers and cover assemblies shall be rated for H—20 wheel loadings.

All newly installed tanks shall have an approved non-by-pass effluent filter at the outlet. A list of approved outlet filters can be found in Appendix B of the Technical Standards of the CT Public Health

#### LEACHING SYSTEM

The contractor is required to use care during construction to keep the leaching area undisturbed until it is staked and approved for installation by the design engineer or Health Department Official.

The bottom of the leaching system must at least 18 inches above the maximum ground water level and four feet above ledge rock. Whenever the design percolation rate is faster than one inch per minute, the minimum separation to maximum groundwater must be increased to 24 inches, and the minimum separation above ledge rock shall be increased to eight feet or distances shall be doubled from any well in accordance with Table No. 1, item A of the Technical Standards of the CT Public

The ground surface over the entire SSDS shall be graded and maintained to lead surface water away from the area. Leaching systems shall be covered with a minimum of 6 inches of soil and seeded to prevent erosion over and adjacent to the system.

Select (septic) fill placed within and adjacent to leaching system areas shall be clean sand, or sand and gravel, free from organic matter and foreign substances. The select fill shall contain no material larger than 3", and up to 45% of the dry weight may be retained on the #4 sieve. Material passing the #4 sieve shall be reweighed to verify compliance with the following gradation:

<u>Sieve Size</u>	% Passing Wet Sieve	% Passing Wet Sieve (Alt.)	% Passing Dry Sieve
#4	100	100	100
<i>"</i> #10	70 — 100	70 — 100	70 - 100
#40	10 - 50	10 - 75	10 – 75
<i>"</i> #100	0 - 20	0 - 10	0 - 5
<i>"</i> 200	0 - 5	0 - 5	0 - 2.5

Material that does not meet the dry sieve gradation, is still acceptable if it meets either of the wet sieve gradations above.

Distribution boxes shall be placed level in undisturbed soil or compacted gravel to below frost line.

#### SSDS DESIGN CRITERIA

NUMBER OF BEDROOMS \_ MINIMUM SEPTIC TANK CAPACITY 1000 gallons PERCOLATION RATE < 1.0 min./in. MINIMUM EFFECTIVE LEACHING AREA (ELA) 495 sq. ft. DEPTH TO RESTRICTIVE LAYER N/A inches

HYDRAULIC GRADIENT 1.0 %
RECEIVING SOIL DEPTH N/A MINIMUM LEACHING SYSTEM SPREAD (MLSS): (HF= N/A) X (FF= N/A) X (PF= N/A) = N/A feet

#### RECOMMENDED INSTALLATION

SEPTIC TANK CAPACITY <u>1,250</u> gallons LEACHING: <u>1 ROW - 84 LF DOUBLE INFILTRATORS</u> EFFECTIVE LEACHING AREA (ELA) <u>1X84'x5.9SF/LF=495</u> sq. ft.

MAX. DEPTH INTO GRADE \_\_\_\_1\_\_ inches SYSTEM LENGTH <u>84</u> feet

BUILDING CORNER "C"

## PERC TEST DATA

Observed by Design Professionals, Inc. 4-11-06

Depth Of Hole: 25.5" Pre-soak At: 1:51 p.m. (12")

2:17	12 1/4	_
2:18	15 3/4	0.28
2:19	18 1/2	0.36
2: 20	20	0.67
2: 21	21 1/2	0.67
2: 22	22 1/2	1.0
2: 23	24 (Dry)	0.67

Design Rate: Up To Min./Inch

#### TEST PIT DATA

Observed by Town of South Windsor 10-27-22

Time Reading (In) Rate (Min./Inch)

0"- 8" Topsoil 8"-18" Tilled Topsoil/Dark Brown 18"-25" Light Brown Sand 25"-60" Light Brown Gray Sand No Mottling No Groundwater No Ledge

0"-11" Tilled Topsoil/Agriculture 11"-19" Light Brown Sand 19"-65" Light Brown Gray Sand No Mottling No Groundwater No Ledge

#### LEGEND

•	EXISTING UTILITY POLE
——— W ———	PROPOSED WATER LINE
—— G ——	PROPOSED GAS LINE
——UG——	PROPOSED UNDERGROUND UTILITIES
	EXISTING CATCH BASIN
=======	EXISTING STORM SEWER
<del></del>	EXISTING SIGN
0	EXISTING IRON PIN (FOUND)
⊡	EXISTING MONUMENT (FOUND)
135x5	EXISTING SPOT GRADE
135.5	PROPOSED SPOT GRADE
<u>- 136</u>	EXISTING CONTOUR
136}	PROPOSED CONTOUR
. ~~~~.	EXISTING TREELINE
	LIMIT OF WETLANDS
	SILT FENCE

# PLANT SCHEDULE

#### BOTANICAL, COMMON NAME & SIZE



15 — Picea Abies (Norway Spruce) 5'-6' B&B, 25' O.C.

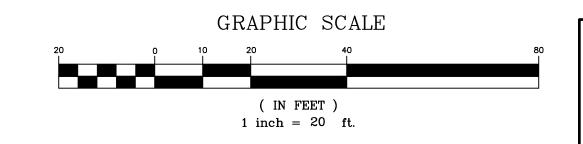


— Juniper Virginiana (Eastern Red Cedar) 5'-6' B&B, 25' O.C.

#### EROSION & SEDIMENT CONTROL PLAN KEY

PERMANENT SEEDING TEMPORARY SEEDING

GEOTEXTILE SILT FENCE



This survey and map has been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey conforming to Horizontal Class A-2 & a Topographic Survey conforming to Class T-2.

-··•<del>></del> This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

EXIST. TREE LINE

586 Strong Road

Danny & Liza LeGare

Area = 167/964 s.f.,  $3.85 \pm Acres$ 

50' REAR LINE

PS

26'-4" PVC SCH 40

1250 GAL. SEPTIC TANK

ZABEL A-1880 SERIES

ARROW AC-3-1250-2 W/3

INLET HOLES OR EQUAL, A

EFFLUENT FILTER SHALL BE

INSTALLED ON OUTLET PIPE

FL=79.05 IN, FL=78.80 OUT

S=2.3%

79.2

60'-4" PVC SDR-35

PROP. SILT FENCE

PROP. BUFFER

PLANTING (TYP)

S=0.77%

50' BUILDING LINE

Joseph Masciovecchio

**PROPOSED** 

BARN

FF=81.0

**TEMPORARY** 

**TOPSOIL** 

STOCKPILE

PS

GSF

Redland Brick Inc.

EMERGENCY VEHICLE

79.5

PROP.

**GRAVEL** DRIVE

EXIST. SILT FENCE

EXIST. TREE LINE

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS

MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

TURNAROUND

PROPOSED HOUSE

FF=85.1

BSMT. FF=76.5

FF=83.2

GSF

MIX OF MATURE DECIDUOUS TREES & WOODY SHRUB VEGETATION

ALONG DITCH

FL=78.34 IN

FL=78.17 OUT

FL=79.65

79.7

79.4

100% RESERVE AREA

84' DOUBLÉ ROW QUICK 4

INFILTRATORS BOT. EL=77.5

Redland Brick Inc.

PROP.

WELL

Str ds  $\sigma$ 

> REVISIONS CHK: JEU BY: LF/TAC

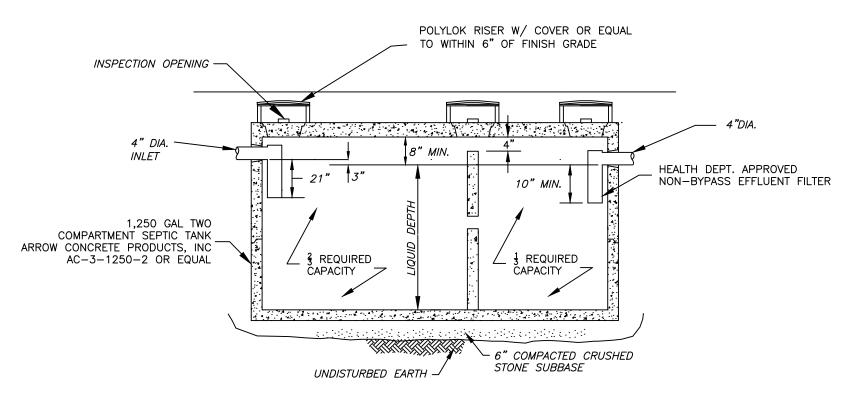
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Septic System Plan

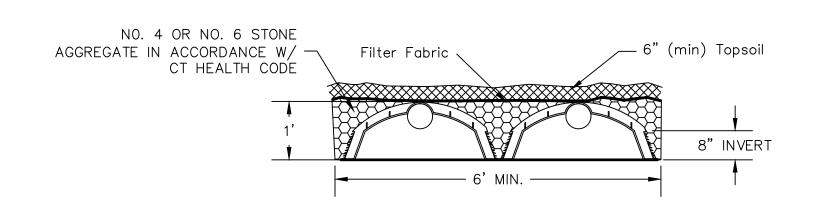
2-10-23 <u>SCALE</u> 1"=20' JOB NUMBER 2022-104

3 of 4

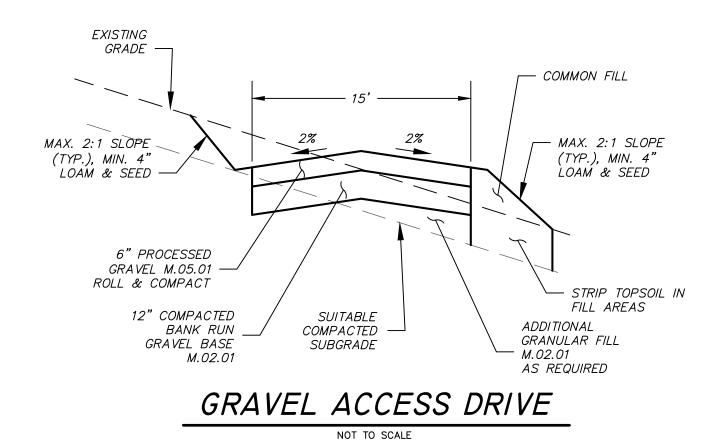
AS-BUILT LOCATION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) (TO BE MEASURED BY INSTALLER PRIOR TO BACKFILLING) DISTANCE FROM SEPTIC SYSTEM COMPONENT BUILDING CORNER "A" BUILDING CORNER "B"

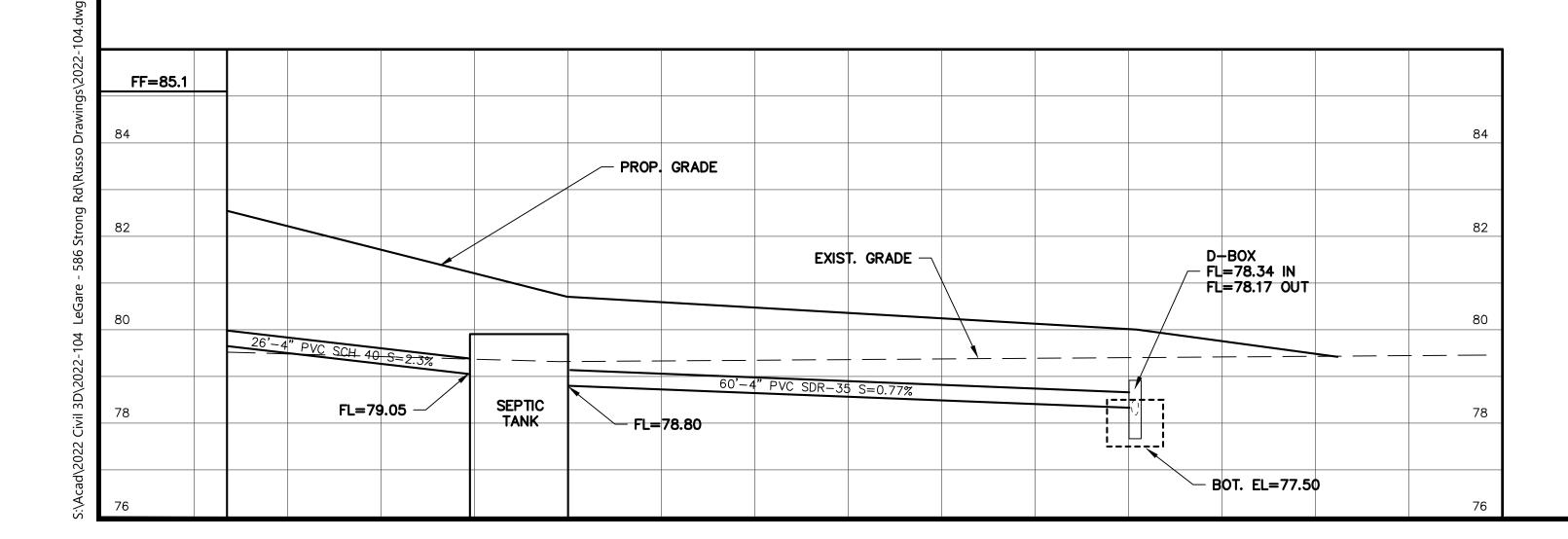


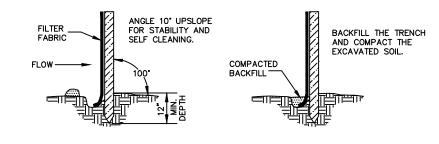
1,250 GAL TWO COMPARTMENT SEPTIC TANK NO SCALE

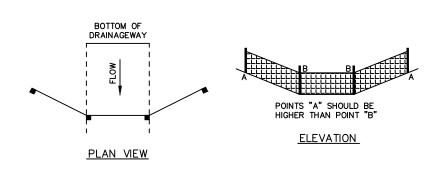


TYPICAL SECTION OF TWIN QUICK 4 STANDARD INFILTRATORS N.T.S.



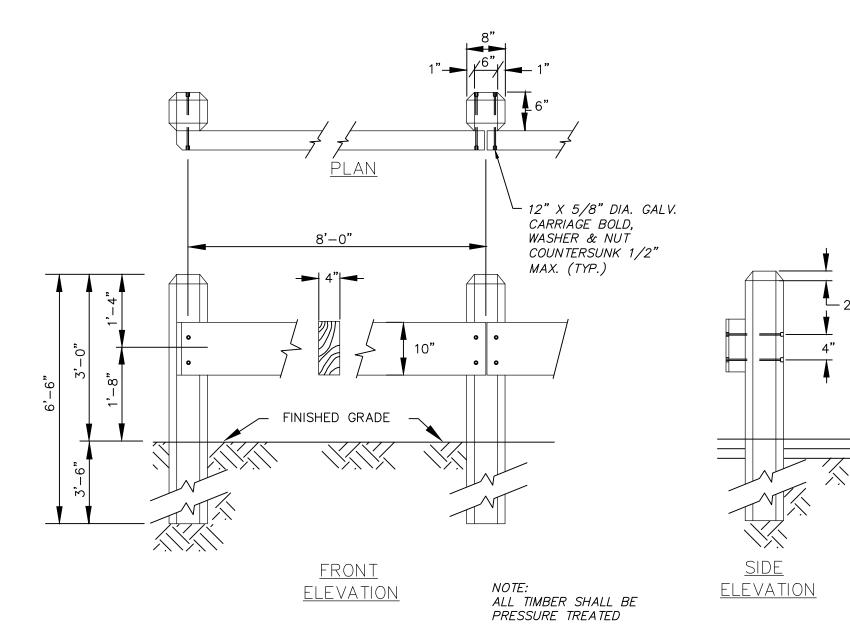




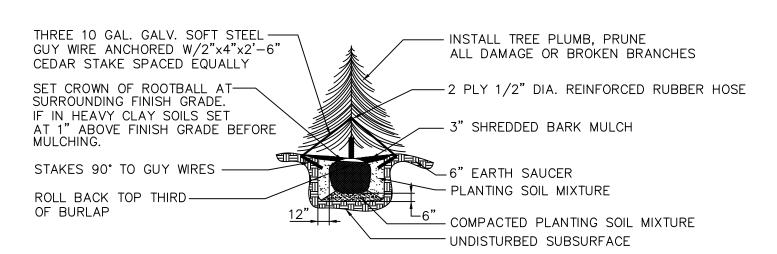


SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

#### PLACEMENT & CONSTRUCTION OF A SYNTHETIC FILTER BARRIER NOT TO SCALE



TIMBER GUIDE RAIL



EVERGREEN TREE PLANTING NOT TO SCALE

Jan **REVISIONS** BY: LF/TAC CHK: JEU

Danny

Detail Sheet <u>DATE</u> 2-10-23 <u>SCALE</u> 1"=20'

JOB NUMBER 2022-104 SHEET 4 of 4