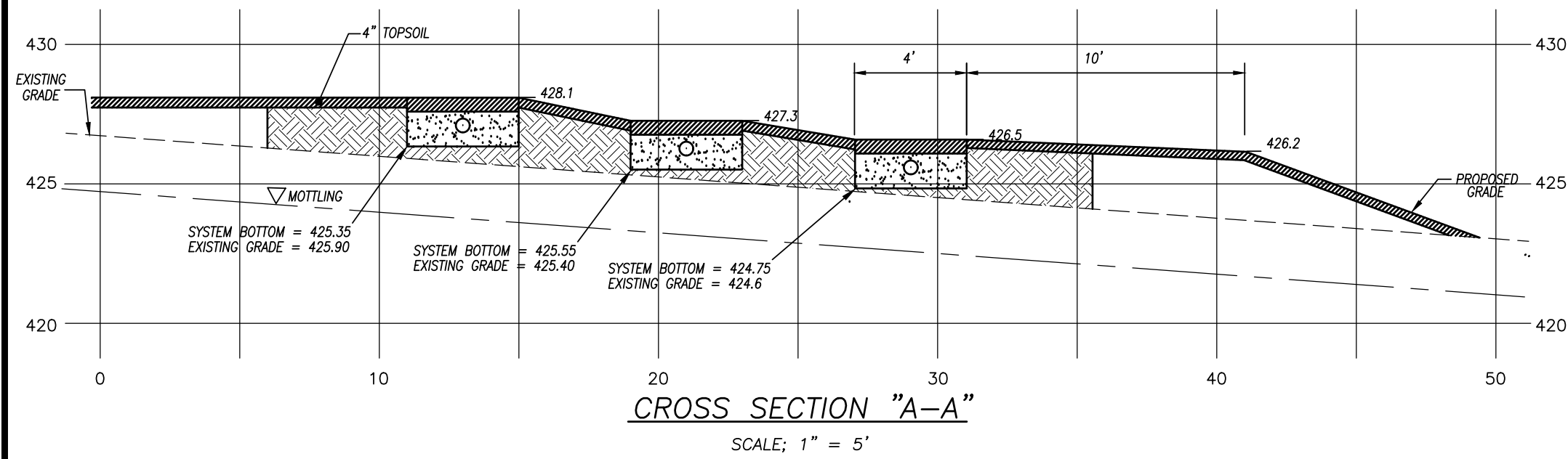




OVERFLOW / DISTRIBUTION
BOX DETAIL

NOT TO SCALE

TYPICAL LEACHING
TRENCH SECTION

NOT TO SCALE

1,000 GALLON TWO-COMPARTMENT
SEPTIC TANK

NOT TO SCALE

DISTRIBUTION BOX DETAIL

NOT TO SCALE

EROSION & SEDIMENTATION NOTES AND
SEQUENCE OF OPERATIONS

- The proposed activity consists of the construction of a 4 bedroom house, driveway, septic system and well.
- The Town of Pomfret shall be notified prior to commencement of construction and at key point during construction so that inspections of erosion and sedimentation control measures can be scheduled.
- Prior to any construction, excavation or filling, all improvements shall be accurately staked in the field by a land surveyor registered in the State of Connecticut.
- After field staking all erosion sedimentation control devices as shown on the plan and as detailed shall be installed. Properly installed haybales maybe used in lieu of silt fence.
- All trees and brush within the areas of disturbance shall be removed. All limbs and saplings less than 4" in caliper shall be chipped and stockpiled for later reuse as slope stabilization and mulch material. All trees in excess of 4" in caliper shall be removed from the site and disposed of in a manner consistent with State, Federal, and local regulations. Stumps shall be excavated from the area of disturbance and likewise disposed of in a manner consistent with all applicable laws.
- Final grades shall be achieved as quickly as possible, and immediately thereafter, sideslopes shall be stabilized with 4" of topsoil. The area shall be seeded and mulched with straw mulch in accordance with the specifications contained herein.
- All erosion and sedimentation control measures shall be constructed in accordance with standards and specifications of the "Connecticut Guidelines for Soil Erosion and Sedimentation Control (2002)", as amended
- All control measures shall be maintained in effective conditions throughout the construction period and shall be inspected periodically but not less than once per month, and after a total rainfall in one storm event of 1 inch in 24 hours. Sediment shall be promptly removed from control structures and disposed of on-site in upland areas outside the buffer zone of wetlands. Any silt fence or hay bales damaged as a result of a storm event or construction activities, shall be immediately repaired.
- The responsibility for implementation of this plan shall rest with Jasmine Lee, 26 Cedar Dr., Brooklyn, CT, 06234 Telephone: (917) 679-2475
- Seed Mixture:

SEED	LBS./1000 S.F.
CREeping RED FESCUE	0.45
REdTOP	0.05
PERenNAL RYEGrASS	0.20
KENTUCKY BLUEGrASS	0.15
TOTAL:	0.85
AFTER SEEDING IS COMPLETE SPREAD MULCH AT THE RATE OF 1 HAYBALE/500 S.F.	

11. Schedule of construction actuary:

Lot Clearing:	Dec 1 - Dec 15
Well Drilling:	Dec 15 - Jan 1
Site Grading and Foundation Construction:	Jan 1 - Jan 15
Driveway and Septic System Installation:	Jan 15 - Feb 1
Building Construction:	Feb 1 - Apr 1
Loam and Seeding:	Apr 1 - Apr 15

NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
 - Survey Type: General Location Survey.
 - Topographic features conform to a Class "T-2", "V-3" vertical accuracy.
 - Boundary lines shown conform to a Class "D" horizontal accuracy and were compiled from other maps, record research or other sources of information, not to be construed as having been obtained as the result of a field survey, and subject to such change as an accurate field survey may disclose

2. Owner / Applicant: Jasmine Lee & Yong Lee

3. Parcels shown as Lot #25.95, Block L on Assessors Map #10

4. Elevations based on National Geodetic Vertical Datum of 1929. Contours taken from actual field survey. Contour interval = 2'.

5. Parcel improvements are located in Flood Hazard Zone "A" and "C" as shown on FIRM Map 090163 0010 B, Dated April 17, 1985

6. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.

MAP REFERENCES:

- "Boundary Line Adjustment Plan Prepared for Richard F. Dibonaventura, Jr. & Karyn E. Dibonaventura - Longmeadow Drive - Pomfret, Connecticut - Scale: 1" = 30' - Dated January 24, 2019 - Prepared by KWP Associates"
- "Site Development Plan Prepared for Richard F. Dibonaventura & Patricia A. Dibonaventura - Longmeadow Drive - Pomfret, Connecticut - Scale: 1" = 40' - Dated November 2, 1993 - Revised to February 6, 1995 - Prepared by KWP Associates"

SEPTIC SYSTEM CONSTRUCTION NOTES

- The building and septic system shall be accurately staked in the field prior to construction by a licensed Land Surveyor in the State of Connecticut.
- Topsoil shall be removed and the area of primary leaching field scarified prior to placement of fill. Fill shall meet the gradation requirements noted below. Fill material shall be approved by the engineer or the sanitarian prior to placement. It shall be compacted in six-inch lifts and shall extend a minimum of fifteen feet (15') beyond the last leaching trench before tapering off.

Septic System Fill Gradation Requirements

Coarse Fraction (less than 3" and greater than No. 4 sieve): 45% Max.

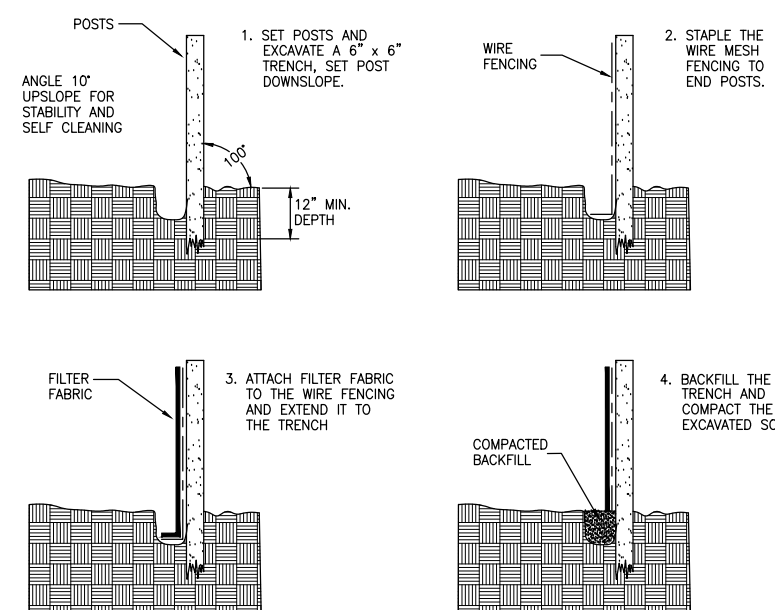
Fine Fraction:

Sieve	WET	DRY
No. 4	100	100
No. 10	70-100	70-100
No. 40	10-50*	10-75
No. 100	0-20	0-5
No. 200	0-5	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 the #200 sieve does not exceed 5%.

- Precast septic tanks & distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
- Solid distribution pipe shall be 4" diameter SDR-35 PVC meeting ASTM D-3034 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.

- Sewer pipe from the foundation wall to the septic tank shall be centrifugally cast iron meeting the requirements of ASTM A 74 or schedule 40 PVC meeting ASTM-1785.
- Foundation drain outlet shall be 4" diameter SDR-35 PVC meeting the requirements of ASTM D-3034 with rubber compression gasket joints and backfilled with a non free-draining material.



SILT FENCE

NOT TO SCALE

U/G UTILITIES CONDUIT IN TRENCH

NOT TO SCALE

NOTE: 1. CONTRACTOR TO VERIFY SIZES OF CONDUITS WITH RESPECTIVE UTILITY COMPANIES
2. SCH-40 RIGID GALVANIZED STEEL SHALL BE USED FOR ALL SWEEPS

LEGEND

- IRON PIN FOUND
- STONEWALL
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROP. SPOT ELEVATION
- DEEP TEST PIT LOCATION
- PERCOLATION TEST LOCATION
- SILT FENCE

FOUNDATION DRAIN
OUTLET

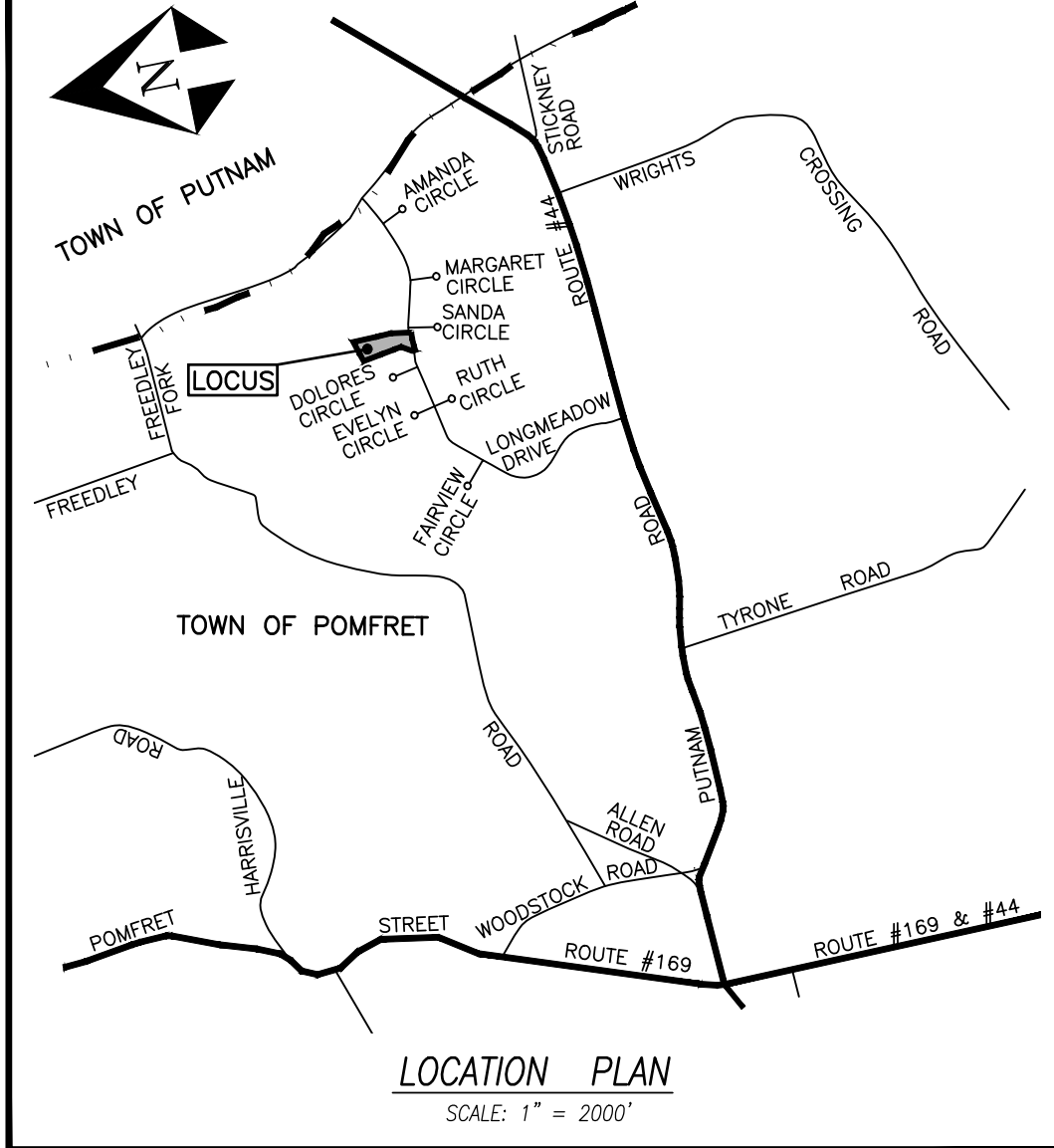
NOT TO SCALE



To my knowledge and belief, this map is substantially correct as noted herein.

KWP associates
P.O. BOX 1033 POMFRET CENTER, CT, 06239
DAVID A. SMITH, P.E. #14173 DATE 11/2/2020
NOT VALID UNLESS SEAL IS AFFIXED HERETO

Bruce D. Woods 11/2/2020
BRUCE D. WOODS, Conn. L.S. #13646
No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.



DEEP TEST HOLE EVALUATION - September 10, 2020
Observed by: Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0" - 2"	Topsoil / Organics
	2" - 21"	Tan Very Fine Sandy Loam
	21" - 80"	Gray / White Very Compact Sandy Pan
	Ledge	N/A
	GW	N/A
	Restrictive	21"
2	0" - 13"	Topsoil / Organics
	13" - 24"	Red / Brown Very Fine Sandy Loam
	24" - 78"	Gray Very Fine Compact Sandy Pan
	Ledge	N/A
	GW	N/A
	Restrictive	24"

PERCOLATION TEST DATA - September 10, 2020
Performed by: Northeast District Department of Health

A	10:18	2"
	10:28	4"
	10:38	5 1/2"
	10:48	6 3/4"
	10:58	7 1/4"
	11:08	7 7/8"
	Depth	22"

Minimum Percolation Rate = 20 min./inch

BASIS OF SANITARY DESIGN

Percolation Rate	= 20 min. / in.
4 bedroom house requires	= 675 s.f. effective leaching area
Effective Leaching area	= 3 s.f. / l.f. of trench
Length Required	= 787.5/3 = 262.5 l.f.
Length Provided	= 4 (67') = 268 l.f.
Min. Leaching system Spread (MLSS)	= 30 x 1.75 x 1.25 = 65.6'
MLSS Provided	= 134'

LEACHING FIELD

4 Trenches @ 67 l.f. each
Maximum depth into existing grade = 3'

SOIL PIPE @ BUILDING
F/L = 428.00
SEPTIC TANK
1000 GALLON TWO COMPARTMENT
F/L IN = 426.75
F/L OUT = 426.50
DISTRIBUTION BOXES
D-1 (OVERFLOW)
F/L IN = 426.00
F/L OUT = 426.25
D-2 (STANDARD)
F/L IN = 425.50
F/L OUT = 425.25

DATE	REVISIONS DESCRIPTION	BY
11/30/2020	REVISED DRIVEWAY TOPOGRAPHY AND GRADING	JES
11/6/2020	REVISED SEPTIC SYSTEM, WELL, DRIVE GRADING, UNDERGROUND UTILITIES	JES

Septic System Design Plan
Prepared For
JASMINE LEE
&
YONG LEE
LONGMEADOW DRIVE
POMFRET, CONNECTICUT

KWP associates
SURVEYING ~ ENGINEERING ~ SITE PLANNING

250 Killingly Road
Pomfret Center, Ct. 06239-0106

SCALE: 1" = 30'

DATE: 11/2/2020

SHEET: 1 OF 1

PROJ # 85064 FB:

Dwn: JES Chk: