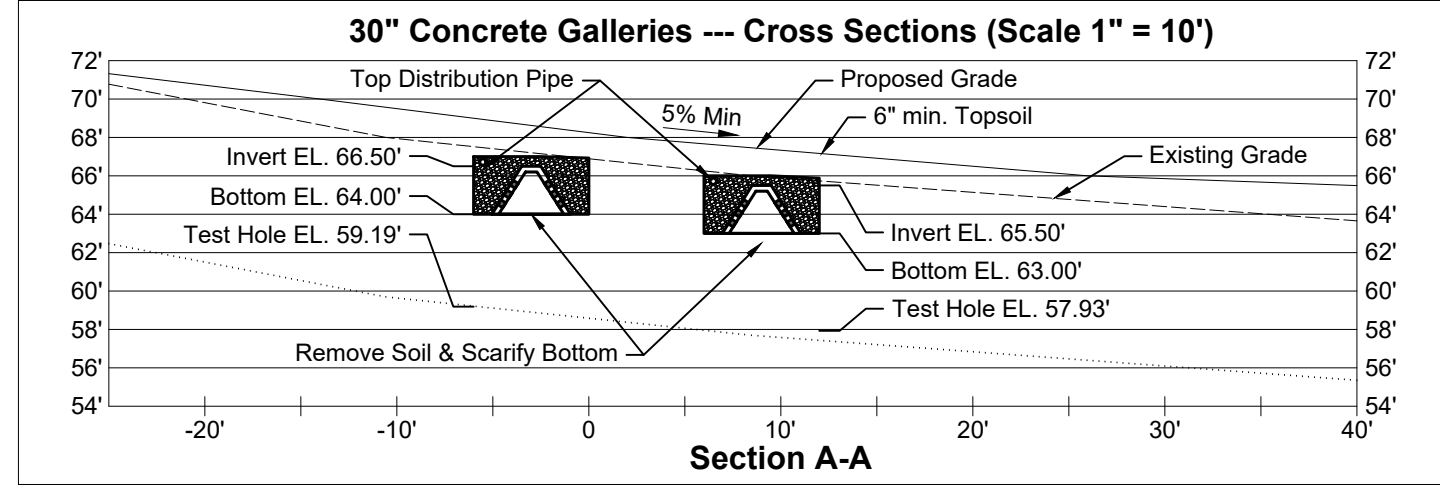


- GENERAL NOTES:**
- All SURVEY DATA, BOUNDARY LINES, and TOPOGRAPHY are from a PLOT PLAN of 40 Weston Road, Weston, CT prepared for 40 WESTON ROAD LLC and prepared by Leonard Surveyors, LLC, and dated 12 March 2025 and last revised 9 June 2025.
 - All construction methods, materials, and installation shall be in accordance with all applicable Local, State, and Federal regulations.
 - It is the responsibility of the Contractor to review all plans and specifications associated with the scope of work prior to initiating construction. Should a conflict arise pertaining to the construction documents or applicable codes and local regulations, the Contractor shall notify the Engineer of Record in writing prior to the start of construction. Failure by the Contractor to notify the Engineer constitutes acceptance of full responsibility to carry out the scope of work in accordance with the construction documents, codes, and regulations.
 - The Contractor shall contact "Call Before You Dig" at 811 or 1-800-922-4455 to locate underground utilities on property and show service lines to building from public utilities.
 - Any site conditions substantially different from those represented in the plans and any unforeseen conditions shall be brought to the attention of the Engineer of Record prior to any construction activities.
 - A benchmark shall be set by a land surveyor and the contours in the proposed leaching field and infiltration basins confirmed by the Surveyor or Contractor prior to installation.
 - All references to CT DOT shall conform to the State of Connecticut Department of Transportation Standard Specifications Form 817, including the most current supplemental specifications.
 - All areas of disturbance shall be stabilized with turf establishment on 6 inch min. topsoil.
 - Sweeps shall be used for all sharp bends in stormwater pipe.

- EROSION AND SEDIMENT CONTROL NOTES:**
- The Contractor shall adhere to the 2023 Connecticut Guidelines for Soil Erosion and Sedimentation Control.
 - All erosion and sediment control measures shall be installed prior to the start of contributing construction activities.
 - Sediment Control System (SCS) shall be installed along the toe of all critical cut and fill slopes.
 - SCS shall be inspected and maintained at least weekly, after any rain events greater than 0.1 inch, and daily during extended periods of rainfall. SCS shall be maintained to ensure it is in a functional condition at all times.
 - The Construction Entrance shall be installed prior to any earth work and shall be inspected and maintained regularly to ensure it is in a functional condition at all times.
 - Upon completion of the associated work, the Contractor shall immediately clear all areas of all forms, false work, piling, debris or other obstructions created or caused by construction operations.
 - In all cases, the Contractor shall implement stabilization measures as soon as possible after soil disturbance. Where construction activities have been permanently ceased or have temporarily been suspended for more than seven days, or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas that will remain disturbed but not in active construction for 30 days or more shall be stabilized within the first seven days of that period.
 - A minimum of 6 inches, after tamping, of top soil shall be placed to finished grade in all areas of turf establishment.
 - All disturbed areas shall receive turf establishment. All slopes steeper than 4H:1V shall be furnished with an appropriate erosion control matting. All slopes steeper than 2H:1V shall be furnished with crushed stone.

40 Weston Road, Weston, CT	
ELA Calculation	
No. BR =	9 BR (Single Family)
Perc. Rate =	10 min/in
Required ELA =	495 + 6x(82.5) = 990 sq.ft.
LS Product =	30" Gallery w/Top Dist. Pipe
ELA Credit =	8.2 sq. ft. / LF
LS Length Provided =	128 LF (ELA = 1049.6 sq.ft)
Minimum Leaching System Spread	
MLSS = HFxFPF =	Not Applicable - RS Depth > 60"
Septic Tank Sizing Calculation	
No. BR =	9 BR (Single Family) + 100-200 gal. tub
Required Size =	(1000)+6x(125)+(250) = 2000 gal.
Proposed Tank Size =	2000 gallon concrete tank
Design Flow Calculation	
No. BR =	9 BR (Single Family)
Design Flow =	3x(150) + 6x(75) = 900 gpd



Proposed Grade	
PT 1	73.0
PT 2	72.2
PT 3	72.7
PT 4	72.5
PT 5	72.7
PT 6	72.7
PT 7	63.8
PT 8	63.9
PT 9	72.3
PT 10	72.7
PT 11	72.5
# Gr. Points	11
Ave. Grade	71.00
Roof Grade	105.21
Height	34.21

Percolation Test Hole No.: P-1		
Date:	7/18/2025	Depth: 24.0 in.
Time	Reading (in.)	Rate (min/in)
11:20 AM	PRESOAK	-----
1:34 PM	9.75	-----
1:44 PM	20.50	0.9
1:49 PM	21.50	5.0
REFILL	7.00	-----
1:54 PM	16.50	0.5
1:59 PM	19.00	2.0
2:04 PM	20.00	5.0
2:09 PM	21.00	5.0
2:14 PM	22.25	4.0

Percolation Test Hole No.: P-2		
Date:	7/18/2025	Depth: 31.0 in.
Time	Reading (in.)	Rate (min/in)
11:30 AM	PRESOAK	-----
1:35 PM	20.00	-----
1:45 PM	23.00	3.3
1:55 PM	24.25	8.0
2:05 PM	25.25	10.0
2:15 PM	26.00	13.3
2:25 PM	26.75	13.3
2:35 PM	27.50	13.3

Percolation Test Hole No.: P-3		
Date:	7/18/2025	Depth: 17.0 in.
Time	Reading (in.)	Rate (min/in)
11:45 AM	PRESOAK	-----
1:38 PM	4.50	-----
1:46 PM	5.50	8.0
1:56 PM	6.50	10.0
2:06 PM	7.50	10.0
2:16 PM	8.50	10.0
2:26 PM	9.25	13.3
2:36 PM	10.00	13.3

Percolation Test Hole No.: P-4		
Date:	7/18/2025	Depth: 71.5 in.
Time	Reading (in.)	Rate (min/in)
12:00 PM	PRESOAK	-----
1:41 PM	61.00	-----
1:48 PM	69.00	1.0
1:58 PM	DRY	-----
REFILL	60.00	-----
2:03 PM	66.50	1.5
2:08 PM	DRY	-----

Deep Test Hole No.: D-1		
Date:	7/18/2025	Depth: 68.00'
0" - 8"	Top Soil	
8" - 33"	Light Red-Brown Sandy Loam	
33" - 99"	Light Brown Sand w/Cobbles	
Roots:	33"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	99" - Bottom of Test Hole	

Deep Test Hole No.: D-2		
Date:	7/18/2025	Depth: 66.00'
0" - 10"	Top Soil	
10" - 30"	Light Red-Brown Sandy Loam	
30" - 62"	Light Brown Sand w/Cobbles	
62" - 112"	Dark Brown Sand w/Cobbles	
Roots:	30"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	112" - Bottom of Test Hole	

Deep Test Hole No.: D-3		
Date:	7/18/2025	Depth: 66.00'
0" - 27"	Miscellaneous Fill	
27" - 35"	Original Top Soil	
35" - 54"	Light Red-Brown Sandy Loam	
54" - 111"	Light Brown Sand w/Cobbles	
Roots:	54"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	111" - Bottom of Test Hole	

Deep Test Hole No.: D-4		
Date:	7/18/2025	Depth: 63.00'
0" - 31"	Miscellaneous Fill	
31" - 35"	Original Top Soil	
35" - 52"	Yellow-Brown Sandy Loam	
52" - 97"	Dark Brown Sand w/Cobbles	
Roots:	52"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	97" - Bottom of Test Hole	

Deep Test Hole No.: D-5		
Date:	7/18/2025	Depth: 67.00'
0" - 24"	Miscellaneous Fill	
24" - 32"	Original Top Soil	
32" - 67"	Yellow-Brown Sandy Loam	
67" - 114"	Dark Brown Sand w/Cobbles	
Roots:	67"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	114" - Bottom of Test Hole	

Deep Test Hole No.: D-6		
Date:	7/18/2025	Depth: 65.00'
0" - 11"	Top Soil	
11" - 47"	Yellow-Brown Sandy Loam	
47" - 107"	Dark Brown Sandy Loam	
Roots:	47"	
Mottling:	47"	
Water:	95"	
Ledge:	NO	
Restrictive:	47" - High Groundwater	

Deep Test Hole No.: D-7		
Date:	7/18/2025	Depth: 69.5'
0" - 24"	Miscellaneous Fill	
24" - 32"	Original Top Soil	
32" - 67"	Yellow-Brown Sandy Loam	
67" - 114"	Dark Brown Sand w/Cobbles	
Roots:	67"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	112" - Bottom of Test Hole	

Deep Test Hole No.: D-8		
Date:	7/18/2025	Depth: 63.00'
0" - 30"	Miscellaneous Fill	
30" - 83"	Brown Coarse Sand	
83" - 112"	Brown Coarse Sand w/trace Silt	
Roots:	12"	
Mottling:	NO	
Water:	NO	
Ledge:	NO	
Restrictive:	112" - Bottom of Test Hole	

SELECT FILL REQUIREMENTS:

- Clean sand, or sand and gravel, with no organic matter/foreign debris
- NO MATERIAL contained on the 3" sieve
- ≤ 45% of the Dry Weight of the sample may be retained on #4 sieve
- Material passing #4 sieve is reweighed and the sieve analysis started
- The remaining sample shall meet the following gradation:

SIEVE SIZE	WET SIEVE	PERCENT PASSING	DRY SIEVE
#4	100		100
#10	70 - 100		70 - 100
#40	10 - 50	or 10 - 75	10 - 75
#100	0 - 20	or 0 - 10	0 - 5
#200	0 - 5	or 0 - 5	0 - 2.5

- SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) NOTES:**
- The SSDS shall be installed and operated in accordance with the "Technical Standards for Subsurface Sewage Disposal Systems" published by the Commissioner of Public Health in Connecticut. Any inconsistencies between these plans and the Technical Standards shall be brought to the attention of the Engineer prior to any construction activities.
 - The SSDS has been designed in accordance with all State and Local regulations and design principles. However, system failure may occur due to misuse, excessive water use, improper installation, and/or future grading or an indeterminate future site condition that may develop.
 - The septic tank shall be pumped every 3-5 years, depending on extent of use.
 - The Contractor shall locate and protect the area of the proposed leaching field from construction, staging, and storage of equipment and materials that would harm the ability of the SSDS to function as designed.
 - Design flows are based on a single family building containing 9 bedrooms, no garbage grinder, and one large bathtub between 100-200 gallons. The proposed home contains 6 bedrooms and a "Phase 2" addition to the proposed home would include an additional 3 bedrooms.
 - A small discharge (<150 GPD) water treatment wastewater dispersal system shall be installed as shown if required; the field shall be 5 ft wide by 10 ft long by 1.6 ft in depth of 1 1/2" clean washed crushed stone with 40% voids (total storage = 239 gallons).
 - The proposed Leaching System (LS) consists of two rows totaling 128 LF of 30" Concrete Galleries with top distribution effluent piping and a concrete baffle box and two concrete distribution boxes. Components of the leaching system shall be installed in accordance with the CT Technical Standards.
 - The residence is serviced by a PRIVATE WATER SUPPLY WELL. The water line shall be a minimum of 10 feet from any portion of the SSDS; any portion within 25 feet of the SSDS shall NOT be backfilled with free draining material.
 - The building sewer shall be 4" Sch. 40 PVC with min. 1/4"/ft grade along entire length. Cumulative change in direction shall not exceed 45 degrees along entire length without a cleanout provided to grade. Length of pipe shall not exceed 75 feet without a cleanout provided to grade.
 - Effluent distribution piping shall be 4" SDR-35 and with min. 1/8"/ft grade along entire length from septic tank to pump chamber and from the baffled distribution box to each splitter distribution box. Force main piping shall be 2" Sch. 40 PVC with solvent welded joints with min. 1/8"/ft grade along entire length, ensuring no low points are created in which effluent can't drain following a dosing cycle to prevent freezing.
 - Water Treatment Discharge piping shall be 2" PVC Sch. 40 with min. 1/4"/ft grade along entire length.
 - The ground surface over the entire SSDS shall be graded and maintained to lead surface water away from the system and prevent surface ponding over all parts of the system. There shall be a min. of 6" of topsoil, after tamping, covering all components of the SSDS.
 - A layer of CT DPH approved filter fabric shall be placed over the leaching system prior to backfilling. Minimum average roll values for fabric shall have a unit weight of 1.5 oz./sq. yd., a permittivity of 1.0/sec., a trapezoidal tear strength of 15 lbs., and shall bear the appropriate manufacturer's label specifying the product's name and identification number.
 - No sources of potential pollution on adjacent properties are known to exist as of the date of the soil testing.
 - No wells are known to be located within 75 feet of the SSDS.
 - No groundwater drains shall be located within 25 ft upgradient or on the side of SSDS components or 50 ft downgradient of SSDS components.
 - No stormwater infiltration systems shall be located within 50 feet of the leaching field or 25 ft of the septic tank.
 - No drainage facilities shall be located within 25 feet of the SSDS. Any drainage piping within 25 feet of any component of the SSDS shall be a light pipe (Schedule 40 or SDR-35 PVC w/wo-solvent weld joints), not backfilled with free draining material, and a min. 5 ft from SSDS components. Any stormwater structure within 25 feet of the septic tank or pump chamber shall be watertight and constructed with rubber joint seals and watertight pipe connection seals (i.e. ASTM C 923), shall not collect any groundwater, and shall be a minimum of 10 ft from the septic tank or pump chamber.

- GENERAL CONSTRUCTION SEQUENCE:**
- Establish all erosion and sedimentation controls. Install the construction entrance.
 - Remove and stockpile topsoil from the areas to be disturbed.
 - Complete rough grading of site for driveway and home.
 - Install foundation for home, retaining walls, and complete remaining rough grading of site.
 - Construct Home.
 - Excavate for septic system, scarify soil, and complete inspection with Local DOH and Engineer of Record.
 - Install septic system, complete inspection of septic system installation with Local DOH and Engineer of Record.
 - Backfill, cover with 6" of topsoil, hay & seed, and protect area within 2 days of inspection.
 - Excavate for underground drainage system, scarify soil, and complete inspection with Engineer of Record.
 - Install underground drainage units, catch basins, & storm pipes and complete inspection with Engineer of Record.
 - Backfill stormwater system upon completion of inspection.
 - Complete remaining site work, hardscapes, and utilities.
 - Complete final grading, hay and seed site, and plant trees/shrubs/flowers.
 - Remove construction entrance, pave, and hay and seed any remaining disturbed area.
 - After site is stabilized, remove erosion and sedimentation controls.

- EXCAVATION AND FILL NOTES:**
- Clean Fill Certification shall be provided for all fill material deposited on this site.
 - Structural Fill requirements, design, and specifications shall be as provided by others.
 - Any introduced Soil shall be free of any hazardous or polluting substances including, without limitation, any oil or petroleum products or any chemical liquids or solids
 - Stumps excavated from the property shall not be buried on such property.
 - No stockpile of excavated material shall be within 50 feet of any property line or for longer than 60 days.
 - No hazardous or polluting substance may be buried.
 - Mechanical processing of excavated soil is prohibited.
 - There shall be no sharp declivities, pits, or depressions.
 - Proper surface drainage shall be maintained and groundwater shall not be polluted.
 - The premises shall be cleared of debris and temporary structures after completion of excavation and filling.
- Proposed Clean Fill = 2,883 cu.yd**
Proposed Cut = 242 cu.yd
NET CLEAN FILL REQUIRED = 2,591 cu.yd

No.	Date	Revision Description	PLOT DATE: 2/18/2026
LEGEND			
— 315 —		- Existing Contour	▭ - Stockpile Area
— 315 —		- Proposed Contour	▣ - Deep Test Hole
— scs —		- Silt Fence (SCS)	● - Perc. Test Hole
▭		- Construction Entrance	— E —
▭		- Stone/Retaining Wall	— GAS —
			— w —
PROJECT TITLE:		SITE PLAN for NEW HOME	
LOCATION:		40 Weston Road Weston, Connecticut	
DESIGNER: JMG		Prepared for: Thomas & Angela Shrager	
DATE: 12/23/2025		SCALE: 1" = 20'	
DESIGNER: JMG		EMBOSSSED SEAL	
DWG No.: 1 of 2		FORCE ENGINEERING, LLC 65 Kellers Farm Road Easton, CT 06612 860-705-8271 www.Force-CT.com	

