

THE HOUSE AND SEPTIC LOCATION SHOWN IS ONE OF MANY POSSIBLE LAYOUTS, HOWEVER ANY VARIATION FROM THIS PLAN MUST BE APPROVED BY THE ENGINEER OF RECORD, AND ALL APPLICABLE REGULATIONS MUST BE FOLLOWED.

ALL CONSTRUCTION METHODS AND MATERIALS, SHALL BE IN ACCORDANCE WITH THE STANDARDS AND POLICIES OF THE LOCAL HEALTH DEPARTMENT AND THE STATE OF CONNECTICUT DEPARTMENT OF HEALTH PUBLIC HEALTH CODE SECTIONS 19-131-03GA

19-13-15-03

THE PURPOSE OF THE PROPOSED SEPTIC SYSTEM IS TO DISPOSE OF DOMESTIC SEWAGE CONSISTING OF WATER AND HUMAN EXCRETIONS OR OTHER WATERBORNE WASTES AND TO PREVENT THE RELEASE OF A LARGER AMOUNT OF WASTEWATER TO THE GROUND OR WASTEWATER FROM WATER SOFTENING EQUIPMENT, WATER FROM CELLAR OR FLOOR DRAINS OR SURFACE WATER FROM ROOFS, PAVED SURFACES OR YARD DRAINS.

4 THE LIQUID CAPACITY OF A SEPTIC TANK SHALL BE INCREASED WHENEVER A RESIDENTIAL SEPTIC TANK CONTAINS A GARBAGE GRINDER. THE INCREASE SHALL BE IN ACCORDANCE WITH THE FOLLOWING: GARBAGE GRINDER: ADD 250 GALLONS TO REQUIRED CAPACITY OF THE SEPTIC TANK. GARBAGE GRINDERS ARE NOT RECOMMENDED FOR USE WITH SUBSURFACE SEWAGE DISPOSAL SYSTEMS. LARGE TUB: 100 TO 200 GALLON TUB: ADD 250 GALLONS TO REQUIRED CAPACITY OF THE SEPTIC TANK. OVER 200 GALLON TUB: ADD 500 GALLONS TO REQUIRED CAPACITY OF SEPTIC TANK.

5 THERE ARE NO APARENT SEPTIC SYSTEMS WITHIN 75' OF THE PROPOSED WELL, AND NO PROPOSED SEPTIC SYSTEMS WITHIN 75' OF THE PROPOSED WELL.

6 FUEL OIL TANKS (IF ANY) SHALL BE INSTALLED INSIDE THE PROPOSED BUILDING.

7 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLAN PRIOR TO COMMENCING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER WHO SHALL BE RESPONSIBLE FOR CORRECTING ANY SUCH DISCREPANCIES.

8 THE LEACHING AREAS SHALL BE DELINEATED AND PROTECTED FROM HEAVY EQUIPMENT TRAFFICKING OR STOCKPILES THROUGHOUT THE CONSTRUCTION PERIOD. LEACHING AREAS SHALL BE PROTECTED AT ALL TIMES FROM SURFACE WATER RUNOFF BY APPROPRIATE GRASS OR SURFACE WATER RUNOFF SHALL NOT BE PERMITTED TO ENTER ANY PART OF THE LEACHING SYSTEM.

9 RESERVE AREA NEED NOT BE PREPARED AT THIS TIME (EXCEPT WHERE NOTED OTHERWISE) BUT MUST BE AVAILABLE FOR SUCH USE AT A DATE TO BE DETERMINED BY THE ENGINEER.

10 THE HOUSE AND SEPTIC SYSTEM ARE TO BE STAKED OUT BY A LICENSED LAND SURVEYOR, ALL PIPING WITHIN 25 FEET OF A CURTAIN DRAIN, FOOTING DRAIN, OR WELL SHALL CONFORM TO TABLE 202 OF THE TECHNICAL STANDARDS FOR THE DESIGN AND CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEMS. ALL SEPTIC TANKS SHALL BE CONSTRUCTED OF JOINTED, PERFORATED, SLOTTED PIPE (OR FRENCH DRAIN) MAY BE INSTALLED WITHIN FIFTY-FEET DOWN GRADIENT ANY PROPOSED LEACHING AREA.

11 THE SEPTIC TANK SHALL BE INSTALLED SUCH THAT THE ACCESS COVERS ARE LEFT WITHIN THE LEACHING AREAS OF THE PROPOSED LEACHING AREA. THE DESIGN REQUIRES THAT THE ACCESS MANHOLES BE CONSTRUCTED DOWN TO THE DEPTH OF THE TANK, THEY SHALL BE PLACED OVER THE INLET, OUTLET AND CENTER BAFFILES AND EXTENDED TO WITHIN TWELVE INCHES OF THE FINISHED GRADE. THE ACCESS COVERS SHALL BE LEFT IN THE LEACHING AREA. THE SEPTIC TANK AND PUMP CHAMBER SHALL BE INSTALLED ON A COMPACTED SAND BED A MINIMUM OF 6 INCHES THICK.

12 ALL PIPING BETWEEN HOUSE AND SEPTIC TANK SHALL BE CAST IRON (HUBLESS OR BELL AND SPIGOT) WITH A MINIMUM SLOPE OF 1/8" PER FOOT. 1/2" P.V.C. SCHEDULE 40, ASTM D 1785 OR HIPS STRENGTH PVC AWWA C-900 75-100 PSI, OR APPROVED EQUIV. MINIMUM SLOPE FOR 4" PIPE SHALL BE 1/4" PER FOOT. MINIMUM SLOPE FOR 6" PIPE SHALL BE 1/8" PER FOOT.

13 ALL PIPING BETWEEN THE SEPTIC TANK AND THE LEACHING AREA SHALL BE TIGHT JOINTED 4" OR LARGER DIAMETER 1/2" P.V.C. SCHEDULE 40, UNLESS OTHERWISE SPECIFIED. 6" PIPE SHALL BE SET ON A MINIMUM SLOPE OF 1/8" PER FOOT.

14 DISTRIBUTION BOXES SHALL BE MODEL "DB-3" AS MANUFACTURED BY CONNECTICUT PRECAST CONCRETE PRODUCTS COMPANY, OR APPROVED EQUIV. ALL DISTRIBUTION BOXES SHALL BE OTHERWISE NOTED. ALL DISTRIBUTION BOXES SHALL BE SET ON A MINIMUM OF TWELVE INCHES OF COMPACTED GRAVEL OR SIX INCHES OF CRUSHED STONE. HIGH LEVEL OVERFLOWS MUST BE SET IN THE UPPER THREE INCHES OF THE LEACHING STRUCTURE. THIS WILL ASSURE IN THE LEACHING SYSTEM.

15 THE SEPTIC TANK MUST POSSESS AN EFFLUENT FILTER (SEE CONNECTICUT HEALTH CODE SECTION 19-13-103 APPENDIX "B" FOR APPROVED LIST).

16 A LICENSED INSTALLER IS RESPONSIBLE TO INSTALL THE SUBSURFACE SEWAGE DISPOSAL, PLAN IN THE RANGE WITHIN THE APPROVED PLAN. A LICENSED INSTALLER SHALL VERIFY WITH THE LOCAL HEALTH DEPARTMENT THAT HE HAS THE APPROVED PLAN.

18. SELECT FILL MATERIAL SHALL BE CLEAN UNIFORM BANK RUN SANDS OR GRAVEL HAVING A GRADATION THAT ALLOWS NO MORE THAN 5% OF THE MATERIAL BY WEIGHT TO PASS THE No. 20 SIEVE. THE FILL MATERIAL SHOULD BE PLACED IN LAYERS NOT LARGER THAN 18" INCHES UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE). THE MATERIAL THAT PASSES THE #4 SIEVE (THIS IS THE SAND PORTION) SHOULD BE PLACED IN LAYERS NOT LARGER THAN 12" INCHES.

19. GRADATION TO BE AS FOLLOWS FOR SELECT FILL:

SIEVE SIZE	No. 4	No. 10	No. 40	No. 100	No. 200
WET SIEVE PERCENT PASSING	100%	70%-100%	10%-50%	0%-20%	0%-5%
DRY SIEVE PERCENT PASSING	100%	100%	100%	100%	100%

20. THE HEALTH DEPARTMENT MAY REQUIRE 3 PERCOLATION TESTS IN THE "IN-PLACE" FILL MATERIAL. ALL TEST RESULTS MUST BE FASTER THAN 1" IN 10 MINUTES. IF ANY OF THE PERCOLATION TESTS AFTER THREE ATTEMPTS DOES NOT MEET THE 1" IN 10 MINUTE REQUIREMENT, THE "SELECT FILL MATERIAL" MUST BE COLLECTED BY THE ENGINEER AND BROUGHT TO A SOIL-TESTING LABORATORY FOR A SIEVE ANALYSIS. THE SIEVE ANALYSIS REPORT MUST BE IN COMPLIANCE WITH THE CONNECTICUT PUBLIC HEALTH CODE.

21. STONE OR STONE EQUIVALENT (GRAVEL) SHALL BE USED FOR DRAINAGE CUSHIONED STONES, REEPLYING DEPARTMENT OF TRANSPORTATION FORM 816 SPECIFICATION M.61.01.FOR 4. STONE AGGREGATE SHALL BE FREE OF SILT, DIRT OR DEBRIS AND SHALL SHOW A LOSS OF ABRASION OF NO MORE THAN ONE PERCENT WHEN SUBJECTED TO 10,000 CYCLES OF ABRASION USING AASHTO METHOD T-104 NOT HAVING A LOSS OF MORE THAN 15% AT THE END OF 5 CYCLES.

22. SIEVE SIZE

	2-INCH	1.5-INCH	1-INCH	3/4-INCH	3/8-INCH	No. 40	No. 200
CLEAN BRUSH	100%	90%-100%	100%	100%	100%	100%	100%

23. CLEAR BUSH, LEAF COVER AND DEBRIS FROM AREA TO RECEIVE FILL. TREES AND BRUSH TO BE REMOVED ARE TO BE CUT FLUSH WITH EXISTING GROUND. REMOVE ANY LARGE STONES FROM SURFACE. REMOVE TOPSOIL TO THE NEXT SOIL SUBSTRATUM AND SCARIFY SURFACE. SCARIFY SURFACE SHOULD BE 12" DEEP AND MUCH MORE IF NECESSARY.

24. PREPARED AREA. SELECT FILL SHALL BE SPREAD IN 6" TO 12" LIFTS AND COMPACTED TO 90-95% MODIFIED OPTIMUM DENSITY BY ASTM 1557 METHOD "C" UNTIL THE REQUIRED ELEVATION IS OBTAINED.

25. SELECT FILL SHALL EXTEND A MINIMUM DISTANCE OF FIVE-FEET IN ALL DIRECTIONS FROM ANY PORTION OF THE PRIMARY LEACHING TRENCHES OR GALLERIES.

26. AFTER SYSTEM IS BUILT PROVIDE A MINIMUM OF 6" COMMON FILL AND 6" OF TOPSOIL COVER OVER THE FILL. THE FILL SHOULD BE PLACED IN LAYERS NOT LARGER THAN 18" INCHES.

27. GRADE ADJACENT LAND AREAS TO DRAIN AWAY FROM FILL AND LEACHING SYSTEM AREA.

27. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH THE LOCAL HEALTH
DEPARTMENT AND THE DESIGN ENGINEER. THE CONTRACTOR SHALL CONTACT THE DESIGN
ENGINEER PRIOR TO ANY INSPECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR
28. THE DESIGN ENGINEER MAY INSPECT SYSTEM CONSTRUCTION. REQUIRED INSPECTIONS MAY
INCLUDE LEACHING SYSTEM AREA PREPARATION, SELECT FILL INSPECTION AND TESTING, AND
COMPLETED SYSTEM INSTALLATION PRIOR TO BACKFILL.
29. THE CONTRACTOR SHALL SELECT MATERIAL IF REQUIRED THAT YIELD A MINIMUM PERCOLATION RATE
OF 1/10 MINUTES, AS DOCUMENTED BY PERCOLATION TESTS TO BE PERFORMED BY THE OFFICE
OF THE DESIGN ENGINEER, AS REQUIRED BY THE LOCAL HEALTH DEPARTMENT.
30. AS A CONDITION OF APPROVAL FOR THIS PLAN, AN AS-BUILT PLAN SHALL BE PREPARED BY
THE SURVEYOR. THE SURVEYOR SHALL SUBMIT THE AS-BUILT PLAN TO THE HEALTH DEPARTMENT BEFORE A
"PERMIT TO DISCHARGE" IS ISSUED. THE INSTALLER WHO COMPLETES THE SYSTEM
INSTALLATION PRIOR TO RECEIVING THE RESULTS OF THE PERCO TESTS, OR BACKFILLS ANY PART
OF THE LEACHING SYSTEM (INCLUDING THE DRAINAGE PRIOR TO AS-BUILT CONFIRMATION
OF PLAN COMPLIANCE BY THE SURVEYOR) - DOES SO AT HIS/HER OWN RISK AND POSSIBLE
EXPENSE.

31. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM. RE-STABILIZATION WILL BE SCHEDULED AS
32. SOON AS PRACTICABLE.
33. SILT FRAUD AND/OR STAKED WAYS BALES SHALL BE INSTALLED AROUND DRAINAGE INLETS AND,
34. AT THE TOE OF ALL CRITICAL CUT & FILL SLOPES.
35. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH
36. THE STANDARDS AND SPECIFICATIONS OF THE STATE OF CONNECTICUT GUIDELINES FOR
37. EROSION AND SEDIMENT CONTROL.
38. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION
39. WHENEVER POSSIBLE.
40. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE
41. CONSTRUCTION PERIOD.
42. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING CONSTRUCTION IF NECESSARY
43. OR REQUIRED.
44. ROADWAYS SHALL BE KEPT CLEAR OF SEDIMENT BY SWEEPING AS NECESSARY.
45. THE RESPONSIBILITY FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN WILL
46. REST WITH THE OWNER OF RECORD. HE ACKNOWLEDGES THAT HE IS RESPONSIBLE FOR
47. PROVIDING ALL COSTS OF EROSION AND SEDIMENT CONTROL MEASURES AND FOR THE LOCAL
48. SOIL EROSION CONTROL OFFICER OF ANY TRANSFER OF THE RESPONSIBILITY, AND FOR SEEING
49. THAT A COPY OF THE PLAN IS PROVIDED SHOULD THE TITLE TO THE LAND BE TRANSFERRED.



TH #101
0-06" TOPSOIL
06-28" YELLOW ORANGE BROWN FINE SANDY LOAM
28-42" GREY TAN VERY FINE SAND AND SILT
LEDGE@42" WATER@40" MOTTLING@28"

TH #104 ROOTS@24"
0-06" TOPSOIL
06-24" YELLOW BROWN FINE SANDY LOAM
24-48" GREY TAN FINE SAND AND SILT
LEDGE@48" WATER@32" MOTTLING@24"

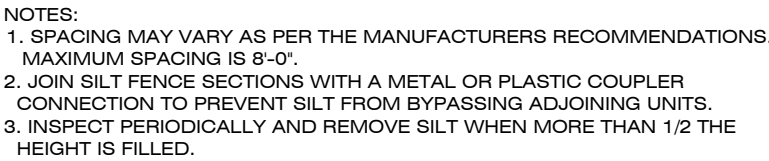
TH #106 ROOTS@26"
0-06" TOPSOIL
06-28" ORANGE BROWN FINE SANDY LOAM
28-54" GREY TAN FINE SAND AND SILT
LEDGE@54" NO WATER MOTTLING@28"



P-103
DEPTH=23"
TIME READING
12:06 12 1/2"
12:16 15"
12:26 16 1/2"
12:36 19"
12:46 20 1/4"
12:56 21 1/2"
1:06 23"
RATE 1"/5-10 MINUTES



1. Obtain Driveway permit and any other appropriate permits from The Town of Warren. The Permittee will also verify inlands wetlands approval conditions have been met.
2. A Land Surveyor shall field stake the limits of disturbance on the lot prior to construction.
3. Trees removed for the construction of the crossing within the regulated area will be hand cut. Wood chips to be retained on the site for use as mulch and to reinforce silt fences in required areas.
4. Install silt fencing required for the crossing.
5. Strip organic material, stumps and topsoil for the drive crossing.
6. Place, grade and compact structural fill material to reach the drive crossing.
7. Install Three drainage pipe stream crossing per detail.
8. Place, grade and compact structural fill material for the drive crossing.
9. Erosion control systems shall be maintained in effective condition throughout the construction period, with all soil erosion and sediment control measures, cleaned, and or replaced as necessary, or directed.
10. In order to maintain site stability, suitable gravel base material will be graded over driveways, and waterbars installed.
11. Seed and mulch appropriately for erosion and sediment control.



IMPORTANT NOTE:
UNDERGROUND UTILITIES ARE NOT SHOWN
PRIOR TO ANY EXCAVATION OR CONSTRUCTION CONTACT -
"CALL BEFORE YOU DIG" 1-800-922-4455

REVISIONS



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DATE:
2-23-2024

SCALE:
N.T.S.

DRAFT

DB NUMBER
2261

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