DESIGN CRITERIA

- 6 NUMBER OF TOTAL BEDROOMS
- 10 PERCOLATION RATE (MINUTES PER INCH)
- 30 DEPTH TO RESTRICTIVE LAYER (INCHES)
- 30.7 AVGERAGE DEPTH TO RESTRICTIVE LAYER (INCHES)
- >15 HYDRAULIC GRADIENT (%)

MLSS ANALYSIS:

- 18 HYDRAULIC FACTOR (HF)
- 2.25 FLOW FACTOR (FF)
- 1.0 PERCOLATION FACTOR (PF)

MLSS = HF x FF x PF

- 40.5 LF LEACHING SYSTEM SPREAD REQUIRED
- 100% OF MINIMUM LEACHING SYSTEM SPREAD PROVIDED

PROPOSED SYSTEM DESIGN:

128 LINEAL FEET OF 4 FEET WIDE BY 1 FOOT HIGH CONCRETE OR PLASTIC GALLERIES. 1 FOOT OF STONE SHALL BE PLACED ON THE SIDES OF THE GALLERIES AND ON THE ENDS OF THE GALLERY ROWS.

- 742.5 EFFECTIVE LEACHING AREA REQUIRED (SQUARE FEET)
- 779 EFFECTIVE LEACHING AREA PROVIDED (SQUARE FEET) (132 LF x 5.9 SF/LF = 778.8 SF PROVIDED)
- 1,500 SEPTIC TANK VOLUME (GALLONS)

GENERAL NOTES:

1. GRASS, ORGANICS, FILL AND ALL TOPSOIL IN THE PRIMARY LEACHING AREA ARE TO BE REMOVED PRIOR TO PLACEMENT OF SELECT FILL. AREA IS TO BE SCARIFIED AFTER STRIPPING TOPSOIL. HEAVY EQUIPMENT IS TO BE KEPT OUT OF THE PROPOSED SANITARY DISPOSAL SYSTEM AREAS.
2. USE APPROVED 2 COMPARTMENT SEPTIC TANK PLACED LEVEL WITH A MINIMUM OF 6 INCHES OF COVER. (H-20 LOADING IF PLACED UNDER DRIVE OR PARKING AREA.) TANK COVERS ARE TO BE EXTENDED TO GRADE AS REQUIRED. ALL NEWLY INSTALLED TANKS SHALL HAVE AN APPROVED NON-BYPASS EFFLUENT FILTER AT THE OUTLET.
3. LARGE TUBS AND GARBAGE GRINDERS REQUIRE ADDITIONAL SEPTIC TANK LIQUID CAPACITY AND SHOULD BE SIZED ACCORDINGLY. GARBAGE GRINDERS ARE NOT RECOMMENDED.
4. SET ALL DISTRIBUTION BOXES ON MINIMUM 12 INCH TRENCH STONE BASE.
5. NO AIR CONDITIONING, REFRIGERATION, WATER SOFTENER RESIDUES, SURFACE OR SUBSURFACE DRAINS ARE TO BE CONNECTED TO THE SANITARY DISPOSAL SYSTEM.
6. FOOTING DRAINS AND OUTLETS ARE TO BE A MINIMUM OF 25' FROM THE SANITARY DISPOSAL SYSTEM.
7. IF CURTAIN DRAIN IS SPECIFIED, IT SHALL BE INSTALLED PER TYPICAL DETAIL AND DESIGN PLANS.
8. THERE ARE NO KNOWN OR PROPOSED WELLS WITHIN 75' OF THE PROPOSED SANITARY DISPOSAL SYSTEM LEACHING FIELDS.
9. SELECT FILL SHALL BE COMPRISED OF CLEAN SAND & GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING CONNECTICUT PUBLIC HEALTH CODE REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA:
   1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
   2. 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).
   3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
   4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING(WET)	PERCENT PASSING(DRY)
#4	100%	100%
#10	70%-100%	70%-100%
#40	10%-50%(SEE NOTE BELOW)	10%-75%
#100	0%-20%	0%-5%
#200	0%-5%	0%-2.5%

NOTE: 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%.

10. THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH NECESSARY SELECT FILL. THE TOPSOIL IN THE LEACHING SYSTEM AREA MUST BE REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT UNLESS OTHERWISE DIRECTED BY THE DESIGN ENGINEER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVER COMPACTION OR DAMAGE. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM.
11. THE INSTALLER SHALL PROVIDE A SIEVE ANALYSIS FOR ALL SELECT FILL USED ONSITE.
12. THE DEPTH OF FILL SHOWN ON THE PROFILE IS BASED UPON THE PROFILE SECTION LINE ONLY. MORE FILL MAY BE REQUIRED IN OTHER AREAS OF THE SEPTIC SYSTEM.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF PROPER SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PER THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
14. PRIOR TO THE START OF CONSTRUCTION THE PROJECT SURVEYOR IS TO SET A BENCHMARK IN THE SEPTIC AREA AND STAKE THE PROPOSED LEACHING FIELDS.
15. PERCOLATION TESTS HAVE BEEN CONDUCTED WITHIN 10 FEET OF THE CORRESPONDING DEEP TEST UNLESS OTHERWISE NOTED.
16. MODIFCATIONS TO THIS PLAN SHALL BE AUTHORIZED BY THE PROJECT ENGINEER AND APPROVED BY THE LOCAL DIRECTOR OF HEALTH.

SPECIFIC NOTES:

1. THE WASHINGTON HEALTH DEPARTMENT REQUIRES AN AS-BUILT BY THE DESIGN ENGINEER.
2. THE SUBSURFACE SEWAGE DISPOSAL SYSTEM DESIGN IS TO BE INSTALLED.
3. THE EXISTING SEPTIC TANK IS TO BE PUMPED AND CRUSHED. THE EXISTING LEACHING FIELDS ARE TO BE ABANDONED.
4. THE EXISTING WELL IS TO BE ABANDONED IN A MANNER APPROVED BY THE STATE HEALTH DEPARTMENT.
5. THE EXISTING HOUSE IS TO BE RAZED AND ALL MATERIAL REMOVED AND DISPOSED OF OFF SITE IN DUMPSTERS.

PUMP DESIGN CRITERIA AND NOTES

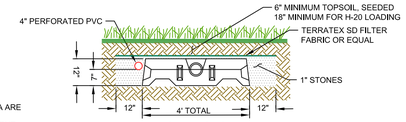
1. PUMP CHAMBER IS TO BE A CONVERTED 1,000 GALLON SEPTIC TANK OR EQUAL.
2. TANK COVERS SHALL BE PLACARDED WITH NOTIFICATION AS TO THE DANGER OF ENTERING THE CHAMBER DUE TO NOXIOUS GASSES.
3. USE ONE (1) GOULDS MODEL 3885 WE15H 1.5 HP PUMP OR EQUAL.
4. IF TWO PUMPS ARE USED, SET PUMPS TO ALTERNATE OPERATIONS.
5. USE PUMPMASTER FLOAT SWITCH WITH MECHANICAL CONTACTS OR EQUAL.
6. SET PUMP CONTROLS TO PUMP 260 GALLONS EACH OPERATION AND TO PROVIDE APPROXIMATELY 590 GALLONS OF STORAGE.
7. PROPOSED DOSING VOLUME IS NOT TO EXCEED 20% OF THE INTERNAL STORAGE OF THE PROPOSED LEACHING SYSTEM.
8. ALARM IS TO BE PLACED AT A LOCATION TO BE DETERMINED BY THE CONTRACTOR AND OWNER.
9. CONTRACTOR IS TO CHECK PUMP IN OPERATION TO DETERMINE IF TIE DOWNS ARE NECESSARY FOR THE DISTRIBUTION BOX COVER.
10. PUMP CHAMBER MAY BE CONNECTED TO EMERGENCY GENERATOR.
11. PUMP AND ELECTRICAL CONNECTIONS SHALL BE READILY ACCESSIBLE FROM THE GROUND SURFACE AND ALLOW FOR SAFE SERVICING. A QUICK-DISCONNECT SHALL BE UTILIZED TO ALLOW FOR PUMP REMOVAL.
12. FORCE MAIN IS TO BE A 2" POLYETHYLENE PLASTIC FLEXIBLE PRESSURE PIPE ASTM D2239 OR EQUAL. USE OF RIGID PIPE IS ACCEPTABLE BUT MAY REQUIRE A LARGER PUMP. CONTACT DESIGN ENGINEER WITH DESIGN CHANGES.
13. THERE ARE TO BE NO DRAINS OF ANY KIND WITHIN 50' DOWN GRADIENT OF PROPOSED SANITARY DISPOSAL SYSTEM, INCLUDING HOUSE FOOTING DRAINS.
14. FORCE MAINS ARE TO BE ADEQUATELY PROTECTED FROM FREEZING BY BURIAL BELOW FROST LINE. USE OF INSULATION OR BY BACK DRAINING THROUGH WEEP HOLE.
15. CHECK VALVES ARE TO BE USED WITH THIS DESIGN.
16. NO ADDITIONAL BALLAST IS REQUIRED FOR THE SEPTIC TANK OR PUMP CHAMBER IF A MINIMUM OF 18" OF COVER IS MAINTAINED.

Planting Schedule

	Quantity	Botanical Name	Common Name	Size
Grasses	5	Panicum virgatum	Switchgrass	#2
	5	Pennsetum alopecuroides 'hamelin'	Dwarf Fountain Grass	#2
Shrubs	2	Cornus sericea L.	Red osier Dogwood	5 gal.
	4	Lindera benzoin	Spicebush	5 gal.
	4	Vaccinium corymbosum	Highbush Blueberry	5 gal.

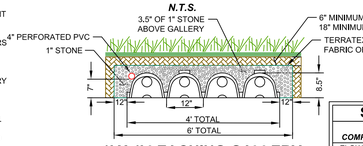
Landscaping Notes:
1. Substitutions are allowed relative to availability and health of plants. All substitutions shall be approved by the appropriate town land use enforcement officer.
2. All plants to be nursery stock.
3. No dyed mulch to be used.
4. Do not over-mulch trees and shrubs.
5. All material, plants and soil, must be free of invasive species.

2.) Rain Garden Plantings



1' X 4' LEACHING GALLERY (CONCRETE)

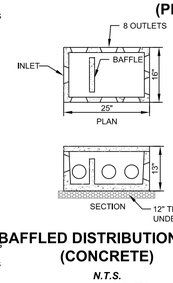
N.T.S.



1' X 4' LEACHING GALLERY (PLASTIC)

N.T.S.

SEPTIC ELEVATION TABLE	
COMPONENT	MIN. INVERT ELEVATION (FT)
FLOW LINE AT NEW FOUNDATION	711.6
SEPTIC TANK INLET	711.00
SEPTIC TANK OUTLET	710.75
PUMP CHAMBER INLET	710.5
BAFFLED DISTRIBUTION BOX #1 INLET	767.4
BAFFLED DISTRIBUTION BOX #1 OUTLET	767.2
DISTRIBUTION BOX #2 INLET	763.8
DISTRIBUTION BOX #2 OUTLET	763.7
BOTTOM OF LEACHING FIELD ROW #1	766.6
BOTTOM OF LEACHING FIELD ROW #2	763.1



BAFFLED DISTRIBUTION BOX (CONCRETE)

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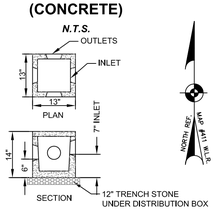


DISTRIBUTION BOX (CONCRETE)

N.T.S.

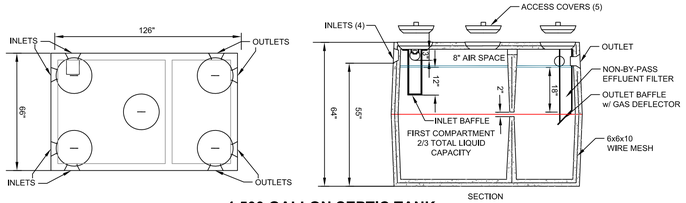
SOIL INSPECTION RESULTS

3/15/2021

OBSERVATION PIT: NO. 1
0" - 12" TOPSOIL
12" - 30" YELLOW BROWN FINE SAND LOAM
30" - 80" OLIVE BROWN MOD. COMPACT FINE SAND LOAM
NO LEDGE OBSERVED
30" MOTTLING OBSERVED
NO GROUNDWATER OBSERVED
30" ROOTS OBSERVED

OBSERVATION PIT: NO. 2
0" - 10" TOPSOIL
10" - 32" YELLOW BROWN FINE SAND LOAM
32" - 78" OLIVE BROWN MOD. COMPACT FINE SAND LOAM
NO LEDGE OBSERVED
32" MOTTLING OBSERVED
NO GROUNDWATER OBSERVED
32" ROOTS OBSERVED

OBSERVATION PIT: NO. 3
0" - 8" TOPSOIL
8" - 30" YELLOW BROWN FINE SAND LOAM
30" - 72" OLIVE BROWN MOD. COMPACT FINE SAND LOAM
NO LEDGE OBSERVED
30" MOTTLING OBSERVED
NO GROUNDWATER OBSERVED
30" ROOTS OBSERVED



1,500 GALLON SEPTIC TANK (CONCRETE)

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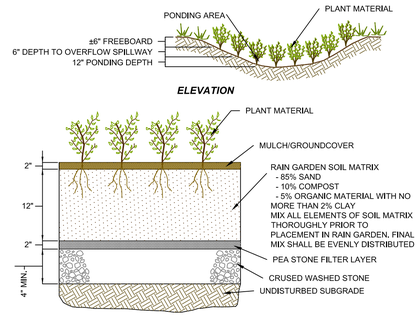


RAIN GARDEN

N.T.S.

NOTE:
- IF SUBSOIL IN AREA OF RAIN GARDEN BECOMES COMPACTED, OR IF A RESTRICTIVE LAYER IS ENCOUNTERED, THE SUBGRADE WILL BE TILLED, FRACTURED OR RIPPED TO ALLOW FOR INFILTRATION.

RAIN GARDEN & DRAINAGE INLET INSPECTION & MAINTENANCE SCHEDULE:

INSPECTIONS:
FIRST YEAR- INSPECT WEEKLY AND AFTER EVERY STORM OF 0.5" OR GREATER FOR THE FIRST YEAR AFTER FINAL STABILIZATION.

AFTER FIRST YEAR- INSPECT EVERY 3 MONTHS AND AFTER EVERY STORM OF 0.5" OR GREATER TO ENSURE PROPER FUNCTIONING.

SEMI-ANNUAL - INSPECT FOR INVASIVE VEGETATION AND REMOVE WHERE POSSIBLE.

ANNUAL - INSPECT FOR DAMAGE AND REPAIR AS REQUIRED. MONITOR FOR SEDIMENT ACCUMULATION. EXAMINE INFLOW SWALES ENSURE THAT THEY ARE FREE OF DEBRIS AND OPERATIONAL.

SOIL EROSION AND SEDIMENTATION CONTROL PLAN

1.1 THIS PROJECT INVOLVES THE DEMOLITION OF AN EXISTING HOUSE AND CONTRUCTION OF A NEW SINGLE FAMILY HOUSE. OTHER IMPROVEMENTS ALSO INCLUDED AS PART OF THIS PROJECT INCLUDE THE CONSTRUCTION OF A DRIVEWAY, SUBSURFACE SEWAGE DISPOSAL SYSTEM, WELL, GRADING, DRAINAGE SYSTEM, & OTHER RELATED APPURTENANCES.

1.2 THE AREA OF THE PROJECT SITE IS APPROXIMATELY 1.76 ACRES, OF WHICH ABOUT 0.76 ACRES ARE EXPECTED TO BE DISTURBED.

1.3 SPECIAL CARE SHOULD BE TAKEN ON THIS SITE TO ENSURE THAT THE CONSTRUCTION FENCE, SILT FENCE AND/OR HAY BALES ARE REPLACED PROMPTLY IF DAMAGED.

1.4 THE DEMOLITION OF THE EXISTING HOUSE AND CONSTRUCTION OF THE NEW HOUSE, DRIVEWAY, AND RELATED APPURTENANCES ARE THE ONLY IMPROVEMENTS ASSOCIATED WITH THIS PROJECT.

1.5 ALL NECESSARY PERMITS SHALL BE ACQUIRED PRIOR TO THE START OF CONSTRUCTION.

1.6.1 SOIL EROSION AND SEDIMENT CONTROL MEASURES

a. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, ANY NECESSARY SURVEYING TO MARK BOUNDARY LINES AND/OR LIMITS OF CLEARING SHALL BE COMPLETED.

b. EROSION CONTROL MEASURES, AS SHOWN ON THE PLAN, SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SAID MEASURES ARE TO BE MAINTAINED UNTIL ALL SITE WORK IS COMPLETED AND ALL SEEDED AREAS HAVE ESTABLISHED GROWTH.

c. ANY MATERIAL STORAGE PILES OUTSIDE THE IMMEDIATE CONSTRUCTION AREA SHALL HAVE A SILT FENCE OR APPROVED EQUAL SURROUNDING THEM TO CONFINE THE MATERIAL AND POSSIBLE EROSION.

d. THE DISTURBANCE OF LAND SHALL BE AS MINIMAL AS PRACTICABLE. RESTABILIZATION OF ALL AREAS SHALL OCCUR AS SOON AS POSSIBLE. IF DISTURBED AREAS ARE EXPOSED FOR MORE THAN 30 DAYS, IT SHALL BE TEMPORARILY SEEDED PER SECTION 5-3 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL." AS AMENDED. IN THE EVENT THAT CONSTRUCTION OCCURS DURING TIMES WHEN SEEDING CAN NOT BE CARRIED OUT, ERODIBLE AREAS SHALL BE MULCHED WITH HAY OR HAVE NETTING INSTALLED AND MAINTAINED TO PREVENT EROSION.

e. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND PRACTICES AS SET FORTH IN THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL." AS AMENDED.

f. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY. IF THE MEASURES ARE DAMAGED, THEY SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY.

g. IN ORDER TO PREVENT EROSION, EARTH SLOPES SHALL BE 2' (HORIZONTAL) TO 1' (VERTICAL) MAXIMUM. ALL 2'(H)/1'(V) SLOPES SHALL BE STABILIZED WITH BIODEGRADABLE MATTING OR APPROVED EQUAL.

h. IN ORDER TO CONTROL SEDIMENT, TEMPORARY BARRIERS, UTILIZING STAKED HAY BALES OR SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE PLAN. ANY TRAPPED SEDIMENT SHALL BE DISPOSED OF IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

i. ANY REQUIRED CULVERTS OR DRAINAGE FACILITIES SHALL BE OF PROPER CONSTRUCTION SO AS TO PREVENT EROSION DURING AND AFTER CONSTRUCTION.

j. ADDITIONAL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AFTER THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR AND A REPRESENTATIVE FROM THE TOWN SHALL BE PRESENT.

1.6.2 CONSTRUCTION NOTES AND SEQUENCE FOR CONSTRUCTION OF PROPOSED SINGLE FAMILY HOUSE AND DRIVEWAY

1. OBTAIN ALL NECESSARY PERMITS.

2. FLAG THE LIMITS OF CONSTRUCTION, DRIVEWAY BASELINE, AND TREE PROTECTION AREAS.

3. HOLD PRECONSTRUCTION MEETING (REMEMBER TO CALL BEFORE YOU DIG 1-800-922-4455).

4. HOLD TREE CUTTING MEETING.

5. INSTALL THE CONSTRUCTION ENTRANCE (1 DAY).

6. INSTALL EROSION AND SEDIMENTATION CONTROLS AS SHOWN ON THE PLAN PRIOR TO CONSTRUCTION ACTIVITY. (1 WEEK) CONTACT TOWN OF WASHINGTON WETLANDS ENFORCEMENT OFFICER FOR REVIEW OF INSTALLED EROSION CONTROLS. ALLOW 48 HOURS NOTICE.

7. RAZE EXISTING HOUSE AND REMOVE ALL DEBRIS IN DUMPSTERS FOR DISPOSAL OFF SITE.

8. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. CHIP BRUSH AND SLASH. STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE (1 WEEK). EXCAVATE ALL STUMPS LOCATED IN THE STRUCTURAL AREA AND REMOVE TO A DISPOSAL SITE OR STOCKPILE AREA TO BE CHIPPED. STUMPS IN NON-STRUCTURAL AREAS MAY BE GROUND IN PLACE OR CUT FLUSH WITH THE GROUND LEVEL AND LEFT IN PLACE IN ACCORDANCE WITH THE PLANS (1 WEEK).

9. STRIP ALL TOPSOIL WITHIN THE SLOPE LIMITS. STOCKPILE ALL TOPSOIL IN AN APPROVED AREA AND SECURE WITH EROSION AND SEDIMENT CONTROLS (1 WEEK).

10. MAKE ALL CUTS AND FILLS REQUIRED. ESTABLISH THE SUBGRADE FOR THE TOPSOIL AREAS AND DRIVEWAY. BENCH THE PROPOSED HOUSE AREA TO A SUBGRADE. ALLOW A REASONABLE AMOUNT OF AREA AROUND THE FOOTPRINT OF THE HOUSE FOR THE CONSTRUCTION ACTIVITIES (1 WEEK).

11. BEGIN CONSTRUCTION OF HOUSE. INSTALL SEPTIC SYSTEM AND WELL. PERMANENTLY SEED SEPTIC AREA IMMEDIATELY AFTER INSTALLATION. WITHIN TWO WEEKS OF ROOF COMPLETION, GUTTERS SHALL BE INSTALLED SO THAT THE RUNOFF CAN BE APPROPRIATELY HANDLED PER THE PLAN. (6 MONTHS).

12. CONSTRUCT DRAINAGE PER PLANS. INSTALL ALL UNDERGROUND UTILITIES TO WITHIN 5 FEET OF THE HOUSE AT THIS TIME (1 WEEK).

13. PREPARE SUB-BASE, SLOPES, DRIVEWAY, AND ANY OTHER DISTURBANCE FOR FINAL GRADING (1 WEEK).

14. INSTALL PROCESSED AGGREGATE IN DRIVEWAY (1 WEEK).

15. PLACE TOPSOIL WHERE REQUIRED. COMPLETE ANY PROPOSED PERIMETER LANDSCAPE PLANTINGS (1 WEEK).

16. FINE GRADE, RAKE, SEED, AND MULCH TO WITHIN 2 FEET OF DRIVEWAY (1 WEEK).

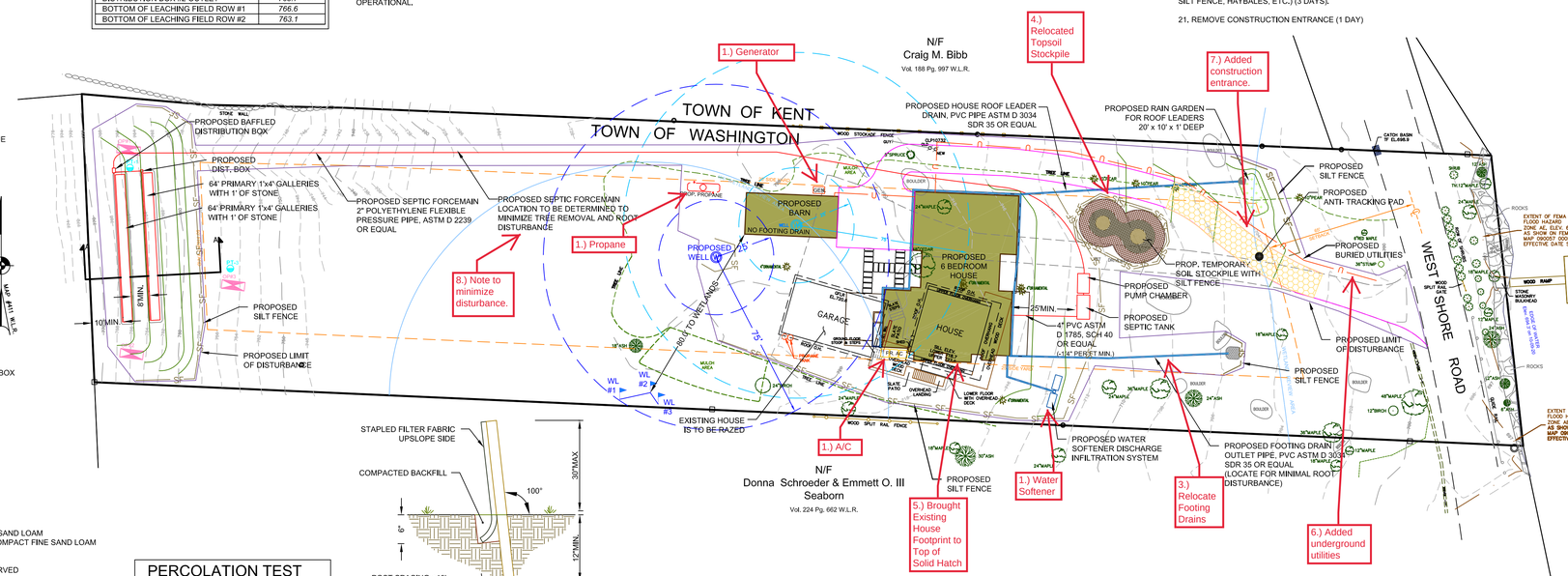
17. UPON SUBSTANTIAL COMPLETION OF THE HOUSE, COMPLETE THE BALANCE OF SITE WORK AND APPLY STABILIZATION MEASURES (I.E. TOPSOIL, SEEDING, SODDING, MULCHING, ETC.) TO DISTURBED AREAS. FOLLOW SECTION 5-3 OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (1 WEEK).

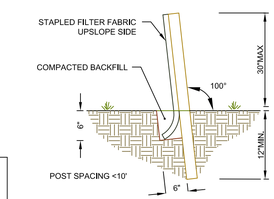
18. INSPECT AND CLEAN DRAINAGE AS NEEDED (1 DAY).

19. CLEAN UP ANY TRAPPED SEDIMENT AND PLACE IN AN AREA THAT WILL ALLOW IT TO BLEND INTO THE LANDSCAPE. REMOVE SES CONTROLS AT PROPER TIMES. (ONLY AFTER ALL CONSTRUCTION AREAS ARE STABILIZED.) (1 DAY)

20. AFTER DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY PERIMETER EROSION CONTROLS (I.E. SILT FENCE, HAYBALES, ETC.) (3 DAYS).

21. REMOVE CONSTRUCTION ENTRANCE (1 DAY)





PLACEMENT AND CONSTRUCTION OF A SILT FENCE BARRIER

N.T.S.

PERCOLATION TEST

DATE: 4/16/2021
INSPECTED BY: ARTHUR H. HOWLAND, P.C.

PERC HOLE #1
DEPTH= 18" DEPTH OF REF. MARK= 2"
PRE-SOAK
START TIME= 1 HR
END TIME= 10:15

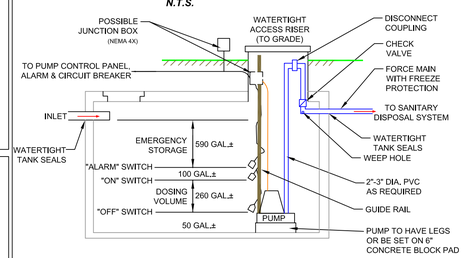
TIME(MINS.)	DEPTH(INCHES)
0	3.5
10	6.125
20	8
30	9.25
40	10,25
50	11,25
60	12,25

FINAL PERC. RATE= 10 MIN./INCH

PERC HOLE #3
DEPTH= 15" DEPTH OF REF. MARK= 2"
PRE-SOAK
START TIME= 1 HR
END TIME= 10:16

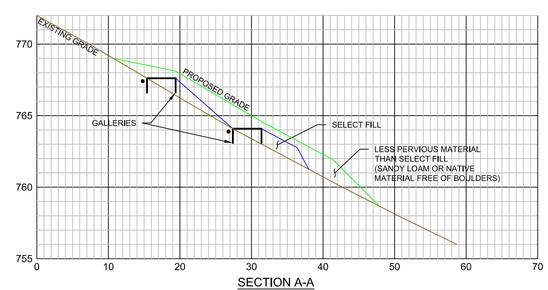
TIME(MINS.)	DEPTH(INCHES)
0	2,5
10	6
20	9.125
30	10,5
40	11,5
50	12,5
60	DRY

FINAL PERC. RATE= 10 MIN./INCH



1000 GALLON PUMP CHAMBER TYPICAL FLOAT HEIGHTS (CONCRETE)

N.T.S.



SECTION A-A

NOTE: ALL ORGANICS AND TOPSOIL REMOVED SHALL BE REPLACED WITH SELECT FILL.

Underground utility, structure and facility locations shown have been determined from record maps provided by utility companies, governmental agencies, testimony, field locations, and other sources. Other utilities may exist on site or in the area shown . The size, location, and existence of all underground features must be field verified by the appropriate providers prior to construction Call Before You Dig. 1-800-922-4455.

LEGEND

EXISTING BOUNDARY LINE
EXISTING BOUNDARY LINE (ABUTTORS)
EXISTING BUILDING SETBACK LINE
EXISTING CONTOUR (10 FOOT)
EXISTING CONTOUR (2 FOOT)
EXISTING REGULATED AREA
EXISTING STORM PIPE
EXISTING EDGE OF PAVEMENT (ROAD)
EXISTING EDGE OF PAVEMENT (DRIVEWAY)
EXISTING BUILDING/HOUSE
EXISTING PORCH/LOADING DOCK
EXISTING WIRE FENCE
EXISTING RETAINING WALL
EXISTING STONE WALL
X 100.00 EXISTING SPOT ELEVATION
EXISTING IRON PIN
EXISTING UTILITY POLE
EXISTING STORM STRUCTURE
EXISTING WELL
EXISTING DEEP TEST
EXISTING PERC TEST
EXISTING SEPTIC SYSTEM (PRIMARY)
EXISTING WETLAND FLAG
EXISTING WETLAND
EXISTING LANDSCAPING OR TREELINE
PROPOSED CONTOUR (10 FOOT)
PROPOSED CONTOUR (2 FOOT)
PROPOSED STORM PIPE
PROPOSED EDGE OF PAVEMENT (DRIVEWAY)
PROPOSED BUILDING/HOUSE
PROPOSED PORCH/LOADING DOCK
PROPOSED RETAINING WALL
PROPOSED STONE WALL
PROPOSED SILT FENCE
PROPOSED LIMIT OF DISTURBANCE
X 100.00 PROPOSED SPOT ELEVATION
PROPOSED STORM STRUCTURE
PROPOSED WELL
PROPOSED SEPTIC SYSTEM (PRIMARY)
PROPOSED RIPRAP
PROPOSED CONSTRUCTION ENTRANCE

1) COPIES NOT BEARING THE EMBOSSED SEAL OF THE SURVEYOR OR ENGINEER SHALL BE RENDERED NULL AND VOID.

2) REVISIONS TO THESE PLANS BY ANYONE OTHER THAN ARTHUR H. HOWLAND, PC SHALL MAKE THESE PLANS NULL AND VOID. ARTHUR H. HOWLAND, PC SHALL TAKE NO RESPONSIBILITY FOR SAID REVISIONS.

REVISIONS:
-REVISED 5/11/2021 - WETLAND COMMENTS

THIS MAP IS NOT AN A-2 SURVEY AND SHOULD NOT BE USED FOR ZONING COMPLIANCE. THIS PLAN IS TO BE USED TO DEMONSTRATE COMPLIANCE WITH THE STATE OF CONNECTICUT HEALTH CODE.

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Proposed Sanitary Disposal System Plan

prepared for

Thomas P. Auth And Karee A. Hanifan

329 West Shore Road

Town of Washington County of Litchfield State of Connecticut

DATE: **April 16, 2021**

SCALE: **1" = 30'**

INCHES ON ORIGINAL

SHEET: **SDS.1**