

CONTRACTORS GENERAL NOTES

1. THE CONTRACTOR SHALL PREPARE THE LEACHING AREA INCLUDING TREES REQUIRED TO BE REMOVED FROM THE SITE. TREES TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND REMOVED MATERIALS (I.E. STUMPS, BOLLERS, RUBBLE, SHALL BE BURIED IN THE SEPTIC AREA OR WITHIN 25' OF THE SYSTEM.
2. THE LICENSED SEPTIC INSTALLER IS RESPONSIBLE FOR THE LEACHING AREA. IF NECESSARY THE INSTALLER SHALL INSTALL ORANGE CONSTRUCTION FENCE AROUND THE ENTIRE LEACHING AREA AND HEAVY EQUIPMENT SHALL BE PROHIBITED FROM ENTERING THE LEACHING AREA.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS AND MATERIALS NECESSARY FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM, LATEST REVISION JANUARY 1, 2018.
4. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ENGINEER OF RECORD INFORMED OF ALL PRIOR TO START OF SYSTEM CONSTRUCTION. THE ENGINEER AND THE TOWN HEALTH DEPT. 48 HOURS PRIOR TO COMPLETION OF THE SYSTEM, BAKED, AND SEEDED AND GRADED TO PUSH SURFACE WATER AWAY FROM THE LEACH FIELD.
5. CHANGES IN HOUSE LOCATION OR DESIGN OR LAYOUT OF THIS SYSTEM WITHOUT WRITTEN APPROVAL OF THE ENGINEER OF RECORD SHALL BE AT THE CONTRACTOR'S RISK. ANY CHANGES SHALL BE AT THE CONTRACTOR'S RISK. THIS IS NOT A CERTIFIED LOT PLAN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND OWNER TO LOCATE ALL PHASES OF CONSTRUCTION SO THAT THEY CONFORM TO ALL APPLICABLE TOWN AND STATE SPECIFICATIONS.
6. THE TRENCH EXCAVATION SHALL BE NOT LESS THAN 84" WIDE AND 18" DEEP. THE TRENCH SHALL BE LOCATED AT THE BOTTOM OF THE TRENCH WITH THE TRENCH OF THE BLOCK.
7. WATERPROOF PLUG AROUND RISERS AS REQUIRED. INSTALL OUTLET FILTER AS REQUIRED TO MEET CURRENT HEALTH CODE.
8. MANHOLES OF THE TANK SHALL BE WITHIN 6" OF FINISHED GRADE. TANKS BURIED MORE THAN 24" MUST HAVE RISERS WITH MINIMUM INSIDE DIAMETER OF 24". ALL RISERS SHALL BE GROUTED WATERPROOF.
9. DISTRIBUTION BOXES SHALL BE PRECAST CONCRETE WITH REMOVABLE COVER. BOXES SHALL BE SET AT LEAST ON A MINIMUM OF 25' OF 10" NO. 4 OR NO 6 STONE. THE BOXES SHALL BE SLOPED DOWNWARD ON ALL SIDES.
10. SELECT FILL SHALL BE CLEAN BANK RUN SAND, CLEAN BANK RUN SAND AND GRAVEL, OR APPROVED MANUFACTURED FILL MEETING THE SPECS. IN SECTION VII OF THE TECH. SUDS.
11. SIZE SIZE PERCENT PASSING
12. PERCENT PASSING
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15. PERCENT PASSING
16. PERCENT PASSING

INSTALLATION NOTES, SEPTIC SYSTEM

1. INSTALL 65 LF OF GREENGLASS GLF 1272. PER THE MANUFACTURERS SPECIFICATIONS.
2. THE TRENCH EXCAVATION SHALL BE NOT LESS THAN 84" WIDE AND 18" DEEP. THE TRENCH SHALL BE LOCATED AT THE BOTTOM OF THE TRENCH WITH THE TRENCH OF THE BLOCK.
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SEPTIC DESIGN

1. REFERENCE: OF PUBLIC HEALTH CODE, ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS, 2018 EDITION.
2. DESIGN PERCOLATION RATE 1720-17450 MINUTES.
3. PER THE TECHNICAL RECS. WHEN THE ENTIRE LEACHING FIELD IS PLACED IN SELECT FILL THE 1710-17100 MINUTES PER INCH PERCOLATION RATE CAN BE USED TO DETERMINE THE REQUIRED LEACHING AREA.
4. THE REQUIRED LEACHING AREA IS 95.0 SQUARE FEET.
5. THIS SITE IS AN AREA OF SPECIAL CONCERN. THE ENGINEER OF RECORD SHALL LOCATE HOLES ON THE SITE WITH A NATURALLY OCCURRING SOIL SYSTEM DESIGN IS REQUIRED.
6. THE RECIPIENT DEPTH OF 18" OR GREATER. THEREFORE AN INCR SYSTEM DESIGN IS REQUIRED.
7. PER APPENDIX A, CATEGORY 3-B100g NON-COMPLIANT POTENTIAL REPAIR AREAS. FOR NON-COMPLIANT MMS REPAIRS, THE LEACHING SYSTEM SPREAD MUST BE THE MAXIMUM PERCENT POSSIBLE OF THE MMS MASS.
8. THE NATURALLY OCCURRING SLOPE IS GREATER THAN 15%.

THE 18'-22" HP. REQUIRES A MASS (MSS)=28 X 1.5 FF X 2.0 PF = 78).

78' IS NOT AVAILABLE ON THIS SITE.

66 LINEAL FEET OF LEACHING SPREAD PROVIDED BY THE DESIGN

5. PROPOSED SYSTEM-45 LINEAL FEET OF GLF 1272. EFFECTIVE 666 SF.

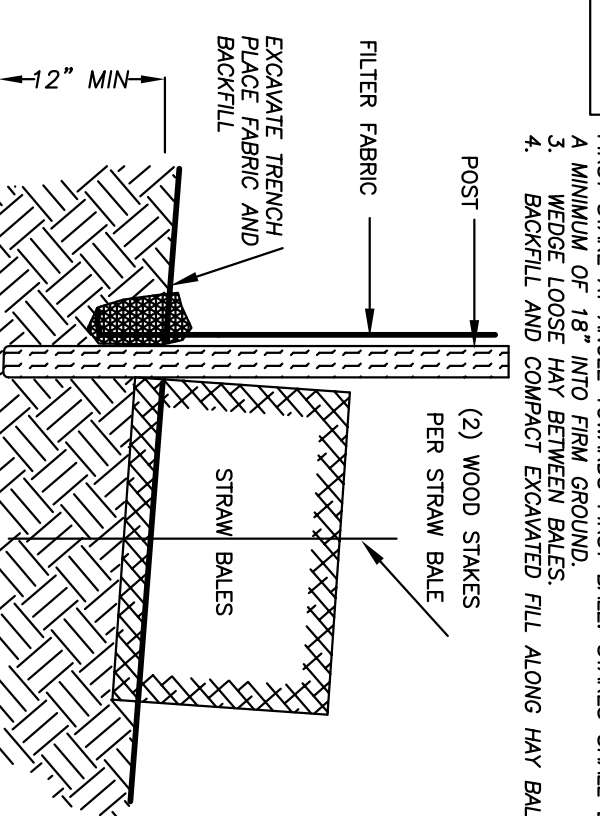
DUE TO THE SITE'S LIMITING CONDITIONS, POOR SOILS, WORK OF PROPERTY, THIS SEPTIC DESIGN IS A NON-COMPLIANT REPAIR. THE CODE REQUIREMENTS FOR A 100% CODE-COMPLYING SYSTEM.

THE PROPOSED SYSTEM MEETS 83.3% (66/78) OF THE NCR MASS AND 132% (666/493) OF THE REQUIRED LEACHING AREA.

THE PROPOSED SYSTEM IS LOCATED LESS 50' TO A WATERCOURSE.

THIS SYSTEM IS NOT DESIGNED TO ACCEPT WASTES FROM GARAGE, DISHWASHERS, OR BACKWASH EFFLUENT FROM FILTERS OR FILTERS AND/OR WHIRLPOOL. THE TANKS IN EXCESS OF 100 GALLONS, OR BACKWASH FROM GALLONS REQUIRES THE SEPTIC TANK CAPACITY TO BE INCREASED BY 250 GALLONS.

A



(GSP) (HB) SILTATION FENCE WITH STAKED HAYBALE REINFORCEMENT

PROJECT INFORMATION, SEPTIC SYSTEM INSTALLATION.

PROPOSED AND DISTURBANCE APPROXIMATELY 5400 SQUARE FEET OR 0.16 ACRES. PROPOSED SQUARE FEET OF DISTURBED LAND WITHIN THE UPLAND BUFFER IS 6,184 SF.

TOTAL AMOUNT OF EXCAVATED MATERIAL 90 CUBIC YARDS.

TOTAL AMOUNT OF MATERIAL IMPOSED IS 102 CYS. SEPTIC SAND AND GRAVEL AND GREENGLASS SYSTEM.

TOTAL AMOUNT OF DEPOSITED MATERIAL (EXCAVATED PLUS IMPOSED) 192 CUBIC YARDS.

INSTALL 5 LINEAL FEET OF SWIMWAY PUMP LINE. EXCAVATE AND REPLACE 1 CUBIC YARDS.

INSTALLATION OF LEACHING FIELD.

REMOVE APPROXIMATELY 90 CYS OF TOPSOIL AND EXISTING SEPTIC SAND.

PLACE SELECT SAND FILL BED, 82 CYS.

INSTALL GREENGLASS SYSTEM AND CONCRETE SAND, 18 CYS.

USE THE EXCAVATED MATERIAL FOR BERM MATERIAL.

PERCOLATION DATA

TIME	MEASURE	DROP	MIN	ELAPSED RATE
12:52	5 3/4"	10	17:20	MIN.
1:02	6 1/4"	12	17:40	MIN.
1:18	6 5/8"	16	17:42.6	MIN.
1:38	7"	3/8"	17:40	MIN.
1:43	7 1/4"	1/4"	17:40	MIN.
1:58	7 3/4"	1/2"	17:20	MIN.
2:13	8 1/8"	3/8"	17:42.6	MIN.

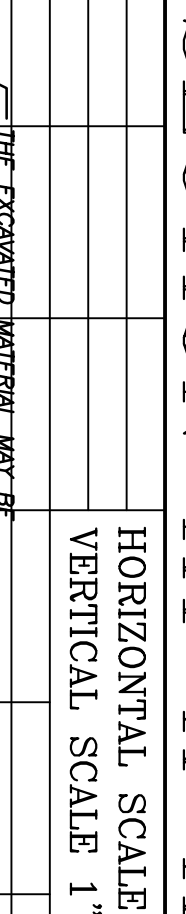
DESIGN PERCOLATION RATE 1720-17450 MINUTES

TEST HOLE DATA

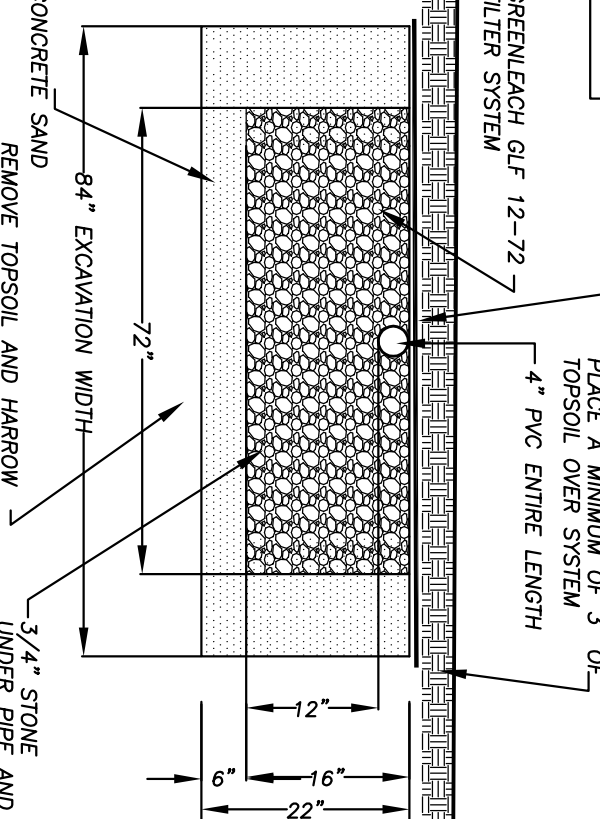
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1:58	7 3/4"	1/2"	17:20	MIN.
2:13	8 1/8"	3/8"	17:42.6	MIN.

DESIGN PERCOLATION RATE 1720-17450 MINUTES

SECTION AT X-X



B

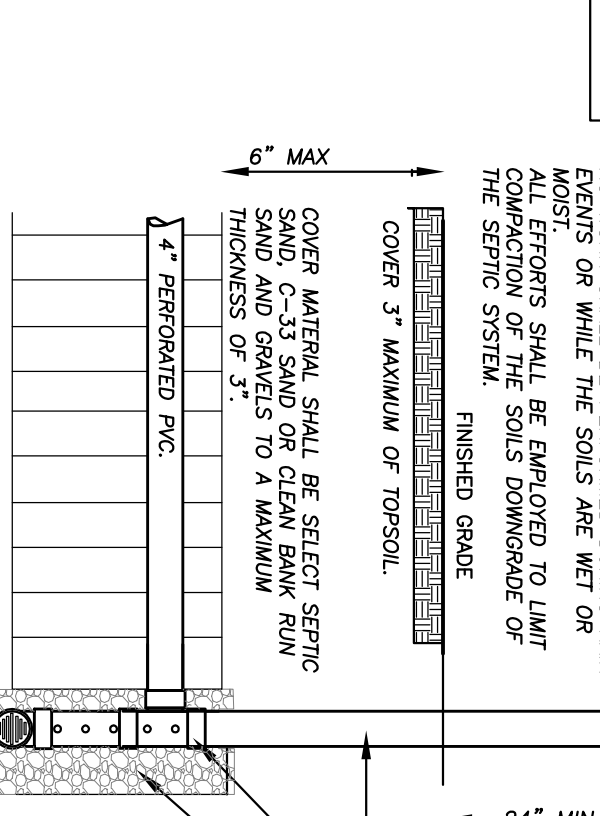


INSTALLATION OF GREENGLASS FILTER LEACHING SYSTEM GLF 12-72

CONSTRUCTION SEQUENCE, SEPTIC SYSTEM INSTALLATION

1. NOTIFY CALL BEFORE YOU DIG 1-800-922-4455.
2. THE PERMITTEE SHALL NOTIFY THE REVIEWING AGENCY, IN WRITING, 48 HOURS PRIOR TO COMMENCING ACTIVITIES.
3. ERECT SILT FENCE AND HAYBALE AS SHOWN ON PLAN.
4. UTILIZING A TRACK MACHINE, REMOVE EXISTING CUTLIE SYSTEM, EXCAVATE MATERIAL AS SHOWN ON PLAN AND PLACE MATERIAL DOWNWARD TO FORM THE SEPTIC BERM.
5. PREPARE SEPTIC LEACHING AREA, INSTALL SEPTIC SYSTEM.
6. IMMEDIATELY FOLLOWING REQUIRED INSPECTIONS COVER THE SEPTIC SYSTEM.
7. AFTER REQUIRED INSPECTIONS, PERFORM FINISHED GRADING, SEED WITH QUICK GROWING GRASSES.
8. AFTER THE ARE IS COVERED WITH NATURAL GRASSES NOTIFY THE REVIEWING AGENCY THAT THE EROSION CONTROLS MAY BE REMOVED FOLLOWING THE 48-HOUR NOTICE.
9. AFTER DISTURBED AREAS ARE STABILIZED, REMOVE THE COLLECTED SEDIMENT FROM THE SILT FENCE AND DISPOSE OF THE COLLECTED MATERIAL IN AN APPROVED OFFSITE LOCATION.
10. REMOVE EROSION CONTROLS.

C



END VIEW

SEPTIC SYSTEM TEE VENTING DETAIL

THIS AREA IS UNSUITABLE FOR SEPTIC PRIVATE SUBSURFACE SEPTIC SYSTEMS. EVIDENCE OF HIGH GROUNDWATER, ROCK OUTCROPPINGS, OLD HAND DUG WELL AND STEEP SLOPES.

HOLDS SHOWN ARE APPROXIMATE LOCATION

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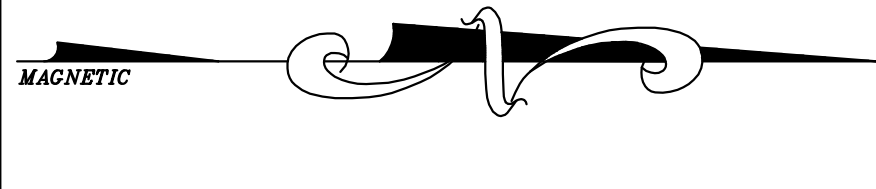
TH33

TH34

TH35

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PERCOLATION HOLE
- DEEP TEST HOLE
- WATER
- WETLANDS UPLAND REVIEW AREA
- STONE WALL EXISTING
- PRIMARY SEPTIC FIELD
- EXISTING SEPTIC (APPROXIMATE)
- CONSTRUCTION ACCESS ROUTE
- CONSTRUCTION ENTRANCE
- ORANGE CONSTRUCTION FENCE
- SILT FENCE
- STOCKPILE AREA
- STAKED HAYBALE
- SILT FENCE
- LIMIT OF DISTURBANCE



Scale : 1"=20'

TOWN SIGNATURE BLOCK

Peak Engineers, LLC

PROVIDING CIVIL ENGINEERING SERVICES

Site, Septic, and Drainage, Feasibility and Design

16 Old Mill Road, Redding, CT 06886

Email: rquinn@PeakEngineersLLC.com

PREPARED FOR

Elizababeth A. Alicea

104 Old Mill Road

Wilton, Connecticut 06897

Assessor's Map 11, lot 6, 1.01 acres

EMERGENCY

Subsurface Sewage Disposal System Repair Plan

SI-1/1