

GENERAL NOTES

PRIMARY AND RESERVE AREAS ARE TO BE PROTECTED FROM COMPACTION AND DAMAGE BY MACHINERY AND EQUIPMENT DURING CONSTRUCTION.

ADDITIONAL TEST PITS MAY BE REQUIRED TO CONFIRM SOIL CONDITIONS IN THE AREA OF THE PRIMARY AND RESERVE LEACHING FIELDS. PITS ARE TO BE DUG PRIOR TO THE START OF CONSTRUCTION OF THE SEPTIC SYSTEM AND ARE TO BE STAKED IN THE FIELD BY ENGINEER TO ENSURE PROPER LOCATION.

DISTRIBUTION BOXES TO BE INSTALLED TO CREATE A HIGH LEVEL OVERFLOW (4" MIN) SEPTIC SYSTEM SHALL CONFORM TO THE CURRENT STATE OF CONNECTICUT PUBLIC HEALTH CODE.

IF FIELD CONDITIONS (MOTTLING, LEDGE OR GROUNDWATER) ARE ENCOUNTERED AT SHALLOWER DEPTH THAN THOSE SHOWN IN THE DEEP TEST HOLE RESULTS, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY AND CONSTRUCTION HALTED UNTIL

SDR 35 TIGHT PIPE FROM TANK TO D. BOX AND BETWEEN D. BOXES.

CONTOURS TAKEN FROM ON SITE FIELD TOPOGRAPHY AND ARE TO T-2 STANDARDS

REQUIRED FILL SPECIFICATIONS

ALL LEACHING PRODUCTS WITH EFFECTIVE LEACHING CREDITS OF 7.4 SF/LF AND HIGHER SHALL NOT BE UTILIZED WHERE THE UNDERLYING NATURALLY OCURRING SOILS HAVE A MINIMUM PERCOLATION RATE SLOWER THAN THIRTY (30) MINUTES PER INCH.

SELECT FILL MATERIAL AND SELECT BACKFILL MATERIAL, PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPOSED OF CLEAN SAND AND GRAVEL. FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE FILL AND MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA.

- 1. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE) 3) INCHES.
- 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 SIEEVE IS THEN REWEIGHED AN THE SIEVE ANALYSIS STARTED.

THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

IEVE SIZE	PERCENT PASSING	PERCENT PASSIN
#4	100%	100%
#10	70%-100%	70%-100%
#40	10%-50%	10%-75%
#100	0%-20%	0%-5%
#200	0%-5%	0%-2.5%

WET SIEVE TEST

THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING SELECT MATERIAL IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCURRING SOILS FROM OVERCOMPACTION AND SILTATION ONCE EXPOSED.

NOTE: WATER TREATMENT DEVICES NOT TO DISCHARGE INTO SEPTIC SYSTEM.

STONE SWALE DETAIL

HYDRAULIC FACTOR (HF)

HYDRAULIC GRADIENT (% OF SLOPE)

36 32 28 26 24 20 18

#1 - CANNOT BE APPROVED UNLESS HYDRAULIC ANALYSIS DEMONSTRATES SUITABILITY

28 24 22 20 18 16 14

4. BACKFILL THE TRENCH & COMPACT

MLSS NEED NOT BE CONSIDERED

EROSION CONTROL NOTES

GENERAL REQUIREMENTS FOR EROSION CONTROL:

SEEDING, SODDING, OR REVEGETATION PLANS AND SPECIFICATIONS FOR ALL UNPROTECTED OR UNVEGETATED AREAS SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.

EXCAVATIONS , FILLS AND GRADING :

CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 3:1 UNLESS STABILIZED BY A RETAINING WALL OR CRIBBING, EXCEPT AS APPROVED BY THE COMMISSION UNDER UNDER SPECIAL CONDITIONS.

ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATION OR THE SLOPING SURFACES OF FILLS.

CUT AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.

FILL SHALL BE PLACED AND COMPACTED SO AS TO MINIMIZE SLIDING OR EROSION

GRADING SHALL NOT BE DONE IN SUCH A WAY SO AS TO DIVERT WATER ONTO THE PROPERTY OF ANOTHER LANDOWNER WITHOUT THE EXPRESSED CONSENT OF THAT LANDOWNER AND THE COMMISSION.

FILLS SHALL NOT ENCROACH ON THE NATURAL WATERCOURSES OR CONSTRUCTED

DURING GRADING OPERATIONS, NECESSARY MEASURES FOR DUST CONTROL SHALL BE EXERCIZED.

GRADING EQUIPMENT WILL NOT BE ALLOWED TO CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER METHODS AS APPROVED BY THE COMMISSION.

IMPLEMENTATION PROCEDURES:

WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.

ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT.

WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.

WHERE NECESSARY, TEMPORARY VEGETATION AND/OR MULCHING SHOULD BE USED TO PROTECT AREAS EXPOSED DURING DEVELOPMENT.

THE PERMANENT FINAL VEGETATION AND STRUCTURES SHOULD BE INSTALLED AS SOON AS PRACTICAL IN THE DEVELOPMENT.

Test Pit Data

84 Redwood Ln

Light Brown Fine Sandy Loam

Light Brown Fine Sandy Loam

3.4' - 6.6' Brown Sand, Gravel

3.0' - 4.7' Brown Sand, Gravel

REQUIRED

Ground Mottling

DEEP TEST PIT DATA

3" PAVEMENT .

MIN 8" COMPACTED GRAVEL

LEACHING AREA TO BE INSTALLED

CONSTRUCTION NOTES

NO CHANGE IN PLAN LOCATION OR ELEVATION SHALL BE MADE WITHOUT NOTIFYIING THE ENGINEER AND THE PROPER TOWN AUTHORITY.

THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION TO SET LOCATION AND GRADE STAKES FOR THE SUBSURFACE SEWAGE DISPOSAL SYSTEM TO INCLUDE: FILL MATERIAL, SEPTIC TANK, PRIMARY LEACH SYSTEM. SIMILAR STAKING REQUIRED FOR ALL CURTAIN AND FOUNDATION DRAINS AND WELL.

NO SOIL STRIPPING OR EXCAVATION SHALL BEGIN WITHIN THE AREA OF THE SUB-SURFACE SEWAGE DISPOSAL SYSTEM WITHOUT A VALID CONSTRUCTION PERMIT.

A LICENSED SEWAGE DISPOSAL SYSTEM INSTALLER SHALL OBTAIN A CONSTRUCTION PERMIT AND ARRANGE FOR THE SITE INSPECTION PRIOR TO CONSTRUCTION. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STATE, AND LOCAL RULES, REGULATIONS AND CODES.

TOPSOIL TO BE STRIPPED AND STOCKPILED PRIOR TO ANY FILLING. SCARIFY AREA BEFORE FILLING. NO VEHICLE TRAFFIC BY RUBBER TIRE VEHICLES TO MINIMIZE COMPACTION. PLACE FILL AT EDGE OF PREPARED AREA AND SPREAD WITH BULLDOZER IN 6" LIFTS AND COMPACT TO 90% MAXIMUM DENSITY.

SANITARIAN TO INSPECT ANY FILL OVER 24" DEEP PRIOR TO CONSTRUCTION.

TRENCH BOTTOMS SHALL BE LEVEL AND SET TO FOLLOW CONTOURS OF EXISTING GRADE.

NO CONSTRUCTION BELOW ORIGINAL GRADE IN THE LEACHING SYSTEM AREA SHALL TAKE PLACE WITHIN 48 HOURS OF A RAINSTORM OR WITH STANDING PUDDLES.

ALL FOOTING DRAINS, CURTAIN DRAINS AND SUBSURFACE SEWAGE DISPOSAL SYSTEM COMPONENTS SHALL BE INSPECTED BY THE TOWN AND LOCATED "AS-BUILT" BY THE ENGINEER/LAND SURVEYOR PRIOR TO COVERING. INSPECTION SHALL BE WITHIN 2 WORKING DAYS FOLLOWING TIMELY NOTIFICATION BY THE CONTRACTOR TO PROTECT OPEN WORK FROM SILTATION AND EROSION.

ALL DISTURBED AREAS SHALL BE GRADED, LOAMED, AND SEEDED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IF SEEDING CANNOT TAKE PLACE DURING THE GROWING SEASON, A TEMPORARY MULCH COVER SHALL BE PLACED AND MAINTAINED UNTIL PERMANENTCOVER CAN BE ESTABLISHED.

A LICENSED WELL DRILLER SHALL OBTAIN A PERMIT PRIOR TO ANY DRILLING. THE WELL SHALL BE PROVIDED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STATE AND LOCAL REGULATIONS AND CODES.

Test Pit Data

1.9' - 2.7' Brown Sand, Gravel 2.7' - 3.3' Coarse Brown Sand

Compact Dark Brown Sand

Light Brown Fine Sandy Loan 1.8' - 2.9' Brown Sand
2.9' - 8.8' Dark Brown Fine Sand, some Gravel
Roots at 4.9'

84 Redwood Ln.

TEST PITS WITNESSED BY DON KENDRICK FROM THE TOWN OF GLASTONBURY HEALTH DEPT.

12' WIDE - 16' WIDE

DRIVEWAY DETAIL

USE 2 ROWS OF 18" HIGH x 48" WIDE x 8' LONG CONCRETE GALLEYS @, 6.2 SQ. FT. OF

NO SCALE

LEACHING AREA PER LINEAL FT. x 96' OF TOTAL LENGTH = 595.2 SQ. FT. OF

BASIS OF SANITARY DESIGN

USE 2 ROWS OF 18" HIGH CONCRETE GALLEYS 6' WIDE @ LENGTHS SHOWN

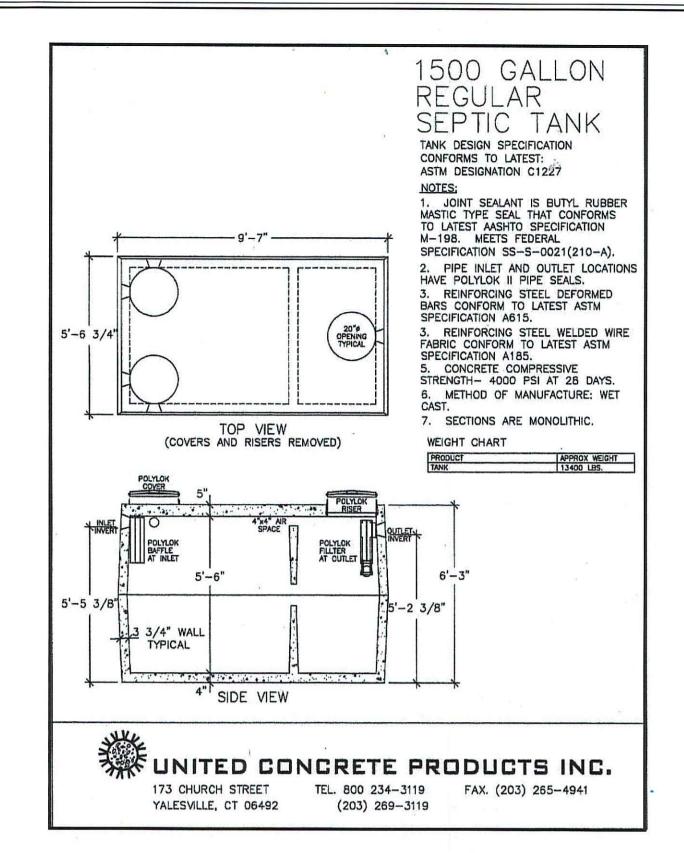
577.5 SQ. FT. OF LEACHING AREA REQUIRED

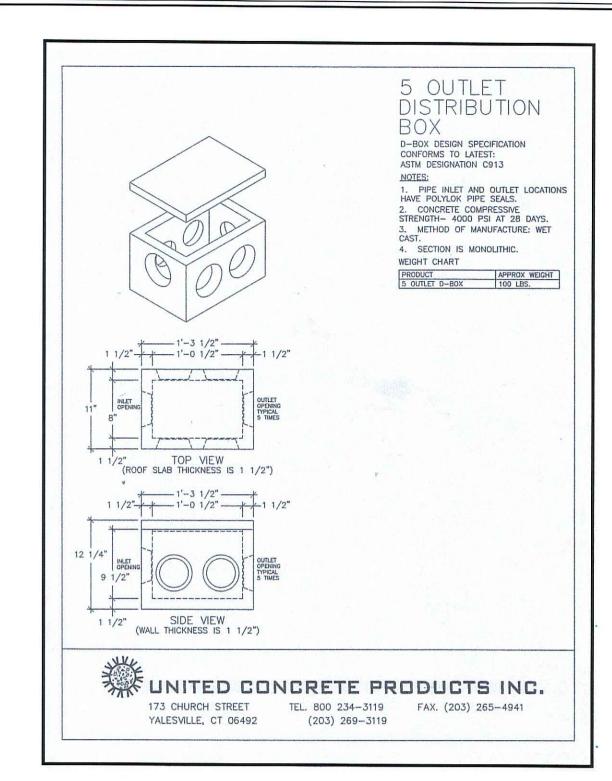
595.2 SQ. FT. OF LEACHING AREA PROVIDED

USE MINIMUM_1500 GALLON SEPTIC TANK.

8 8.8' 7.9' none noted 0 - .2' Topsoil

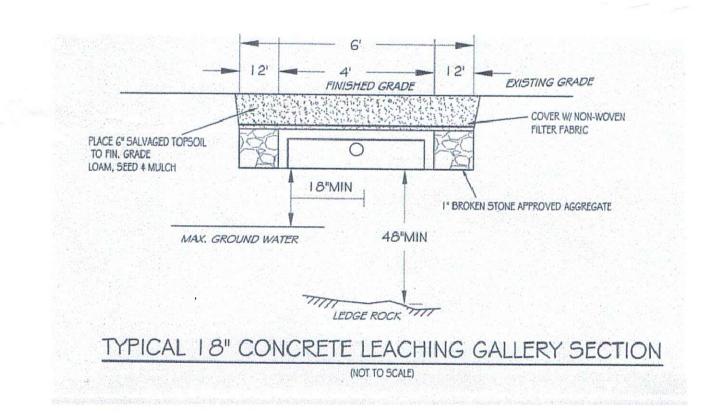
SATISFACTORY COMPLETION OF ALL THE ABOVE REQUIREMENTS SHALL PRECEED THE FINAL INSPECTION AND APPROVAL OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM AND



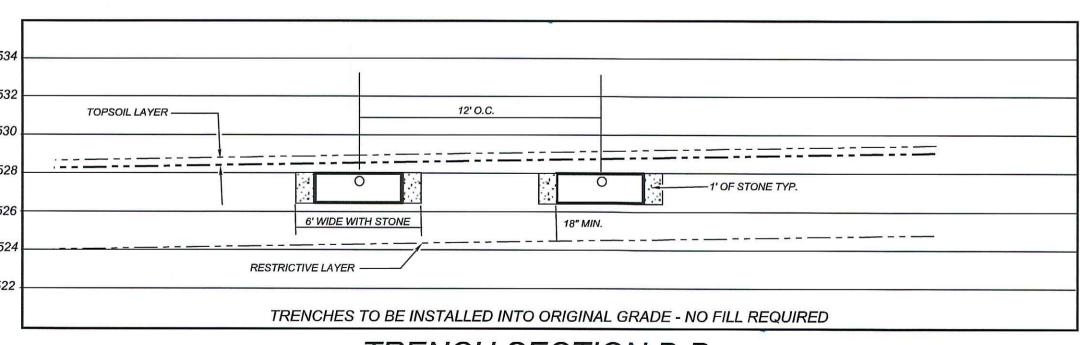


PERC TEST DATA (TAKEN ON 4-4-18) Light Brown Fine Sandy Loan

<u> </u>			-			
	PERC TE PRESOAI NAIL DOV DEPTH = DRY @ 1	K @ 11:35 NN 2" 28"	PERC PRESC NAIL D DEPTH DRY @	ON ON I =	(@ 11:41 VN 2" 27"	
	12:37 -	0"	12:39	-	0"	
	1:07 -	11 1/4"	1:09	-	10 1/2"	
	1:17 -	17 1/8"	1:19	-	16 1/2"	
	1:27 -	21 1/4"	1:29	-	20 1/8"	
	1"37 -	23 3/4"	1"39	-	23"	
	1:47 -	DRY	1:49	-	DRY	



PERC RATE = 1 - 10 MIN / IN PERC RATE = 1 - 10 MIN / IN PERC TESTS TAKEN BY McMINN ASSOCIATES ON 4-4-18



TRENCH SECTION B-B **NO SCALE**

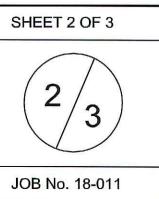
CONSTRUCTION ENTRANCE PAD TYPICAL INSTALLATION SYNTHETIC FILTER FABRIC NO DECLARATION IS EXPRESSED OR IMPRESSION (EMBOSSED) SEAL OF THE PROFESSIONAL WHERE SIGNATURE McMINN ASSOCIATES LAND USE CONSULTANTS PAUL STOWELL REG. LAND SURVEYOR 171 WILCOX ROAD MILFORD, CONNECTICUT No. DATE VIOLATION OF APPLICABLE LAWS (860)682-0163 - (860)537-0046 DESCRIPTION

DETAILS, SOILS DATA, CONSTRUCTION AND GENERAL NOTES

PREPARED FOR

MATT COIT

84 REDWOOD LANE - GLASTONBURY, CONNECTICUT DATE AUGUST 7, 2019



COPYRIGHT 2014

ALL RIGHTS RESERVED. UNAUTHORIZED

WENERS !!

