

DESIGN CRITERIA

TYPE OF ESTABLISHMENT 3 BEDROOM RESIDENTIAL
 DESIGN FLOW 330 G.P.D.
 SEPTIC TANK CAPACITY NEW 1500 GAL. SEPTIC TANK
 LEACHING CAPACITY REQUIRED 330 GPD / 0.53 = 589 SQ FT REQUIRED (CONV)
589 SQ FT @ 60% = 354 SQ FT (PRESBY)
400 SQ FT MINIMUM
 LEACHING CAPACITY PROVIDED PRESBY 195 L.F. PIPE MIN
210 L.F. ENVIRO SEPTIC PIPE PROVIDED
37' x 11.75' LEACHFIELD = 434 SQ.FT. PROVIDED

TEST PIT DATA

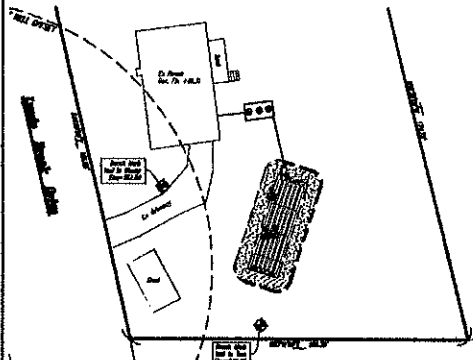
SOIL EVALUATOR: JASON DUBOIS
 WITNESSED BY: WILHELM VAN ARSDALEN
 DATE: 10/3/2019
 APPLICANT: BARBARA TOMOLONIUS

TEST PIT #1	TEST PIT #2
0'-8" A SL 101R 3/2 8'-36" B SL 101R 5/8 36'-88" C SL 251 5/4 REDUX @ 60"	0'-7" A SL 101R 3/2 7'-34" B SL 101R 5/8 34'-88" C SL 251 5/4 REDUX @ 60"
GROUND WATER ELEV (OBSERVED) <u>N/A</u> MOTTLING ELEV (OBSERVED) <u>80'</u> REFUSAL ELEV <u>N/A</u>	GROUND WATER ELEV (OBSERVED) <u>N/A</u> MOTTLING ELEV (OBSERVED) <u>80'</u> REFUSAL ELEV <u>N/A</u>
TEST PIT #3	TEST PIT #4
GROUND WATER ELEV (OBSERVED) <u>N/A</u> MOTTLING ELEV (OBSERVED) <u>N/A</u> REFUSAL ELEV <u>N/A</u>	GROUND WATER ELEV (OBSERVED) <u>N/A</u> MOTTLING ELEV (OBSERVED) <u>N/A</u> REFUSAL ELEV <u>N/A</u>

AS BUILT INFORMATION

SYSTEM INSPECTION DATE:

SYSTEM CONSTRUCTED BY:



AS BUILT NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT A LETTER CERTIFYING THAT THE SEWER GRAVEL INSTALLED MEETS TITLE V SEWER ANALYSIS REQUIREMENTS TO DC ENGINEERING PRIOR TO THE SUBMISSION OF THE AS-BUILT. DC ENGINEERING IS NOT RESPONSIBLE FOR THE SEWER ANALYSIS.

GENERAL NOTES

- ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE TOWN OF LEICESTER BOARD OF HEALTH.
- ALL SITE WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH TITLE 5.
- ANY CONDITIONS DURING CONSTRUCTION THAT DIFFER FROM THOSE ENCOUNTERED DURING TESTING SHALL BE REPORTED TO DC ENGINEERING AND THE LOCAL BOARD OF HEALTH IMMEDIATELY.
- REMOVE ALL TOPSOIL & SUBSOIL FOR A DISTANCE OF 5 FEET AROUND SYSTEM.
- FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL SHALL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATERIAL AND DELETERIOUS SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES. A SIEVE ANALYSIS, USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. FOR FURTHER INFORMATION SEE 310CMR 15:252(3).
- OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
- ALL ELEVATIONS REFER TO AN ASSUMED DATUM.
- NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A GARBAGE DISPOSAL (NOT ALLOWED).
- NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A WATER SOFTENER (NOT ALLOWED).
- THE PROPOSED SITE IS SUBJECT TO THE WETLANDS PROTECTION ACT.**
- THE PROPOSED PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD ZONE.
- THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED EVERY 2 YEARS.
- ALL EXISTING OR PROPOSED WELLS AND SEPTIC SYSTEMS WITHIN 150 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
- ALL WETLANDS, BROOKS, BODIES OF WATER AND FLOOD HAZARD ZONES WITHIN 200 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
- INSPECTIONS REQUIRED FOR ASBUILT CERTIFICATION * SEE ASBUILT NOTE *
 A. BOTTOM INSPECTION PRIOR TO THE INSTALLATION OF SEWER GRAVEL.
 B. ALL COMPONENTS OF SEPTIC SYSTEM MUST BE COMPLETE AND VISIBLE PRIOR TO REQUESTING A FINAL INSPECTION.
- DIG SAFE TO NOTIFIED PRIOR TO CONSTRUCTION AT 1-888-DIGSAFE.
- INSTALL MAGNETIC TAPE OVER ALL SYSTEM COMPONENTS, TANK, D-BOX, LEACH AREA.
- HYDRAULIC CEMENT IS REQUIRED TO SEAL ALL CONNECTIONS AT THE SEPTIC TANK AND D-BOX LEACHING AREA TO BE WATERTIGHT 4" PVC ASTM D 1785 LAID ON FIRM BASE.

PERCOLATION TEST DATA

SOIL EVALUATOR: JASON DUBOIS
 WITNESSED BY: WILHELM VAN ARSDALEN
 DATE: 10/3/2019

	PERC 1	PERC 2
DEPTH:	<u>44"</u>	
FIELD RATE:	<u>18 MPI</u>	
DESIGN RATE:	<u>0.53</u>	
SOIL CLASSIFICATION:	<u>2</u>	

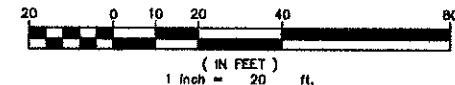
SYMBOL KEY

STONE WALL	=====
ROUND	=====
IRON PIPE	=====
DRILL HOLE	=====
UTILITY POLE	=====
WELL	=====
TEST PIT	=====
PERC TEST	=====
BENCH MARK	=====

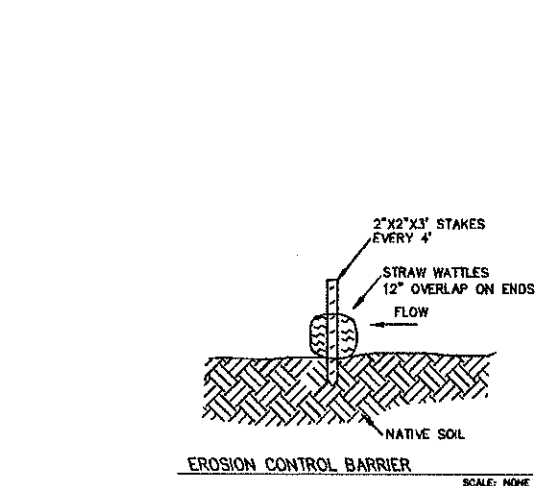
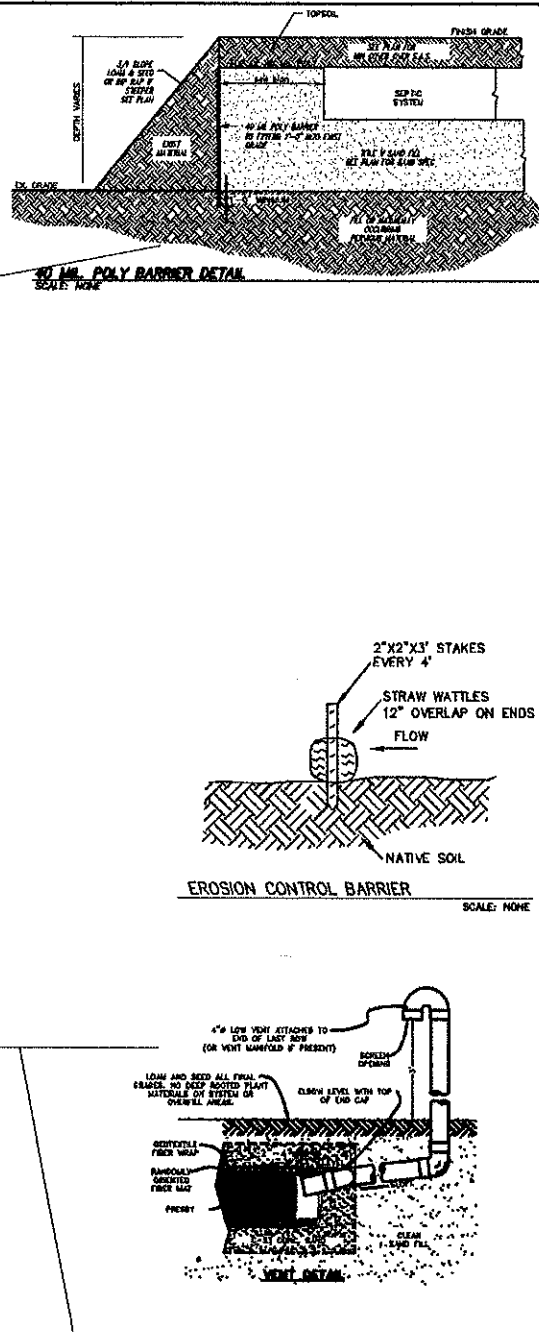
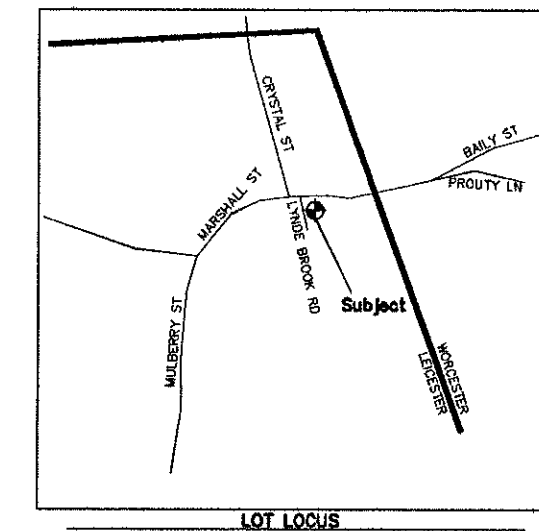
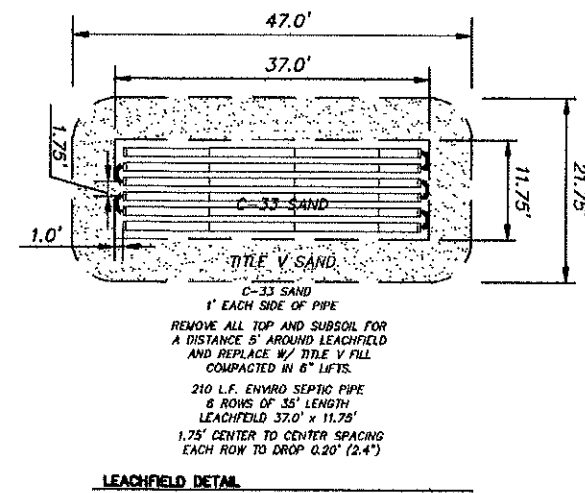
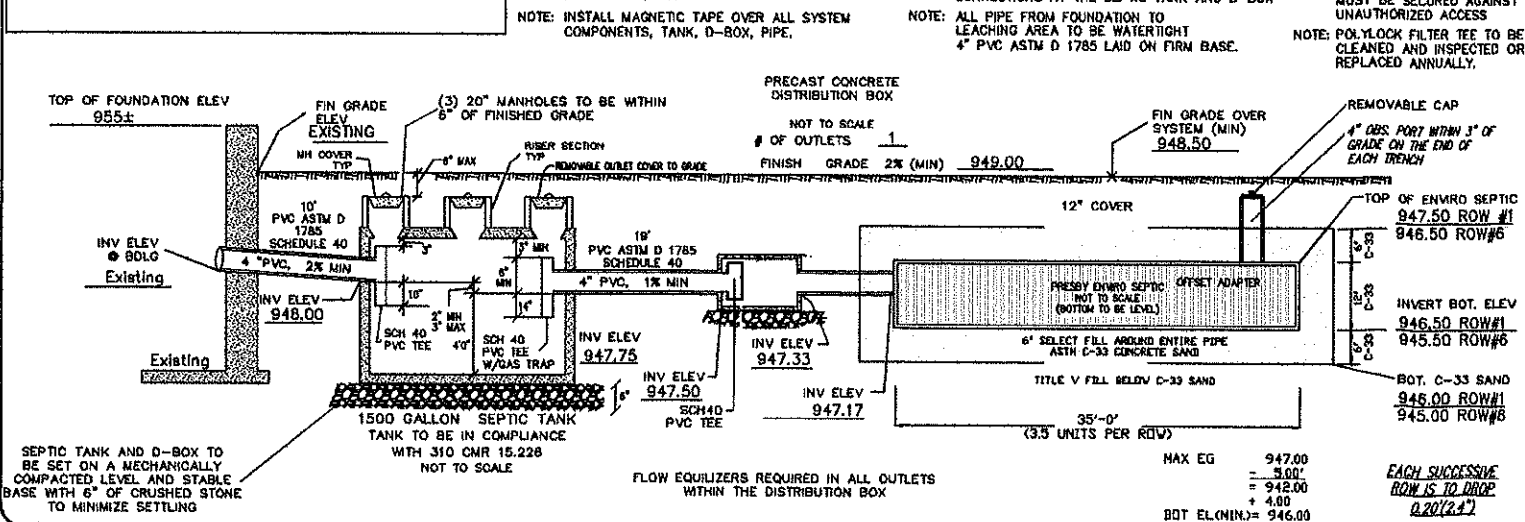
DIG-SAFE

PHONE # 877-344-7233

GRAPHIC SCALE



DISPOSAL SYSTEM PROFILE



JASON DUBOIS, P.E.
 PROFESSIONAL ENGINEER
 MA 01901-0000

JEREMY S. CROFT, P.L.S.
 PROFESSIONAL LAND SURVEYOR
 MA 01901-0000

NORTH

DC ENGINEERING
 1000 W. LEBANON ST. SUITE 100
 LEICESTER, MA 01524
 508-798-8888
 508-798-8888

CLIENT: BARBARA TOMOLONIUS
8 ORANGE ST. #7
NEWBURYPORT, MA 01950
 DRAWN BY: JDD
 CKD BY: JDD
 DATE: 1-8-2020
 PROJECT #: 19-283
 SCALE: 1"=20'
 DWS. NO.: 5-1