

<u>DESIGN</u>	<u>CRITERIA</u>
TYPE OF ESTABLISHMENT	<u>3 BEDROOM RESIDENTIAL</u>
DESIGN FLOW	<u>330 G.P.D.</u>
SEPTIC TANK CAPACITY	<u>NEW 1500 GAL. SEPTIC TANK</u>
LEACHING CAPACITY <u>REQUIRED</u>	<u>330 GPD / 0.60 = 550 SQ FT REQUIRED (CONV)</u> <u>330 SQ FT @ 60% = 330 SQ FT (PRESBY)</u> <u>400 SQ FT MIN. (PRESBY)</u>
LEACHING CAPACITY <u>PROVIDED</u>	<u>PRESBY 210 L.F. PIPE MIN</u> <u>210 L.F. ENVIRO SEPTIC PIPE PROVIDED</u> <u>32' x 15' LEACHFIELD = 480 SQ.FT. PROVIDED</u>

SOIL EVALUATOR: <u>JASON DUBOIS</u> WITNESSED BY: <u>MCKENZIE FALKER</u> DATE: <u>8/23/2023</u> APPLICANT: <u>ELIZABETH BROWN</u>		
TEST PIT #1 0"-20" FILL 20"-23" Ab SL 10YR 3/2 23"-48" Bb SL 10YR 5/6 48"-96" C SL 10YR 5/4 REDOX @ 48"		TEST PIT #2 0"-20" FILL 20"-23" Ab SL 10YR 3/2 23"-48" Bb SL 10YR 5/6 48"-96" C SL 10YR 5/4 REDOX @ 48"
GROUND WATER ELEV (OBSERVED) <u>N/A</u> MOTTLING ELEV (OBSERVED) <u>48"</u> REFUSAL ELEV <u>N/A</u>		GROUND WATER ELEV (OBSERVED) <u>N/A</u> MOTTLING ELEV (OBSERVED) <u>48"</u> REFUSAL ELEV <u>N/A</u>

GENERAL NOTES

1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE TOWN OF LEICESTER BOARD OF HEALTH
2. ALL SITE WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH TITLE 5
3. ANY CONDITIONS DURING CONSTRUCTION THAT DIFFER FROM THOSE ENCOUNTERED DURING TESTING SHALL BE REPORTED TO DC ENGINEERING AND THE LOCAL BOARD OF HEALTH IMMEDIATELY.
4. REMOVE ALL TOPSOIL & SUBSOIL FOR A DISTANCE OF 5 FEET AROUND SYSTEM
- 4a. 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 MATTER 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 15.255(3).
5. OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
6. ALL ELEVATIONS REFER TO AN ASSUMED DATUM.
7. NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A GARBAGE DISPOSAL.(NOT ALLOWED)
- 7a. NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A WATER SOFTNER.(NOT ALLOWED)
- 8. THE PROPOSED SITE IS SUBJECT TO THE WETLANDS PROTECTION ACT.**
- 8.1. NO ADDITIONAL PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD ZONE.
9. THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED EVERY 2 YEARS.
11. 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.
12. 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.
13. 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
14. DIG SAFE TO NOTIFIED PRIOR TO CONSTRUCTION AT 1-888-DIGSAFE.
15. INSTALL MAGNETIC TAPE OVER ALL SYSTEM COMPONENTS, TANK, D-BOX, LEACH AREA.
16. 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.

SOIL EVALUATOR: JASON DUBOIS
WITNESSED BY: MCKENZIE FALKER
DATE: 8/23/2023

DIG-SAFE

A circular symbol with a diagonal slash through it, indicating a prohibition against digging. Inside the circle is a silhouette of a person digging with a shovel.

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

(IN FEET)
1 inch = 20 ft.

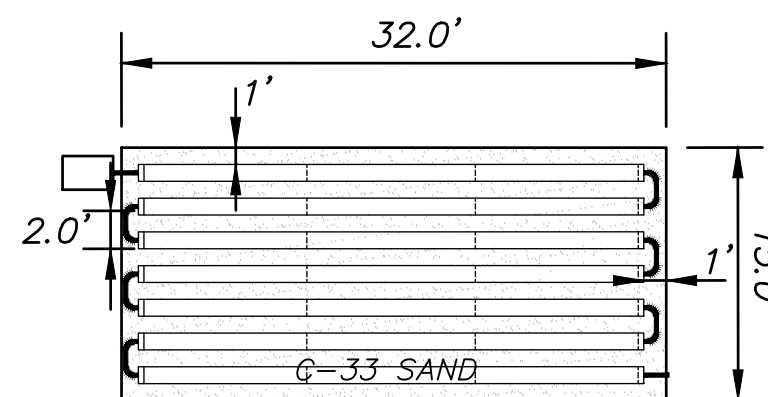
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT A LETTER CERTIFYING THAT THE SEWER GRAVEL INSTALLED MEETS TITLE V SIEVE ANALYSIS REQUIREMENTS TO DC ENGINEERING PRIOR TO THE SUBMISSION OF THE AS-BUILT. DC ENGINEERING IS NOT RESPONSIBLE FOR THE SIEVE ANALYSIS.

DISPOSABLE SYSTEM PROFILE

NOTE: INSTALL MAGNETIC TAPE OVER ALL SYSTEM COMPONENTS, TANK, D-BOX, PIPE.

NOTE: ALL PIPE FROM FOUNDATION TO
LEACHING AREA TO BE WATERTIGHT
4" PVC ASTM D 1785 LAID ON FIRM BASE.

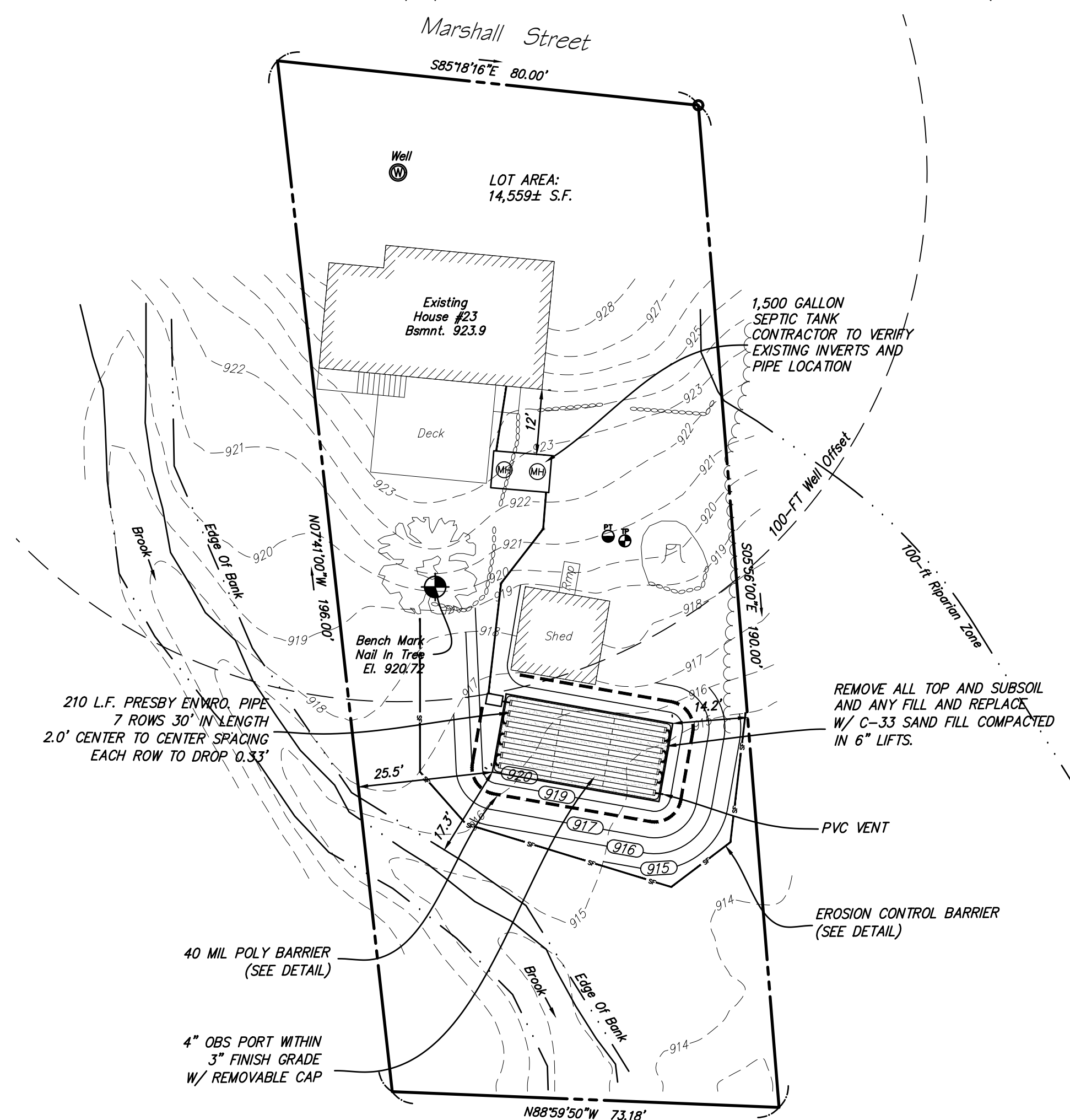
NOTE: POLYLOCK FILTER TEE TO BE
CLEANED AND INSPECTED OR
REPLACED ANNUALLY.



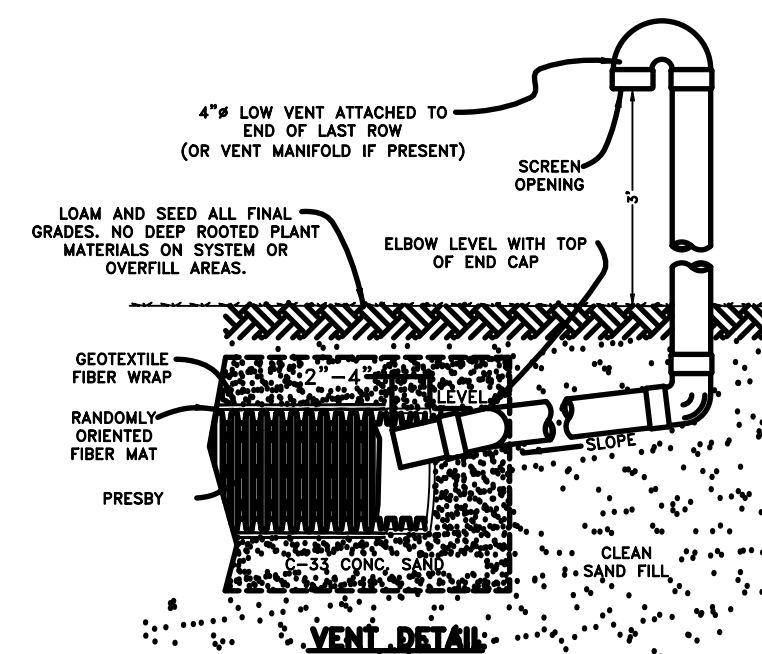
LEACHFIELD DETAIL

NOT TO SCALE

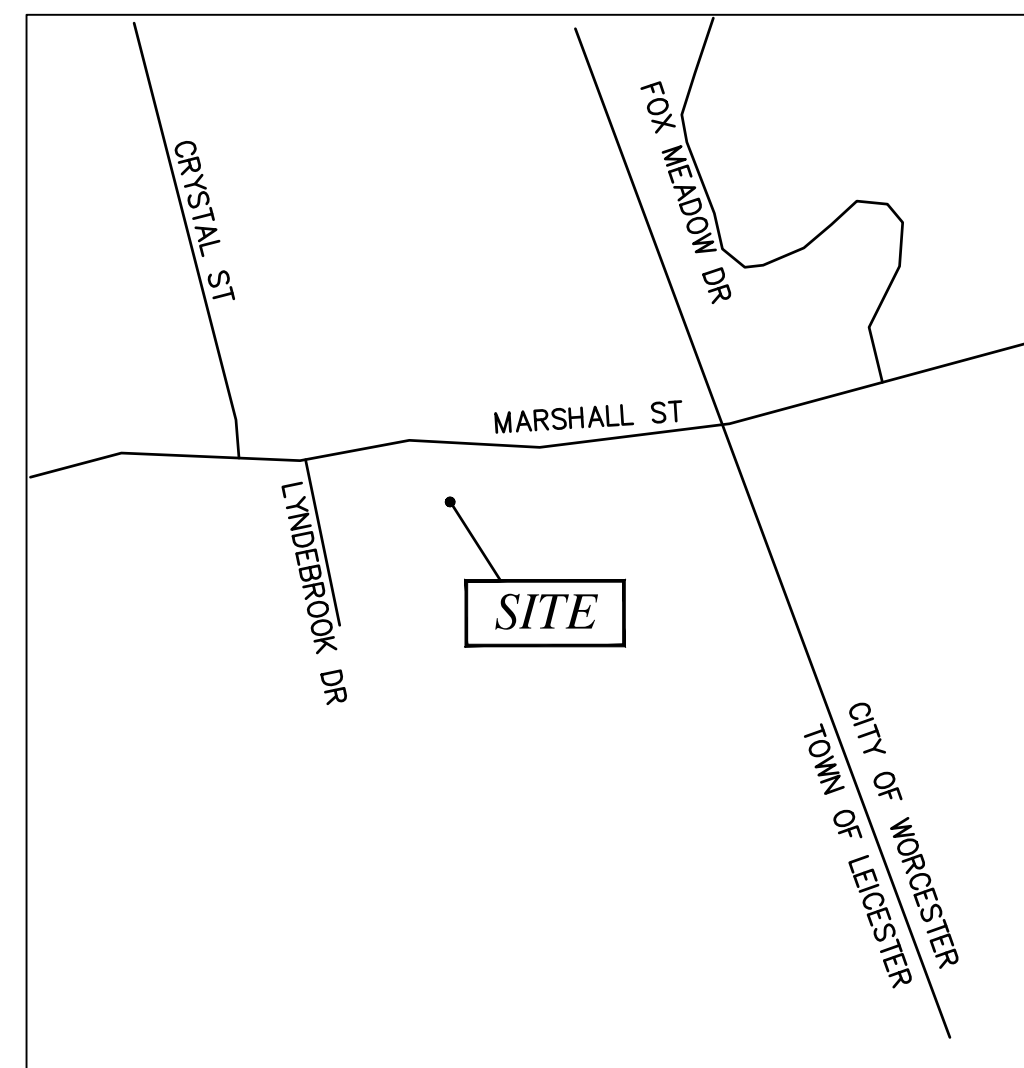
40 MIL. POLY BARRIER DETAIL
SCALE: NONE



NOTE: LOCAL UPGRADE APPROVAL REQUIRED FOR SAS LESS THAN 50' TO RESOURCE AREA



SCALE: 1"=1000



JEREMY S.
CROTEAU, P.L.S.
PROFESSIONAL
LAND SURVEYOR
MA.LIC.NO.: 48722

NO	DATE	REVISION

NORTH



ENGINEERING
& SURVEYING INC.

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508-341-2127



CHARLTON, MA

CLIENT: **GARY & ELIZABETH BROWN**
23 MARSHALL ST
LEICESTER MA 01524

DRAWN BY

CK'D BY JD

9-11-2

PROJECT #
03-000

SEPTIC SYSTEM PLAN REPAIR

RE

30

SW