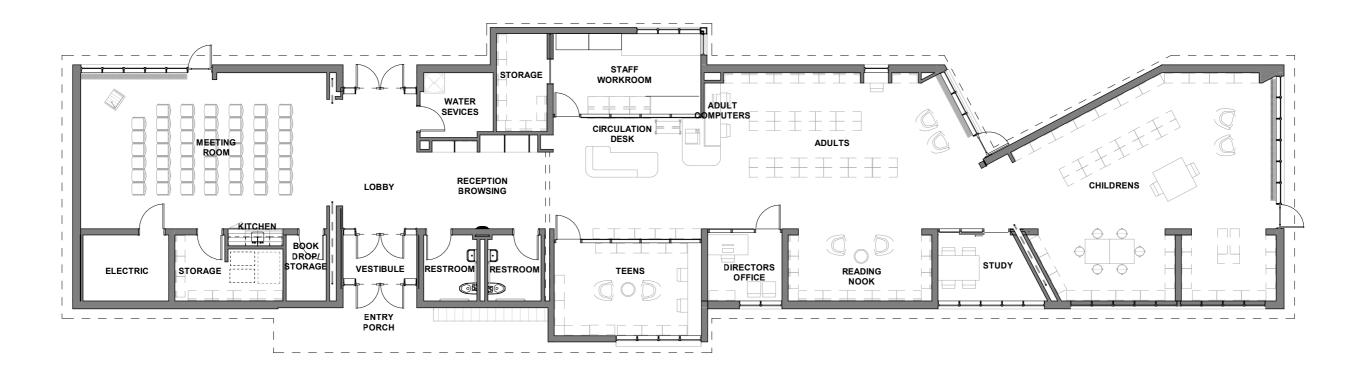
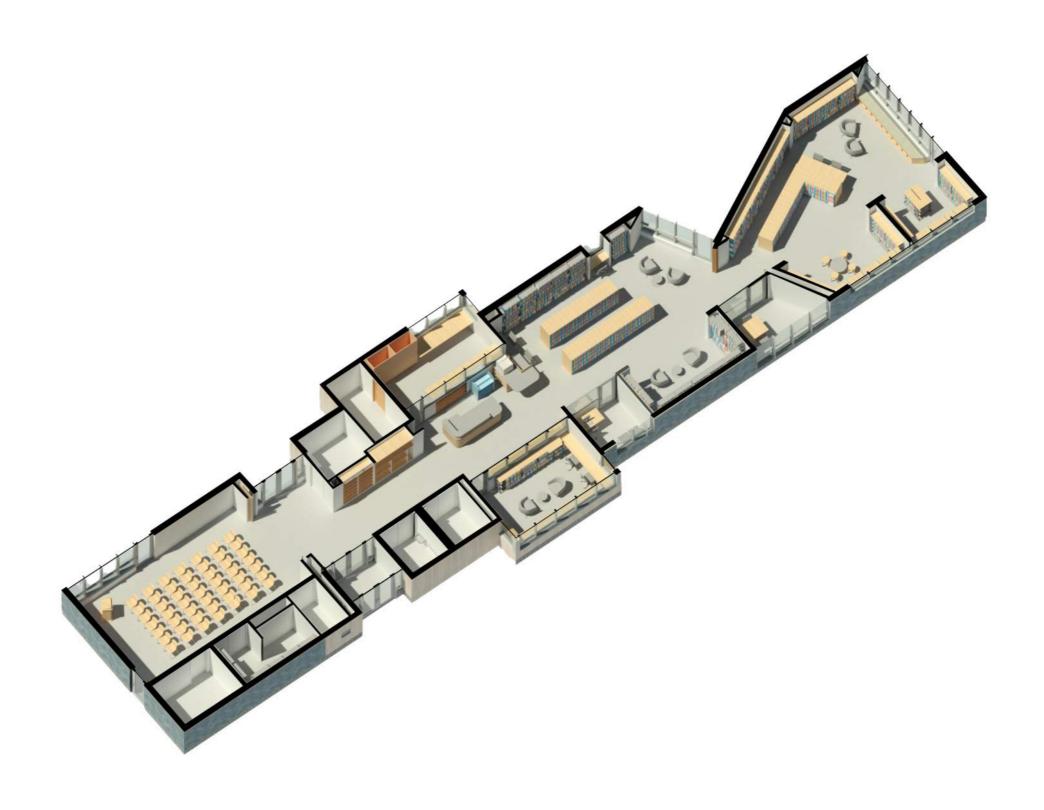
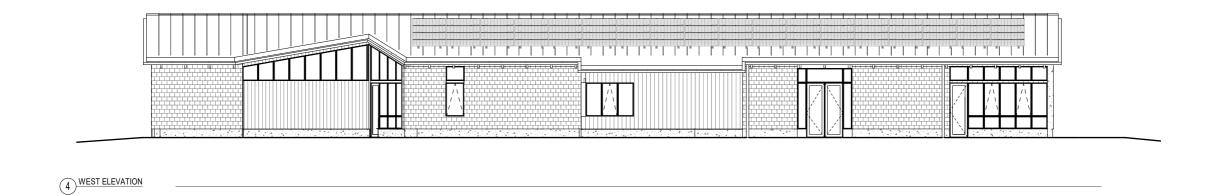


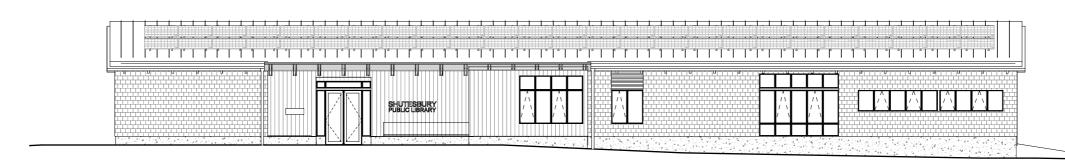


Site Plan Firetruck Turn Radius

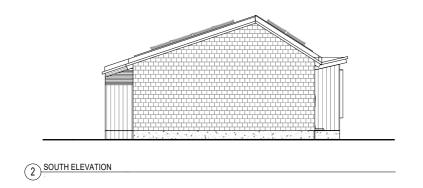


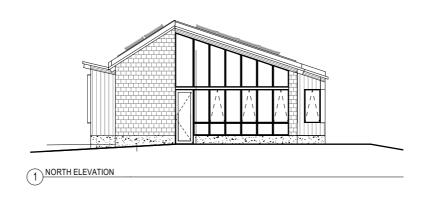


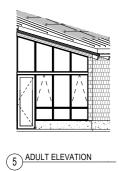




3 EAST ELEVATION







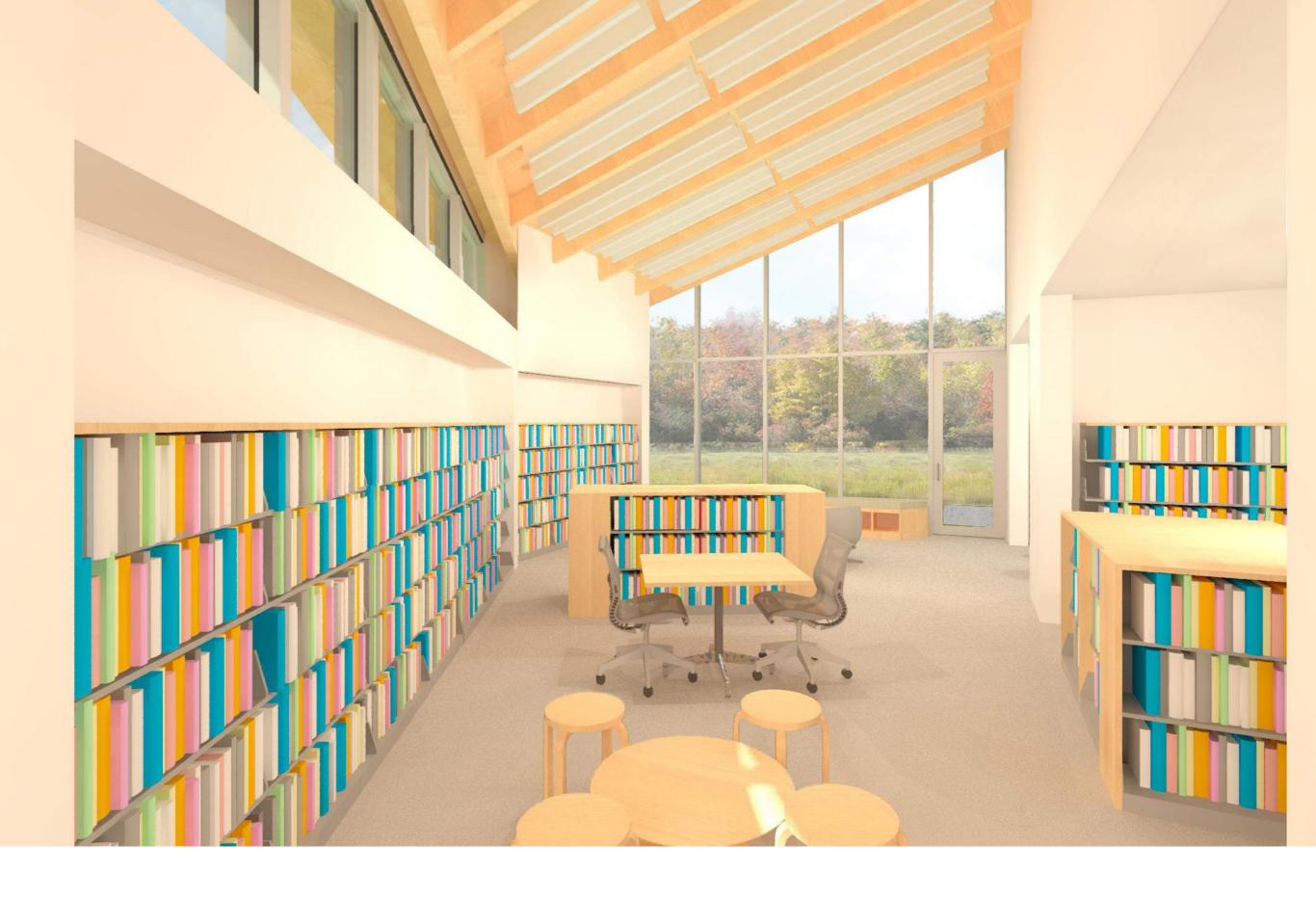






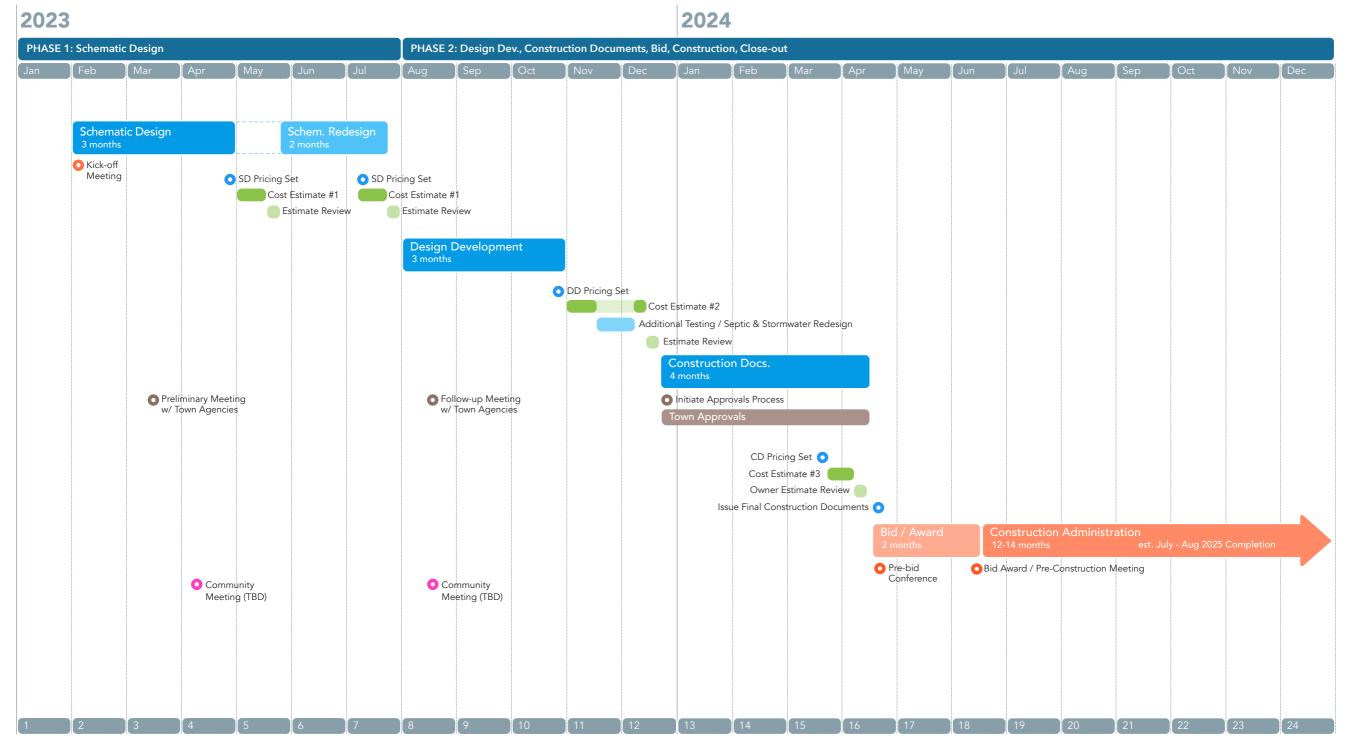
**Library Interior** Meeting Room





Library Interior Children's Room

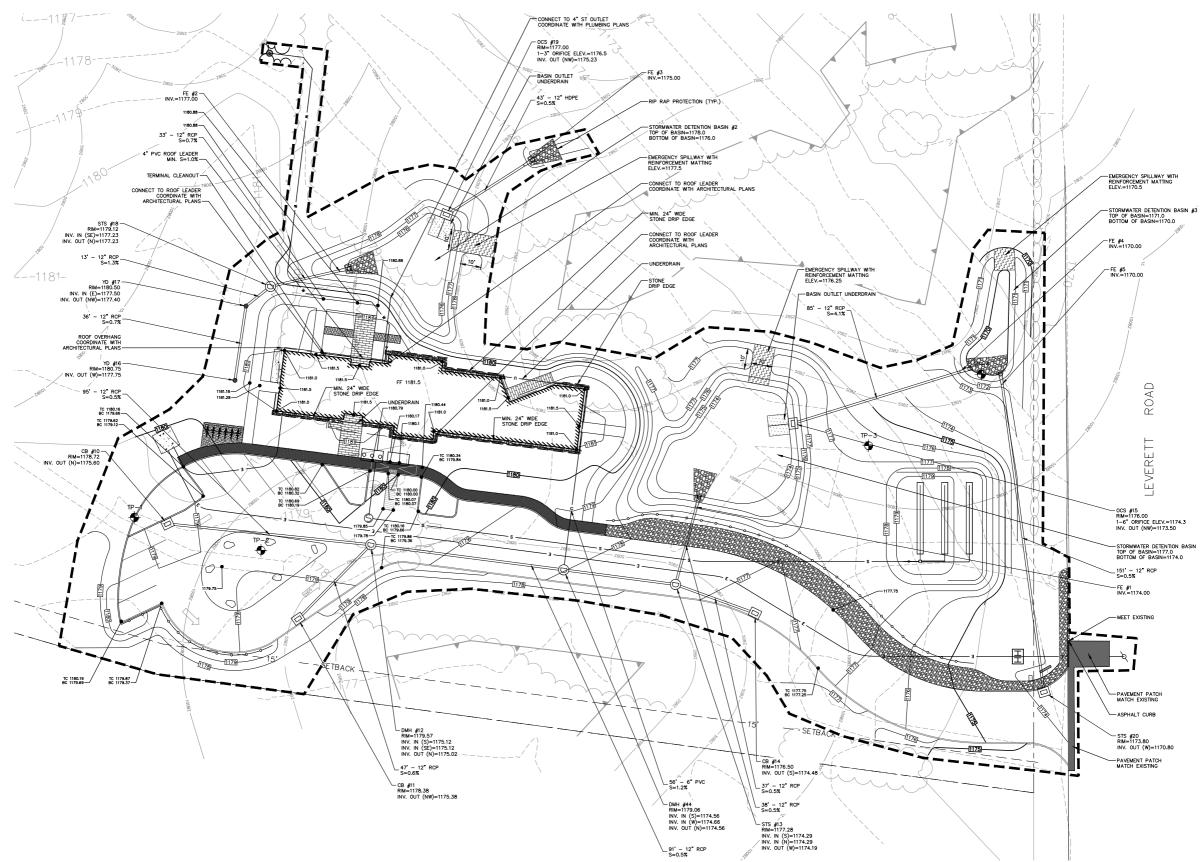
## **Project Schedule**

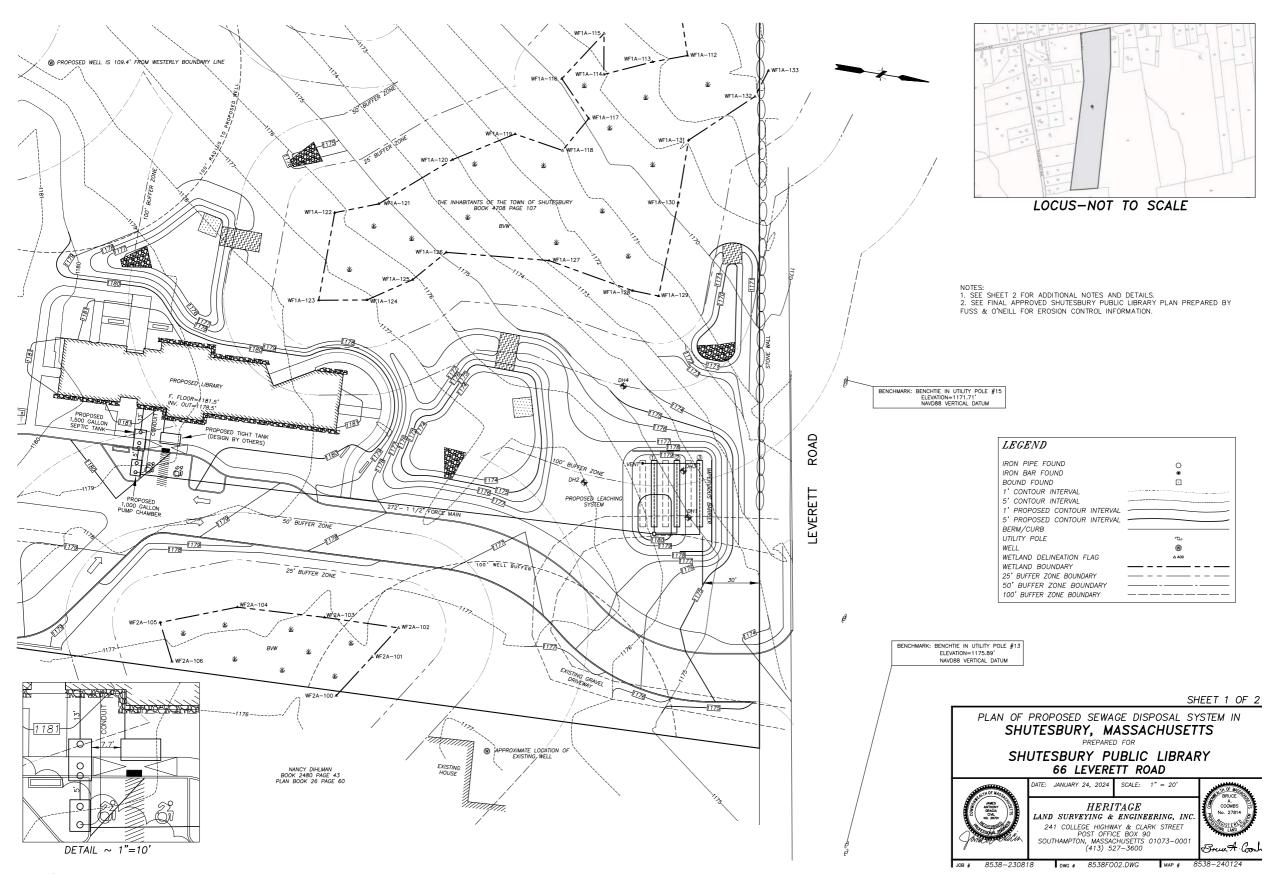












	- 1	DEEP OBSERVAT			
DEPTH FROM SURFACE (INCHES)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING (MUNSELL)	OTHER (STRUCTURE, STONES, BOULDERS, CONSISTENCY, MGRAVEL)
0"-10"	Α	LOAMY SAND	10YR 3/1		LOOSE, MOIST
10"-30"	В	LOAMY SAND	10YR 7/6		LOOSE, MOIST
30"-91"	С	LOAMY SAND	10YR 6/6	40"	LOOSE, MOIST

DEPTH TO GROUNDWATER

STANDING WATER IN HOLE: 91" ESTIMATED SEASONAL HIGH GROUND WATER: 40"

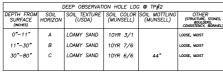
DEEP OBSERVATION HOLE LOG @ TP#3						
DEPTH FROM SURFACE (INCHES)	SOIL HORIZON		SOIL COLOR (MUNSELL)		OTHER (STRUCTURE, STONES, BOULDERS, CONSISTENCY, TIGRAVEL)	
0"-10"	A	LOAMY SAND	10YR 3/1		LOOSE, MOIST	
10"-36"	В	LOAMY SAND	10YR 7/6		LOOSE, MOIST	
36"-108"	С	LOAMY SAND	10YR 6/6	48"	LOOSE, MOIST	

DEPTH TO GROUNDWATER

STANDING WATER IN HOLE: 108" ESTIMATED SEASONAL HIGH GROUND WATER: 48"

1.500 GAL, TWO COMPARTMENT SEPTIC TANK HEAVY

DEPTH TO BEDROCK: NONE WEEPING FROM FACE: 52"



DEPTH TO GROUNDWATER

STANDING WATER IN HOLE: 80" ESTIMATED SEASONAL HIGH GROUND WATER: 44"

DEEP OBSERVATION HOLE LOG @ TP#2					
DEPTH FROM SURFACE (INCHES)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING (MUNSELL)	OTHER (STRUCTURE, STONES, BOULDERS, CONSISTENCY, TIGRAVEL)
0"-15"	A	LOAMY SAND	10YR 3/1		LOOSE, MOIST
15"-33"	В	LOAMY SAND	10YR 7/6		LOOSE, MOIST
33"-77"	С	LOAMY SAND	10YR 6/6	34"	LOOSE, MOIST

DEPTH TO GROUNDWATER

STANDING WATER IN HOLE: 77" ESTIMATED SEASONAL HIGH GROUND WATER: 34"

DEPTH TO BEDROCK: NONE WEEPING FROM FACE: 50"



LEACHING TRENCH DIMENSIONS:
35' LONG, 35" MIDE, 12" DEPTH WITH STONE
AREA CALCULATIONS:
35' LONG X 1' EFFECTIVE DEPTH X 2 SIDES =
35' LONG X 3' WIDE =
TOTAL AREA PER TRENCH =

TOTAL DESIGN CAPACITY: 175 S.F. X .60 GAL/S.F. X 3 TRENCHES =

	rerestation rest results (11 1).			recordition rest results (11 4).		
		Time	Measurement		Time	Measur
7 GAL/DAY	Begin saturation	10:12		Begin saturation	11:47	
5 GPD	End saturation	10:26	12"	End saturation	12:02	12"
MIN/INCH GPD/SQ.FT.	9" depth Measurement	10: 43	9"	9" depth Measurement	12: 21	9"
	6" depth Measurement	11:12	6"	6" depth Measurement	12: 56	6"
S.F. 5 S.F. 5 S.F.	Elapsed time 9" to 6"	_29		Elapsed time 9" to 6"	35	
5 GAL/DAY	Bottom of Percolation Test Hole: 31"			Bottom of Percolation Test Hole: 3		
	Percolation rate:	9 MIN/	INCH	Percolation rate:	11 MIN	/INCH

USI 7 HOLE DISTRIBUTION BOX

Percolation Test Results (TP1):

Percolation Test Results (TP4):

CONSTRUCTION NOTES:

Test Location: 66 Leverett Road

Shutesbury, MA 01072

Date of testing: 10/18/23

PERCOLATION TEST REPORT

Client: Town of Shutesbury

Job # 8538-230818

Water supply: Proposed Well

- PLAN SHOWS AN EXISTING WELL ON LAND OF NANCY DIFLAMAN. THE PROPOSED LEACHING SYSTEM IS APPROXIMATELY 140' FROM THE EXISTING WELL.

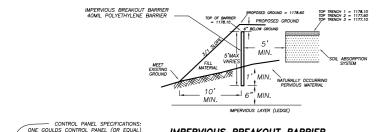
- THE SOIL PLACED AS BACKFILL OVER THE SYSTEM SHALL BE A MINIMUM OF NINE INCHES, EXCLUDING TOPSOIL PLACED IN LIFTS AND SUPPRICIPATE COMPACTED TO SUPPLY AND SUPPRICIPATE COMPACTED TO SUPPLY AND SUPPLY

- FILTER BACKWASH FROM WATER FILTRATION SYSTEMS, BASEMENT SUMP PUMPS, AIR CONDITIONER CONDENSATE PIPES &/OR ANY OTHER NON ON-SITE SEWAGE DISPOSAL SYSTEM COMPONENTS AS DEFINED IN 310 CMR 15.00 ARE NOT PERMITTED TO BE CONNECTED TO ANY SEWAGE DISPOSAL SYSTEM.
- THIS DESIGN DOES NOT INCLUDE PROVISIONS FOR USE OF A GARBAGE GRINDER DISPOSAL LINIT.

- TO MAINTAIN A PROPERLY FUNCTIONING SYSTEM, NO LARGE VEHICLES AND/OR HEAVY EQUIPMENT SHALL BE DRIVEN OVER OR PLACED ON TOP OF THE LEACHING SYSTEM. THIS MAY CAUSE COMPACTION OF THE SOIL, THE DISTRIBUTION BOX TO BECOME UNLEVEL OR ALTER THE SLOPE OF THE DISTRIBUTION LINES.

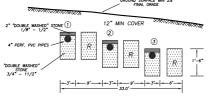
PRIOR TO INSTALLATION OF SEWAGE DISPOSAL SYSTEM THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-344-7233.

USI MATERIAL USI 1,000 GALLON PUMP CHAMBER HEAVY



USI

IMPERVIOUS BREAKOUT BARRIER



LEACHING TRENCH DETAIL (NOT TO SCALE)

NOTES:

ALL QUILET TEES SHALL BE EQUIPPED WITH A GAS
BAFFEL OR A DEPARTMENT APPROVED EFFLUENT THE FALTER.

"ALL TEES SHALL BE SCHEDULE 40 PVC PIPE AND EXTEND
6" ABOVE FLOW LINE.

"ARMINIUM 4" L'UOUID DEPTH.

-AIR SPACE (3" ABOVE TEES, 9" ABOVE FLOW LINE)

INVERT DATA FOR PROPOSED LEACHING TRENCHES

TP#1

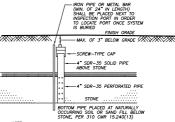
TP#3

1174.9

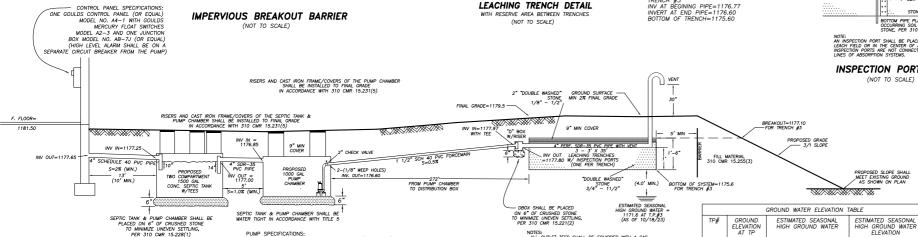
1175.6

TRENCH #2 INV AT BEGINING PIPE=1177.27 INVERT AT END PIPE=1177.10 BOTTOM OF TRENCH=1176.10

TRENCH #3 INV AT BEGINING PIPE=1176.77 INVERT AT END PIPE=1176.60 BOTTOM OF TRENCH=1175.60



## INSPECTION PORT DETAIL



CROSS SECTION OF PROPOSED DISPOSAL SYSTEM

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM IN SHUTESBURY, MASSACHUSETTS PREPARED FOR

## SHUTESBURY PUBLIC LIBRARY 66 LEVERETT ROAD DATE: JANUARY 24, 2024 | SCALE: NOT TO SCALE



HERITAGELAND SURVEYING & ENGINEERING, INC

241 COLLEGE HIGHWAY & CLARK STREET POST OFFICE BOX 90 SOUTHAMPTON, MASSACHUSETTS 01073-0001 (413) 527-3600



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