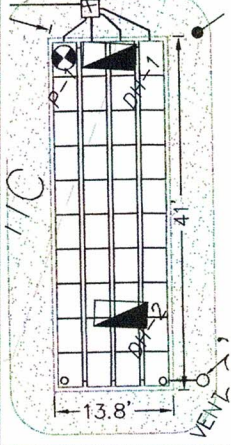


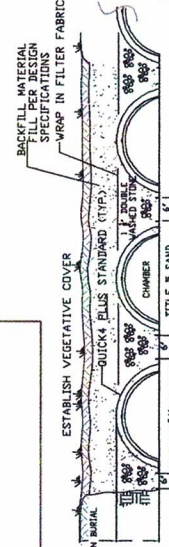
SOIL TEST DATA

PERFORMED BY: LAWRENCE C. GREENE - SE2688
WITNESSED BY: STEVE DONATELLI - Health Agent
DATE OF TEST: 12-14-2022

O.H. #	Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Notting	Other (Structures, Stones, Boulders, Consistency % Gravel)	NO.	DATE	DEPTH	RATE	L/TAR
1	00-12"	Ap	SL	10 YR 3/2		FRIABLE, GRANULAR	1222-15	12/14/2022	47"	2 MIN/IN	0.60"
	12-22"	B	SL	10 YR 5/6		FRIABLE, GRANULAR	1222-16	12/14/2022	56"	2 MIN/IN	0.60"
	22-109"	C	SAND	2.5 Y 5/4	NONE		* MIN. REQ. PER TOWN RES.				
2	00-11"	Ap	SL	10 YR 3/2		FRIABLE, GRANULAR					
	11-22"	B	SL	10 YR 5/6		FRIABLE, GRANULAR					
	22-101"	C	SAND	2.5 Y 5/4	NONE						
3	00-09"	Ap	SL	10 YR 3/2		FRIABLE, GRANULAR					
	09-17"	B	SL	10 YR 5/6		FRIABLE, GRANULAR					
	17-109"	C	SAND	2.5 Y 5/4	NONE						
4	00-14"	Ap	SL	10 YR 3/2		FRIABLE, GRANULAR					
	14-27"	B	SL	10 YR 5/6		FRIABLE, GRANULAR					
	27-108"	C	SAND	2.5 Y 5/4	NONE						

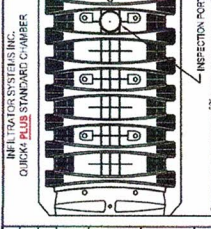


SCALE 1"=10"



INFLTRATOR SYSTEMS INC.
QUICK4 PLUS STANDARD
CHAMBER BED

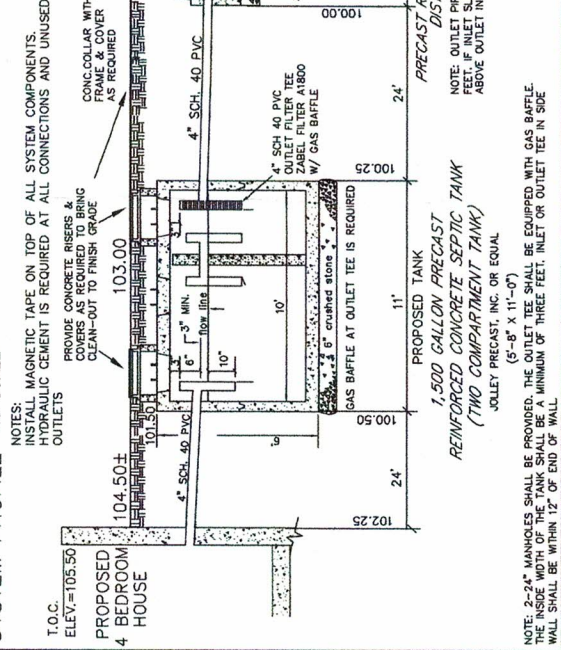
NOT TO SCALE



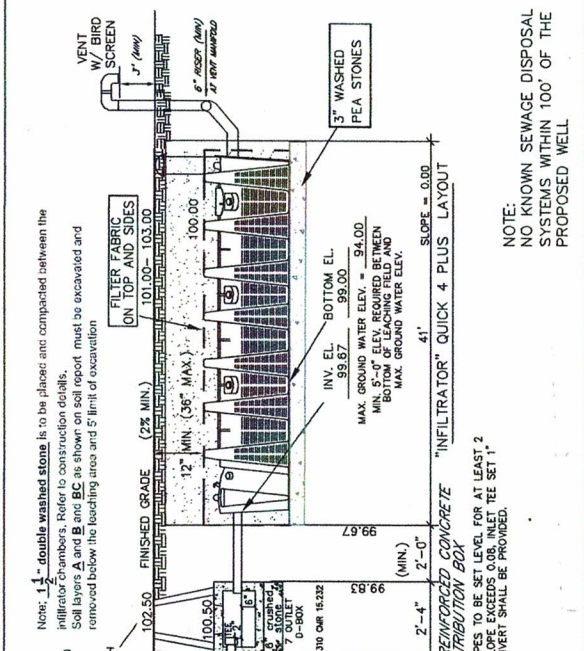
INFLTRATOR QUICK 4 PLUS DETAIL

CHAMBER - END VIEW

SYSTEM PROFILE NO SCALE



SCALE 1"=10"



SCALE 1"=10"

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION TO CONFORM TO TITLE 5 OF THE MASSACHUSETTS STATE ENVIRONMENTAL CODE (310 CMR 15.000) AND THE BOARD OF HEALTH REQUIREMENTS FOR THE TOWN OF SUTTON MASSACHUSETTS.
- TIGHT JOINT (TJ) PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED, OR AUTHORIZED PIPE TO BE LAID ON A FIRM BASE. TIGHT JOINT PIPES TO BE WATER TIGHT.
- ALL TOPSOIL AND DELETTERIOUS MATERIAL, IF ANY, MUST BE EXCAVATED AND REMOVED FROM THE LEACHING AREA. TOPSOIL TO BE REPLACED TO A DEPTH OF 5 FEET FROM ALL SIDES OF THE LEACHING AREA. BACKFILL TO BE QUINN'S CLAY, ORGANIC MATTER AND LARGE BOULDERS, HAVING A MINIMUM PERCENTAGE OF 10% SAND. FILL SHALL BE PROPERLY PLACED AND COMPACTED TO MINIMIZE SETTLEMENT. FILL AS PER 310CMR 15.255 (3).
- LEACHING AREA SHALL NOT BE PERMITTED TO PASS OVER THE SEPTIC TANK OR DISTRIBUTION BOX.
- FOR PROPER PERFORMANCE, SEPTIC TANK SHOULD BE INSPECTED AT LEAST ONCE A YEAR AND WHEN THE TOTAL DEPTH OF SCUM AND SOLIDS EXCEEDS 1/3 OF THE LIQUID DEPTH OF THE TANK, THE SEPTIC TANK SHOULD BE PUMPED, USUALLY EVERY 2 YEARS.
- ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN HEREON SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION CONTINUES.
- THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL NOT BE BACKFILLED PRIOR TO INSPECTION BY THE SUTTON BOARD OF HEALTH AND RAOUF MANKARYOUS, THE DESIGN ENGINEER.
- UNDERGROUND, AS WELL AS OVERHEAD UTILITY DATA INDICATED IS TO BE MAINTAINED AND NOTED PRIOR TO CONSTRUCTION. LOCATIONS ARE APPROXIMATE ONLY AND VERIFICATION SHOULD BE MADE IN THE FIELD. DIAL 1-888-DIG-SAFE PRIOR TO CONSTRUCTION.
- NO PROPERTY SURVEY WAS MADE AS PART OF THIS PLAN. PROPERTY LINE INFORMATION INDICATED WAS OBTAINED FROM DEED OF LAND. EXISTING PROPERTY LINES TO REMAIN UNCHANGED.
- TOPOGRAPHIC SURVEY CONDUCTED BY RAOUF MANKARYOUS AND IS BASED UPON AN ASSUMED (B.M.) ELEV. - SEE PLAN.
- THE PROPOSED CONSTRUCTION IS NOT SUBJECT TO THE WETLANDS PROTECTION ACT. THE SUTTON CONSERVATION COMMISSION NEED NOT TO BE CONTACTED. WETLANDS MORE THAN 100' AWAY.
- ALL KNOWN AND PROPOSED WATER SUPPLIES WITHIN 200' OF SYSTEM ARE SHOWN.
- SEPTIC TANK AND LEACHING FACILITY TO BE A MIN. OF 25' FROM ALL SURFACE AND SUBSURFACE DRAINS.
- WATER SOFTENERS ARE NOT TO BE CONNECTED TO SEPTIC TANK.
- HYDRAULIC CEMENT REQUIRED AT ALL CONNECTIONS.
- AREA IS NOT A TRIBUTARY TO A PUBLIC DRINKING WATER SUPPLY. PUBLIC DRINKING WATER SUPPLIES: NONE WITHIN 500' OF SEPTIC SYSTEM.
- DEED REFERENCE: WORCESTER COUNTY, BOOK 68819 PAGE 26
- ASSESSOR MAP 25 PARCEL 50 PLAN BOOK 988 PLAN 75

310 CMR 15.255(3) SYSTEM FILL SPECIFICATIONS

SEIVE SIZE	EFFECTIVE PARTICLE SIZE	% THAT MUST PASS SEIVE
#4	4.75 mm	100%
#50	0.30 mm	10%-100%
#100	0.15 mm	0%-20%
#200	0.075 mm	0%-5%

NOTES:
A SEIVE ANALYSIS IS REQUIRED FOR ALL SEPTIC SYSTEM SAND PRIOR TO INSTALLATION. DOCUMENTATION OF SEIVE ANALYSIS IS REQUIRED.

RAOUF MANKARYOUS R.S. #1359

DESIGN CRITERIA - TITLE 5

- TYPE OF ESTABLISHMENT: 4. BEDROOM HOUSE
- DESIGN FLOW: 5. BEDROOMS AT 110 gpd = 440 gpd
- SEPTIC TANK SIZE: 1,500 GALLONS
NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A GARAGE DISPOSAL, NO GARBAGE CRUSHER (DISPOSAL) ALLOWED
- DESIGN PERCOLATION RATE: 2 min./inch
SOL CLASS: I
LONG TERM ACCEPTANCE RATE (L.T.A.P.): 0.60" gpd/eq. ft.
MIN. REQ. PER TOWN RES. INFLTRATOR QUICK 4 PLUS
LEACHING CAPACITY PROVIDED: INFLTRATOR QUICK 4 PLUS
EFFECTIVE LEACHING AREA IN BED SYSTEM = 4.72 SF/FT
TOTAL LENGTH REQUIRED = 734/4.72 = 156 LF
NUMBER OF QUICK 4 PLUS STD CHAMBERS REQUIRED = 156/4 = 39
NUMBER OF QUICK 4 PLUS STD CHAMBERS PROPOSED = 40

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- TEST PIT LOCATION
- PERCOLATION TEST LOCATION

DESIGNED BY: R. MANKARYOUS DRAWN BY: R. MANKARYOUS DATE: 03-28-2023

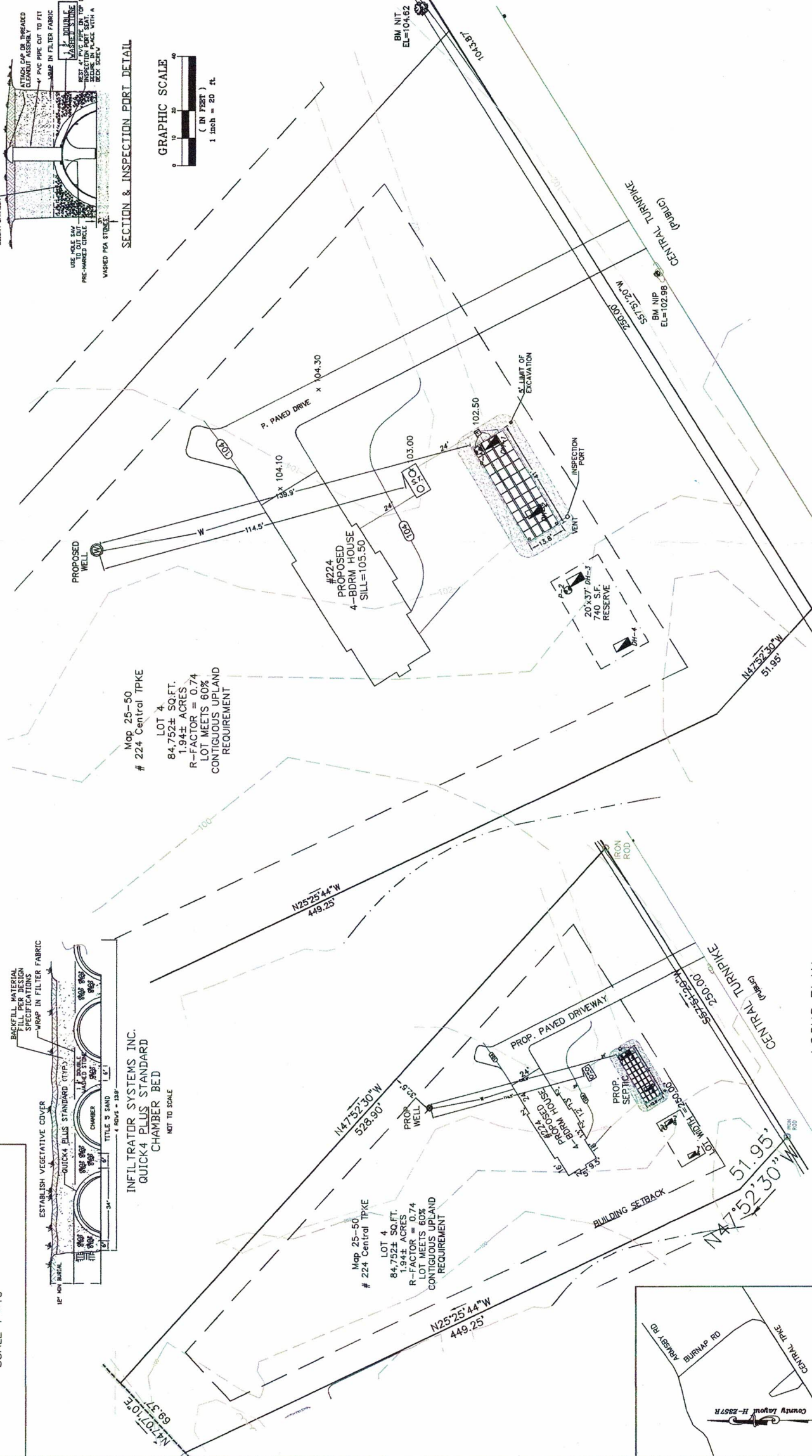
SCALE: 1" = 20'

SHEET: 1 OF 1



SEPTIC SYSTEM
LOCATED AT
224 CENTRAL TURNPIKE
SUTTON, MA
PREPARED FOR & OWNED BY
SHERMAN FARM ESTATES, LLC
230 ALBEE ROAD
UXBRIDGE, MA

REVISION:
B.O.H. PERMIT # S22-59
JOB # 23-0669



LOCUS PLAN
SCALE 1"=40"