

GENERAL NOTES

- PROPERTY LINES, DIMENSIONS AND MISCELLANEOUS INFORMATION TAKEN FROM

A. MAP SHOWING PROPERTY OF, FREDRICK W. MILES, TOWN OF SALISBURY, CONNECTICUT, SCALE: 1"=200', SEPTEMBER 6, 1963'. LOTS 4, 5, & 6 LAST REVISED MAY 7, 1965.

B. TOPOGRAPHY TAKEN BY FIELD SURVEY BY THIS OFFICE.

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. POTENTIAL PROBLEMS OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION STARTS. THIS DESIGN IS SCHEMATIC, ADJUSTMENTS TO LOCATIONS, DIMENSIONS AND ELEVATIONS OF SEPTIC TANK AND LEACHING SYSTEM MAY BE NECESSARY TO CONFORM TO FIELD CONDITIONS. CHANGES IN THE DESIGN SHALL BE APPROVED BY THE LOCAL HEALTH DEPARTMENT, THE ENGINEER OR BOTH. STATE LAW REQUIRES: CALL BEFORE YOU DIG 1-800-922-4455 TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES.

3. MATERIALS USED FOR THE JOB AND CONSTRUCTION PRACTICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT AND/OR THE CONNECTICUT STATE DEPARTMENT OF HEALTH PUBLIC HEALTH CODE SECTION 19-13-8103 A-F.

4. SEPTIC TANK SHALL BE WATER TIGHT 1,000 GALLON PRECAST CONCRETE, 2 COMPARTMENT TANK OR LARGER. TANK SHALL BE PLACED LEVEL. TANK COVERS SHALL BE PLACARDED WITH NOTIFICATION THAT "ENTRANCE INTO THE TANK COULD BE FATAL". TANK COVERS SHALL BE EXTENDED TO GRADE WITH SUITABLE RISERS AS REQUIRED. PROVIDE H-20 LOADING IF USED UNDER DRIVEWAY OR PARKING AREA. TANK SHALL HAVE AN APPROVED NON-BYPASS EFFLUENT FILTER AT THE OUTLET. THE SEPTIC TANK SHALL BE OF THE SIZE INDICATED AND SHALL BE PRECAST REINFORCED CONCRETE AS MANUFACTURED BY A. RICHARD SEPTIC SYSTEMS, INC., TORRINGTON, CONNECTICUT OR APPROVED EQUAL. IF A GARBAGE GRINDER IS INSTALLED IN THE HOUSE THE CAPACITY OF THE SEPTIC TANK SHALL BE INCREASED BY 250 GALLONS. IF LARGE TUB IS INSTALLED IN THE HOUSE, THE CAPACITY OF THE SEPTIC TANK SHALL BE INCREASED BY 250 GALLONS FOR A 100-200 GALLON TUB OR 500 GALLONS FOR A TUB OVER 200 GALLONS.

5. SEPTIC PUMP CHAMBER SHALL BE WATER TIGHT 1,000 GALLON PRECAST CONCRETE. PUMP CHAMBER SHALL BE PLACED LEVEL. TANK COVERS SHALL BE PLACARDED WITH NOTIFICATION THAT "ENTRANCE INTO THE TANK COULD BE FATAL". TANK COVERS SHALL BE EXTENDED TO GRADE WITH SUITABLE WATER TIGHT RISERS AS REQUIRED. PROVIDE H-20 LOADING IF USED UNDER DRIVEWAY OR PARKING AREA. THE PUMP CHAMBER SHALL BE OF THE SIZE INDICATED AND SHALL BE PRECAST REINFORCED CONCRETE AS MANUFACTURED BY A. RICHARD SEPTIC SYSTEMS, INC., TORRINGTON, CT OR APPROVED EQUAL. PUMP CHAMBERS IN HIGH GROUND WATER AREAS SHALL BE TESTED FOR LEAKAGE TO INSURE WATER TIGHTNESS.

6. PROVIDE 1"-3" MINIMUM COVER OVER SEPTIC TANK. TANKS INSTALLED IN DRIVE OR PARKING AREAS SHALL BE DESIGNED FOR H-20 LOADING.

7. ALL PIPE USED SHALL CONFORM TO STATE OF CONNECTICUT, DEPARTMENT OF HEALTH STANDARDS AND SHALL HAVE 1"-0" MINIMUM COVER OVER TOP OF PIPE.

8. THE PRECAST CONCRETE DISTRIBUTION BOX SHALL BE SET LEVEL TO PROVIDE EVEN FLOW TO BOTH SIDES. BOX SHALL BE SET ON 6" MIN. DEEP PAD OF COMPACTED GRAVEL OR 1" CRUSHED STONE.

9. THE SANITARY SEWAGE DISPOSAL SYSTEM CONSISTS OF 1 ROW OF GST 6224-GEOMATRIX FOR A TOTAL LENGTH OF 78 LF. 78 LF x 18.1 SF/LF = 1,411.8 SF EFFECTIVE AREA PROVIDED. A 3 BEDROOM HOUSE REQUIRES 990 SF MIN LEACHING AREA.

10. THE BACKFILL USED IN ALL SANITARY SEWAGE DISPOSAL SYSTEM TRENCHES SHALL BE AS SPECIFIED ON PLAN OR OTHER ACCEPTABLE MATERIAL MEETING THE SPECIFICATIONS OF THE STATE OF CONNECTICUT, DEPARTMENT OF HEALTH AND/OR LOCAL HEALTH DEPARTMENT.

11. SURFACE WATER SHALL BE DIVERTED FROM THE SANITARY SEWAGE DISPOSAL SYSTEM AREA BY MEANS OF GRADING.

12. THE DEVELOPER OR OWNER OR BOTH SHALL BE RESPONSIBLE FOR ALL RIGHTS OF WAYS AND RIGHTS TO DRAIN.

13. NO SUBSURFACE INVESTIGATIONS WERE MADE OTHER THAN THOSE INDICATED. SUBSURFACE PROBLEMS ARE THE RESPONSIBILITY OF THE OWNER. THE EXACT LOCATIONS OF ANY UNDERGROUND UTILITIES ARE UNKNOWN AND ARE THE RESPONSIBILITY OF THE OWNER SHOULD ANY BE ENCOUNTERED DURING THE INSTALLATION OF THE SANITARY SYSTEM.

14. THE SEPTIC SYSTEM IS FOR SANITARY SEWAGE DISPOSAL ONLY. ALL STORM WATER, COOLING WATER, WATER SOFTENER RESIDUES, SUBSOIL DRAINAGE AND OBJECTIONABLE INDUSTRIAL WASTES ARE TO BE EXCLUDED FROM THE SYSTEM.

15. THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.

16. NO AIR CONDITIONING, REFRIGERATION, WATER SOFTENER RESIDUES, OR DRAINAGE (SURFACE OR SUBSURFACE) MAY BE CONNECTED TO THE SANITARY SEWAGE DISPOSAL SYSTEM.

17. HOUSE FOOTING DRAINS SHALL BE KEPT 25' MIN. FROM ANY PART OF THE SANITARY SEWAGE DISPOSAL SYSTEM.

18. REMOVE THE TOPSOIL IN THE AREA TO RECEIVE FILL. CARE SHALL BE TAKEN TO NOT OVERCOMPACT THE SOIL WITH HEAVY EQUIPMENT. KEEP HEAVY EQUIPMENT OFF OF THE EXPOSED SURFACE. EQUIPMENT SHALL NOT BE USED ON THE EXPOSED SURFACE AREA DURING MUDDY CONDITIONS.

19. THERE ARE NO KNOWN WELLS WITHIN 75' OF THE PROPOSED SANITARY SEWAGE DISPOSAL SYSTEM.

20. NO SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED, ALTERED, REPAIRED OR EXTENDED WITHOUT AN APPROVAL TO CONSTRUCT ISSUED IN ACCORDANCE WITH THE CURRENT PUBLIC HEALTH CODE. NO DISCHARGE SHALL BE INITIATED TO A SUBSURFACE SEWAGE DISPOSAL SYSTEM WITHOUT A DISCHARGE PERMIT ISSUED IN ACCORDANCE WITH THE CURRENT PUBLIC HEALTH CODE. SUCH PERMITS AND APPROVALS SHALL BE ISSUED AND ADMINISTERED BY THE LOCAL DIRECTOR OF HEALTH.

21. WHILE THE SEWAGE DISPOSAL SYSTEM IS UNDER CONSTRUCTION, THE LOCAL DIRECTOR OF HEALTH MAY REQUIRE THAT THE CONSTRUCTION BE SUPERVISED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT, IF IN THE OPINION OF THE LOCAL DIRECTOR OF HEALTH IT IS NECESSARY TO INSURE CONFORMANCE TO THE PLANS APPROVED OR BECAUSE OF THE DIFFICULTIES LIKELY TO BE ENCOUNTERED, THE ENGINEER SHALL MAKE A RECORD DRAWING OF THE SEWAGE DISPOSAL SYSTEM, AS INSTALLED, WHICH HE SHALL SUBMIT TO THE LOCAL DIRECTOR OF HEALTH PRIOR TO THE ISSUANCE OF A DISCHARGE PERMIT.

22. THERE ARE NO SOURCES OF CONTAMINATION WITHIN 75 FT. OF PROPOSED WELL SITE.

23. THE SYSTEM MUST BE INSTALLED WHEN SOIL MOISTURE IS LOW.

24. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING ADJACENT TO TREES.

25. "AN 'AS-BUILT' PLAN MUST BE PREPARED AND SUBMITTED TO THE LOCAL HEALTH DEPARTMENT. WITHIN 30 DAYS OF THE INSPECTION BY THE ENGINEER/SURVEYOR."

26. "FOR LEACHING SYSTEMS CONSTRUCTED WITH THE BOTTOMS IN FILL, A MINIMUM OF TWO PERCOLATION TESTS MUST BE CONDUCTED IN THE FILL MATERIAL BEFORE THE LEACHING SYSTEM CAN BE INSTALLED."

27. "NO BALLAST IS REQUIRED FOR THE SEPTIC TANK OR PUMP CHAMBER PROVIDED THAT A MINIMUM OF 1.25' OF COVER IS MAINTAINED."

28. "AN IN-PLACE SIEVE TEST OF THE 'SELECT FILL' MATERIAL ON SITE TO BE CONDUCTED AS PART OF THE FILL APPROVAL PROCESS. THE TEST RESULTS FOR A COMPOSITE SAMPLE COLLECTED BY THE ENGINEER OR TESTING LAB MUST BE PROVIDED TO THE LOCAL HEALTH DEPARTMENT PRIOR TO ISSUANCE OF THE PERMIT TO DISCHARGE."

C-33 FILL SAND MATERIAL SPECS

- SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE. 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).
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REMEASURED AND THE SIEVE ANALYSIS STARTED.
- THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SELECT FILL SIEVE SIZE	PERCENT PASSING WET SIEVE	PERCENT PASSING DRY SIEVE	C 33 SIEVE SIZE	PERCENT PASSING
#4	100%	100%	0.375"	100%
#10	70-100%	70-100%	#4	95.0-100%
#40	10-50%	10-75%	#8	80.0-100.0%
#100	0-20%	0-5%	#16	50.0-85.0%
#200	0-5%	0-2.5%	#30	25.0-60.0%
			#50	5.0-30.0%
			#100	< 10%
			#200	< 5%

*PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5% IF THE FILL FAILS THE DRY SIEVE BUT PASSES THE WET SIEVE, THEN THE FILL SHALL BE APPROVED.

SOIL TEST DATA

DATE OF TESTING: 8-10-2022

DP #1 0'-5" TOPSOIL
5'-16" LIGHT BROWN LIMESTONE W/GRAVEL FILL
16'-33" WHITE 3" MINUS LIMESTONE
33'-42" YELLOW BROWN FINE SAND & GRAVEL
62'-76" ORIGINAL TOPSOIL ORGANICS
76'-98" GRAY MOIST VERY FINE SAND
98'-137" OLD TOPSOIL LAYER
MOTTLING @ 33"
ROOTS TO 73"
WATER @ 66"
NO LEDGE

DP #2 0'-6" TOPSOIL
6'-22" LIGHT BROWN LIMESTONE FILL
22'-31" YELLOW BROWN FINE SAND & GRAVEL
31'-48" ORIGINAL TOPSOIL ORGANICS
48'-98" GRAY MOIST VERY FINE SAND
MOTTLING @ 22"
ROOTS TO 80"
WATER @ 80"
NO LEDGE

PT #1 PERC IN ORIGINAL GRAY LAYER, DN 48"
SOIL MOIST
11:20 35%
11:30 4%
11:40 4%
11:50 4%
12:00 4%
12:10 4%
12:20 5%
PERC. RATE: 1"/53.33 MIN.

DATE OF TESTING: 11-22-2022

SOIL TEST DATA

DATE OF TESTING: 5-13-2024

PERC-IN-FILL

DEPTH: 18"
11:18 5 3/4"
11:20 7 3/4"
11:22 8 3/4"
11:24 9 3/4"
11:26 10 3/4"
11:28 10 3/4"
11:30 11 3/4"
11:32 11 3/4"
11:34 12"
11:36 12 3/4"
11:38 12 3/4"
11:40 13" DRY
PERC. RATE: 17/8 MIN.

AS-BUILT SWING TIE DISTANCES

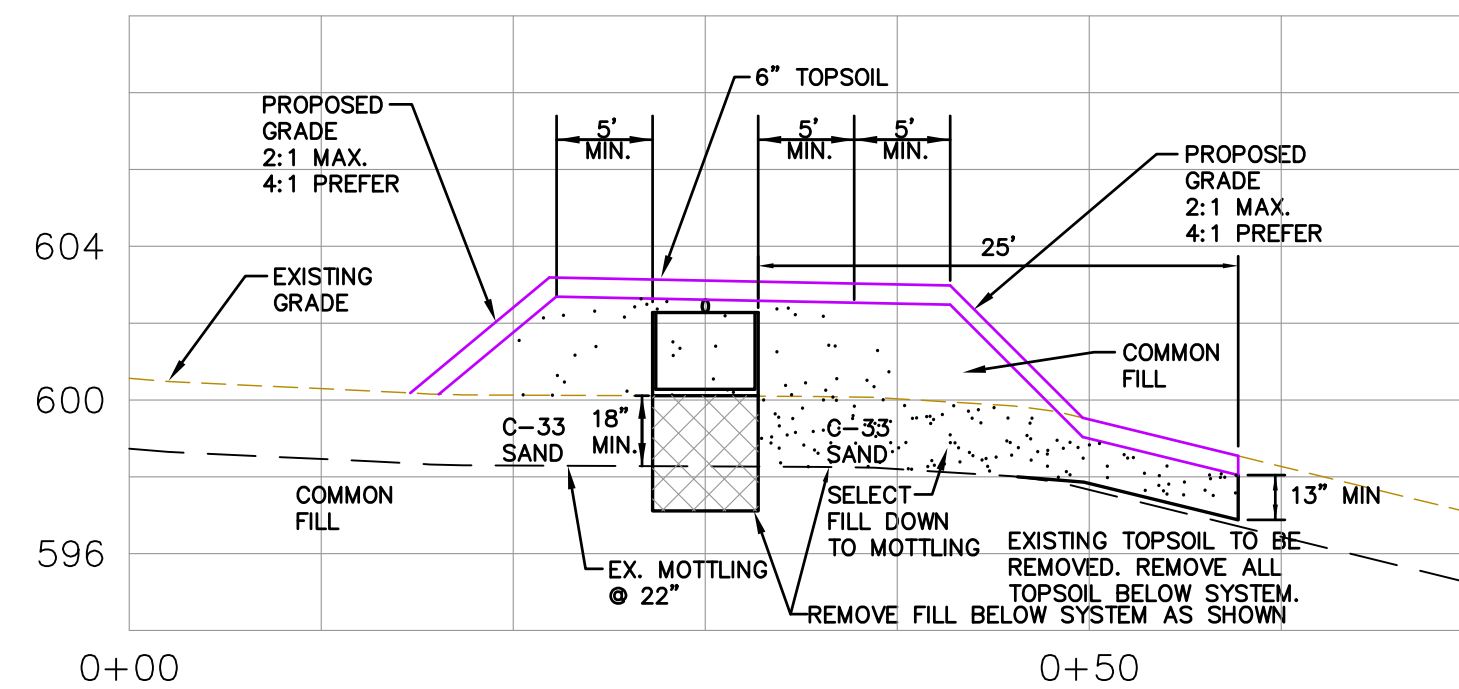
A= SOUTHERN MOST HOUSE CORNER
B= SOUTHWEST HOUSE CORNER
C= NORTHWEST GARAGE CORNER

	A	B	C	
1	1.45	26.78	26.71	PIPE INV. @ HOUSE
2	19.17	14.26	14.57	PIPE INLET @ TANK
3	27.28	15.22	13.44	PIPE OUTLET @ TANK
4	30.41	17.02	13.97	PIPE INLET @ PUMP
5	38.55	21.37	19.71	PIPE OUTLET @ PUMP
6	49.77	29.81	29.75	CENTER BAFFLE D-BOX
7	54.39	33.84	34.04	CENTER GEOMATRIX
8	65.26	37.49	59.08	CL END GEOMATRIX
9	67.29	61.63	41.08	CL END GEOMATRIX

NOTE: THE SEPTIC SYSTEM WAS INSTALLED IN GENERAL CONFORMANCE WITH THE DESIGN PLAN.

DRY SIEVE ANALYSIS - C33 SAND AND STONE AGGREGATE							
PROJECT NUMBER	1004						
DATE	01/10/2024						
SAMPLE DESCRIPTION	C-33 SAND						
LOCATION	204 BEWITEN THE LAKES ROAD, SALISBURY, CONNECTICUT						
DATE SAMPLE TAKEN	01/13/2024						
SAMPLE NUMBER	1 (IN-FILL)						
Oven Pan and Sample weight (lbs)	3.68						
Oven Pan Weight (lbs)	0.705						
TOTAL WEIGHT (LBS)	2.955						
Clear 5/8" Pan weight (lbs)	3.26						
Clear 5/8" Pan Sieve #4 Removed Weight (lbs)	0.35						
TOTAL WEIGHT AFTER #4 SIEVE REMOVED (LBS)	2.91						
SIEVE NUMBER	SIEVE WEIGHT	WEIGHT W/ SAMPLE	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	CT STANDARD DRY SIEVE	DRY SIEVE PASSING
3/8	1.075	1.075	0	0.00%	100.00%	100%	100%
4	0.425	1.22	0.80	1.00%	99.00%	95.0-100.0%	95.0-100.0%
5	0.850	1.21	0.385	13.23%	86.74%	80.0-100.0%	80.0-100.0%
10	0.850	1.18	0.465	16.67%	83.33%	40.0-85.0%	40.0-85.0%
20	0.850	1.25	0.625	21.68%	78.32%	25.0-60.0%	25.0-60.0%
40	0.75	1.51	0.76	28.80%	71.20%	5.0-30.0%	5.0-30.0%
100	0.60	1.21	0.605	13.92%	86.08%	<10%	<10%
200	0.60	0.9	0.14	4.81%	95.19%	<5%	<5%
PAN	0.82	0.88	0.06	2.06%	97.94%		
TOTAL WEIGHT		2.91					

GEOMATRIX GST6224



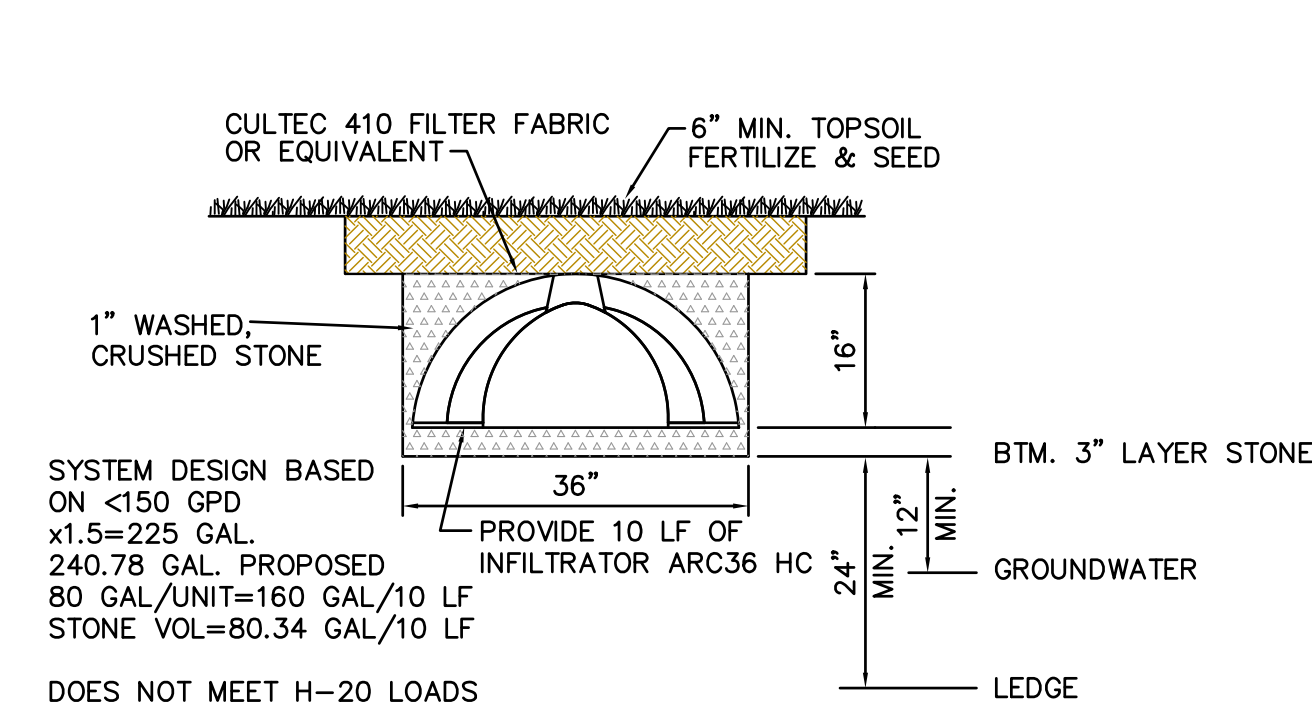
SECTION A-A

HORIZ. SCALE: 1"=10'

VERT. SCALE: 1"=5'

DRIVEWAY DETAIL

SCALE: 1"=5'



WATER TREATMENT WASTEWATER DISPOSAL SYSTEM DETAIL

(NOT TO SCALE)

SITE INFORMATION

TAX MAP DESIGNATION:

TOWN OF SALISBURY

MAP 58, LOT 03

ZONED: RR1

FUTURE PROPERTY OWNER & APPLICANT

RICHARD J. CANTELE, JR.

5 BRISSELL ST., P.O. BOX 1868

SALISBURY, CT 06039

AE
Allied Engineering Assoc. Inc.
95 Main St., 3rd Fl., East
P.O. Box 720, Torrington, CT 06068
860-824-1400 860-824-1401 fax
ae@george@gmail.com

REVISIONS - DESCRIPTION - DATE - INITIAL
1. - REV. - AS-BUILT - 7/18/24 - MAC
2. - REV. - AS-BUILT - 2/12/25 - MAC
3. - REV. - AS-BUILT - 4/4/25 - MAC
4. - REV. - AS-BUILT - 4/30/25 - MAC

PROPOSED SANITARY SEWAGE DISPOSAL
SYSTEM REPAIR PLAN
PREPARED FOR:
RICHARD J. CANTELE, JR.
204 BETWEEN THE LAKES ROAD
SALISBURY, CONNECTICUT

SCALE: 1"=20'
FILE NAME: 1004-SITE-AB4
DATE: 7/18/2024
ISSUED FOR: PERMITTING
PROJECT NO. 1004
DRAWING NO. C-3