ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 | Mooresville Office (704) 660-3625

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

MANF - 2024-675Cele

PERMIT : OSWP 2024 - 55387

PIN # 4870-77-9714

APPLICANT/OWNER: Boyce Gallihen | APPLICANT ADDRESS: 165 Ashley Acres Rd Statesville NC 28677

SITE ADDRESS: 137 Cedarvale Drive Harmony NC 28634 | PHONE: 704402-2795 | ALT. PHONE —

SITE DIRECTIONS: Hwy 21 N → Tomlinson Ave → (R) Redmon Rd → (R) Peppertree → (R) Cedarvale | SAP CONTROLLED: ☐ YES ☒ NO

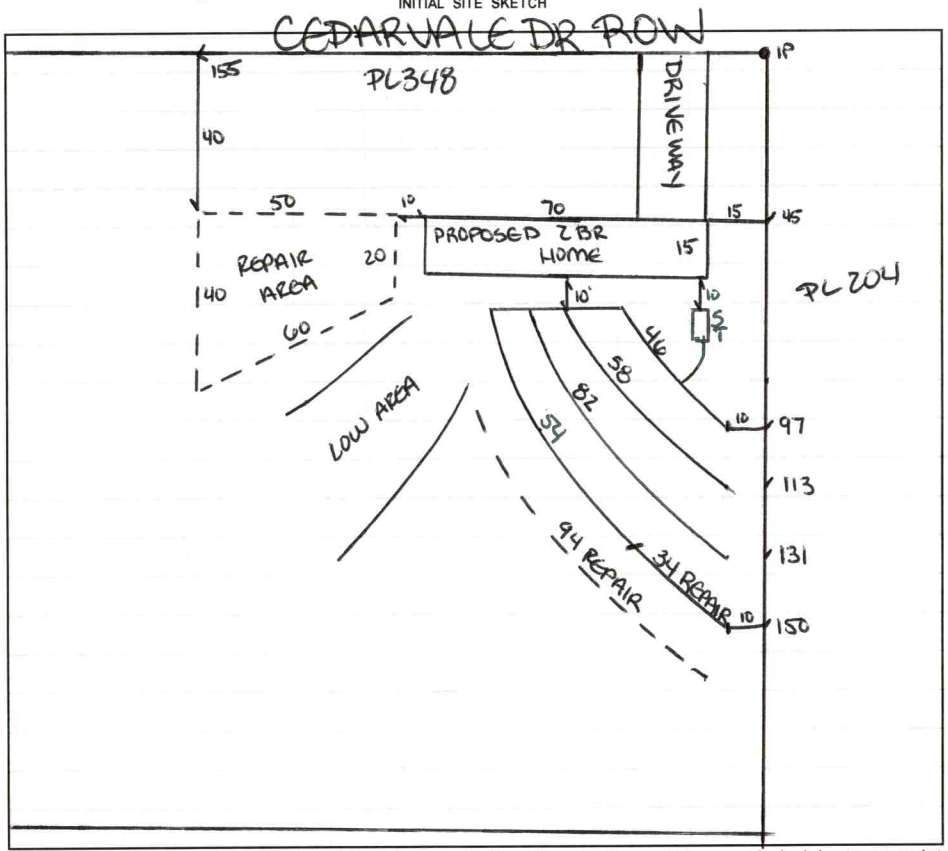
SUBDIVISION: Sagefield | SECTION: 2 | LOT # 41 | LOT AREA: 1.45 | DESIGN FLOW: 240 | L.T.A.R.(Initial): 0.25 | L.T.A.R (Repair): 0.25

Septic Tank	1000 (gal)	STB 760	Date 6-26-24	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 2	**Water Supply**
Pump Tank	(gal)	PT	Date	System Description: Gravity 25% Reduction		☐ Business	No. Persons 4	☐ Private
Pump Make	Model		Serial #	Repair System Description: Gravity 25% Reduction		☐ Other	No. Employees —	☒ Public
# Nitrification Fields 1	# Lines 4		Linear Ft 240	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width 36"	*Max. Trench Depth(Initial) 22"		*Max. Trench Depth(Repair) 30"	"Gravel Depth —	☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

* Measured on the downhill side of the trench | Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 | Usable Depth to LC (Initial): 42" | Usable Depth to LC (Repair): 48" | *Limiting Condition*

Comments / Conditions: Install on contour utilizing serial distribution. Do not exceed maximum depth of 28". Do not drive, grade, park, or pump vehicles in septic area.

INITIAL SITE SKETCH



AS BUILT SKETCH

Install as drawn

13
58
74
66

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE | Date: — | Installed by: Tim Abee

IMPROVEMENT PERMIT by: Sarah Z Williams | Date: 7/2/2024 | OPERATION PERMIT by: Matt Wilk | Date: 8-16-24

AUTHORIZATION TO CONSTRUCT by: Sarah Z Williams | Date: 7/2/2024 | Existing System Inspected by: | Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4870-77-9714
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Boyce Galliher DATE EVALUATED: 6/27/2024
ADDRESS: 165 Ashley Acres Rd Statesville NC 28677
PROPOSED FACILITY: SFR/MH PROPOSED DESIGN FLOW (.0400): 240 PROPERTY SIZE: 1.45AC
LOCATION OF SITE: 137 Cedarvale dr Harmony NC 28634 PROPERTY RECORDED: Y
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 10'
EVALUATION METHOD: Auger Boring (Pit) Cut TYPE OF WASTEWATER: (Domestic) High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS/SH 8%	0-9	SC SBK	SSSPSE FR	2.5YR 4/6 MATRIX	49		—	S 0.25	4"
		9-34	C ABK	↓						
		34-49	CL WABK	↓						
					heavy SAP incl in CL					
2	LS 15%	0-11	SC SBK	SSSPSE FR	2.5YR 4/6	52	R/C SAP VFi 42-52"	—	S 0.25	6"
		11-30	C ABK	↓						
		30-42	CL WABK	↓						
		42-52	SAP M R/C	VFi NSNPSE	heavy SAP incl 30"+					
3	LS 15%	0-12	SCL SBK	SSSPSE FR	2.5YR 4/6	50		—	S 0.25	6"
		12-45	C ABK	↓						
		45-50	CL WABK	↓						
					heavy SAP incl 45"+					
4	LS 15%	0-5	FILL —	—	2.5YR 4/6	55	few CHMO motts @ 28-30"	—	S 0.25	6"
		5-18	SC SBK	SSSPSE FR						
		18-38	C ABK	↓						
		38-55	CL WABK	↓						
					heavy SAP incl 38"+					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	240'	240'
System Type(s)	G 25%	G 25%
Site LTAR	0.25	0.25
Maximum Trench Depth	22"	30'

SITE CLASSIFICATION (.0509): S 0.25
EVALUATED BY: S. Williams
OTHER(S) PRESENT: _____

Comments: _____

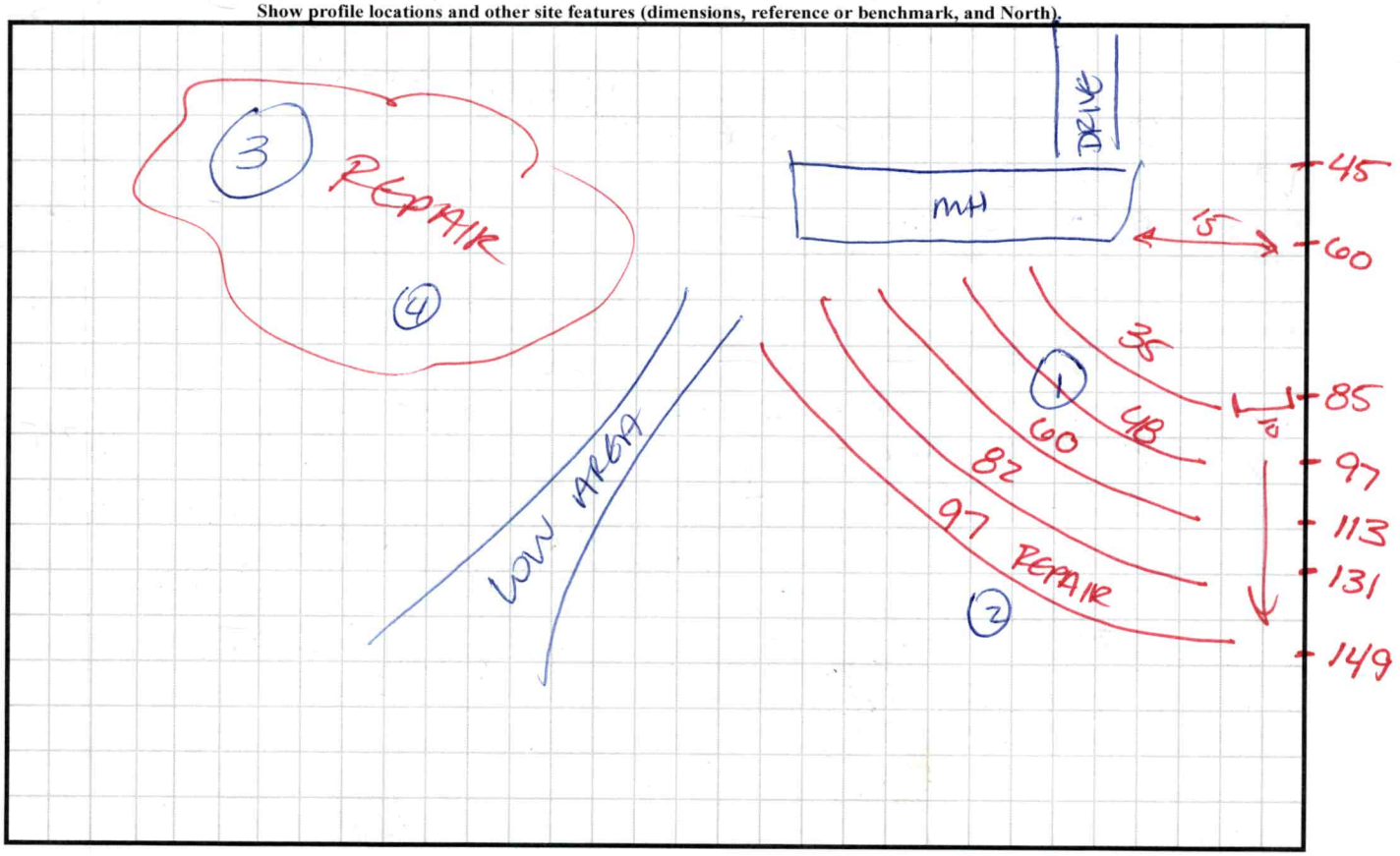
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

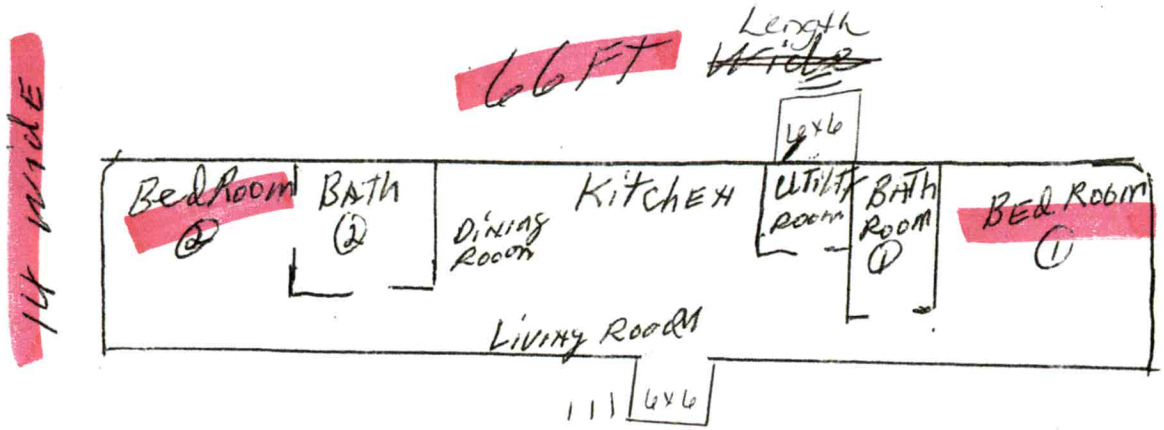
Show profile locations and other site features (dimensions, reference or benchmark, and North).



137 CEDARVALE LN
HARMONY NC
PERMIT 229380

PIN 4870-77-9914

BEDROOMS (2)
BATH (2)



USED
Home

Deed Alw

5/22/2024