BLDR-2022-9234

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | MW Mooresville Office (704) 660-3625 | PERMIT # AP 2022-2317

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

PIN # 4754 -- 56 -- 8936

APPLICANT/OWNER: Ever Sierra | APPLICANT ADDRESS:

SITE ADDRESS: 510 S Greenbriar Rd, Statesville 28625 | PHONE: | ALT. PHONE

SITE DIRECTIONS: East Broad St - Greenbriar | SAP CONTROLLED: ☐ YES ☒ NO

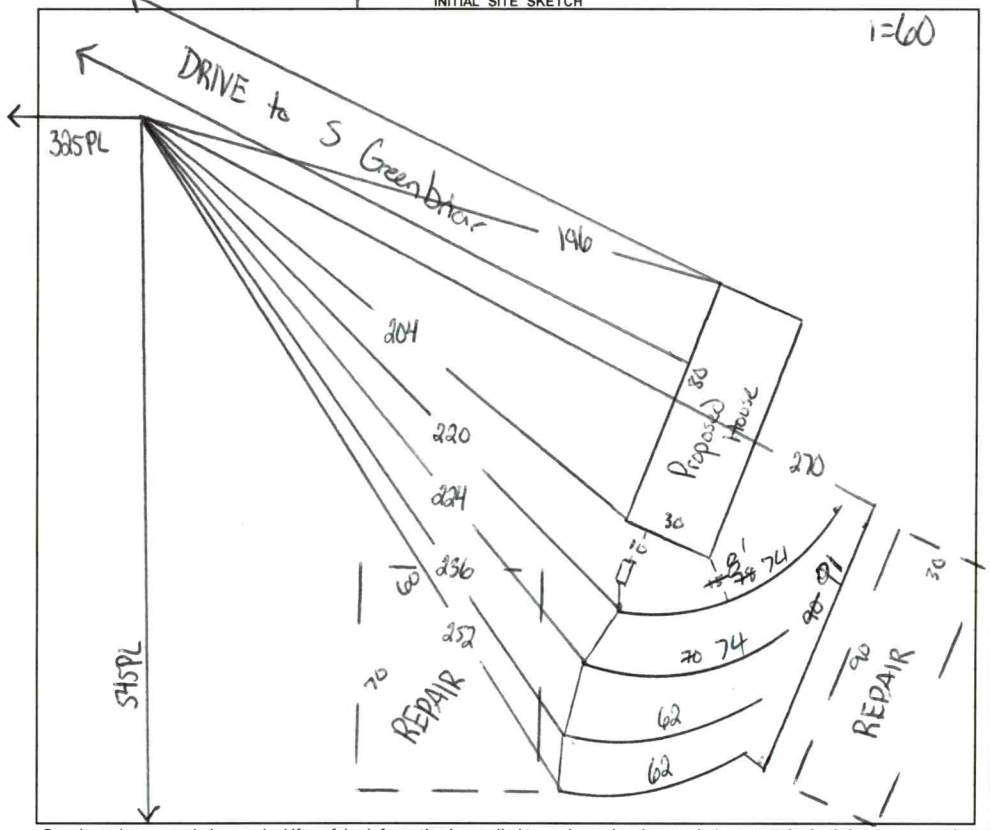
SUBDIVISION: Fourth Creek Crossing | SECTION: - | LOT # 3 | LOT AREA: 6.99 acres | DESIGN FLOW: 360 gpd | L.T.A.R.: 0.25

Septic Tank	1000 (gal)	STB	854	Date	2-10-2023	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT		Date		System Description:	25% reduction	☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description:	25% reduction	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	5	Linear Ft	360'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width	36 in	Trench Bottom Depth(Low side)	30 in	Gravel Depth	-		☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install lines on contour with the land. Do not exceed 36 in trench bottom. Do not grade, park, or drive on septic area.

INITIAL SITE SKETCH



AS BUILT SKETCH

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.

INSTALLED AS SHOWN!

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: [signature] Date: 11/1/22 | Installed by: A-1 BACKHOE

IMPROVEMENT PERMIT by: [signature] Date: 10/12/22 | OPERATION PERMIT by: Bryant C. White Date: 4-24-2023

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 10/12/22 | Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

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

Sheet 1 of 1
PROPERTY ID #: 47545689346
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Ever Sierra
ADDRESS:
PROPOSED FACILITY: 3 bdr home PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 510 S Greenbriar
APPLICATION DATE 8/22/22
DATE EVALUATED: 10/5/22
PROPERTY SIZE: 6.99
PROPERTY RECORDED: yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Shoulder 10%	0 - 9	SCL SBK	SS SP FR SE	Few Yellow/ Browns in C layer	54	-	-	.25 PS
		9 - 32	C SBK	SS SP FR SE					
		32 - 54	CL SBK	SS SP FR SE					
2	Shoulder 9%	0 - 10	SCL SBK	SS SP FR SE	Few Yellow/ Browns in C layer	50	Few inc CL	SAP in layer	.25 PS
		10 - 27	C ABK	SS SP FR SE					
		27 - 50	CL SBK	SS SP FR SE					
3	Shoulder 10%	0 - 6	SCL SBK	SS SP FR SE	Few Yellow/ Browns in C layer	50	-	-	.275 PS
		6 - 28	C ABK	SS SP FR SE					
		28 - 50	CL SBK	SS SP FR SE					
4	Shoulder 8%	0 - 6	SCL SBK	SS SP FR SE	Few Yellow/Browns in C layer	50	-	-	.25 PS
		6 - 26	C ABK	SS SP FR SE					
		26 - 50	CL SBK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	25%
Site LTAR	.25	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

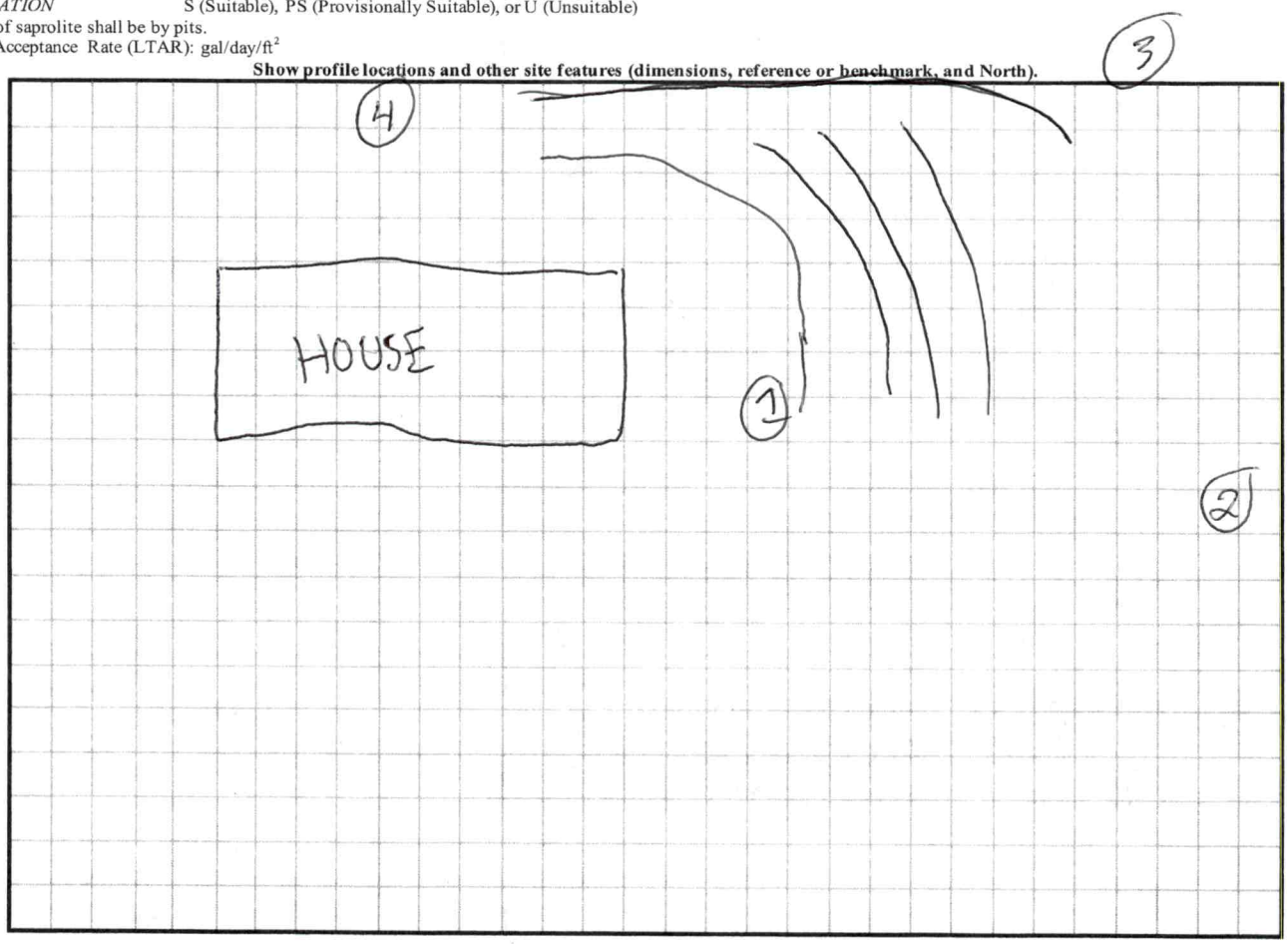
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

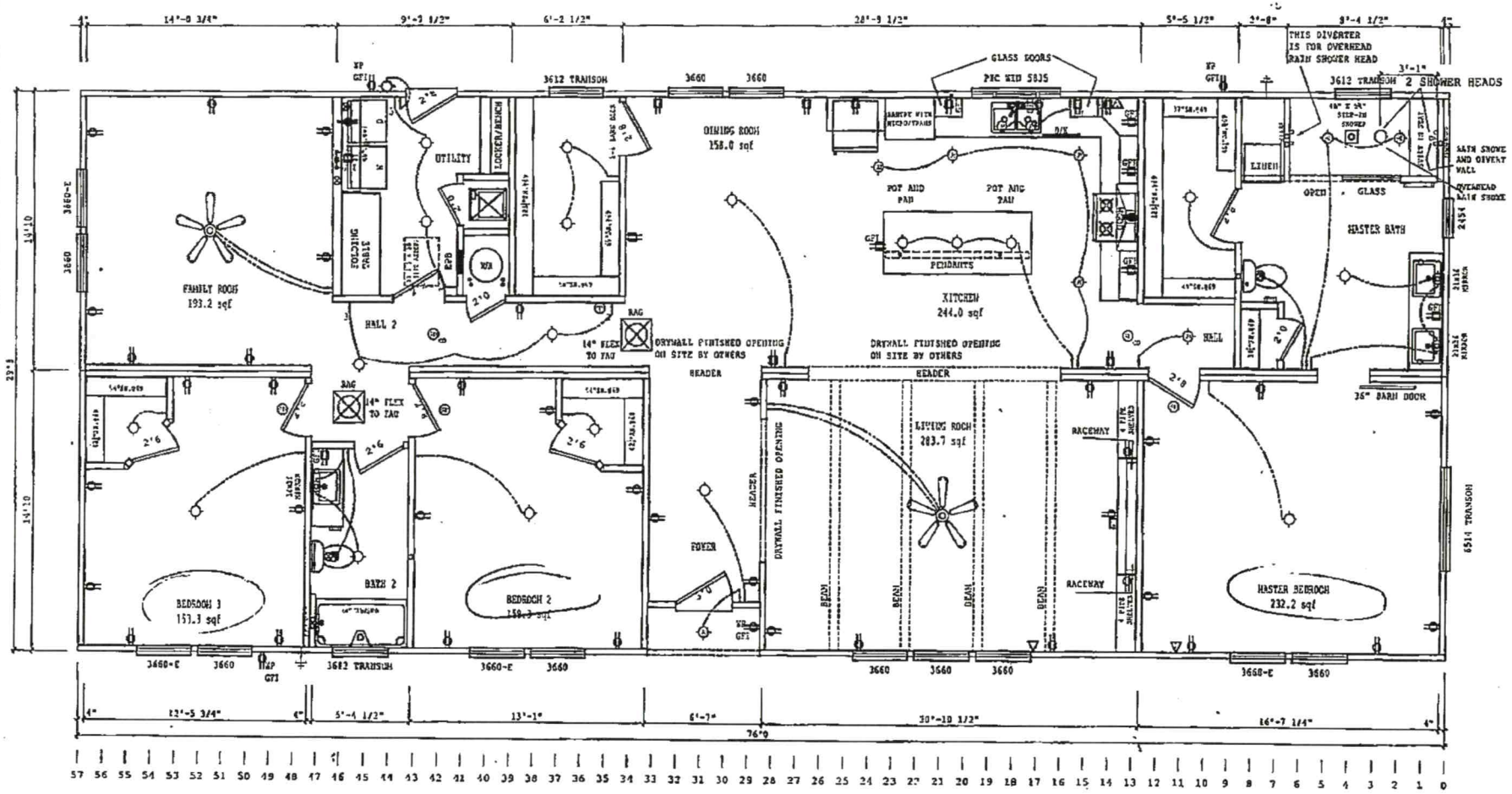
Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



Cary Wil
10/12/22

Kimberly Faye
3-22-22 3 Bedroom
(32x76)



APPROVED OCT 1 2 2022

1=60

895

545

1007 (1035)

4754-56-2967

4754-67-1071

4754-56-8936

3

644

4754-56-9499