ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP 2022-650 BLDR-2023-29270

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

PIN # 4747 -66 -4346

APPLICANT/OWNER: Jessica Estrada APPLICANT ADDRESS: 136 Taurus Rd, Statesville, NC 28625

SITE ADDRESS: 515 Jennings Rd PHONE: (704)838-6120 ALT. PHONE —

SITE DIRECTIONS: ① S Chiles Ford Rd, ② Nixon, ③ Schumaker, ④ Jennings Rd SAP CONTROLLED: ☐ YES ☒ NO

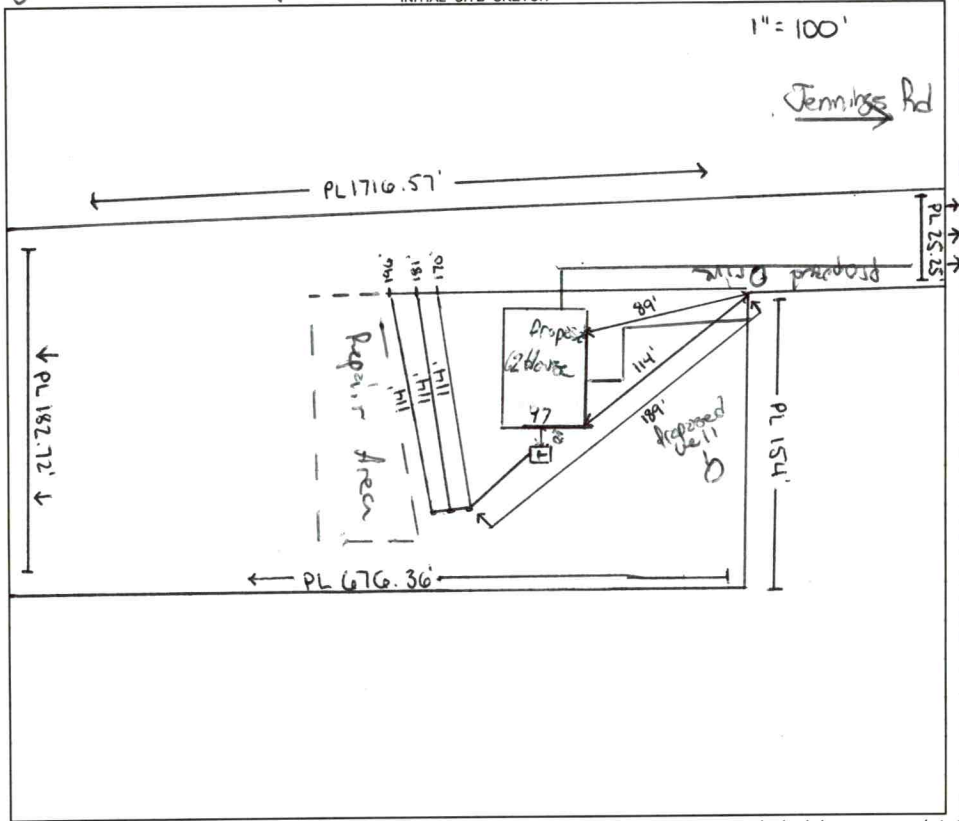
SUBDIVISION: Jessica Estrada SECTION: — LOT # 2 LOT AREA: 2.95 AC DESIGN FLOW: 360 gpd L.T.A.R.: 0.275

Septic Tank	1000	(gal)	STB	700	Date	10/17/23	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	Gravity 25% Reduction			
Pump Make			Model		Serial #		Repair System Description:	Gravity 25% Reduction			
# Nitrification Fields	1		# Lines	3	Linear Ft	327	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36 in		Trench Bottom Depth (Low side)	36 in MAX	Gravel Depth	N/A		☒ GRAVITY	☐ PRESSURE		

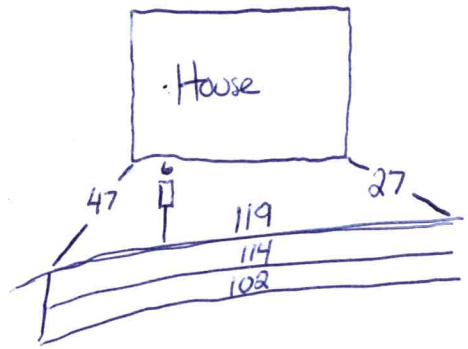
☒ Residence	No. Bedrooms	3	Water Supply		
☐ Business	No. Persons	6	☒ Private		
☐ Other	No. Employees		☐ Public		
☐ Slab	☒ Crawl Space		☐ Community		
☐ Basement w/plumbing			☐ Basement w/o plumbing		

Comments / Conditions: Install on contour with 6ft on centers. Lines can vary to avoid low spot. First line and second go around low spot. Do not drive, park, or construct 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.

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 Signature Date: Installed by: Andrew Daywalt

IMPROVEMENT PERMIT by: Matt Wilson Date: 2/2/23 OPERATION PERMIT by: Cary Hill Date: 12/15/23

AUTHORIZATION TO CONSTRUCT by: Matt Wilson Date: 2/2/23 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 #: 474766434
COUNTY: Iredell

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

OWNER: Jessica Estrada
ADDRESS: 138 Taurus Rd
PROPOSED FACILITY: SFR
LOCATION OF SITE: 515 Jennings Rd
APPLICATION DATE: 10/10/22
DATE EVALUATED:
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 2.55Ac
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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 7%	0-8	SCL/1	MS pp fr SE	-	46	Sap inclusions at 35	-	PS .3
		8-26	C / 11	SS sp fr SE					
		26-46	CL / 11	SS sp fr SE					
2	FS 8%	0-8	SCL/SBK	11 11 11 11	FB mod b with Sap inclus	46	Sap inclusions begin at 31	-	PS .275
		8-30	C/SBK	11 11 11 11					
		30-46	CL/SBK	11 11 11 11					
3	FS 6%	0-8	SCL/SBK	11 11 11 11	-	50	-	-	PS .3
		8-32	C/SBK	11 11 11 11					
		32-50	CL/SBK	11 11 11 11					
4	FS 6%	0-8	SCL/11	11 11 11 11	-	48	Sap inclusions at 40	-	PS .3
		8-33	C / 11	11 11 11 11					
		33-48	CL / 11	11 11 11 11					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	320	320
System Type(s)	25%	25%
Site LTAR	.275	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew Wilkinson
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.

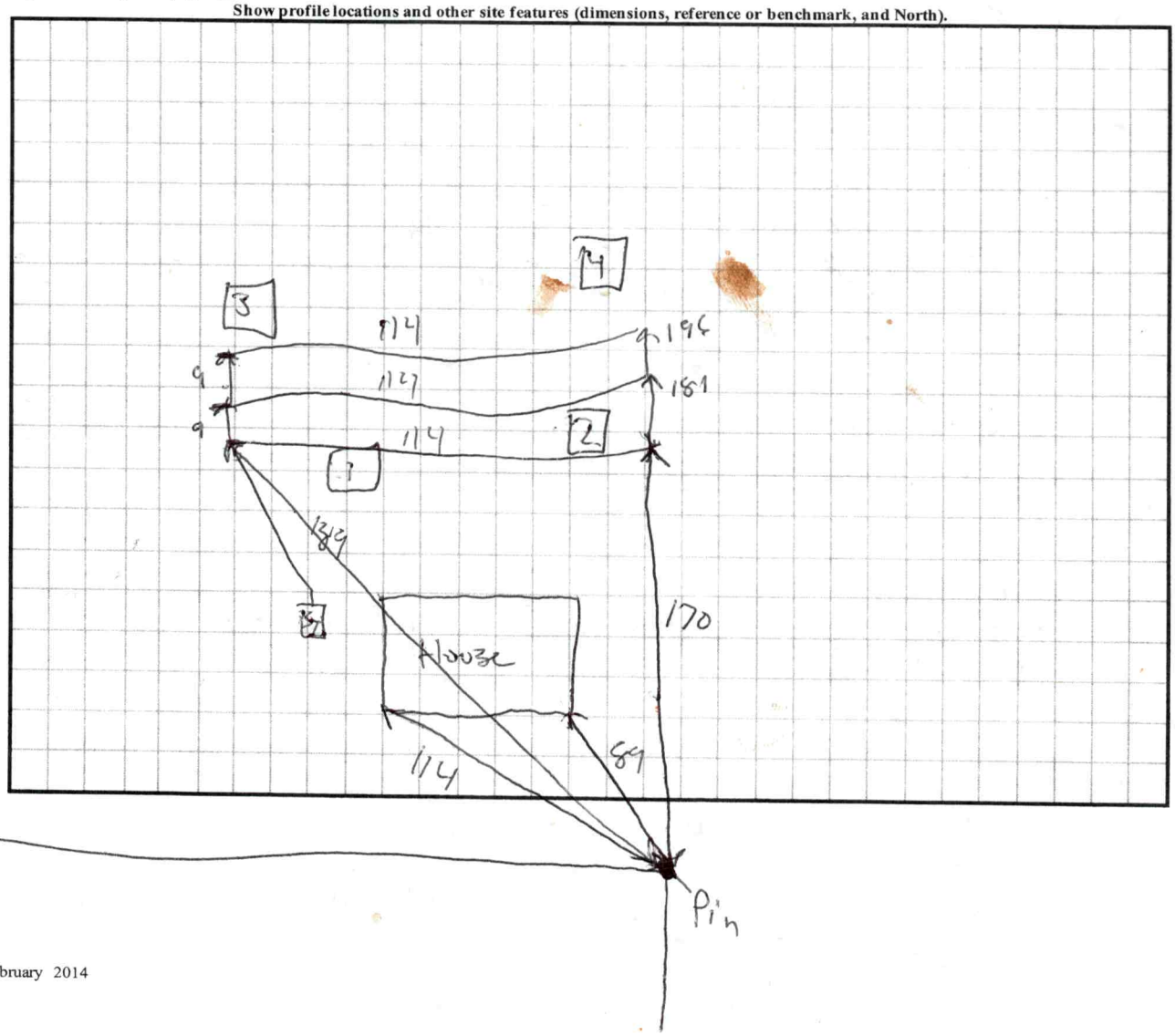
NOTES

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)

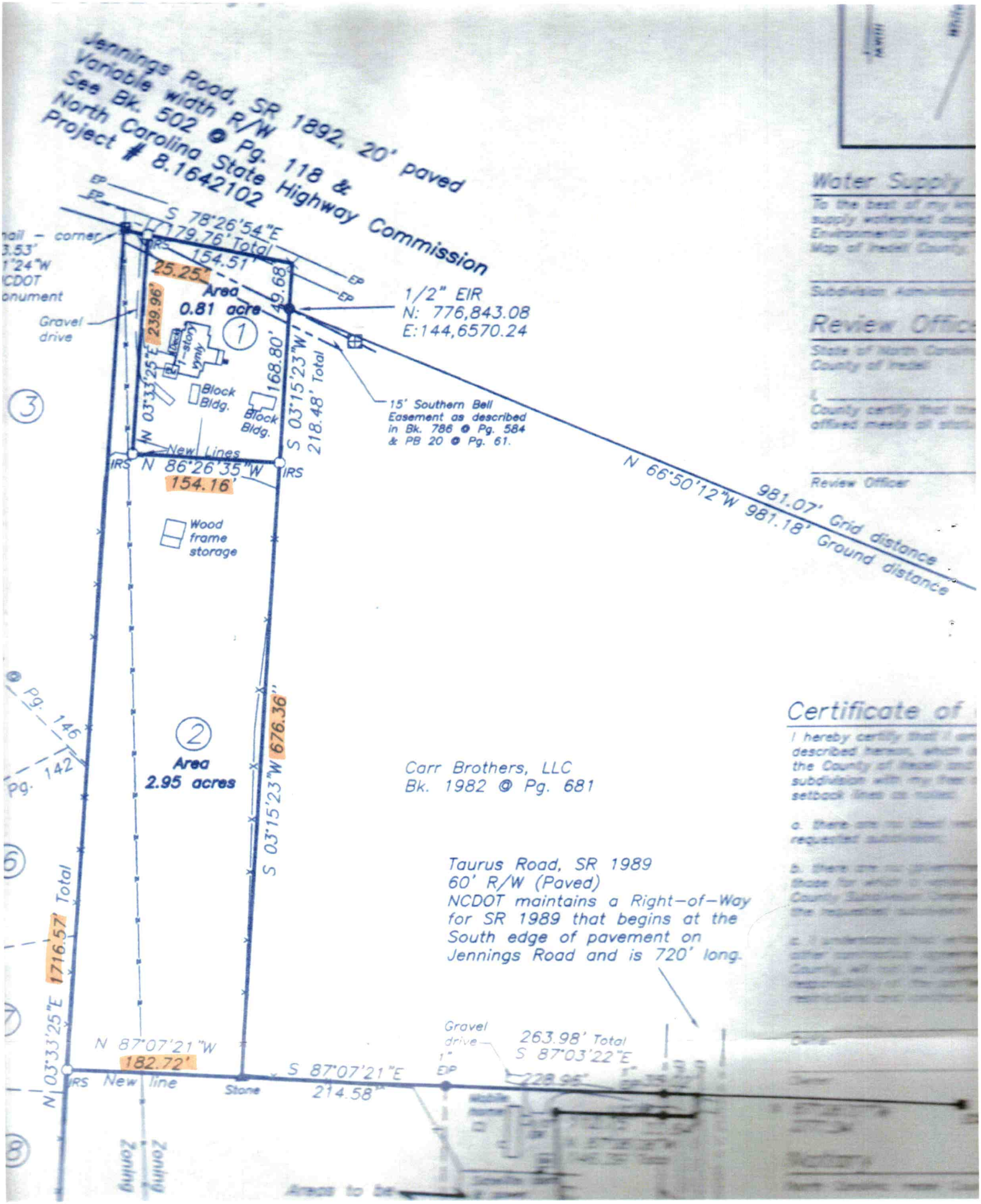
Evaluation of saprolite shall be by pits.

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

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



Updated February 2014


Jennings Road, SR 1892, 20' paved
Variable width R/W
See Bk. 502 @ Pg. 118 &
North Carolina State Highway Commission
Project # 8.1642102
S 78°26'54"E
179.76' Total
154.51'
25.25'
Area
0.81 acre
239.96'
49.68'
1/2" EIR
N: 776,843.08
E:144,6570.24
Gravel drive
1-story frame
Block Bldg.
Block Bldg.
168.80'
S 03°15'23"W
218.48' Total
15' Southern Bell Easement as described in Bk. 786 @ Pg. 584 & PB 20 @ Pg. 61.
N 66°50'12"W 981.07' Grid distance 981.18' Ground distance
New Lines
IRS
N 86°26'35"W
154.16'
IRS
Wood frame storage
Carr Brothers, LLC
Bk. 1982 @ Pg. 681
Area
2.95 acres
S 03°15'23"W 676.36'
1716.57' Total
N 03°33'25"E
N 87°07'21"W
182.72'
IRS
New line
Stone
S 87°07'21"E
214.58'
Gravel drive
1" EIP
263.98' Total
S 87°03'22"E
228.96'
Taurus Road, SR 1989
60' R/W (Paved)
NCDOT maintains a Right-of-Way for SR 1989 that begins at the South edge of pavement on Jennings Road and is 720' long.
Zoning
Zoning
Areas to be
Water Supply
Review Offic
Review Officer
Certificate of

Acknowledgement Of
Plans Submittal ONLY!

Matt Ochsner Date 2/2/23

Date

