ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 310700

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

PIN # 4637--61--5029

APPLICANT/OWNER: Sullivan Tierney Industries APPLICANT ADDRESS: 271 Milford Circle Mooresville NC 28117

SITE ADDRESS: 107 McNeil Lane, Mooresville NC 28117 PHONE: 312-498-2456 ALT. PHONE 504-388-1994

SITE DIRECTIONS: (W) Brawley School → (R) Oak Tree → (R) McNeil Ln → lot on (L) SAP CONTROLLED: ☐ YES ☒ NO

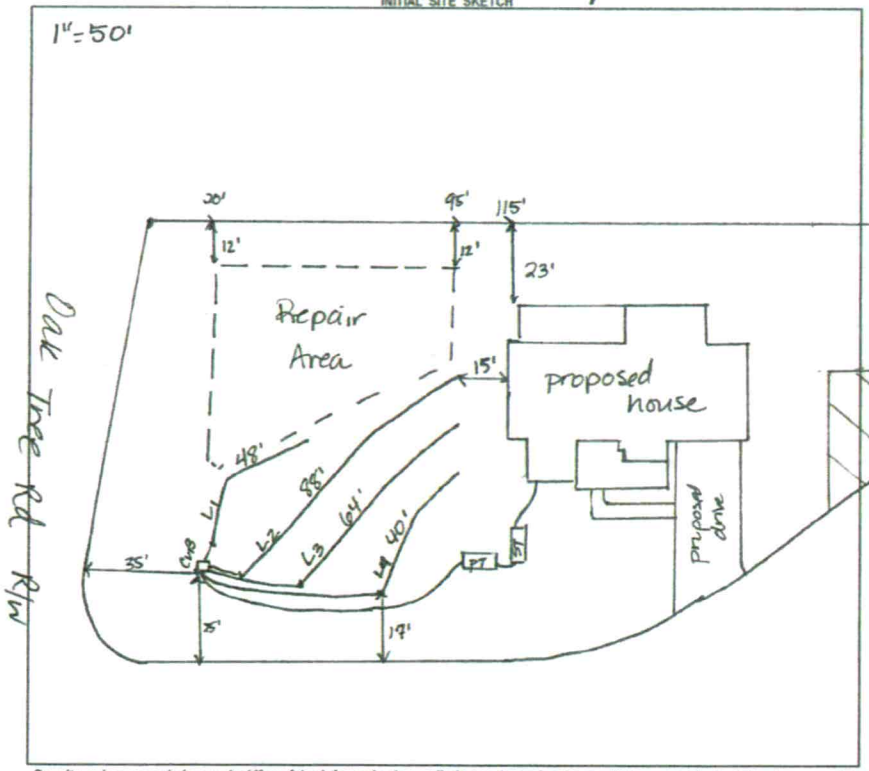
SUBDIVISION: The Estates at Oak Tree SECTION: — LOT # 1 LOT AREA: 0.69 ac DESIGN FLOW: 360 gpd L.T.A.R.: 0.25

Septic Tank 1000 (gal)	STB 1 Infiltrator	Date	☒ New System ☐ Repair ☐ Expansion System Type: I II III (IV) V VI		☒ Residence	No. Bedrooms 3	Water Supply
Pump Tank 1000 (gal)	PT Infiltrator	Date	System Description: HPPBPS-LP		☐ Business	No. Persons 6	☒ Private
Pump Make	Model	Serial #	Repair System Description: HPPBPS-LP		☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 4	Linear Ft 240'	Maintenance Agreement Required: ☒ YES ☐ NO		☒ Slab	☐ Crawl Space	☐ Community
Trench Width 36"	Trench Bottom Depth (from grade) 24" Max	Gravel Depth N/A	☐ GRAVITY ☒ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: If lot is cut to build slab septic area should NOT be disturbed. Do not pave, grade, park, drive, or bury utilities in drainfield. Install on contour & divert drainage from field.

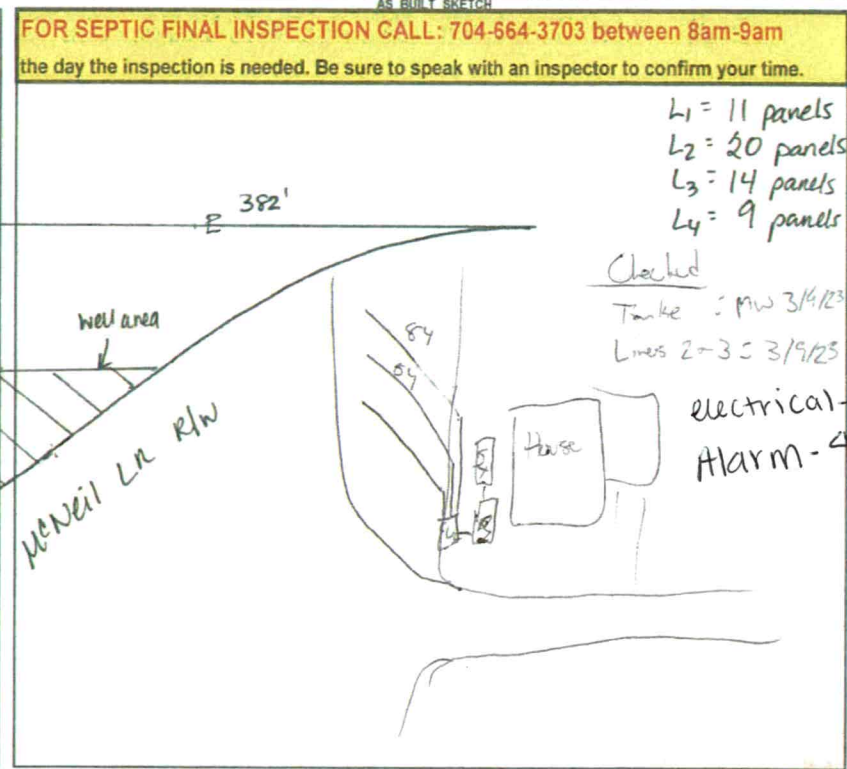
Use 2" supply, 2' pressure head. Use 5/32" holes.
Flow = 22.14 gpm Dose = 194.4 g
Run Time = 8.8 min Drawdown = 9.3"

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: BET Date: 1/27/2023 Installed by: Joe Thompson

IMPROVEMENT PERMIT by: D. Wieberg Date: 1/19/22 OPERATION PERMIT by: Sydney Holland Date: 4/14/23

AUTHORIZATION TO CONSTRUCT by: D. Wieberg Date: 1/21/22 Existing System Inspected by: Date:

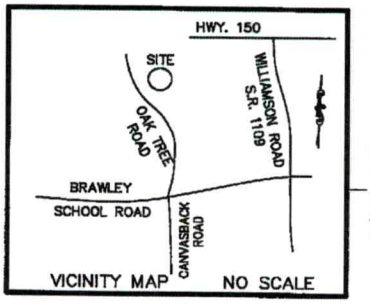
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DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2767, page 2166, and/or plat book 72, page 84, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 4, day of JAN., A.D. 20 22.

WILLIAM M. ALLEN, PLS

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



LEGEND
CP = COMPUTED POINT
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	20.00'	35.55'	N 50°52'16" E	31.05'
C2	125.00'	72.35'	N 16°37'42" W	71.35'
C3	175.00'	101.36'	S 16°37'03" E	99.95'

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.
5) DEED REFERENCE:

0' 30' 60' 100'
SCALE IN FEET

PLOT PLAN SURVEY

OF
107 MCNEIL LANE
LOT 1 OAK TREE RIDGE
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 60'
ACQUIRED BY: MCNEIL LANE LLC

FIELD BOOK: –
FILE: OAK TREE RIDGE 1.DWG
DC FILE:
TAX MAP NO: 80076359

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

Sheet 1 of 1
PROPERTY ID #: 46516529
COUNTY: Iredell

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

Lot 1

OWNER: Sullivan
ADDRESS: 221 McNeil Rd.
PROPOSED FACILITY: 4BR Home PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 107 McNeil Rd.
APPLICATION DATE 9/22
DATE EVALUATED: 9/22
PROPERTY SIZE: .69Ac
PROPERTY RECORDED: Yes

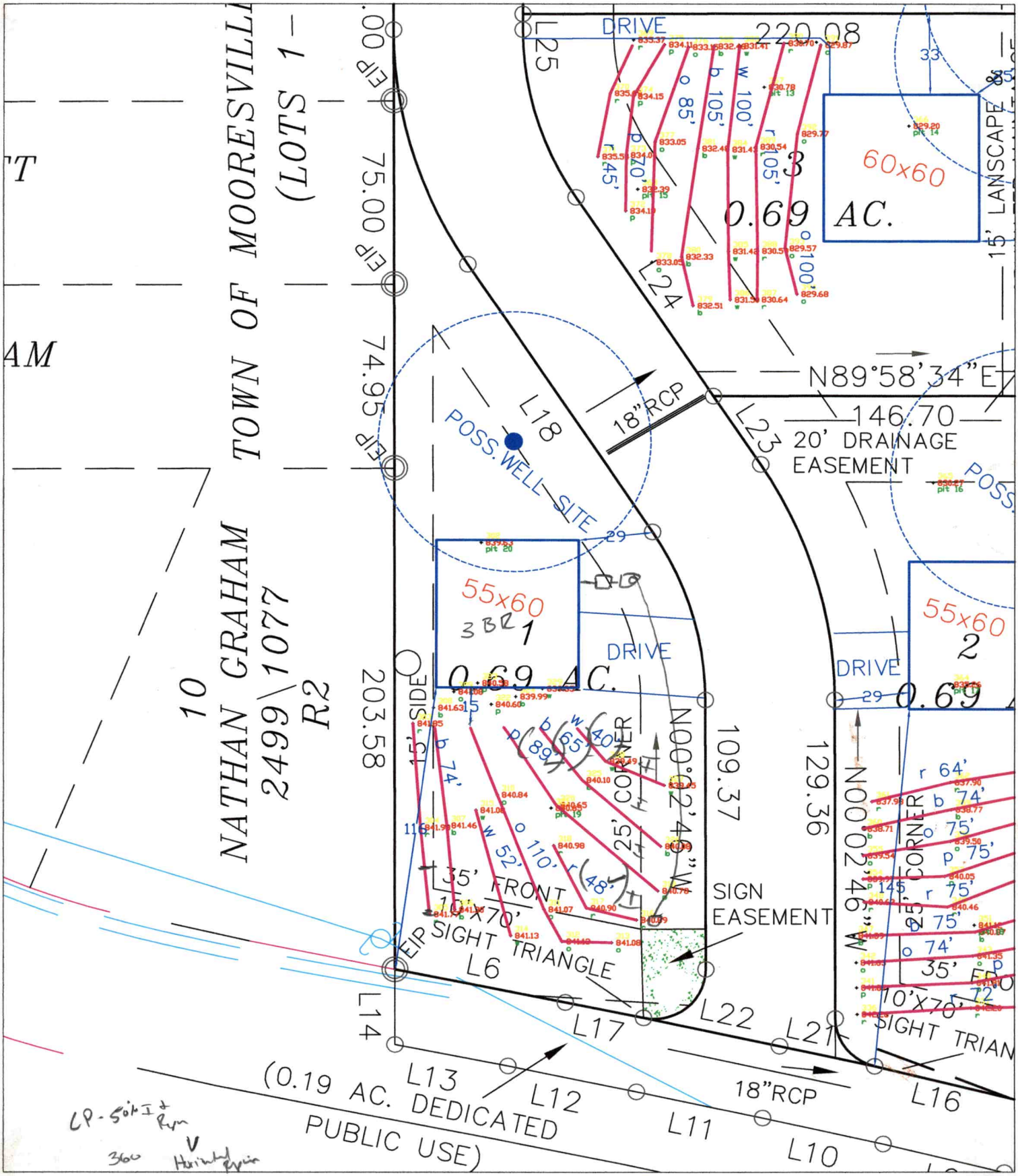
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

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	Side	0-7	SCL – Some	Compaction	2.5YR4/6	60	—	Mica/ Lith Inclus	PS .30
		7-26	C SBK	SP FR					
		26-60	CL WSBK	SSSpFR					
2	Ridge	0-8	SCL –	Compaction - BR	2-5YR4/6	60	—		PS .30
		8-25	C SBK	SP FR					
		25-60	CL WSBK	SSSpFR					
3	Ridge	0-10	SCL		2.5YR4/6 Matrix	80	—	10YR6/3 10YR6/4 R 24 10YR 6/2 C 36Inch	PS .25
		10-30	C	1?					
		30-50	CL						
4	Ridge	0-9	SCL			57	—	Some 10YR4/4 Brain Mottles.	PS .275
		9-32	C ABK	RS					
		32-57	CL WSBK						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240	240
System Type(s)	IV 50' 1-	IV 50"
Site LTAR	.25	.25

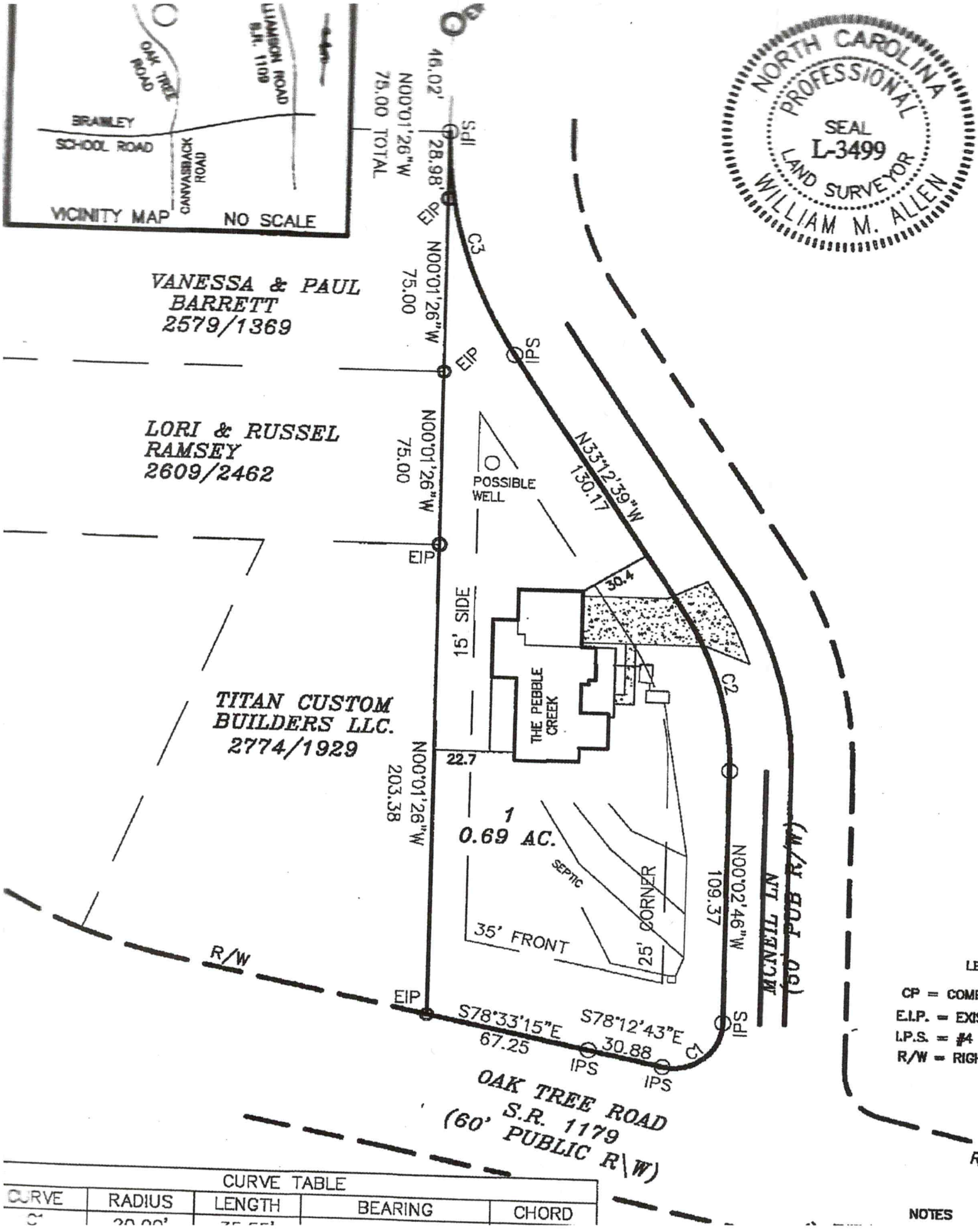
OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: BWells
OTHER(S) PRESENT: Permayne

COMMENTS:



The Estates at Oak Tree Ridge Lot 1 Septic Site Plan 9-7-20

Base site plan from DAS. DAS survey septic line locations. Refer to flags in field. (1"=50')
Septic system and well must be approved and permitted by ICHD.



CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C	30.00'	35.55'		