BLDR-2024-64066

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

PERMIT : OSWP 2024-601700

PIN # 4719 -- 88 - 1867

APPLICANT/OWNER: Lee Langley | APPLICANT ADDRESS: 125 Karlstad Ln Mooresville NC 28115

SITE ADDRESS: 185 Vance Farm Dr Statesville NC 28625 | PHONE: 704-402-6121 | ALT. PHONE —

SITE DIRECTIONS: Hwy 115 N → (L) Bowles Farm Rd → (L) Vance Farm DR | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Seven Oaks at Cook Farm | SECTION: 2 | LOT # 11 & 12 | LOT AREA: 2.3 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.275 | L.T.A.R (Repair): 0.25

Septic Tank 1000 (gal) STB 1012 Date —
Pump Tank — (gal) PT — Date —
Pump Make — Model — Serial # —
Nitrification Fields 1 # Lines 4 Linear Ft 328
Trench Width 36 *Max. Trench Depth(Initial) 30 *Max. Trench Depth(Repair) 32 Gravel Depth —
* Measured on the downhill side of the trench

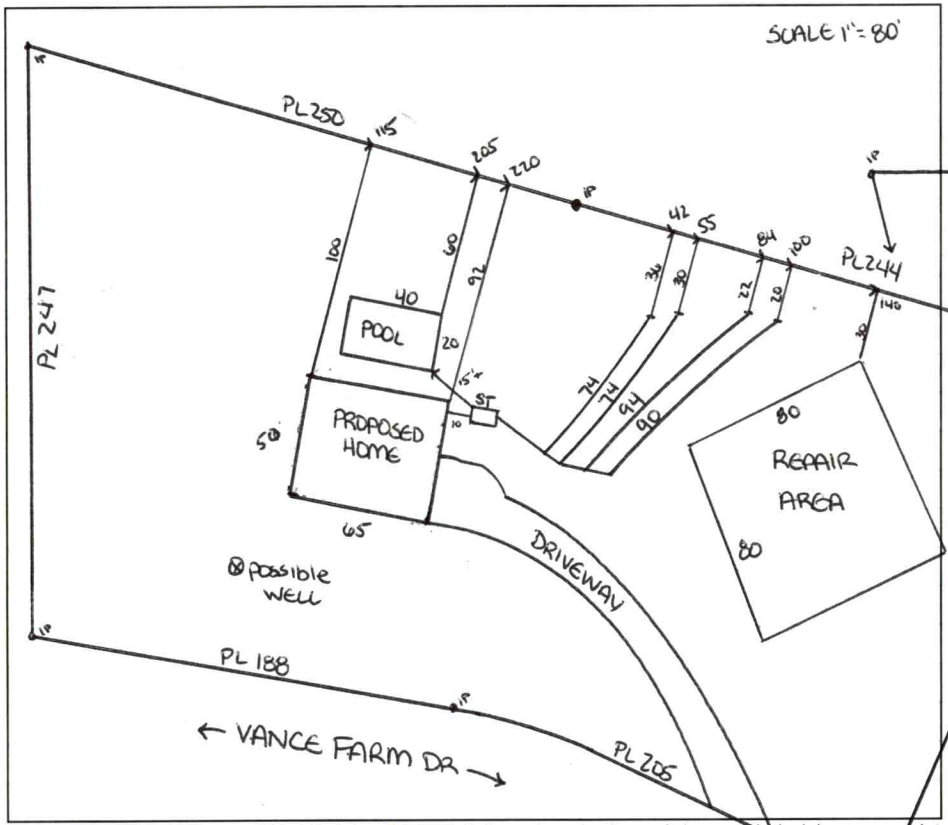
☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: Gravity 25% Reduction
Repair System Description: Gravity 25% Reduction
Maintenance Agreement Required: ☐ YES ☒ NO
☒ GRAVITY ☐ PRESSURE
Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40
Usable Depth to LC (Initial): 48

☒ Residence No. Bedrooms 3
☐ Business No. Persons 6
☐ Other No. Employees —
☐ Slab ☒ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing
Usable Depth to LC (Repair): 48 *Limiting Condition*

Water Supply
☒ Private ☐ Public ☐ Community

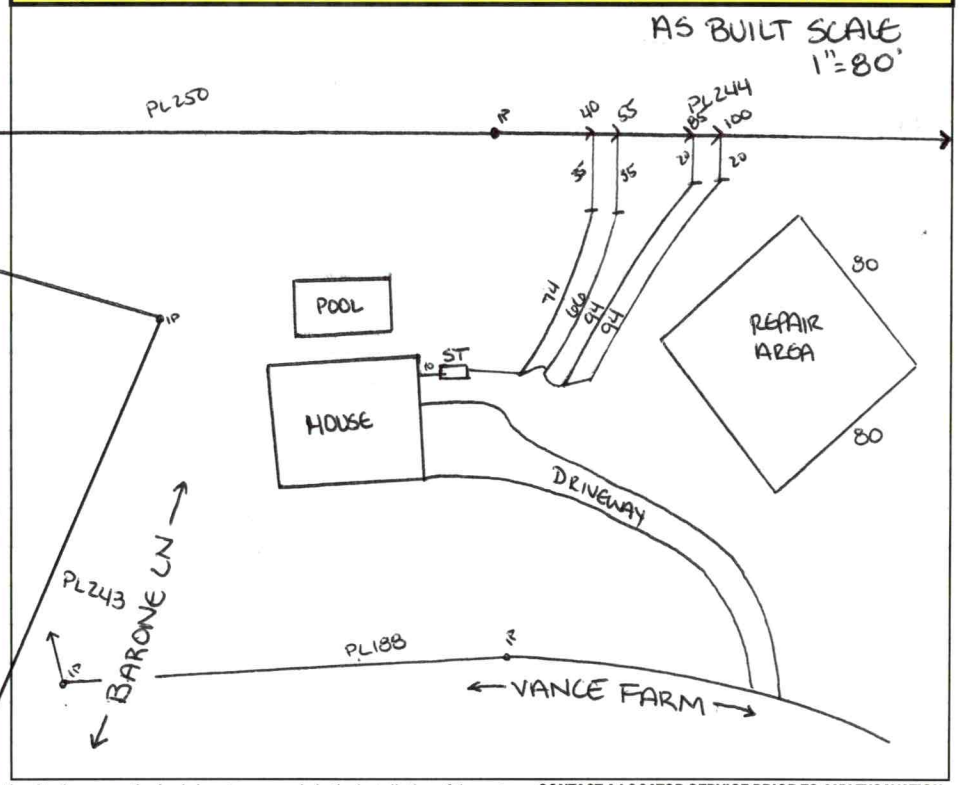
Comments / Conditions: INSTALL ON CONTOUR 9' ON CENTER. UTILIZE SERIAL DISTRIBUTION. DO NOT DISTURB SEPTIC AREA.

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 Date: — Installed by: JW CONSTRUCTION

IMPROVEMENT PERMIT by: Sarah Williams Date: 10/21/2024 OPERATION PERMIT by: Sarah Williams Date: 4/23/25

AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 10/21/2024 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? _____	

PERMIT SNAPSHOT REPORT OSWP-2024-61700 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	09/12/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Williams, Sarah	**Approval Expire Date:**	
Description:	Intermediate Redraw				

Parcel: 4719883905.000 Main	**Address:** 185 Vance Farm Dr Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent
Lee Langley
125 Karlstad Lane
Mooresville, NC 28115
Mobile: (704) 402-6121

Property Owner
LEE LANGLEY
125 KARLSTAD LANE
MOORESVILLE, NC 28115

HAS POOL

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Intermediate Re-Layout	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	62 x 48
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Improvement Permit with Site Plan
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Lee_Langley_9/12/2024.jpg	09/12/2024 11:17	Langley, Lee		Uploaded via CSS
owner_v1.pdf	09/12/2024 14:57	Langley, Lee	Available Online	
siteplan2_v1.pdf	09/12/2024 14:57	Langley, Lee	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-254379	Requested	OSWP Septic/Well Preliminary Site Visit	10/07/2024	10/08/2024 0:00	10/08/2024 0:00		

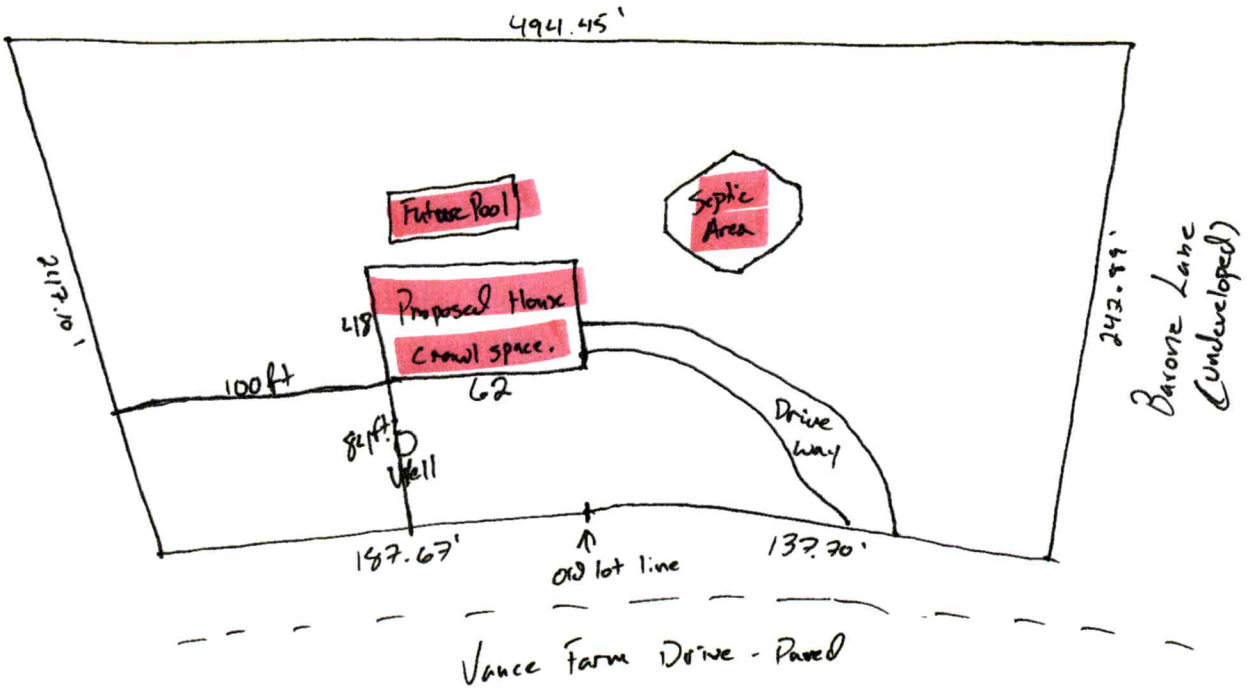
Inspectors: Freeman, Brady (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00036719	Intermediate Re-layout	$320.00	$320.00
	Total for Invoice INV-00036719	$320.00	$320.00
	Grand Total for Permit	**$320.00**	**$320.00**

PERMIT SNAPSHOT REPORT (OSWP-2024-61700)

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		09/12/2024 14:57	09/12/2024 14:57
Confirm application complete v.1	Generic Action		09/12/2024 14:57
~~**Zoning Review v.1**~~			09/12/2024 14:55
~~Floodplain Admin Overview v.1~~	Task		09/12/2024 14:55
~~Iredell County Zoning Approval v.1~~	Task		09/12/2024 14:55
~~Issue Invoice v.1~~	Generic Action		09/12/2024 14:55
~~Fees Paid v.1~~	Generic Action		09/12/2024 14:55
Fees v.1		09/12/2024 14:57	10/07/2024 11:48
Issue Invoice v.1	Generic Action		09/12/2024 14:57
Fees Paid v.1	Generic Action		10/07/2024 11:48
Lot Readiness Verification v.1		10/07/2024 16:05	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/07/2024 16:05	10/07/2024 16:05
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		


494.45'
Future Pool
Septic Area
Proposed House
Crawl space.
418
62
100ft
8ft
Well
Drive way
212.10'
242.99'
Barone Lane (Undeveloped)
187.67'
old lot line
137.70'
Vance Farm Drive - Paved

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

Sheet 1 of)
PROPERTY ID #:
COUNTY: IREDELL

4719-88-3905

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

OWNER: Lee Langley
ADDRESS: 125 Karlstad Ln Mooresville NC 28115
PROPOSED FACILITY: SFR
LOCATION OF SITE: 185 Vance Farm Dr Statesville NC 28625
APPLICATION DATE 7/17/23
DATE EVALUATED: 8/9/23
PROPERTY SIZE: 1.162 AC
PROPERTY RECORDED: Y
PROPOSED DESIGN FLOW (.1949): 360
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 5%	0-11	SCL DIST FILL	SS SP SE FR	10YR 5/8 @ 38"	(49)	Small fragments throughout		PS 0.25
		11-37	C WSBK	S P SE FR	Quartz few 28"+ few manganese in C + CL 11"+ few SAP incl in CL 37"+ YB in C 11"+				
		37-49	CL WSBK	SS SP SE FR					
2	LS 4%	0-11	SCL DIST FILL	SS SP SE FR		(55)		—	PS 0.275
		11-31	C ABK	S P SE FR	few manganese throughout Quartz fragments few in CL 31"+ MANY SAP in CL 31"+				
		31-55	CL WABK	SS SP SE FR					
3	LS 15%	0-8	CL MIX FILL DIST	SS SP SE FR		(48)		—	PS 0.275
		8-29	C S ABK	S P SE FR					
		29-48	CL ABK	SS SP SE FR	some Rock controlled structures in CL many SAP / weathered rock mix N/C in CL				
4	Shoulder 17%	0-10	CL MIX FILL DIST	SS SP SE FR		(55)		—	PS 0.275
		10-27	C ABK	S P SE FR	some YB in C to 22" (organic stain) MANY SAP incl in CL 27"+				
		27-55	CL WABK	SS SP SE FR					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS 0.25	PS 0.275
System Type(s)	G 25%	PM 25%
Site LTAR	0.25	0.275

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS 0.25
EVALUATED BY: S. Williams
OTHER(S) PRESENT: —

COMMENTS: * Unable to lay out system due to brush * ON HOLD UNTIL CLEARED

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.

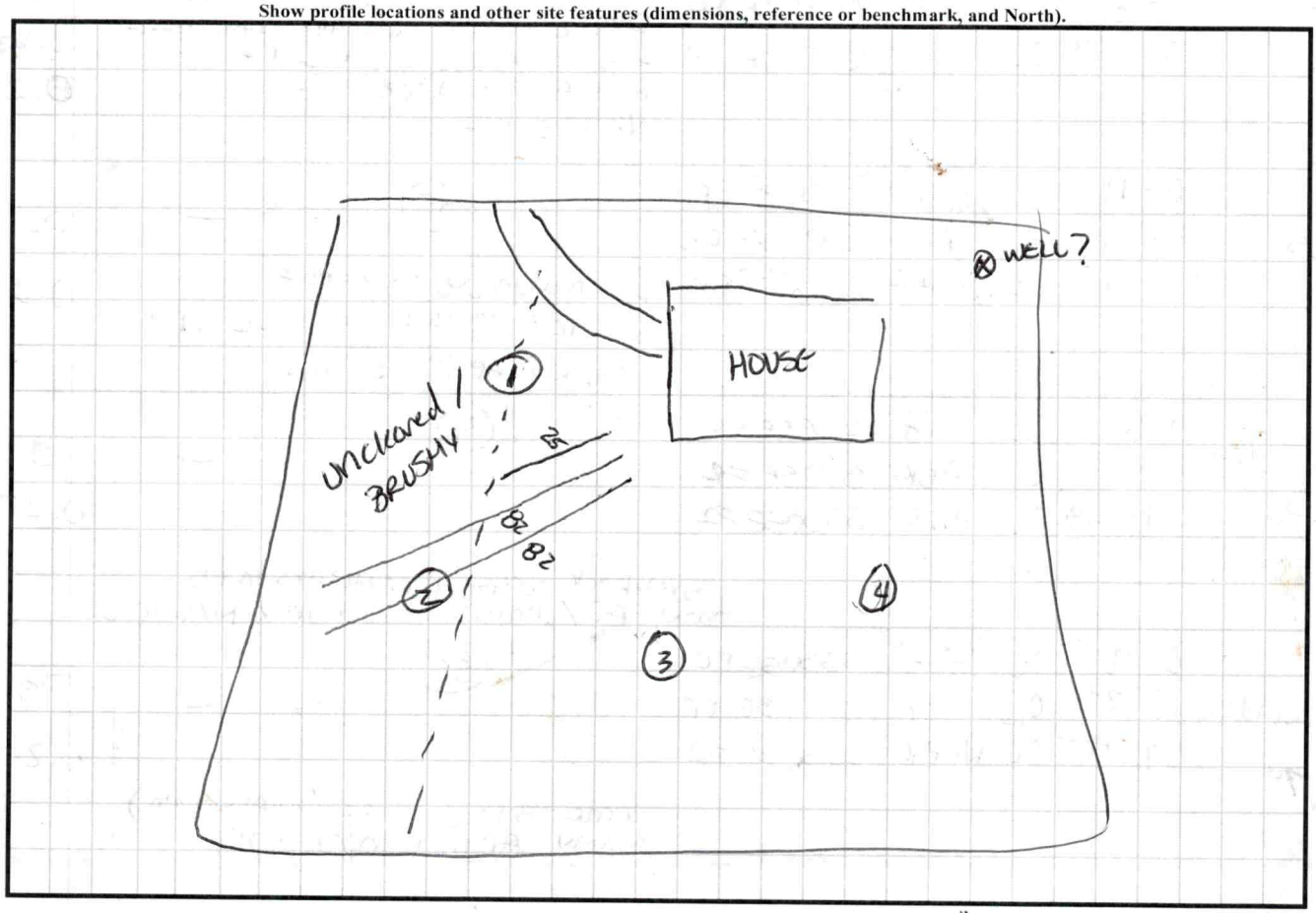
NOTES

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/ft²

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



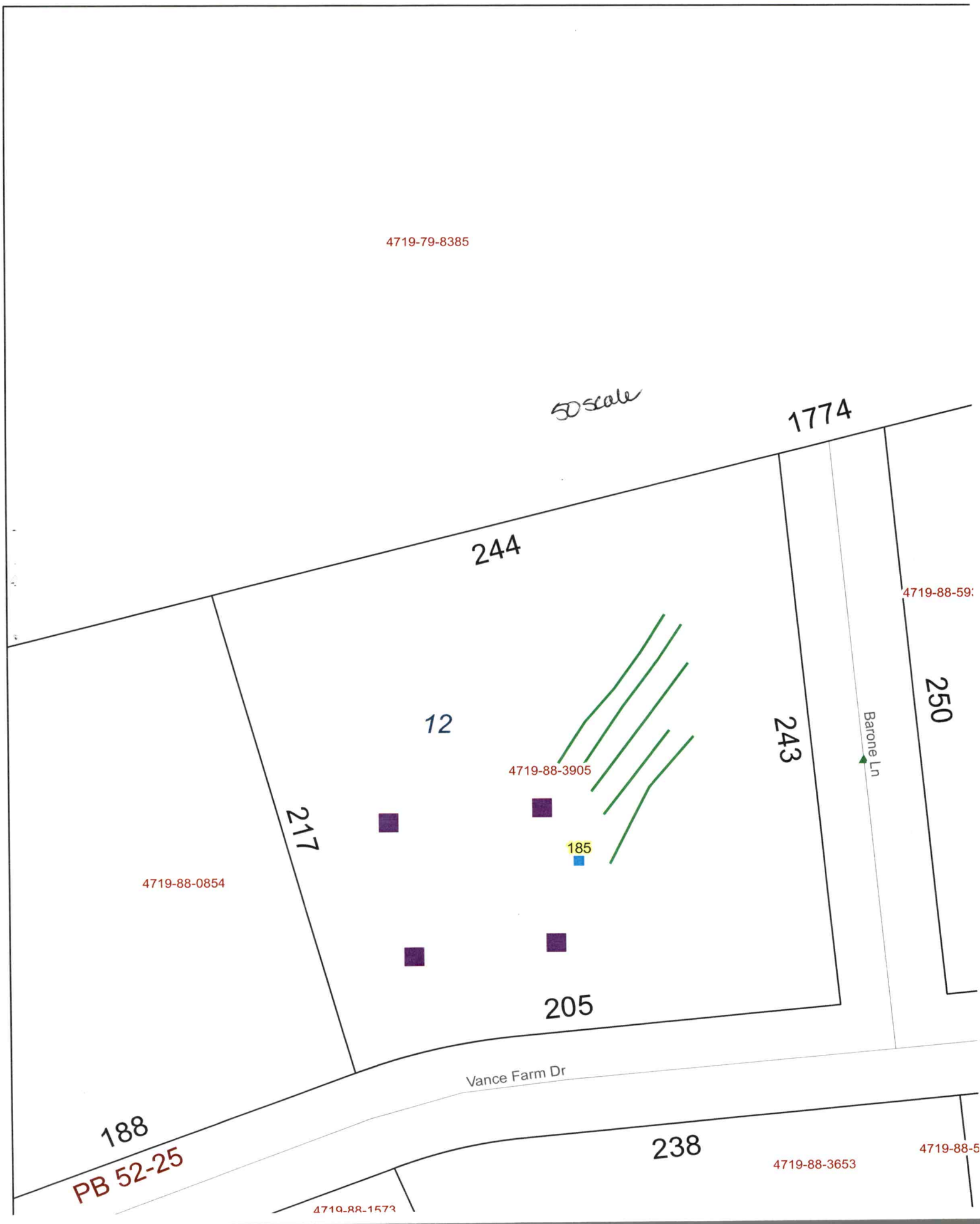
34" LS TB

18" Tank outlet

12

22" TOP OF CHAMBER

4" FALL


4719-79-8385
50 scale
1774
244
4719-88-59
12
4719-88-3905
243
Barone Ln
250
217
185
4719-88-0854
205
Vance Farm Dr
188
PB 52-25
238
4719-88-3653
4719-88-5
4719-88-1573