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 2024-64154

PIN # 4786 -- 12 -- 5942

APPLICANT/OWNER: Jay Camery

APPLICANT ADDRESS: 1962 Kathy Ct, Winchester VA 22601

SITE ADDRESS: 117 Blueberry Hill Dr, Statesville, NC 28625

PHONE: 540-678-8777

ALT. PHONE:

SITE DIRECTIONS: NE 64 -> L Fifth Creek -> R Garris -> R Blueberry Hill

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: BLueberry Hill Estates

SECTION: 1

LOT # 7

LOT AREA: 2.32

DESIGN FLOW: 360 gpd

L.T.A.R.(Initial): 0.25

L.T.A.R (Repair): 0.275

Septic Tank 1000 (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 4 Linear Ft: 364

Trench Width 36 *Max. Trench Depth(Initial) 30 *Max. Trench Depth(Repair) 22 Gravel Depth n/a

* Measured on the downhill side of the trench

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☑ New System ☐ Repair ☐ Expansion System Type: I ☑ II III IV V VI

System Description: 25% Reduction - IIb

Repair System Description: 25% Reduction - PM - IIIb

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

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: Do not pave, grade, drive, park, or bury utilties in drainfield.

May alter septic tank location as long as setbacks are met.

Must stay 15' from basement cut,

Any retaining wall with foundation drainage over 2' deep must be 10' from system

INITIAL SITE SKETCH

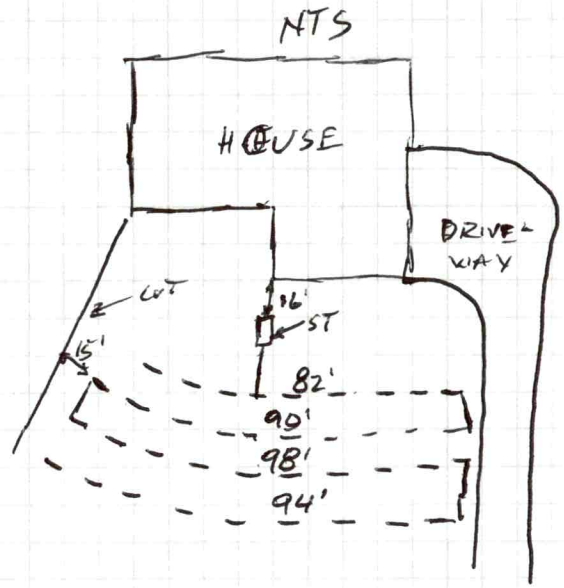
See attached site plan by ICHD

KEEP WATER LINE 10' FROM ALL PARTS OF SEPTIC

FRONT PROPERTY LINE MUST BE MARKED AT TIME OF INSTALLATION

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:

IMPROVEMENT PERMIT by: D. Wieberg Date: 11/14/24

AUTHORIZATION TO CONSTRUCT by: D. Wieberg Date: 11/14/24

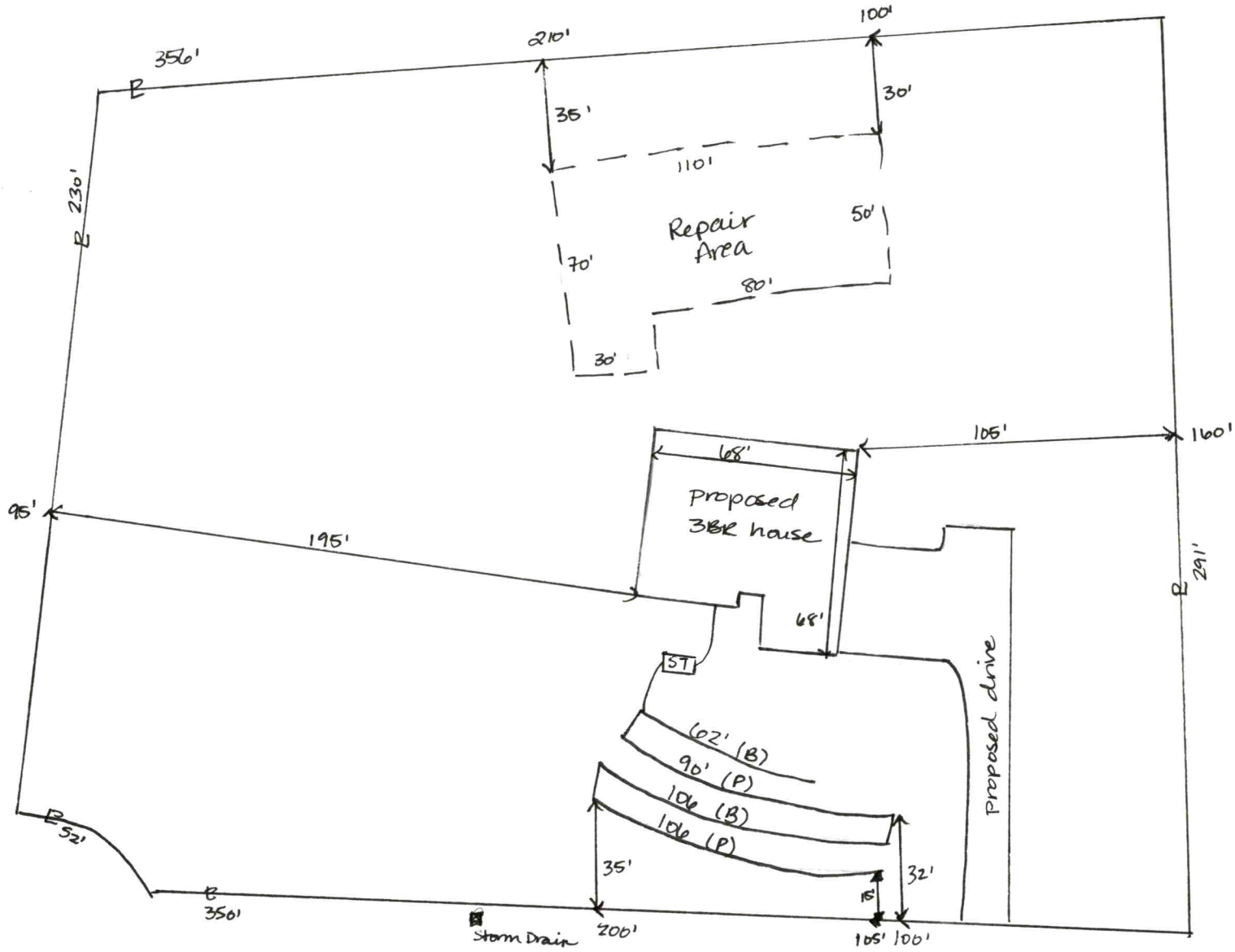
Installed by: SEPTIC OPS

OPERATION PERMIT by: Bryant C. White Date: 5-1-2025

Existing System Inspected by: Date:

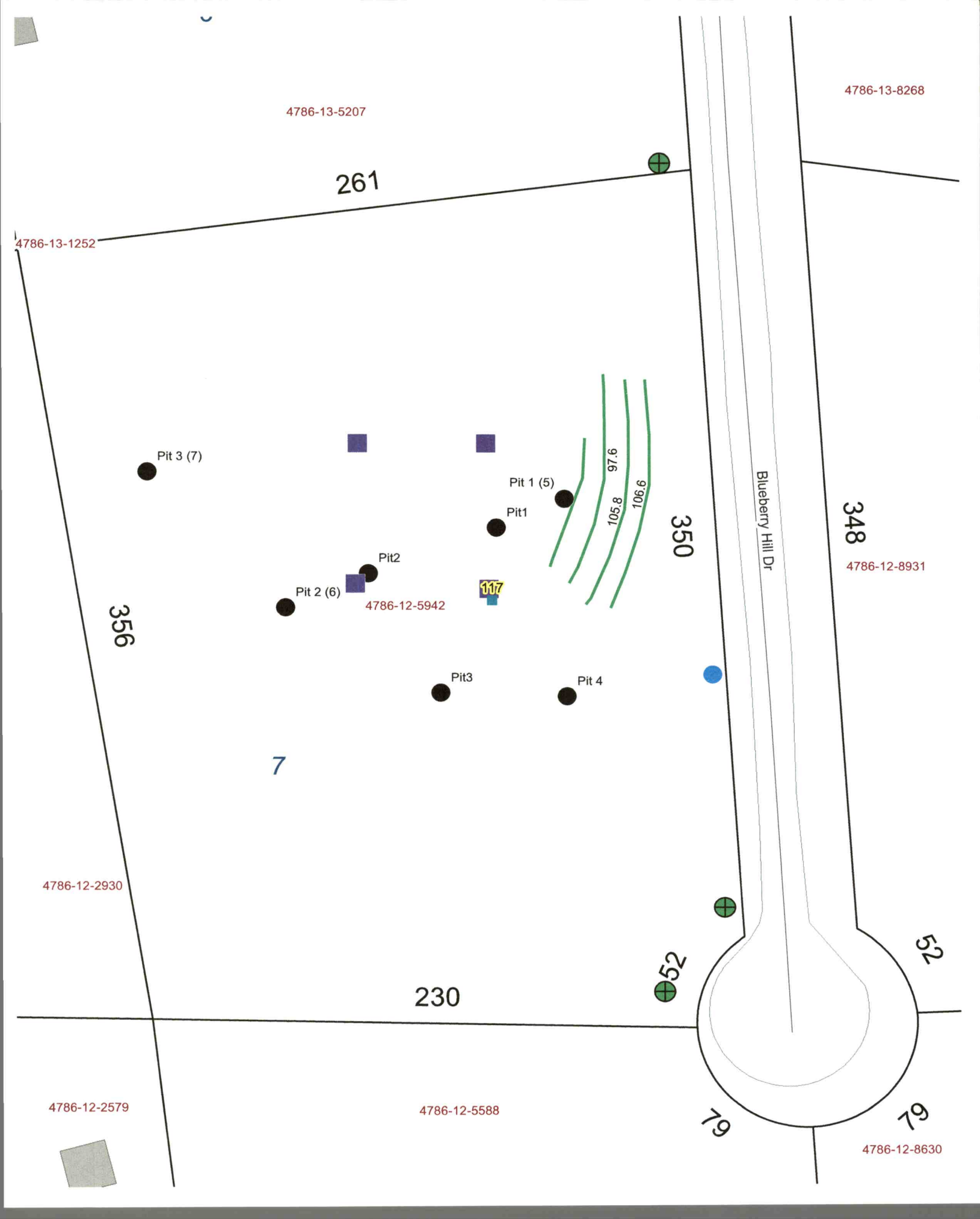
117 Blueberry Hill

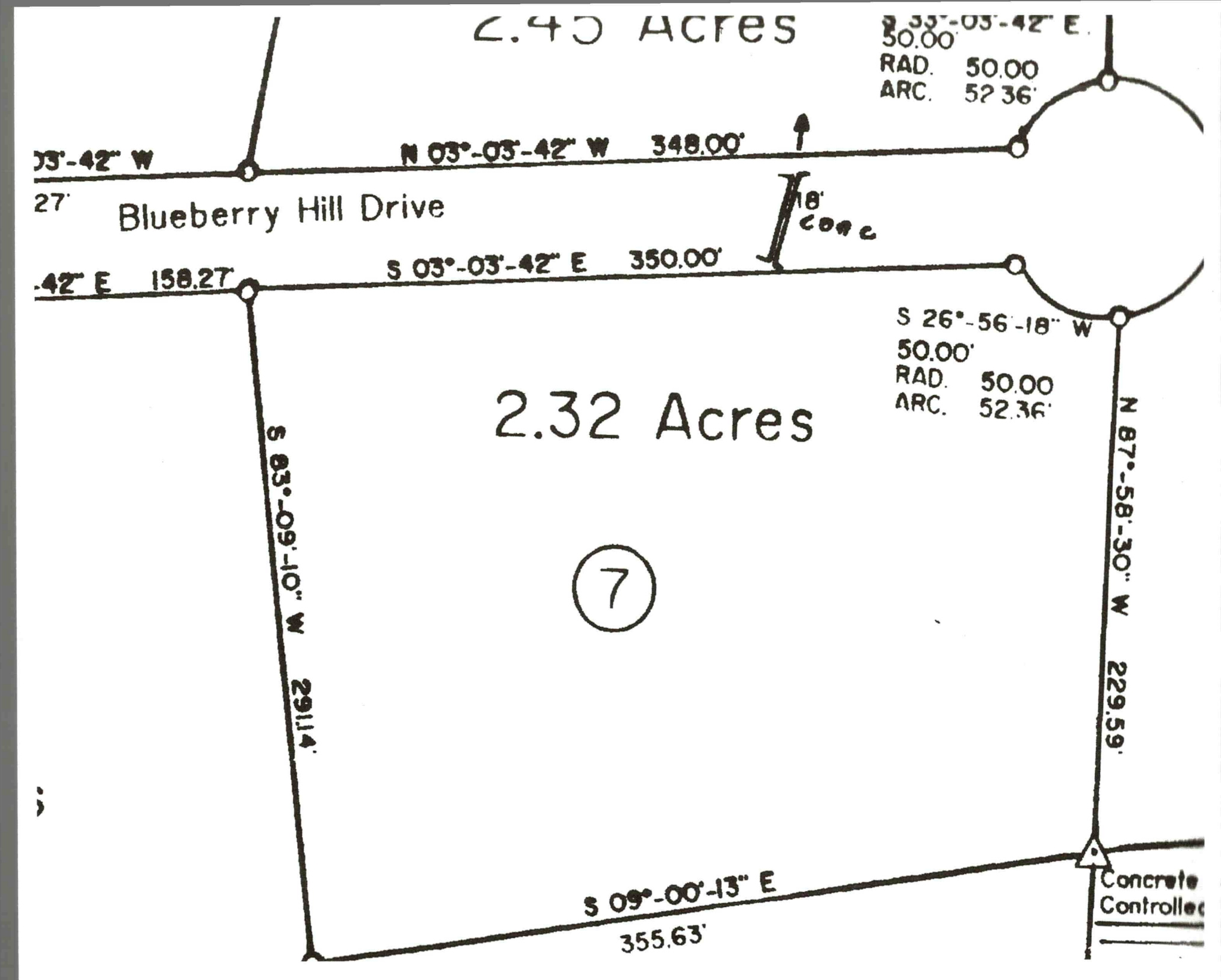
1" = 50'



ST= Septic tank
B= blue
P= pink

Blueberry Hill Dr R/W


4786-13-5207
4786-13-8268
261
4786-13-1252
Pit 3 (7)
Pit 1 (5)
Pit1
97.6
105.8
106.6
350
348
4786-12-8931
Blueberry Hill Dr
Pit2
Pit 2 (6)
117
4786-12-5942
356
Pit3
Pit 4
7
4786-12-2930
52
52
230
79
79
4786-12-2579
4786-12-5588
4786-12-8630


2.45 Acres
S 33°-03'-42" E
50.00'
RAD. 50.00
ARC. 52.36'
03'-42" W
N 03°-03'-42" W 348.00'
27'
Blueberry Hill Drive
18' Conc
.42" E 158.27'
S 03°-03'-42" E 350.00'
S 26°-56'-18" W
50.00'
RAD. 50.00
ARC. 52.36'
2.32 Acres
7
S 83°-09'-10" W 291.14'
N 87°-58'-30" W 229.59'
S 09°-00'-13" E
355.63'
Concrete
Controlle

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

PROPERTY ID #: 4786-12-5942
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Jay Camery DATE EVALUATED: 11/13/24
ADDRESS: 1962 Kathy Ct Winchester VA
PROPOSED FACILITY: 3BR SFD PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 2.32
LOCATION OF SITE: 117 Blueberry Rd 11 PROPERTY RECORDED: Y
WATER SUPPLY: ☒ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: 50'
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)	LS 4%	0-10	SCL-WSBK	SSSP-FR-SKP	—	50"	N/A	N/A	0.3	2"
		10-35	C-SBK	SP-FR SKP						
		35-50	CL SBK	SSSP-FR SKP						
2 (16)	LS 4%	0-11	SCL SBK	SSSP-FR SKP	very few YB minor litho	48	N/A	NA	0.275	2"
		11-32	C SBK	SP-FR-SKP						
		32-48	CL-SBK	SSSP-FR SKP						
3 (17)	4%	0-11	SCL-SBK		YB@BC transition	48	N/A	N/A	0.255	2"
		11-34	C-SBK	SP-FR-SKP						
		34-48	CL-SBK	SSSP-FR SKP						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	360	334
System Type(s)	25% Bed	25% PM
Site LTAR	0.25	0.275
Maximum Trench Depth	30	22LS

SITE CLASSIFICATION (.0509): _____
EVALUATED BY: D Meberg
OTHER(S) PRESENT: D. Doyle

Comments: _____

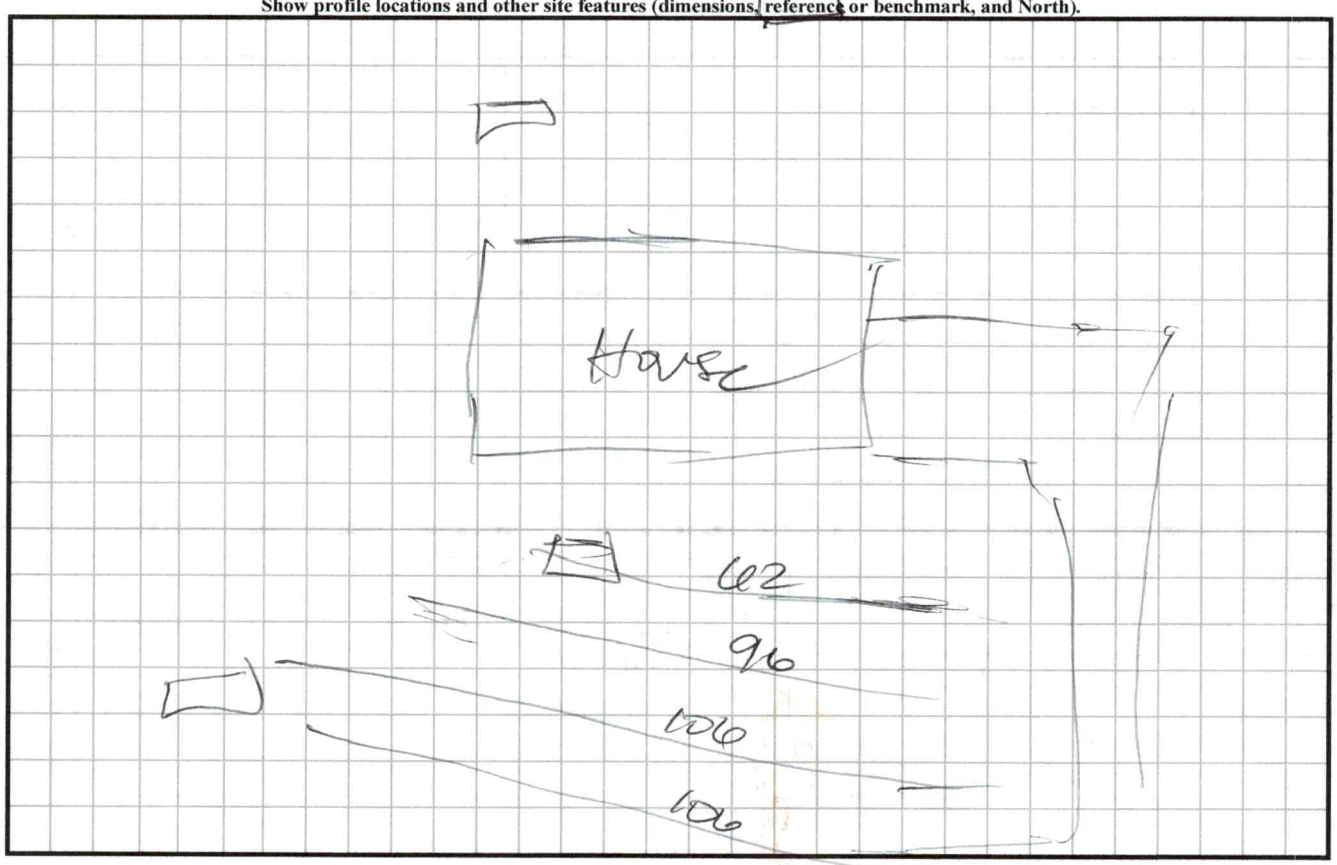
LEGEND

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).



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

Direct Transfer

Sheet 1 of 1
PROPERTY ID #: 4786/2542
COUNTY: Iredell

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

OWNER: David Audra Hatch
ADDRESS: 516 Center St Groveland NA
PROPOSED FACILITY: 2BR
PROPOSED DESIGN FLOW (.1949): 240
LOCATION OF SITE: 117 Blueberry Hill Statesville
APPLICATION DATE: 6
DATE EVALUATED: 1/30/23
PROPERTY SIZE: 2.32
PROPERTY RECORDED:

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	10	0-8	CL-WSBK	SSSP-FR-SE/P	Sew YB 20-28 minor H2O seep @ BC transition	48"	N/A	N/A	PS 0.275/0.25
		8-28	C-ABK/PL						
		28-48	CL-SBK						
2	10	0-7	SCL/CL-SBK	SSSP-FR SE/P	Minor H2O Bleed @ 16-18" minor Sap incl no YB	54"	N/A	N/A	PS 0.275/0.25
		7-32	C-SBK/ABK	SP-FR SE/P					
		32-54	CL-SBK	SSSP-FR SE					
3		0-8	SCL-WSBK	SSSP-FR SE/P	YB-minor 8-36 H2O bleed along B/C & root channels	52" minor	N/A	N/A	PS TBA0 0.25
		8-36	C-ABK/PL	SP-FR-SE/P					
		36-52	CL-WSBK	SSSP-FR SE/P					
4		0-10	SCL-WSBK	SSSP-FR-SE/P	water bleed along root channels & BC transition, minor YB 10-35	54"	N/A	N/A	PS 0.25
		10-35	C-ABK/PL	SP-FR SE/P					
		35-54	CL-SBK	SSSP-FR SE/P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240	
System Type(s)	25%	50%
Site LTAR	0.25	

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: D Weberg
OTHER(S) PRESENT: B. White

COMMENTS: Heavy rain previous day. Minor Mn upper portion of pits <20"

Updated February 2014

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.

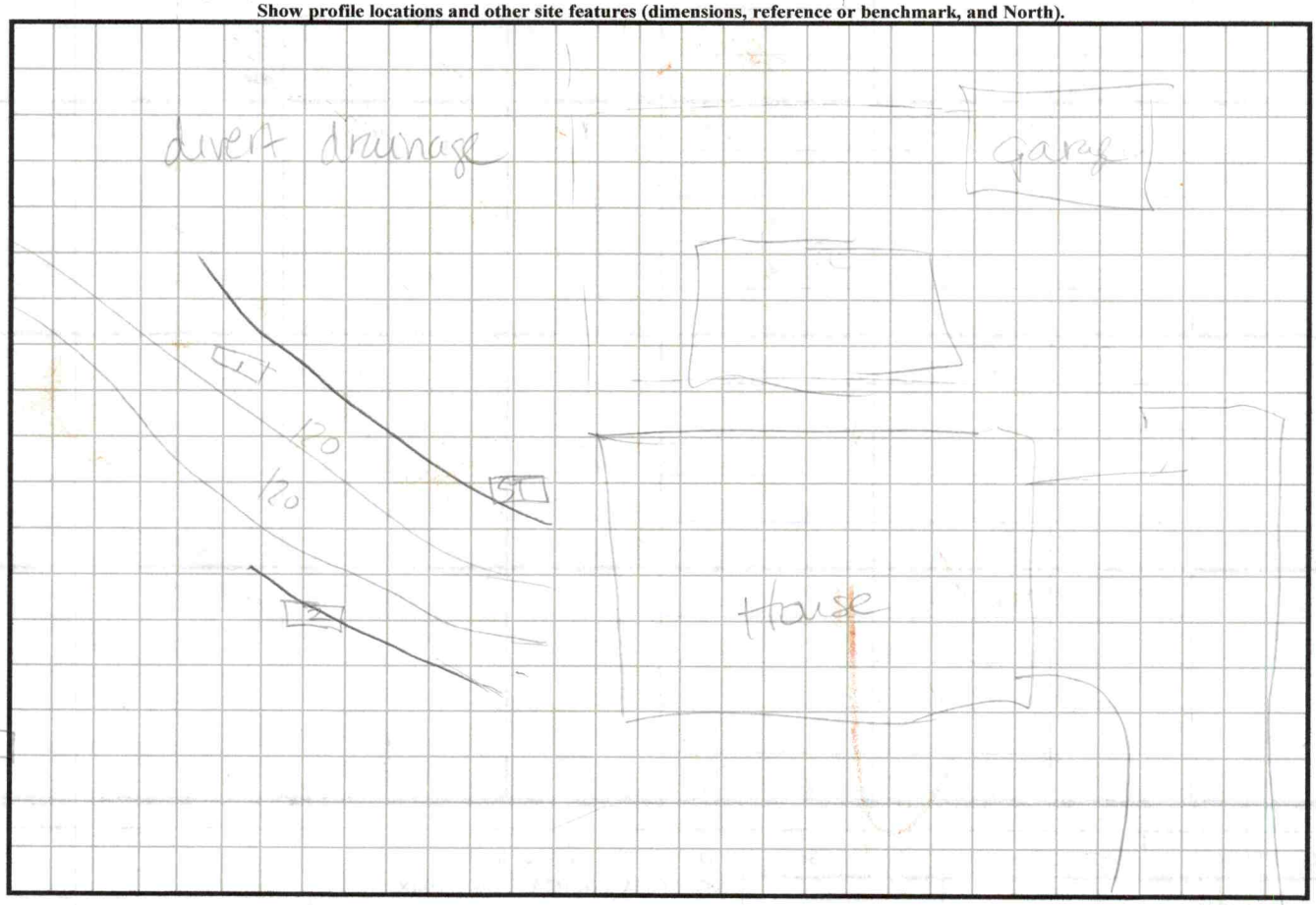
NOTES

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).



stormwater drain

Blueberry hill

Updated February 2014

PERMIT SNAPSHOT REPORT OSWP-2024-64154 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	10/25/2024
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:**	Wieberg, Danielle	**Approval Expire Date:**	

Description: Comprehensive redraw for septic permit # OSWP-2023-15122 System not installed. Want to move proposed home to a location more to the center of the lot, and change to basement without plumbing.

Parcel: 4786125942.000 Main	**Address:** 117 Blueberry Hill Dr Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent
Jay W Camery
1962 Kathy Ct.
Winchester, VA 22601
Business: (540) 678-8777
Mobile: (540) 678-8777

Property Owner
Patricia Camery
Home: (540) 678-8777
Mobile: (540) 336-9555

Permit Custom Fields

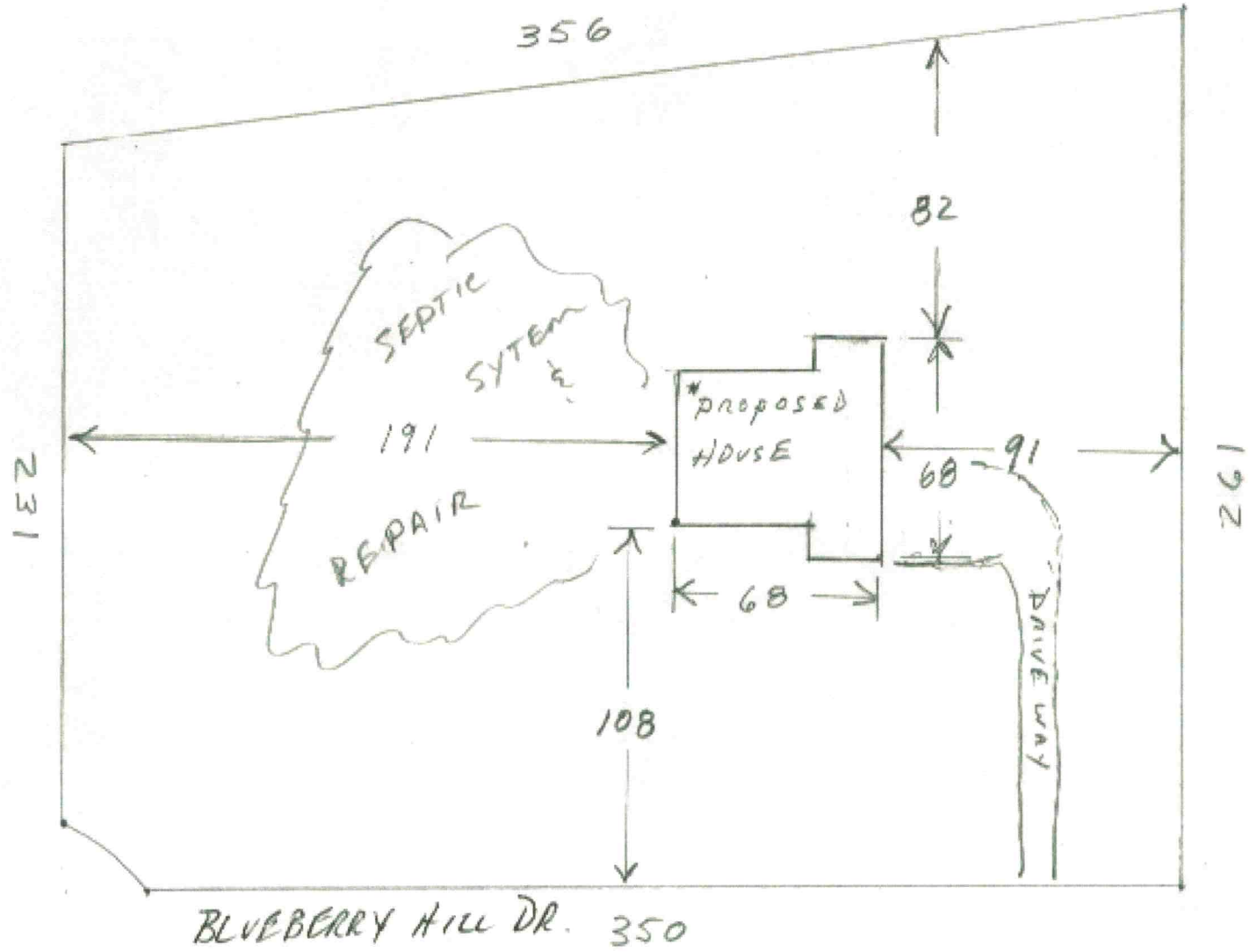
How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Re-Layout/change septic permit (sys not installed)	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	68' x 68' footprint of 3 bedroom, 2 bath single family home, basement without plumbing.
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	6	Foundation Type	Basement without Plumbing
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Pump Make		Septic Tank	1000
# of Nitrification Fields	1	Trench Width	36	Model	
Serial #		# of Lines	4	Linear Feet	360
Trench Bottom Depth (low side)	30	System Description	25% reduction	Repair System Description	50% reduction
Maintenance Agreement Required	No	Gravity/Pressure	Gravity	Comments/Conditions	
Permit type(s)	Authorization to Construct	Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Jay_Camery_10/25/2024.jpg	10/25/2024 9:11	Camery, Jay		Uploaded via CSS
Auth. Doc_v1.pdf	10/25/2024 9:22	Camery, Jay	Available Online	
Floor plan_v1.pdf	10/25/2024 9:22	Camery, Jay	Available Online	
Site plan_v1.pdf	10/25/2024 9:22	Camery, Jay	Available Online	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00037414	Comprehensive Gravity System Re-layout	$500.00	$500.00
	Total for Invoice INV-00037414	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

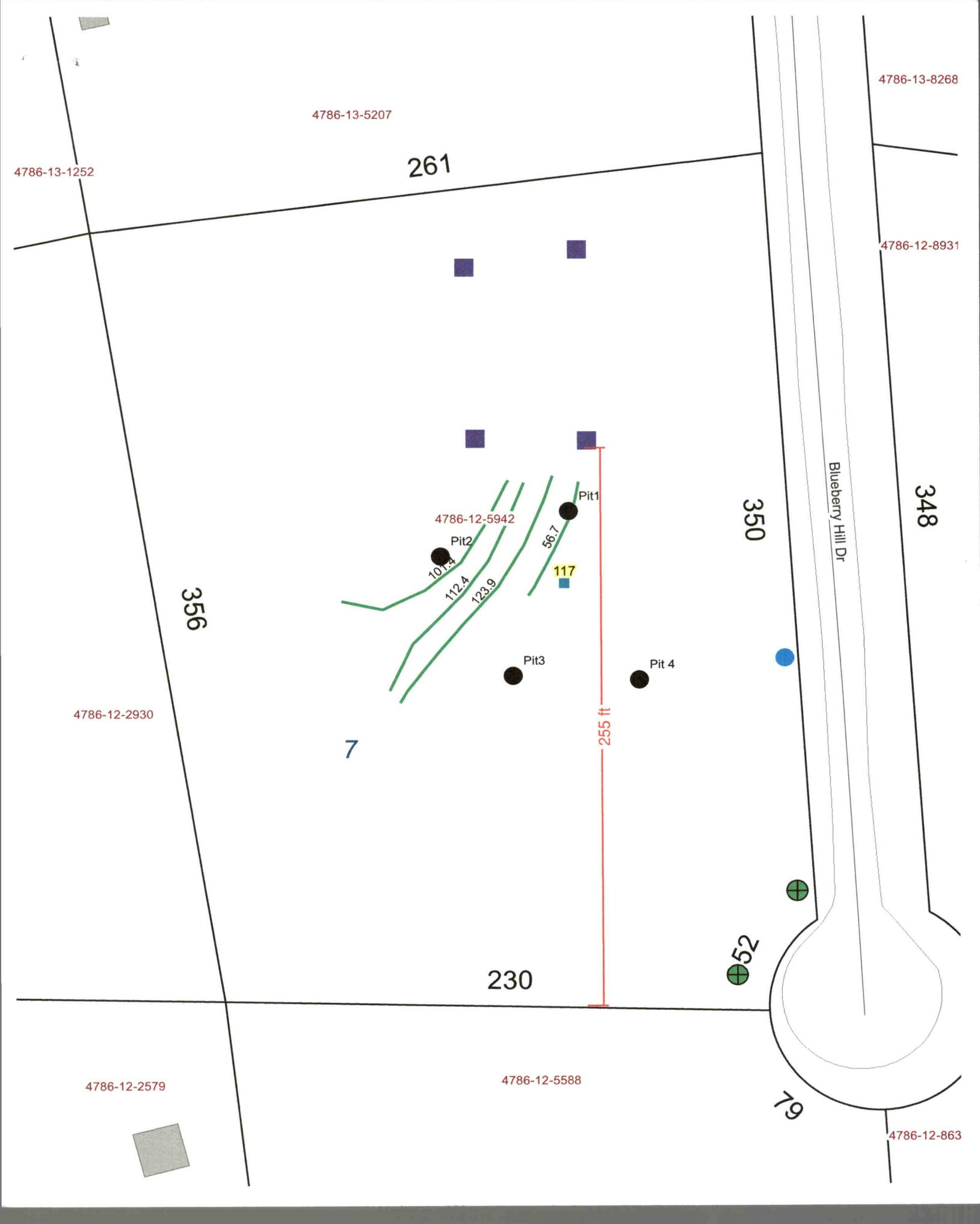
COMPREHENSIVE REDRAW FOR SEPTIC PERMIT #OSWP-2023-15.

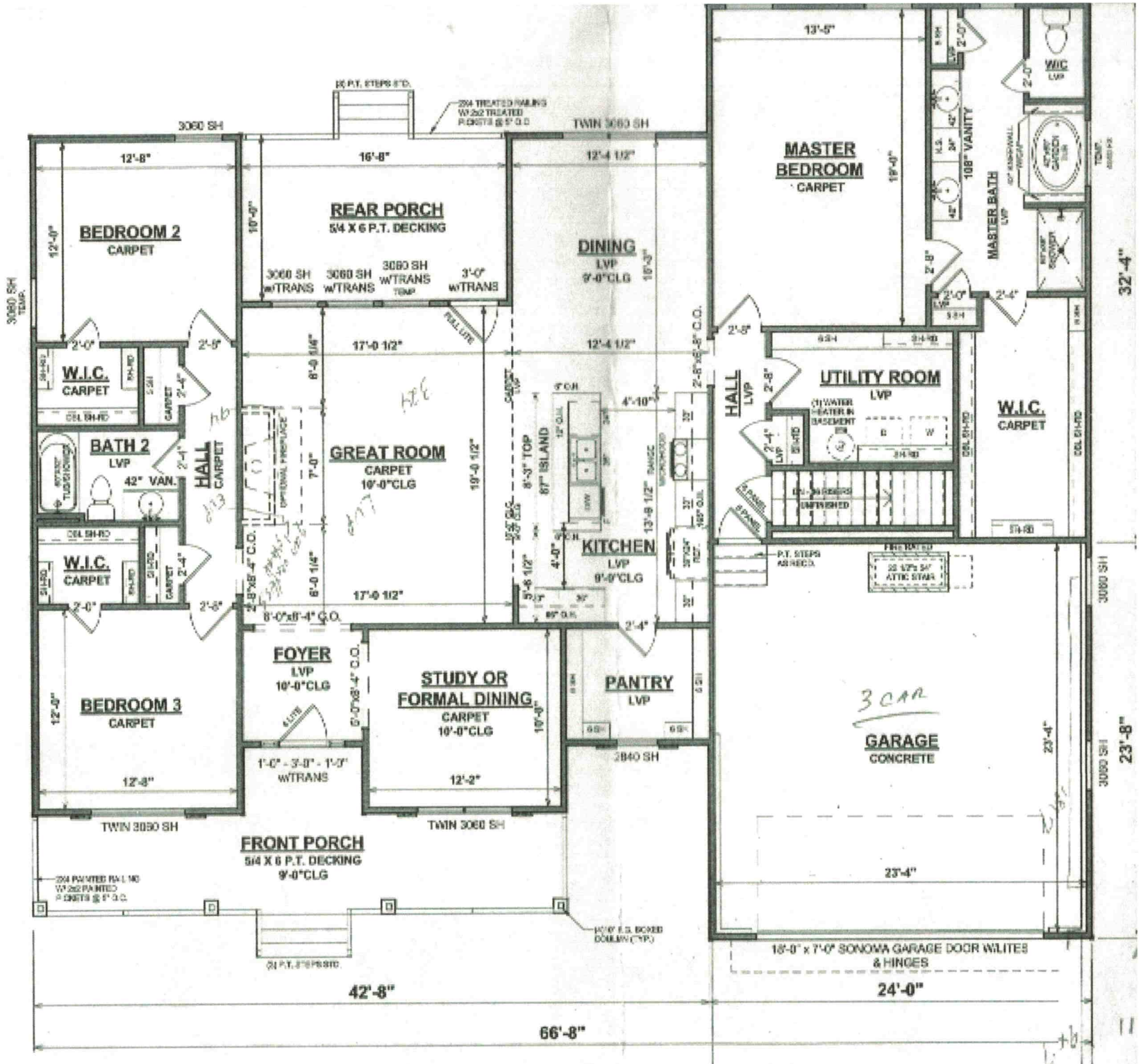
PIN # 4186-12-5942



OCT 23 2024 117 BLUEBERRY HILL DRIVE STATESVILLE, NC

*PROPOSED 3 BEDROOM, 2 BATH, BASEMENT WITH NO PLUMBING.


4786-13-8268
4786-13-5207
4786-13-1252
261
4786-12-8931
Blueberry Hill Dr
348
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4786-12-5942
Pit1
Pit2
56.7
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112.4
123.9
117
Pit3
Pit 4
255 ft
4786-12-2930
7
52
230
4786-12-2579
4786-12-5588
79
4786-12-863



FIRST FLOOR PLAN