MInF-2023-37680

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP-2023-26926

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

PIN # 4863 -- 42 -- 8121

APPLICANT/OWNER: COURTNEY & QUINN WIERCKZ APPLICANT ADDRESS: 160 CORNWALL ROAD, HARMONY, N.C. 28634

SITE ADDRESS: 160 CORNWALL ROAD, HARMONY, N.C. 28634 PHONE: 231-580-4115 ALT. PHONE 704-657-1634

SITE DIRECTIONS: (N) ON 77, (R) ON 901, (L) ON WINTHROP, (L) ON CRATER, (R) ON CARTWRIGHT, (L) ON TRIVETTE, (R) ON CORNWALL, LOT ON (R) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: TRIWALL ACRES SECTION: — LOT # 1 LOT AREA: 4.046 AC DESIGN FLOW: 360 GPD L.T.A.R.: 0.25

Septic Tank	1000	(gal)	STB		Date		☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	—	(gal)	PT	—	Date	—	System Description:	25% REDUCTION			
Pump Make	—		Model	—	Serial #	—	Repair System Description:	50% REDUCTION			
# Nitrification Fields	1		# Lines	4	Linear Ft	360 GPD	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36 IN		Trench Bottom Depth(Low side)	28 IN			Gravel Depth	—	☑ GRAVITY	☐ PRESSURE	

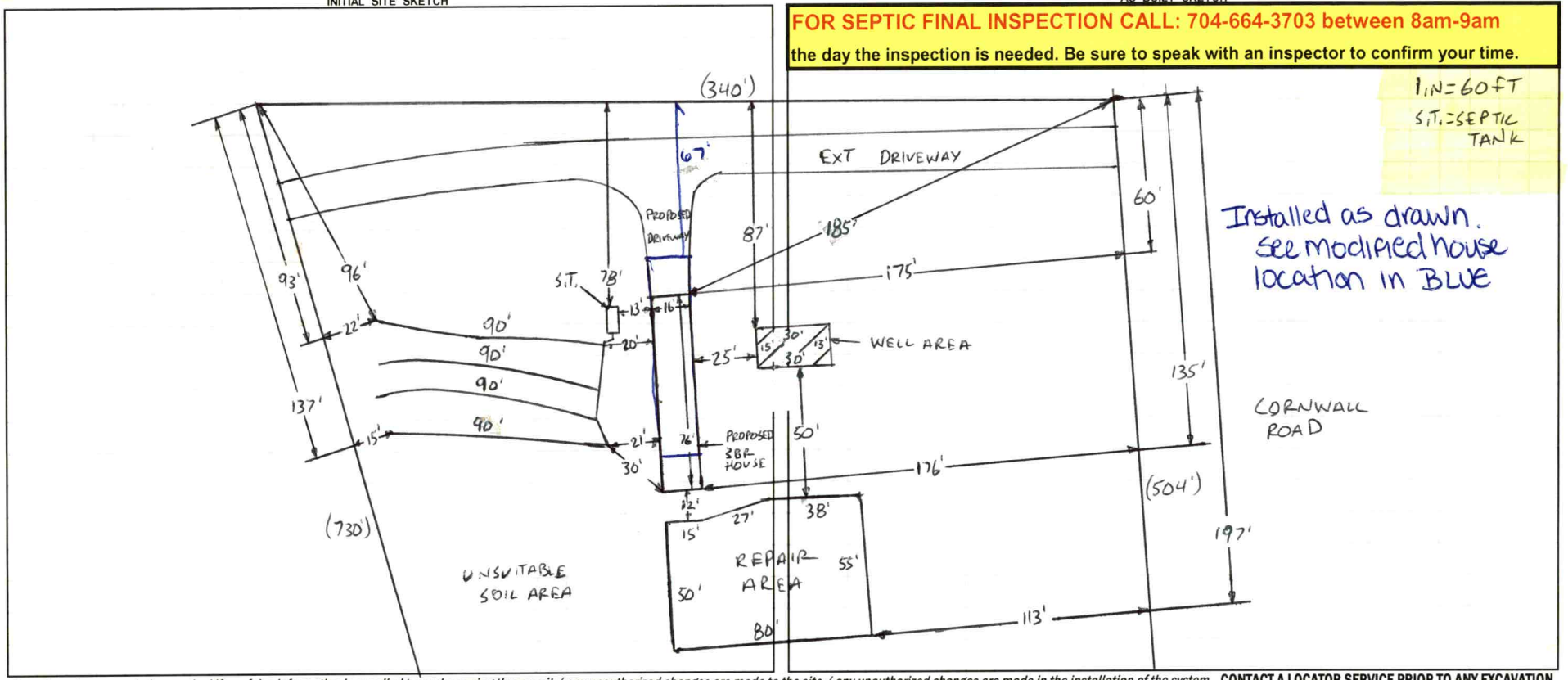
☑ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☑ Private
☐ Other	No. Employees	—	☐ Public
☐ Slab	☑ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 36IN TRENCH DEPTH, DO NOT SHALLOW UP.

DEPTH OF HOUSE CHANGED BACK OF HOME MUST BE PLACED AS SHOWN, WELL MUST BE 25 FT FROM HOUSE

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: Gunter Grading

IMPROVEMENT PERMIT by: Bryant C. White Date: 8-8-2023 OPERATION PERMIT by: Sean Williams Date: 11-21-23

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 8-10-2023 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? _____	

Sheet 1 of 1
PROPERTY ID #: 4863-42-8121
COUNTY: IREDELL

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

OWNER: COURTNEY + QUINN WIERKZ
ADDRESS: 160 CORNWALL ROAD, HARMONY, N.C. 28634
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 160 CORNWALL ROAD, HARMONY, N.C, 28634
WATER SUPPLY: ✓ Private Public ✓ Well Spring Other
EVALUATION METHOD: Auger Boring ✓ Pit Cut
TYPE OF WASTEWATER: ✓ Sewage Industrial Process Mixed

APPLICATION DATE 6-1-2023
DATE EVALUATED: 7-11-2023
PROPERTY SIZE: 4.046 AC
PROPERTY RECORDED: YES

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	FOOT 15%	0-10	FILL MIXED CLEARING		10YR 5/6 MOTS 24"+ MATX 5YR 6/6 2.5Y 6/2 @ 28"	51"+	NA	NA	PS .225 ABOVE 28"
		10-26	C, ST ABK	FR, S, P, SEXP					
		26-51	CL, WABK	FI, SS, SP, SEXP					
2	LINEAR SIDE 14%	0-15	FILL MIXED CLEARING		10YR 5/6 MOTS 22"+ 10YR 5/2 @ 24"	55"+	NA	NA	U
		15-29	C, ST ABK	FR, S, P, SEXP					
		29-55	CL, WABK	FI, SS, SP, SEXP					
3	NOSE 8%	0-9	FILL MIXED CLEARING		SAP INC 24"+ NON-CON QUARTZ VEIN	50"+	NA	NA	PS .275
		9-33	C, ABK	FR, S, P, SEXP					
		33-50	CL, WABK	FR, SS, SP, SEXP					
4	LINEAR SLOPE 12%	0-11	FILL MIXED CLEARING		SAP INC 20"+ Y/B MOTS 24"-28"	48"+	NA	NA	PS .25
		11-26	C, ABK	FR, S, P, SEXP					
		26-48	CL, WABK	FI, SS, SP, SEXP					

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

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bryant C. Mills
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.

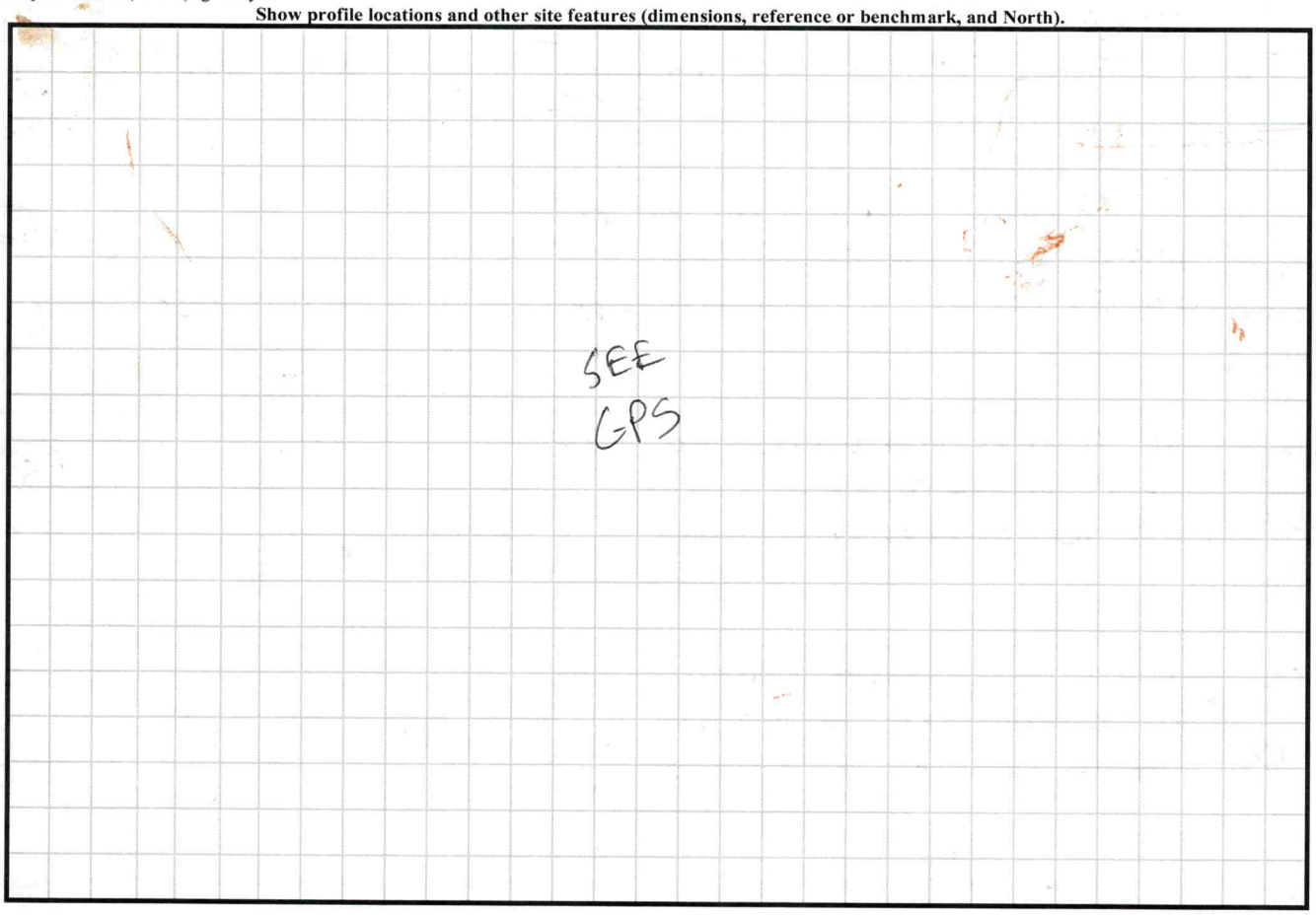
NOTES

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)

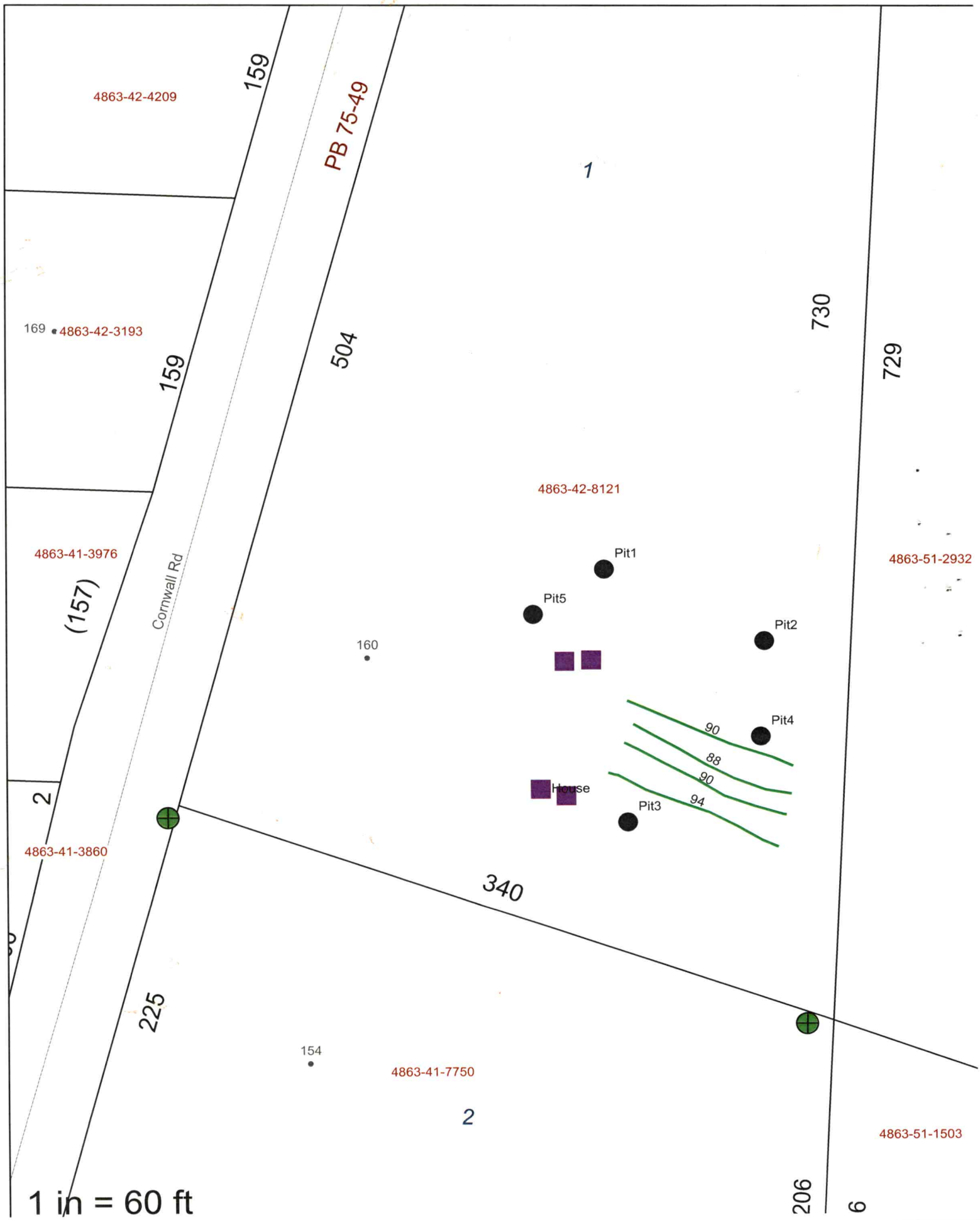
Evaluation of saprolite shall be by pits.

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

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



PIT 5 — LINEAR, SIDE, 12% — 0-12 FILL MIXED CLEARING; 12-27 CL ABK FR,S,P,SEXP; 27-48 CL WABK FI,SS,SP,SEXP — SAP INC 24"+ — FEW Y/B MOTS @27" — 48"+ — NA — NA — PS .25


4863-42-4209
159
PB 75-49
1
169
4863-42-3193
159
504
730
729
4863-42-8121
4863-41-3976
(157)
Cornwall Rd
Pit1
Pit5
Pit2
4863-51-2932
160
90
Pit4
88
90
94
House
Pit3
2
4863-41-3860
340
225
154
4863-41-7750
2
4863-51-1503
206
6
1 in = 60 ft

PERMIT SNAPSHOT REPORT OSWP-2023-26926 FOR IREDELL COUNTY

Permit Type:	Environmental Health OSWP	**Project:**		**App Date:**	06/01/2023
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:**	White, Bryant	**Approval Expire Date:**	

Description: LOT WILL NEED TO BE BUSHHOGGED OR MOWED BEFORE GOING OUT-SH new septic and well for singlewide (APPLYING FOR IP / AC) **emailed a zoning disclaimer lot dimensions on site plan do not match dimensions on our map** Zoning disclaimer in file**

Parcel: 4863428121.000 Main	**Address:** 160 Cornwall Rd Harmony, NC 28634 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent	Property Owner	Property Owner
Courtney Wierckz	Courtney Wierckz	Quinn Wierckz
160 Cornwall Rd	Home: (704) 657-1634	Home: (231) 580-4115
Harmony, NC 28634	Mobile: (704) 657-1634	Mobile: (231) 580-4115
Mobile: (704) 657-1634		

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	14x74 singlewide
What are the proposed structures	Manufactured Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Crawl Space Foundation
Water Supply	New Well	Desired Septic System Type	Conventional (most common)	Has this project been approved by TRC	No
Lot Acreage	4.046	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Is the structure or development in the floodplain	No
Is the property in a local historic district?	No	Is the property located downtown?	No	Zoning Notes/Addendums	REQUIREMENTS FOR ALL SINGLEWIDE MOBILE HOMES Must meet requirement R10 of the LDC. Must remove the towing apparatus, if it cannot be removed, it shall be screened; Must have a continuous underpinning; Must have 36 square foot front porch constructed within 12 inches of the floor elevation; Must have approved steps at all other secondary entrances and exits; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original home must be removed before Certificate of Occupancy can be approved.
Additional Unique Setbacks Apply	No	Watershed	WSIII BOW HUNTING CREEK		

PERMIT SNAPSHOT REPORT (OSWP-2023-26926)

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Courtney_Wierckz_6/1/2023.jpg	06/01/2023 12:00	Wierckz, Courtney		Uploaded via CSS
Wierckz_AAForm_v2.pdf	06/05/2023 9:36	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent
Wierckz_OwnerApplicant_SepticPermit_v1.docx	06/15/2023 9:49	Sloan, Chrystal	Available Online	Authorize to Act as Agent
ZONING DISCLAIMER.pdf	06/15/2023 11:11	Sloan, Chrystal		
4863425678.000.pdf	06/15/2023 12:19	Williams, Deborah	Available Online	revised site plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-105859	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	06/20/2023	06/20/2023 0:00	06/20/2023 0:00	06/20/2023 13:21	06/20/2023 13:21

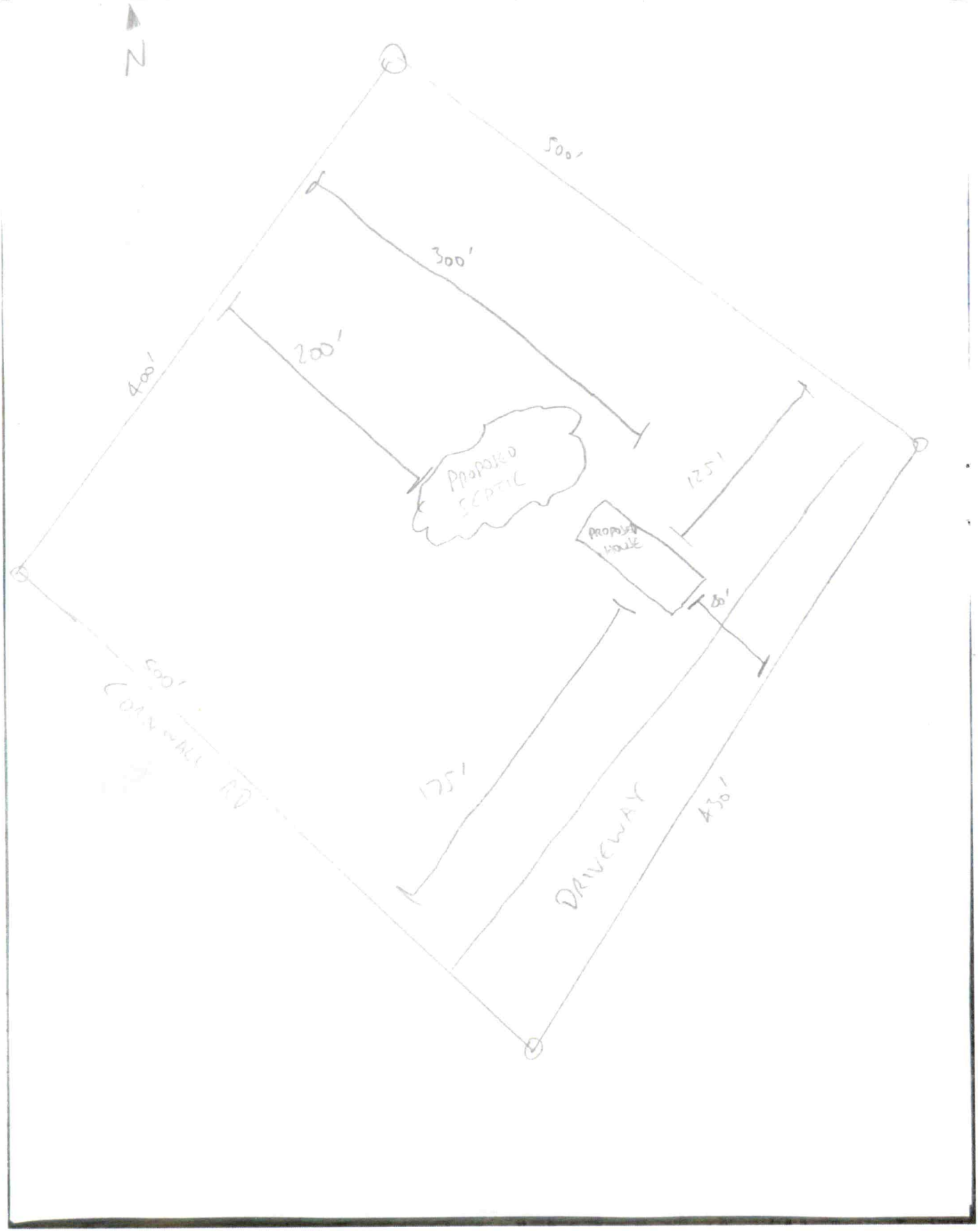
Inspectors: White, Bryant (Primary)

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

Note	Created By	Date and Time Created
1. 6/20/23	Sydney Holland	06/20/2023 9:04

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00015816	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00015816	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		06/05/2023 10:48	06/05/2023 10:48
Confirm application complete v.1	Generic Action		06/05/2023 10:48
Zoning Review v.1		06/15/2023 11:20	06/16/2023 10:36
~~Floodplain Admin Overview v.1~~	Task		06/15/2023 11:20
Iredell County Zoning Approval v.1	Task	06/15/2023 11:20	06/16/2023 10:36
Issue Invoice v.1	Generic Action		06/15/2023 12:02
Fees Paid v.1	Generic Action		06/16/2023 10:36
Fees v.1		06/16/2023 12:14	06/16/2023 12:14
Issue Invoice v.1	Generic Action		06/16/2023 12:14
Fees Paid v.1	Generic Action		06/16/2023 12:14
Lot Readiness Verification v.1		06/20/2023 13:21	
OSWP Septic Preliminary Site Visit v.1	Inspection	06/20/2023 13:21	06/20/2023 13:22
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		


N
500'
300'
200'
400'
PROPOSED SEPTIC
125'
PROPOSED HOUSE
30'
500'
125'
DRIVEWAY
430'