MANF-2023 3513

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP-2023-2693

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

PIN # 4863 -- 41 -- 6391

APPLICANT/OWNER: WILLIAM R. MAY APPLICANT ADDRESS: 3348 JENNINGS ROAD, UNION GROVE, N.C. 28689

SITE ADDRESS: 134 CORNWALL ROAD, HARMONY, N.C. 28634 PHONE: 704-902-4010 ALT. PHONE 704-280-4321

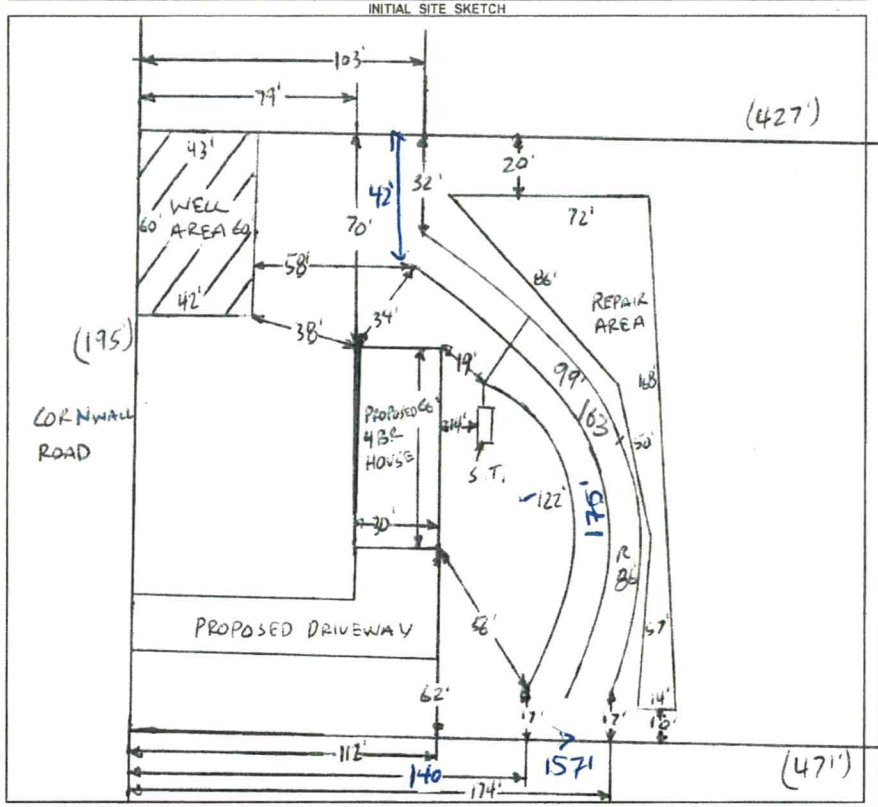
SITE DIRECTIONS: (N) on 77, (R) on 901, (L) on WINTHROP, (L) on CRATER, (E) on CARTWRIGHT, (L) on TRIVETTE, (R) on CORNWALL, LOT on (L) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: TRIWALL ACRES LLC SECTION: — LOT # 4 LOT AREA: 2.007 AC DESIGN FLOW: 480 GPD L.T.A.R.: 0.3

Septic Tank	1000 (gal)	STB	884	Date	7/21/23	☑ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	4	Water Supply
Pump Tank	— (gal)	PT	—	Date	—	System Description:	25% REDUCTION	☐ Business	No. Persons	8	☑ Private
Pump Make	—	Model	—	Serial #	—	Repair System Description:	25% REDUCTION	☐ Other	No. Employees	—	☐ Public
# Nitrification Fields	1	# Lines	3	Linear Ft	400 FT	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☑ Crawl Space		☐ Community
Trench Width	36 IN	Trench Bottom Depth(Low side)	22 IN	Gravel Depth	—	☑ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing		

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 22IN MAX TRENCH DEPTH.

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.

1 IN = 60 ft
S.T. = SEPTIC TANK
R = REPAIR

PROPERTY CONTINUES →

As Built -
See measurements @ Left
L3 = 103ft

122
175
103
400

DW tanks, top 2 lines 9/28/23

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: A-1 Backhoe

IMPROVEMENT PERMIT by: Bryant C. White Date: 7-25-2023 OPERATION PERMIT by: Matt Wi Date: 9/29/23

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 7-25-2023 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

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PIN # 4863 -- 41 -- 6391

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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 LLC SECTION: — LOT # 4 LOT AREA: 2.007 AC DESIGN FLOW: 480 GPD L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB		Date						
Pump Tank	—	(gal)	PT	—	Date	—					
Pump Make	—	Model	—		Serial #	—					
# Nitrification Fields	1	# Lines	3		Linear Ft	400 ft					
Trench Width	36 IN	Trench Bottom Depth(Low side)	22 IN		Gravel Depth	—					

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

System Description: 25% REDUCTION

Repair System Description: 25% REDUCTION

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

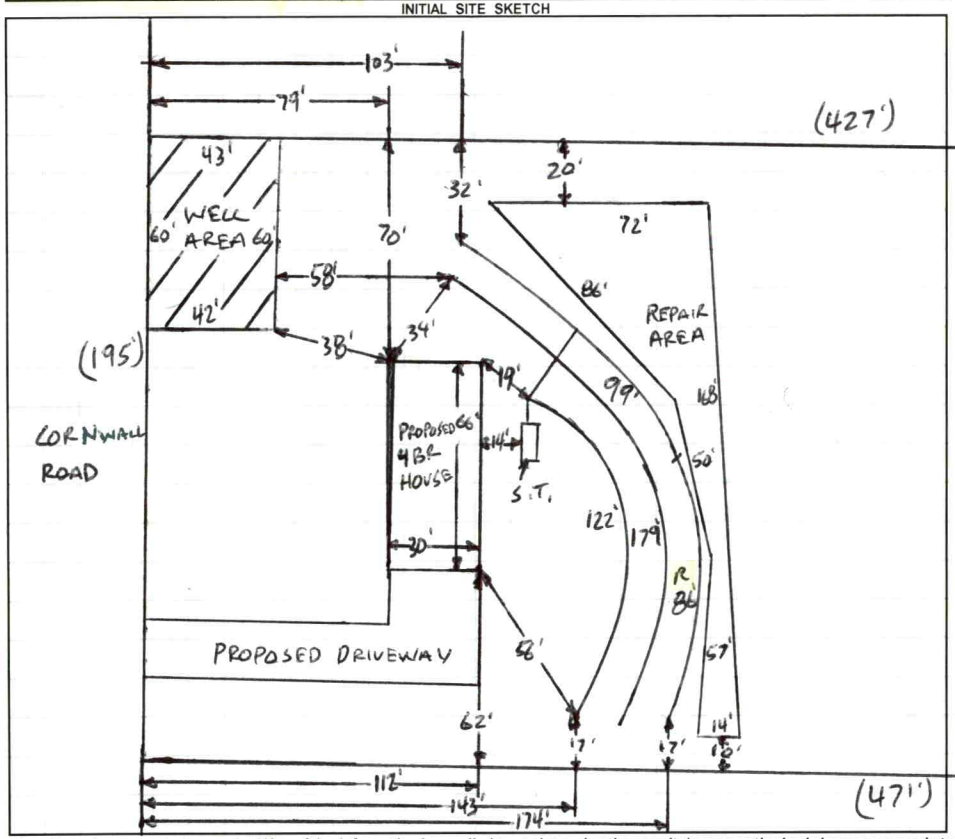
☑ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

No. Bedrooms 4 No. Persons 8 No. Employees — ☑ Crawl Space ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 28IN MAX TRENCH DEPTH.

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.

1 IN = 60 FT

S.T. = SEPTIC TANK

R = REPAIR

PROPERTY CONTINUES →

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: _____

IMPROVEMENT PERMIT by: Bryant C. White Date: 7-25-2023 OPERATION PERMIT by: _____ Date: _____

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 7-25-2023 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 #: 4863-41-6391
COUNTY: IREDELL

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

OWNER: WILLIAM R. MAY
ADDRESS: 3348 JENNINGS ROAD, UNION GROVE, N.C. 28689
PROPOSED FACILITY: 4 BR
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 134 CORNWALL ROAD, HARMONY, N.C. 28634
APPLICATION DATE 4-4-2022
DATE EVALUATED: 5-2-2022
PROPERTY SIZE: 2.007 AC
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	NOSE 3%	0-8	FILL	MIXED	FI SAP INC THRU OUT MANY FI BELOW 40"	56"+	NA	NA	PS .3 ABOVE 40"
		8-32	C, SBK	FR, S, P, SEXP					
		32-56	CL, SBK	FR, SS, SP, SEXP					
2	LINEAR SIDE 12%	0-33	C, SBK	FR, S, P, SEXP	FEW FI SAP INC SAP INC THRU OUT	54"+	NA	NA	PS .3
		33-54	CL, WSBK	FR, SS, SP, SEXP					
3	LINEAR SIDE 12%	0-9	FILL	MIXED	SAP INC THRU OUT FEW FI	51"+	NA	NA	PS .3
		9-38	C, SBK	FR, S, P, SEXP					
		38-51	CL, WSBK	FR, SS, SP, SEXP					
4	LINEAR SIDE 12%	0-12	FILL/COMPACTED MIXED		SAP INC THRU OUT FEW FI	54"+	NA	NA	PS .3
		12-36	C, SBK	FI, S, P, SEXP					
		36-54	CL, VF SBK	FR, SS, SP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	25%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Burnett C. White
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.

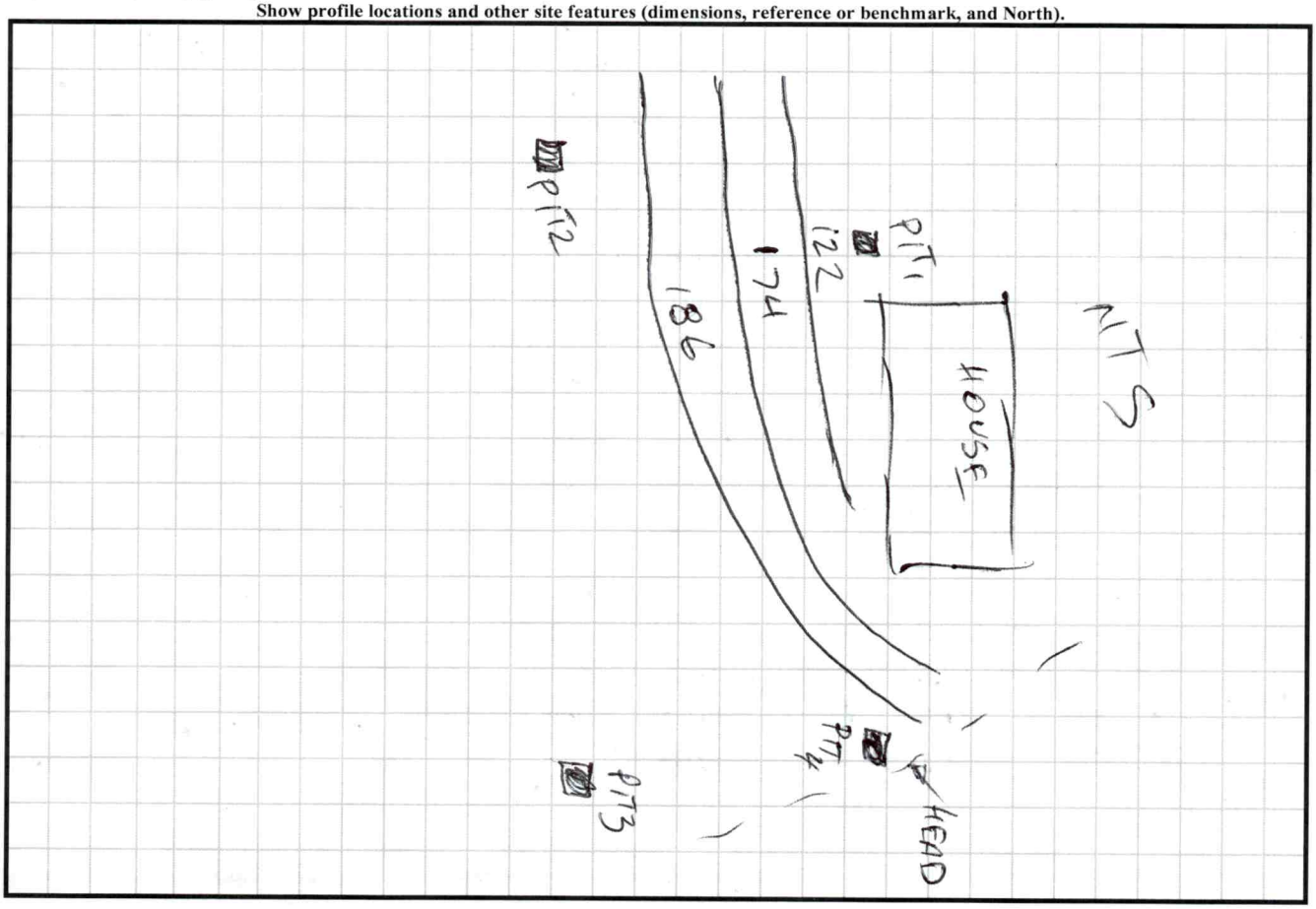
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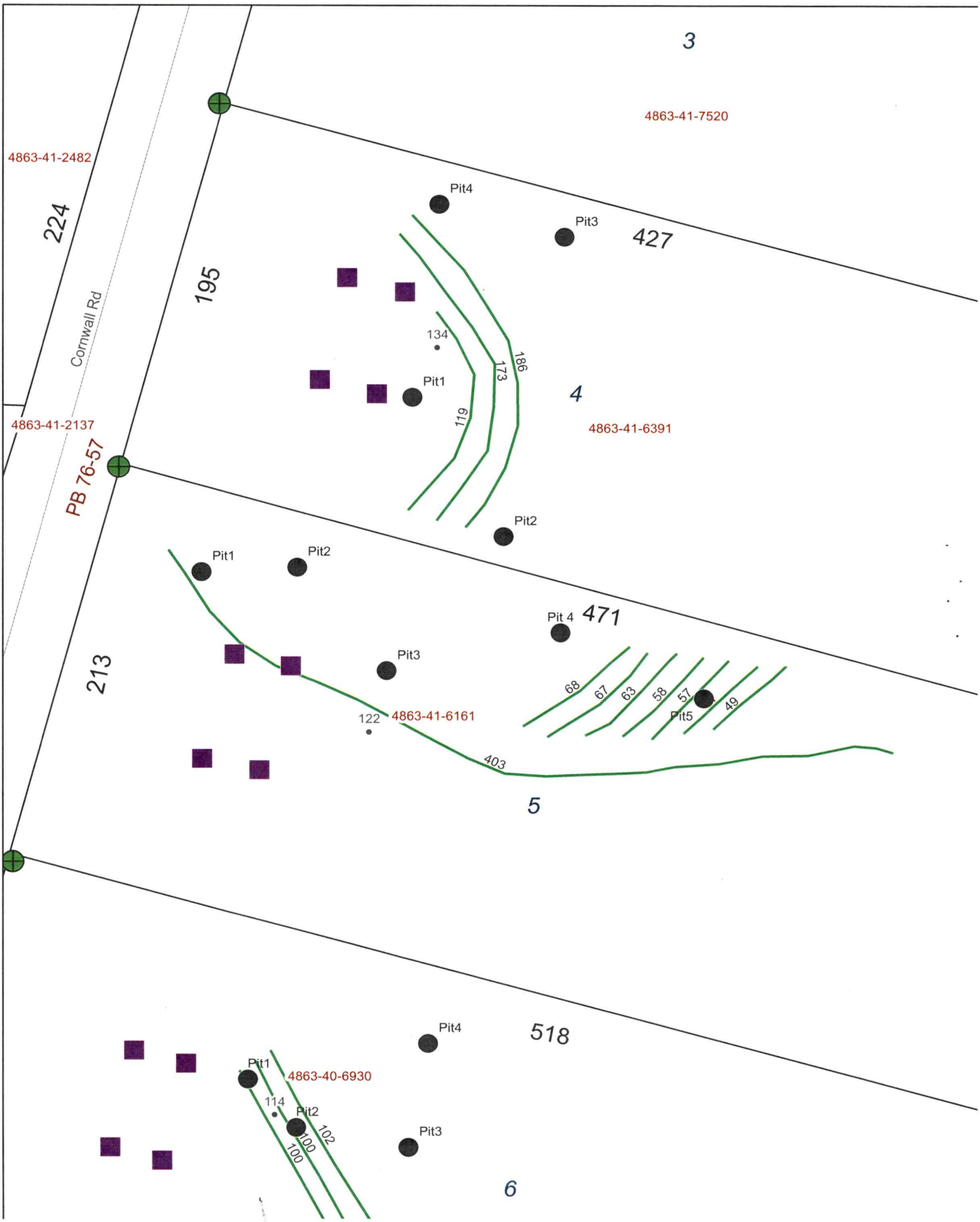
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).




3
4863-41-7520
4863-41-2482
224
Cornwall Rd
195
Pit4
Pit3
427
134
186
173
119
Pit1
4
4863-41-6391
4863-41-2137
PB 76-57
Pit2
Pit1
Pit2
Pit 4
471
213
Pit3
68
67
63
58
57
49
Pit5
122
4863-41-6161
403
5
Pit4
518
Pit1
4863-40-6930
114
Pit2
102
100
100
Pit3
6

PERMIT SNAPSHOT REPORT OSWP-2023-21093 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Description: New Septic Permit IP/AC

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: White, Bryant

App Date: 04/04/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4863416391.000 Main

Address: 134 Cornwall Rd Main
Harmony, NC 28634

Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
WILLIAM R II+CHRISTIE D FOSTER MAY MAY

Applicant/Authorized Agent
MITCHELL BARRY M ETAL
222 CLIFFORD RD
OLIN, NC 28660

Applicant/Authorized Agent
William R May
3348 Jennings Road
Union Grove, NC 28689
Mobile: (704) 902-4010

Property Owner
TRIWALL ACRES LLC
147 TROY MILL RD
HAMPTONVILLE, NC 27020
Business: (704) 280-4321

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	28 x 56 house 6 x 6 front porch 8 x 10 deck	Type of New Single-Family Residence	Mobile Home
Maximum Number of Bedrooms	4	If other Addition/Structure, please explain		Number of Occupants	8
Foundation Type	Crawl Space Foundation	Water Supply	New Well	Desired Septic System Type	Innovative
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Authorization to Construct
Lot Acreage	1.59	Back Setback	10	Left Setback	10
Right Setback	10	Zoning Permit Issued Date	Apr 19 2023 12:00AM	Zoning Permit Expiration Date	Oct 16 2023 12:00AM
Additional Unique Setbacks Apply	No	Watershed	WSIII BOW HUNTING CREEK		

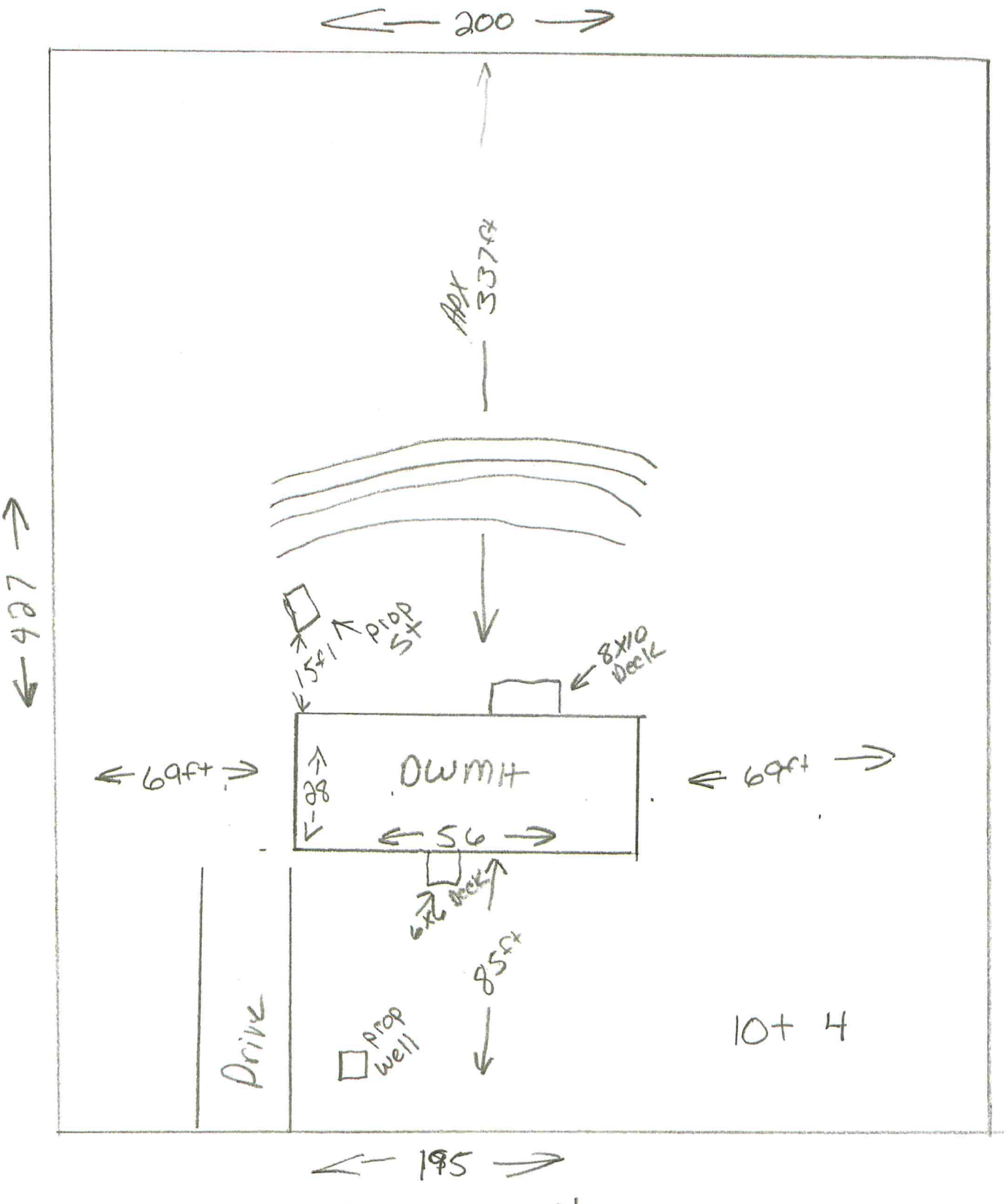
Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_William_May_4/4/2023.jpg	04/04/2023 14:15	May, William		Uploaded via CSS
Auth to Act 163 Cornwall_v1.pdf	04/05/2023 16:15	Nebel, Barbara	Available Online	Authorize to Act as Agent
Site Plan 163 Cornwall_v1.pdf	04/05/2023 16:33	Bailey, Julia	Available Online	Site Plan
House Plan Cornwall Trivette_v1.pdf	04/05/2023 16:33	Bailey, Julia	Available Online	Floor Plan(s)

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00011898	Iredell Zoning Permit Fee		$75.00	$75.00
	Iredell Zoning Tech Fee		$2.25	$2.25
		Total for Invoice INV-00011898	$77.25	$77.25
INV-00012635	New Gravity System		$500.00	$500.00
		Total for Invoice INV-00012635	$500.00	$500.00
		Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		04/05/2023 16:14	04/05/2023 16:15
Confirm application complete v.1	Generic Action		04/05/2023 16:15
Fees v.1		04/25/2023 12:27	04/25/2023 12:27

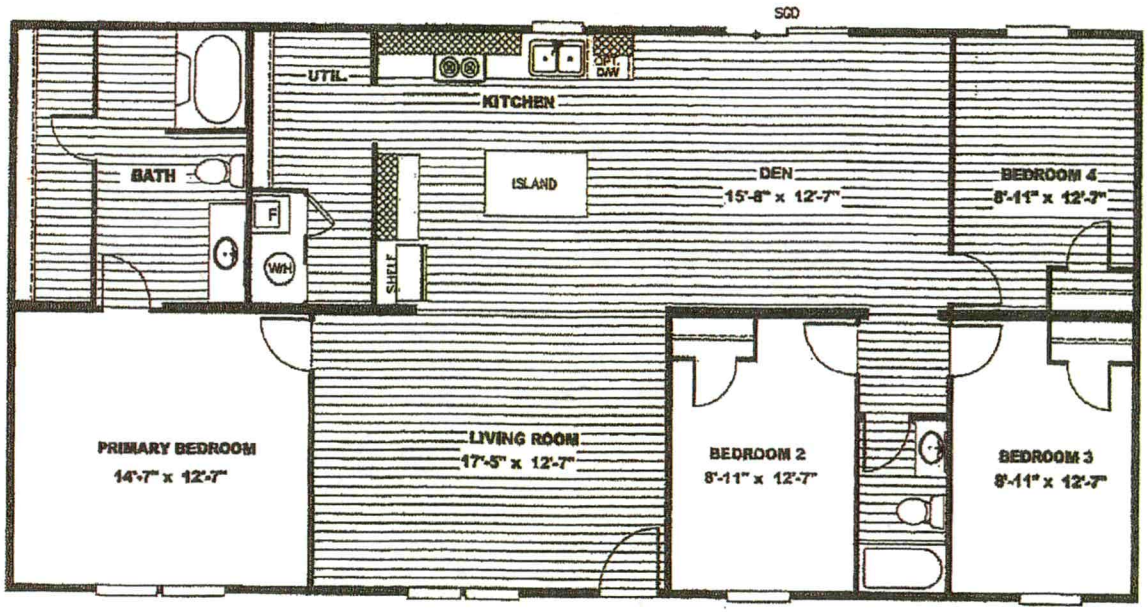
PERMIT SNAPSHOT REPORT (OSWP-2023-21093)

Issue Invoice v.1	Generic Action		04/25/2023 12:27
Fees Paid v.1	Generic Action		04/25/2023 12:27
Zoning Review v.1		04/05/2023 16:14	04/20/2023 8:33
~~Floodplain Admin Overview v.1~~	Task		04/05/2023 16:32
Iredell County Zoning Approval v.1	Task	04/05/2023 16:14	04/20/2023 8:33
Issue Invoice v.1	Generic Action		04/05/2023 16:32
Fees Paid v.1	Generic Action		04/20/2023 8:33
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
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		



163 CORNWALL

Marvel 4



Model#: TRU28564A

28' x 56' Marvel 4