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

5th

MAHP - 2024 - 50330

PERMIT : OSWP 2024-50229

PIN # 3796 - 96 - 2929

APPLICANT/OWNER: Collin Twombly

APPLICANT ADDRESS: 245 Fairchase Cir, Stony Point

SITE ADDRESS: 252 Fairchase Cir, Stony Point 28678

PHONE: 828-514-6165

ALT. PHONE -

SITE DIRECTIONS: Hwy 64 - E Lachy Farm - Cherry Blossom - Sweet Cherry - Fairchase

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Fieldcroft

SECTION: 2

LOT #: 56

LOT AREA: 0.87

DESIGN FLOW: 360 gpd

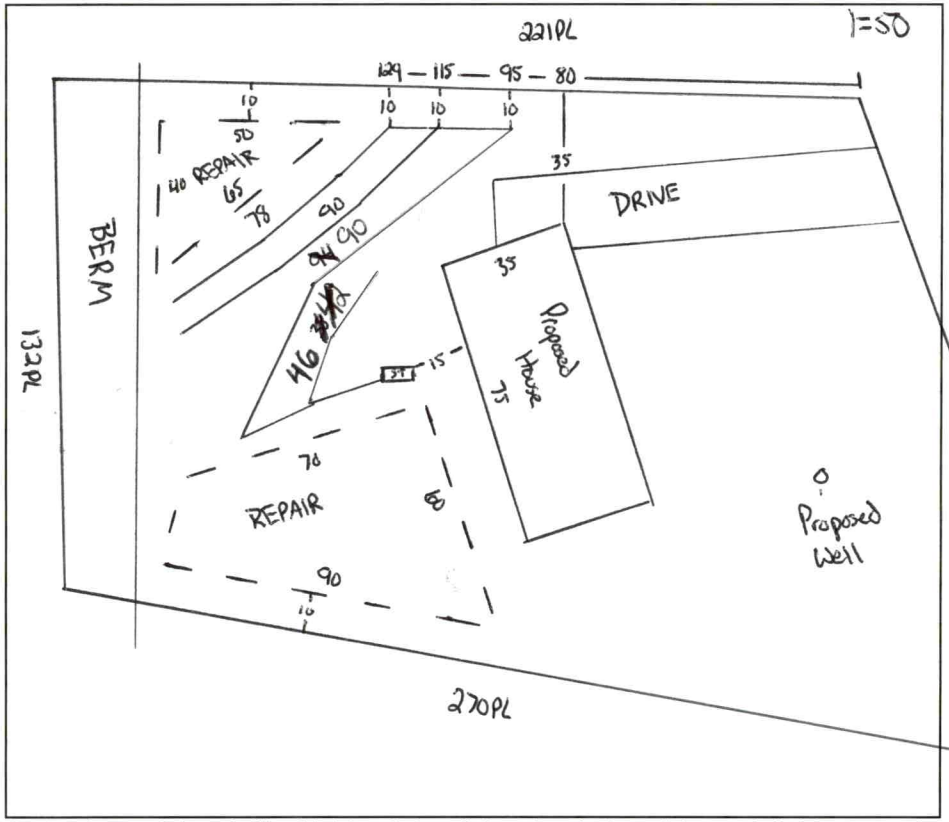
L.T.A.R.(Initial): 0.3

L.T.A.R (Repair): 0.3

Septic Tank	1000	(gal)	STB 1012	Date	8/16/24	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms	3	Water Supply		
Pump Tank		(gal)	PT	Date		System Description:	25% reduction			☐ Business	No. Persons	6	☒ Private		
Pump Make		Model		Serial #		Repair System Description:	50% reduction			☐ Other	No. Employees		☐ Public		
# Nitrification Fields	1	# Lines	4	Linear Ft	300'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space		☐ Community		
Trench Width	36in	*Max. Trench Depth(Initial)	33in	*Max. Trench Depth(Repair)	32in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing			☐ Basement w/o plumbing		
* Measured on the downhill side of the trench		Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40		Usable Depth to LC (Initial):	48in					Usable Depth to LC (Repair):	48in	*Limiting Condition*			

Comments / Conditions: Do not park, drive, or grade 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.

Installed as Drawn

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: K & M

IMPROVEMENT PERMIT by: Cary Whitt ✓ Date: 4/25/24

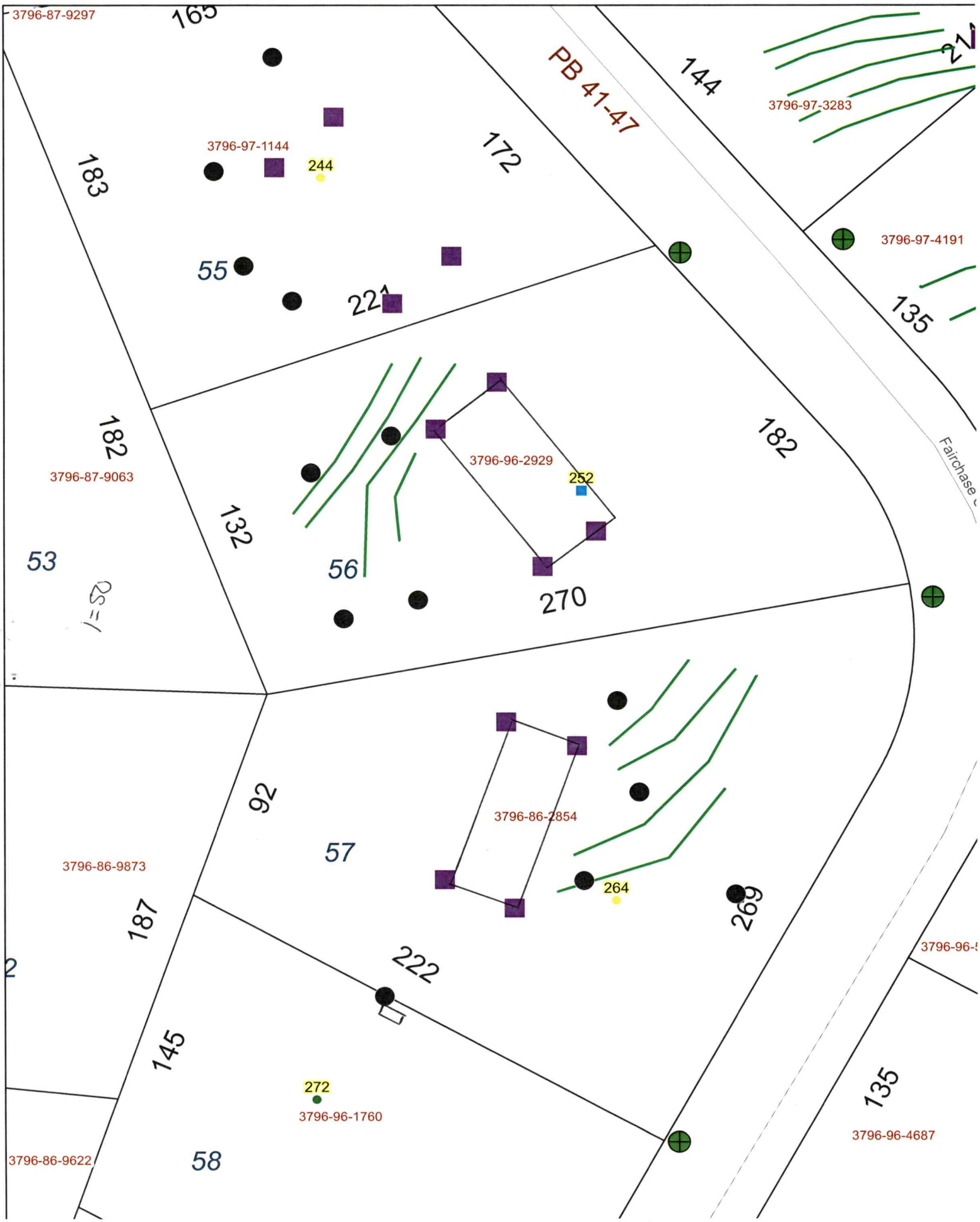
OPERATION PERMIT by: Cary Whitt ✓ Date: 10/30/24

AUTHORIZATION TO CONSTRUCT by: Cary Whitt ✓ Date: 8/15/24

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? _____	


3796-87-9297
165
PB 41-47
144
3796-97-3283
3796-97-1144
244
183
172
55
221
3796-97-4191
135
182
3796-87-9063
3796-96-2929
252
182
132
53
56
270
Fairchase
92
57
3796-86-2854
3796-86-9873
264
269
187
222
145
272
3796-96-1760
135
3796-96-4687
3796-86-9622
58

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

PROPERTY ID #: 3796962929
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Collin Twombly DATE EVALUATED: 4/23/24
ADDRESS: 245 Fairchase Cir
PROPOSED FACILITY: 3 bdlr home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 0.87
LOCATION OF SITE: 252 Fairchase Cir, Statesville PROPERTY RECORDED: yes
WATER SUPPLY: Public X Single Family Well Shared Well Spring Other WATER SUPPLY SETBACK: 50'
EVALUATION METHOD: Auger Boring X Pit Cut TYPE OF WASTEWATER: X 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 3%	0-22	C/SBK	SS Sp fr SE	-	55	Sap inclusions in CL Lithe + Mica	-	.3	2
		22-55	CL/SBK	SS Sp fr SE						
2	LS 4%	0-27	C/SBK	SS Sp fr SE	-	57	Sap inclusions in CL Heavy Sap 40+	-	.3	2
		27-57	CL/SBK	SS Sp fr SE						
3	LS 3%	0-30	C/SBK	SS Sp fr SE	-	55	Sap in CL Heavy Sap 45+	-	.3	2
		30-55	CL/SBK	SS Sp fr SE						
4	LS 3%	0-33	C/SBK	SS Sp fr SE	-	54	Sap inclusions throughout profile	-	.3	2
		33-54	CL/SBK	SS Sp fr SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	.3	.3
Maximum Trench Depth	36 in	30 in

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Cory Wrucke
OTHER(S) PRESENT:

Comments:

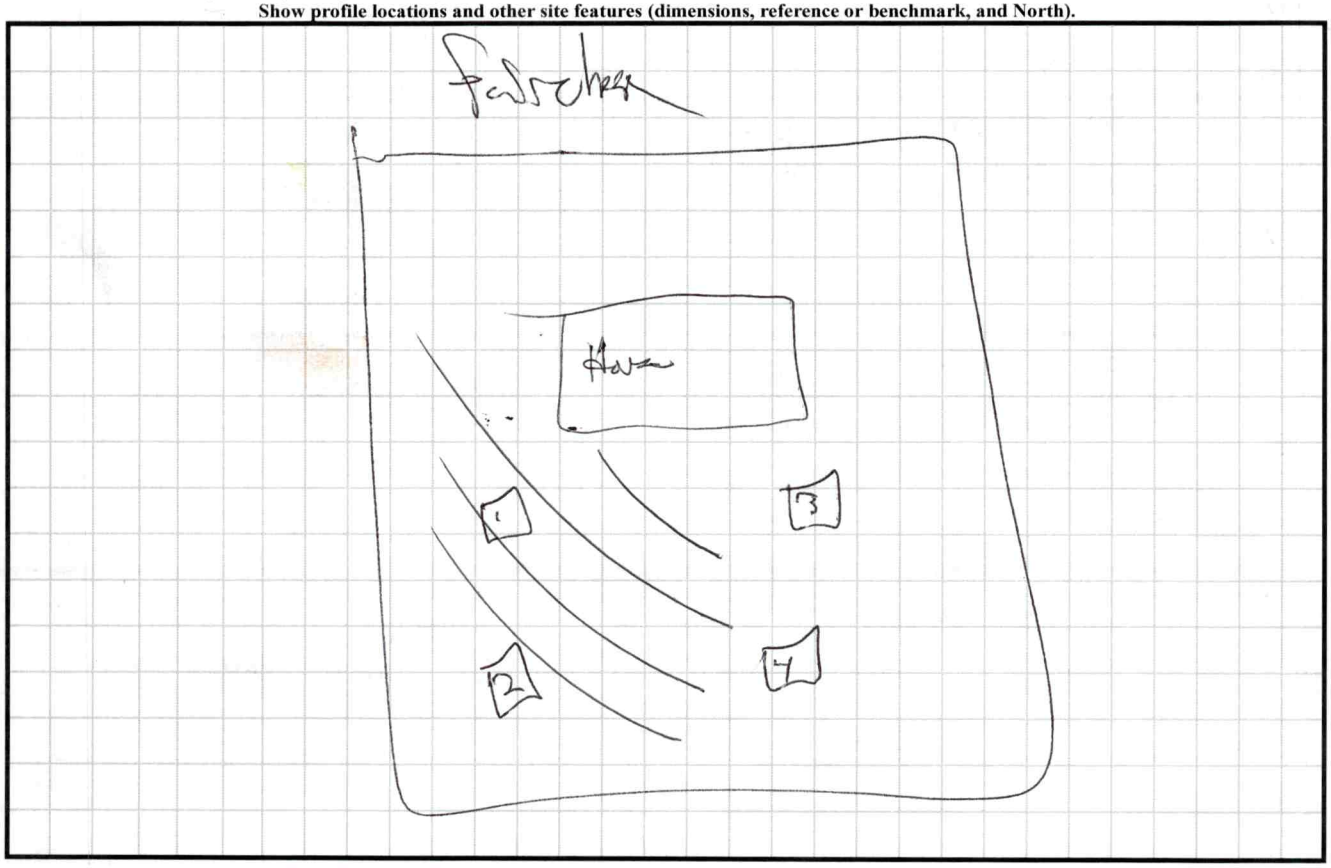
LEGEND

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).



PERMIT SNAPSHOT REPORT OSWP-2024-50229 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/29/2024
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:**	Whicker, Cory	**Approval Expire Date:**	

Description: installing new manufactured home on the property, max box size of 32 by 76. Site visit complete and site ready 4/15/24-BM

Parcel: 3796962929.000 Main	**Address:** 252 Fairchase Cir Main Stony Point, NC 28678	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent	Applicant/Authorized Agent	Applicant/Authorized Agent
Jacob Aaron	Jake Aaron	Collin H Twombly	Collin H Twombly
Home: (704) 996-9484	Home: (828) 461-8966	245 Fairchase Circle Stony Point, NC 28678	245 Fairchase Circle Stony Point, NC 28678

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	manufactures house, only proposed structure
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	6	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
Lot Acreage	0.87	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Apr 2 2024 12:00AM
Zoning Permit Expiration Date	Sep 29 2024 12:00AM	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 AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance		and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.

PERMIT SNAPSHOT REPORT (OSWP-2024-50229)

Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Collin_Twombly_3/29/2024.jpg	03/29/2024 17:13	Twombly, Collin		Uploaded via CSS
252 Iredell Authorized Agent Form_v1.pdf	04/01/2024 10:36	Twombly, Collin	Available Online	

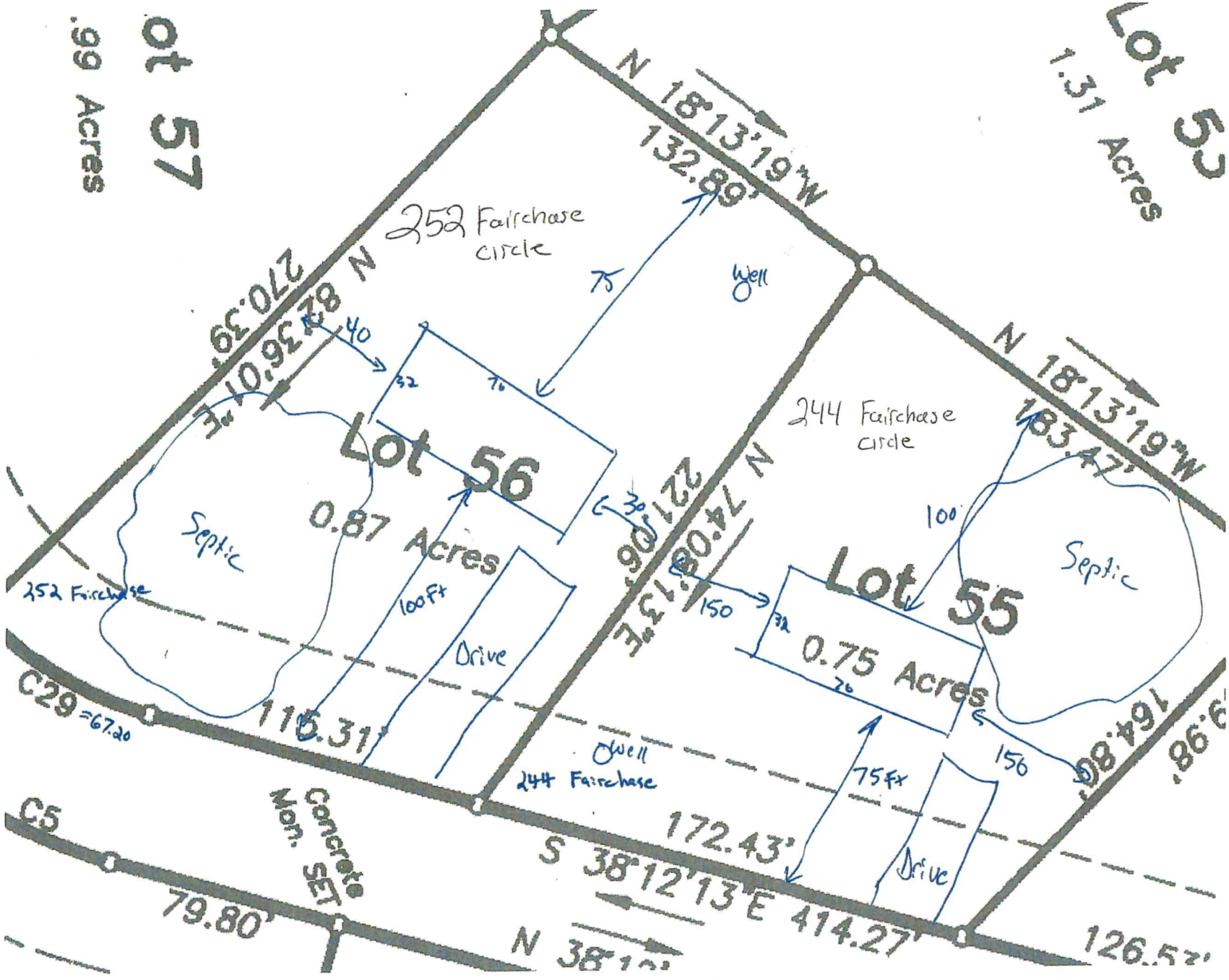
Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-206039	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	04/15/2024	04/15/2024 0:00	04/15/2024 0:00	04/15/2024 15:35	04/15/2024 15:35

Inspectors: Moore, Bradley (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-00029037	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00029037	$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		04/01/2024 10:35	04/01/2024 10:36
Confirm application complete v.1	Generic Action		04/01/2024 10:36
Fees v.1		04/12/2024 8:39	04/12/2024 8:39
Issue Invoice v.1	Generic Action		04/12/2024 8:39
Fees Paid v.1	Generic Action		04/12/2024 8:39
Zoning Review v.1		04/02/2024 8:51	04/12/2024 8:39
~~Floodplain Admin Overview v.1~~	Task		04/02/2024 8:51
Iredell County Zoning Approval v.1	Task	04/02/2024 8:51	04/02/2024 8:51
Issue Invoice v.1	Generic Action		04/02/2024 8:51
Fees Paid v.1	Generic Action		04/12/2024 8:39
Lot Readiness Verification v.1		04/15/2024 15:35	
OSWP Septic Preliminary Site Visit v.1	Inspection	04/15/2024 15:35	04/15/2024 15:35
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		


ot 57
.99 Acres
Lot 55
1.31 Acres
N 18°13'19"W
132.89'
252 Fairchase circle
Well
N 82°36'01"E
270.39'
40
32
76
Lot 56
0.87 Acres
Septic
252 Fairchase
100 Ft
Drive
115.31'
C29 =67.20
C5
79.80'
Concrete Mon. SET
N 38°12'13"W
221.06'
S 74°08'13"E
220.80'
244 Fairchase circle
N 18°13'19"W
183.47'
100'
Septic
Lot 55
0.75 Acres
32
76
150
156
75 Ft
Drive
Well
244 Fairchase
172.43'
S 38°12'13"E 414.27'
164.86'
126.52'

601 stillwater

