ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

CW MANF-2024-58521

PERMIT ; OSWP 2024-56543

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

PIN # 4705 -- 85 -- 4501

APPLICANT/OWNER: William R May | APPLICANT ADDRESS: 3348 Jennings Rd Union Grove NC 28689

SITE ADDRESS: 138 Zircon Dr. Statesville NC 28625 | PHONE: 704 902 4010 | ALT. PHONE

SITE DIRECTIONS: Lippard Farm Rd → R Stones Edge → R Zircon | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Stone Edge | SECTION: — | LOT # 102 | LOT AREA: 0.59 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.25

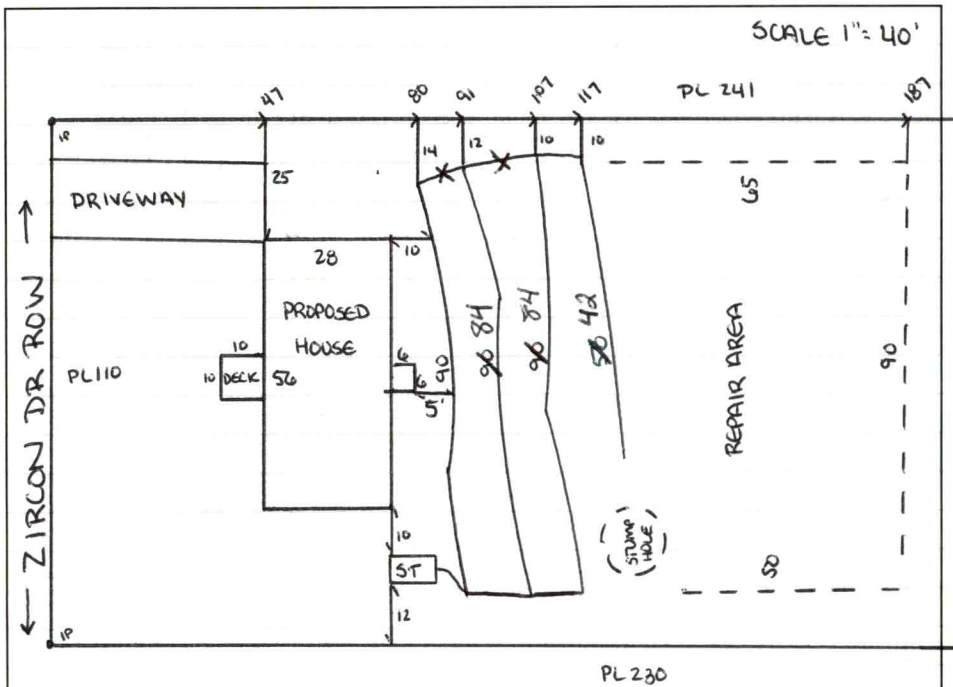
Septic Tank	1000	(gal)	STB	760	Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	3	Water Supply
Pump Tank		(gal)	PT		Date		System Description:	Gravity 25% Reduction			☐ Business	No. Persons	6	☐ Private
Pump Make		Model			Serial #		Repair System Description:	Gravity 25% Reduction			☐ Other	No. Employees	—	☒ Public
# Nitrification Fields	1	# Lines	4		Linear Ft	300'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space		☐ Community
Trench Width	36	*Max. Trench Depth(Initial)	30"		*Max. Trench Depth(Repair)	19"	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): 48" | Usable Depth to LC (Repair): 37" | *Limiting Condition*

Comments / Conditions: Install on contour utilizing serial distribution. Coxie deck ONLY on back of home. Keep out of stump hole in Pit 2. Do not disturb septic area by grading, etc.

Extra footage shown. Install 300' only.

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.*

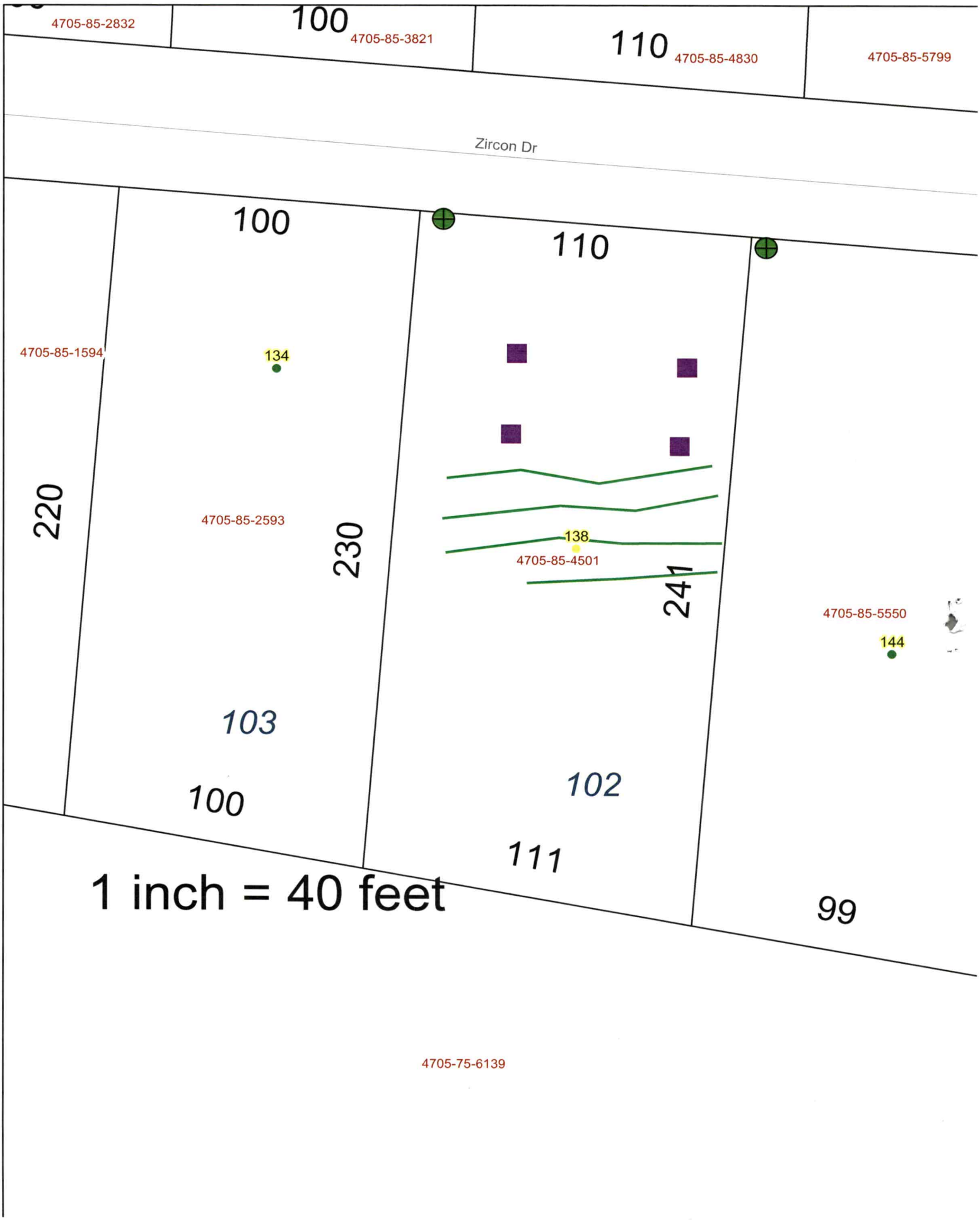
Owner / Applicant Signature: ONLINE | Date: — | Installed by: Al Backhoe Coy Hill

IMPROVEMENT PERMIT by: Sarah Williams | Date: 7/23/2024 | OPERATION PERMIT by: | Date: 10/30/24

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 7/23/2024 | 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? _____	


4705-85-2832
100
4705-85-3821
110
4705-85-4830
4705-85-5799
Zircon Dr
100
110
4705-85-1594
134
220
4705-85-2593
230
138
4705-85-4501
241
4705-85-5550
144
103
102
100
111
99
1 inch = 40 feet
4705-75-6139

PERMIT SNAPSHOT REPORT OSWP-2024-56543 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/27/2024
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:**	Bracken, Sarah	**Approval Expire Date:**	
Description:	New Septic and Auth to Construct - NEEDS COMPREHENSIVE REDRAW				

Parcel: 4705854501.000 Main	**Address:** 138 Zircon Dr Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent	Property Owner	Applicant/Authorized Agent
CHRISTIE FOSTER - MAY	1ST CHOICE HOUSING INC	William R May
Mobile: (336) 566-1118	119 Beechnut Ln	3348 Jennings Road
	Statesville, NC 28625	Union Grove, NC 28689
	Business: (704) 682-3848	Mobile: (704) 902-4010

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	New Double Wide Mobile Home
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	Other Public Water	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, Improvement Permit with Site Plan
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_William_May_6/27/2024.jpg	06/27/2024 14:40	May, William		Uploaded via CSS
Floor Plan 138 Zircon_v1.pdf	06/28/2024 8:24	May, William	Available Online	
Septic 138 Zircon_v1.pdf	06/28/2024 8:24	May, William	Available Online	
Site Plan 138 Zircon_v1.pdf	06/28/2024 8:24	May, William	Available Online	
138 ZIRCON DR AUTHORIZE AI OWNER.pdf	07/02/2024 16:48	COMEAUX, DEBRA	Available Online	AUTHORIZE AN OWNER

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-230293	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	07/11/2024	07/11/2024 0:00	07/11/2024 0:00	07/11/2024 14:11	07/11/2024 14:11

Inspectors: Mravetz, Peter (Primary)

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

PERMIT SNAPSHOT REPORT (OSWP-2024-56543)

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00032889	Comprehensive Gravity System Re-layout	$500.00	$500.00
	Total for Invoice INV-00032889	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		07/02/2024 16:46	07/02/2024 16:46
Confirm application complete v.1	Generic Action		07/02/2024 16:46
~~**Zoning Review v.1**~~			07/02/2024 16:46
~~Floodplain Admin Overview v.1~~	Task		07/02/2024 16:46
~~Issue Invoice v.1~~	Generic Action		07/02/2024 16:46
~~Fees Paid v.1~~	Generic Action		07/02/2024 16:46
Fees v.1			07/11/2024 14:09
Issue Invoice v.1	Generic Action		07/02/2024 16:46
Fees Paid v.1	Generic Action		07/02/2024 16:46
~~**Fees v.2**~~		07/11/2024 14:08	07/11/2024 14:09
~~Issue Invoice v.1~~	Generic Action	07/11/2024 14:08	07/11/2024 14:09
~~Fees Paid v.1~~	Generic Action	07/11/2024 14:08	07/11/2024 14:09
Lot Readiness Verification v.1			
~~OSWP Septic Preliminary Site Visit v.1~~	Inspection		07/02/2024 16:46
~~OSWP Site Evaluation v.1~~	Inspection		07/02/2024 16:46
Lot Readiness Verification v.2		07/11/2024 14:10	
OSWP Septic Preliminary Site Visit v.1	Inspection	07/11/2024 14:10	07/11/2024 14:11
OSWP Site Evaluation v.1	Inspection	07/11/2024 14:10	
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		

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

PROPERTY ID #: 4705-85-4501
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: William May DATE EVALUATED: 7/19/2024
ADDRESS: 3348 Jennings Rd Union Grove NC 28689
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 0.594
LOCATION OF SITE: 138 Zircon Dr Statesville NC 28625 PROPERTY RECORDED: Y
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 10'
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 15-17%	0-5	CL SBK	SS SP SE FR	few mica in CL few LITHO INCL 34"+	(51)		—	S 0.3	6"
		5-37	C ABK	↓						
		37-51	CL ABK							
2	LS 15-17%	0-11	FILL DIST	—	Heavy MICAH THROUGHOUT few LITHO in CL	(54)		—	S 0.3	6"
		11-30	C ABK	SS SP SE FR						
		30-54	CL WABK	SS SP SE FR						
		* FILL TO 30" on other side of pit. Old stump hole AVOID AREA*								
3	LS 15-17%	0-31	C SABK	S P SE FR	few LITHO in CL	(52)		—	S 0.275	6"
		31-52	CL ABK	SS SP SE FR						
4	LS 15-17%	0-27	C SABK	SS SP SE FR	10YR 6/2 @ 37"+	(48)		—	S 0.25 ABOVE 37"	6"
		27-39	CL ABK	SS SP SE FR	10YR 6/3 @ 35"+					
		39-48	SCL WABK	S P SE FI	YB beginning @ 35"					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	300'	360'
System Type(s)	Gravity 25%	Gravity 25%
Site LTAR	0.3	0.25
Maximum Trench Depth	30"	30"

SITE CLASSIFICATION (.0509): S 0.3 / 0.25
EVALUATED BY: S. Williams
OTHER(S) PRESENT: —

Comments:

46 66 75 54 64 50 66

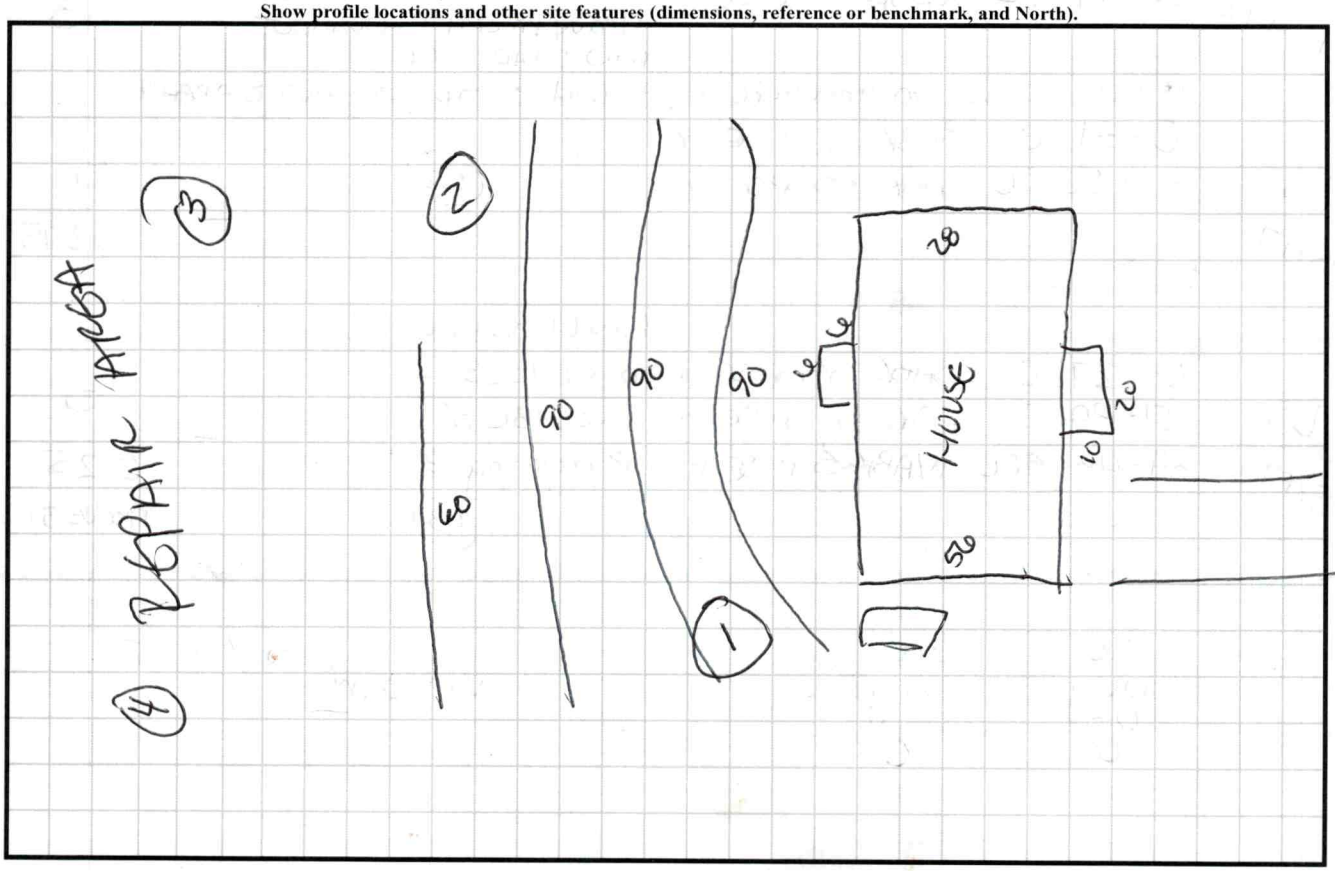
LEGEND

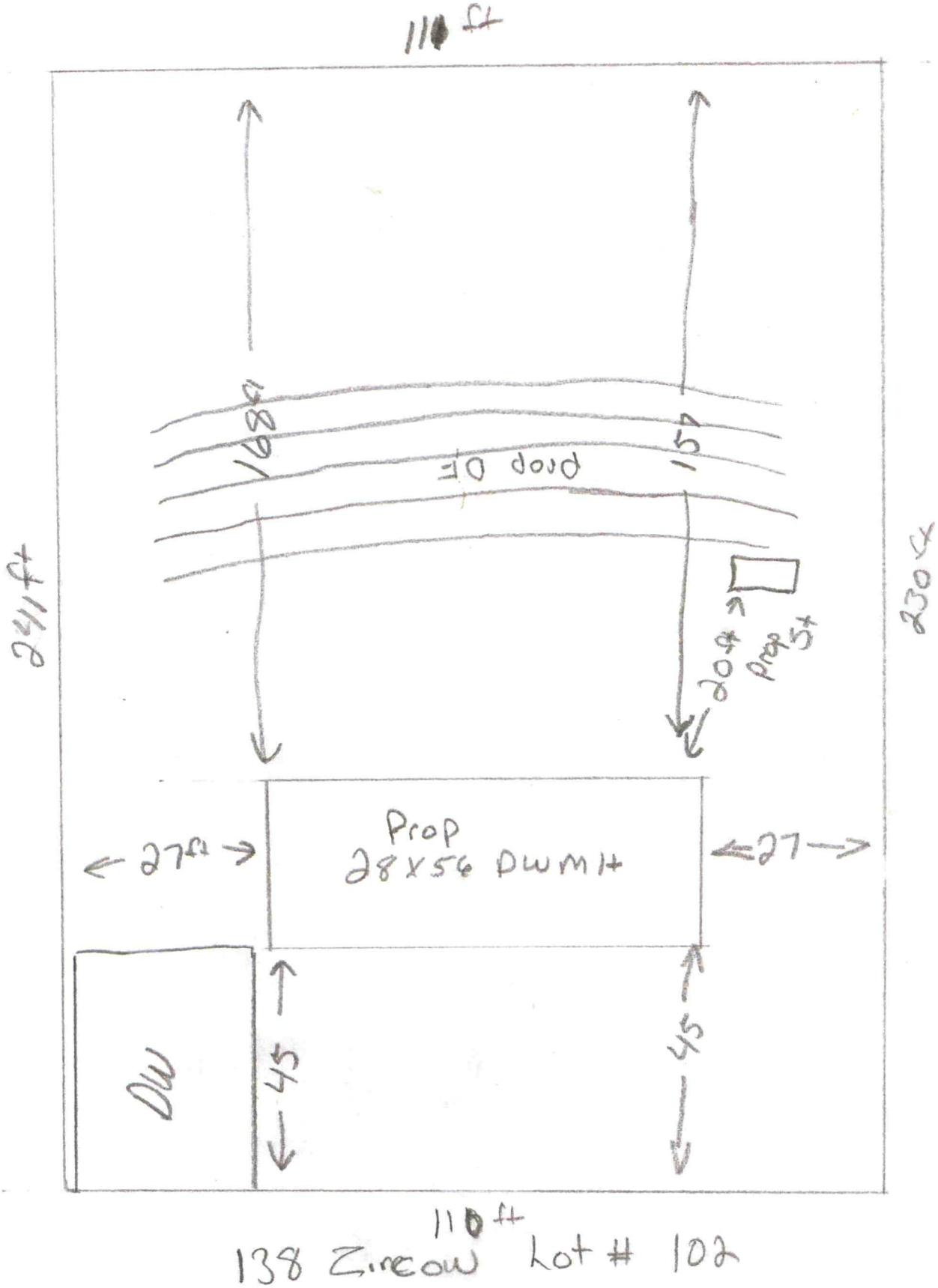
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).





138 Zircon Lot # 102