ICHD - ENVIRONMENTAL HEALTH DIVISION

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

CW BLDR-2023-25132

PERMIT # 2023-25131

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

PIN # 3793 -- 64 -- 6444

APPLICANT/OWNER: Hyde Homes LLC

APPLICANT ADDRESS: 387 Woodbridge Rd, Statesville, NC 28625

SITE ADDRESS: 595 Mock Mill Rd, Statesville, NC 28677

PHONE: (704)201-9935 ALT. PHONE –

SITE DIRECTIONS: I-40 exit 144, (R) Old Mountain, (L) Old, (R) Beulah

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: –

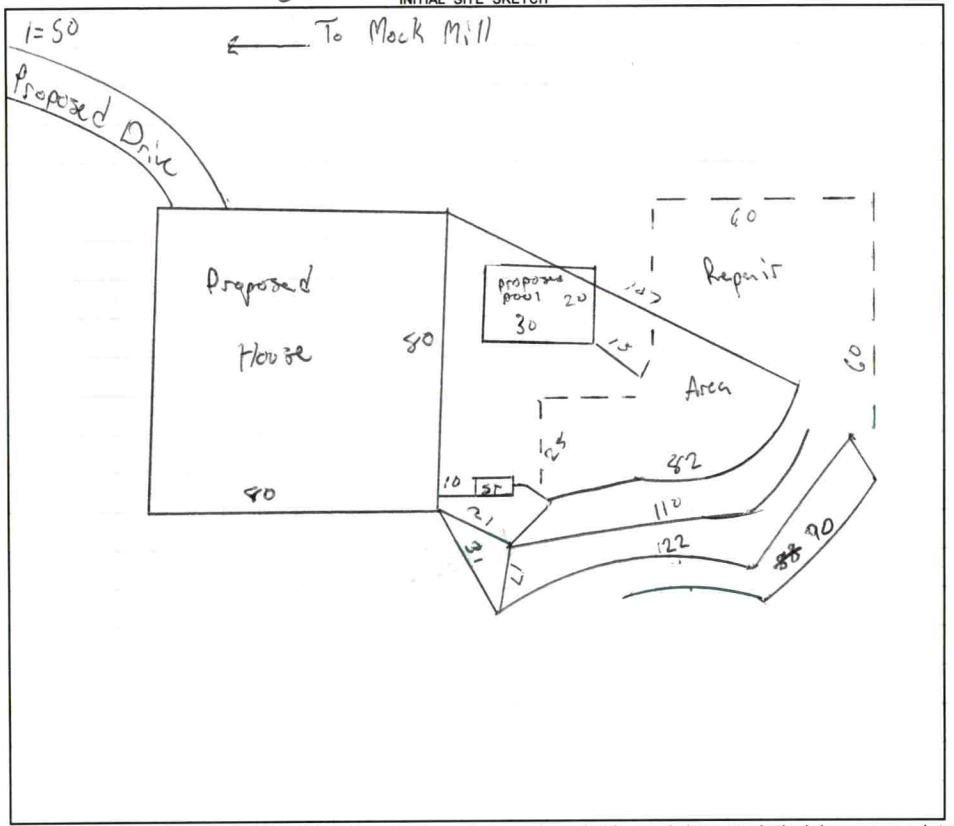
SECTION: – LOT # – LOT AREA: 41.5 Ac

DESIGN FLOW: 480 L.T.A.R.: .3

Septic Tank	1000	(gal)	STB	760	Date	9-16-2023	☑ 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 - Serial	☐ Business	No. Persons	8	☑ Private
Pump Make			Model		Serial #		Repair System Description:	25% Reduction - PM	☐ Other	No. Employees		☐ Public
# Nitrification Fields	1		# Lines	4	Linear Ft	400	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☑ Crawl Space		☐ Community
Trench Width	36in		Trench Bottom Depth(Low side)	22in	Gravel Depth	N/A	☑ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Install on contour with 4ft on center. Do not drive, park or construct on septic areas. Pool was not staked during layout but was discussed. If septic area can not be determined call (704)902-4484

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

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: WILLIAMS EXCAVATION

IMPROVEMENT PERMIT by: Matt Wilk Date: 6/2/23 OPERATION PERMIT by: Benjamin C. White Date: 11-14-2023

AUTHORIZATION TO CONSTRUCT by: Matt Wilk Date: 6/2/23 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 #: 3793646444
COUNTY: Iredell

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

OWNER: Hyde Homes LLC — APPLICATION DATE 5/15/23
ADDRESS: 387 Woodbridge — DATE EVALUATED: 5/30/23
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 41.5 Ac
LOCATION OF SITE: 695 Mock Mill — 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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 6%	0-26	C / SBK	SS SP FR SE	-	46	Sap inclusions in CL with LW/O		PS .3
		26-48	CL / SBK ABK	SS SP FR SE					
2	LS 8%	0-6	SCL / Disturbed		-	51	Sap inclusions with rock begin at 22		PS .3
		6-24	C / SBK	SS SP FR SE					
		24-51	CL / SBK	SS SP FI SE					
3	LS 4%	0-22	C / SBR	SS SP FR SE	-	48	Sap inclusion 26+	Hit rock at 48	PS .3 shallow
		22-48	CL / SBK	SS SP FI SE					
4	LS 8%	0-20	C / SBR	SS SP FR SE	-	48	Sap inclusion at 2° with Rock	Hitho thought CL	PS .3
		20-48	CL / ABK	SS SP FI SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	480	480
System Type(s)	25%	25%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew W
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.

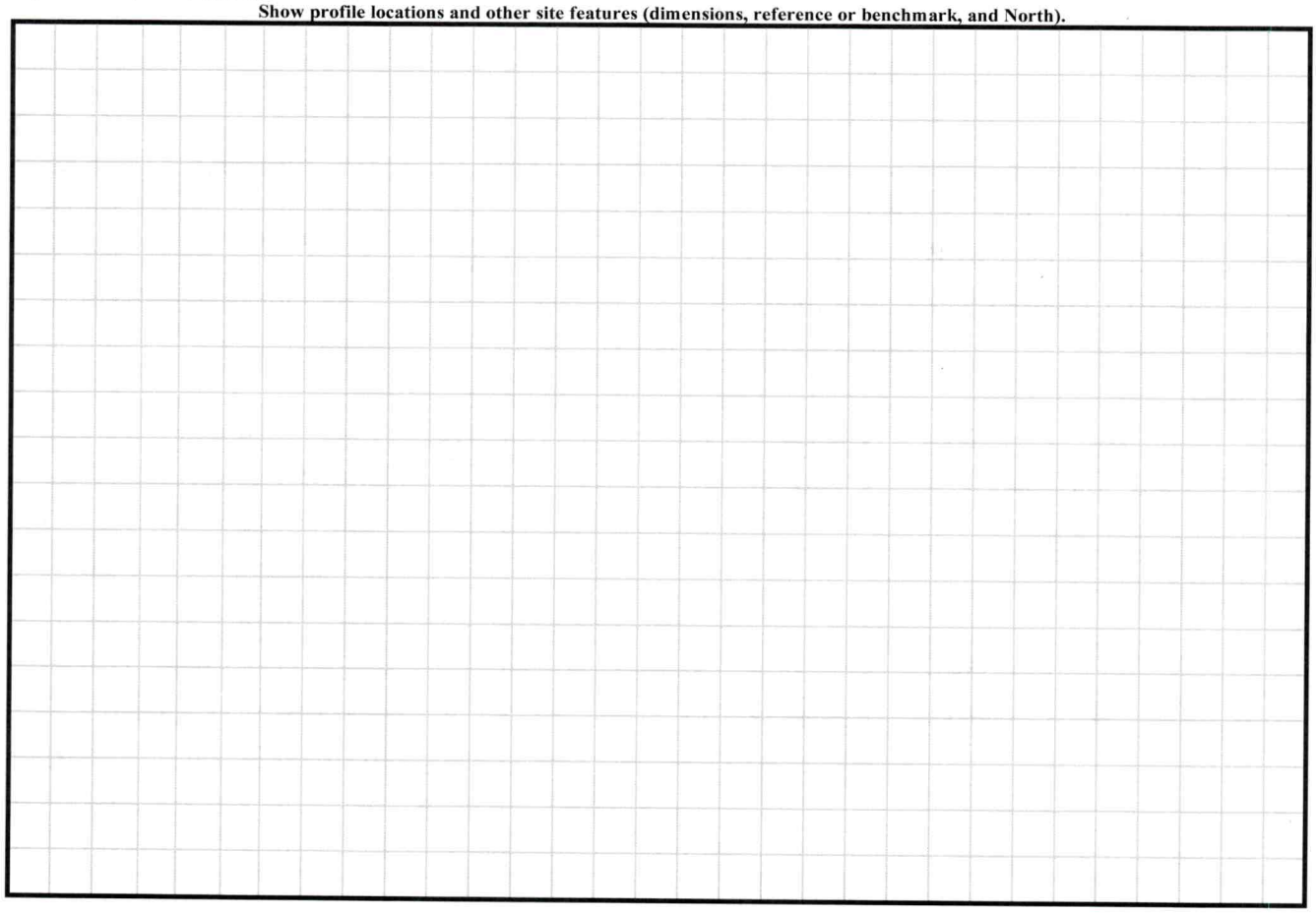
NOTES

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

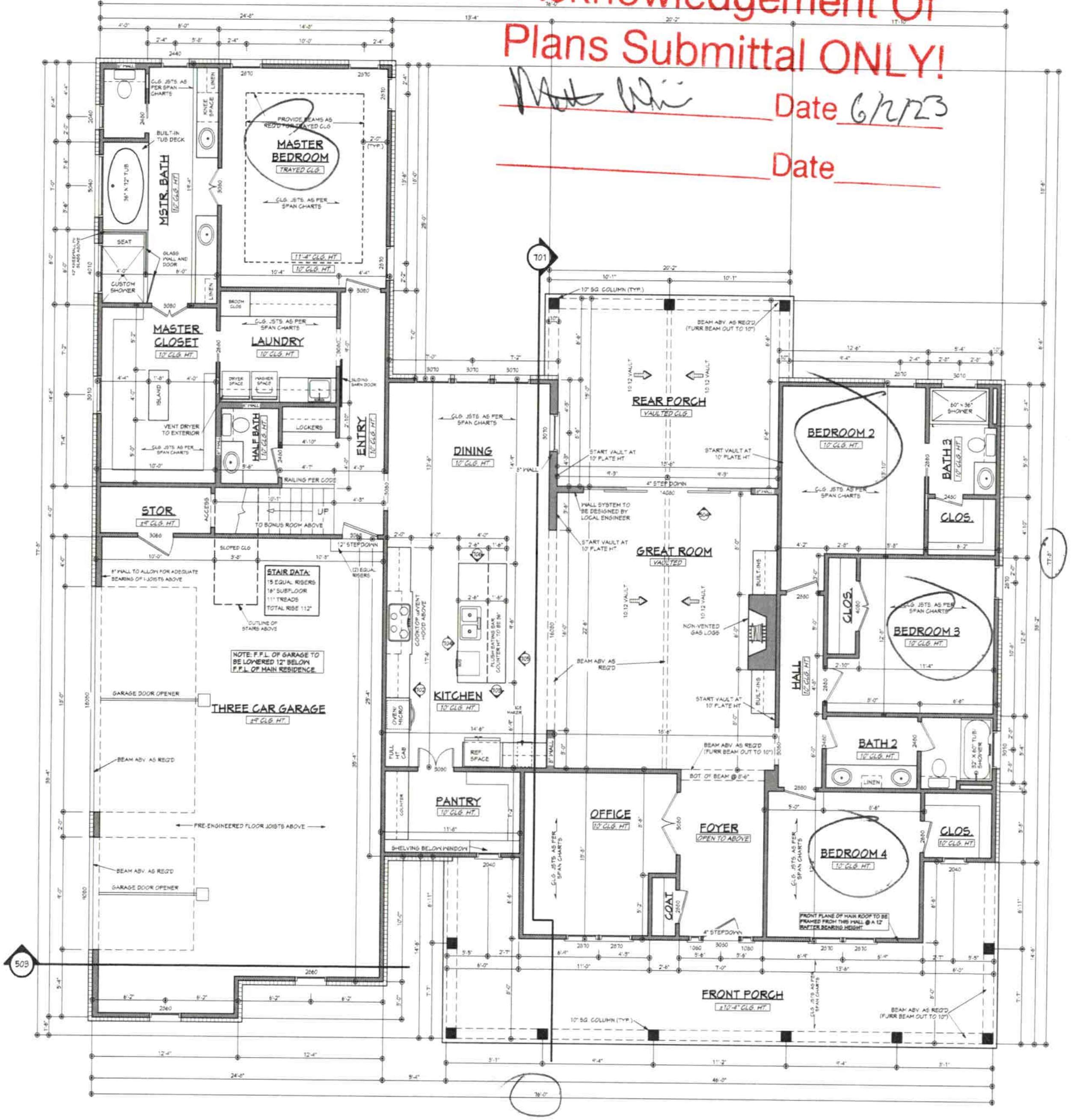
Show profile locations and other site features (dimensions, reference or benchmark, and North).



Acknowledgement Of Plans Submittal ONLY!

Date 6/2/23

Date



FLOOR PLAN NOTES: (2018 IRC)

1. ALL DIMENSIONS & SITE CONDITIONS TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
2. ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE FACE OF THE STUD AND DO NOT INCLUDE EXTERIOR FINISHES SUCH AS SIDING, BRICK, STUCCO, ETC.
3. ALL FINISHES (INTERIOR & EXTERIOR) TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
4. VERIFY ALL DOOR AND WINDOW STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION. MANUFACTURER TO SUPPLY ALL ROUGH OPENING SIZES.
5. CONTRACTOR TO VERIFY ALL CLEARANCES OF ALL DOORS, WINDOWS AND OTHER ITEMS THAT ARE CRITICAL, PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL APPLICABLE CODES AT SITE.
7. ALL BEAMS TO BE SIZED BY A LICENSED STRUCTURAL ENGINEER.
8. PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY SHALL HAVE GUARDS NOT LESS THAN 36 INCHES IN HEIGHT. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED VERTICALLY FROM THE NOSING OF THE TREADS. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD. IRC 2018, R312.1.1 & R312.1.2
9. M1305.1.2 APPLIANCES IN ATTICS. ATTICS CONTAINING APPLIANCES SHALL BE PROVIDED WITH AN OPENING AND A CLEAR AND UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE, BUT NOT LESS THAN 30 INCHES HIGH AND 22 INCHES WIDE AND NOT MORE THAN 20 FEET LONG MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY FROM THE OPENING TO THE APPLIANCE. THE PASSAGEWAY SHALL HAVE CONTINUOUS SOLID FLOORING IN ACCORDANCE WITH CHAPTER 5 NOT LESS THAN 24 INCHES WIDE. A LEVEL SERVICE SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PRESENT ALONG ALL SIDES OF THE APPLIANCE WHERE ACCESS IS REQUIRED. THE CLEAR ACCESS OPENING DIMENSIONS SHALL BE A MINIMUM OF 20 INCHES BY 30 INCHES, AND LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE. EXCEPTIONS: (A) THE PASSAGEWAY AND LEVEL SERVICE SPACE ARE NOT REQUIRED WHERE THE APPLIANCE CAN BE SERVICED AND REMOVED THROUGH THE REQUIRED OPENING. (B) WHERE THE PASSAGEWAY IS UNOBSTRUCTED AND NOT LESS THAN 6 FEET HIGH AND 22 INCHES WIDE FOR ITS ENTIRE LENGTH, THE PASSAGEWAY SHALL BE NOT MORE THAN 50 FEET LONG.
10. APPLIANCE ACCESS FOR INSPECTION SERVICE, REPAIR AND REPLACEMENT. APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE APPLIANCE BEING INSPECTED, SERVICED, REPAIRED OR REPLACED. A LEVEL WORKING SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PROVIDED IN FRONT OF THE CONTROL SIDE TO SERVICE AN APPLIANCE. M1305.1.1
11. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE. WINDOW OPENING CONTROL DEVICES COMPLYING WITH ASTM F 2090 SHALL BE PERMITTED FOR USE ON WINDOWS SERVING AS A REQUIRED EMERGENCY ESCAPE AND RESCUE OPENING. ALL SLEEPING ROOMS TO HAVE AN EXTERIOR ACCESS THROUGH A DOOR OR WINDOW WITH A MINIMUM OF 5.7 SQUARE FEET NET CLEAR OPENING AS PER IRC 2018 R310.2.1. EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET. MAXIMUM SILL HEIGHT TO BE 44 INCHES. MINIMUM NET CLEAR OPENING HEIGHT TO BE 24 INCHES. MINIMUM NET CLEAR OPENING WIDTH TO BE 20 INCHES.
12. ALL RETURN AIR GRILLS ARE TO BE LOCATED TO COMPLY WITH SECTION M1602 OF THE IRC 2018.
13. ALL SQUARE FOOTAGE MEASUREMENTS ARE APPROXIMATE AND MAY DIFFER FROM ACTUAL CONSTRUCTED RESIDENCE OR BUILDING. FOOTAGES SHOWN ARE TO THE OUTSIDE OF THE STUDWALL AND DO NOT INCLUDE THE EXTERIOR FINISH MATERIAL SUCH AS SIDING, BRICK, STONE ETC.
14. FIRE SPRINKLER SYSTEM TO BE DESIGNED AND INSTALLED (IF REQUIRED BY LOCAL CODES) AS PER THE IRC 2018 AND BY A LICENSED PROFESSIONAL IN THE AREA OF CONSTRUCTION.
15. ALL BATHROOM EXHAUST VENTS SHALL BE VENTED DIRECTLY TO THE EXTERIOR OF THE HOME AND NOT INTO THE ATTIC. IRC 2018, M1505.2

NOTE: CONTRACTOR TO LOCATE HVAC UNITS AND WATER HEATER AT SITE.

BB-2926 MAIN FLOOR PLAN

SCALE: 1/4" = 1'-0"

AREAS:	
2926	S.F. HEATED - FIRST FLOOR
606	S.F. UNHEATED - BONUS ROOM FLOOR
288	S.F. UNHEATED - REAR PORCH
900	S.F. UNHEATED - GARAGE
39	S.F. UNHEATED - STORAGE
446	S.F. UNHEATED - FRONT PORCH
2279	S.F. UNHEATED - TOTAL
5205	S.F. TOTAL UNDER ROOF

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N·C·B·D·C
NATIONAL COUNCIL OF BUILDING DESIGNER CERTIFICATION
JONATHAN L. BOONE
CERTIFICATION NO. 25-137

Pre-Drawn Plan ID:
BB-2926

Date: 07.25.18
Drawn By: J.A.B.
Project Name:

SHEET NUMBER 3

3793-64-6444

PERMIT SNAPSHOT REPORT OSWP-2023-25131 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Description: IP / AC NEEDED 4 bedroom - 3 1/2 bathroom home

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wilkinson, Matthew

App Date: 05/15/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 3793646444.000 Main
Address: 595 Mock Mill Rd Main
Statesville, NC 28677
Zone: RA(Residential Agricultural District)

Property Owner
ANDREA C+MATTHEW W WURZER

Applicant/Authorized Agent
Hyde Homes, LLC
387 Woodbridge Rd 129
WHISPER PINE RD.
Statesville, NC 28625
Business: (704) 201-9935

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	77'-8"x79'-0"
What are the proposed structures	New Single Family Residence	Maximum Number of Bedrooms	4	If other Addition/Structure, please explain	4 bedroom house with bonus room
Number of Occupants	8	Foundation Type	Crawl Space Foundation	Water Supply	New Well
Desired Septic System Type	Conventional (most common)	Lot Acreage	41.5	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	May 15 2023 12:00AM	Zoning Permit Expiration Date	Nov 11 2023 12:00AM	Additional Unique Setbacks Apply	No
Watershed	WSIV PA COOLEMMEE				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Joseph_Hyde_5/15/2023.jpg	05/15/2023 8:06	Hyde, Joseph		Uploaded via CSS
Documentation to autorize_v1.pdf	05/15/2023 9:58	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent
Land Survey_v1.pdf	05/15/2023 9:58	COMEAUX, DEBRA	Available Online	Additional Supporting Information
Site plan_v1.pdf	05/15/2023 9:58	COMEAUX, DEBRA	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-94225	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	05/19/2023	05/19/2023 0:00	05/19/2023 0:00	05/19/2023 13:39	05/19/2023 13:39

Inspectors: Holland, Sydney (Primary)

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

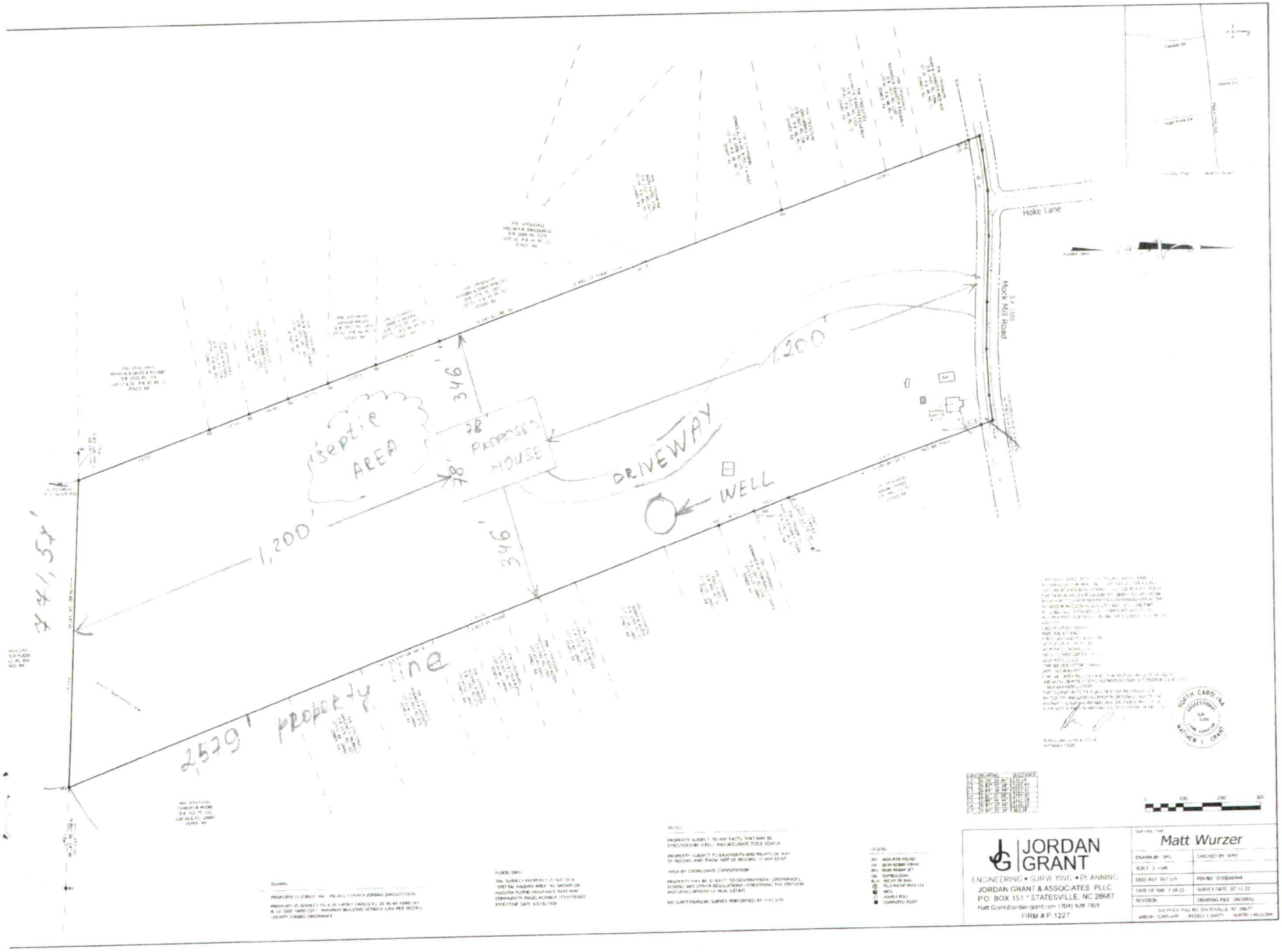
Linked Record Relationship	Module	Record Number	Linked Record Type	Linked Record Work Class
Parent	Permit	BLDR-2023-25132	Residential Building	New Single-Family Dwelling

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00014070	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00014070	$577.25	$577.25

PERMIT SNAPSHOT REPORT (OSWP-2023-25131)

	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		05/15/2023 10:09	05/15/2023 10:09
Confirm application complete v.1	Generic Action		05/15/2023 10:09
Fees v.1		05/17/2023 8:18	05/17/2023 8:19
Issue Invoice v.1	Generic Action		05/17/2023 8:19
Fees Paid v.1	Generic Action		05/17/2023 8:19
Zoning Review v.1		05/18/2023 9:51	05/18/2023 9:52
~~Floodplain Admin Overview v.1~~	Task		05/18/2023 9:51
Iredell County Zoning Approval v.1	Task	05/18/2023 9:51	05/18/2023 9:52
Issue Invoice v.1	Generic Action		05/18/2023 9:52
Fees Paid v.1	Generic Action		05/18/2023 9:52
Lot Readiness Verification v.1		05/19/2023 13:39	
OSWP Septic Preliminary Site Visit v.1	Inspection	05/19/2023 13:39	05/19/2023 13:39
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		


Hoke Lane
Mork Mill Road
S.R. 1001
1,200'
346'
SEPTIC AREA
28' PROPOSED HOUSE
DRIVEWAY
WELL
346'
1,200'
2579' PROPERTY LINE
N 41° 54' E
JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, P.L.L.C.
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