ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 2023-38008

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

PIN # 4852 -- 09 -- 1635

APPLICANT/OWNER: Chad Gilreath APPLICANT ADDRESS: 175 Fork in the Road, Harmony

SITE ADDRESS: 11168 Sloans Mill Rd, Union Grove 28689 PHONE: 704-838-9784 ALT. PHONE 980-522-3737

SITE DIRECTIONS: 901 - Sloans Mill SAP CONTROLLED: ☐ YES ☒ NO

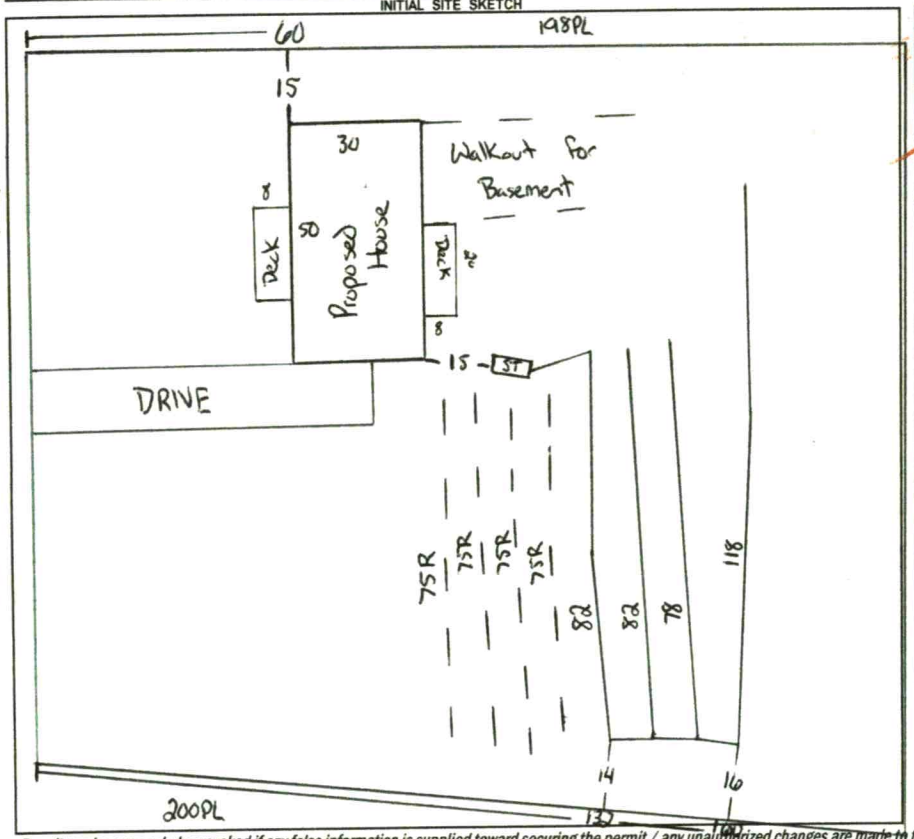
SUBDIVISION: Wooten SECTION: - LOT # 130-136 LOT AREA: 0.703 acres DESIGN FLOW: 360 gpd L.T.A.R.: 0.25

Septic Tank	1000	(gal)	STB 760	Date	8-16-2024	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank		(gal)	PT	Date		System Description:	25% reduction			☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description:	50% reduction			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft	360'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space
Trench Width	36in	Trench Bottom Depth(Low side)	30 in	Gravel Depth	-		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☒ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

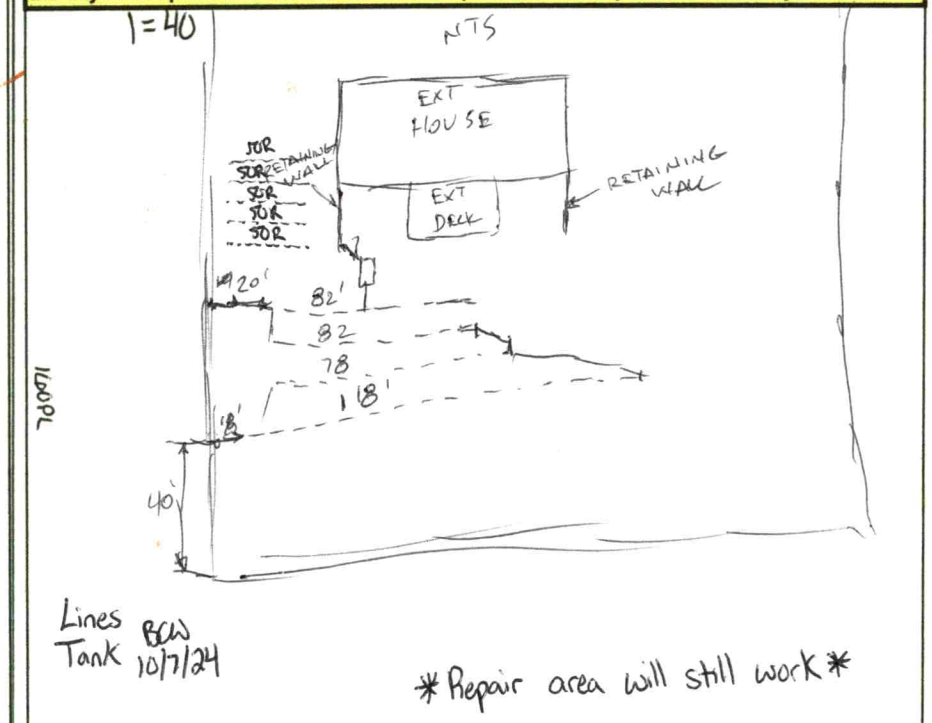
Comments / Conditions: Do not shallow up. Do not drive, park, or grade septic area. Utilize serial distribution.

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: PIEDMONT BACKHOE

IMPROVEMENT PERMIT by: Cory Hill Date: 2/15/24

OPERATION PERMIT by: Cory Hill Date: 10/08/24

AUTHORIZATION TO CONSTRUCT by: Cory Hill Date: 2/15/24

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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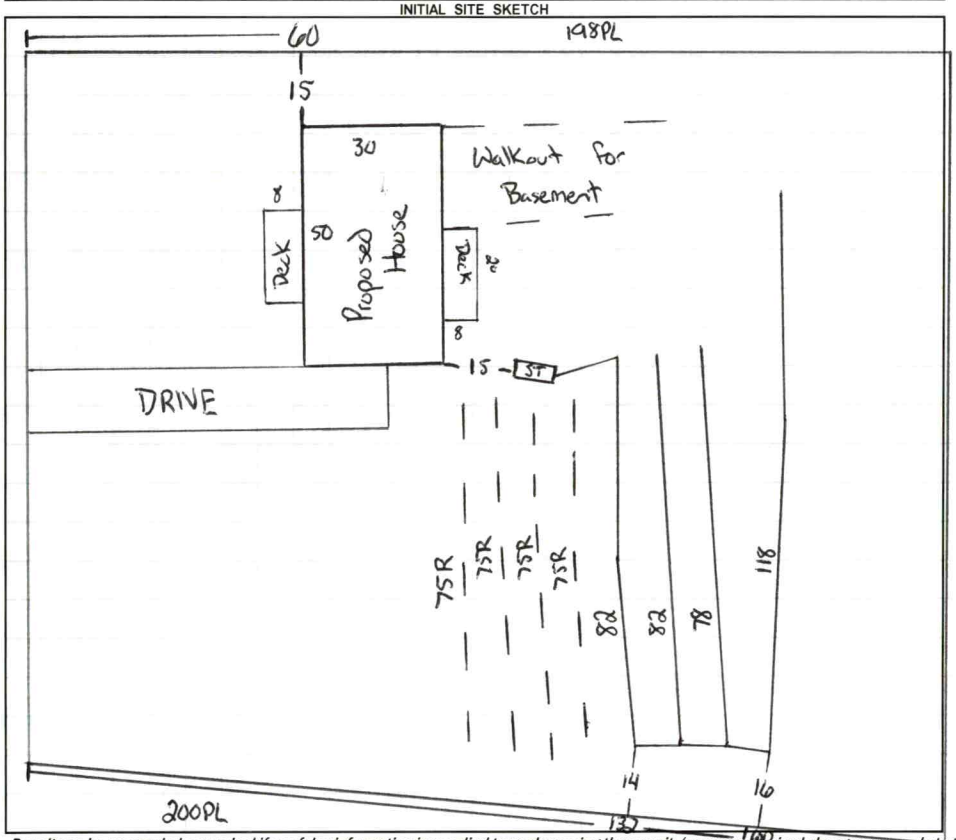
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Pump Tank		(gal)	PT		Date		System Description:	25% reduction			☐ Business	No. Persons	6
Pump Make		Model			Serial #		Repair System Description:	50% reduction			☐ Other	No. Employees	
# Nitrification Fields	1	# Lines	4		Linear Ft	360'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space	
Trench Width	36in	Trench Bottom Depth(Low side)		30 in	Gravel Depth	-		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☒ Basement w/o plumbing	

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AS BUILT SKETCH

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1=40

160PL

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Owner / Applicant Signature: Online Signature Date: Installed by:

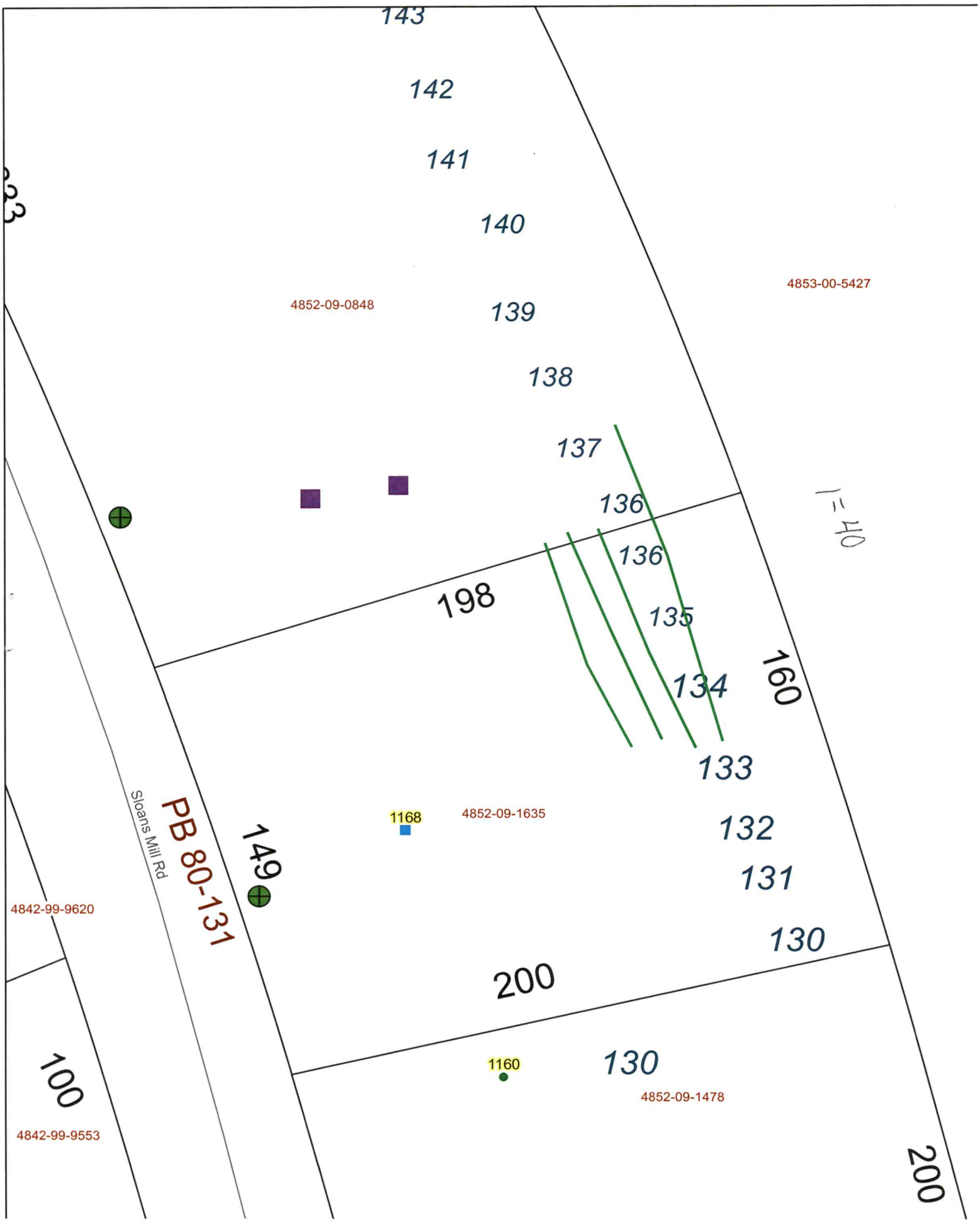
IMPROVEMENT PERMIT by: Cory Whitt Date: 2/15/24 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Cory Whitt Date: 2/15/24 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? _____	


143
142
141
140
139
138
137
136
136
135
134
133
132
131
130
130
4852-09-0848
4853-00-5427
4852-09-1635
1168
1160
4852-09-1478
4842-99-9620
4842-99-9553
198
200
160
149
100
200
PB 80-131
Sloans Mill Rd
1" = 40'

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

Sheet 1 of 1
PROPERTY ID #: 4852091635
COUNTY: Iredell

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

OWNER: Chad Gilreath
APPLICATION DATE 10/2/23
ADDRESS: 175 Fork in the Road, Harmony
DATE EVALUATED: 10/24/23
PROPOSED FACILITY: 3 bd/r home
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 0.703
LOCATION OF SITE: 1168 Sloans Mill Rd, Union Grove
PROPERTY RECORDED: yes
WATER SUPPLY: Private X Public Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X 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	Linear 8%	0 - 15	Fill		-	60	Few rock inc in C layer		.3 PS
		15 - 34	C ABK	SS SP FR SE					
		34 - 60	CL SBK	SS SP FR SE					
2	~~Linear~~ Foot ~~Rear~~ 9%	0 - 12	SC SBK	SS SP FR SE	10yr 6/5 at 40"+ -	48	-	-	.25 PS
		12 - 35	C ABK	SS SP FI SE					
		35 - 48	CL SBK	SS SP FI SE					
3	Linear 12%	0 - 10	SC SBK	SS SP FR SE	10yr 6/6 at 21"-28"	48	-	-	.25 PS
		10 - 30	C A BK	SS SP FR SE					
		30 - 48	CL SBK	SS SP FR SE					
4	Linear 10%	0 - 10	SC SBK	SS SP FR SE	10yr 6/5 at 24"-32"	48	-	-	.25 PS
		10 - 28	C ABK	SS SP FR SE					
		28 - 48	CL SBK	SS SP FR SE					

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

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
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

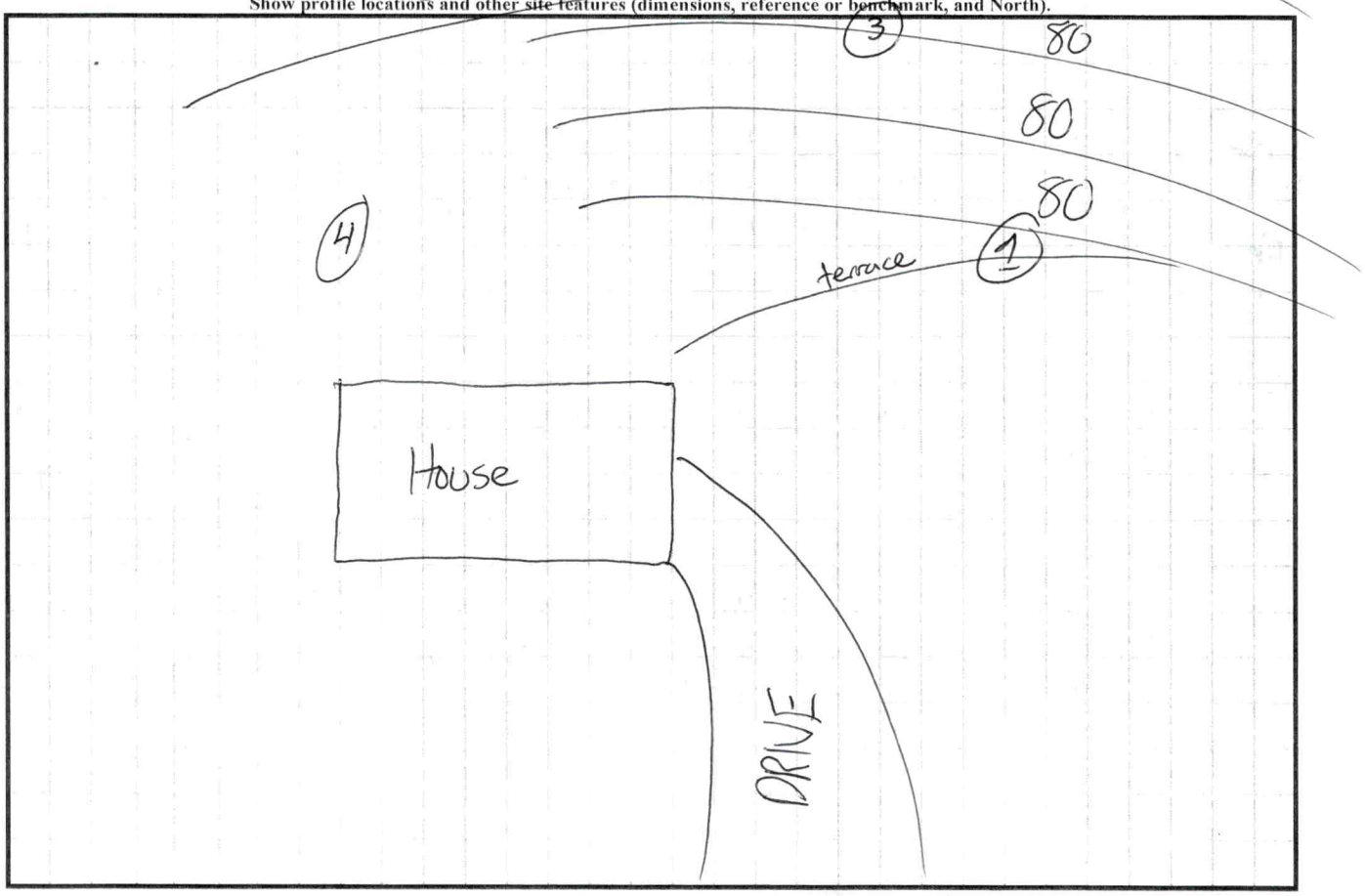
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches ~~from land surface~~ to soil colors with ~~chroma 2 or less~~ - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally ~~Suitable~~), or U (Unsuitable)

120

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).



PERMIT SNAPSHOT REPORT OSWP-2023-38008 FOR IREDELL COUNTY

Permit Type:	Environmental Health OSWP	**Project:**		**App Date:**	10/02/2023
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:**	Whicker, Cory	**Approval Expire Date:**	

Description: 10/11 No phone number, sent email. 10/17 Heather emailed site ready number for Chad in internal notes. GM 10/18 Met Chad at property site ready GM

Parcel: 4852091635.000 Main	**Address:** 1168 Sloans Mill Rd Main Union Grove, NC 28689	**Zone:** RA(Residential Agricultural District)

Property Owner	Project Contact	Applicant/Authorized Agent
Heather Cochran	Chad Gilreath	Heather Gilreath
Home: (980) 522-3737	Home: (704) 838-9784	175 Fork in the Road
Mobile: (980) 522-3737	Mobile: (704) 838-9784	Harmony, NC 28634

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	34.6' x 46'
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Basement with Plumbing
Residential/Business/Other	Residential	Number of Employees	2	Water Supply	Other Public Water
Desired Septic System Type	Conventional (most common)	Lot Acreage	0.703	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Oct 10 2023 12:00AM	Zoning Permit Expiration Date	Apr 7 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	Additional Unique Setbacks Apply	No
Watershed	NOT IN A WATERSHED				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Heather_Gilreath_10/2/2023.jpg	10/02/2023 12:08	Gilreath, Heather		Uploaded via CSS
new house authorization form - Signed_v1.pdf	10/02/2023 15:59	Nebel, Barbara	Available Online	Authorize to Act as Agent
New House Site Plan_v1.pdf	10/03/2023 11:44	Bailey, Julia	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-152856	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	10/18/2023	10/18/2023 0:00	10/18/2023 0:00	10/18/2023 16:57	10/18/2023 16:57

Inspectors: McLeod, Grace (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. 10/11 No phone number, sent email. GM	Grace McLeod	10/11/2023 8:53
2. 10/17 Heather emailed site ready. Number for Chad Gilreath 704-838-9784 GM	Grace McLeod	10/17/2023 12:47

PERMIT SNAPSHOT REPORT (OSWP-2023-38008)

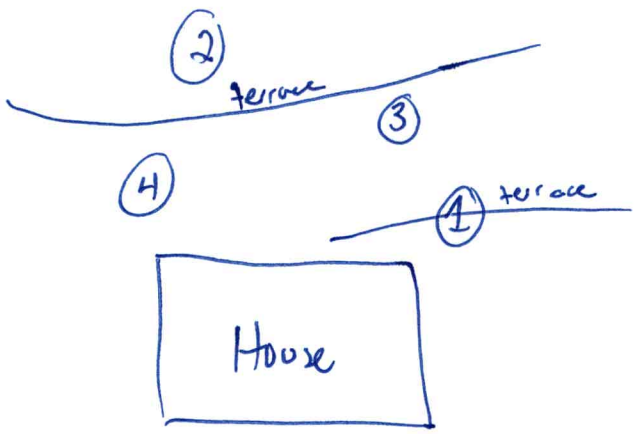
3. 10/18 Site ready. corners are in trees in the back. Front right corner is near 160 by big oak tree. GM.	Grace McLeod	10/18/2023	16:56

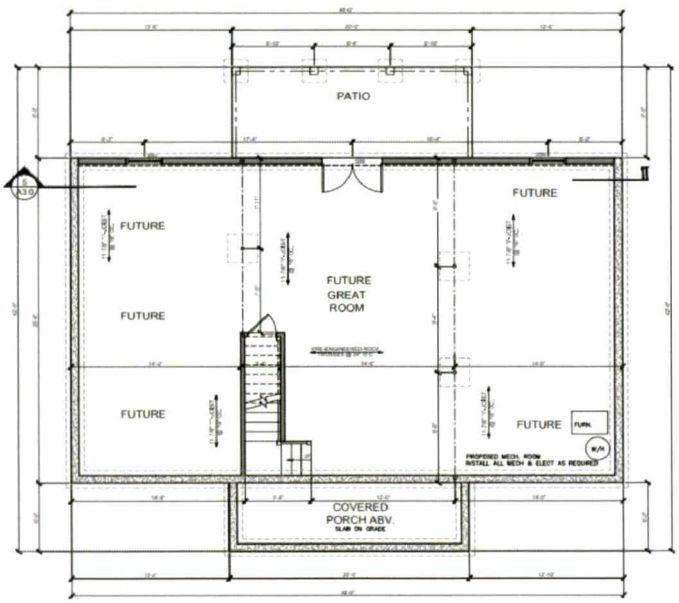
Invoice No.	Fee	Fee Amount	Amount Paid
INV-00021569	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00021569	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		10/02/2023 15:58	10/02/2023 15:59
Confirm application complete v.1	Generic Action		10/02/2023 15:59
Fees v.1		10/11/2023 8:41	10/11/2023 8:41
Issue Invoice v.1	Generic Action		10/11/2023 8:41
Fees Paid v.1	Generic Action		10/11/2023 8:41
Lot Readiness Verification v.1		10/18/2023 16:57	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/18/2023 16:57	10/18/2023 16:58
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		10/03/2023 11:45	10/10/2023 15:06
~~Floodplain Admin Overview v.1~~	Task		10/03/2023 11:45
Iredell County Zoning Approval v.1	Task	10/03/2023 11:45	10/10/2023 15:06
Issue Invoice v.1	Generic Action		10/03/2023 11:46
Fees Paid v.1	Generic Action		10/10/2023 15:06
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		

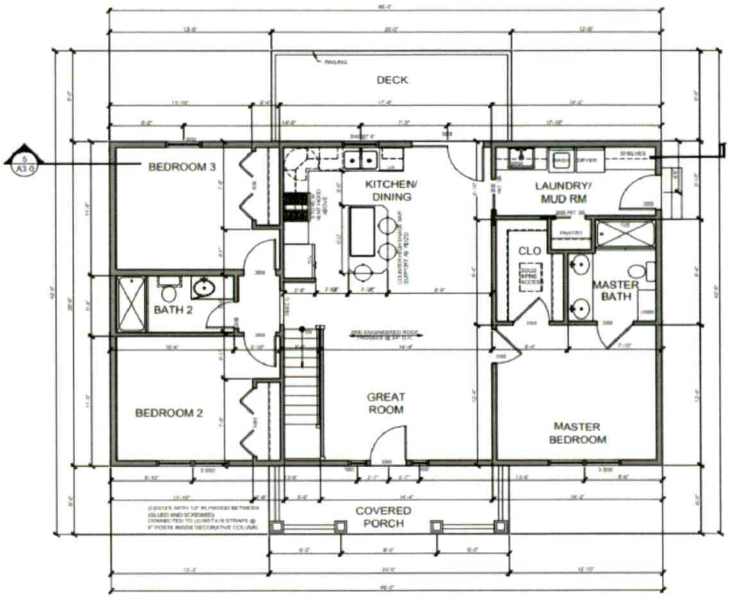
Sloans Mill Road
100'
Proposed Driveway
78'
46'-0"
65'
39'
Proposed House
28'-6"
28'-6"
46'-0'
Proposed Septic
Tank
92'
200'
197'
112'

1	0-15 Fill 15-34 C ABK SS SP FRSE 34-60 CL SBK SS SP FRSE		Few rock inc in C layer	.3 PS	at 36"
2	0-12 SC SBK 12-35 C ABK 35-48 CL SBK	 FI FI	Yellow/Browns at 40" 10yr 6/5	.25 PS	
3	0-10 SC SBK 10-30 C ABK 30-48 CL SBK		10yr 6/6 at 21"-28"	.25 PS	
4	0-10 SC SBK 10-28 C ABK 28-48 CL SBK		10yr 6/5 at 24"-32"	.25 PS	





1 / A1.0 BASEMENT FLOOR PLAN
SCALE:- 1/4" = 1'-0"



1 / A1.1 FIRST FLOOR PLAN
SCALE:- 1/4" = 1'-0"

AREA	
FIRST FLOOR LIVING	= 1311 SQ.FT
BASEMENT FLOOR	= 1275 SQ.FT
FRONT PORCH # 1	= 120 SQ.FT
REAR PATIO	= 160 SQ.FT
OPEN DECK	= 160 SQ.FT
TOTAL	= 3,026 SQ.FT