BLDR-2023-39995 BB 3

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT: OSWP 2024-49050

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

PIN # 4713-98-2035

APPLICANT/OWNER: Barton Building LLC | APPLICANT ADDRESS: 188 Sagemore Rd Mooresville 28117

SITE ADDRESS: 359 Bethlehem Rd. Statesville NC 28677 | PHONE: 704-453-1230 | ALT. PHONE —

SITE DIRECTIONS: Old Mnt. Rd - (L) Bethlehem - Lot on (R) | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: The Landings | SECTION: 1 | LOT #: 1 | LOT AREA: 0.51 | DESIGN FLOW: 360gpd | L.T.A.R.(Initial): .2 | L.T.A.R (Repair): .225

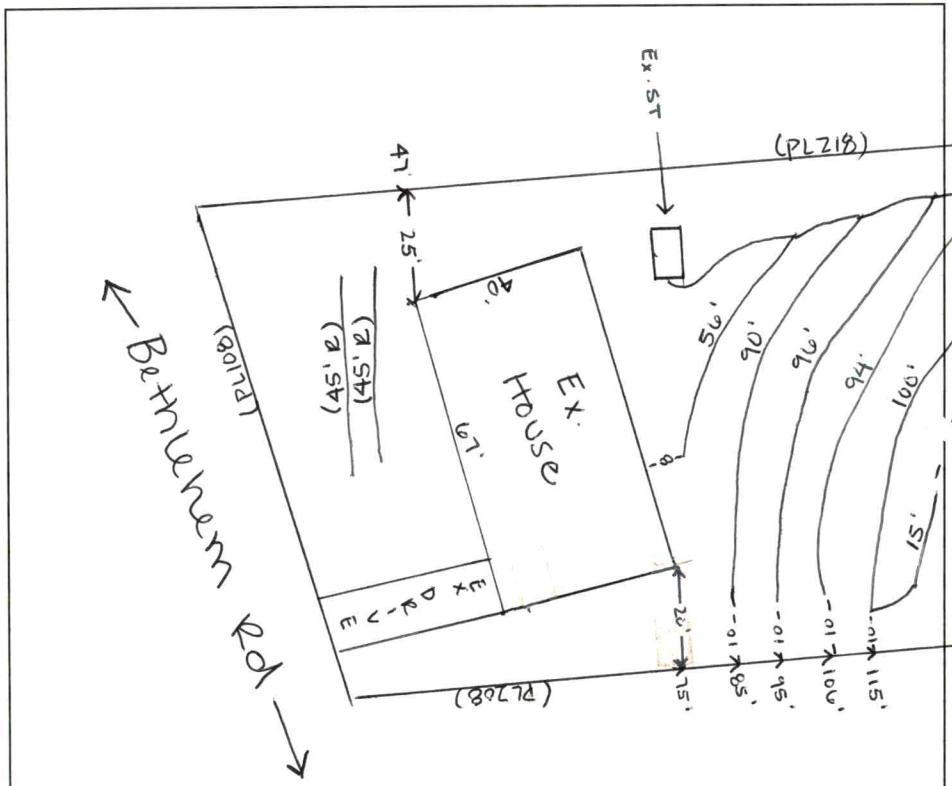
Septic Tank ~~1000~~ Ex (gal)	STB	Date	☑ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 3	Water Supply
Pump Tank (gal)	PT	Date	System Description: 25% Reduction		☐ Business	No. Persons 6	☐ Private
Pump Make	Model	Serial #	Repair System Description: 50% Reduction - LPPPBPS		☐ Other	No. Employees	☑ Public
# Nitrification Fields 1	# Lines 6	Linear Ft 450'	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	☐ Community
Trench Width 36"	*Max. Trench Depth(Initial) 15"	*Max. Trench Depth(Repair) 16"	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): 28" | Usable Depth to LC (Repair): 34" | *Limiting Condition*

Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield. Keep water line 10' from all parts of septic.

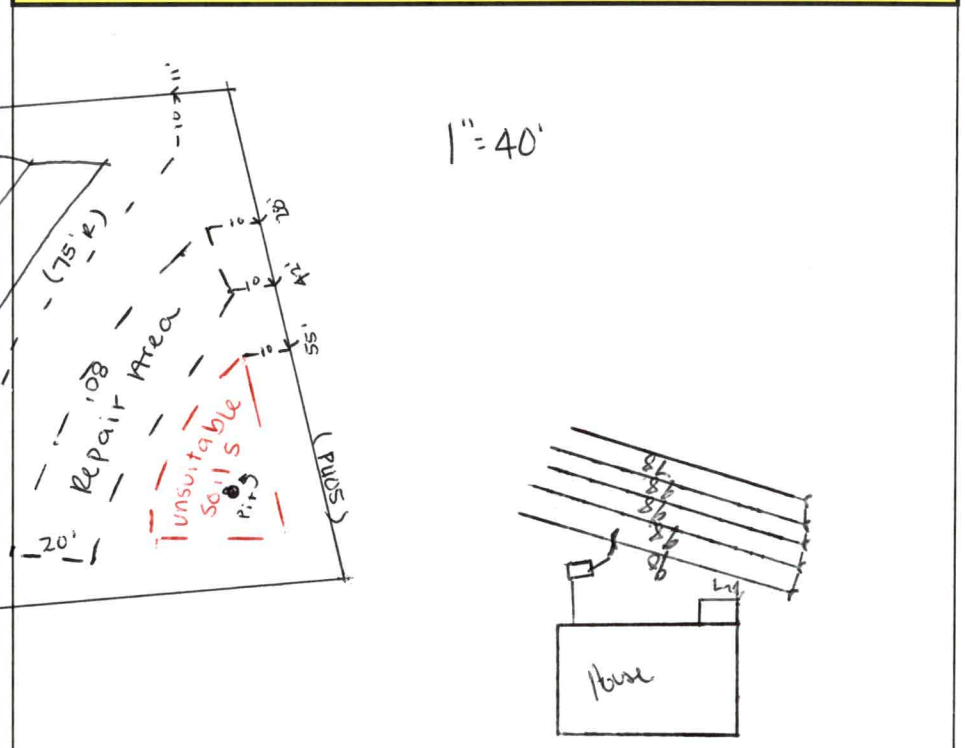
FCHD approved cover required, group 3 soils

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 | Date: — | Installed by: Williams Excavation

IMPROVEMENT PERMIT by: Sydney Holland | Date: 4/3/24 | OPERATION PERMIT by: Cory Wil | Date: 4/19/24

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 4/3/24 | 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? _____	

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

[Comprehensive Relayout For Repair]

PROPERTY ID #: 4713982035
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Bob Barton DATE EVALUATED: 4/2/24
ADDRESS: 188 Sagemore Rd Mooresville
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360gpd PROPERTY SIZE: 0.51
LOCATION OF SITE: ~~359~~ Bethlehem Rd, Statesville PROPERTY RECORDED: yes
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: —
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	Head 5-8%	0-10	SC-GR SBK		10YR 5/6 e21 10YR 6/4 e36+ Water @ 24"	36"			Repair PS .225 18" HPPBS	
		10-23	C SBK	S P						
		23-36	CL AB	S P						
2	~~Slope~~ Head 5-8%	0-7	SC GR-SBK		10YR 6/4 e20 Indiv H2O e22	34"			Repair PS .225	
		7-23	C WABK	S P						
		23-34	CL WABK	S P						
3		0-30	C ABK		10YR 5/2 e10+ Indiv H2O e14 Inches	—			US	
4	10%	0-20	Fill M		10YR 6/8 e32 Litho Ic 30+	55"			Repair PS .25	
		20-37	C SBK							
		37-55	CL SABK							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	450'	267'
System Type(s)	25%	50%
Site LTAR	.2	.225
Maximum Trench Depth	15"	

SITE CLASSIFICATION (.0509): P.S
EVALUATED BY: S. Holland
OTHER(S) PRESENT: B. Botkins

Comments: Site re-evaluated to find more repair area due to house shifting forward. Initial system did not change soil wise.

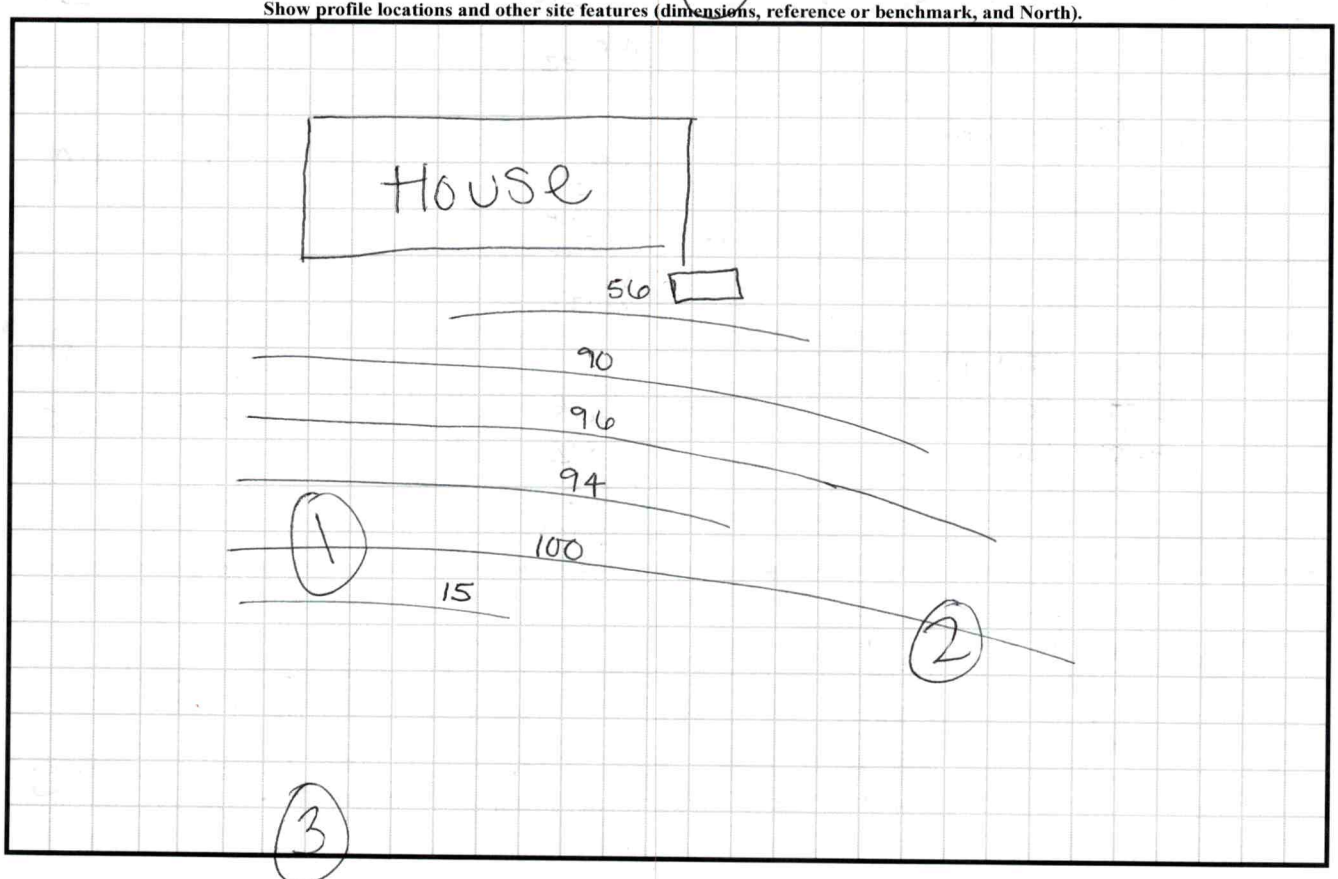
LEGEND

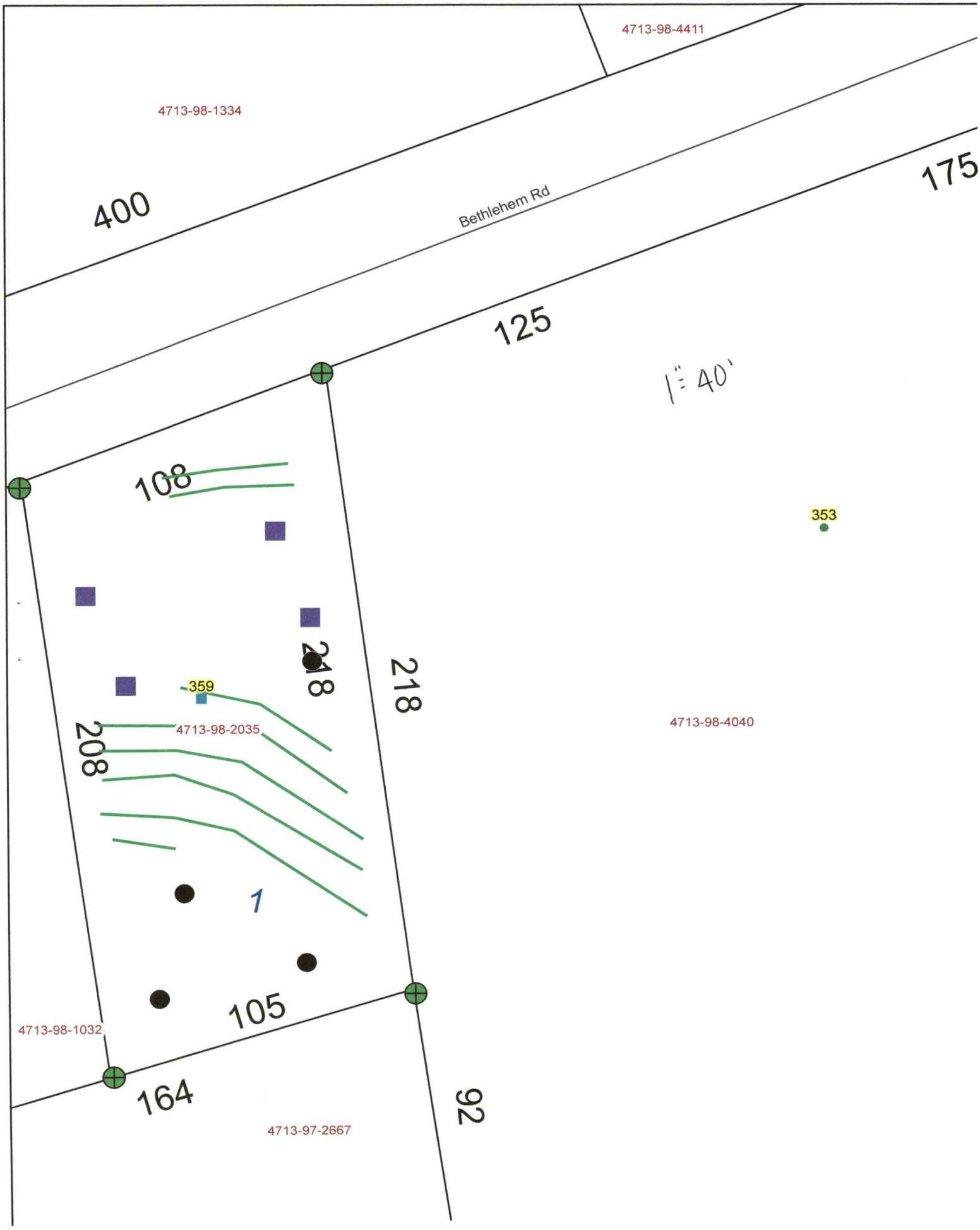
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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




4713-98-4411
4713-98-1334
400
Bethlehem Rd
175
125
1" = 40'
108
353
218
218
359
208
4713-98-2035
4713-98-4040
1
105
4713-98-1032
164
92
4713-97-2667

PERMIT SNAPSHOT REPORT OSWP-2024-49050 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/13/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	Need to Draw	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Holland, Sydney	**Approval Expire Date:**	
Description:	Re-draw (COMP). Site Ready -BM 3/22/24				

Parcel: 4713982035.000 Main	**Address:** 359 Bethlehem Rd Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent	Applicant/Authorized Agent
BARTON BUILDING LLC	Robert J Barton 188 Sagemore Rd 188 SAGEMORE RD Mooresville, NC 28117-8455 Business: (704) 453-1230	Robert J Barton 188 Sagemore Rd 188 SAGEMORE RD Mooresville, NC 28117-8455 Business: (704) 453-1230

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Re-Layout/change septic permit (sys not installed)	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	64 feet Wide x 40 fee deep
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	6	Foundation Type	Crawl Space Foundat
Residential/Business/Other	Residential	Number of Employees	0	Water Supply	Municipal Water
Desired Septic System Type	Conventional (most common)	Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Robert_Barton_3/13/2024.jpg	03/13/2024 13:30	Barton, Robert		Uploaded via CSS
Authorize 359 Bethlehem_v1.pdf	03/14/2024 11:11	Barton, Robert	Available Online	
Site plan corrected_v1.pdf	03/14/2024 11:15	Barton, Robert	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End
2024-200134	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	03/22/2024	03/22/2024 0:00	03/22/2024 0:00	03/22/2024 10:24	03/22/2024

Inspectors: Moore, Bradley (Primary)

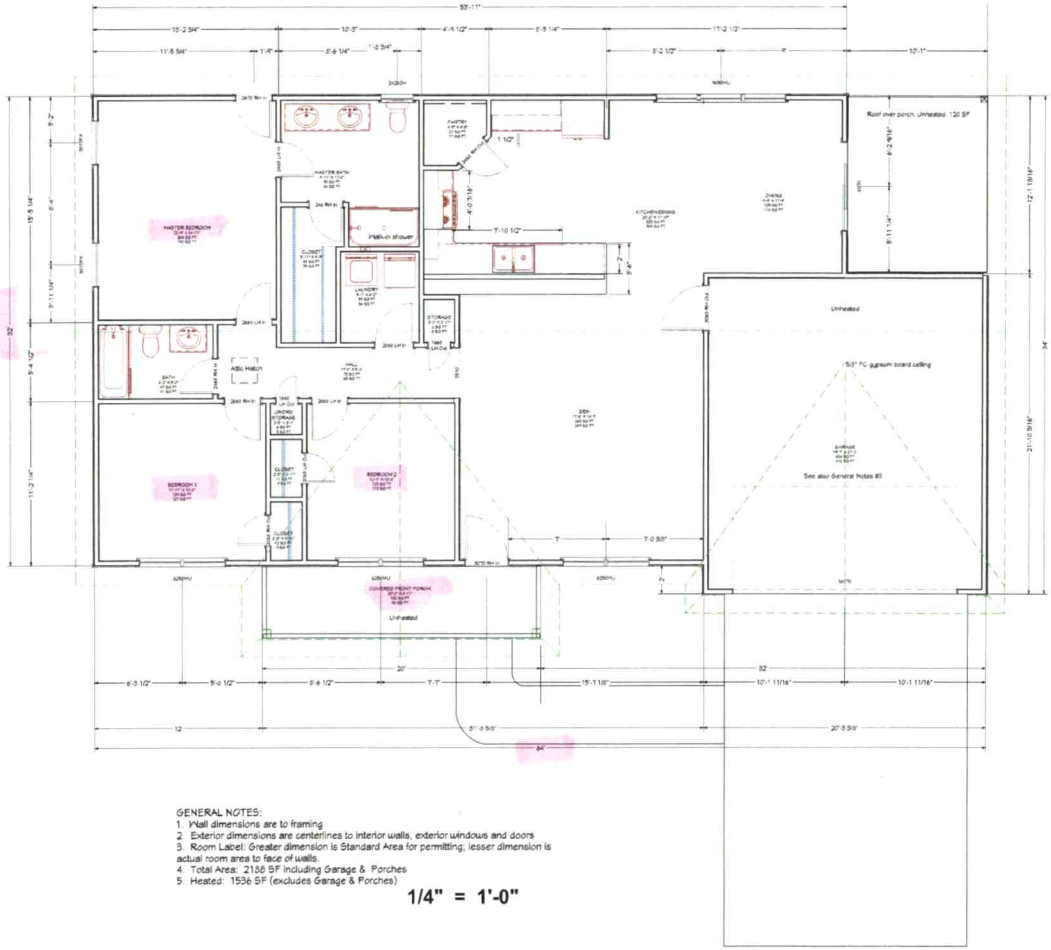
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00028235	Comprehensive Gravity System Re-layout	$500.00	$500.00
	Total for Invoice INV-00028235	$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		03/14/2024 11:22	03/14/2024 1

PERMIT SNAPSHOT REPORT (OSWP-2024-49050)

Confirm application complete v.1	Generic Action		03/14/2024 1
Fees v.1		03/14/2024 11:23	03/21/2024 8
Issue Invoice v.1	Generic Action		03/14/2024 1
Fees Paid v.1	Generic Action		03/21/2024 8
~~**Zoning Review v.1**~~			03/14/2024 1
~~Floodplain Admin Overview v.1~~	Task		03/14/2024 1
~~Issue Invoice v.1~~	Generic Action		03/14/2024 1
~~Fees Paid v.1~~	Generic Action		03/14/2024 1
Lot Readiness Verification v.1		03/22/2024 10:24	
OSWP Septic Preliminary Site Visit v.1	Inspection	03/22/2024 10:24	03/22/2024 1
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		



GENERAL NOTES:
1. Wall dimensions are to framing
2. Exterior dimensions are centerlines to interior walls, exterior windows and doors
3. Room Label: Greater dimension is Standard Area for permitting; lesser dimension is actual room area to face of walls.
4. Total Area: 2138 SF including Garage & Porches
5. Heated: 1536 SF (excludes Garage & Porches)

1/4" = 1'-0"

STH 8/21/23

BARTON BUILDING LLC

PROJECT INFORMATION

DRAWINGS PREPARED BY:
Al Burneck
3213 Bridgewick Rd
Waxhaw, NC 28173
704-351-8289
arburdock@outlook.com

SHEET TITLE:

FIRST FLOOR PLAN

DATE:
8/15/2023

SCALE:
AS NOTED

SHEET:
A-1.0