ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BCK MANF - 2024 - 69105

PERMIT: OSWP 2024-59095

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

PIN # 4702 - 56 - 9574

APPLICANT/OWNER: Freedom Homes APPLICANT ADDRESS: 1124 Charlotte Hwy, Troutman 28166

SITE ADDRESS: 735 Lewis Ferry Rd, Statesville 28677 PHONE: 704-881-2326 ALT. PHONE -

SITE DIRECTIONS: Old Mtn - Lewis Ferry SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: George P Fox SECTION: - LOT # 1 LOT AREA: 1.281 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.325 L.T.A.R (Repair): 0.3

Septic Tank 1000 (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 5 Linear Ft 370

Trench Width 36in *Max. Trench Depth(Initial) 30in *Max. Trench Depth(Repair) 30in Gravel Depth -

* Measured on the downhill side of the trench

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: 25% reduction

Repair System Description: 50% reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

Usable Depth to LC (Initial): 48in

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Usable Depth to LC (Repair): 48in *Limiting Condition*

Water Supply

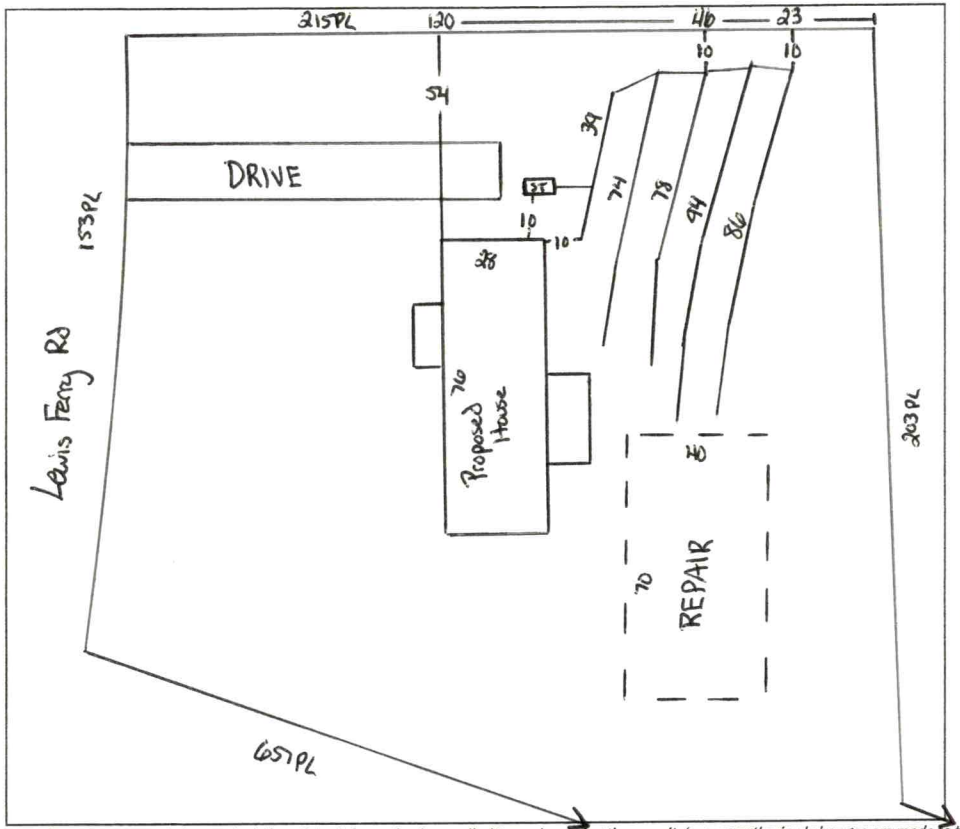
☐ Private

☒ Public

☐ Community

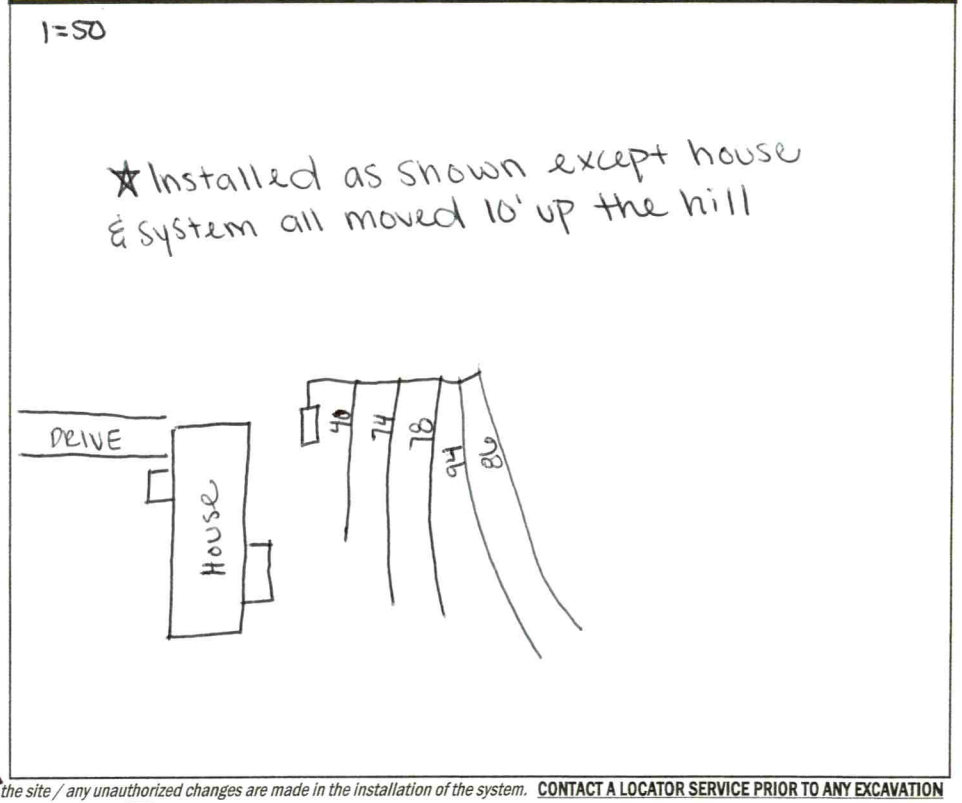
Comments / Conditions: Install on contour with the land. Do not drive, park, or grade septic area.

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.



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:

IMPROVEMENT PERMIT by: Cory Hill Date: 8/30/24

AUTHORIZATION TO CONSTRUCT by: Cory Hill Date: 8/30/24

Installed by: Chris Frye

OPERATION PERMIT by: Sydney Holland Date: 12/6/24

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

PROPERTY ID #: 4702569574
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Freedom Homes DATE EVALUATED: 8/29/24
ADDRESS: 1124 Charlotte Hwy, Troutman
PROPOSED FACILITY: 4 bd/r home PROPOSED DESIGN FLOW (.0400): 480 gpd PROPERTY SIZE: 1.281
LOCATION OF SITE: 735 Lewis Ferry Rd PROPERTY RECORDED: yes
WATER SUPPLY: X Public Single Family Well Shared Well Spring Other WATER SUPPLY SETBACK: 10'
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 15%	0 - 12	~~BAL~~ PLOW SCL	SS SP FR SE	Few Yellow Browns in C layer	57	-	-	.275 PS	6
		12 - 28	C WABK	SS SP FR SE						
		28 - 57	CL SBK	SS SP FR SE						
2	LS 10%	0 - 10	PLOW SCL	SS SP FR SE	-	49	-	-	.325 PS	4
		10 - 24	C SBK	SS SP FR SE						
		24 - 49	CL SBK	SS SP FR SE						
3	LS 10%	0 - 10	PLOW SCL	SS SP FR SE	-	52	SAP inc in CL layer		.325 PS	4
		10 - 27	C SBK	SS SP FR SE						
		27 - 52	CL SBK	SS SP FR SE						
4	LS 10%	0 - 8	SCL SBK	SS SP FR SE	-	50	Heavy SAP inc in CL layer		.3 PS	4
		8 - 24	C SBK	SS SP FR SE						
		24 - 50	CL SBK	SS SP FR SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	.325	.3
Maximum Trench Depth	36 in	36in

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

Comments:

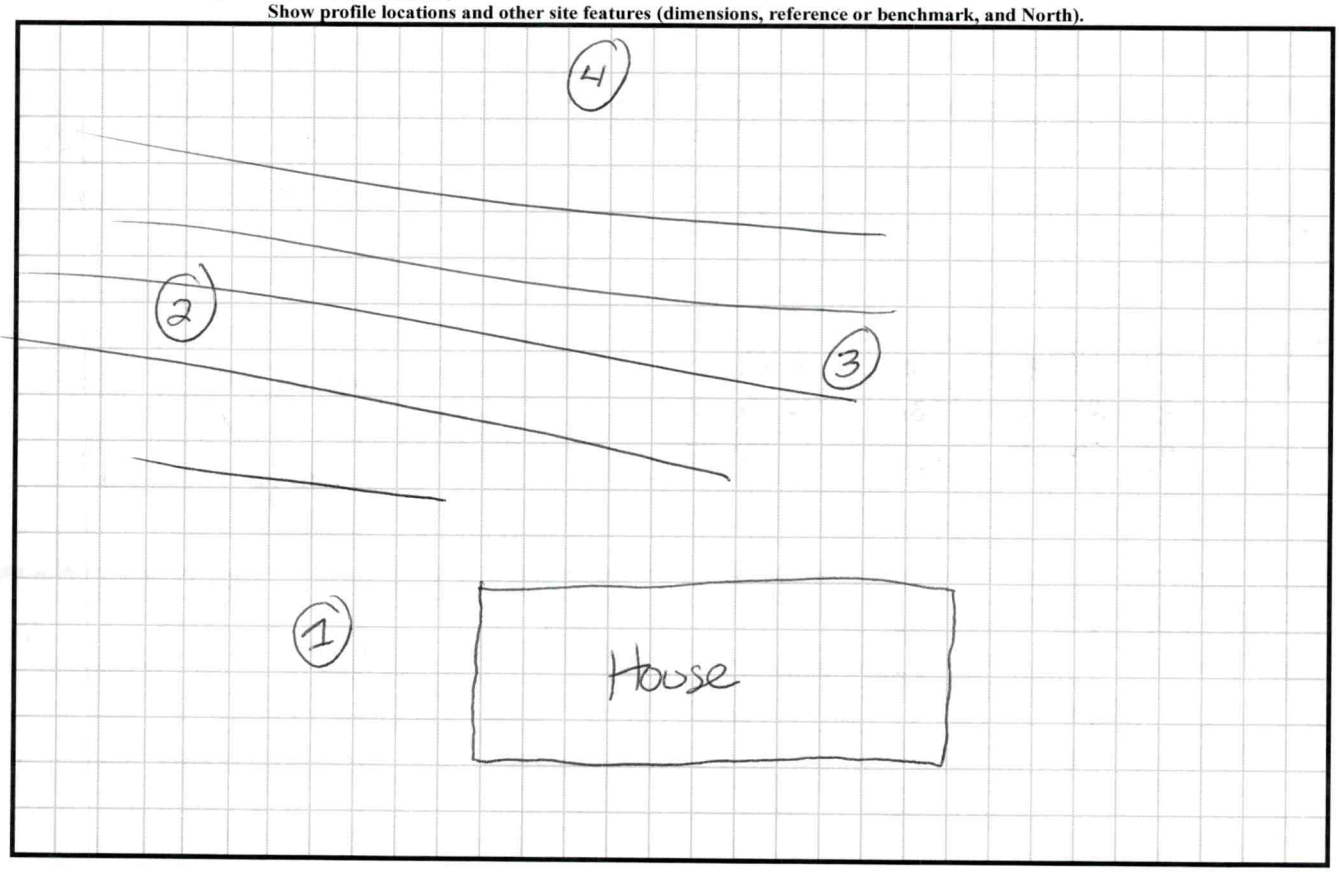
LEGEND

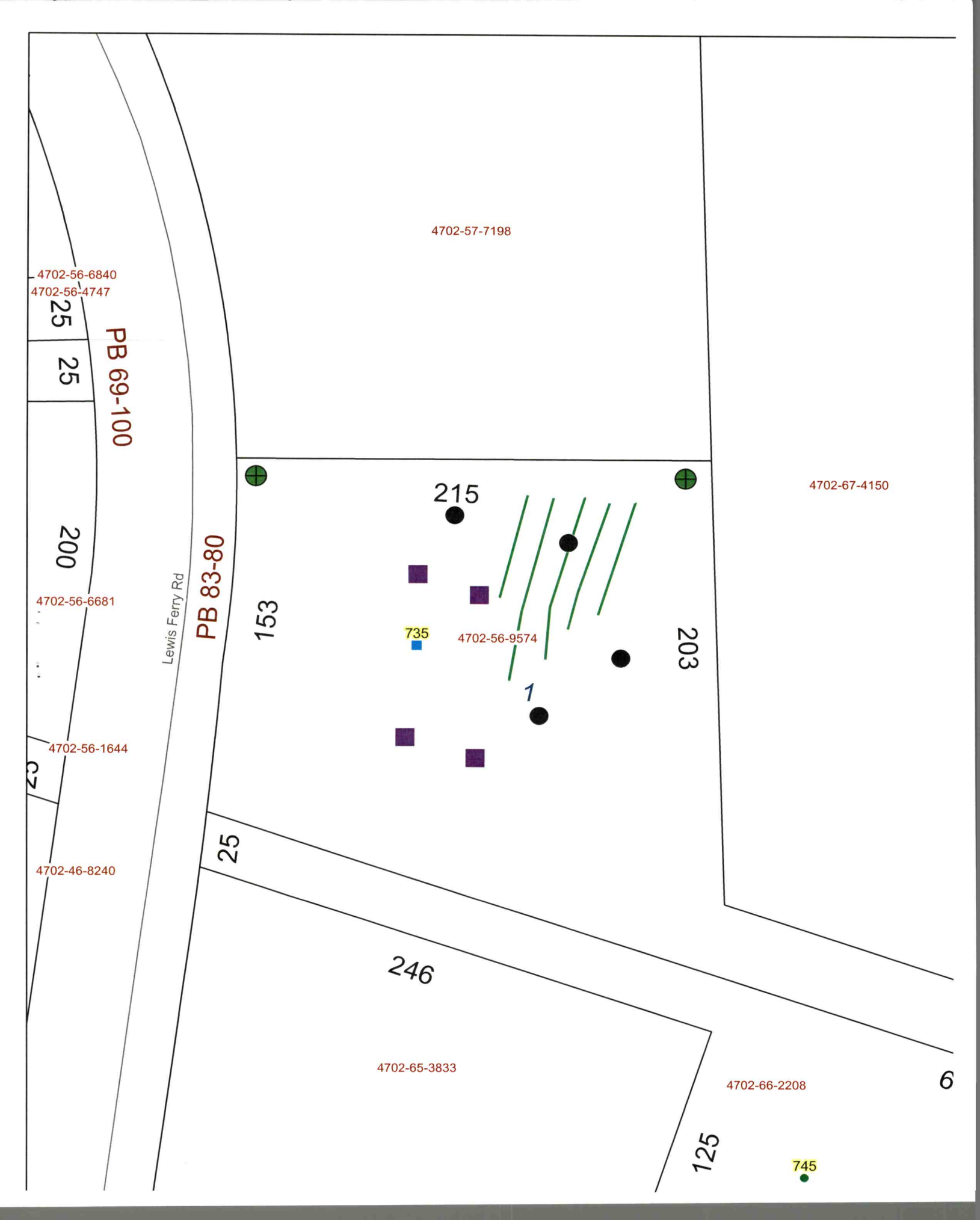
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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




4702-57-7198
4702-56-6840
4702-56-4747
25
25
PB 69-100
200
4702-56-6681
Lewis Ferry Rd
PB 83-80
153
215
735
4702-56-9574
203
1
4702-67-4150
4702-56-1644
25
4702-46-8240
246
4702-65-3833
4702-66-2208
6
125
745

PERMIT SNAPSHOT REPORT OSWP-2024-59095 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/05/2024
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: NEW 28X76 DOUBLE WIDE MOBILE HOME WITH 8X16 FRONT PORCH AND 12X24 BACK DECK, NEEDING NEW 4 BEDROOM SEPTIC AND LOT IS GETTING WATER METER

Parcel: 4702569574.000 Main	**Address:** 735 Lewis Ferry Rd Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner GEORGE PHILLIP FOX Home: (000) 000-0000	Applicant/Authorized Agent FREEDOM HOMES #667 FREEDOM HOMES-TROUTMA #667- USE THIS ONE FREEDOM 1124 CHARLOTTE HWY TROUTMAN, NC 28166 Business: (704) 881-2326	Applicant/Authorized Agent FREEDOM HOMES OF TROUTMAN(MOD BOND) Home: (704) 528-7960 Business: (704) 528-7960

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	28X76 DOUBLE WIDE MOBILE HOME WITH FRONT 8X16 COVERED PORCH AND BACK 12X24 DECK
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
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
Lot Acreage	1.281	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Aug 7 2024 12:00AM
Zoning Permit Expiration Date	Feb 3 2025 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.	Additional Unique Setbacks Apply	No	Watershed	WSIV PA CATAWBA/LAKE NORMAN

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_FREEDOM_HOMES-TROUTMAN_8/5/2024.jpg	08/05/2024 11:00	Kimberly Frye, Freedom Homes		Uploaded via CSS
HAYES AUTH TO ACT_v1.pdf	08/07/2024 8:31	Kimberly Frye, Freedom Homes	Available Online	
HAYES FLOOR PLAN_v1.pdf	08/07/2024 8:31	Kimberly Frye, Freedom Homes	Available Online	
HAYES SURVEY_v1.pdf	08/07/2024 8:31	Kimberly Frye, Freedom Homes	Available Online	
HAYES PLOT PLAN_v1.pdf	08/07/2024 8:46	Kimberly Frye, Freedom Homes	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-240459	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	08/16/2024	08/19/2024 0:00	08/19/2024 0:00	08/19/2024 8:10	08/19/2024 8:10

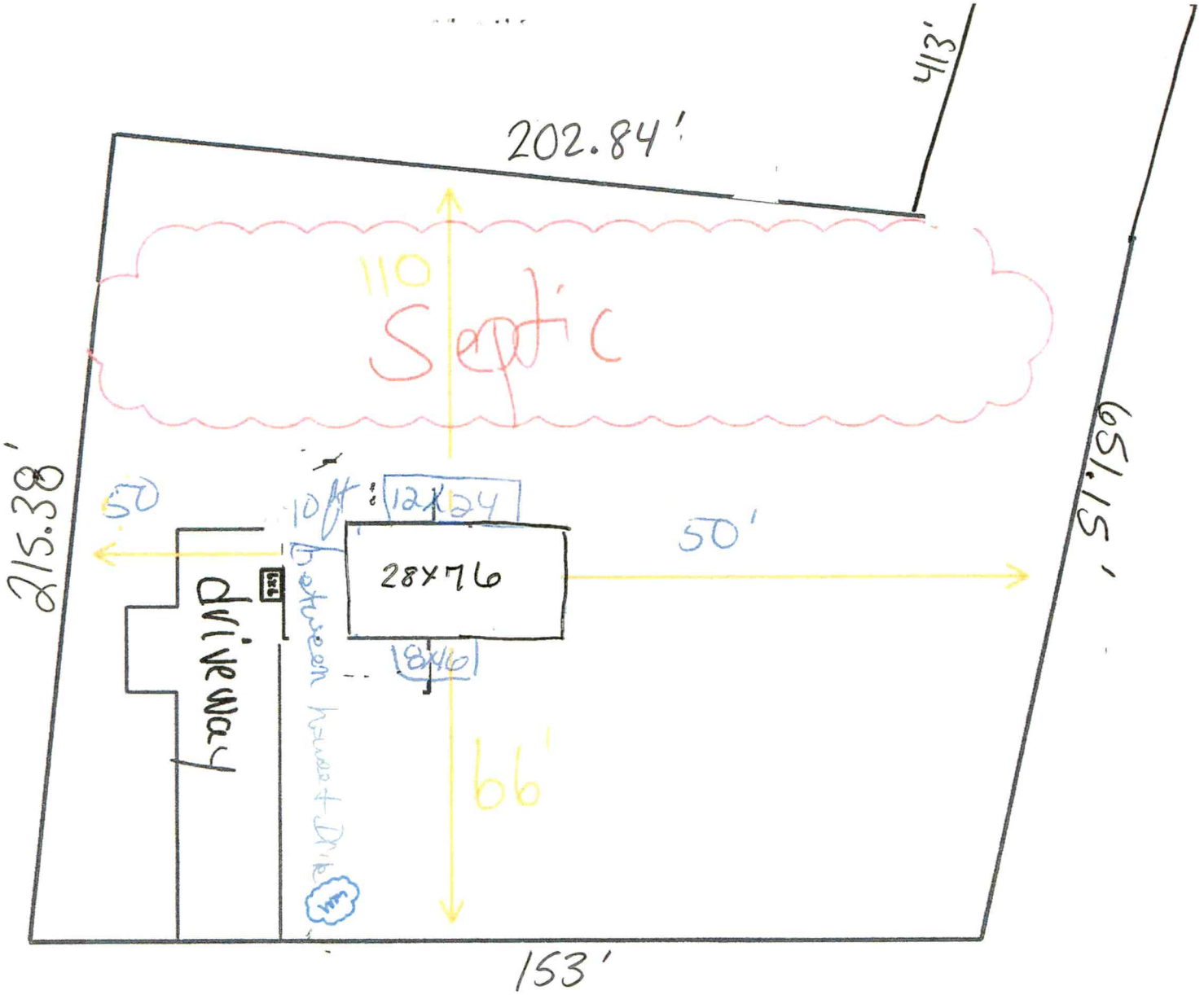
Inspectors: COMEAUX, DEBRA (Primary)

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. called Kim and she is getting the lot cleared, she will call me back when ready.	Peter Mravetz	08/07/2024 14:57

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00034461	Iredell Zoning Tech Fee	$2.25	$2.25
	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00034461	$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		08/07/2024 8:31	08/07/2024 8:31
Confirm application complete v.1	Generic Action		08/07/2024 8:31
Zoning Review v.1		08/07/2024 8:45	08/07/2024 10:44
~~Floodplain Admin Overview v.1~~	Task		08/07/2024 8:45
Iredell County Zoning Approval v.1	Task	08/07/2024 8:45	08/07/2024 8:46
Issue Invoice v.1	Generic Action		08/07/2024 8:46
Fees Paid v.1	Generic Action		08/07/2024 10:44
Fees v.1		08/07/2024 10:45	08/07/2024 10:45
Fees Paid v.1	Generic Action		08/07/2024 10:45
Issue Invoice v.1	Generic Action		08/07/2024 10:45



W lewis ferry