ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR-2024-54353 BLW

PERMIT: OSWP 2024-54865

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

PIN # 4761 -- 59 -- 7781

APPLICANT/OWNER: Caruso Homes APPLICANT ADDRESS: 2120 Baldwin Ave Suite 200, Crofton, MD

SITE ADDRESS: 166 Wylie Trl, Statesville 28677 PHONE: ALT. PHONE

SITE DIRECTIONS: Hwy 70 - Bethesda - Northlake - Mountain Island - Wylie SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Northlake SECTION: 2 LOT # 25 LOT AREA: 1.03 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.275 L.T.A.R (Repair): 0.275

Septic Tank 1000 (gal) STB Infiltrator Date

Pump Tank 1000 (gal) PT Infiltrator Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 5 Linear Ft 437

Trench Width 36in *Max. Trench Depth(Initial) 28in *Max. Trench Depth(Repair) 28in 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

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

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

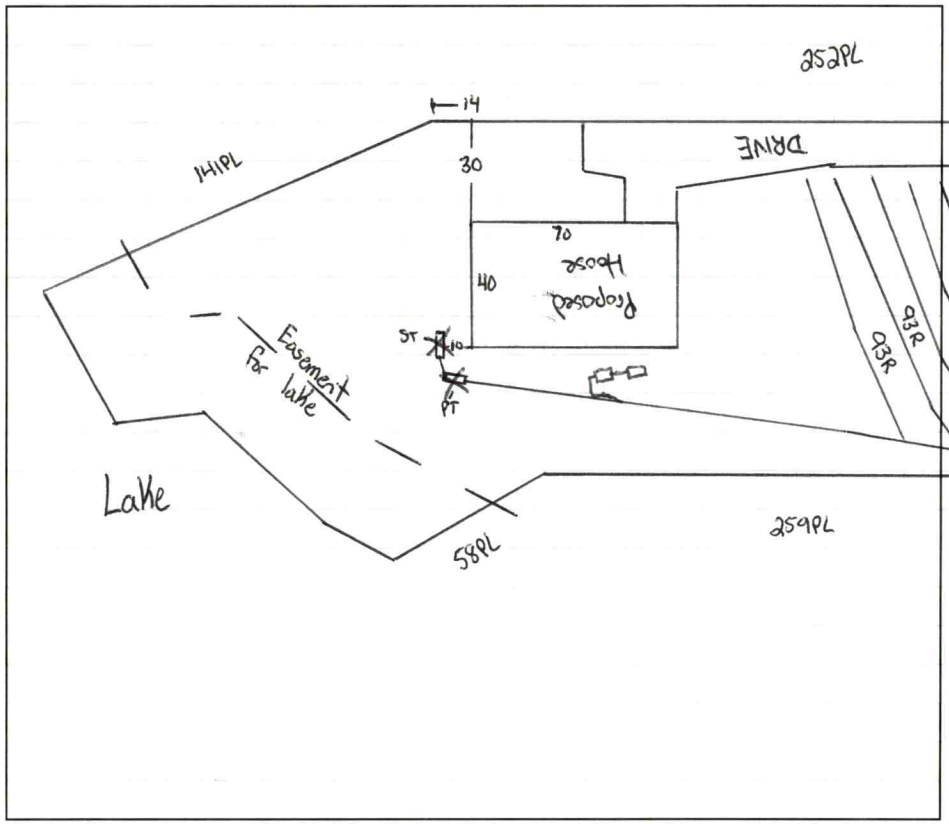
☐ Private

☒ 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.

Dose = 200.2
Flow = 27.4
Time = 7.3
Drawdown = 9.5
2 in supply
2 ft head
(5) 1/2 sch 80

Tanks
Lines CW
PM 11/19/24
ALARM
FLOATS
ELECTRICAL SW 3/17/25
PRESSURE

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: Mark Frost 11110

IMPROVEMENT PERMIT by: Cory Whit Date: 7/11/24

OPERATION PERMIT by: Sarah Williams Date: 3/17/25

AUTHORIZATION TO CONSTRUCT by: Cory Whit Date: 7/17/24

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 #: 4761597781
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Corusco Homes DATE EVALUATED: 7/10/24
ADDRESS: 2120 Baldwin Ave
PROPOSED FACILITY: 4 bd/r home PROPOSED DESIGN FLOW (.0400): 480 gpd PROPERTY SIZE: 1.03
LOCATION OF SITE: 1666 Wylie 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 10%	0 - 26	C SBK	SS SP FR SE	-	48	Litho inc in CL layer		.275 PS	4
		26 - 48	CL SBK	SS SP FR SE						
		48 - 60	SAP LS	VFR						
2	LS 10%	0 - 10	SCL SBK	SS SP FR SE	-	50	Litho inc in CL layer		.275 PS	4
		10 - 30	C SBK	SS SP FI SE						
		30 - 50	CL SBK	SS SP FI SE						
3	LS 8%	0 - 8	SCL SBK	SS SP FR SE	-	60	Litho inc in CL layer		.3 PS	3
		8 - 29	C SBK	SS SP FI SE						
		29 - 60	CL SBK	SS SP FI SE						
4	LS 5%	0 - 28	C SBK	SS SP FR SE	-	55	Litho inc in CL layer		.3 PS	2
		28 - 55	CL SBK	SS SP FI SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	.275	.275
Maximum Trench Depth	36	36

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

Comments:

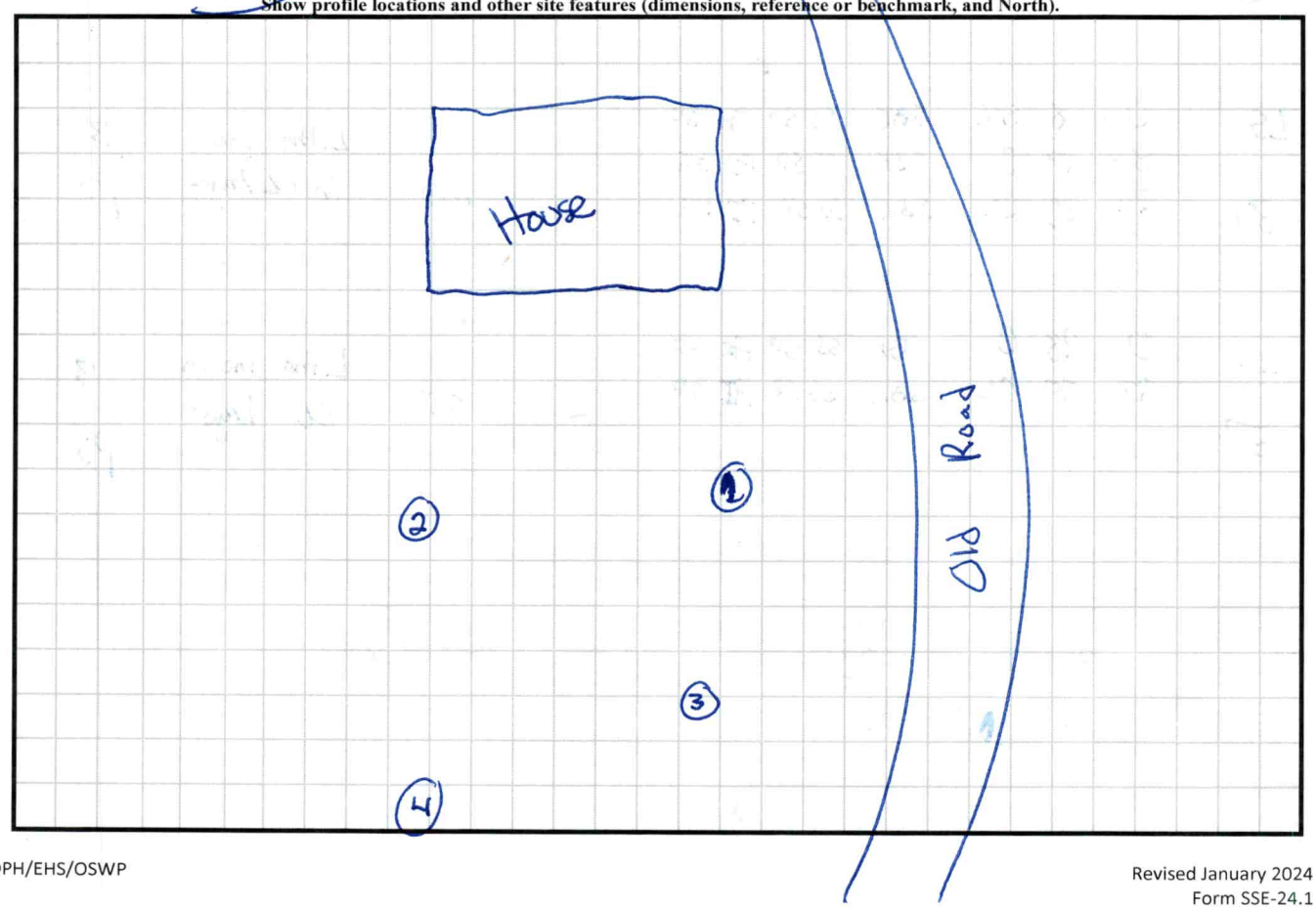
LEGEND

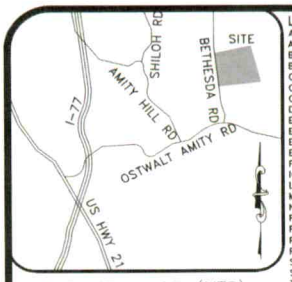
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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





VICINITY MAP (NTS)

LEGEND
AC=AIR CONDITIONING UNIT
AG=ABOVE GROUND
BOC=BACK OF CURB
BG=BELOW GROUND
CATV=CABLE TV
CB=CATCH BASIN
CVRD=COVERED
DW=CONC DRIVEWAY
EB=ELECTRIC BOX
EM=ELECTRIC METER
EOP=EDGE OF PAVEMENT
EP=ELECTRIC PEDESTAL
FH=FIRE HYDRANT
ICV=IRRIGATION CONTROL VALVE
LP=LIGHT POLE
MTR=METER
N/F=NOW OR FORMERLY
PO=PORCH
PP=POWER POLE
RCP=REINFORCED CONC PIPE
R/W=RIGHT OF WAY
SCO=CLEANOUT
SW=SIDEWALK
TP=TELEPHONE PEDESTAL
TF=TRANSFORMER
WM=WATER METER
WV=WATER VALVE
EIP=EXISTING IRON PIPE
IRON PIPE SET
EIR=EXISTING IRON ROD

NORTH CAROLINA PROFESSIONAL SEAL L-4817 LAND SURVEYOR NICHOLAS M. FRENCH

THIS EXHIBIT MAP IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

PRELIMINARY

NICHOLAS M. FRENCH, PLS L-4817 DATE

THIS MAP IS ONLY INTENDED FOR THE PARTIES AND PURPOSES SHOWN. THIS MAP IS NOT FOR RECORDATION. NO TITLE REPORT PROVIDED.

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

GENERAL NOTES:

1. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.

2. AREAS SHOWN HEREON WERE COMPUTED USING THE COORDINATE METHOD.

3. LINES NOT SURVEYED ARE SHOWN AS DASHED LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS SURVEY.

4. PROPERTY MAY BE SUBJECT TO ANY/ALL EASEMENTS AND RESTRICTIONS OF RECORD. THIS SURVEY IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND OR DEEDED AND HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. A NORTH CAROLINA LICENSED ATTORNEY-AT-LAW SHOULD BE CONSULTED REGARDING CORRECT OWNERSHIP, WIDTH AND LOCATION OF EASEMENTS, AND OTHER TITLE QUESTIONS REVEALED BY TITLE EXAMINATION.

5. DRIVEWAY IMPERVIOUS CALCULATION SHOWN HEREON CALCULATED TO THE FRONT PROPERTY LINE/RIGHT-OF-WAY.



(NTS)

SETBACKS PER: P.B. 71, PG. 4

FRONT	35'
SIDE	15'
REAR	35'
SIDE STREET	25'

IMPERVIOUS AREA

HOUSE	2,655 SQ.FT.
DRIVE TO R/W	5,639 SQ.FT.
WALK	157 SQ.FT.
TOTAL	8,451 SQ.FT.

LINE	BEARING	DISTANCE
L18	S 18°29'15" E	27.30'
L19	S 02°51'14" E	51.90'
L20	S 50°37'00" E	29.51'
L21	S 15°23'53" W	46.93'

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C11	2.83'	325.00'	0°29'56"	N 77°05'22" E	2.83'
C12	26.41'	35.00'	43°14'15"	S 81°32'15" E	25.79'
C13	55.40'	50.00'	63°29'05"	N 88°20'25" E	52.61'

GRAPHIC SCALE

60 0 30

1 inch = 60 ft.

PRELIMINARY

PLOT PLAN

ECLS

PROJECT: 18-005 NORTHLAKE
DRAWN BY: TKR
SURVEYED BY: N/A
SCALE: 1"=60'
FIELD WORK: N/A
DWG DATE: 04-30-2024

FOR
CARUSO HOMES
166 WYLIE TRAIL, STATESVILLE
LOT 25 NORTHLAKE SUBDIVISION
CHAMBERSBURG TWP., IREDELL CO., NC
P.B. 71, PG. 4, P.B. 54, PG. 71

ECLS GLOBAL, INC.
U.S. VETERAN-OWNED
19 N McKINLEY ST
COATS, NC 27521
910.897.3257 ECLSGLOBALINC.COM
910.897.2329 (FAX) CO#C-4175

PERMIT SNAPSHOT REPORT OSWP-2024-54865 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/04/2024
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:	Authorization to Construct AND IP 07/01	KATHY CALLED IN THE SITE IS READY TO BE WORKED = [			

Parcel: 4761597781.000 Main	**Address:** 166 Wylie Trl Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Project Contact
M Scott

Project Contact
Caruso Homes on Your Lot
Charlotte 1, LLC
Cat Brown
8600 Sam Furr Rd, Suite 110
Hubtersville, NC 28078
Mobile: (240) 726-6737

Property Owner
Caruso Homes on Your Lot
Charlotte 1, LLC
ROBERT (BOB) CASHION
2120 Baldwin Ave Suite 200
Crofton, MD 21114
Mobile: (704) 361-5437

Applicant/Authorized Agent
Caruso Homes on Your Lot
Charlotte 1, LLC
ROBERT (BOB) CASHION
2120 Baldwin Ave Suite 200
Crofton, MD 21114
Mobile: (704) 361-5437

Project Contact
Ken Kenode
8600 Sam Furr Rd, suite 110
Huntersville, NC 28078
Home: (301) 832-5266
Business: (301) 832-5266
Mobile: (301) 832-5266

Applicant/Authorized Agent
Cassandra Melton
302 Trimble Drive
Elon, NC 27244

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	SEE SURVEY: 39.87' x 68.33'
What are the proposed structures	New Single-Family Residence - Stick Built	Maximum Number of Bedrooms	4	If other Addition/Structure, please explain	
Number of Occupants	5	Foundation Type	Crawl Space Foundation	Water Supply	Municipal 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	Has this project been approved by TRC	No	Lot Acreage	1.03
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Jun 7 2024 12:00AM	Zoning Permit Expiration Date	Dec 4 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_ROBERT_(BOB)_6/4/2024.jpg		06/04/2024 12:58	CASHION, ROBERT (BOB)		Uploaded via CSS
166 WYLIE TRL OWNER.pdf	AUTHORIZE AN	06/04/2024 16:04	COMEAUX, DEBRA	Available Online	AUTHORIZE AN OWNER

PERMIT SNAPSHOT REPORT (OSWP-2024-54865)

Floor Plan 2024-04-17 Tillery Elev. 3 - Lot 26 Northlake (Review)_v1.pdf	06/04/2024 16:04	CASHION, ROBERT (BOB)	Available Online
CH2 34 Spec Tillery NORTHLAKE L25 PP_v1.pdf	06/06/2024 10:00	CASHION, ROBERT (BOB)	Available Online

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-227677	Requested	OSWP Septic/Well Preliminary Site Visit	07/01/2024	07/02/2024 0:00	07/02/2024 0:00		

Inspectors: Bracken, Sarah (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 customer Cat Brown and will call back to confirm all property lines are marked.	Peter Mravetz	06/10/2024 9:12
2. customer called back and will call me back when the property is ready for us to evaulate property.	Peter Mravetz	06/10/2024 10:33
3. talk to customer BoB and told him that the property lines and house box not marked . Customer will call me back when ready.	Peter Mravetz	06/12/2024 12:24

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00031843	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-00031843	$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		06/04/2024 16:14	06/04/2024 16:15
Confirm application complete v.1	Generic Action		06/04/2024 16:15
Zoning Review v.1		06/06/2024 9:59	06/07/2024 9:50
~~Floodplain Admin Overview v.1~~	Task		06/06/2024 9:59
Iredell County Zoning Approval v.1	Task	06/06/2024 9:59	06/07/2024 9:50
Issue Invoice v.1	Generic Action		06/06/2024 10:00
Fees Paid v.1	Generic Action		06/07/2024 9:44
Fees v.1		06/07/2024 9:44	06/07/2024 9:44
Fees Paid v.1	Generic Action		06/07/2024 9:44
Issue Invoice v.1	Generic Action		06/07/2024 9:44
Lot Readiness Verification v.1		07/01/2024 15:04	
OSWP Septic Preliminary Site Visit v.1	Inspection	07/01/2024 15:04	07/01/2024 15:04
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		