ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR 2024-44419

PERMIT # 2023-196096

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

PIN # 4721 -- 95 -- 7529

APPLICANT/OWNER: Cruz Gerardo APPLICANT ADDRESS: 405 Ridge Ave, Mooresville

SITE ADDRESS: 470 East Monbo Rd, Statesville 28677 PHONE: 704-200-6040 ALT. PHONE -

SITE DIRECTIONS: 21 S - Old Mtn - E Monbo SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: High Grove ✓ SECTION: 1 LOT # 7 ✓ LOT AREA: 0.61 acres DESIGN FLOW: 360 gpd L.T.A.R.: 0.275 (I) / 1 (R)

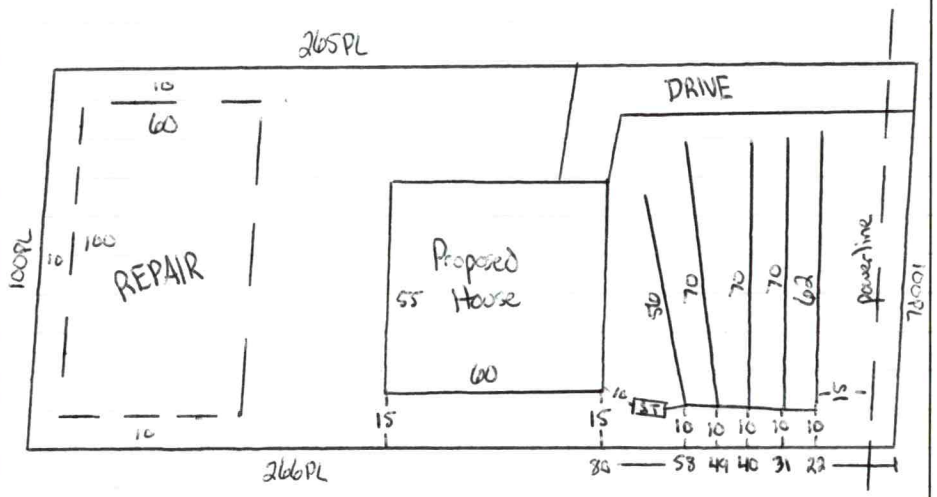
Septic Tank	1000 (gal)	STB	760	Date	5/21/24	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT		Date		System Description:	25% reduction	☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description:	DRIP	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	5	Linear Ft	328'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width	36in	Trench Bottom Depth(Low side)	32"	Gravel Depth	-		☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install lines on contour with the land. Do not grade, park, or drive on septic area. Keep water line 10' from septic.

INITIAL SITE SKETCH

1=50



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 Drawn

East Monbo Rd

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: On file Signature Date:

IMPROVEMENT PERMIT by: Cary Whit ✓ Date: 4/11/23

AUTHORIZATION TO CONSTRUCT by: Cary Whit ✓ Date: 1/10/24

Installed by: AJ Remodeling ✓

OPERATION PERMIT by: Cary Whit ✓ Date: 6/28/24

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? _____	

Sheet 1 of 1
PROPERTY ID #: 472195729
COUNTY: Iredell

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

OWNER: Cruz Gerardo
ADDRESS: 405 Ridge Ave, Mooresville
PROPOSED FACILITY: 3 bdr home
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 470 E Monbo
APPLICATION DATE 3/22/23
DATE EVALUATED: 4/10/23
PROPERTY SIZE: .61 acres
PROPERTY RECORDED: yes

WATER SUPPLY: Private X Public Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: 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 5%	0 - 22	SCL SBK	SS SP FR SE	10yr 6/2 at 22"+	48	-	-	1 DRIP
		22 - 48	C ABK	S P FR SE					
2	Linear 8%	0 - 5	SCL SBK	SS SP FR SE	Yellow/Brown in C layer	31	-	-	.1 DRIP
		5 - 31	C ABK	SS SP FR SE					
		31 +	ROCK						
3	Linear 6%	0 - 6	SCL SBK	SS SP FR SE	-	54	Litho	inc 39"-50"	.275 PS
		6 - 27	C SBK	SS SP FR SE					
		27 - 54	CL ABK	SS SP FR SE					
4	Linear 7%	0 - 24	C SBK	SS SP FR SE	-	48	Litho	inc 26"+	.275 PS
		24 - 48	CL ABK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	DRIP
Site LTAR	.275	.1

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

COMMENTS:

Updated February 2014

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.

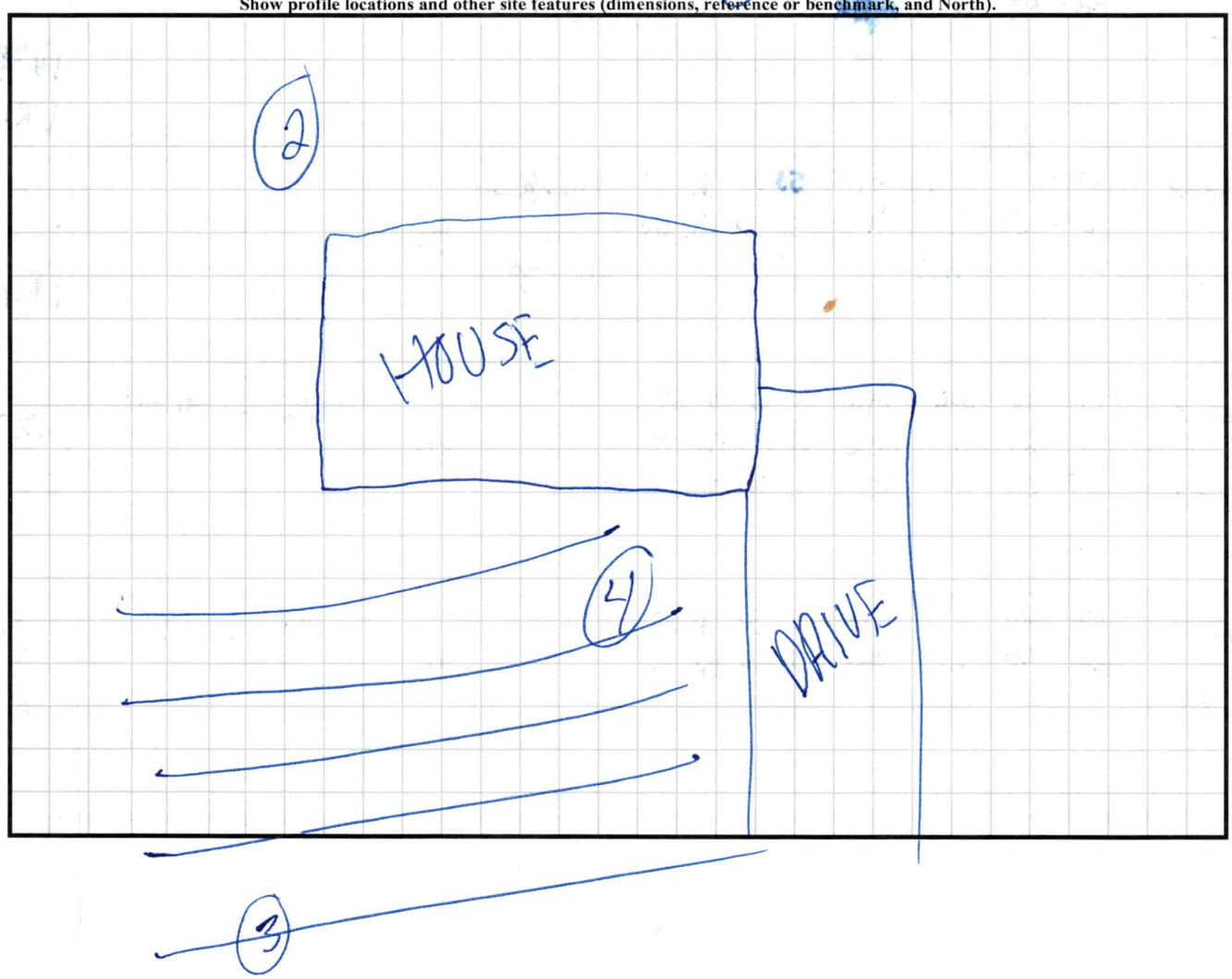
NOTES

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)

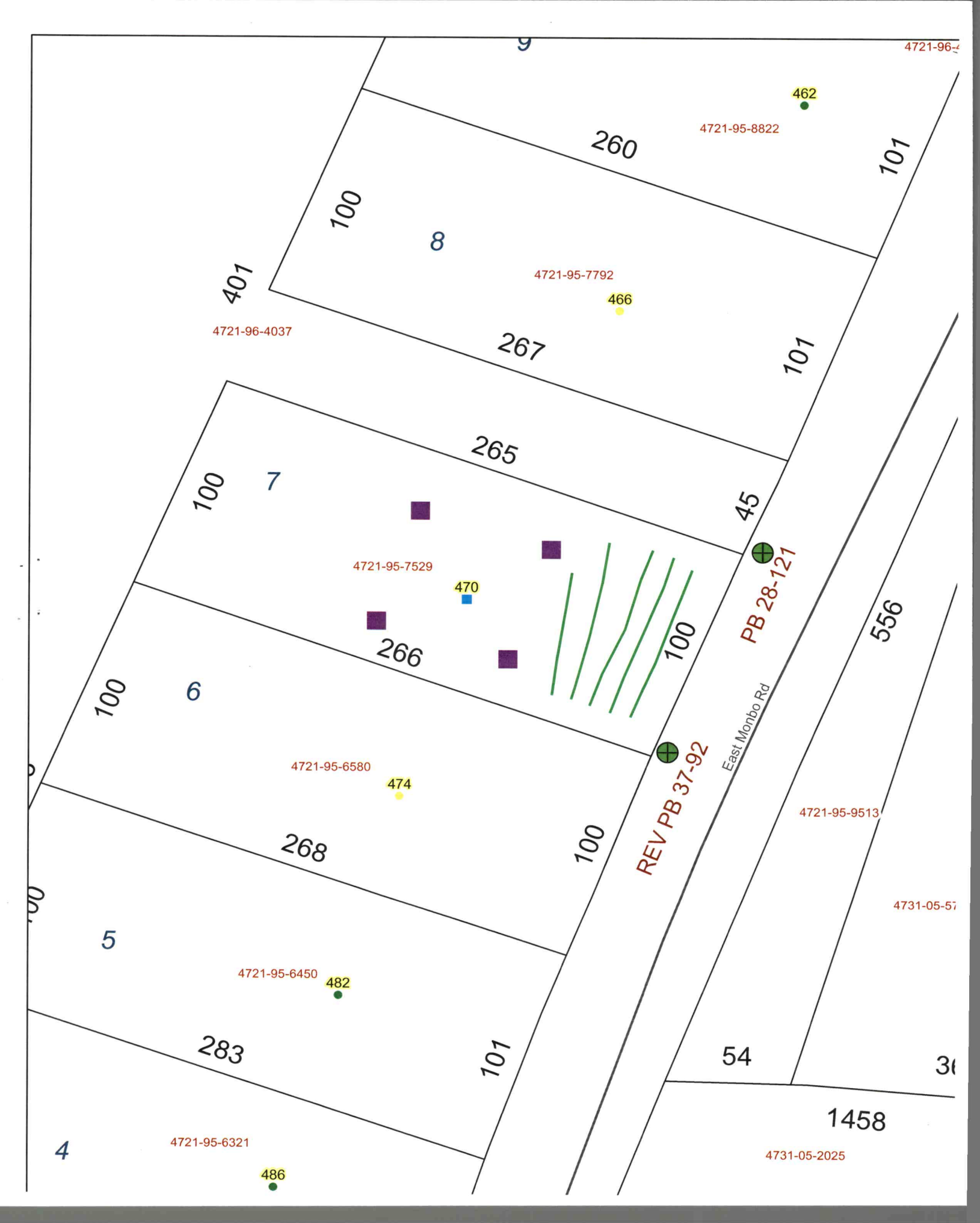
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



Updated February 2014


9
4721-96-4
462
4721-95-8822
260
101
100
8
401
4721-95-7792
466
4721-96-4037
267
101
265
100
7
45
4721-95-7529
470
PB 28-121
266
100
556
100
6
East Monbo Rd
4721-95-6580
474
REV PB 37-92
4721-95-9513
268
100
4731-05-57
5
4721-95-6450
482
283
101
54
3(
1458
4
4721-95-6321
4731-05-2025
486

PERMIT SNAPSHOT REPORT OSWP-2023-19696 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Whicker, Cory
App Date: 03/22/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: One house corner is in construction drive to neighboring house - all other corners are marked

Parcel: 4721957529.000 Main
Address: 470 East Monbo Rd Statesville, NC 28677 Main
Zone: R-20 CUD(R-20 CUD)

Property Owner	Applicant/Authorized Agent
CRUZ GERARDO	CRUZ GERARDO
405 Ridge Avenue	405 Ridge Avenue
MOORESVILLE, NC 28115	MOORESVILLE, NC 28115
Business: (704) 200-6040	Business: (704) 200-6040

Permit Custom Fields

EHExpeditedApplication/PermitType	Improvement Permit	How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	55 x 58
What are the proposed structures	New Single Family Residence	Maximum Number of Bedrooms	3	Number of Occupants	5
Foundation Type	Crawl Space Foundation	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Lot Acreage	0.61	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Mar 23 2023 12:00AM	Zoning Permit Expiration Date	Sep 19 2023 12:00AM	Additional Unique Setbacks Apply	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_CRUZ_GERARDO_3/22/2023.jpg	03/22/2023 15:11	GERARDO, CRUZ		Uploaded via CSS
Document_2023-03-21_202903_v1.pdf	03/23/2023 8:04	Nebel, Barbara	Available Online	Authorize to Act as Agent
Document_2023-03-21_202903_v1.pdf	03/23/2023 9:04	Bailey, Julia	Available Online	Authorize to Act as Agent
Handwritten_2023-03-21_203025_v1.pdf	03/23/2023 9:04	Bailey, Julia	Available Online	Site Plan
Handwritten_2023-03-21_203025_v1.pdf	03/23/2023 9:04	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
2023-77184	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	03/30/2023			03/30/2023 15:00	03/30/2023 15:00

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	

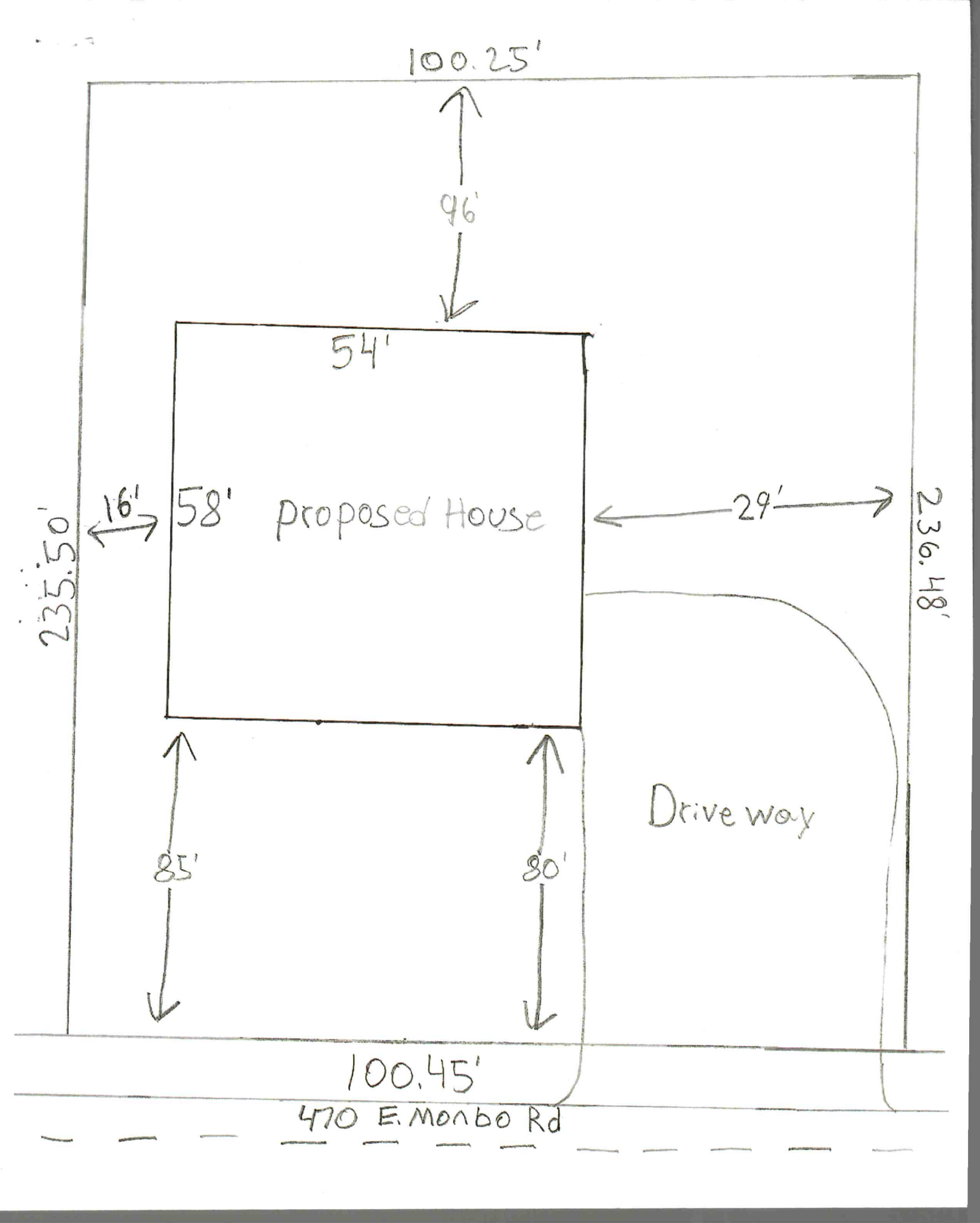
Note	Created By	Date and Time Created
1. Called and left message 4/3/23	Cory Whicker	04/03/2023 8:22

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00011060	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00011060	$577.25	$577.25

PERMIT SNAPSHOT REPORT (OSWP-2023-19696)

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

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/23/2023 8:04	03/23/2023 8:04
Confirm application complete v.1	Generic Action		03/23/2023 8:04
Fees v.1		03/29/2023 10:08	03/29/2023 10:08
Issue Invoice v.1	Generic Action		03/29/2023 10:08
Fees Paid v.1	Generic Action		03/29/2023 10:08
Zoning Review v.1		03/23/2023 8:04	03/29/2023 10:05
~~Floodplain Admin Overview v.1~~	Task		03/23/2023 9:07
Iredell County Zoning Approval v.1	Task	03/23/2023 8:04	03/29/2023 10:05
Issue Invoice v.1	Generic Action		03/23/2023 9:07
Fees Paid v.1	Generic Action		03/29/2023 10:03
Lot Readiness Verification v.1		03/30/2023 14:59	
OSWP Septic Preliminary Site Visit v.1	Inspection	03/30/2023 14:59	03/30/2023 15:00
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		


100.25'
96'
54'
16'
58'
Proposed House
29'
235.50'
236.48'
Driveway
85'
80'
100.45'
470 E. Monbo Rd