ICHD - ENVIRONMENTAL HEALTH DIVISION

BLDR-2025-73684 (68)

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

PERMIT : OSWP- 2025-68088

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

PIN # 4723 - 63 - 1508

APPLICANT/OWNER: MERL'S CONSTRUCTION, LLC. APPLICANT ADDRESS: 110 GOLDEN OAK DRIVE, STATESVILLE, N.C. 28625

SITE ADDRESS: 241 GRANDVIEW DRIVE, STATESVILLE, N.C. 28677 PHONE: 704-775-0078 ALT. PHONE 909-816-1450

SITE DIRECTIONS: (W) ON 70, (L) ON BUFFALO SHOALS, (R) ON GRANDVIEW, LOT ON (L) @ END SAP CONTROLLED: ☑ YES ☐ NO

SUBDIVISION: GLEN RIDGE SECTION: - LOT # 19 + PT 20 LOT AREA: 1.606AC DESIGN FLOW: 360 GPD L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.15

Septic Tank	EXT	(gal)	STB	EXT	Date	EXT	☐ 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: EXISTING CONVENTIONAL +25% REDUCTION	☐ Business	No. Persons	6	☑ Private EXT
Pump Make	-	Model	-		Serial #	-	Repair System Description: DRIP IRRIGATION	☐ Other	No. Employees	-	☐ Public
# Nitrification Fields	1	# Lines	EXT +2		Linear Ft	EXT+100FT	Maintenance Agreement Required: ☐ YES ☑ NO	☐ Slab	☑ Crawl Space		☐ Community
Trench Width	36 IN	*Max. Trench Depth(Initial)	26 IN	*Max. Trench Depth(Repair)	22 IN	Gravel Depth	EXT ☑ 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): 47.5 IN	Usable Depth to LC (Repair): 36 IN			Limiting Condition

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTER, INSTALL DROP BOXES TO ACHIEVE SERIAL DISTRIBUTION, DO NOT EXCEED A 35IN MAX TRENCH DEPTH HIGHSIDE

INSTALL EARTHEN DAMS IN EXISTING DRAINLINES AS SHOWN

INITIAL SITE SKETCH

SEE ATTACHED
SITE PLAN BY:
ICHD - BRYANT C. WHITE
DATED: 2-25-2025

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.

PAGE 1 OF 2

INSTALLED
AS
SHOWN

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: RICHARD ABERNATHY GRADING

IMPROVEMENT PERMIT by: Bryant C. White Date: 2-25-2025 OPERATION PERMIT by: Bryant C. White Date: 4-15-2025

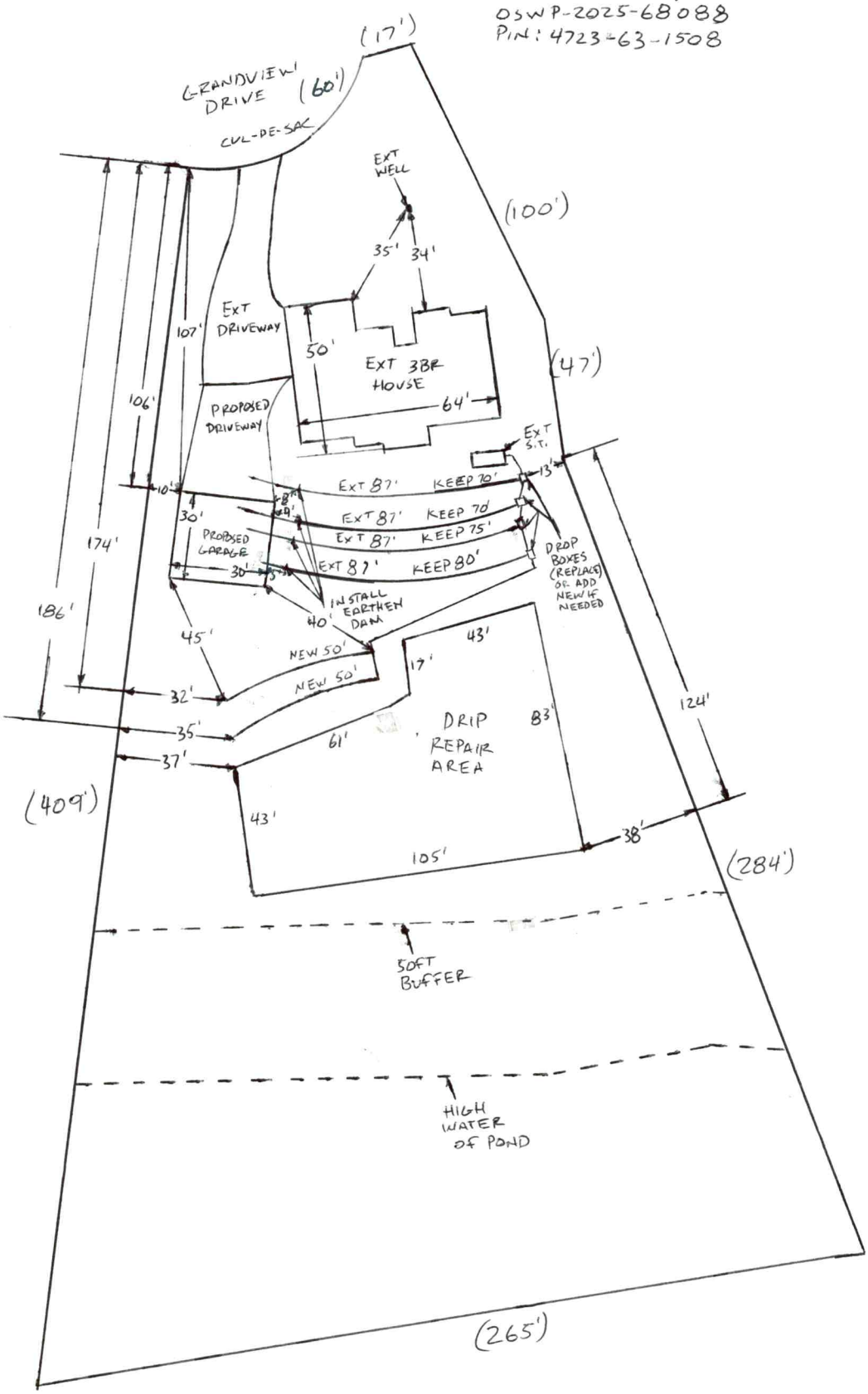
AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 3-3-2025 Existing System Inspected by: Date:

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? _____	

241 GRANDVIEW DRIVE
GLEN RIDGE LOT 19 + PT 20
SEPTIC RELOCATION FOR GARAGE
2-25-2025 B. Hurst C. White
OSWP-2025-68088
PIN: 4723-63-1508

1 IN = 50 FT
S.T. = SEPTIC TANK
EXT = EXISTING



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

PROPERTY ID #: 4723-63-1508
COUNTY: IREDELL

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

(Complete all fields in full)

OWNER: NIALL BYRNE DATE EVALUATED: 2-17-2025
ADDRESS: 241 GRANDVIEW DRIVE, STATESVILLE, N.C. 28677
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360GPD PROPERTY SIZE: 1.606 AC
LOCATION OF SITE: 241 GRANDVIEW DRIVE, STATESVILLE, N.C. 28677 PROPERTY RECORDED: YES
WATER SUPPLY: Public ✓Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 50
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	NOSE 15%	0-24	CL, SBK	FR, SS, SP, SEXP	R/B MATRIX LARGE ~~STONES~~ WALL BOUNDRY	36"+	NA	NA	PS .15 DRIP	6"
		24-36	NON-CON ROCK	~~BHR~~						
2	HEAD 12%	0-6	SCL, SBK	FR, SS, SP, SEXP	R/B MATRIX GRAVELLY SAP INC COMMON THRU OUT	45"	PS II SL	NA	PS .3	5"
		6-26	C, SBK	FR, S, P, SEXP						
		26-45	CL, WSBK	FR, SS, SP, SEXP						
		45-50	SAP, MAS	VFR, NS, NP, SEXP						
3	LINEAR SIDE 15%	0-7	SCL, SBK	FR, SS, SP, SEXP	R/B MATRIX SAP INC COMMON THRU OUT	51"+	NA	NA	PS .3	6"
		7-30	C, SBK	FR, S, P, SEXP						
		30-51	CL, ~~WSBK~~	FR, SS, SP, SEXP						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	CONV. + 25%	DRIP
Site LTAR	0.3	0.15
Maximum Trench Depth	26 IN	22 IN

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Bryant C. White
OTHER(S) PRESENT: _____

Comments: _____

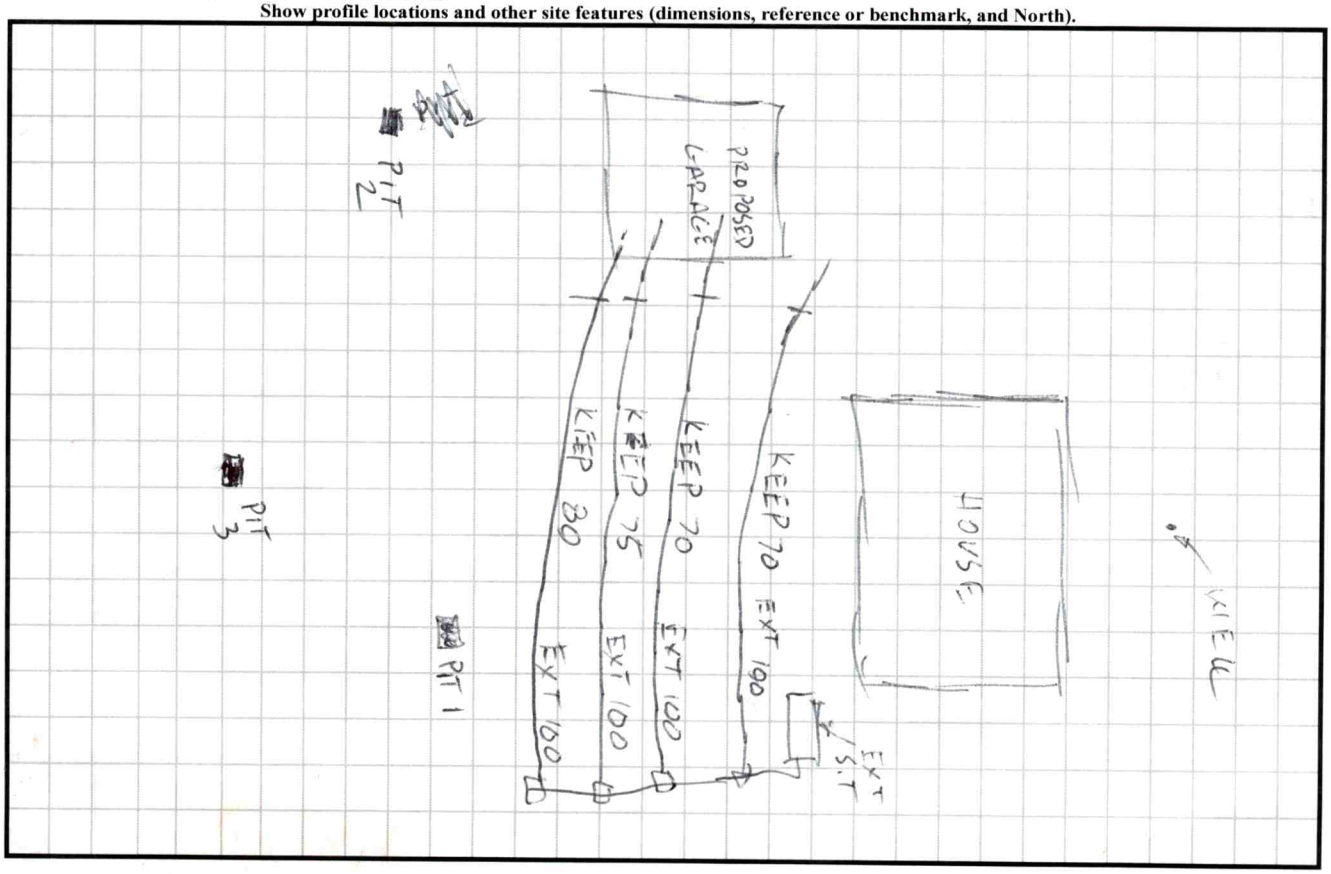
LEGEND

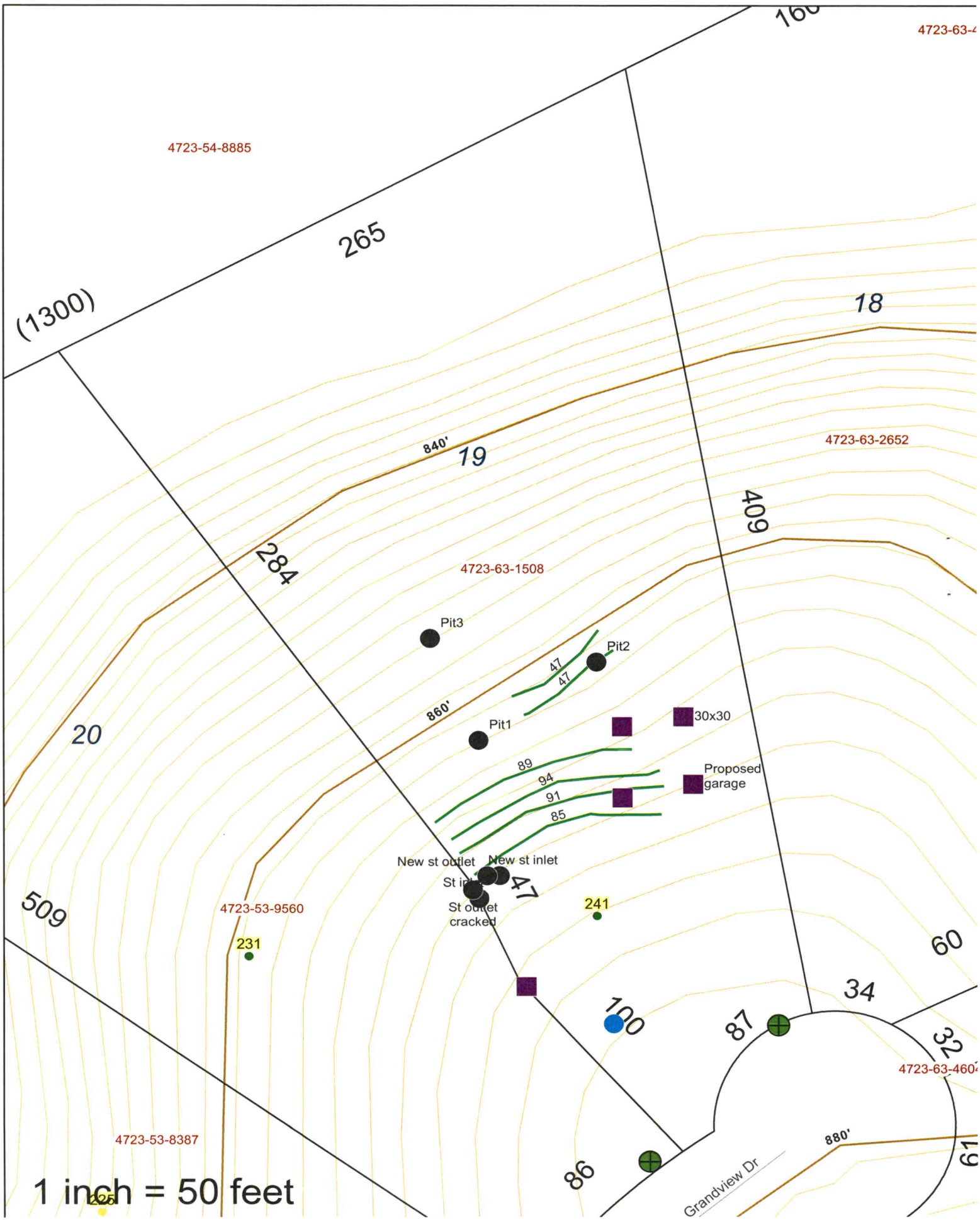
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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




4723-54-8885
265
(1300)
18
19
840'
4723-63-2652
409
284
4723-63-1508
Pit3
Pit2
47
47
860'
20
Pit1
30x30
89
94
91
85
Proposed garage
New st outlet
New st inlet
St inlet
St outlet cracked
47
509
4723-53-9560
241
231
60
34
100
87
32
4723-63-460
4723-53-8387
880'
86
Grandview Dr
1 inch = 50 feet

PERMIT SNAPSHOT REPORT OSWP-2025-68088 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	01/13/2025
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:**	White, Bryant	**Approval Expire Date:**	

Description: Existing residence, identify existing drain field to look at feasibility of constructing detached garage storage.

Parcel: 4723631508.000 Main	**Address:** 241 Grandview Dr Statesville, NC 28677 Main	**Zone:** R-20(Suburban Residential District)

Property Owner	Applicant/Authorized Agent
Niall & Sherie Byrne	Merl's Construction LLC
Mobile: (909) 816-1450	110 Golden Oak Drive 110 GOLDEN OAK DR Statesville, NC 28625-8015 Business: (704) 775-0078 Mobile: (704) 775-0078

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Existing System Inspection, Relocate septic tank/drain lines	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	Existing residence, existing system installed in 1994
What are the proposed structures	Accessory Building	Maximum Number of Bedrooms	0	If other Addition/Structure, please explain	Detached garage
Number of Occupants	0	Foundation Type	Crawl Space Foundation	Residential/Business/Other	Residential
Number of Employees	0	Water Supply	Existing Well	Desired Septic System Type	Other
If other septic system type, please explain	Existing	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	1.606	Front Setback	150
Back Setback	10	Left Setback	10	Right Setback	10
Zoning Permit Issued Date	Jan 22 2025 12:00AM	Zoning Permit Expiration Date	Jul 21 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	Accessory Structures: Must meet requirement R1 of the LDC. Shall not be erected in front building line of the principal structure or within 25' of a side street on a corner lot. Shall not be erected within 10' of any line not a street line or within 10' of any other building on the same lot. Shall not be erected within the 50' buffer zone of lake lots.

Shall not exceed the height limitation of the principal structure. Exceptions to the front building line location: 1.If the lot is 1 acre or greater and the location of the structure is at least 150'from the frontage street right of way line then the structure can be located in front of home or 2.Is a double frontage lake lot. Any accessory building or structure over 2000 sq/ft shall be setback a minimum of 30' from any property line. Metal carports not exceeding 400 sq/ft are allowed in the front yard provided they meet the front setback requirement of the principal structure.	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Barbara Nebel	01/17/2025 10:09	OSWP-2025-68088	NEEDS SETBACKS FROM FUTUF GARAGE TO HOUSE AND PROPERTY LINE.	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Merlyn_Long_1/13/2025.jpg	01/13/2025 8:16	Long, Merlyn		Uploaded via CSS
MC 0101 SIGNED Enviromental Health Auth_v1.pdf	01/13/2025 8:52	Long, Merlyn	Available Online	
MC 0101 Orignal Improvement Permit 01132025_v1.pdf	01/17/2025 10:01	Long, Merlyn	Available Online	
241 Grandview Drive Proposed Garage Survey Plat 01-21-2025_v1.pdf	01/21/2025 15:32	Long, Merlyn	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2025-279607	Requested	OSWP Septic/Well Preliminary Site Visit	01/29/2025	01/30/2025 0:00	01/30/2025 0:00		

Inspectors: Botkins, Ben (Primary)

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

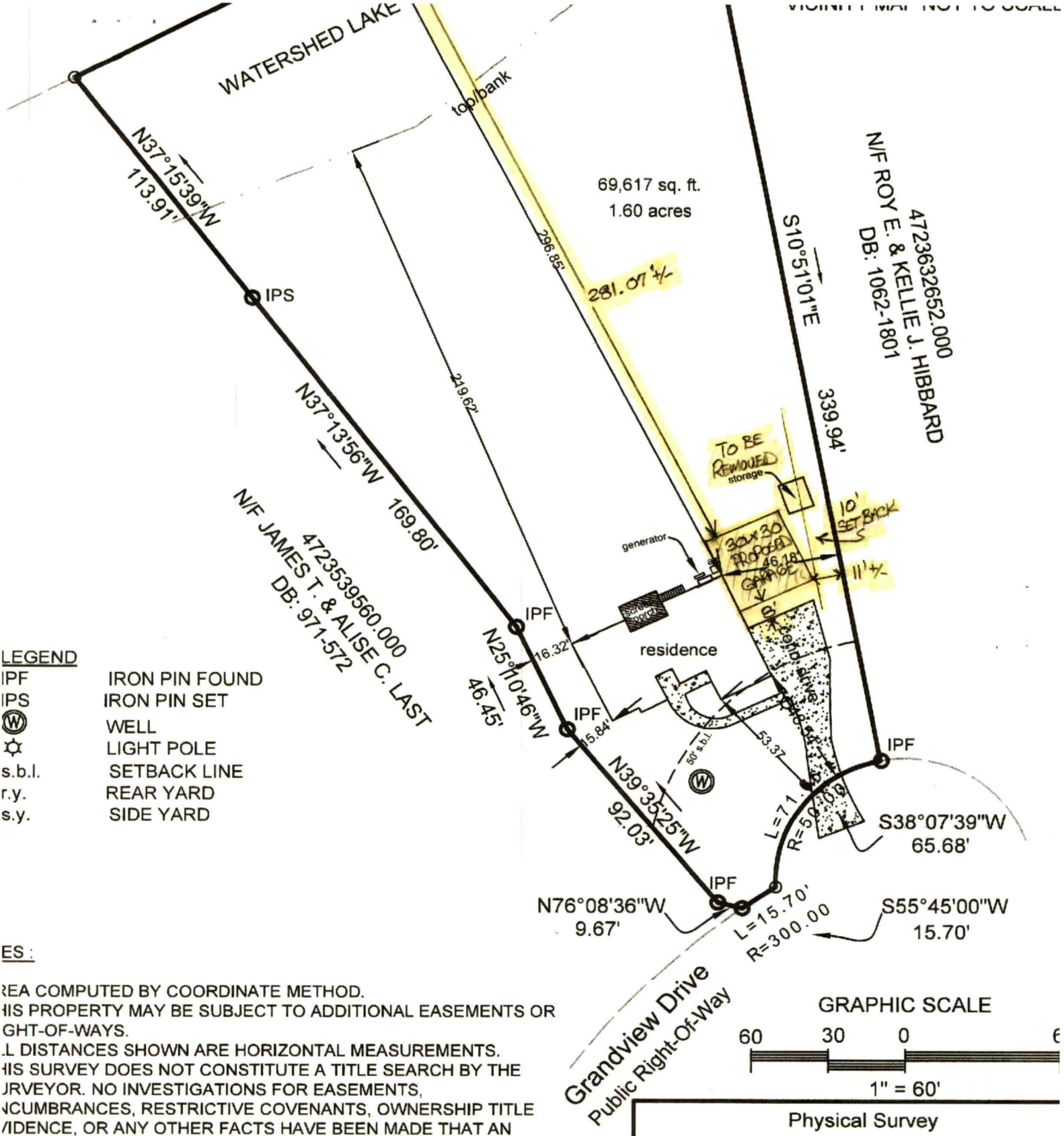
Note	Created By	Date and Time Created
1. applicant is getting a surveyor to mark the property and mark the structure. Applicant will call me when everything is marked.	Peter Mravetz	01/22/2025 15:45

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00040194	Iredell Zoning Permit Fee	$75.00	$75.00
	Existing System Inspection	$250.00	$250.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00040194	$327.25	$327.25
	Grand Total for Permit	**$327.25**	**$327.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		01/17/2025 10:02	01/17/2025 10:03
Confirm application complete v.1	Generic Action		01/17/2025 10:03

PERMIT SNAPSHOT REPORT (OSWP-2025-68088)

Fees v.1		01/21/2025 15:38	01/22/2025 15:09
Issue Invoice v.1	Generic Action		01/21/2025 15:38
Fees Paid v.1	Generic Action		01/22/2025 15:09
Zoning Review v.1		01/17/2025 11:00	01/22/2025 15:09
~~Floodplain Admin Overview v.1~~	Task		01/17/2025 11:00
Iredell County Zoning Approval v.1	Task	01/17/2025 11:00	01/21/2025 15:37
Issue Invoice v.1	Generic Action		01/21/2025 15:37
Fees Paid v.1	Generic Action		01/22/2025 15:09
Lot Readiness Verification v.1		01/29/2025 11:38	
OSWP Septic Preliminary Site Visit v.1	Inspection	01/29/2025 11:38	01/29/2025 11:38
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		



LEGEND

IPF	IRON PIN FOUND
IPS	IRON PIN SET
Ⓦ	WELL
☼	LIGHT POLE
s.b.l.	SETBACK LINE
r.y.	REAR YARD
s.y.	SIDE YARD

ES :

REA COMPUTED BY COORDINATE METHOD.
HIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS OR
GHT-OF-WAYS.
L DISTANCES SHOWN ARE HORIZONTAL MEASUREMENTS.
HIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE
URVEYOR. NO INVESTIGATIONS FOR EASEMENTS,
NCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE
VIDENCE, OR ANY OTHER FACTS HAVE BEEN MADE THAT AN
CCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
ARCEL: 4723631508.000,REFERENCE: DB 936-589, P24-8
O NCGS MONUMENT FOUND WITHIN 2000'
UBJECT PARCEL IS NOT WITHIN A FLOOD ZONE

GRAPHIC SCALE

60 30 0 6

1" = 60'

Physical Survey

241 GRANDVIEW DRIVE

LOT 19 & PART 20

GLEN RIDGE, PH. 1

STATESVILLE,

IREDELL COUNTY, NORTH CAROLINA

Prepared for:

I, MOHAMMAD E. ZAMANI , certify that this