ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT : OSWP 2024-53209 | PIN # 4880-60-7796

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

APPLICANT/OWNER: Michael Caldwell | APPLICANT ADDRESS: PO Box 240 Cleveland NC 27013

SITE ADDRESS: 723 E Memorial Hwy Harmony NC 28634 | PHONE: 704 223 3463 | ALT. PHONE —

SITE DIRECTIONS: Hwy 21 N → (R) on E memorial Hwy → site on (L) | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Harding Haynes & Lillie P Haynes | SECTION: — | LOT # 1 | LOT AREA: 0.76 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.275 | L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB	1600	Date	8/21/24	☒ New System ☐ Repair ☐ Expansion	System Type: I (II) III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT		Date		System Description:	Gravity 25% Reduction	☐ Business	No. Persons 6
Pump Make	Model			Serial #		Repair System Description:	Gravity 25% Reduction	☐ Other	No. Employees —
# Nitrification Fields	1	# Lines	5	Linear Ft	328'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width	36	*Max. Trench Depth(Initial)	32	*Max. Trench Depth(Repair)	32	Gravel Depth	—	☒ GRAVITY	☐ PRESSURE

* Measured on the downhill side of the trench

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

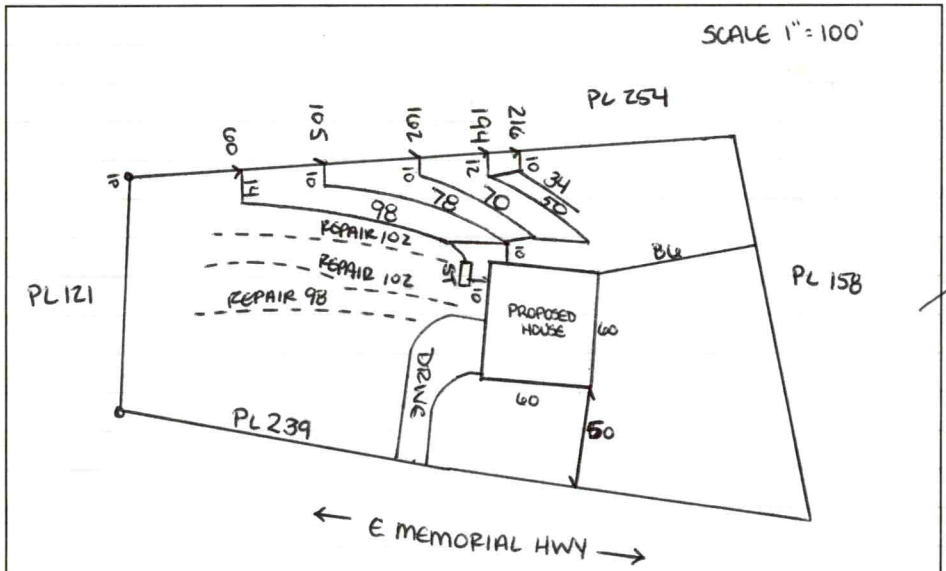
Usable Depth to LC (Initial): 48 | Usable Depth to LC (Repair): 48 | *Limiting Condition*

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install on contour 9' on center. Do not pave, grade, park, or drive in septic area.

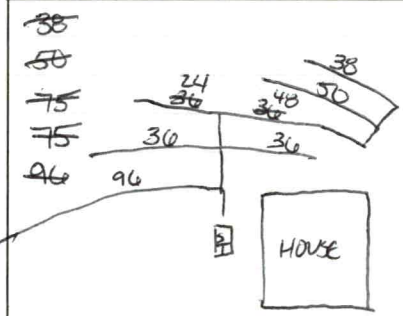
INITIAL SITE SKETCH



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 | Date: — | Installed by: SID GASKINS ✓

IMPROVEMENT PERMIT by: Sarah Williams ✓ | Date: 6/17/2024 | OPERATION PERMIT by: Sarah Williams ✓ | Date: 10/17/23

AUTHORIZATION TO CONSTRUCT by: Sarah Williams ✓ | Date: 6/26/2024 | 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

Page 1 of ___
PROPERTY ID #: 4880-60-2760
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Michael Caldwell DATE EVALUATED: 5/30/2024
ADDRESS: 723 E Memorial Hwy Harmony NC 28634
PROPOSED FACILITY: SFR Crawl PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 1.778 AC / 0.761
LOCATION OF SITE: 723 E Memorial Hwy Harmony NC 28634 PROPERTY RECORDED: ~~X~~ NO
WATER SUPPLY: ~~Public~~ Single Family Well Shared Well Spring Other — WATER SUPPLY SETBACK: 10'
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	LS 7-9	0-14	SCL GR	SS SP SE FR	2.5YR 4/8	MATRIX in 60	C+CL	—	S 0.3	4
		14-36	C SABK							
		36-60	CL ABK		few SAP incl begin @ 38"					
2	LS 7-9	0-8	SCL SBK	SS SP SE FR	2.5YR 4/6	MATRIX in 60	C+CL	—	S 0.3	4
		8-32	C ABK		few SAP incl begin @ 31" heavy SAP begins @ 46"					
		32-60	CL WABK							
3	LS 7-9	0-7	SCL SBK	SS SP SE FR	2.5YR 4/6	MATRIX in	C+CL	—	S 0.3	4
		7-34	C SABK							
		34-60	CL WABK	VFR	heavy SAP begins @ 34"					
4	LS 7-9	0-13	SCL GR	SS SP SE FR	10YR 5/8 @ 32" 5/6 @ 34" 5/4 @ 38"			—	S 0.275	4
		13-34	C SABK	S P SE FR						
		34-60	CL WABK	SS SP SE FR	2.5YR 4/8	MATRIX in	C+CL			
					few SAP incl in CL 34"+					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	328'	300'
System Type(s)	Gravity 25%	PM 25%
Site LTAR	0.275	0.3
Maximum Trench Depth	32"	32"

SITE CLASSIFICATION (.0509): S 0.3/0.275
EVALUATED BY: S. Williams
OTHER(S) PRESENT: B. White

Comments:
* MUST CLEAR LOT BEFORE LAYOUT *

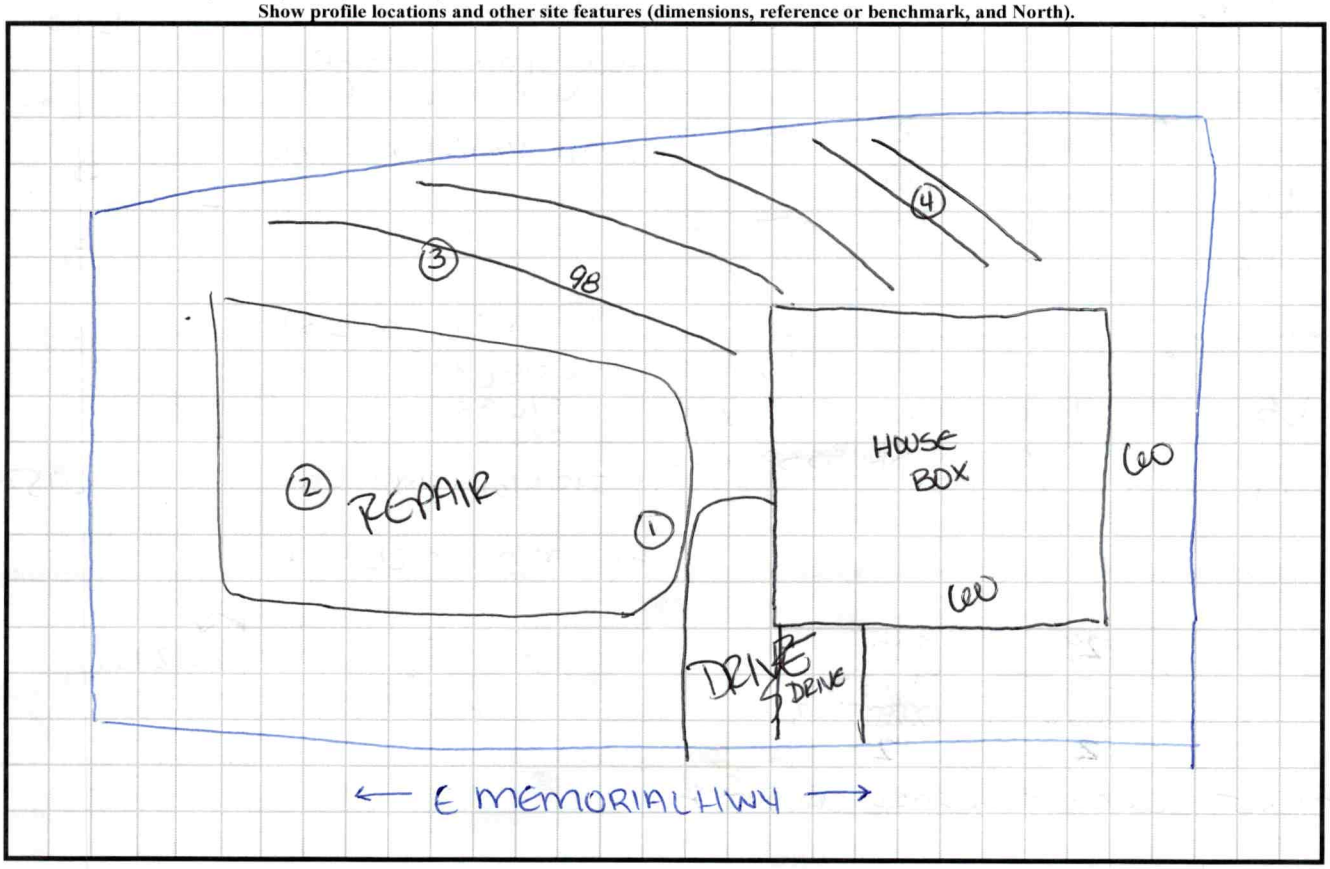
LEGEND

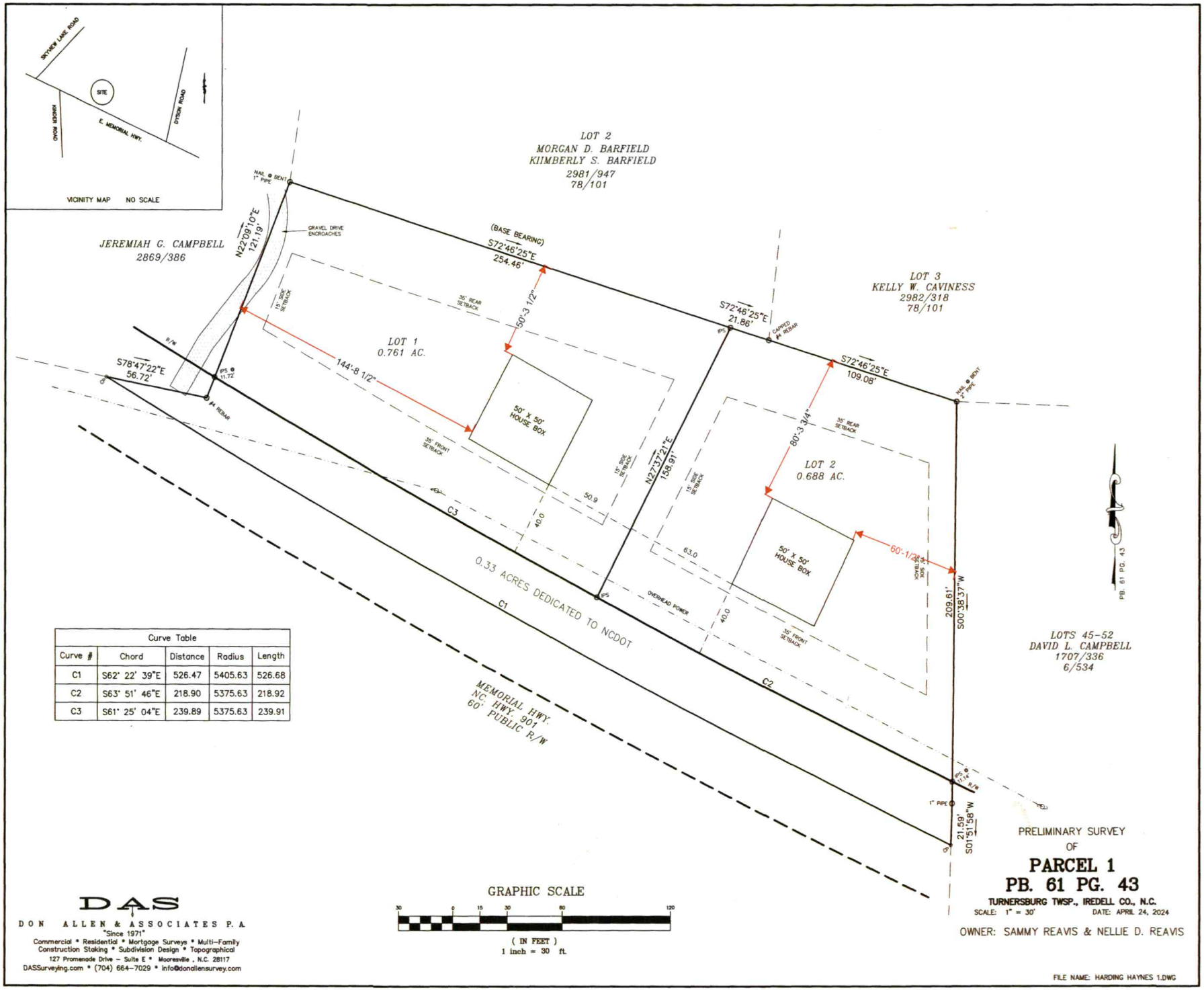
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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





Curve Table				
Curve #	Chord	Distance	Radius	Length
C1	S62° 22' 39"E	526.47	5405.63	526.68
C2	S63° 51' 46"E	218.90	5375.63	218.92
C3	S61° 25' 04"E	239.89	5375.63	239.91

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

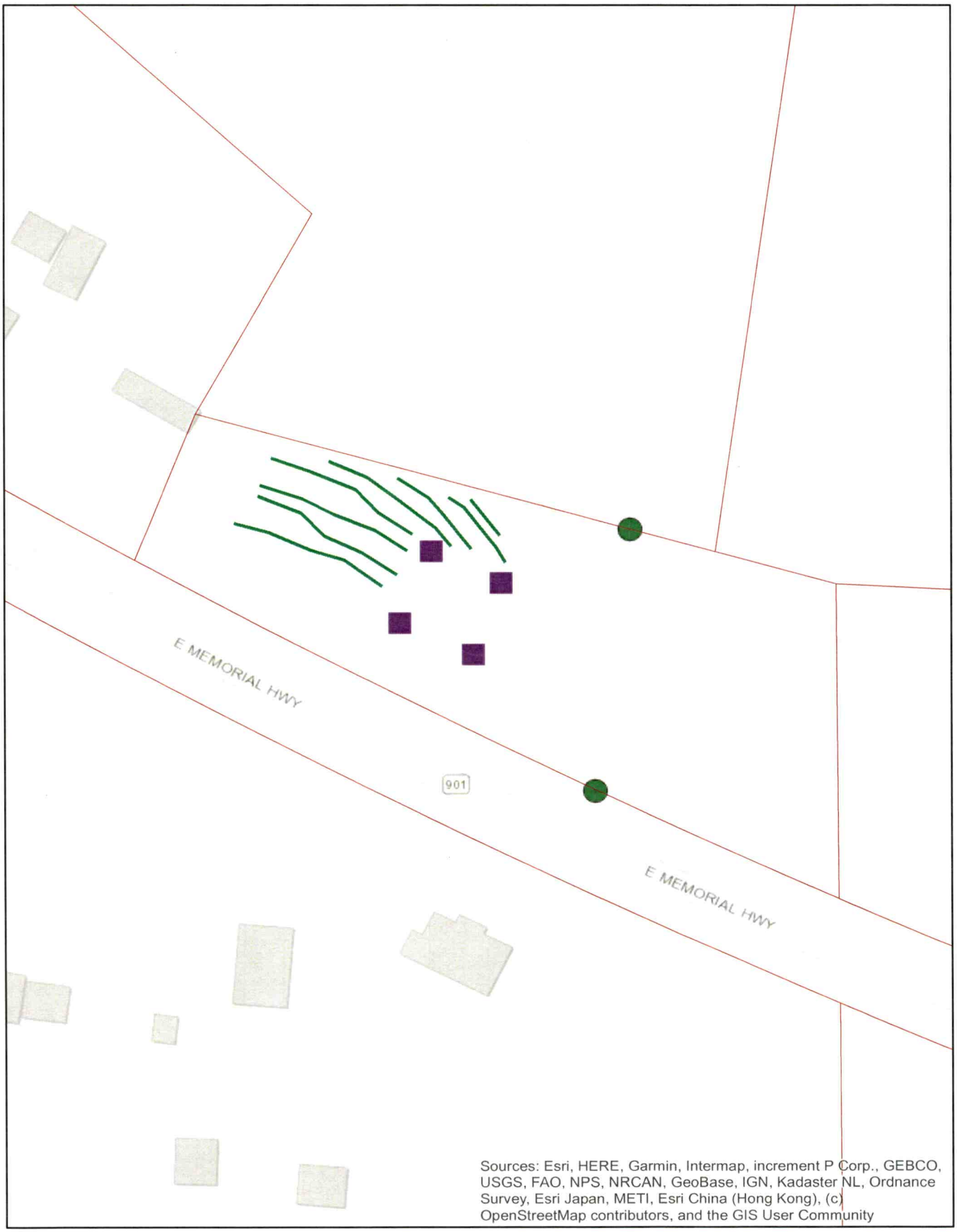
PRELIMINARY SURVEY
OF
PARCEL 1
PB. 61 PG. 43
TURNERSBURG TWSP., IREDELL CO., N.C.
SCALE: 1" = 30' DATE: APRIL 24, 2024

OWNER: SAMMY REAVIS & NELLIE D. REAVIS

DAS
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FILE NAME: HARDING HAYNES 1.DWG

1 inch = 100 feet



PERMIT SNAPSHOT REPORT OSWP-2024-53209 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	05/09/2024
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:**	Bracken, Sarah	**Approval Expire Date:**	
Description:	Lot Perk test - this is for lot 2 - 723 Memorial Hwy				

Parcel: 4880602760.000 Main	**Address:** 723 E Memorial Hwy Harmony, NC 28634 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
THOMAS TORRONE
107 E NEEL RANCH RD
MOORESVILLE, NC 28115

Applicant/Authorized Agent
Caldwell, Michael Shawn/Third Creek Building Company
MIKE CALDWELL
PO box 240
Cleveland, NC 27013
Mobile: (704) 223-3463

needs to be cleared

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	45x45
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 Foundation
Residential/Business/Other	Residential	Number of Employees	0	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	
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	May 15 2024 12:00AM	Zoning Permit Expiration Date	Nov 11 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	WSIII BOW HUNTING CREEK		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_MIKE_CALDWELL_5/9/2024.pg	05/09/2024 14:39	CALDWELL, MIKE		Uploaded via CSS
Signed Contract - 731 Memorial Hwy_v1.pdf	05/09/2024 14:45	CALDWELL, MIKE	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-215362	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	05/17/2024	05/17/2024 0:00	05/17/2024 0:00	05/17/2024 16:37	05/17/2024 16:37

Inspectors: Moore, Bradley (Primary)

Checklist Item	Description	Passed	Comments

PERMIT SNAPSHOT REPORT (OSWP-2024-53209)

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-00030946	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00030946	$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		05/09/2024 14:46	05/09/2024 14:46
Confirm application complete v.1	Generic Action		05/09/2024 14:46
Zoning Review v.1		05/15/2024 9:20	05/17/2024 8:35
~~Floodplain Admin Overview v.1~~	Task		05/15/2024 9:20
Iredell County Zoning Approval v.1	Task	05/15/2024 9:20	05/15/2024 9:21
Issue Invoice v.1	Generic Action		05/15/2024 9:21
Fees Paid v.1	Generic Action		05/17/2024 8:35
Fees v.1		05/17/2024 8:34	05/17/2024 8:35
Fees Paid v.1	Generic Action		05/17/2024 8:35
Issue Invoice v.1	Generic Action		05/17/2024 8:35
Lot Readiness Verification v.1		05/17/2024 16:37	
OSWP Septic Preliminary Site Visit v.1	Inspection	05/17/2024 16:37	05/17/2024 16:37
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		