(DB) DLDR-2024-45468

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP 2023-35412

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

PIN # 3793 -- 31 -- 4599

APPLICANT/OWNER: Steven Mantegna APPLICANT ADDRESS: 13 Eyring Road, Hillsborough, NJ 08844

SITE ADDRESS: 139 Arapaho Ct, Statesville, NC 28677 PHONE: (908) 566-6935 ALT. PHONE -

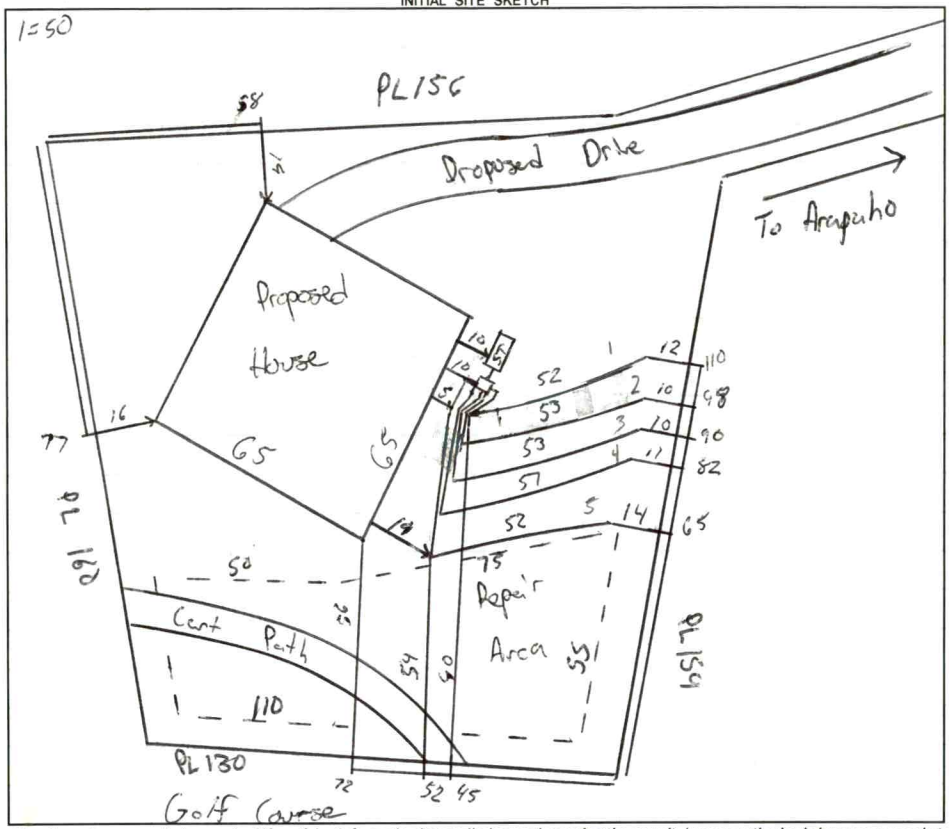
SITE DIRECTIONS: Sharon School, Mocksmill, Broken Arrow SAP CONTROLLED: ☑ YES ☐ NO

SUBDIVISION: Buffalo Shoals National Golf Club SECTION: - LOT # 68 LOT AREA: .68 AC DESIGN FLOW: 480 L.T.A.R.: .3

Septic Tank 1000 (gal)	STB 760	Date 3-7	☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI		☑ Residence	No. Bedrooms 4	Water Supply	
Pump Tank (gal)	PT	Date	System Description: 50% Reduction - Vertical		☐ Business	No. Persons 8	☐ Private	
Pump Make	Model	Serial #	Repair System Description: 50% Reduction - Vertical		☐ Other	No. Employees	☑ Public	
# Nitrification Fields 1	# Lines 5	Linear Ft 267	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	☐ Community	
Trench Width 24 in	Trench Bottom Depth(Low side) 25 in	Gravel Depth N/A	☑ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing		

Comments / Conditions: Install on contour with 8ft centers. Line lengths must stay within 10% of each other. Cart path impacts repair area. Cart path will need to be moved when repair area needs to be used.

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.

Line1 53
Line2 53
Line3 54
Line4 54
Line5 54

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: Specialty Septic

IMPROVEMENT PERMIT by: Matt Wiz Date: 10/6/23 OPERATION PERMIT by: Brian K Boster Date: 5/13/2024

AUTHORIZATION TO CONSTRUCT by: Matt Wiz Date: 1/24/24 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? _____	

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

Sheet 1 of 1
PROPERTY ID #: 379331454
COUNTY: Iredell

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

OWNER: Steven Montegna
ADDRESS: 13 Exline Road
PROPOSED FACILITY: SFR
LOCATION OF SITE: 131 Arapaho

APPLICATION DATE: 8/30/23
DATE EVALUATED: 9/28/23
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: .68 AC
PROPERTY RECORDED: YES

WATER SUPPLY: Private (Public) Well Spring Other
EVALUATION METHOD: Auger Boring (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	LS 14%	0-13	SCL/SBK	SS SP FI SE	-	53	36-53	-	P3 .3
		13-34	C/SBK	SS SP FR SE					
		34-53	LSAP/M						
2	LS 14%	0-13	SCL/SBK	SS SP FI SE	-	53	28-48	-	P3 .3
		13-28	C/SBK	SS SP FR SE					
		28-53	LSAP/M						
3	LS 7%	0-31	C/SBK	SS SP FR SE	-	50	SAP including 46-50	-	P3 .3
		31-50	CL/SBK	SS SP FR SE					
4	LS 14%	0-24	C/SBK	SS SP FR SE	-	53	SAP including 24	-	P3 .3
		24-53	LSAP/M						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	480	460
System Type(s)	80%	80%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): P3
EVALUATED BY: Matthew W
OTHER(S) PRESENT: Bradley M

COMMENTS: 301-632-5266

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.

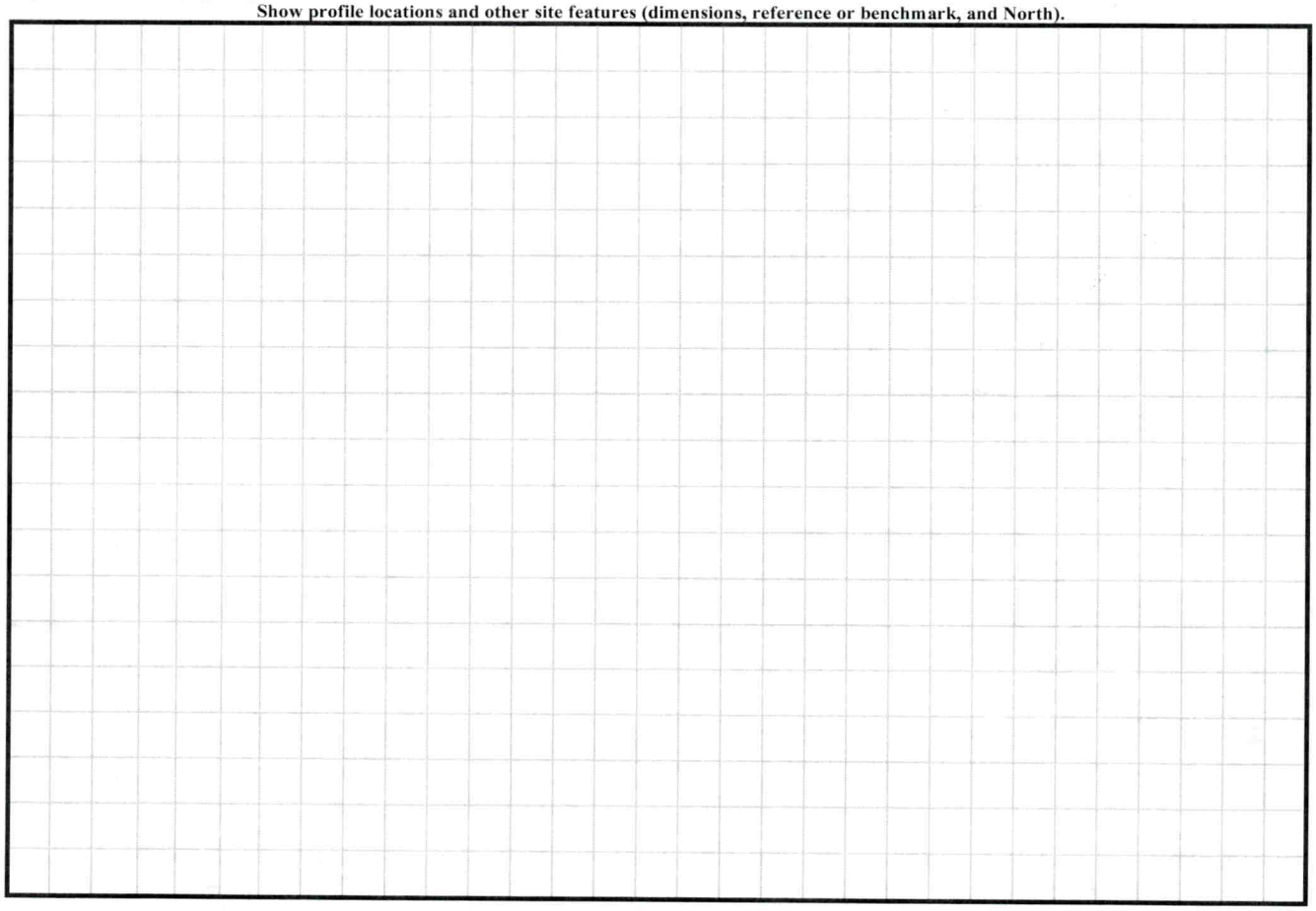
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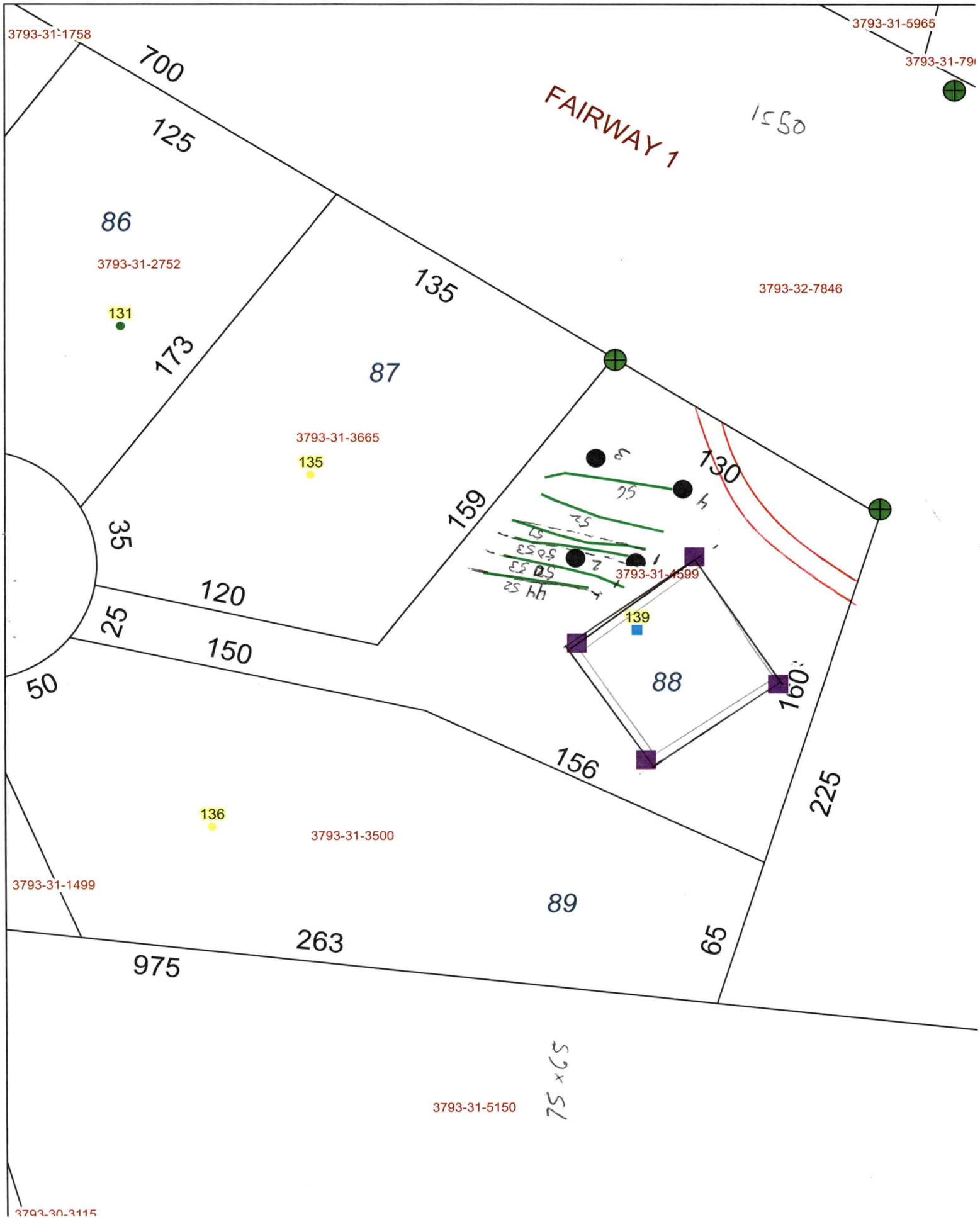
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

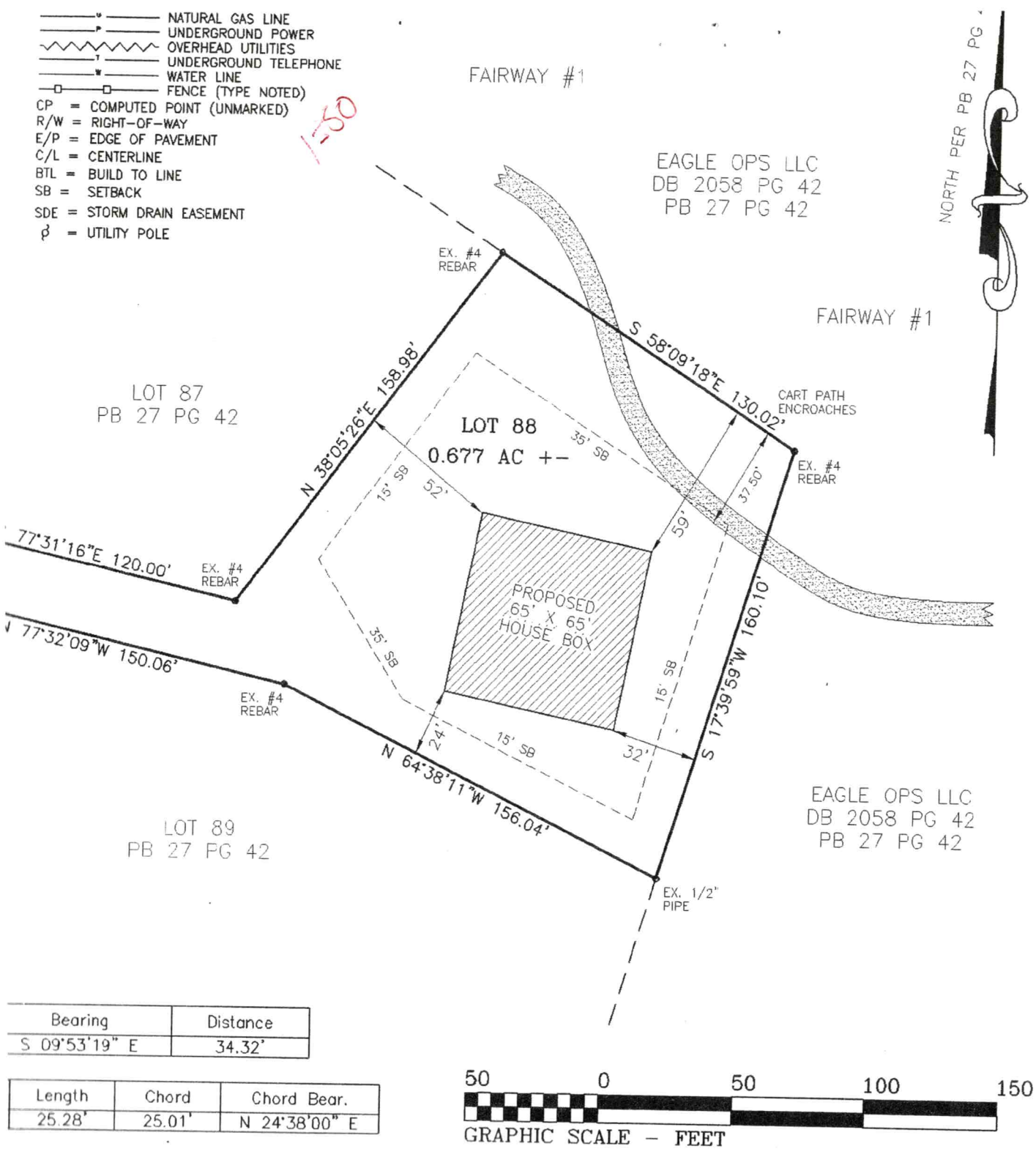
Evaluation of saprolite shall be by pits.

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

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




3793-31-1758
700
3793-31-5965
3793-31-79
FAIRWAY 1
1550
125
86
3793-31-2752
131
135
3793-32-7846
173
87
3793-31-3665
135
130
159
35
120
3793-31-4599
139
25
150
88
50
160
156
225
136
3793-31-3500
3793-31-1499
89
263
65
975
3793-31-5150
75 x 65
3793-30-3115



Bearing	Distance
S 09°53'19" E	34.32'

Length	Chord	Chord Bear.
25.28'	25.01'	N 24°38'00" E

NAME
NAME

LOT 88 OF BUFFALO SHOALS NATIONAL GOLF CLUB ESTATES
@ 139 ARAPAHO CT. STATESVILLE, NC

SHILOH TOWNSHIP - IREDELL COUNTY,
SCALE: 1" = 50'

DEDMON SURVEY

CHUCK POOVEY, PLS #3762
ROBERT DEDMON, PLS #3899
3704 NC HIGHWAY #16 NORTH
P.O. BOX 494 - DENVER, NC 28037
PHONE: 704/483/4908
FIRM #C-0453

WWW.DEDMONSURVEYS.COM

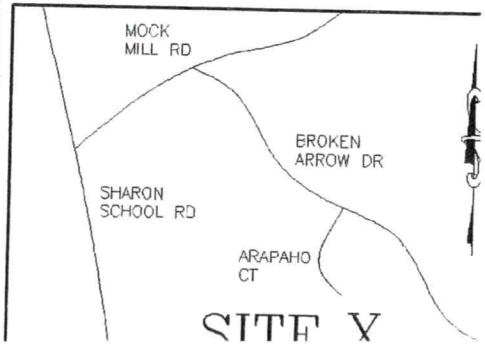
NORTH CAROLINA PROFESSIONAL SEAL L-3762 LAND SURVEYOR DAVID C. POOVEY

I CERTIFY THAT THIS PLAT WAS SURVEYED AND DRAWN FROM AN ACTUAL SURVEY MADE UNDER SUPERVISION DB 1040, PG 141; PB 27, PG 42; THAT BOUNDARIES NOT SURVEYED ARE DRAWN FR DB , PG ; THAT THE RATIO OF PRECISION EXCEE 1:10000; THAT THIS PLAT MEETS THE REQUIREME OF THE STANDARDS OF PRACTICE FOR NC (21 NCAC56.1600), WITNESS MY OFFICIAL SEAL AND SIGNATURE THIS 24TH DAY OF AUGUST, AD 2023.

PROFESSIONAL LAND SURVEYOR — L-3762 LICENSE NO.

SURV. BY: KPJ	DRAWN: KPJ	JOB# ARAPBE

VICINITY MAP



SITE V

PERMIT SNAPSHOT REPORT OSWP-2023-35412 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: Wilkinson, Matthew

App Date: 08/30/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: Septic Improvement permit for undeveloped lot in a subdivision. 9/12 Called Steven. He gave me Candy Lamonica's name and number as a local contact for all visits. See internal notes for number. GM Called Candy, HB is going to be turned slightly, need surveyors to move HB. She will call back when completed. GM 9/18 Candy Called site ready GM Site is ready GM

Parcel: 3793314599.000 Main
Address: 139 Arapaho Ct Main
Statesville, NC 28677
Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
Steven Mantegna
13 Eyring Road
Hillsborough, NJ 08844
Mobile: (908) 566-6935

Property Owner
Etta Dehart
Home: (000) 000-0000
Business: (000) 000-0000
Mobile: (828) 455-6519

Permit Custom Fields

How is your site plan being submitted	Survey Plat	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	House envelope 75x65
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain	none	Number of Occupants	2	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	No Preference
Has this project been approved by TRC	No	Lot Acreage	0.68	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Sep 11 2023 12:00AM	Zoning Permit Expiration Date	Mar 9 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	WSIV PA CATAWBA/LAKE NORMAN				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Steven_Mantegna_8/30/2023.jpg	08/30/2023 13:40	Mantegna, Steven		Uploaded via CSS
139-Arapaho-Iredell_Autho_Form_-_Septic__1__v1.pdf	08/31/2023 10:15	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent
septic drawing 139 Arapaho Ct_.pdf	09/08/2023 10:28	Williams, Deborah	Available Online	site plan
site_drawing_139_Arapaho_Ct_Statesville_for_Mantegna_v1.pdf	09/08/2023 10:33	Williams, Deborah	Available Online	Site Plan
SURVEY with building envelope Arapaho Ct 139 Mantegna 2023.pdf	09/08/2023 15:21	Williams, Deborah	Available Online	revised site plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-140850	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	09/18/2023	09/18/2023 0:00	09/18/2023 0:00	09/18/2023 17:15	09/18/2023 17:15

Inspectors: McLeod, Grace (Primary)

Checklist Item	Description	Passed	Comments

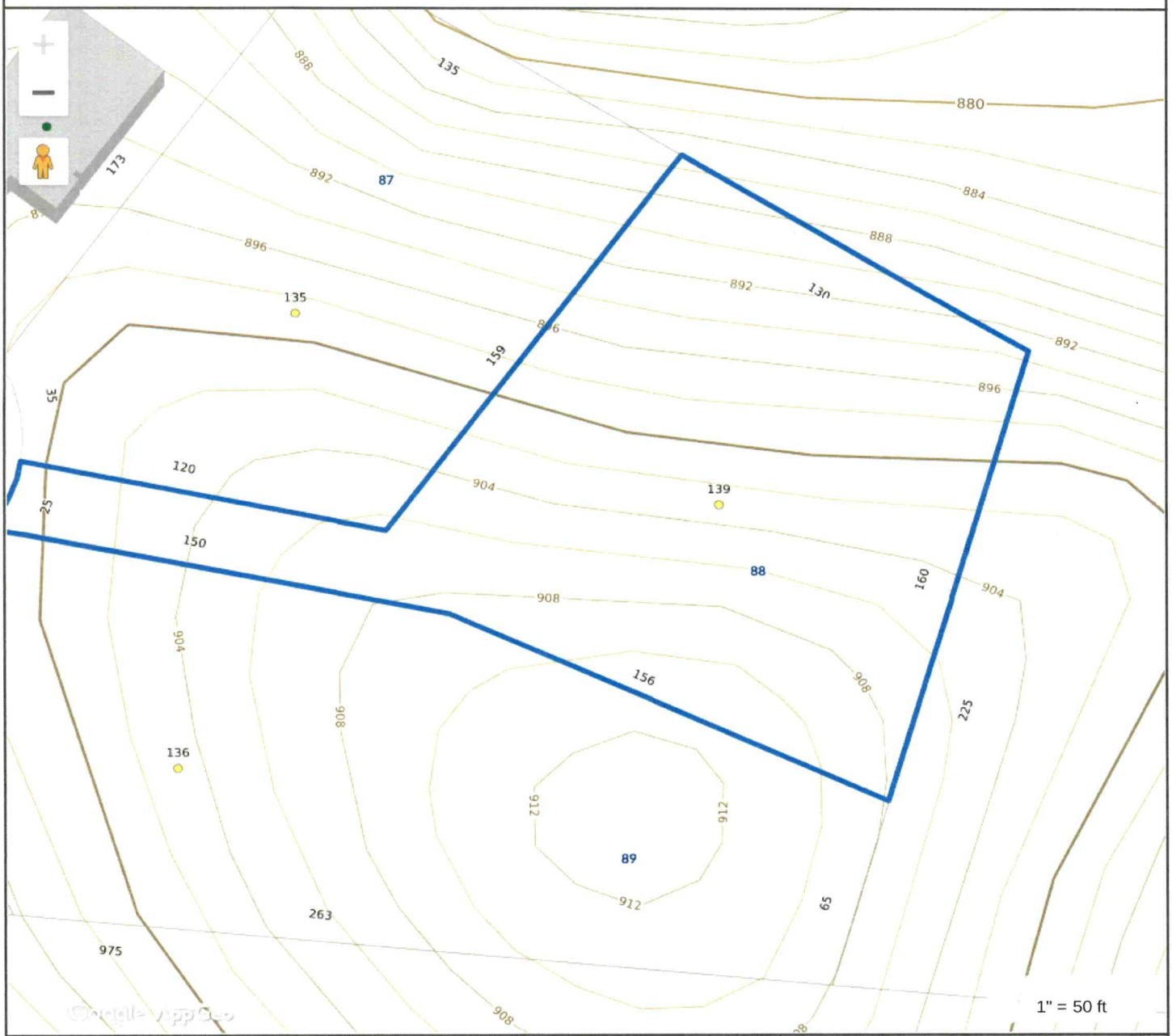
PERMIT SNAPSHOT REPORT (OSWP-2023-35412)

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. setbacks ok per LM	Deborah Williams	09/08/2023 10:39
2. 9/12 Spoke to Steven. He gave me local contact Candy LaMonica 951-903-5963 Please call her to coordinate any visits. She stated HB is being turned slightly as shown on site plan with pink box. Surveyors needs to move stakes. She will call back when completed.. GM	Grace McLeod	09/12/2023 9:20
3. 9/18 Candy Called stated site ready. Site is Ready GM	Grace McLeod	09/18/2023 17:13

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00020479	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-00020479	$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		09/08/2023 9:54	09/08/2023 9:54
Confirm application complete v.1	Generic Action		09/08/2023 9:54
Fees v.1		09/11/2023 12:40	09/11/2023 12:40
Issue Invoice v.1	Generic Action		09/11/2023 12:40
Fees Paid v.1	Generic Action		09/11/2023 12:40
Lot Readiness Verification v.1		09/18/2023 17:14	
OSWP Septic Preliminary Site Visit v.1	Inspection	09/18/2023 17:14	09/18/2023 17:15
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		09/08/2023 10:27	09/11/2023 14:02
~~Floodplain Admin Overview v.1~~	Task		09/08/2023 10:28
Iredell County Zoning Approval v.1	Task	09/08/2023 10:27	09/11/2023 14:02
Issue Invoice v.1	Generic Action		09/08/2023 10:28
Fees Paid v.1	Generic Action		09/11/2023 12:40
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		



Tax Map Information

• PIN	3793314599.000
• Address	139 ARAPAHO CT
• Account #	Acct 80022520
• Tax Owner	DEHART ETTA H
• Mailing Address	3493 OVERBROOK DR
•	CONOVER, NC 28613
• GIS Owner	DEHART ETTA H
• Deed Info	1040 / 141 - DD - 20100206
• Tax Acres	0.68 AC
• Lot #	88
• Description	BUFFALO SHOALS NATL GOLF CLUB EST BLKC PB27-42-45
• Zoning	RA
• Old Parcel #	
• Bldg Value	$0
• OBXF Value	$0
• Land Value	$29,750

IREDELL COUNTY NC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 09/27/2023
Data updated 09/27/2023

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

• **Total Value**	$29,750		
• **Defer Value**	$0		
• **Tax Districts**	-ALLCNTY FIRE- -		

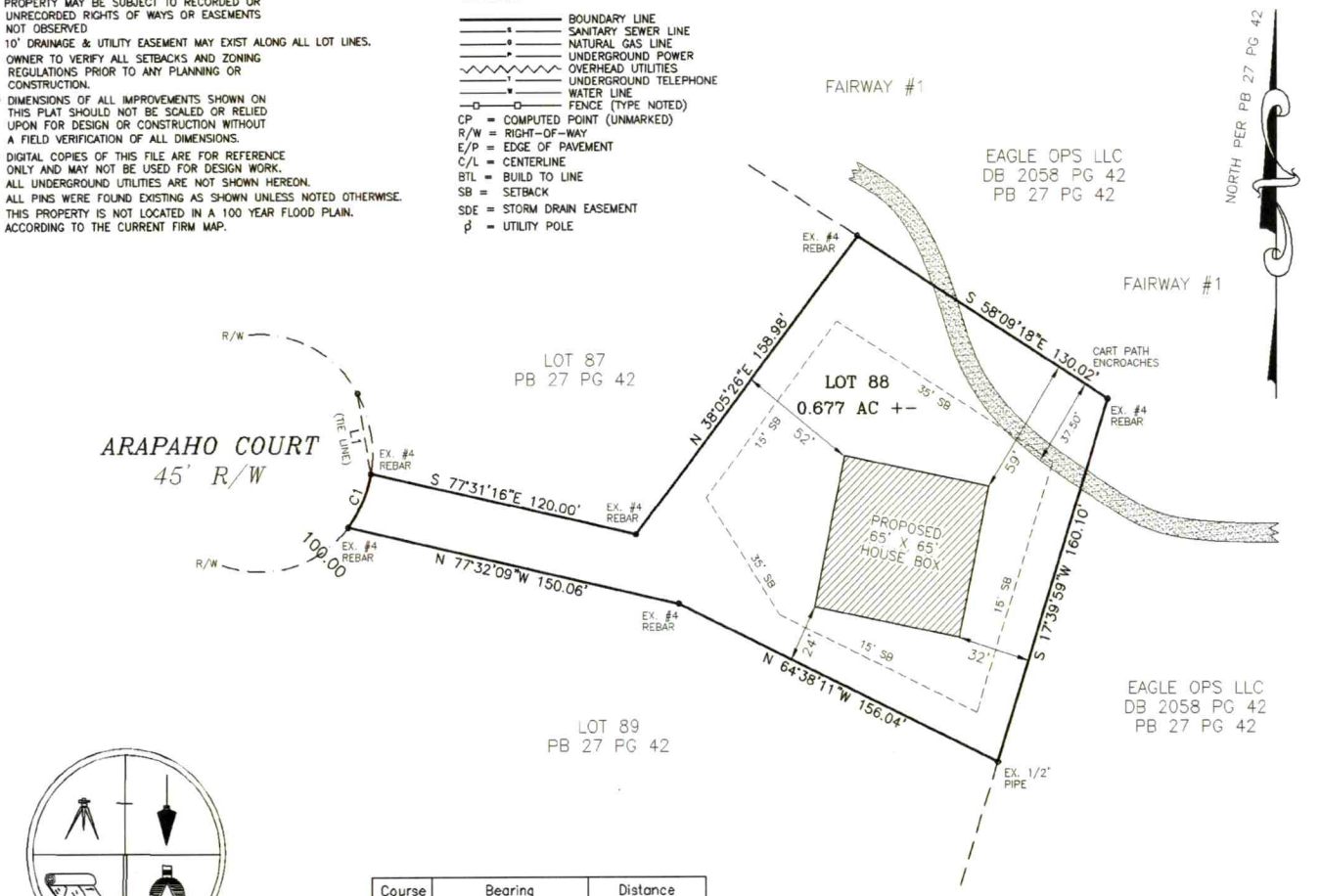
NOTES:

- PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS OF WAYS OR EASEMENTS NOT OBSERVED
- 10' DRAINAGE & UTILITY EASEMENT MAY EXIST ALONG ALL LOT LINES.
- OWNER TO VERIFY ALL SETBACKS AND ZONING REGULATIONS PRIOR TO ANY PLANNING OR CONSTRUCTION.
- DIMENSIONS OF ALL IMPROVEMENTS SHOWN ON THIS PLAT SHOULD NOT BE SCALED OR RELIED UPON FOR DESIGN OR CONSTRUCTION WITHOUT A FIELD VERIFICATION OF ALL DIMENSIONS.
- DIGITAL COPIES OF THIS FILE ARE FOR REFERENCE ONLY AND MAY NOT BE USED FOR DESIGN WORK.
- ALL UNDERGROUND UTILITIES ARE NOT SHOWN HEREON.
- ALL PINS WERE FOUND EXISTING AS SHOWN UNLESS NOTED OTHERWISE.
- THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD PLAIN. ACCORDING TO THE CURRENT FIRM MAP.

LEGEND:

- BOUNDARY LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- UNDERGROUND POWER
- OVERHEAD UTILITIES
- UNDERGROUND TELEPHONE
- WATER LINE
- FENCE (TYPE NOTED)

CP = COMPUTED POINT (UNMARKED)
R/W = RIGHT-OF-WAY
E/P = EDGE OF PAVEMENT
C/L = CENTERLINE
BTL = BUILD TO LINE
SB = SETBACK
SDE = STORM DRAIN EASEMENT
ṗ = UTILITY POLE



Course	Bearing	Distance
L1	S 09°53'19" E	34.32'

Curve	Radius	Length	Chord	Chord Bear.
C1	50.00'	25.28'	25.01'	N 24°38'00" E

50 0 50 100 150

GRAPHIC SCALE - FEET

DEDMON SURVEYS

PHYSICAL SURVEY
FOR

NAME
NAME

LOT 88 OF BUFFALO SHOALS
NATIONAL GOLF CLUB ESTATES
@ 139 ARAPAHO CT. STATESVILLE, NC

SHILOH TOWNSHIP - IREDELL COUNTY, NC
SCALE: 1" = 50'

DEDMON SURVEYS

CHUCK POOVEY, PLS #3762
ROBERT DEDMON, PLS #3899
3704 NC HIGHWAY #16 NORTH
P.O. BOX 494 - DENVER, NC 28037
PHONE: 704/483/4908
FIRM #C-0453
WWW.DEDMONSURVEYS.COM

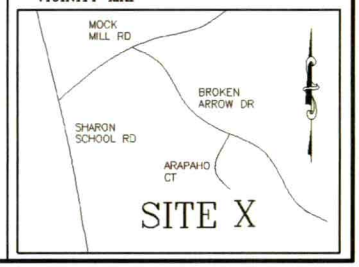
NORTH CAROLINA PROFESSIONAL SEAL L-3762 LAND SURVEYOR DAVID C. DEDMON

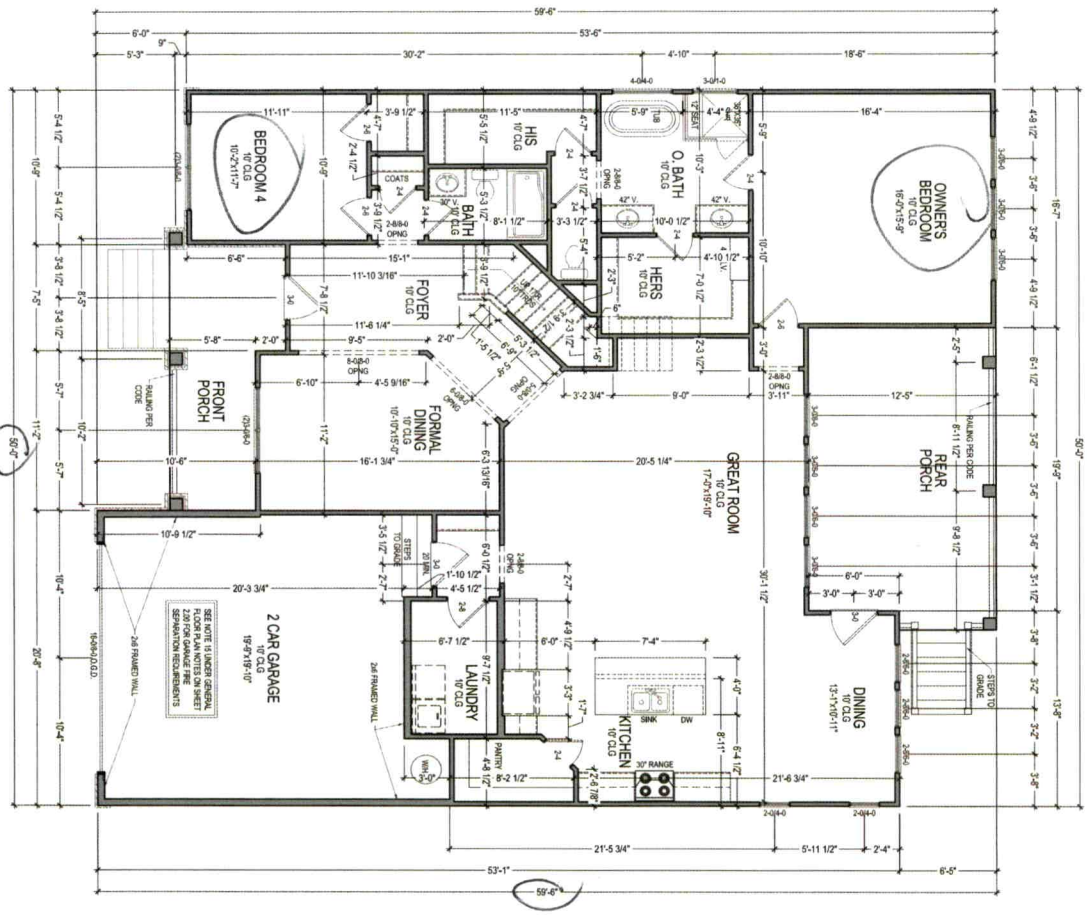
I CERTIFY THAT THIS PLAT WAS SURVEYED AND DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DB 1040, PG 141; PB 27, PG 42; THAT BOUNDARIES NOT SURVEYED ARE DRAWN FROM DB . PG ; THAT THE RATIO OF PRECISION EXCEEDS 1:10000; THAT THIS PLAT MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR NC (21 NCAC56.1600), WITNESS MY OFFICIAL SEAL AND SIGNATURE THIS 24TH DAY OF AUGUST, AD 2023.

PROFESSIONAL LAND SURVEYOR — L-3762 LICENSE NO.

SURV. BY: KPJ	DRAWN: KPJ	JOB# ARAP88

VICINITY MAP





FIRST FLOOR PLAN

SCALE: 1/4"=1'-0" ON 22x34 AND 1/8"=1'-0" ON 11x17

PLAN NOTE:
DOOR HEIGHTS ON THIS FLOOR ARE 8'-0" U.N.O.

REVISIONS:	
DATE:	DRAWN BY:
DESIGNED BY:	CBG
DRAWN BY:	CBG
DATE:	11-28-23
JOB #:	2345
SHEET #:	5.01

Mantegna - Davidson Elev 3

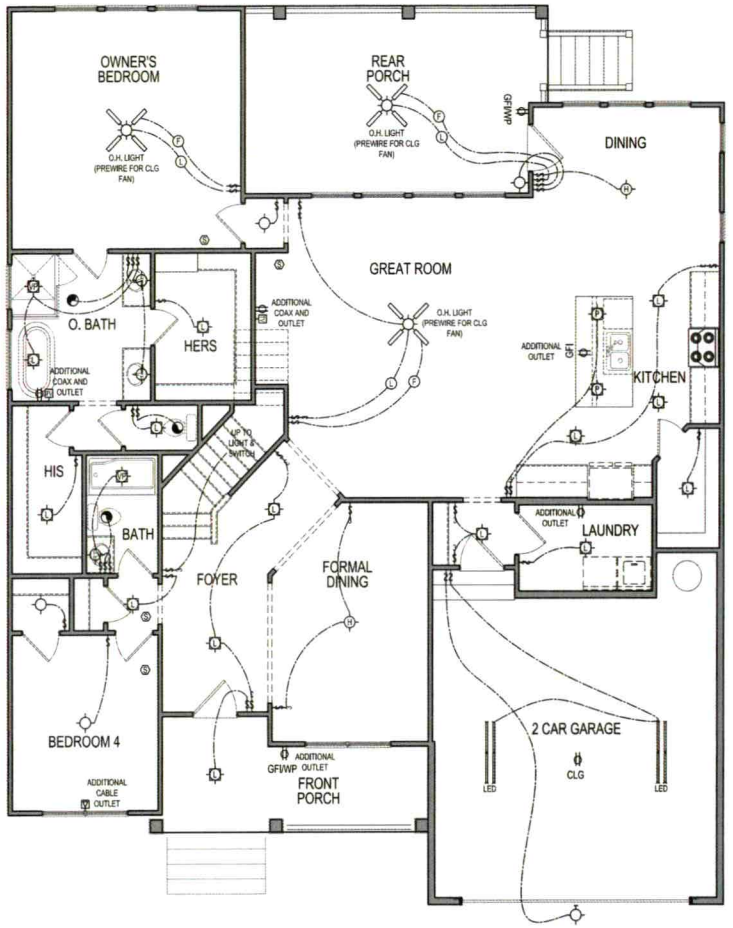
139 Arapaho Ct.,
Statesville, NC 28677

FIRST FLOOR PLAN

CARUSO HOMES

CORNERSTONE BUILDERS GROUP
DESIGN · BUILD · RENOVATE
PO Box 5322
Clover, SC. 29710
P. 919-630-6919 P. 704-201-8489
www.CornerstoneCarolina.com

OUTLET NOTE:
STANDARD OUTLETS TO BE INSTALLED PER APPLICABLE JURISDICTION'S CURRENT ELECTRICAL CODE



CORNERSTONE BUILDERS GROUP
DESIGN · BUILD · RENOVATE
PO Box 5322
Clover, SC 29710
P. 704-201-8489
O. 919-630-6919
www.Cornerstonecarolinas.com

CARUSO HOMES

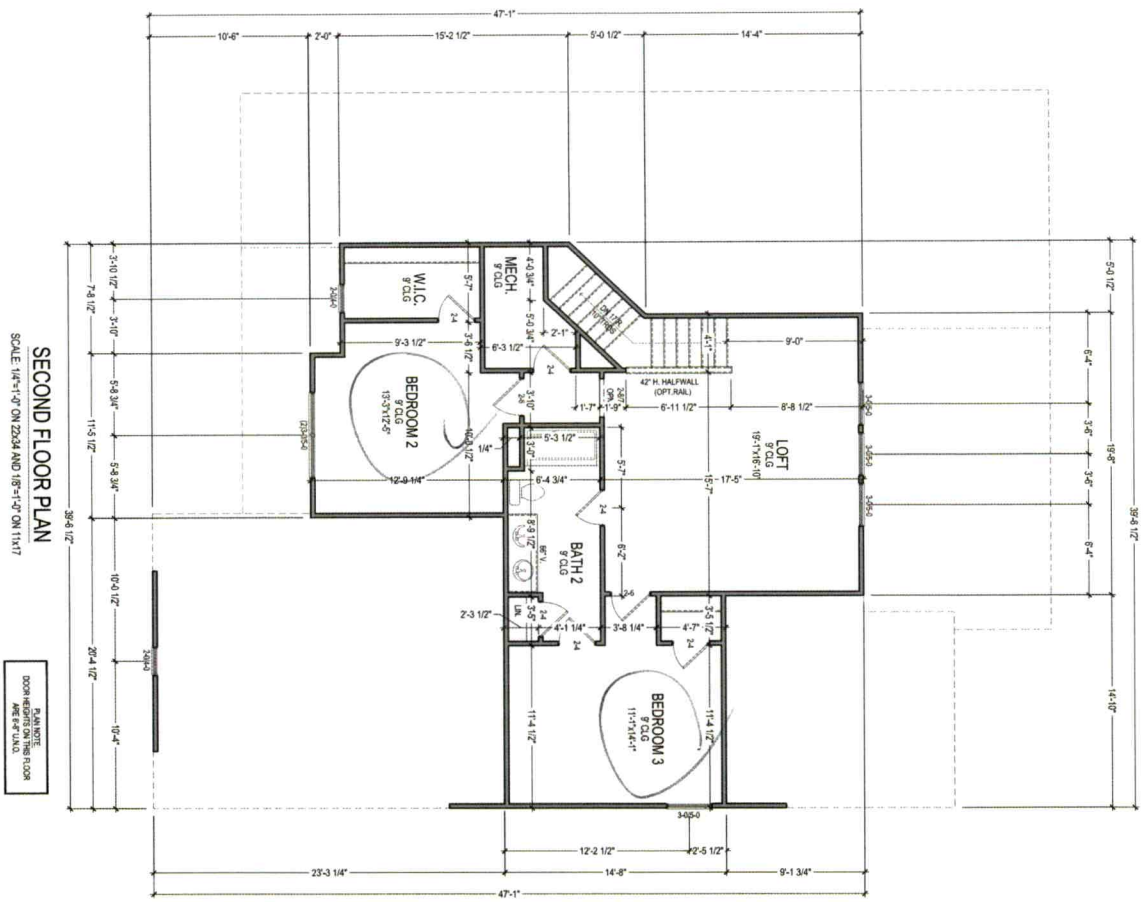
Mantegna - Davidson Elev 3

139 Arapaho Ct.,
Statesville, NC 28677

FIRST FLOOR ELECTRICAL PLAN

REVISIONS:	
DATE:	DRAWN BY:

DESIGNED BY:	CBG
DRAWN BY:	CBG
DATE:	11-28-23
JOB #:	23-615
SHEET #:	6.01



SECOND FLOOR PLAN

SCALE: 1/4"=1'-0" ON 22x34 AND 1/8"=1'-0" ON 11x17

ALL INTERIOR DOOR HEIGHTS ON THIS FLOOR ARE 8'-0" U.N.O.

REVISIONS:	
SHEET #:	5.30
JOB #:	23-015
DATE:	11-28-23
DESIGNED BY:	CBC
DRAWN BY:	CBC

Mantegna - Davidson Elev 3

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SECOND FLOOR PLAN

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