ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2024-44871

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

PIN # 4658-18-2304

APPLICANT / OWNER: BWA BUILDERS LLC | APPLICANT ADDRESS: 109 AIRPLANE COURT, MOORESVILLE, NC 28117

SITE ADDRESS: 102 SPARTA DR, MOORESVILLE, NC 28117 | PHONE: 7045008754 | ALT. PHONE:

SITE DIRECTIONS: N NC21 -> L Cornelius -> R Olympia -> R Sparta | SAP CONTROLLED: YES ☑ NO ☐

SUBDIVISION: Cornelius Estates | SECTION: N/A | LOT #: 21+27 | LOT AREA: 5.483 | DESIGN FLOW: 480 | L.T.A.R.: 0.35

Septic Tank: 1000 (gal)	STB: Ind. Treated	Date:	☒ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: LPPBPS		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 344	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield. Install on contour, divert all drainage.

INITIAL SITE SKETCH

See attached site plan by ICHD

AS BUILT SKETCH

Installed as drawn

86

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: _____ Date: _____ Installed By: Ryan Byers

IMPROVEMENT PERMIT by: DWreberg Date: 1/25/24 OPERATION PERMIT by: [illegible] Date: 3/21/24

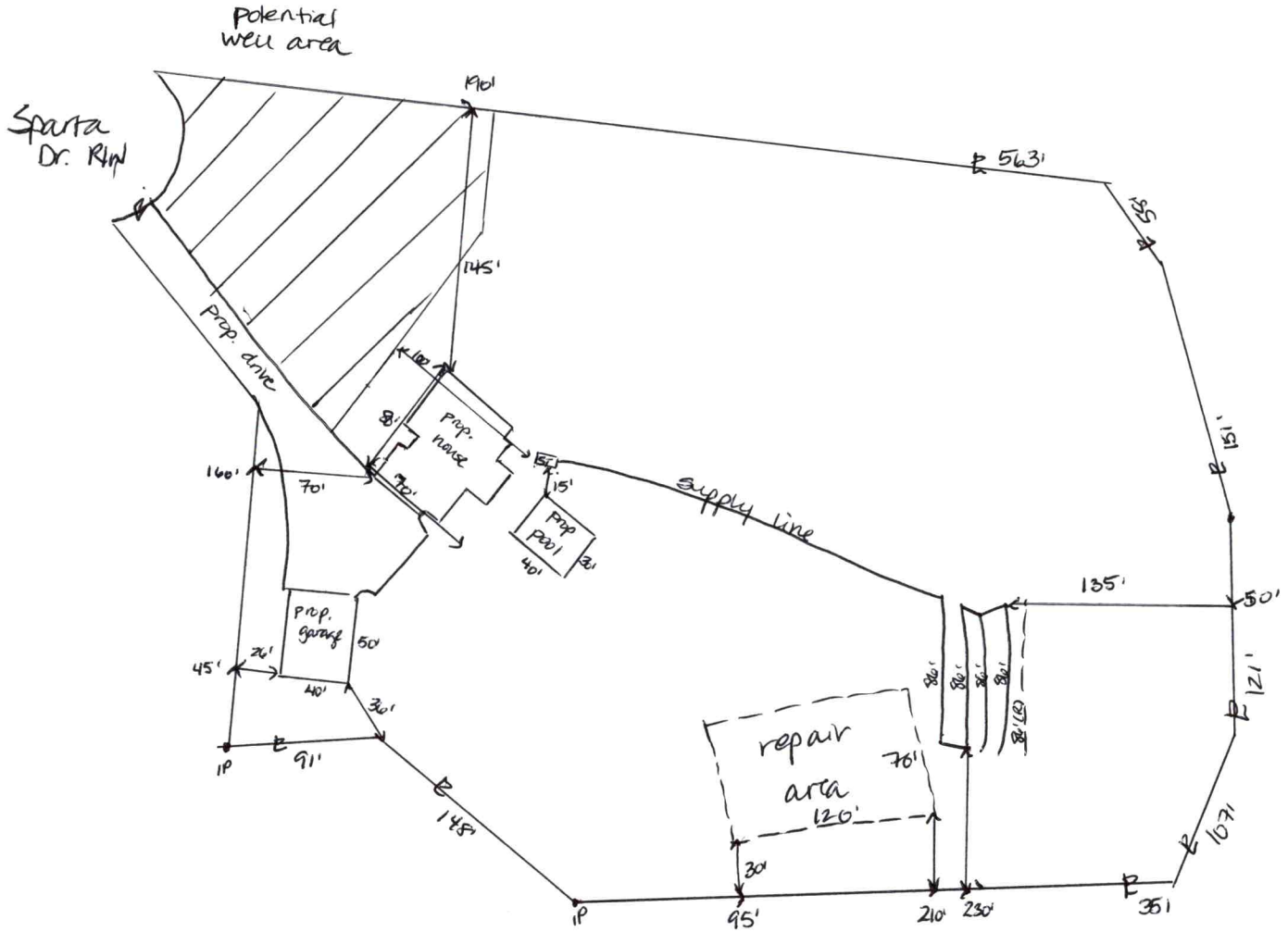
AUTHORIZATION TO CONSTRUCT by: DWreberg Date: 1/25/24 Existing System Inspected By: _____ Date: _____

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.

updated house location 1/29/24 DW

1" = 100'

102 Sparta Dr.
Mooresville NC



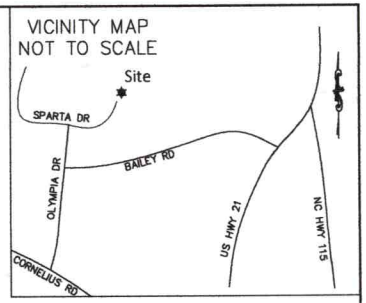
Ensure adequate fall from tank to drain field ("1/8" per foot)

I, JIMMY N. FAIRES, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; DEED DESCRIPTION AND/OR MAP BOOK SEE PAGE NOTE #2.; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK N/A, PAGE N/A.; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS ____ DAY OF _____, 2024.

PRELIMINARY
JIMMY N. FAIRES, PLS
LICENSE NUMBER: L-4311

PRELIMINARY PLAN NOT FOR RECORDATION CONVEYANCES AND/OR SALES





PARCEL ID: 4658-19-1022
ROBERT T. BEARD
DB: 2941 PG: 879
PB: 44 PG: 75
LOT 27

PARCEL ID: 4658-08-8700
LAFREDA D FERRELL
DB: 2594 PG: 1564
PB: 44 PG:12
LOT 61

PARCEL ID: 4658-08-8507
LAFREDA D FERRELL
DB: 2594 PG: 1564
PB: 44 PG:12
LOT 60

PARCEL ID: 4658-08-8287
KARLY BAUGHMAN
DB:2527 PG: 247
PB: 43 PG: 52
PORTION OF LOT 21

PARCEL ID: 4658-08-7193
JACQUELYN L FLATT
DB:2527 PG: 247
PB: 53 PG: 98
LOT 3

PARCEL ID: 4659-21-4088
BRIAN F. & BRADLEY W. MILLS
DB: 2398 PG: 430

PARCEL ID: 4658-19-8025
NATHAN S. & JONNI J.K. CAROTHERS
DB: 2883 PG: 400

PARCEL ID: 4658-18-6025
THOMAS M. & MACKENZIE J. GANNON
DB: 2497 PG: 1047

Portion of
LOT 21
238611 SF
5.478 AC

N79°42'39"E 151.09'
S86°12'21"E 120.86'
S63°24'16"E 107.21'
N58°27'01"E 57.81'
35' Rear Setback
15' Side Setback
S06°19'09"W 351.02'
N11°29'48"E 563.24'
S45°13'35"W 147.62'
S01°32'32"W 91.16'
N79°15'00"W 194.41'
S54°16'43"W 131.06'
S50°24'30"W 84.81' Rad. Line
35' Front Setback
Proposed Pool
Proposed Residence
Proposed Detached Garage
Found #5 Rebar
Found Pipe
Found #4 Rebar
Found #4 Rebar Bent
C1
Sparta Drive
50' Public R/W
PB: 43 PGS: 52-54
R/W

CURVE TABLE				
CURVE	RADIUS	ARC	BEARING	CHORD
C1	49.69'	110.19'	N 69°34'31" W	88.96'

LEGEND
R/W = Right-of-Way
(T) = Telephone
[E] = Electrical Transformer

SURVEYOR NOTES

1. ALL DIMENSIONS SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE HORIZONTAL GROUND DISTANCES P UNLESS OTHERWISE INDICATED. AREA BY COORDINATE METHOD.
2. THIS SURVEY IS BASED ON DEED BOOK 2812 PAGE 1499 AND PLAT BOOK 44 PAGE 75 AS RECORDED AT THE IREDELL COUNTY REGISTER OF DEEDS.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION BY AN ATTORNEY. THE PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY, EASEMENTS, RESTRICTIVE COVENANTS OR CONDITIONS NOT OBSERVED OR SHOWN HEREON.
4. SUBJECT PARCEL LIES WITHIN A SUBDIVISION PREVIOUSLY TIED TO NC GRID.
5. BASIS OF BEARINGS. PLAT BOOK: 43, PAGE: 52-54 DATED: 8/25/2003.
6. ALL CORNERS "FOUND" OR "SET" ARE FLUSH WITH THE GROUND, UNLESS OTHERWISE NOTED. POINTS NOT LABELED "FOUND" OR "SET" ARE COMPUTED POINTS.
7. THE LOCATION OF UTILITIES AS SHOWN HEREON, WHETHER PUBLIC OR PRIVATE, ARE BASED ON THE LOCATION OF VISIBLE ABOVE GROUND APPURTENANCES ONLY. OTHER UTILITIES WHICH WERE NOT OBSERVED AND NOT SHOWN HEREON MAY EXIST. IT IS THE OWNERS/TENANTS RESPONSIBILITY TO VERIFY THE LOCATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. GEOMATIC CONCEPTS, PLLC CANNOT ASSUME RESPONSIBILITY FOR MISIDENTIFICATION OR OMISSION OF UNDERGROUND UTILITIES.
8. THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.
9. THIS PROPERTY LIES IN FLOOD ZONE "X" AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL 3710465800J, WITH AN EFFECTIVE DATE OF 3/18/2008.

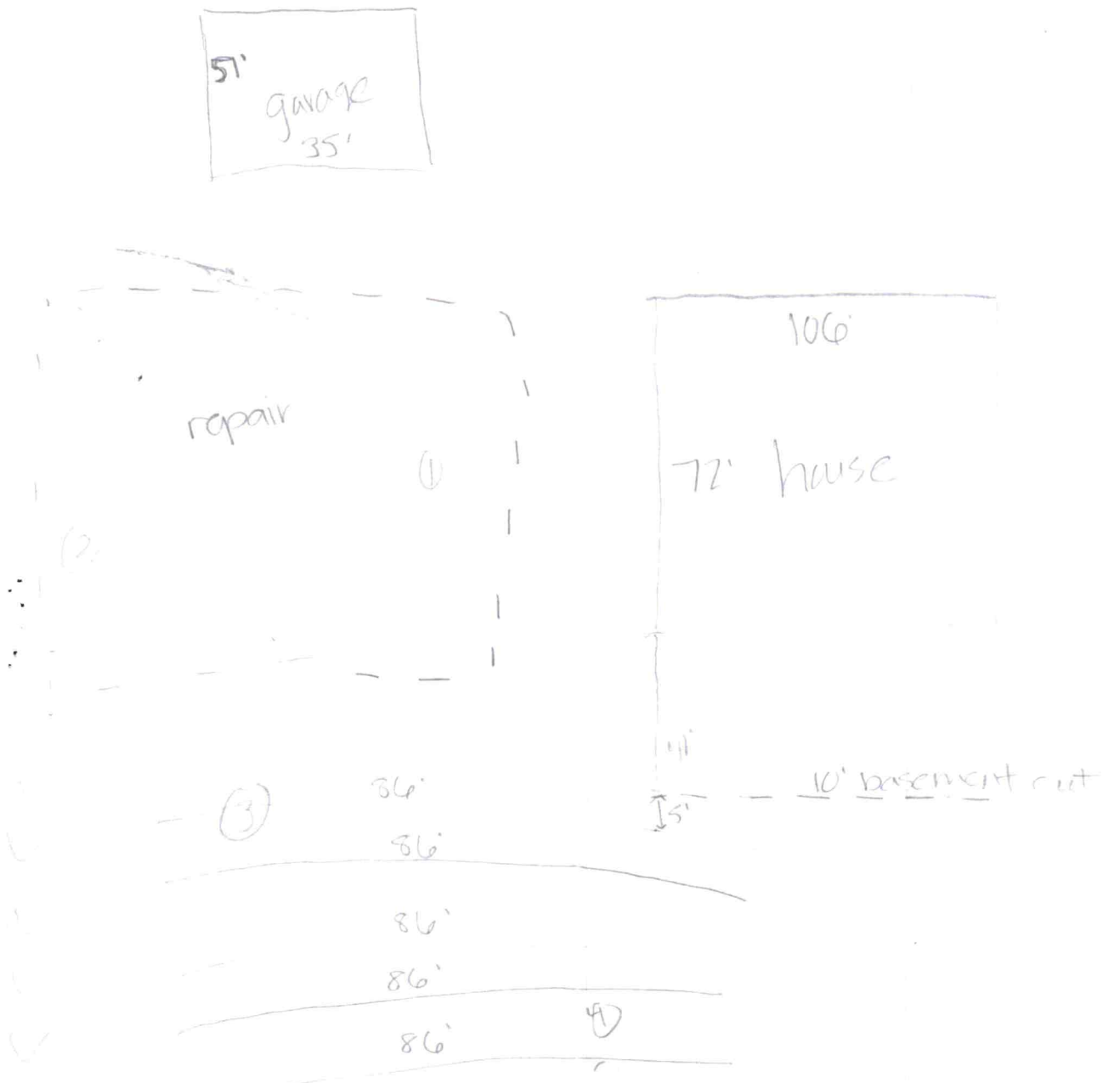
GRAPHIC SCALE
60 0 30 60
(IN FEET)
1 inch = 60 feet

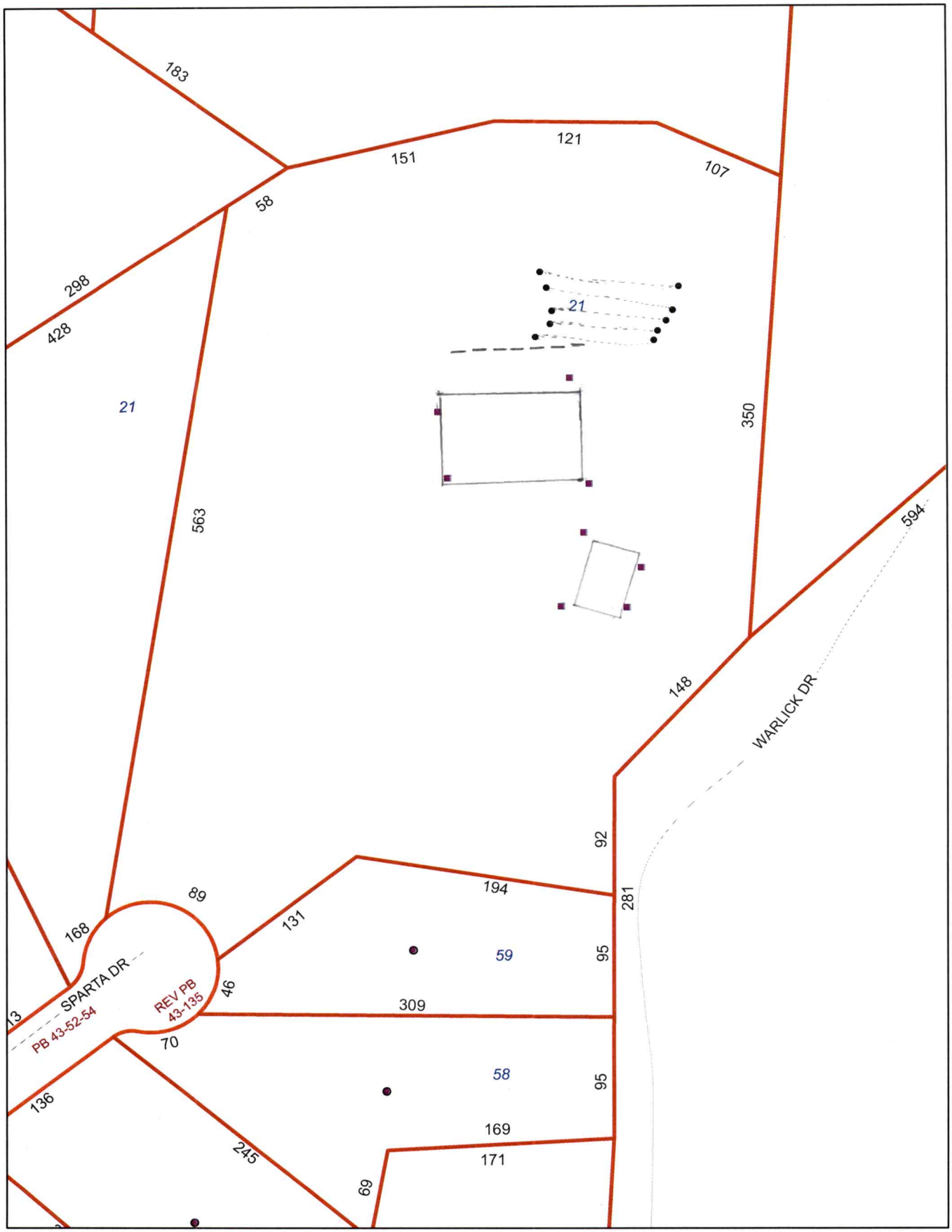
PLOT PLAN
PORTION OF LOT 21
CORNELIUS ESTATES
PLAT BOOK: 43 PAGE: 54
102 SPARTA DRIVE, NC
CODDLE CREEK TOWNSHIP, IREDELL COUNTY, NORTH CAROLINA

Prepared For:	Owner:
BWA BUILDERS, LLC 109 AIRPLANE COURT MOORESVILLE, NC 28117	THOMAS A & BARBARA PFEEFER 220 GOLDEN VALLEY DR MOORESVILLE, NC 28115

GEOMATIC CONCEPTS, PLLC
NC LICENSE #: P-1031
470 NORTH BROAD STREET, SUITE A, MOORESVILLE, NC 28115
PHONE: 704-664-1994 EMAIL: JIMMY.FAIRES@GEOMATICCONCEPTS.COM

Drawn By: WAP	Checked By: JNF	Scale	Project No.
Tax Parcel: 4658-18-2304		1" = 60'	24002
Date: January 27, 2024			Sheet No.
File: 24002-Lot-21-Cornelius-Estates.dwg			1 of 1


51'
garage
35'
repair
106'
72' house
41'
5'
10' basement cut
36'
86'
86'
86'
86'
1
2
3
4



1 inch = 100 feet

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

Sheet 1 of 1
PROPERTY ID #: 4658182304
COUNTY: Iredell

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

OWNER: Jason Stevenson
APPLICATION DATE 4-28-19
ADDRESS: 102 Sparta Dr.
DATE EVALUATED: 5-17-19
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 600gpd
PROPERTY SIZE: 5.483 ac
LOCATION OF SITE: US 21 N → L on Cornelius → R on Olympia → R on Sparta → lot on Lateral
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 repair	10% LS	0-20	WSBK CL	Fr, SS, SP, SE	—	20	0-20 com-many SAP	inc.	PS .35
		20-60	SL SAP mass	NS, NP, VFr					
2 repair	11% LS	0-4	WSBK SCL	Fr, SS, SP, SE	—	49	16-49 com-many SAP	inc.	PS .3
		4-16	SBK C	Fr, SS, SP, SE					
		16-49	WSBK CL	Fr, SS, SP, SE					
3 init	14% LS	0-13	WSBK CL	Fr, SS, SP, SE	—	13	0-13 many SAP	inc.	PS .35
		13-62	SL SAP mass	VFr, NS, NP					
4 init	16% LS	0-24	WSBK CL	Fr, SS, SP, SE	—	24	0-24 many SAP	inc.	PS .35
		24-63	SL SAP mass	VFr-Fr, NS, NP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	IV
Site LTAR	.35	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Kayla Wilson
OTHER(S) PRESENT:

CONSTRAINTS:

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

Sheet 1 of 1
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		20-60	SL SAP mass	NS, NP, VFr					
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		4-16	SBK C	Fr, SS, SP, SE					
		16-49	WSBK CL	Fr, SS, SP, SE					
3 init	14% LS	0-13	WSBK CL	Fr, SS, SP, SE	—	13	0-13 many SAP inc.		PS .35
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OTHER(S) PRESENT:

COMMENTS: