ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 CW Mooresville Office (704) 660-3625 PERMIT # OSWP 2023-17608

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM NEW-Reloc PIN # 4736 -- 60 -- 8455

APPLICANT/OWNER: Danny M Lippard Jr APPLICANT ADDRESS: 122 Cedar Lake Dr Statesville NC 28625

SITE ADDRESS: 134 Cedar Lake Dr Statesville NC 28625 PHONE: 704 902 4918 ALT. PHONE 704 872 2668

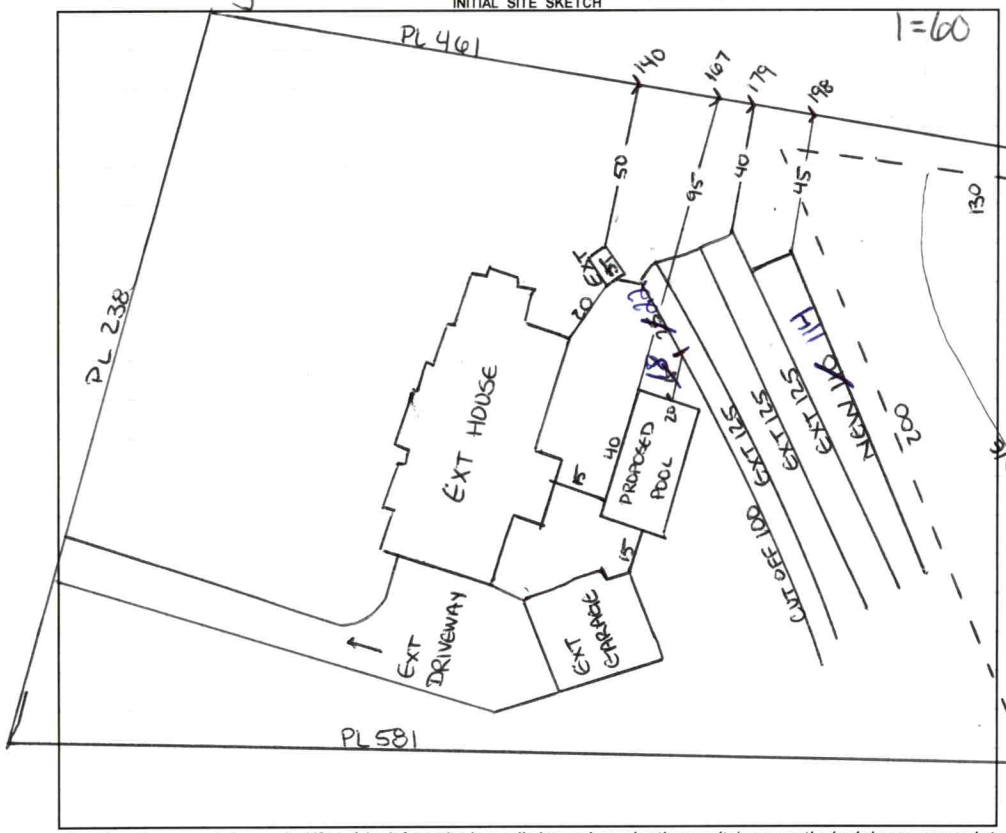
SITE DIRECTIONS: 115 → (R) S Cripley Ford → (R) Fort Dobbs → (L) Cedar Lake → site on (R) SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Dobbs Valley SECTION: 2 LOT # 30 LOT AREA: 2.349AC DESIGN FLOW: 600 L.T.A.R.: 0.275

Septic Tank 1500 (gal)	STB EXT	Date EXT	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 5	Water Supply
Pump Tank (gal)	PT	Date	System Description: Gravity 25% Reduction		☐ Business	No. Persons 10	☐ Private
Pump Make	Model	Serial #	Repair System Description: Gravity 25% Reduction		☐ Other	No. Employees	☒ Public
# Nitrification Fields 1	# Lines 5	Linear Ft NEW 110	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width 36"	Trench Bottom Depth(Low side) 36" MAX	Gravel Depth —	☒ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Remove Fill before installation. Install on contour 9' on center. Do not park, drive, construct in septic area. Cut existing line 1 to 25'. Keep 15' from pool 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.

Installed as Drawn

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: Stutts Grading

IMPROVEMENT PERMIT by: Sarah Braellen Date: 3/8/23 OPERATION PERMIT by: [illegible] Date: 4/4/23

AUTHORIZATION TO CONSTRUCT by: Sarah Braellen Date: 3/8/23 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 #:
COUNTY: Fredell

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

OWNER: Danny Lippard Jr.
ADDRESS: 122 Cedar Lake Dr Statesville 28625
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 600
LOCATION OF SITE: 134 Cedar Lake Dr Statesville 28625
WATER SUPPLY: Private (Public) Well Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut
TYPE OF WASTEWATER: (Sewage) Industrial Process Mixed

APPLICATION DATE 2/14/23
DATE EVALUATED: 3/2/23
PROPERTY SIZE: 2.349AC
PROPERTY RECORDED: Y

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	12%	0-10	FILL	–	–	50	–	–	PS 0.275
		10-15	SCL SBK	SS SP SE FR					
		15-50	C WSBK	S P SE FR					
2	10%	0-17	FILL	–	–	50	–	–	PS 0.3 Remove FILL
		17-21	SCL SBK	SS SP SE FR					
		21-50	C SBK	SS SP SE FR					
3	11% 30" LS	0-15	FILL		–	52	–	–	PS 0.275 REMOVE FILL
		15-20	SCL SBK	SS SP SE FR					
		20-52	C WSBK	S P SE FR					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS 510	PS 545
System Type(s)	G 25%	G
Site LTAR	~~0.275~~ 0.275	0.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS 0.275
EVALUATED BY: Sarah Bullen
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (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.

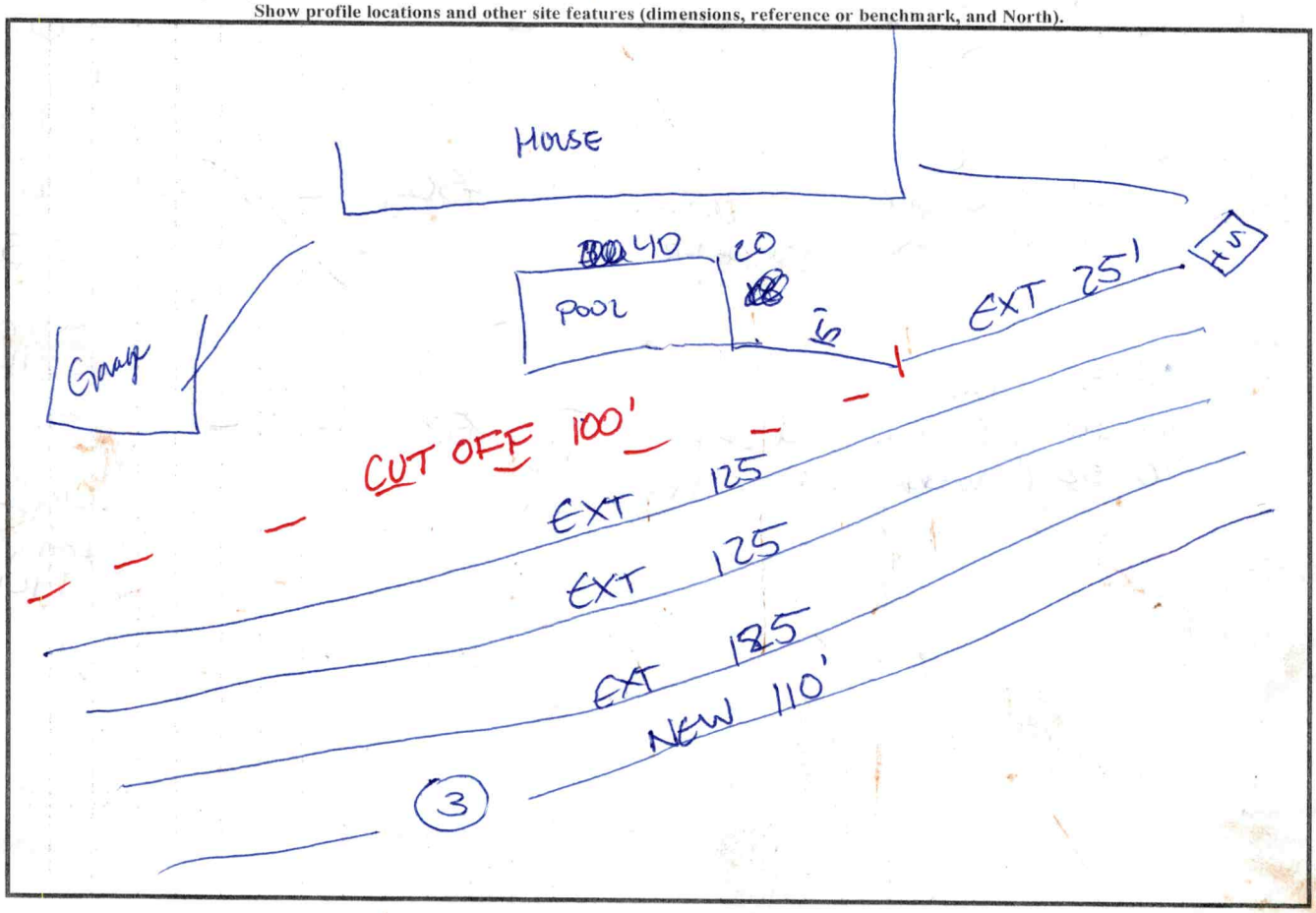
NOTES

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

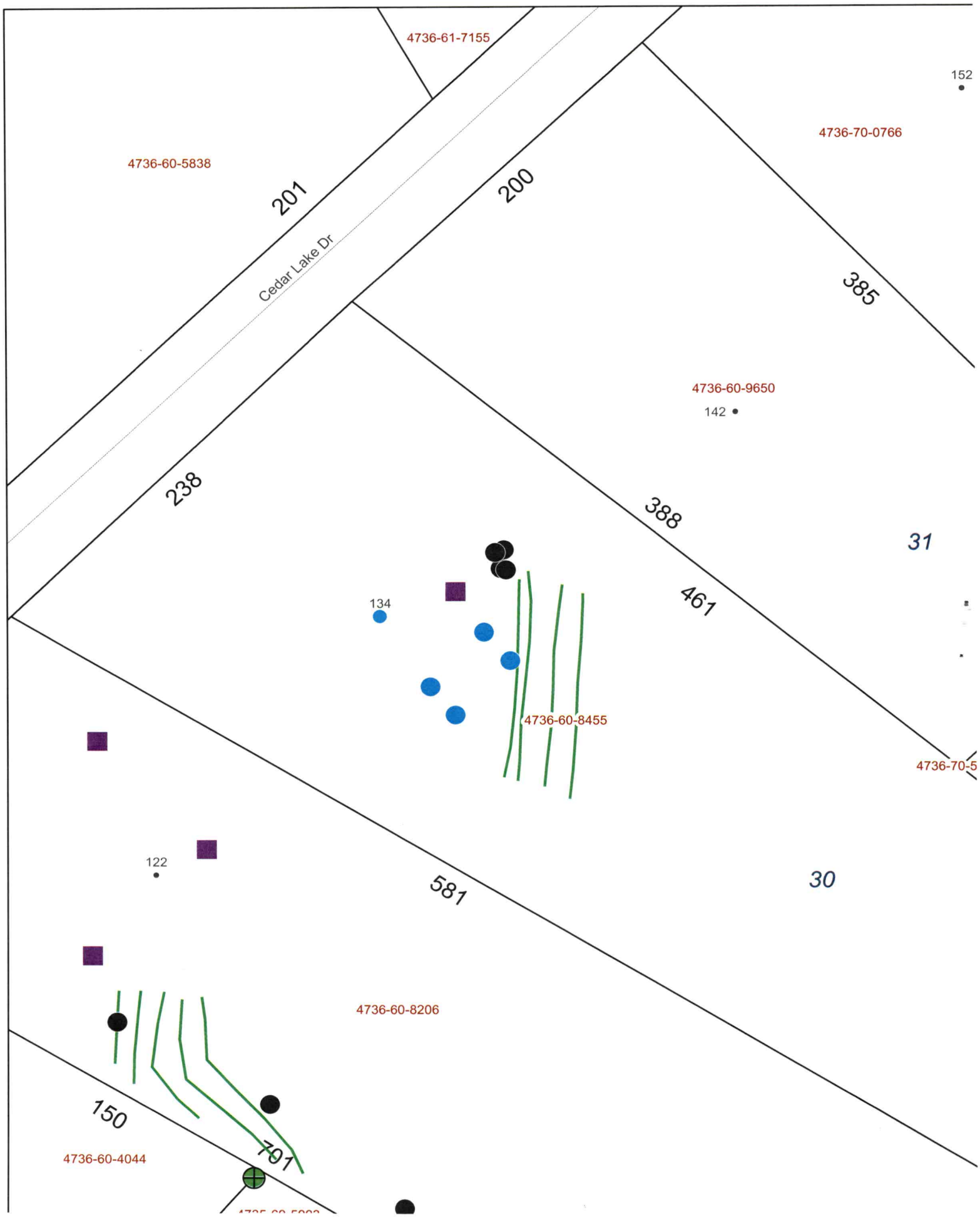
Show profile locations and other site features (dimensions, reference or benchmark, and North).



$\frac{100}{500} = \frac{x}{545}$

REPAIR

1


4736-61-7155
152
4736-70-0766
4736-60-5838
201
200
Cedar Lake Dr
385
4736-60-9650
142
238
388
31
461
134
4736-60-8455
4736-70-5
122
581
30
4736-60-8206
150
701
4736-60-4044