ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR 2023 43281

PERMIT # Kelay-2023-37303

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

PIN # 4711 -- 20 -- 0819

APPLICANT/OWNER: Capote Builders & Development APPLICANT ADDRESS: 5426 Capote Rd, Maiden, NC 28650

SITE ADDRESS: 271 Harbor Ridge Dr, Statesville, NC 28677 PHONE: (704) 400-5481 ALT. PHONE (704) 483-7313

SITE DIRECTIONS: Buffalo Shoals, Laurel Cove, Harborgate, N Harbor Watch, Harbor Ridge SAP CONTROLLED: ☑ YES ☐ NO

SUBDIVISION: Harbor Watch SECTION: LOT # 138 LOT AREA: .857AC DESIGN FLOW: 360 L.T.A.R.: .275

Septic Tank	1000 (gal)	STB	700	Date	–	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI
Pump Tank	(gal)	PT		Date		System Description:	50% Reduction - Vertical		
Pump Make		Model		Serial #		Repair System Description:	50% Reduction - LPP		
# Nitrification Fields	1	# Lines	4	Linear Ft	220	Maintenance Agreement Required:	☐ YES	☑ NO	
Trench Width	24 in	Trench Bottom Depth(Low side)	28 in	Gravel Depth	N/A	☑ GRAVITY	☐ PRESSURE		

☑ Residence ☐ Business ☐ Other ☐ Slab ☐ Crawl Space ☑ Basement w/plumbing ☐ Basement w/o plumbing

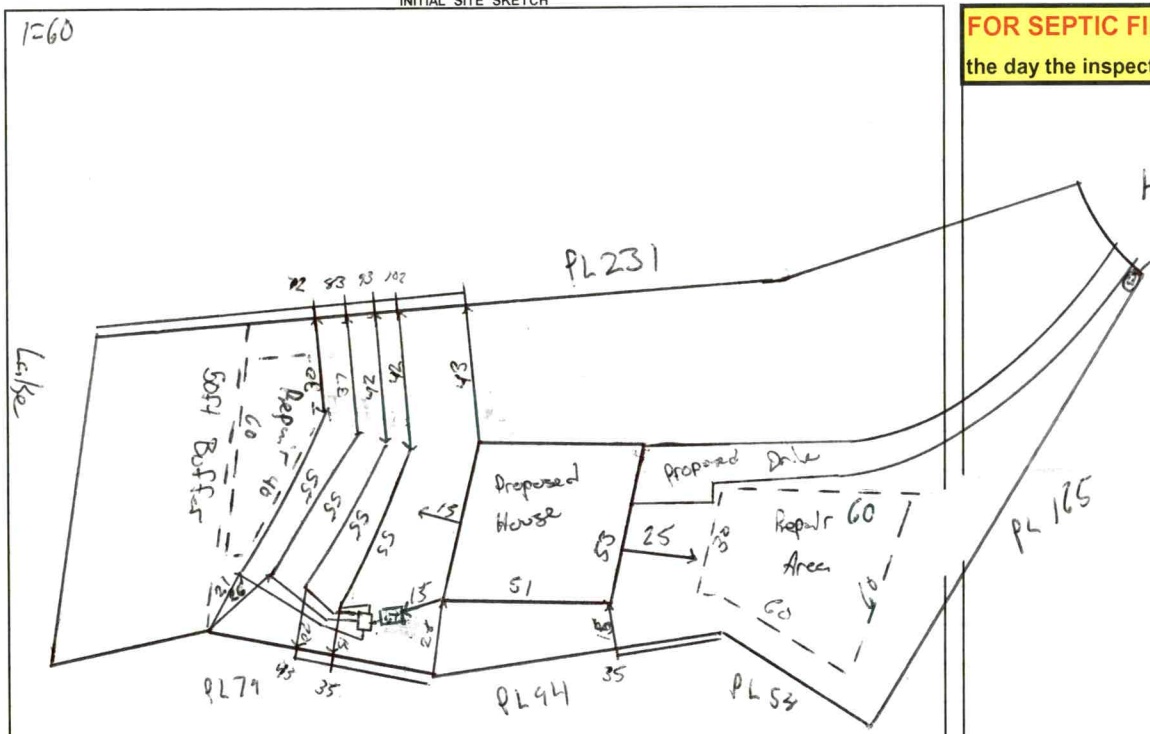
No. Bedrooms 3 No. Persons 6 No. Employees

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with 8ft centers. Do not drive, park or construct on septic areas. Stay 15ft off basement.

INITIAL SITE SKETCH

1"=60



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 SHOWN

Harbor Ridge

Possible Well

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: CRAIG THOMPSON ✓

IMPROVEMENT PERMIT by: Matt Wilkie ✓ Date: 10/4/23 OPERATION PERMIT by: Sydney Holland ✓ Date: 10/24/24

AUTHORIZATION TO CONSTRUCT by: Matt Wilkie ✓ Date: 10/11/23 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? _____	

Sheet 1 of 1
PROPERTY ID #: 7120 on-
COUNTY: Iredell

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

OWNER: Lynn Krove
ADDRESS: 271 Harbor Ridge
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 271 Harbor Ridge
WATER SUPPLY: Private Public (Well) Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut
TYPE OF WASTEWATER: (Sewage) Industrial Process Mixed

APPLICATION DATE 3/6/23
DATE EVALUATED: 4/4/23
PROPERTY SIZE: yes
PROPERTY RECORDED: .857

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	R 20%	0-22	CL/SBK	ss sp fr SE	-	22	-	-	PS .35
		22-36	LSAP/M	ns np fr SE					
2	SH 21%	0-9	SCL/Gr	ns np fr SE	-	52	Sap inclusions incl	-	PS .35
		9-30	CL/SBK	ss sp fr SE					
		30-52	CL/SBK	ss sp fr SE					
		52+	Rock						
3	LS 16%	0-27	CL/SBK	ss sp fr SE	-	27	Rock like features in SAP	-	PS .3
		27-62	LSAP						
4	FS 15%	0-26	CL/SBK	ss sp fr SE	-	52	Sap inclusions in CL with Rock	-	PS .275
		26-52	CL/SBK	ss sp fr SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	25%	50%
Site LTAR	.35	.35

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew W
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)	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.

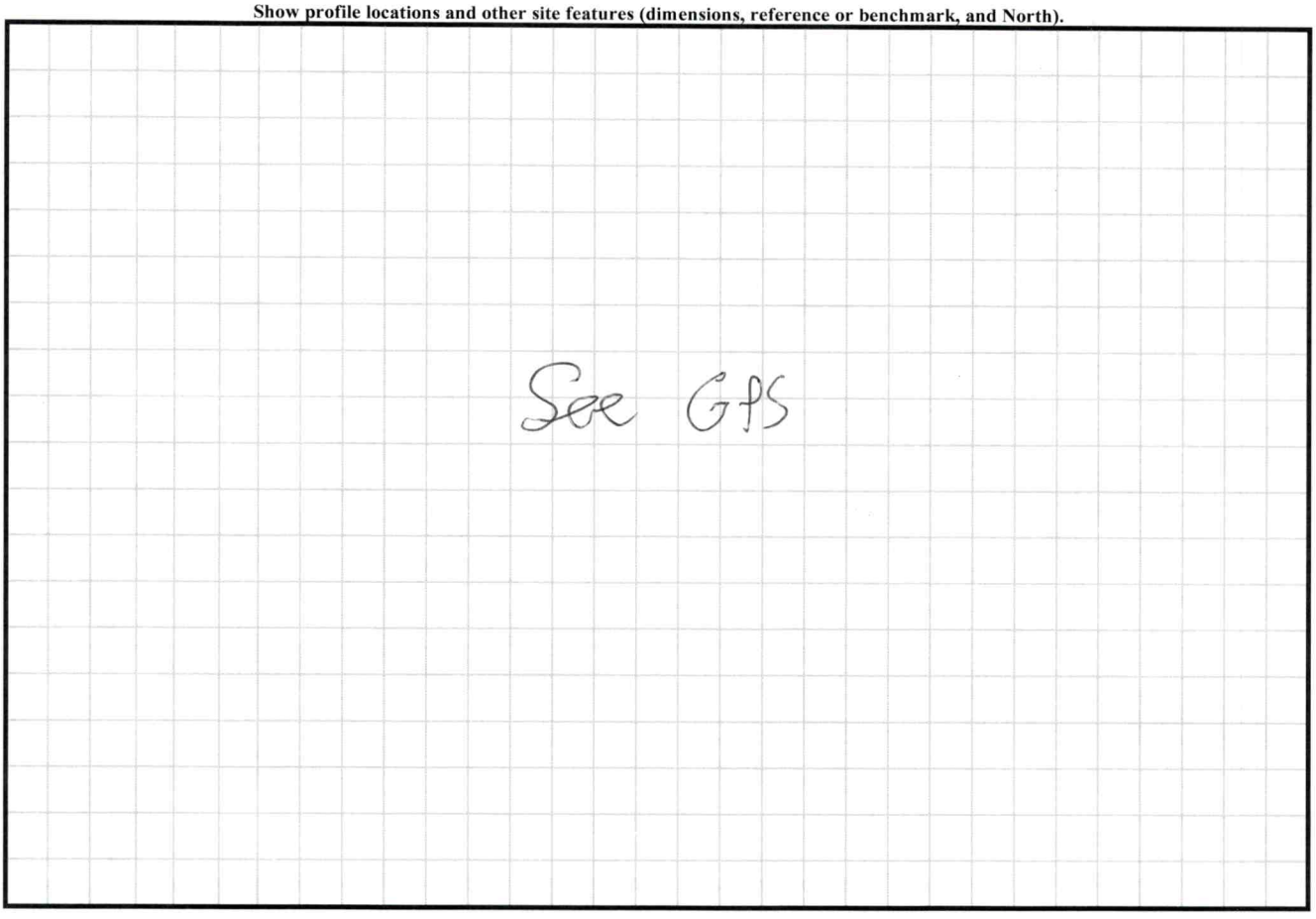
NOTES

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).



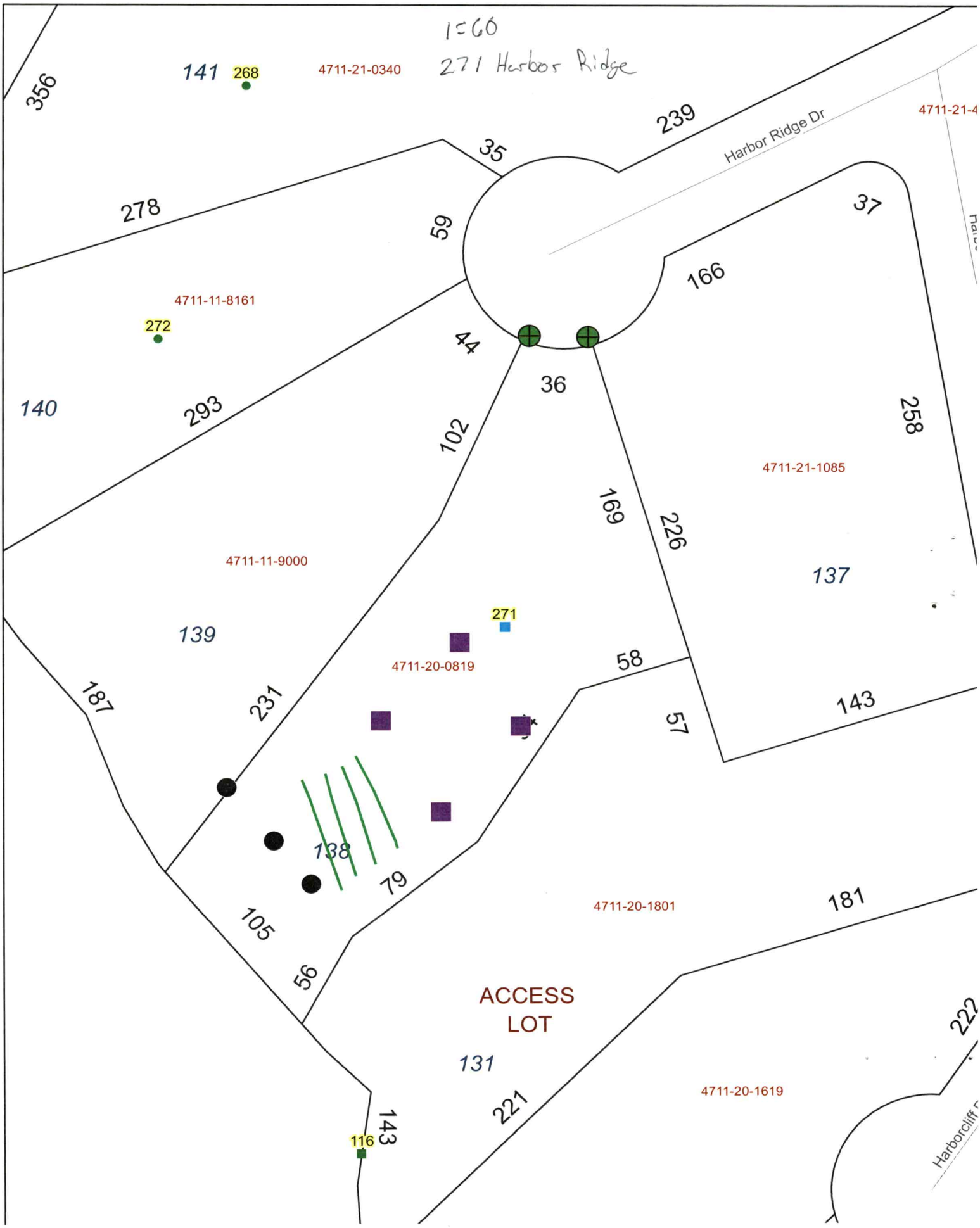
PS

18%

5 | 0-27 CL/SBK Sap PS

27-56 LSAP/M inclusions .35

in CL


1=60
271 Harbor Ridge
141
268
4711-21-0340
356
239
Harbor Ridge Dr
4711-21-4
35
278
59
37
166
4711-11-8161
272
44
36
140
293
102
258
4711-21-1085
169
226
4711-11-9000
137
271
139
4711-20-0819
58
187
231
57
143
138
79
4711-20-1801
181
105
56
ACCESS
LOT
131
222
4711-20-1619
116
143
221
Harborcliff