MW MANF-2024-48267

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 2023-14275

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

PIN # 4779 -- 07 -- 8919

APPLICANT/OWNER: Robert Sangaily APPLICANT ADDRESS: 9132 Fawn Hill Ct, Raleigh

SITE ADDRESS: 137 Bel Aire Dr, Harmony 28634 PHONE: 413-348-7347 ALT. PHONE

SITE DIRECTIONS: 21 N - Bel Aire SAP CONTROLLED: ☐ YES ☒ NO

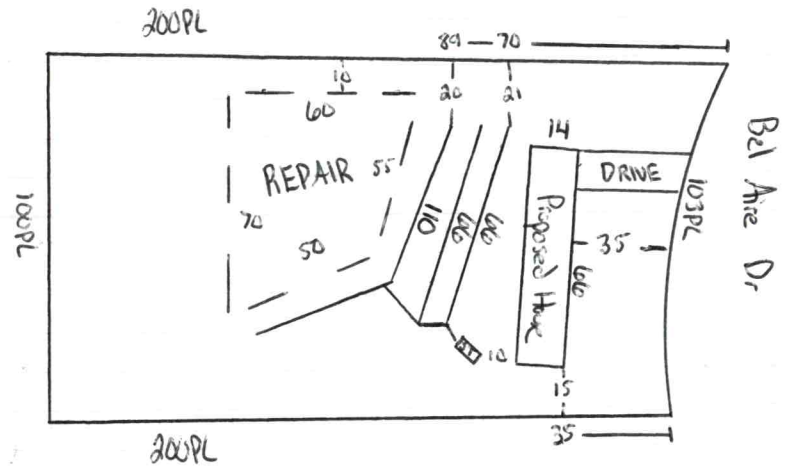
SUBDIVISION: Harmony Meadows MHP SECTION: 2 LOT # 12 LOT AREA: 0.47 acres DESIGN FLOW: 240 gpd L.T.A.R.: 0.25

Septic Tank	1000	(gal)	STB 7600	Date 2/27/24	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 2	Water Supply
Pump Tank		(gal)	PT	Date	System Description: 25% reduction				☐ Business	No. Persons 4	☐ Private
Pump Make		Model		Serial #	Repair System Description: 50% reduction				☐ Other	No. Employees	☒ Public
# Nitrification Fields	1	# Lines	3	Linear Ft 240'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width	36in	Trench Bottom Depth(Low side)	22 in	Gravel Depth –		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Install lines on contour with the land. Do not grade, park, or drive on septic area. Install on 9 ft centers.

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 drawn.
lines modified length to 70, 70, 102

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: Steve Jordan

IMPROVEMENT PERMIT by: Cory Whit Date: 4/12/23 OPERATION PERMIT by: Sarah Williams Date: 4/24/24

AUTHORIZATION TO CONSTRUCT by: Cory Whit Date: 4/12/23 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? _____	

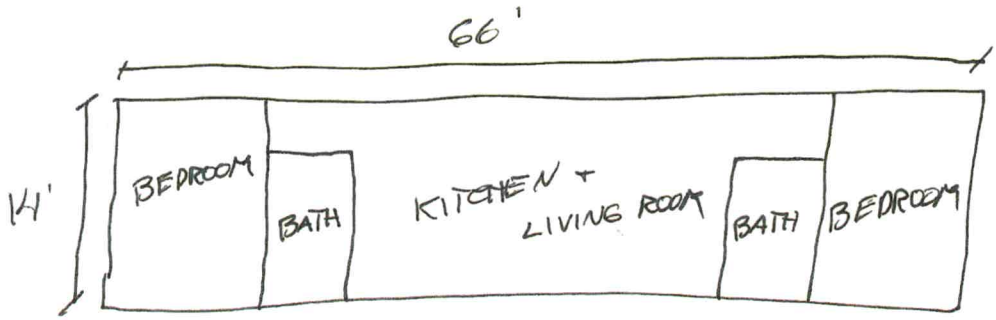
TO: MATTHEW WILKINSON 4/10/23

FR: ROBERT SANGUILY

RE: HOME SIZE AND CONFIGURATION FOR
PERMIT # OSWP-2023-14275

LOT: 12/137 BEL AIRE DRIVE, HARMONY, NC
PIN: 4779078919.000

2 BEDROOMS + 2 BATHROOMS



Sheet 1 of 1
PROPERTY ID #: 4779078919
COUNTY: Iredell

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

OWNER: Robert Sanguily — APPLICATION DATE: 1/20/23
ADDRESS: 9132 Fawn Hill Ct — DATE EVALUATED: 3/30/23
PROPOSED FACILITY: 2 bd/r home — PROPOSED DESIGN FLOW (.1949): 240 gpd — PROPERTY SIZE: 0.47 acres
LOCATION OF SITE: 137 Bel Aire Dr, Harmony — 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	fs 9%.	0-16	SL/wsBk		-	48	-	-	PS .25
		16-48	C/wSBk	ss sp FISE					
2	fs 10%.	0-17	SL/wsBk		-	50	-	-	PS .25
		17-50	C/wsBk						
3	LS 10%.	0-8	SL/wsBk		-	46	-	Rock inclusions 24-36	PS 275
		8-27	C/ABK						
		29-48	CL/wABK						
4	LS 12%.	0-8	SL/SBK		-	37	-	-	PS .3 Shallow
		8-26	C/SBK						
		26-37	CL/SBK						
		37-48	Rock bottomed						
			Sap						

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Wickler
OTHER(S) PRESENT: Matt Wilkinson

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.

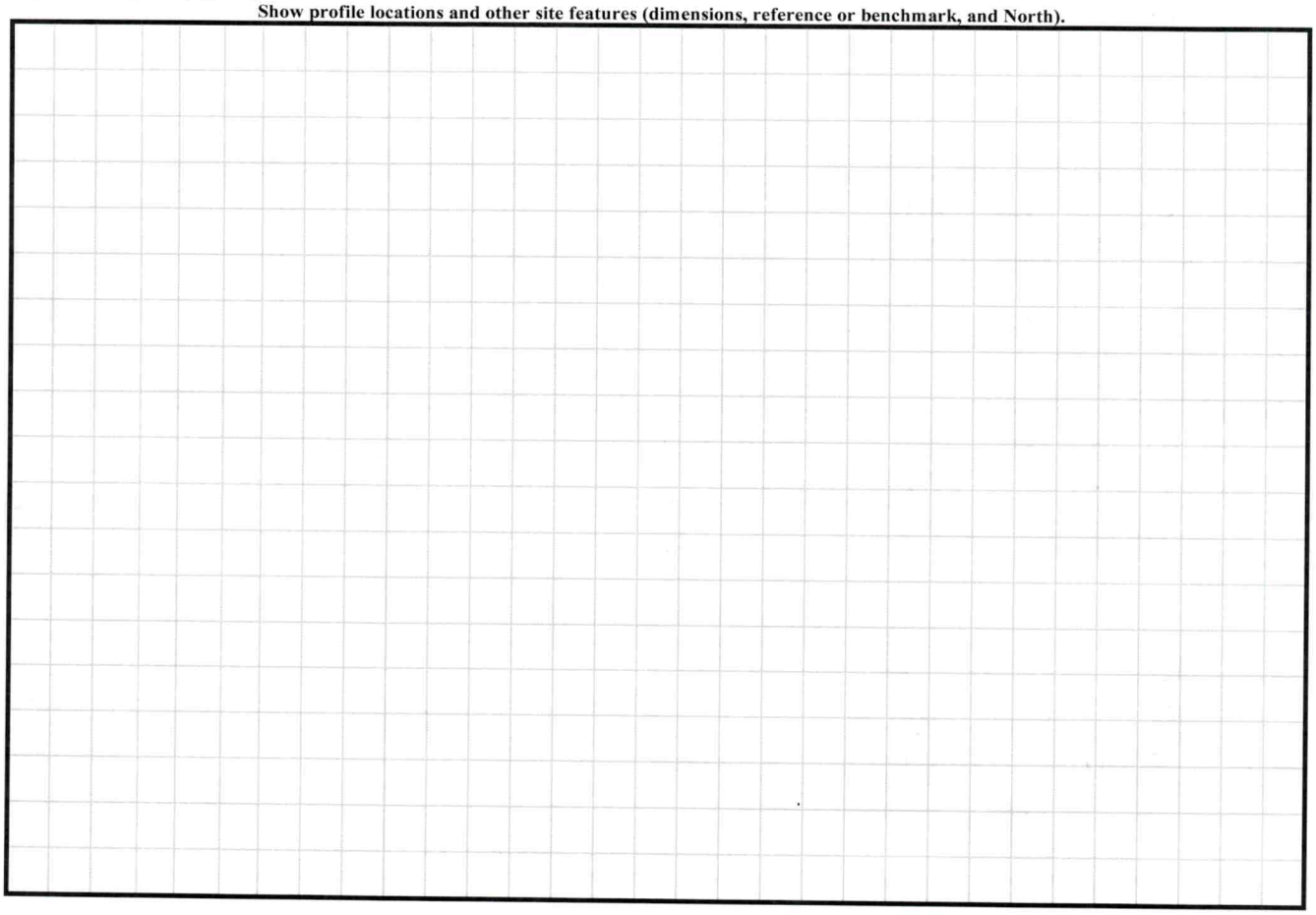
NOTES

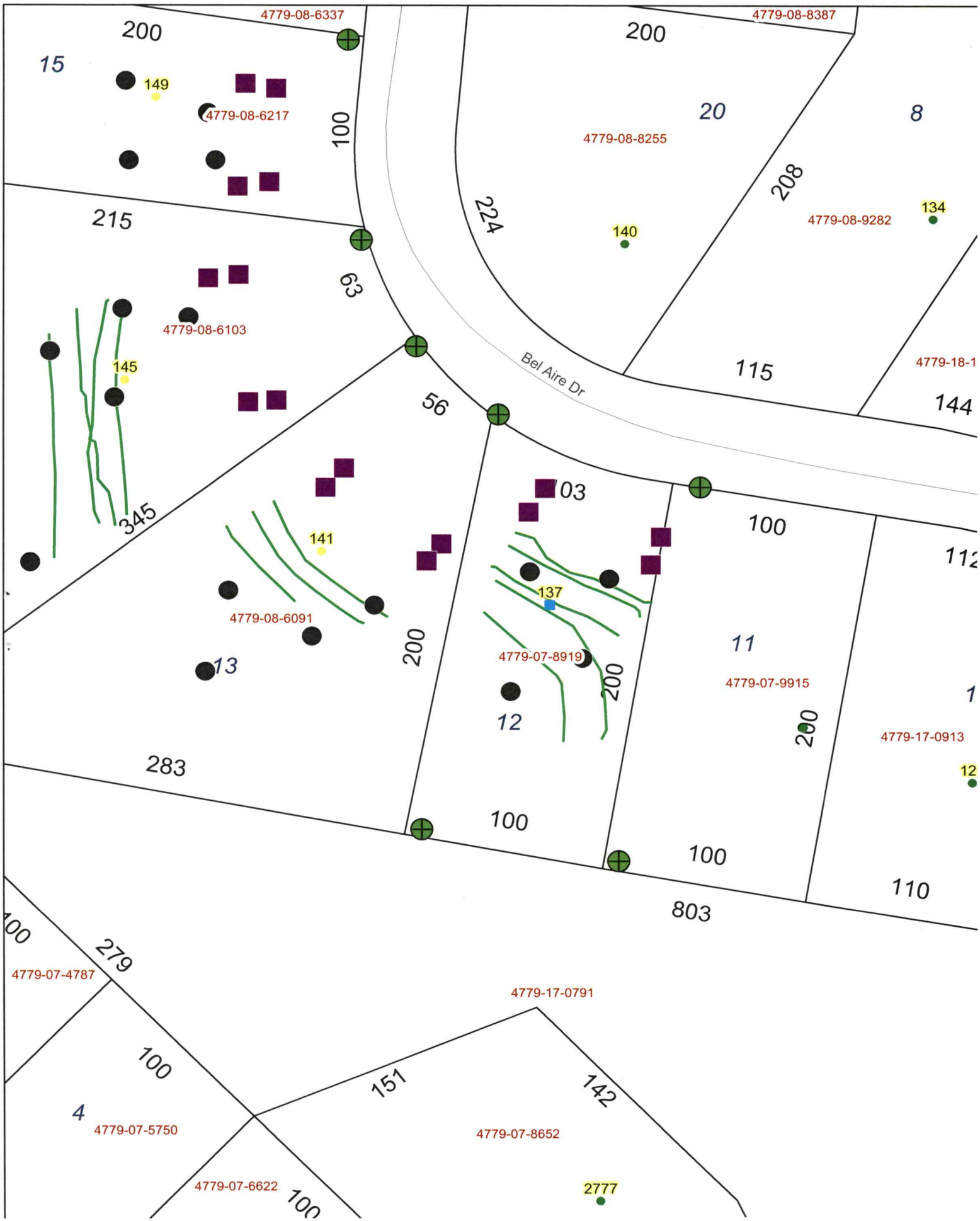
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or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

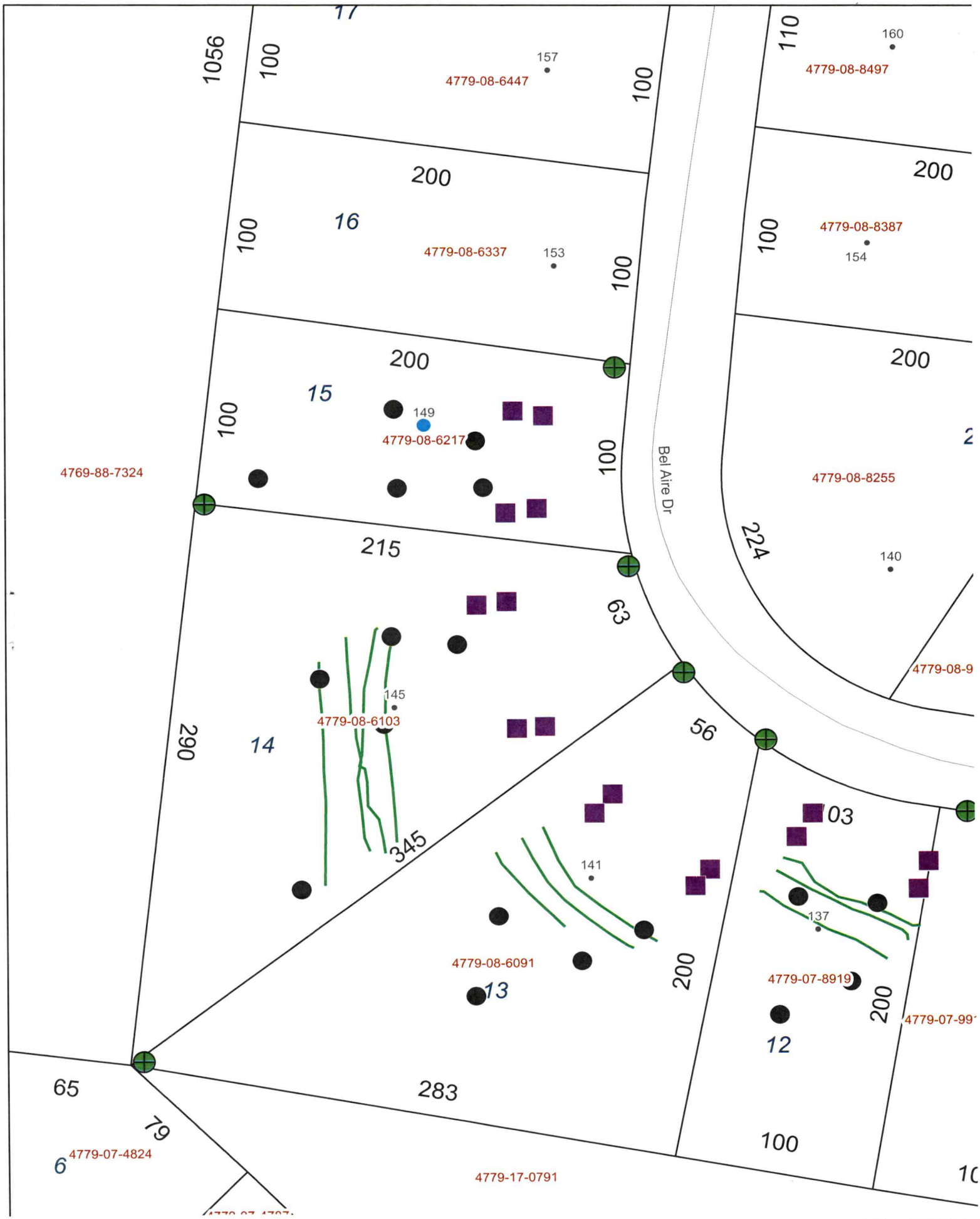
Evaluation of saprolite shall be by pits.

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

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




4779-08-6337
4779-08-8387
200
200
15
149
4779-08-6217
100
20
4779-08-8255
8
208
224
215
140
4779-08-9282
134
63
4779-08-6103
145
Bel Aire Dr
115
4779-18-1
144
56
345
03
100
141
137
4779-08-6091
200
11
4779-07-9915
13
4779-07-8919
200
200
12
4779-17-0913
283
100
100
110
803
279
4779-07-4787
4779-17-0791
100
151
142
4
4779-07-5750
4779-07-8652
4779-07-6622
100
2777


17
1056
100
157
4779-08-6447
100
110
160
4779-08-8497
200
16
100
4779-08-6337
153
100
200
4779-08-8387
154
100
200
15
149
4779-08-6217
100
Bel Aire Dr
4769-88-7324
4779-08-8255
215
224
140
63
4779-08-9
145
4779-08-6103
290
14
56
03
345
141
137
4779-08-6091
13
200
4779-07-8919
200
4779-07-99
12
65
283
79
100
6
4779-07-4824
4779-17-0791
10