ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # MANF-2023-25972 2023-25964

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

PIN # 4751 -- 71 -- 1640

APPLICANT/OWNER: Jeremy Plyler APPLICANT ADDRESS: 313 Pilch Rd, Troutman, NC 28166

SITE ADDRESS: 127 Overcash Rd, Troutman NC 28166 PHONE: (704) 334-4700 ALT. PHONE -

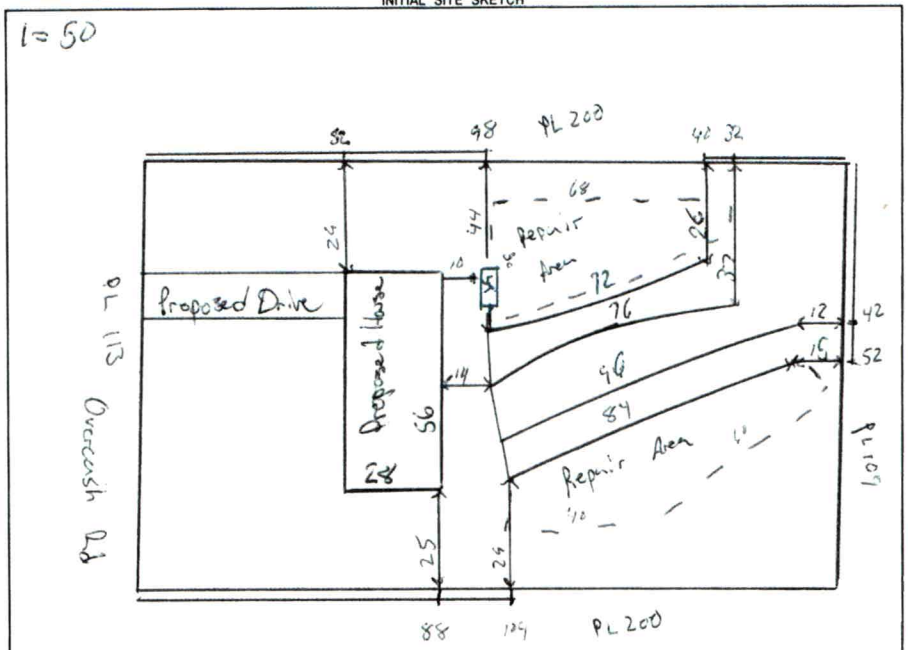
SITE DIRECTIONS: Amity Hill, (R) Ostwalt Amity, (L) Overcash SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Lowdermilk Legacy SECTION: - LOT # 1 LOT AREA: .507 Ac DESIGN FLOW: 360 L.T.A.R.: .275

Septic Tank	1000	(gal)	STB	700	Date	7/14/23	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms	3	Water Supply	
Pump Tank		(gal)	PT		Date		System Description:	25% Reduction - Septel			☐ Business	No. Persons	6	☐ Private	
Pump Make		Model			Serial #		Repair System Description:	50% Reduction - Horizontal			☐ Other	No. Employees		☑ Public	
# Nitrification Fields	1	# Lines	4		Linear Ft	325	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community	
Trench Width	36 in	Trench Bottom Depth(Low side)		18 in	Gravel Depth	N/A		☑ GRAVITY	☐ PRESSURE		☐ Basement w/ plumbing			☐ Basement w/o plumbing	

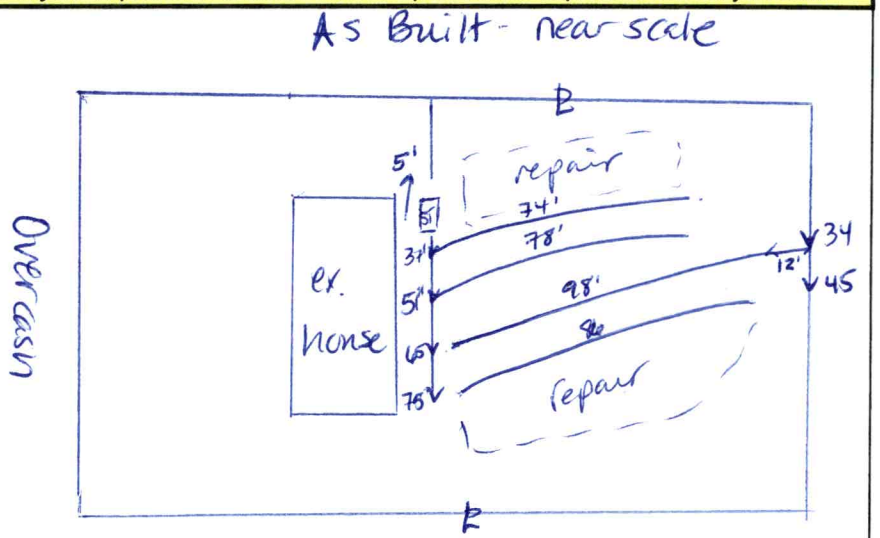
Comments / Conditions: Install on contour with 4ft on center. Must be installed at 18 in lowside. Do not drive, park or construct on septic area.

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.



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: Date: 6/13/23 OPERATION PERMIT by: Date: 9/7/23

AUTHORIZATION TO CONSTRUCT by: Date: 6/27/23 Existing System Inspected by: Date:

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

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Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 2023-25464

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

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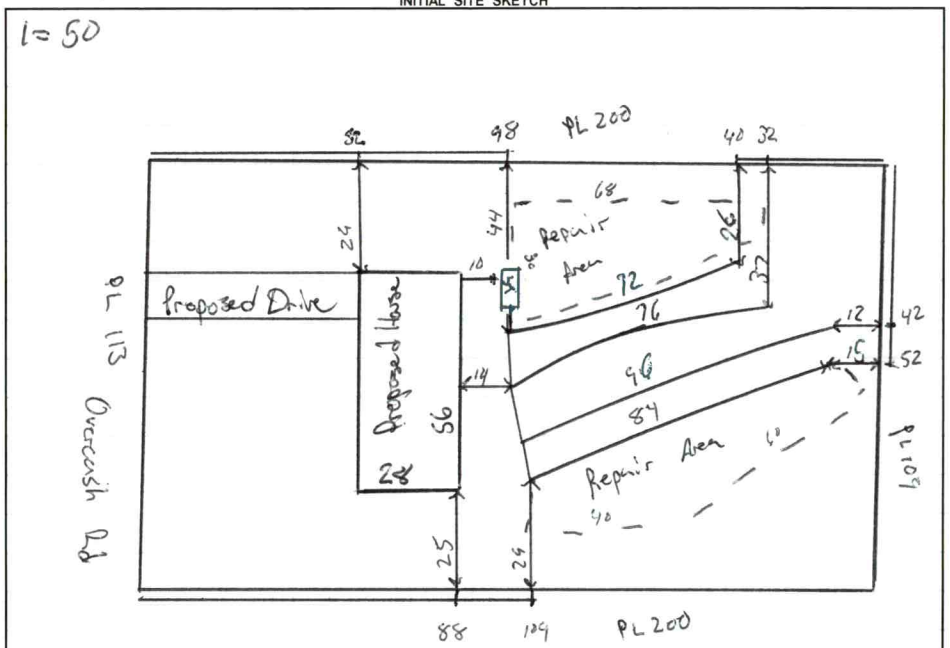
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SUBDIVISION: Lowdermilk Legacy SECTION: - LOT # 1 LOT AREA: - 507 Ac DESIGN FLOW: 360 L.T.A.R.: -275

Septic Tank	1000	(gal)	STB	Date		☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms	3	Water Supply		
Pump Tank		(gal)	PT	Date		System Description:	25% Reduction - Serial			☐ Business	No. Persons	6	☐ Private		
Pump Make		Model		Serial #		Repair System Description:	50% Reduction - Horizontal			☐ Other	No. Employees		☑ Public		
# Nitrification Fields	1	# Lines	4	Linear Ft	328	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community		
Trench Width	36 in	Trench Bottom Depth(Low side)	18 in	Gravel Depth	N/A		☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing			☐ Basement w/o plumbing		

Comments / Conditions: Install on contour with 4ft on center. Must be installed at 18in Tow side. Do not drive, park or construct on septic area.

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Owner / Applicant Signature: Online Signature Date: Installed by:

IMPROVEMENT PERMIT by: Date: 6/13/23 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 6/27/23 Existing System Inspected by: Date:

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

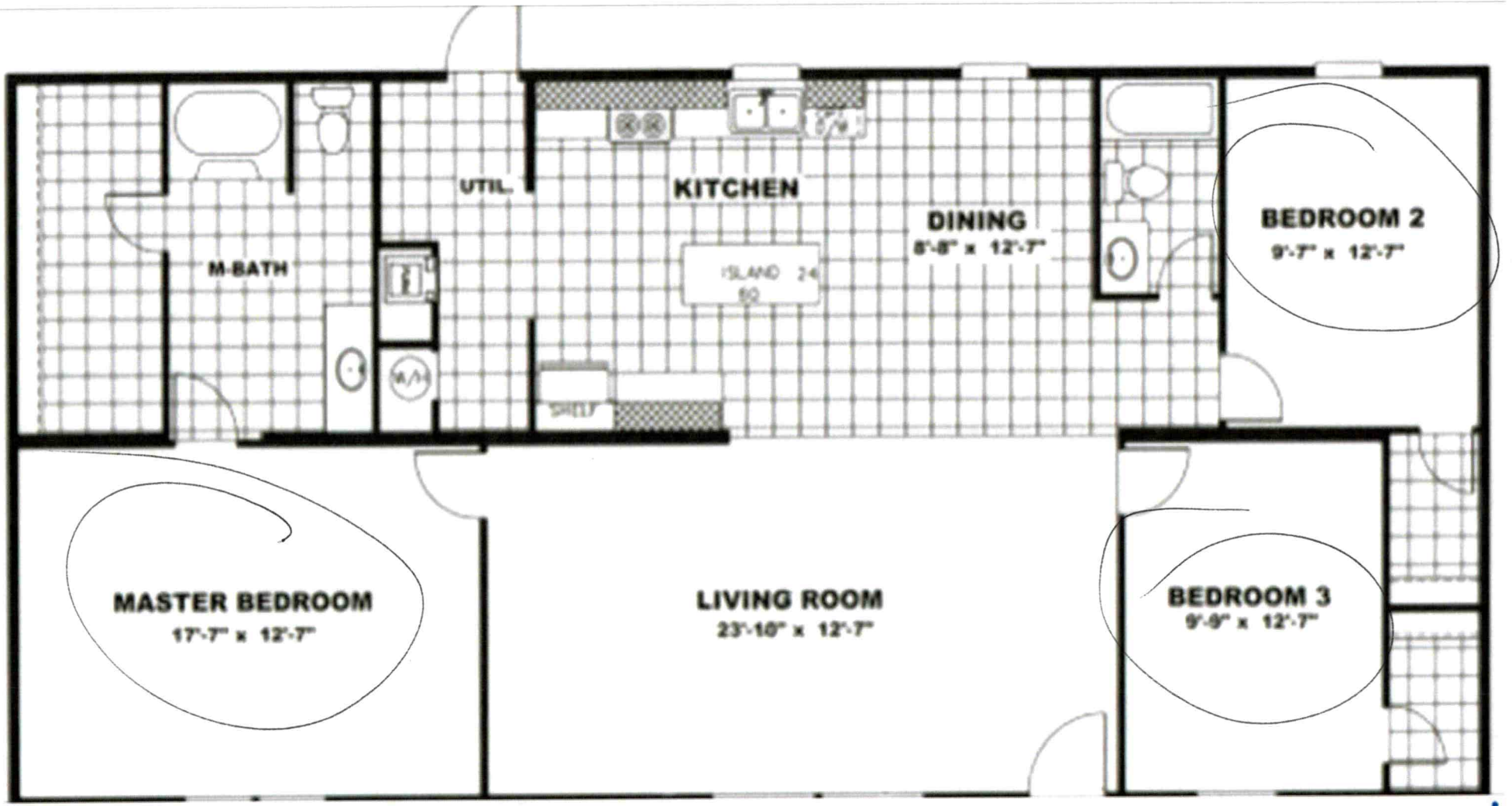
Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

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? _____	

Acknowledgement Of
Plans Submittal ONLY!
Date 6/27/23
Date

Done

3 of 3



ACNUDMetDoc
Distr. Limited
E/CN.4/1995/NGO/
10 February 1995

72
76
96
84

Sheet 1 of 1
PROPERTY ID #: 4775071640
COUNTY: Iredell

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

OWNER: Jeremy Plyler — APPLICATION DATE 5/22/23
ADDRESS: 313 Pilch — DATE EVALUATED: 6/9/23
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: .507 Ac
LOCATION OF SITE: 127 Overcash — 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 6%	0-16	SCL/Gr	SS Sp Fr SE	-	50	Sap inclusions at 48	-	PS .3
		16-32	C/SBK	SS Sp Fr SE					
		30-50	CL/SBK	SS Sp Fr SE					
2	LS 10%	0-16	SCL/Gr	SS Sp Fr SE	-	54	Sap inclusions 48+	-	PS .3
		16-35	C/SBK	SS Sp Fr SE					
		35-54	CL/SBK	SS Sp Fr SE					
3	FS 5%	0-12	SCL/Gr	SS Sp Fr SE	YB with Litho 33+	60	Sap inclusions 33+	-	PS .275
		12-32	C/ABK	SS Sp Fr SE					
		32-60	CL/SBK	SS Sp Fr SE					
4	LS 7%	0-8	SCL/Gr	SS Sp Fr SE	YB with L.tho 30+	68	-	-	PS .275
		6-30	C/ABK	SS Sp Fr SE					
		30-68	CL/SBK	SS Sp Fr SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	25%	50%
Site LTAR	.275	.275

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.

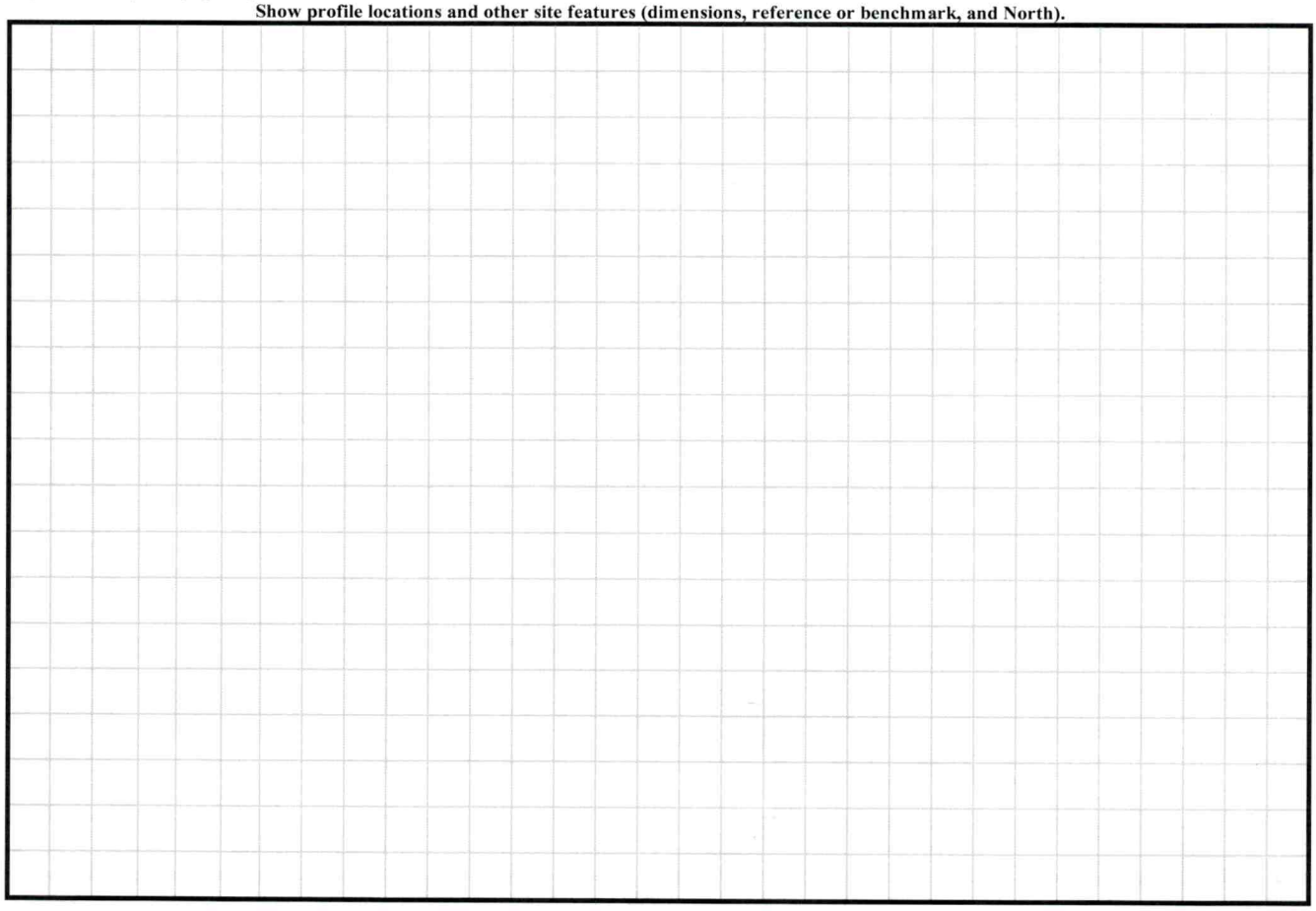
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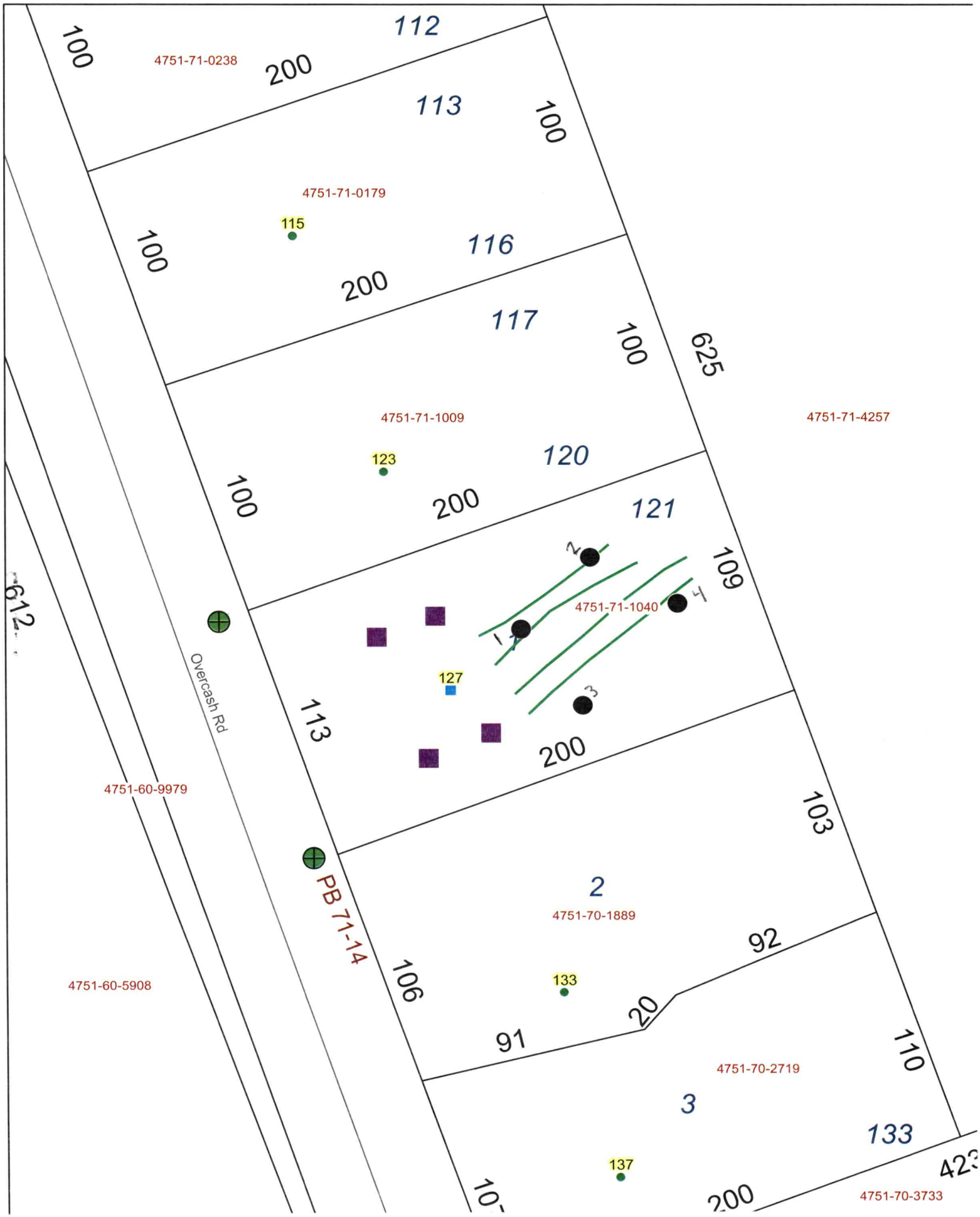
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).




112
113
116
117
120
121
100
200
625
109
103
92
20
91
106
110
133
423
612
4751-71-0238
4751-71-0179
4751-71-1009
4751-71-4257
4751-71-1040
4751-60-9979
4751-60-5908
4751-70-1889
4751-70-2719
4751-70-3733
115
123
127
133
137
Overcash Rd
PB 71-14
1
2
3
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