ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

HS MANF - 2024-65111

PERMIT : OSWP 2024-60230

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

PIN # 4738 -- 11 -- 0335

APPLICANT/OWNER: Miranda McKinney APPLICANT ADDRESS: 2008 E Roosevelt Blvd, Monroe

SITE ADDRESS: 141 Forest Grove Dr, Statesville 28625 PHONE: 704-225-8850 ALT. PHONE -

SITE DIRECTIONS: Wilkesboro - Branchwood - Forest Grove SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Ridgecrest SECTION: 2 LOT # 38 LOT AREA: 1.03 DESIGN FLOW: 360 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.3

Septic Tank 1000 (gal) STB 149 Date 9-23

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 4 Linear Ft 300'

Trench Width 36in *Max. Trench Depth(Initial) 24in *Max. Trench Depth(Repair) 24in Gravel Depth -

* Measured on the downhill side of the trench

☒ New System ☐ Repair ☐ Expansion System Type: I (II) III IV V VI

System Description: 25% reduction

Repair System Description: 50% reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

Usable Depth to LC (Initial): 48 in

☒ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Usable Depth to LC (Repair): 48in *Limiting Condition*

Water Supply

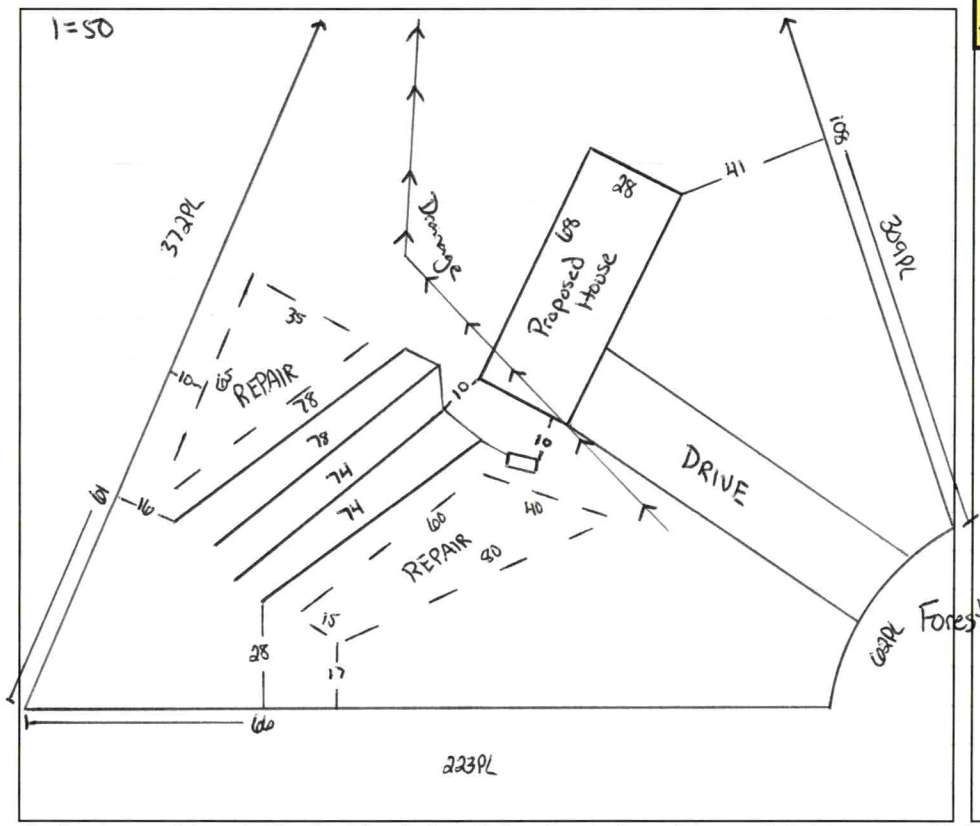
☐ Private

☒ Public

☐ Community

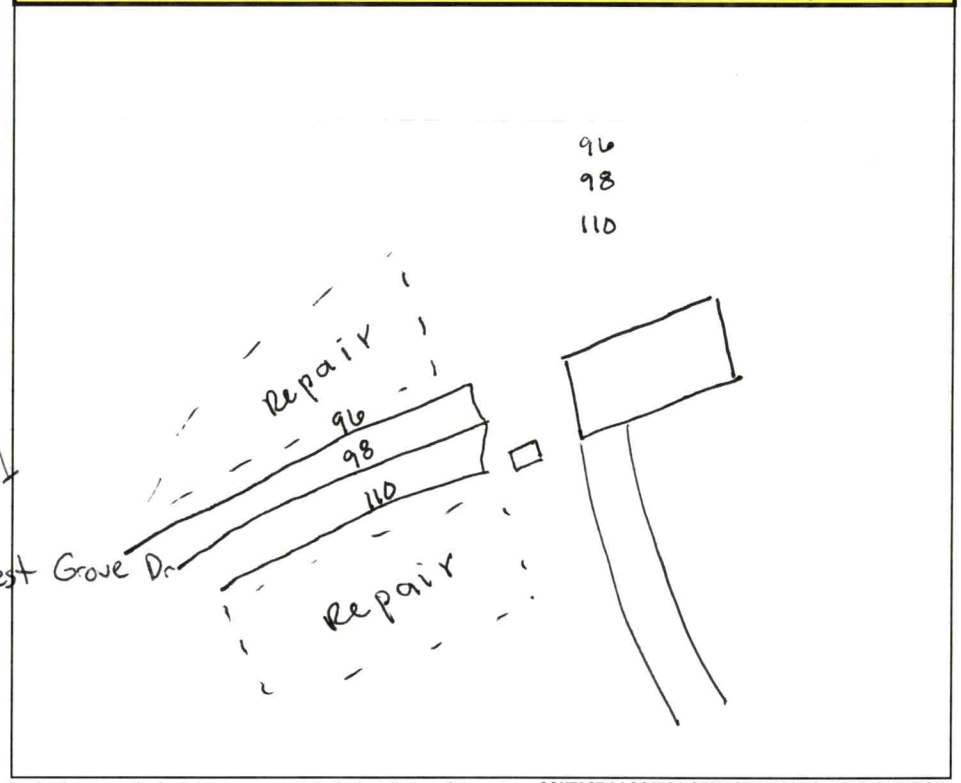
Comments / Conditions: Do not grade, park, or drive on septic area. Utilize serial distribution. Keep drainage 15' from system.

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: K&M Grading & Septic

IMPROVEMENT PERMIT by: Cory Hill ✓ Date: 9/13/24

OPERATION PERMIT by: Sydney Honeycutt ✓ Date: 12/18/24

AUTHORIZATION TO CONSTRUCT by: Cory Hill ✓ Date: 9/17/24

Existing System Inspected by: Date:

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

PROPERTY ID #: 4738110735
COUNTY: Iredell

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

OWNER: Miranda McKinney
DATE EVALUATED: 9/11/24
ADDRESS: 2008 E Roosevelt Blvd
PROPOSED FACILITY: 3 bd/r home
PROPOSED DESIGN FLOW (.0400): 360 gpd
PROPERTY SIZE:
LOCATION OF SITE: 141 Forest Grove Dr, Statesville
PROPERTY RECORDED: yes
WATER SUPPLY: X Public Single Family Well Shared Well Spring Other ____
WATER SUPPLY SETBACK: 10'
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS 5%	0 - 19	SCL SBK	SS SP FR SE	-	50	Litho inc in C & Cl layer		.3 PS	2
		19 - 34	C SBK	SS SP FR SE						
		34 - 50	CL SBK	SS SP FR SE						
2	LS 10%	0 - 11	SCL SBK	SS SP FR SE	-	56	Few Yellow/Brown at 42"+		.3 PS 30" max	4
		11 - 32	C SBK	SS SP FR SE						
		32 - 56	CL SBK	SS SP FR SE						
3	LS 10%	0 - 6	SCL SBK	SS SP FR SE	-	54	-	-	.3 PS	4
		6 - 38	C SBK	SS SP FR SE						
		38 - 54	CL SBK	SS SP FR SE						
4	LS 10%	0 - 10	SCL SBK	SS SP FR SE	-	57	-	-	.3 PS	4
		10 - 31	C SBK	SS SP FR SE						
		31 - 57	CL SBK	SS SP FR SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	.3	.3
Maximum Trench Depth	36in	36in

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT: Ben Botkins

Comments:

Revised January 2024
Form SSE-24.1

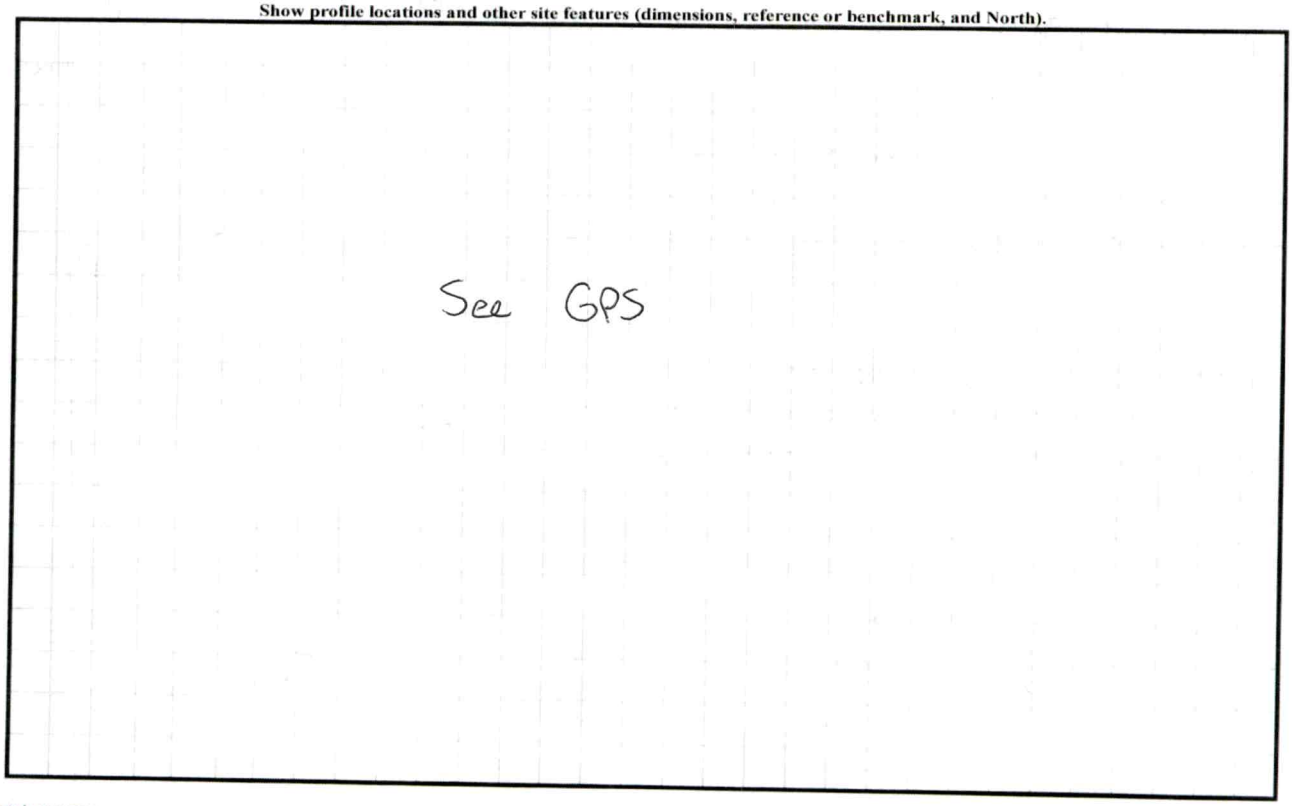
LEGEND

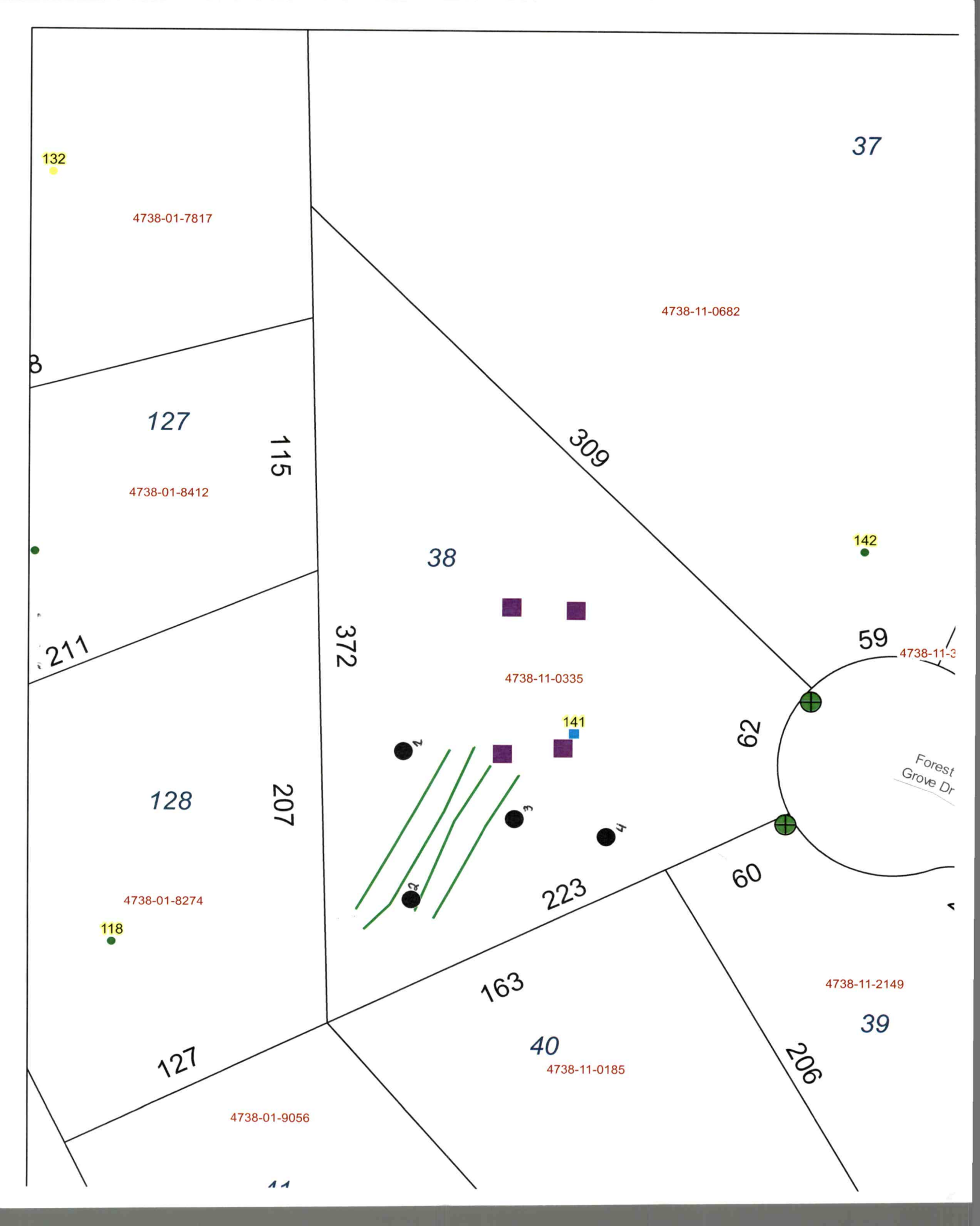
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.
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) or U (Unsuitable)

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




132
4738-01-7817
37
4738-11-0682
8
127
115
309
4738-01-8412
38
142
211
372
59
4738-11-0335
141
62
Forest
Grove Dr
128
207
60
223
4738-01-8274
118
163
4738-11-2149
39
40
4738-11-0185
127
206
4738-01-9056