ICHD - ENVIRONMENTAL HEALTH DIVISION

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

SW MANF - 2024 - 64188

PERMIT ; OSWP 2024-57487

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

PIN # 4717 -- 17 -- 8859

APPLICANT/OWNER: Freedom Homes

APPLICANT ADDRESS: 1124 Charlotte Hwy, Troutman 28166

SITE ADDRESS: 6072 Garden Valley Rd, Statesville 28625

PHONE: 704-881-2326

ALT. PHONE -

SITE DIRECTIONS: Hwy 64 - Battle - Garden Valley

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Saddlebrook

SECTION: 2

LOT # 7

LOT AREA: 1.38

DESIGN FLOW: 360 gpd

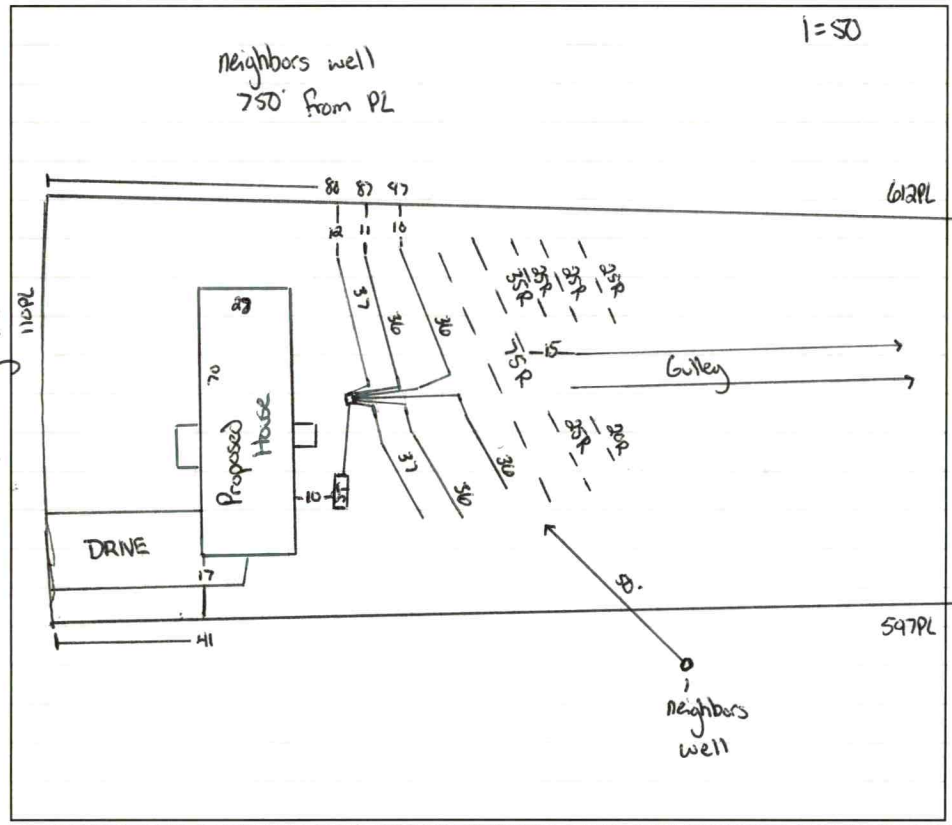
L.T.A.R.(Initial): 0.275

L.T.A.R (Repair): 0.275

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:	(Horizontal)PPBPS				☐ Business	No. Persons	6	☒ Private		
Pump Make		Model			Serial #		Repair System Description:	50% reduction				☐ Other	No. Employees		☐ Public		
# Nitrification Fields	1	# Lines	6		Linear Ft	218	Maintenance Agreement Required:	☐ YES	☒ NO			☐ Slab	☒ Crawl Space		☐ Community		
Trench Width	36in	*Max. Trench Depth(Initial)	22 in		*Max. Trench Depth(Repair)	22in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing			☐ Basement w/o plumbing		
* Measured on the downhill side of the trench		Effluent Standard:	☒ DSE	☐ HSE	☐ TS-I	☐ TS-II	☐ RCW	☐ NSF/ANSI 40	Usable Depth to LC (Initial):	40 in		Usable Depth to LC (Repair):	40 in		*Limiting Condition*		

Comments / Conditions: Install on contour with the land. Do not drive, park, or grade 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.

Do not exceed 28 inch max trench bottom

LINES
TANK) SW 1/21/25

*needs D-box leak fixed / SW 1/31/25

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: Frye Grading + Septic

IMPROVEMENT PERMIT by: Cay Whit ✓ Date: 7/24/24

OPERATION PERMIT by: Sarah Dillmans ✓ Date: 1/31/25

AUTHORIZATION TO CONSTRUCT by: Cay Whit ✓ Date: 7/24/24

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 #: 4797178859
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Freedom Homes DATE EVALUATED: 7/23/24
ADDRESS: 1124 Charlotte Hwy
PROPOSED FACILITY: 3 bd/r home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 1.38
LOCATION OF SITE: 672 Garden Valley PROPERTY RECORDED: yes
WATER SUPPLY: Public X Single Family Well Shared Well Spring Other WATER SUPPLY SETBACK: 50'
EVALUATION METHOD: Auger Boring X Pit Cut TYPE OF WASTEWATER: 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 8%	0 - 22	C ABK	SS SP FR SE	-	48 40	Heavy inc at 32"	SAP	.275 PS	3
		22 - 40	CL ABK	SS SP FR SE						
		40 - 48	SAP LS	SS SP FR SE						
2	LS 8%	0 - 28	C ABK	SS SP FR SE	-	49	Heavy inc in CL layer	Litho	.3 PS	3
		28 - 49	CL SBK	SS SP FR SE						
3	LS 10%	0 - 24	C ABK	SS SP FR SE	-	48	Heavy in CL layer	SAP inc	.275 PS	4
		24 - 48	CL SBK	SS SP FR SE						
4	LS 10%	0 - 20	C ABK	SS SP FR SE	-	48	Heavy inc at 20"	SAP	.275 PS	4
		20 - 48	CL SBK	SS SP FR SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	50%.	50%.
Site LTAR	.275	.275
Maximum Trench Depth	MD 28	MD 28

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

Comments:

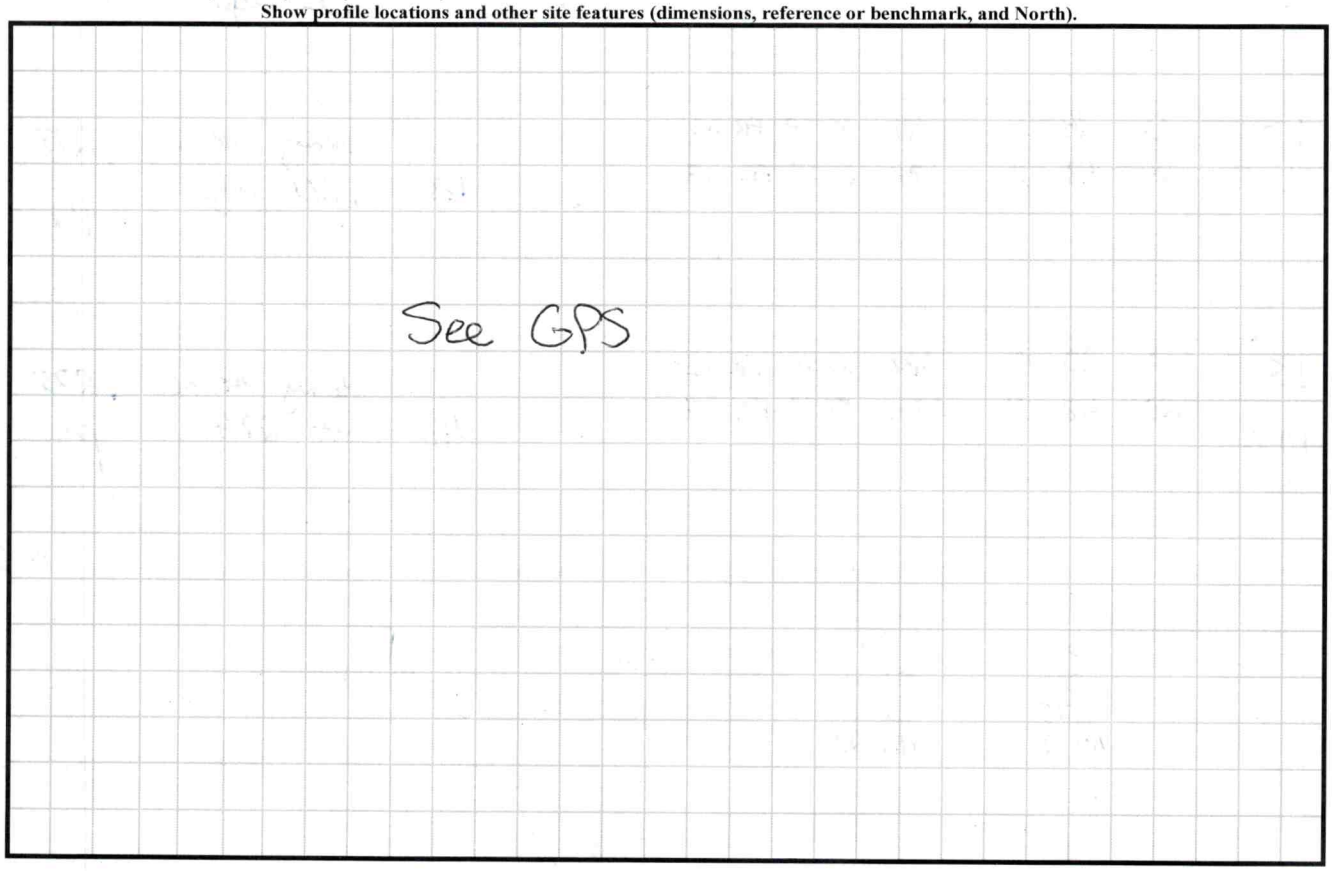
LEGEND

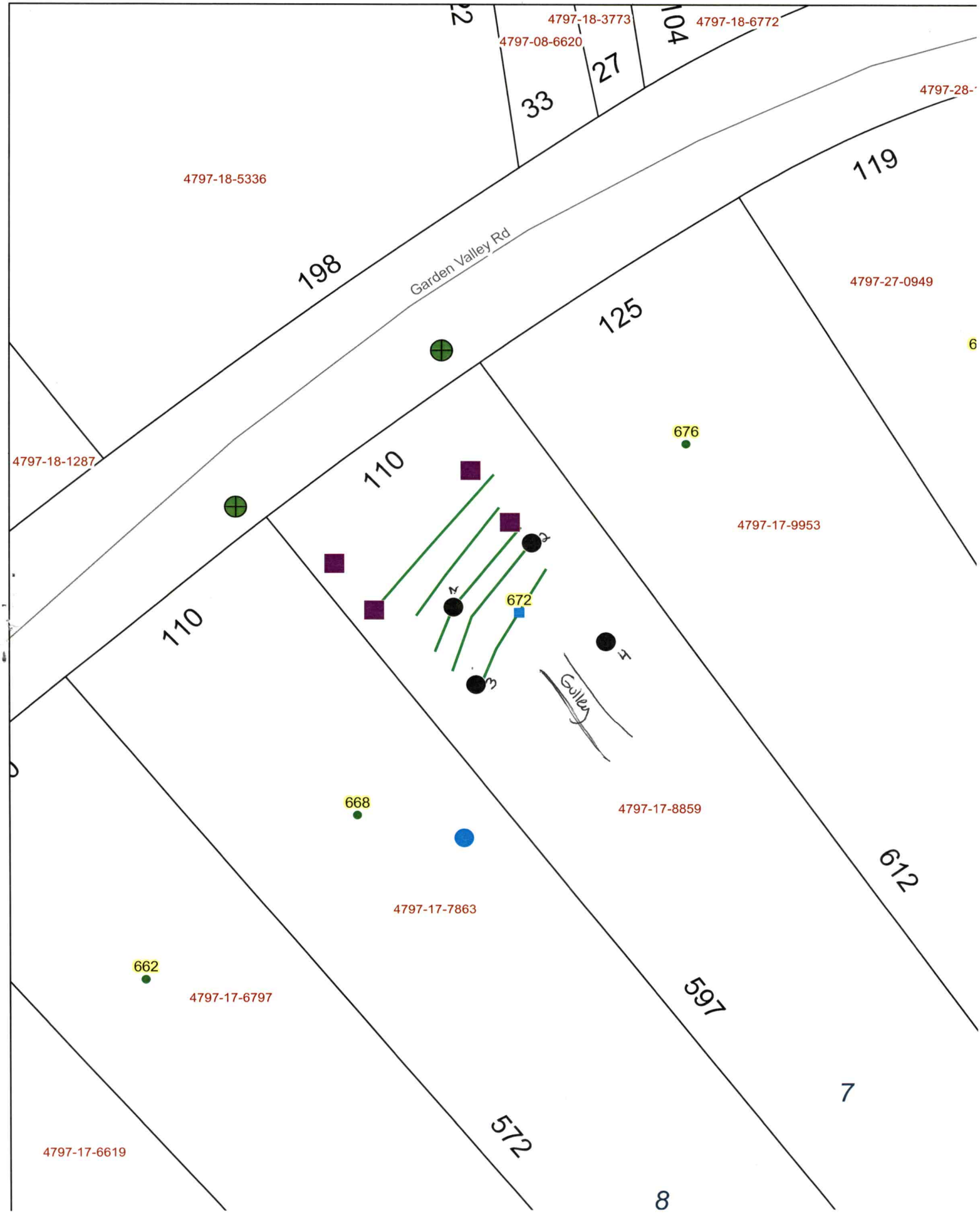
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).




4797-18-3773
4797-18-6772
4797-08-6620
104
27
33
4797-28-
4797-18-5336
119
198
Garden Valley Rd
4797-27-0949
125
676
4797-18-1287
110
4797-17-9953
672
110
Gullies
668
4797-17-8859
612
4797-17-7863
662
597
4797-17-6797
572
4797-17-6619
7
8