ICHD - ENVIRONMENTAL HEALTH DIVISION

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

SH

MANF - 2024 - 02443

PERMIT # OSWP 2024 59750

PIN # 4824 - 51 - 7422

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

APPLICANT/OWNER: Patricia Jenkins | APPLICANT ADDRESS: 202 Butch Branch Rd Union Grove NC 28689

SITE ADDRESS: 399 Zeb Rd Union Grove NC 28689 | PHONE: 704 875 2684 | ALT. PHONE —

SITE DIRECTIONS: I77 N → (L) Hwy 901 → Grassy Knob Rd → (L) Zeb Rd | SAP CONTROLLED: [X] YES [ ] NO

SUBDIVISION: Jenkins Family | SECTION: — | LOT # 1 | LOT AREA: 1.10 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.25 | L.T.A.R (Repair): 0.2

Septic Tank	1000 (gal)	STB	Date	[X] New System	[ ] Repair	[ ] Expansion	System Type: I II (III) IV V VI	[X] Residence	No. Bedrooms 3
Pump Tank	(gal)	PT	Date	System Description:	50% Reduction VPPBPS			[ ] Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description:	50% Reduction HPPBPS			[ ] Other	No. Employees —
# Nitrification Fields	1	# Lines 4	Linear Ft 240'	Maintenance Agreement Required:	[ ] YES	[X] NO		[ ] Slab	[X] Crawl Space
Trench Width	24"	*Max. Trench Depth(Initial)	33"	*Max. Trench Depth(Repair)	17"	Gravel Depth —	[X] GRAVITY	[ ] PRESSURE	[ ] Basement w/plumbing

* Measured on the downhill side of the trench

Effluent Standard: [X] DSE [ ] HSE [ ] TS-I [ ] TS-II [ ] RCW [ ] NSF/ANSI 40

Usable Depth to LC (Initial): 60 | Usable Depth to LC (Repair): 32 | *Limiting Condition*

Water Supply: [X] Private [ ] Public [ ] Community

[ ] Basement w/o plumbing

Comments / Conditions: Install on contour 8' on center. Do not shallow up. Utilize equal distribution. Do not drive, pave, grade, etc. in septic area.

INITIAL SITE SKETCH

See attached site plan by ICHD.

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.

TANK
TOP 2 LINES

SW 11/20/2024

INSTALLED
AS
SHOWN

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.* [X] **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* [X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE | Date: — | Installed by: Al Backhoe

IMPROVEMENT PERMIT by: Sarah Williams | Date: 9/12/2024 | OPERATION PERMIT by: Bryant C. White | Date: 11-20-2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 9/12/2024 | Existing System Inspected by: | Date:

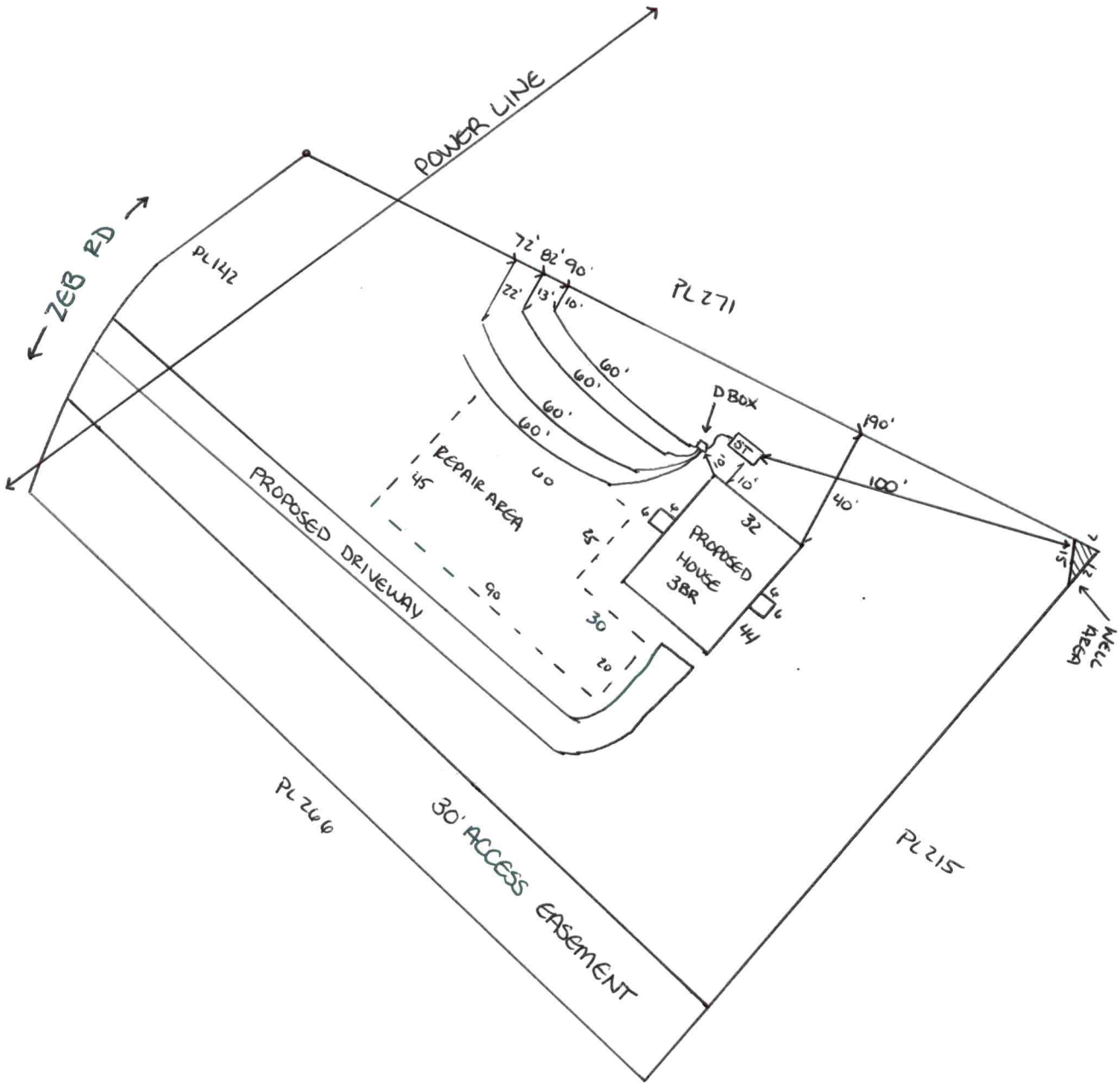
Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

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? _____	

399 Zeb Rd Union Grove
NC 28689

SCALE 1" = 50'

SH



PERMIT SNAPSHOT REPORT OSWP-2024-59750 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/14/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Williams, Sarah	**Approval Expire Date:**	
Description:	Used 32 x 44 on-frame modular home, 3 bedroom				

Parcel: 4824517422.000 Main	**Address:** 399 Zeb Rd Union Grove, NC 28689 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Patricia K Jenkins	Deena Abee
202 Butch Branch Road	2381 Us Highway 64 W
Union Grove, NC 28689	Mocksville, NC 27028
Mobile: (704) 875-2684	

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	Yes	All proposed structure dimensions	32 x 44 home with 2 - 6 x 6 decks
What are the proposed structures	New Single-Family Residence - Modular	Type of New Single-Family Residence	Modular	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Lot Acreage	1.1
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Aug 15 2024 12:00AM	Zoning Permit Expiration Date	Feb 11 2025 12:00AM
Is the structure or development in the floodplain	No	Is the property in a local historic district?	No	Is the property located downtown?	No
Additional Unique Setbacks Apply	No	Watershed	WSIII BOW HUNTING CREEK		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Deena_Abee_8/14/2024.jpg	08/14/2024 10:28	Abee, Deena		Uploaded via CSS
399 Zeb Rd - floor plan_v1.pdf	08/14/2024 14:51	Abee, Deena	Available Online	
Authorization to Act - 399 Zeb Rd_v1.pdf	08/14/2024 14:51	Abee, Deena	Available Online	
399 Zeb Rd - site plan_v1.pdf	08/15/2024 7:00	Abee, Deena	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-241309	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	08/20/2024	08/21/2024 0:00	08/21/2024 0:00	08/21/2024 8:09	08/21/2024 8:09

Inspectors: Freeman, Brady (Primary)

Checklist Item	Description	Passed	Comments

PERMIT SNAPSHOT REPORT (OSWP-2024-59750)

General Comments	Checklist item used to track general comments, not specific to any other checklist item	No

Note	Created By	Date and Time Created
1. emailed customer. I'm waiting for customer to contact me back.	Peter Mravetz	08/19/2024 13:52

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00034783	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00034783	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		08/14/2024 14:51	08/14/2024 14:52
Confirm application complete v.1	Generic Action		08/14/2024 14:52
Zoning Review v.1		08/15/2024 7:02	08/16/2024 15:59
~~Floodplain Admin Overview v.1~~	Task		08/15/2024 7:02
Iredell County Zoning Approval v.1	Task	08/15/2024 7:02	08/15/2024 7:03
Issue Invoice v.1	Generic Action		08/15/2024 7:03
Fees Paid v.1	Generic Action		08/16/2024 15:59
Fees v.1		08/19/2024 8:53	08/19/2024 8:53
Issue Invoice v.1	Generic Action		08/19/2024 8:53
Fees Paid v.1	Generic Action		08/19/2024 8:53
Lot Readiness Verification v.1		08/20/2024 12:58	
OSWP Septic Preliminary Site Visit v.1	Inspection	08/20/2024 12:58	08/20/2024 12:58
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4824-51-7422
COUNTY: Iredell

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

OWNER: Patricia K Jenkins — DATE EVALUATED: 9/3/2024
ADDRESS: 202 Butch Branch Rd Union Grove NC 28689
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.0400): 360 — PROPERTY SIZE: 1.1 AC
LOCATION OF SITE: 399 Zeb Rd Union Grove NC 28689 — PROPERTY RECORDED: Y
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other — — WATER SUPPLY SETBACK: 100'
EVALUATION METHOD: Auger Boring (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 5-7% I	0-27	C SABK	S P SE FR	Lateral water @ 22" LITHO incl begin @	(41")	18"	—	S 0.25	3
		27-41	CL ABK	SS SP SE FR						
		41-60	L SAP M	NS NP SE VFR						
					Heavy SAP in CL Rock bond @ 28"- 30"					
2	LS 5-7% I	0-6	C TOP SBK	S P SE FR	2.5Y 5/6 @ 19"+	(58")		—	S 0.275	3
		6-23	C SABK	S P SE FR						
		23-58	CL ABK	SS SP SE FR						
		58-68	L SAP M	NS NP SE VFR	few litho @ 28"+ common mica in CL Heavy SAP in CL					
3	LS 5-7% R	0-11	C TOP SBK	S P SE FR	2.5Y 5/2 @ 32"-34" Lateral water @ 32"	(32")		—	S 0.225	3
		11-23	C SABK	S P SE FI						
		23-32	CL ABK	SS SP SE FR						
		32-60	L SAP M	NS NP SE VFR						
					heavy SAP incl in CL					
4	LS 5-7%	0-6	C TOP SBK	S P SE FR	10YR 6/2, 6/4, 5/4, 5/8, 6/3 @ 0"-33" IN ROOT CHANNEL & MOTTS IN ROOT SOME LATERAL H2O	(54")		—	U —	—
		6-29	C SABK	S P SE FI						
		29-54	CL WABK	SS SP SE FR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	240'	DRIP/PANELS
System Type(s)	G 50%	
Site LTAR	0.25	0.2
Maximum Trench Depth	@ 33"	

SITE CLASSIFICATION (.0509): S 0.25/0.2
EVALUATED BY: S. Williams
OTHER(S) PRESENT: B. Botkins

Comments:

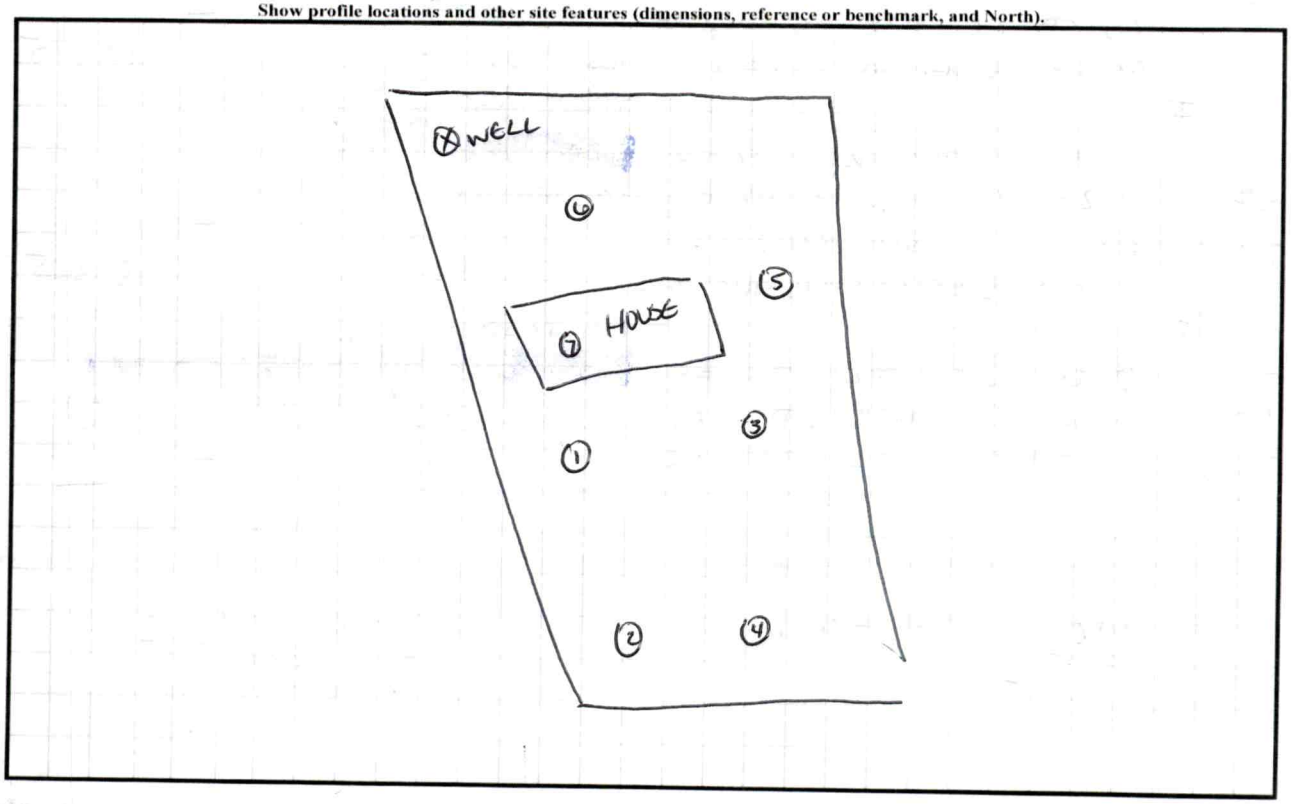
LEGEND

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).



SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4824-51-7422
DATE OF EVALUATION: 9/3/2024
COUNTY: Iredell

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
5	HS 7-9% 4"	0-17	C SABK	S P SE FR	10YR5/6@17"-28" 10YR6/3@22"-29" Heavy SAP in CL			-	S 0.2
		17-38	C ABK	S P SE FR					
		38-55	CL ABK	SS SP SE FR					
6	HS 9-11% 4"	0-6	C TOP SBK	S P SE FR	2.5Y6/4@16"-22" 2.5Y6/3@18"-22" 2.5Y6/2@22"+ Heavy SAP in CL			-	S 0.1 DRIP
		6-30	C SABK	S P SE FI					
		30-49	CL ABK	SS SP SE FR					
7	HS 7-9% 4"	0-16	C SABK	S P SE FR	10YR6/2+5/2 0"-22"+47" Heavy SAP in CL	(52")		-	U
		16-31	C ABK	S P SE FR					
		31-52	CL WABK	S P SE FR					

COMMENTS: _____


1 inch = 50 feet
4824-51-7956
4824-51-0479
215
266
399
1
4824-51-7422
271
142
369
Zeb Rd
PB 83-69
4824-51-5266
2
155
Fletcher Rd
4824-51-955
4824-61-0191

Lot 1
399 Zeb Rd
Union Grove
4824517422

