DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ____ of
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Carolina Tractor + Equipment APPLICANT: Mathes Construction
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 12/14/04
PROPOSED FACILITY: Commercial → 20 Employees PROPOSED DESIGN FLOW (.1949): 500 gpd PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☒ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

Cat Engine

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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	PROFIL CLASS & LTAR
1	4% Linear	0-11	OK/SCR sbk	Fr SS SP SEXP	18" Black Orange Mottles Chroma 2				PS .25
		11-36	C A&k	Fi S P SEXP					
2	5% Linear	0-10	VFR ORG SCR sbk	Fr SS SP SEXP	17" Black Orange mottles chroma 2				PS .25
		10-48	C A&k	Fi S P SEXP					
3						2000 Lin Ft / 1000 Lin Ft = 2			.40
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Pump Low Pressure Pond	Pump Low Pressure Pond
Site LTAR	.25	.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Bill Johnson
OTHER(S) PRESENT: _____

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	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	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)		SLC (Silt Loam Clay)				
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)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

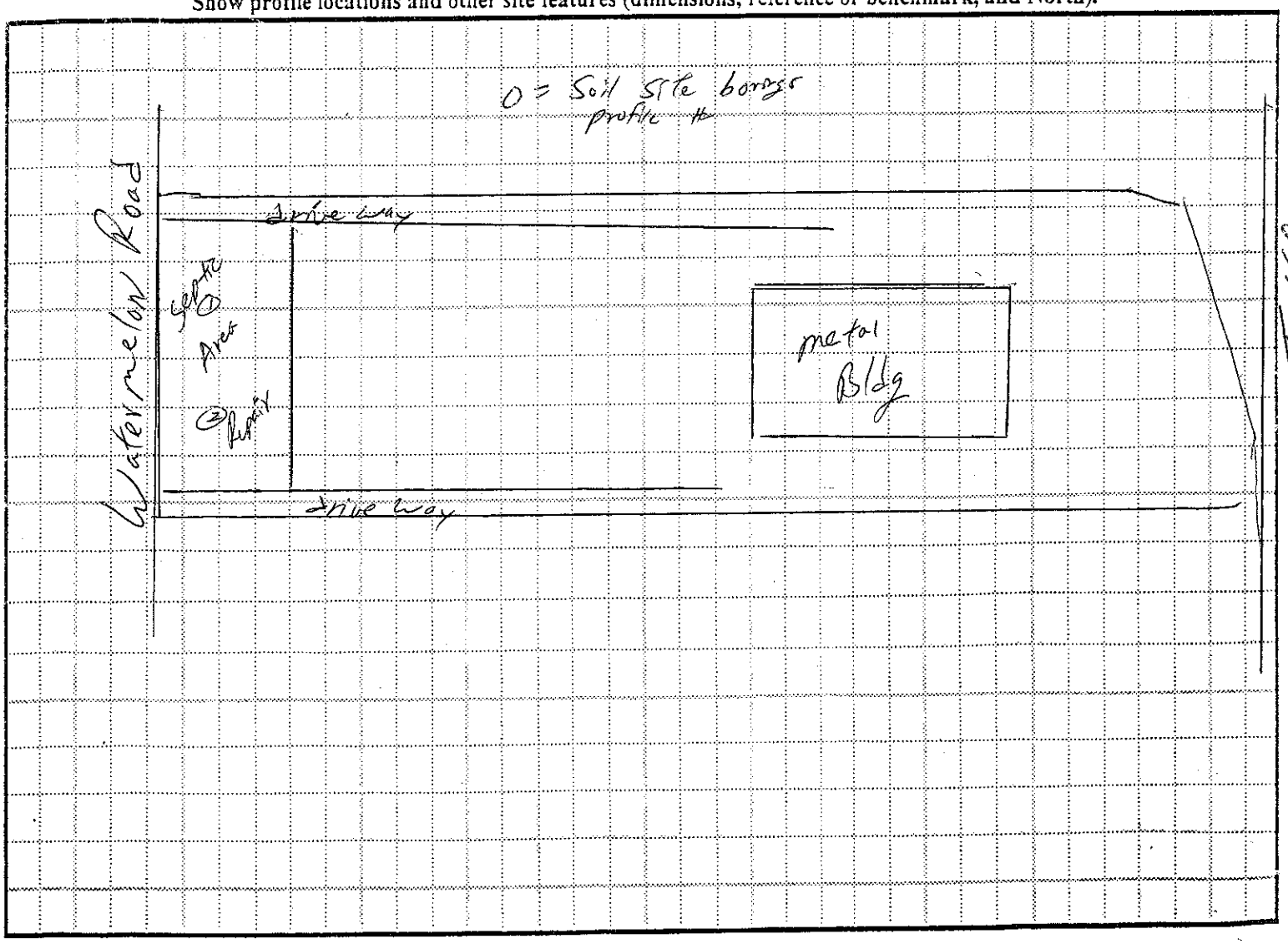
NOTES

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/ft²

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



DEPARTMENT OF ENVIRONMENT, HEALTH & NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

DRAFT

SHEET ____ OF ____

PROPERTY I.D.#: _____
DATE: _____
COUNTY: _____

SOIL SITE EVALUATION FOR ON-SITE WASTEWATER SYSTEM

APPLICANT: Carolina Tractor
ADDRESS: _____
OWNER__ AGENT:__ PHONE: _____
APPLICATION DATE: _____ DATE EVALUATED _____
PROPOSED FACILITY: _____
PROPERTY SIZE: _____
LOCATION OF SITE: _____
WATER SUPPLY: On-site Well____ Comm. Well____ Public____ Other_____ EVAL. METHOD: Auger Boring___ Pit___ Cut____

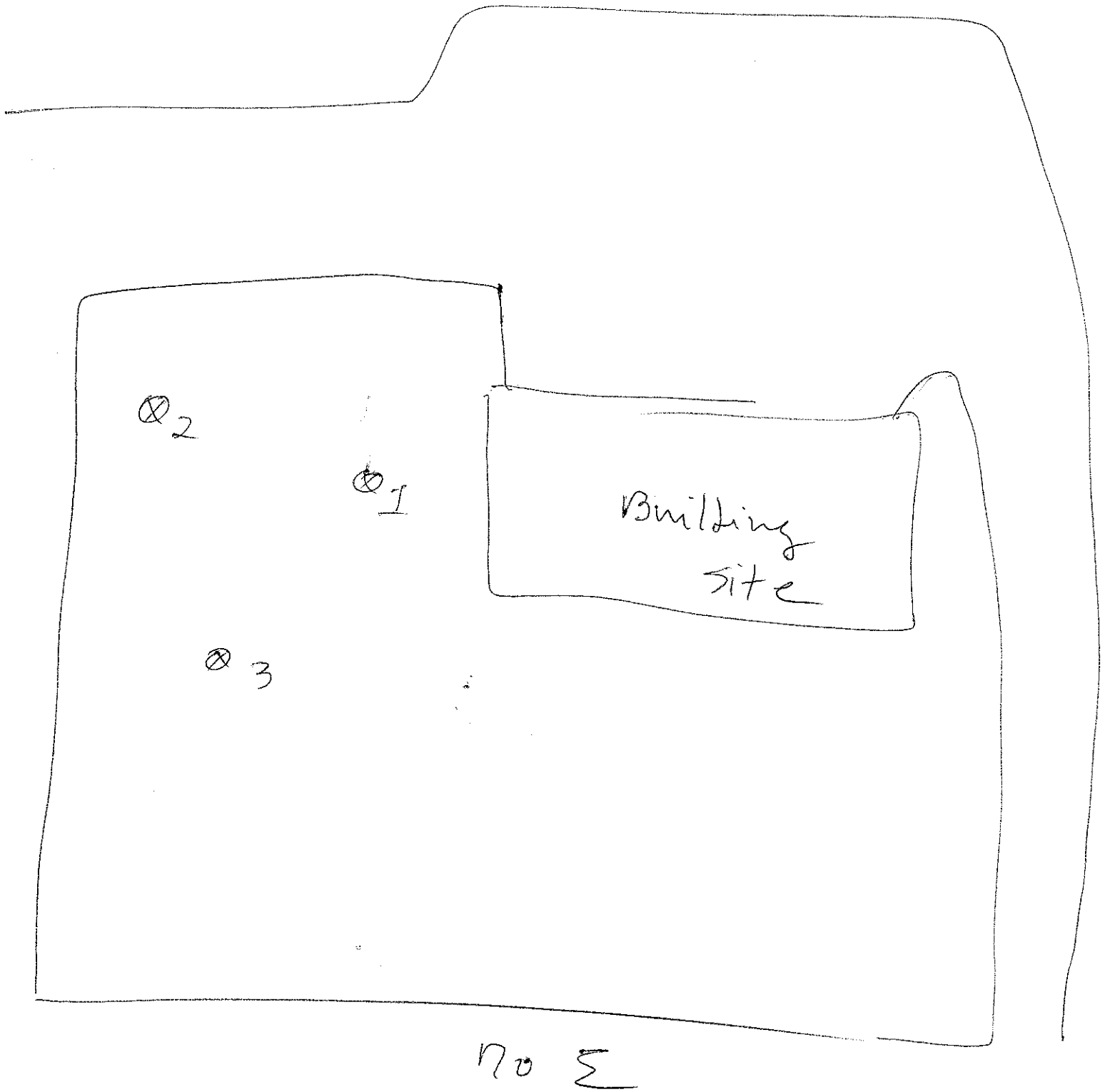
PROFILE #	.1940 LANDSCP POS./ SLOPE(%)	HORIZON DEPTH (IN.)	.1941 (1) TEXTURE	(2) STRUCTURE	(3) MINEROLOGY	MATRIX COLOR	MOTTLE COLOR	OTHER PROFILE FACTORS
1	Linear 6-90	0 to 4	L	GR				.1942 Wetness Cond. - N/A
		4 to 48	C	SBK	1:1			.1943 Depth/.1956 Sapr. - N/A
								.1944 Restrictive Hori. - N/A
								.1948 Profile Class. - PS
								Profile LTAR : .35
2	Linear 6-90	0 to 4	L	GR				.1942 Wetness Cond. - N/A
		4 to 30	C	SBK	1:1			.1943 Depth/.1956 Sapr. - N/A
		30 to 48	C	weak SBK	1:1			.1944 Restrictive Hori. - N/A
								.1948 Profile Class. - PS
								Profile LTAR : .3
3	Linear	0 to 4	L	GR				.1942 Wetness Cond. - N/A
		4 to 36	C	SBK	1:1			.1943 Depth/.1956 Sapr. - N/A
		36 to 48	C	weak SBK	1:1			.1944 Restrictive Hori. - N/A
								.1948 Profile Class. - PS
								Profile LTAR : .3
4								.1942 Wetness Cond. -
								.1943 Depth/.1956 Sapr. -
								.1944 Restrictive Hori. -
								.1948 Profile Class. -
								Profile LTAR -

VARIABLE SPACE (.1945) Yes OTHER FACTORS (.1946) _____ SITE CLASSIFICATION (.1948) PS

SYSTEM TYPE Conv Gravity LONG-TERM ACCEPTANCE RATE(S) .3

EVALUATED BY: _____ OTHER(S) PRESENT: _____

COMMENTS: Rodney munday woody


2
1
Building
site
3
no Σ