TCJ CONSULTING

SITE / SOIL EVALUATION

JOB:_____ PHONE:_____ DATE:_____

LOCATION:_____ PIN:_____ COUNTY:_____ PROPERTY SIZE:_____

PROPOSED FACILITY:_____ WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut_____

WEATHER: _____ ANTECEDENT MOISTURE:_____ SURFACE WATER: _____

Lot 19 06/22

FACTORS	PROFILE 5	PROFILE 6	PROFILE 7	PROFILE_
LANDSCAPE POSITION-%	30%	L 5%		
HORIZON I DEPTH	0-2	0-6 f/c	0-4 A/E	
Color - Munsell	dk gray/brn 10	dark gray/brown		
Texture	sl, fcf	sil		
Structure	g	g		
Consistence	vfi/fi	fi/fr		
Boundary	clear	clear		
HORIZON DEPTH II	2-20 E	6-24	4-36	
Color - Munsell	5Y 6/2	10YR 5/4	10YR 6/4	
Texture	sl, sic l	c	c	
Mottles	N2		N2 few/med/dist 5YR 5/8	
Structure		m-c, f SBK	m-f SBK	
Consistence		fi/fr	fi/fr	
	Wet soils	Wet soils		
Boundary				
HORIZON III DEPTH	20-40	24-50 Lab I	36-60 Lab II	
Color - Munsell	10YR 5/1	10YR 5/1	10YR 5/1	
Texture	c	c-c f gvl	c-vfcl cmpsb	
Mottles	vf	many dist.	few/com/dist/prom	
Structure				
Consistence				
	c-m f mod SBK			
Boundary				
HORIZON IV DEPTH	40-75	50-60 Lab II		
Color - Munsell	10YR 5/1	10YR 5/1		
Texture	cl	sil gr		
Mottles				
Structure	m lam			
Consistence				
	many dist 10YR 5/6			
Boundary	75-120			
SOIL WETNESS	2) 1m			
RESTRICTIVE HORIZON	2) 75			
SAPROLITE	DNR 0			
LTAR			pg	
CLASSIFICATION				

LEGEND

LANDSCAPE POSITIO
R - Ridge Interfh
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
H - Head slope
Cc - Concave slope
Cv - Convex slope
T - Terrace
P - Flood Plain

TEXTURE
s - sand
ls - loamy sand
sl - sandy loam
l - loam
si - silt
sil - silt loam
sicl - silty clay loam
cl - clay loam
scl - sandy clay loam
sc - sandy clay
sic - silty clay
c - clay

CONSISTENCE
Moist / Wet
WET
Ns - non-sticky
Ss - slightly sticky
S - sticky
Vs - very sticky

Np - non-plastic
Sp - slightly plastic
P - plastic
Vp - very plastic

MOIST
vfr - very friable
fr - friable
fi - firm
vfi - very firm
efi - extremely firm

STRUCTURE
sg - single grain
m - massive
cr - crumb
gr - granular
sab - subangular blocky
ab - angular blocky
pl - platy
pr - prismatic

PARTICLE SIZE ANALYSIS

SERIES: Lockhart LAB ID# - 1
PEDON # 0 COLLECTED 11-7-96
HORIZON: inches
SAMPLE SIZE IS 80 GRAMS
BY TCJ
PHOTO:

	30 sec	90 sec	3 hr	10 hr
READING	45	42	25	22
BLANK	4	4	4	4
TEMP C	24	24	24	24

1. Concentration C=R-R1 at
   30 seconds= 41
   90 seconds= 38
   3 hours= 21
   10 hours= 18

2. P=(C/Co)*100
   30 seconds= 51.25
   90 seconds= 47.5
   3 hours= 26.25
   10 hours= 22.5

3. d=theta / t^.5 * Tcorr
   30 sec d= 54.11629
   90 sec d= 32.28264
   3 hrs d= 3.36
   10 hrs d= 1.88

% sand = 49.32
% silt = 27.77
% clay = 22.91

Textural Class =SANDY CLAY LOAM

PARTICLE SIZE ANALYSIS

SERIES: Lockhart LAB ID# - 4
PEDON # 0 COLLECTED 11-7-96
HORIZON: inches
SAMPLE SIZE IS 80 GRAMS
BY TCJ
PHOTO:

	30 sec	90 sec	3 hr	10 hr
READING	45	42	33	32
BLANK	4	4	4	4
TEMP C	24	24	24	24

1. Concentration C=R-R1 at
30 seconds= 41
90 seconds= 38
3 hours= 29
10 hours= 28

2. P=(C/Co)*100
30 seconds= 51.25
90 seconds= 47.5
3 hours= 36.25
10 hours= 35

3. d=theta / t^.5 * Tcorr
30 sec d= 54.11629
90 sec d= 32.28264
3 hrs d= 3.17
10 hrs d= 1.75

% sand = 49.32
% silt = 15.39
% clay = 35.28

Textural Class =SANDY CLAY

PARTICLE SIZE ANALYSIS

SERIES: Lockhart LAB ID# - 5
PEDON # 0 COLLECTED 11-7-96
HORIZON: inches
SAMPLE SIZE IS 80 GRAMS
BY TCJ
PHOTO:

	30 sec	90 sec	3 hr	10 hr
READING	29	24	14	12
BLANK	4	4	4	4
TEMP C	24	24	24	24

1. Concentration C=R-R1 at
   30 seconds= 25
   90 seconds= 20
   3 hours= 10
   10 hours= 8

2. P=(C/Co)*100
   30 seconds= 31.25
   90 seconds= 25
   3 hours= 12.5
   10 hours= 10

3. d=theta / t^.5 * Tcorr
   30 sec d= 61.91144
   90 sec d= 37.04281
   3 hrs d= 3.6
   10 hrs d= 2

% sand = 71.35
% silt = 18.65
% clay = 10

Textural Class =SANDY LOAM

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: Kraus APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 10-6-92
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 22 Oakbrook PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

Now Lot 19

PROFILE #	1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (1941) 1941 STRUCTURE/ TEXTURE	1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS 1942 SOIL WETNESS/ COLOR	1943 SOIL DEPTH	1956 SAPRO CLASS	1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L ~1%	0-20	SaL R cl/cl	fr sp/sp/vp					
		20-43	wk sabk p/mod cl/sp/fi	ss/sp/sap					
		43-48+	wk sabk gy L/Sap	fr ss/sp-NP					
			This pit evidence	mottle sap > 42"		1960			
2	L 1%	0-24	SaL R cl/cl	fr sp/sp/vp					
		24-44	wk sabk R/mod cl/sp/fr-fi	ss/sp/sap					
		44-48+	wk sabk brn L/sap	fr ss/sp-NP					
			This pit evidence	sap that may be mottle 42" +		1960			
3	L 1%	0-18	sabk R cl	fr sp/sp/vp					
		18-44	wk sabk mod cl/sp/fr	ss/sp/sap					
		44-60+	wk sabk mod L/sap	fr ss/sp/NP					
			This pit evidence	mottle sap 42"		1960			
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
OTHER(S) PRESENT: _____