...MENT OF ENVIRONMENT AND NATURAL RESOURCES
...ION OF ENVIRONMENTAL HEALTH
...N-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

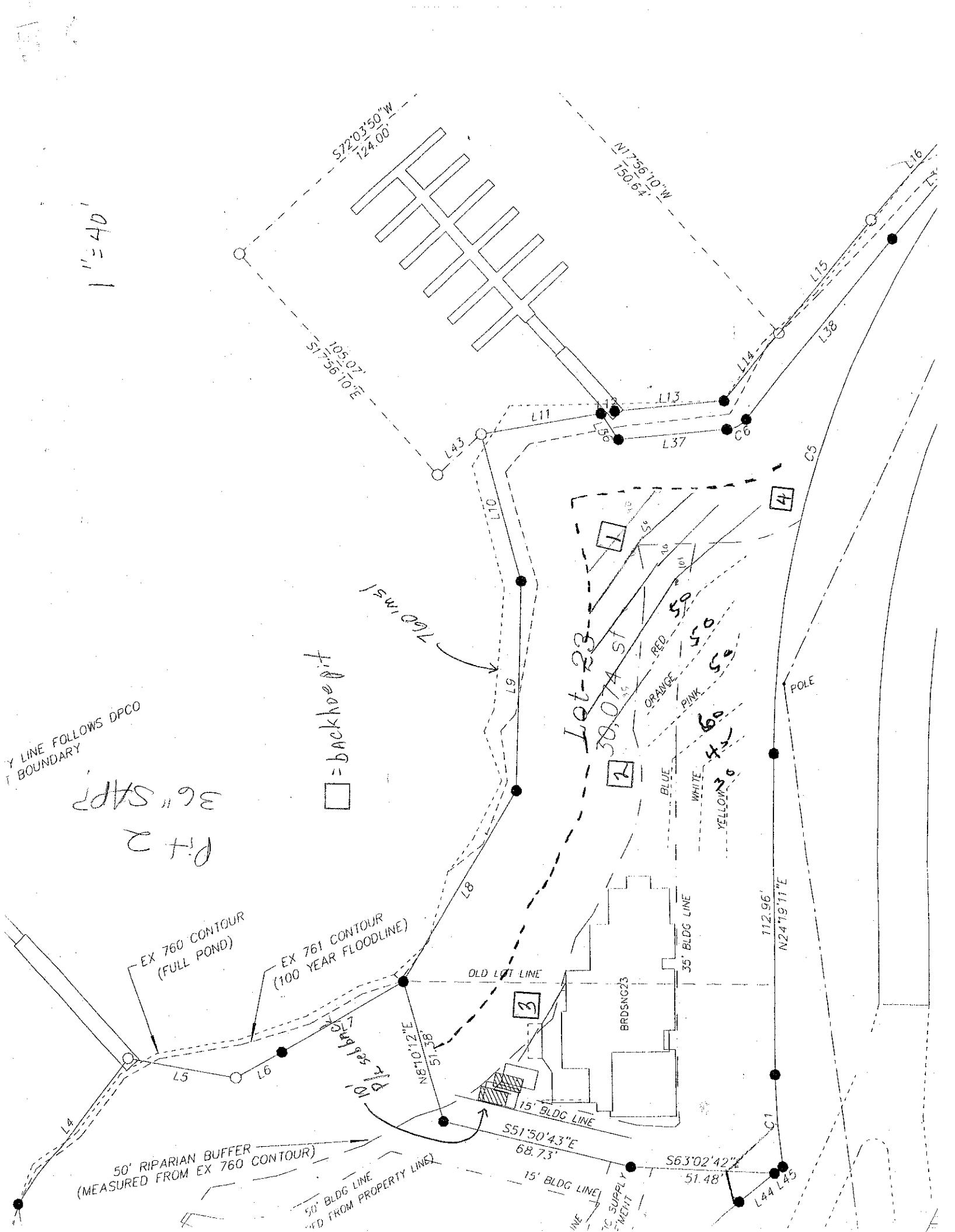
OWNER: Lon Bales Lot 23 Tuck. Pk. APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1949 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.) P:H	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1955 SAPRO CLASS	OTHER PROFILE FACTORS .1946 RESTR HORIZ	PROFILE CLASS & LTAR
1	C	0-45	SBK/C	FI: Qz - Fn SS/SS	R				.25
2	C	0-6	gr/cl	Fn SS/SS	L				
		6-20	SBK/C	Fn SS/SS	RED				
		20-45	SBK/cl	Fn SS/SS	MOT		FI		.5
3	C	0-38	SBK C	Fn SS/SS	R				
		38-48	SBK cl	Fn SS/SS	R		FI		.5
4	C	0-5	gr/cl	Fn SS/SS					
		5-38	SBK/C	Fn SS/SS	MOT				
		38-45	SBK/cl	Fn SS/SS	MOT		FI		.5

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	
System Type(s)	BASES	
Site LTAR	.5	

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

COMMENTS: _____


1" = 40'
S72°03'50"W
124.00'
N17°56'10"W
150.64'
S17°56'10"E
105.07'
L43
L11
L13
L14
L15
L16
L38
L37
C6
C5
L10
L9
L8
L7
L6
L5
L4
Lot-23
30,074 SF
RED
ORANGE
PINK
BLUE
WHITE
YELLOW
POLE
112.96'
N24°19'11"E
OLD LOT LINE
35' BLDG LINE
BRDSNG23
15' BLDG LINE
N8°10'12"E
51.38'
S51°50'43"E
68.73'
S63°02'42"E
51.48'
C1
L44
L45
50' RIPARIAN BUFFER
(MEASURED FROM EX 760 CONTOUR)
50' BLDG LINE
(MEASURED FROM PROPERTY LINE)
15' BLDG LINE
EX 760 CONTOUR
(FULL POND)
EX 761 CONTOUR
(100 YEAR FLOODLINE)
= backhoe pit
Pit 2
36" SAP
Y LINE FOLLOWS DPCO
T BOUNDARY

TCJ CONSULTING

SITE / SOIL EVALUATION

For Repair (Pretreatment)

JOB: Kenneth Beeler Home PHONE: DATE: 7/30/07

LOCATION: Lot 23 Tuscarora Dr PIN: COUNTY: Iredell PROPERTY SIZE: 30K

PROPOSED FACILITY: 4BR WATER SUPPLY: On-Site Well ✓ Community__ Public__ EVALUATION: Auger Boring__ Pit ✓ Cut__

WEATHER: P ANTECEDENT MOISTURE: moist SURFACE WATER: LK Norman

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
LANDSCAPE POSITION	LS LS	LS LS	LS LS	LS LS
HORIZON I DEPTH	0-6	0-17	0-14	0-23
Color - Munsell	red 2.5YR 4/6	red 2.5YR 4/6	cambon mica	red
Texture	hcl	hcl -		hcl
Structure	MM SAB		old mud hole	MM SAB
Consistence	fri ss sp			fri ss sp
	many roots	Many roots Mica Top	Coko fill old hole	M roots
			many roots lower	
Boundary	gr			
HORIZON DEPTH II	6-28	17-26	14-22	23-42
Color - Munsell	red	red/redyel	red	red
Texture	cl	cl	hcl	fcl
Mottles	NA	Few	NA	fine to fm
Structure	mm to SAB		MW SAB	cf SAB
Consistence	fri ss sp		fri	fri ss sp
		sap used in soil		
Boundary	gradual	gr		
HORIZON III DEPTH	28-56	26-60	22-60	42-62
Color - Munsell	red + dirty white	Very red/yel	red	Very red yel
Texture	fsyl cl +	fcl	cl	cl, l
Mottles	+ to c amt of sap	C med/prom/dist		vfine to fm
Structure			MM SAB	V VF SAP to M, WK C
Consistence		friable-loose	V friable	fri
Boundary				
HORIZON IV DEPTH				
Color - Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
SOIL WETNESS	NA	NA	NA	NA
RESTRICTIVE HORIZON	"	"	"	"
SAPROOTE	>42	>42	>42	>42
LTAR	.3	.3	.3	.3
CLASSIFICATION	PS	PS	PS	PS

LEGEND

LANDSCAPE POSITION
R - Ridge DW Ridge
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
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