

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

Owner:
 Address:
 Proposed Facility: Design Flow (.1949):
 Location of Site:
 Water Supply: Public Individual Well
 Evaluation Method: Auger Boring Pit
 Type of Wastewater: Sewage Industrial Process

Applicant:
 Date Evaluated:
 Property Size:
 Property Recorded:
 Spring Other
 Cut
 Mixed

P R O F I L E #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
1	L	0-6	LOAM	FR SL NSMP					
		6-22	SCL	FR SL SSP					
		22-42	CRY	SLY SL SSP	30				
2	L	0-7	SL	FR CL NSMP					
		7-21	SL	FR CL SSP					
		21-42	SL	SLY SL SSP	31"				
3	L	0-9	LOAM	FR CL NSMP					
		9-24	SL	FR SL SSP	27				
		24-	SL	FR SL SSP					

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	CS	LIPP
Site LTAR	1.35	1.35

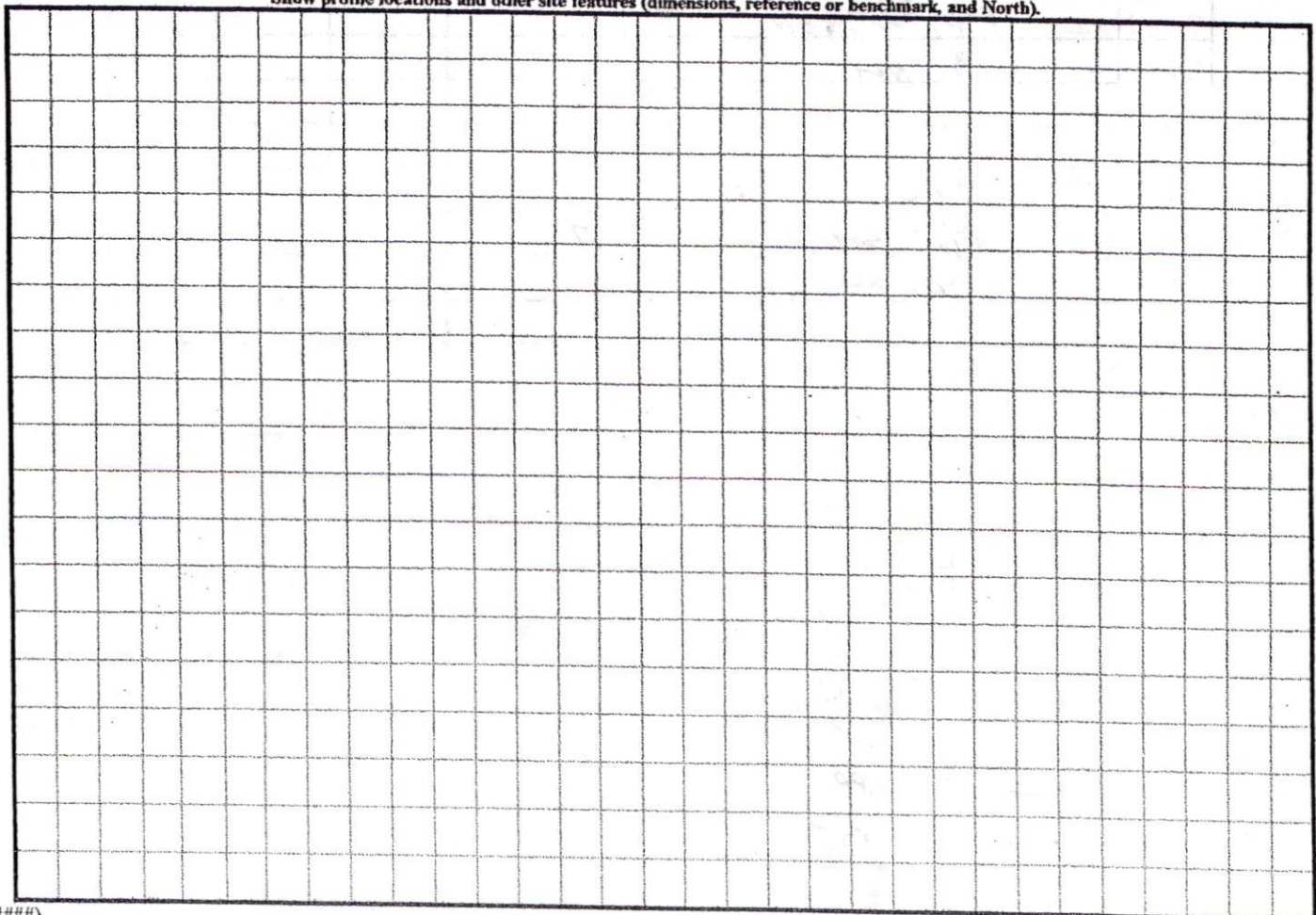
Other Factors (.1946): _____
 Site Classification (.1948): _____
 Evaluated By: _____
 Others Present: _____

COMMENTS: _____

<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE					
H-HEAD SLOPE	III	SI-SILT-	0.6 - 0.3	FI-FIRM	S-STICKY
CC-CONCLAVE SLOPE		SIL-SILT LOAM			
CV-CONVEX SLOPE		CL-CLAY LOAM			
T-TERRACE		SCL-SANDY CLAY LOAM			
FP-FLOOD PLAN		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 - 0.1	VFI-VERY FIRM	VS-VERY STICKY
		C-CLAY			
		SC-SANDY CLAY			

<u>STRUCTURE</u>	<u>MINERALOGY</u>
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	

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



(#####)

RUBY LONG MANATEE DESIGN

~~3 1" SCH40 TAPS~~

$$\del{3 \times 20.2 = 60.6 + 2 = 62.6}$$

3 $\frac{3}{4}$ " SCH40 TAPS

$$3 \times 12.5 = 37.5 + 2 = 39.5 \approx 40 \text{ gpm}$$

$$TDH = EH + PH + FH$$

$$8' + 2' + 1' = 11'$$

$$EH = 6' 1" \Rightarrow 3' 10" \text{ ON SURFACE} = 27"$$

TANK DEPTH 6'

$$8' 3" \sim 8'$$

$$FH = 3.03 / 100'$$

$$3.03 \times .46 = 1.4 \sim 1'$$

$$40 \text{ gpm @ } 11'$$

$$345' \times .65 \times .75 = 168 \text{ gal / dose}$$