

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

Owner: \_\_\_\_\_ Applicant: \_\_\_\_\_  
 Address: \_\_\_\_\_ Date Evaluated: \_\_\_\_\_  
 Proposed Facility: \_\_\_\_\_ Design Flow (.1949): \_\_\_\_\_ Property Size: \_\_\_\_\_  
 Location of Site: \_\_\_\_\_ Property Recorded: \_\_\_\_\_  
 Water Supply:  Public  Individual  Well  Spring  Other  
 Evaluation Method:  Auger Boring  Pit  Cut  
 Type of Wastewater:  Sewage  Industrial Process  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	0-8	SL	FR GR NSWP					.1
		8-18	SC-CLAY	SL GRN SBK S.P.			18"		
2	L	0-8	SL	FR GR NSWP					.2
		8-18	SCL	FR GR NSWP			24		
		18-30	SC-CLAY	SL GRN SBK S.P.					
3	L	0-24	SL	FR GR NSWP					.3
		24-48	SCL	FR GR			36		
				SL GRN SBK S.P.					
4	L	0-24	SL	FR GR NSWP					.35
		24-30	SCL	FR GR NSWP					
		30-48	SC-CLAY	SL GRN SBK S.P.			42		

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR	.35	.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	III	SI-SILT-	0.6 - 0.3	FI-FIRM	S-STICKY
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1	VFI-VERY FIRM	VS-VERY STICKY
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			
		SICL-SILTY CLAY LOAM		EFI-EXTREMELY FIRM	NP-NON-PLASTIC
					SP-SLIGHTLY STICKY
					P-PLASTIC
					VP-VERY PLASTIC

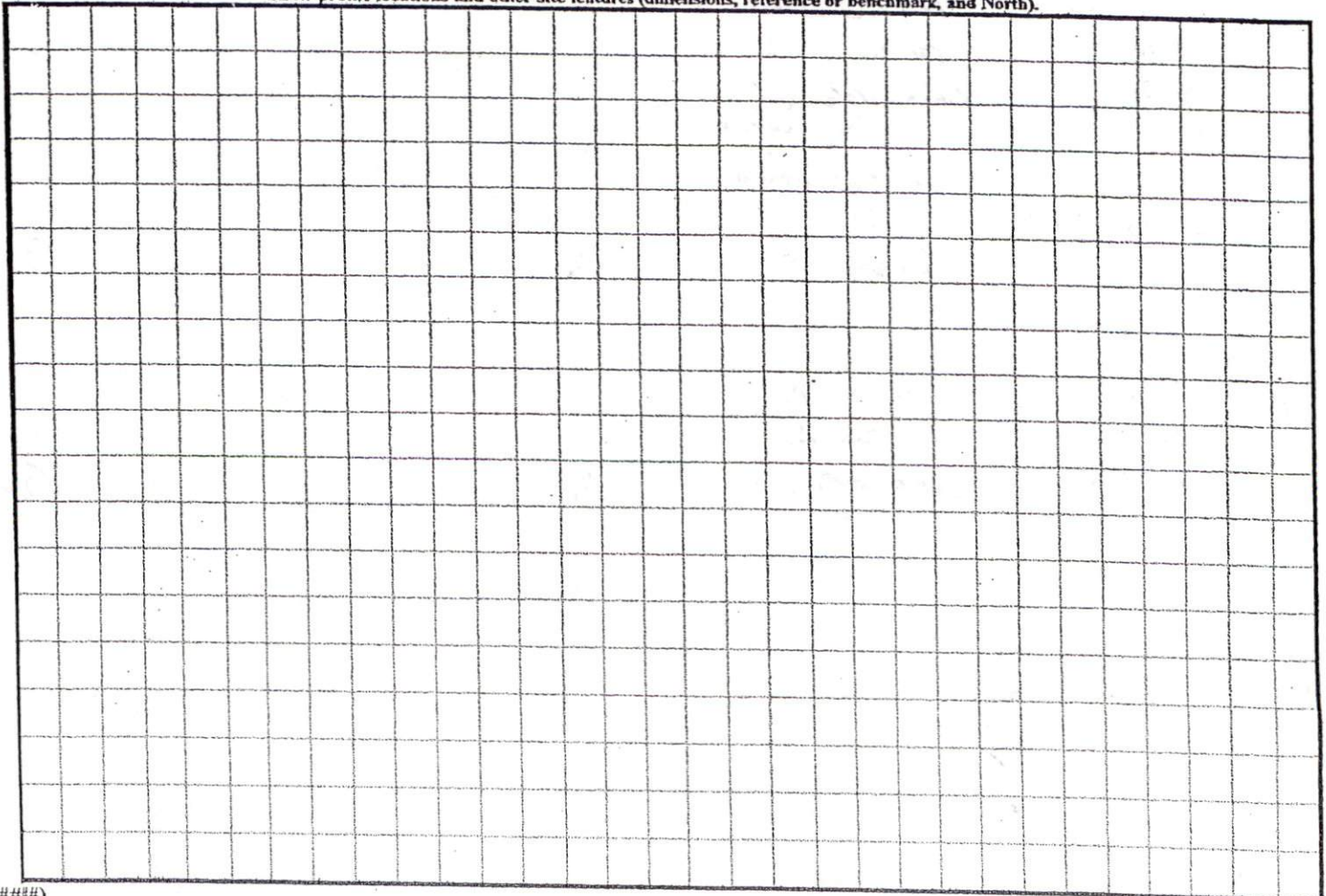
STRUCTURE

- SG-SINGLE GRAIN
- M-MASSIVE
- CR-CRUMB
- GR-GRANULAR
- SBK-SUBANGULAR BLOCKY
- ABK-ANGULAR BLOCKY
- PL-PLATY
- PR-PRISMATIC

MINERALOGY

- SLIGHTLY EXPANSIVE
- EXPANSIVE

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



CELEY

$$3 \text{ } \frac{1}{2} \text{'' SCH 40 TAPS} = 3 \times 7.11 = 21.33 + 2 = 23$$

$$\text{TDM} = \text{PH} + \text{FH} + \text{EH}$$

$$\text{PH} = 2'$$

$$\text{EH} = 12' + 6' \text{ FOOT TANK} = 18'$$

$$\text{FH} = 70' \text{ OF } 2'' \text{ PIPE}$$

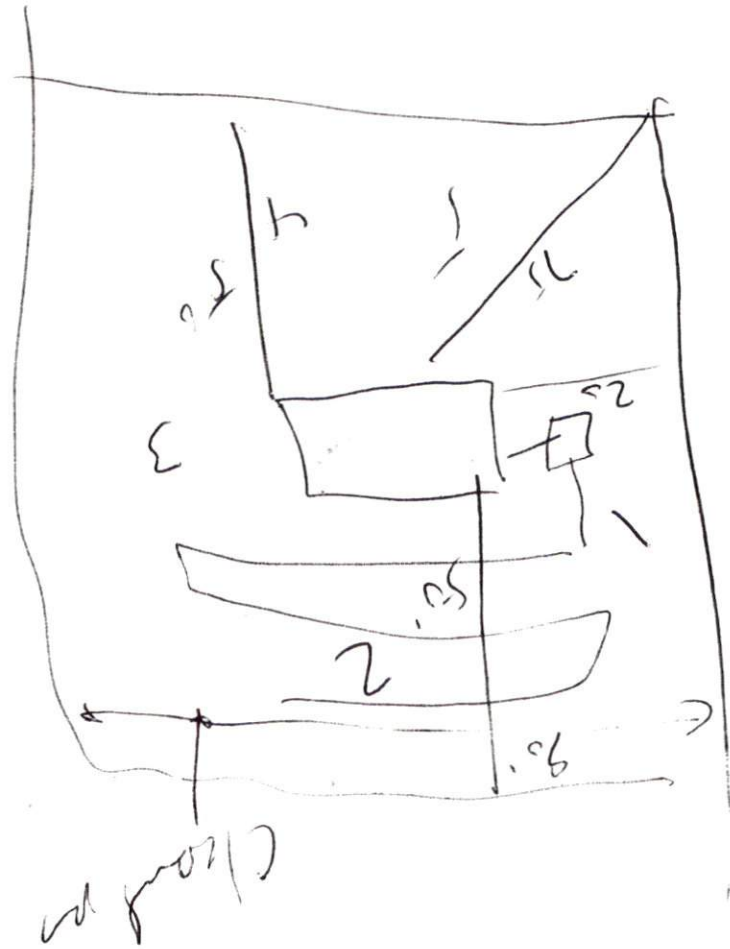
$$.70 \times 1.27 = .89' \times 1.2 = 1'$$

$$\text{TDM} = 21'$$

$$23 \text{ gpm @ } 21'$$

DOSE

$$450 \times .65 \times .66 = 193 \text{ gal/dose}$$





## COMMENTS: \_\_\_\_\_

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4-22-09

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Bryan DT + Jim E Go TO SITE TO check reported FAILURE (Repair App.)

ON ARRIVAL WALK OUT TO DRAINFIELD + TANK AREA AND SEE NO FAILURE AT THAT TIME. SPOTS LOOKED AS IF THERE WAS FAILURE AT ONE TIME (MAYBE A WEEK OR 2 OLD). OWNER ARRIVES AND EMPLOYEED TO USA HE HAD A FAILURE, BUT REPLACED (PUMP AT ONE TIME) ALSO HAD WATER Softener - Attached to <sup>WATER</sup> SYSTEM. SAID WHEN MR HOLLAND WENT THERE TO CHECK IT OUT TANKS WERE BACKLASH UP. OWNER RAN PUMP AND DISCONNECTED Softener. SYSTEM BEGAN TO OPERATE PROPERLY AND NO FAILURE OBSERVED AT TIME. TOLD OWNER TO GIVE FEEDING OF PREVIOUS HAND. AND CHECK PIPE GOING TO ELECTRIC BOX FOR FURTER BLOCKAGE.