

BECKER

$$4 \times 100'$$

4 $\frac{1}{2}$ " SCH40 VALVES

$$4 \times 7.11 = 28.44 + 2 = 30.44 = 30 \text{ gpm}$$

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

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

$$\text{EH} = 7'4'' \Rightarrow 2'9'' = 4'7'' + 6' = 10'7''$$

$$\text{FH} = 1.25 \times 1.78 = 2.225 \times 1.2 = 2'8''$$

$$\text{TDH} = 2' + 10'7'' + 2'8'' = 15'3'' = 15'$$

$$\text{Pump Speed} = 30 \text{ gpm @ } 15' \text{ TDH}$$

DOSE

$$400 \times .65 \times .66 = 172 \text{ gallons}$$

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

Owner:
 Address:
 Proposed Facility: 4 Bedroom House Design Flow (.1949): 480 gpd
 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		0-36"	SBK CL	FR S/P					P5 .3
		36" →	≥50% Pm						
2		0-6"	G SL						
		6"-10"	G SCL						
		10"	SBK CL	FR S/P	BT @ 22" DUE TO HOLE FILLING W/ WATER				
3		0-14"	G L	VFR NS/MP					P5 .3
		14-16"	SBK SCL	FR SS/S/P					
		16"-48"	SBK C	FR S/P	7.5' x 8' @ 42"				
4		0-10"	G L	VFR NS/MP					P5 .3
		10-20"	G SL	VFR NS/MP					
		20"-40"	SBK C	FR S/P	MC 32' @ 58"				

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	INNOV	INNOV
Site LTAR	.3	.3

Other Factors (.1946): _____
 Site Classification (.1948): P5
 Evaluated By: OT
 Others Present: _____

PUMP TO 4x100' @ 18-24"

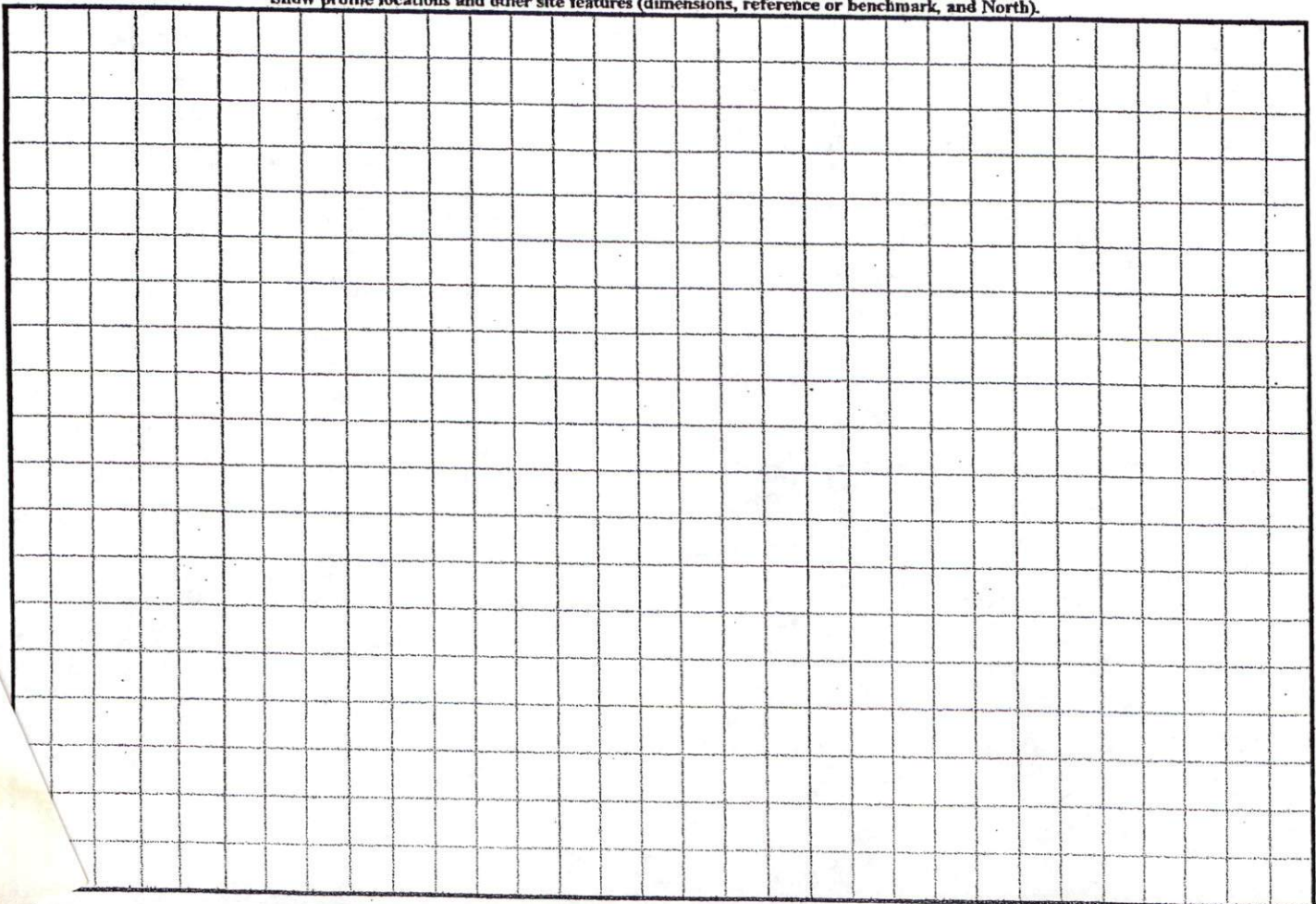
COMMENTS: _____

<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).



SITE PLAN APPROVAL
 DISTRICT BA30 USE SFD
 #BEDROOMS 4
 8-4-04 [Signature]
 ZONING ADMINISTRATOR

