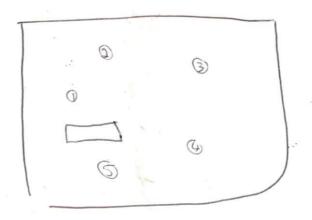
SITE/SOIL EVALUATION FOR ON-SITE WASTEWATER

APPLICANT NAME

DATE

FACTORS		PROFILES										
		1	2	3	4	5	6	7	8	9	10	
LANDSCAPE POSITION	.1940		- 1		1/147							
SLOPE (%)	.1940	0-2%	-				. 1		-	,		
HORIZON 1 DEPTH		0-6	9-8	0-8	0-6"	0-6	1 7/4					
Texture Group	.1941(A)(1)	L	L	L	1	2						
Consistence	.1941	VFQ.	VFC	VEC.	VFR	VFR.						
Structure	.1941(A)(2)	G	6	C	6	G:	- 1					
Mineralogy	.1941(A)(3)	多素	NELVE	NS)NP	30.5	SSISP				兴意	11	
HORIZON'2 DEPTH	1 1	ER 6-18	Say	8"4	6"	6"+						
Texture Group	.1941(A)(1)	CL	CL	CLIC	, C							
Consistence	.1941	FR	FR.	FR	Ft	1-1						
Structure	.1941(A)(2)	SBX	58K	SBK	ABK	ABK		0.00	1			
Mineralogy	.1941(A)(3)	35/50	55/5	85/30	55 P.	55 P			'			
HORIZON 3 DEPTH		184						No. Trans				
Texture Group	.1941(A)(1)	ale.							111			
Consistence	.1941	F1/1F1										
Structure	.1941(A)(2)	ABK/m										
Mineralogy	.1941(A)(3)	SH						×4.		S. S.		
HORIZON 4 DEPTH		8.5										
Texture Group	.1941(A)(1)											
Consistence	.1941		1									
Structure	.1941(A)(2)											
Mineralogy	.1941(A)(3)		1	W								
SOIL WETNESS	.1942	18"	18"	18,	8"	10'						
RESTRICTIVE HORIZON	.1944		1							-		
SAPROLITE	.1943/.1956											
CLASSIFICATION	.1948		1									
ONG TERM	.1955	3	3	.3				7.				
ACCEPTANCE RATE	.1909											



Guideline For Design and Installation of Fill Systems with Conventional Trenches

Trench and Fill Specifications

3	_	- Soil Texture Group	116	_ft.	- Length of Fill
.4.3	_gpd/sq. ft.	- Acceptance Rate	70	_ft.	- Width of Fill
480	_gpd	- Sewage Flow	8150	_sq. f	t Total Fill Area
540	_sq. ft	- Trench Bottom	12	_in.	- Depth of Sand
3	_ft.	- Trench Width	6.3	_cu. y	yd Volume of Sand
540	_ft.	- Total Trench Length	6	_in.	- Depth of Topsoil
6	- 19 M	- Number of Trenches	3.4	_cu. yo	i Volume of Topsoil
90	ft.	- Length of each Trench			

II. Site Preparation

- Place flags at the 4 corners of the area to be filled designated on the improvement permit.
 Failure to place fill in the permitted area may result in the fill having to be moved or the permit revoked.
- Do not work when the site is wet. Working on soil when wet can destroy soil structure making the site unsuitable for a Construction Authorization.
- Remove all above ground vegetation and root mat from area to be filled without removing topsoil. Removal of soil can result in revocation of the permit.
- Disk the area to be filled to a depth of 6 inches to break up root mat.

III. Placement Of Fill

- Add 3 to 4 inches of approved sand fill to area and disk again to thoroughly mix the original soil and the fill. Approved sand fill is a sand or loamy sand.
- Add more sand fill to achieve a uniform height of SD (see diagram) in the middle of the fill area.
- The fill shall be tapered from the top edge of the fill to the ground surface 2 feet from the boundary of the fill area. The top edge of fill is located 5 feet from the proposed trenches.

- 4. Six (6) inches of finer textured fill shall be placed over the sand fill and extend to the boundary of the fill area. Finer texture is necessary to establish a vegetative cover which will prevent erosion of the fill. Fill used for cover shall be a sandy loam, loam, silt loam or sand clay loam texture. See CD dimension of diagram. Side slope shall be 1 to 4 except for site with Soil Texture Group 1 which can have a side slope of 1 to 3.
- Contact Health Department for inspection of fill before constructing trenches. A
 Construction Authorization must be obtained before proceeding.

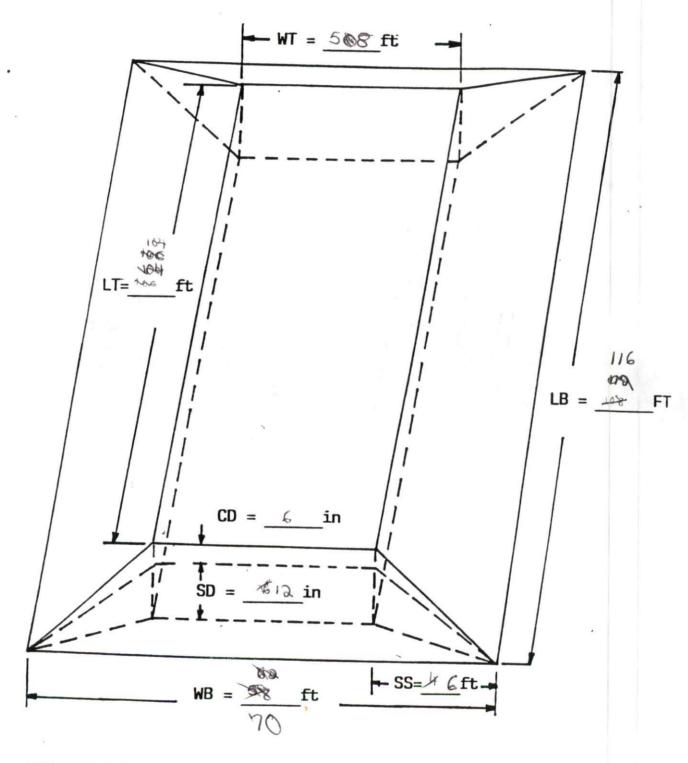
IV. Trench Construction

- 1. The outside edge of any trench shall be 5 feet from the top of the side slope of the fill.
- 2. This system is designed with 6 trenches which are 90 ft. long and 3 ft. wide. Trenches must have a spacing of 9 ft. on centers.
- 3. Trench bottoms shall be no deeper than 18 inches below finished grade of the fill.
- 4. Trench bottoms shall be constructed level.
- 5. Distribution boxes shall be located 5 feet from the top edge of the fill.
- 6. Call the Health Department for inspection after the trenches are finished.

V. Landscaping

- The fill must be shaped to shed surface water and shall be stabilized with grass or other suitable cover to prevent erosion.
- Vegetation must be maintained after established. Grass must be mowed.
- 3. Additional fill beyond what has already been specified may be necessary to cover and landscape around the septic tank.
- 4. Call the Health Department for inspection after landscaping is complete. The Operation Permit allowing use of the system is issued at this time.

DIMENSIONS OF FILL SYSTEM



DEFINITIONS

WT - width of top LT - length of top

WB - width of bottom

LB - length of bottom

SS - side slope

SD - sand depth

CD - cover depth

Calculation of Fill Volume

Total volume of fill (TVF)

$$TVF = [(LT + LB)/2 \times (WT + WB)/2] \times TFD$$

(DIVIDE BY 27 CU. FT. TO OBTAIN CU. YDS.)

= 9.7 CU. YDS.

Total volume of sand (TVS)

$$TVS = [(LT + LB - 4)/2 \times (WT + WB - 4)/2] \times SD$$

=
$$[(104 \text{ FT.} + 1)6 \text{ FT.} - 4)/2 \times (56 \text{ FT.} + 70 \text{ FT.} - 4)/2] \times 1000 \text{ FT.}$$

(DIVIDE BY 27 CU. FT. TO OBTAIN CU. YDS.)

= 6-3 CU. YDS.

Total volume of cover (TVC)

$$TVC = TVF - TVS$$

$$= \frac{9.7}{1.0}$$
 CU. YD. - 6.3 CU. YD.

Key to abreviations:

$$LT = length of top$$

$$WT = width of top$$

$$= SD + CD$$