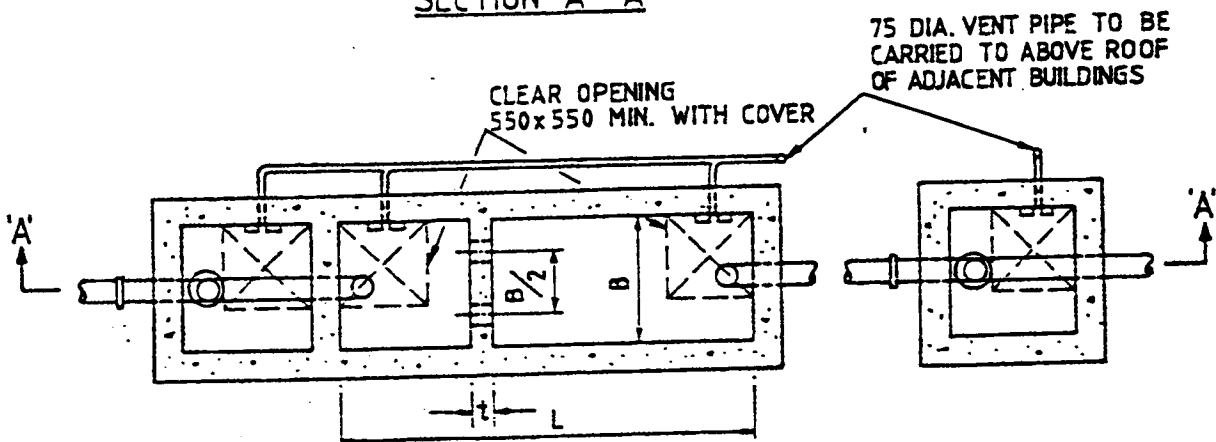


SECTION A-A



PLAN

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. SIZE
 - a. $48 > L > 38$
 - b. $1800 \text{ mm} > D > 1200 \text{ mm}$
 - c. RATIO OF VOLUMES OF FIRST AND SECOND CHAMBERS = 2 : 1
3. CAPACITY (SUBJECT TO NOTE 2)
 - a. CAPACITY $C = (L - t) \times B \times D$
 - b. NOT LESS THAN 2.3 m^3 BUT NOT MORE THAN 41 m^3
 - c. NOT LESS THAN 0.04 m^3 WHERE N IS THE NUMBER OF PERSONS SERVED AND Q IS THE ESTIMATED ULTIMATE PER CAPITA DAILY WATER CONSUMPTION
 - d. SURFACE WATER MUST NOT BE CONNECTED TO THE TANK
 - e. TANK TO BE DESLUDGED EVERY 6 MONTHS
4. NO OVERFLOW OR BYPASS PIPE IS ALLOWED.
5. PLEASE REFER TO THE BOOKLET "GUIDANCE NOTES ON DISCHARGES FROM VILLAGE HOUSES" PUBLISHED BY EPD FOR FURTHER GUIDELINES ON OPERATION AND MAINTENANCE OF SEPTIC TANK SYSTEM.

SEPTIC TANK
(FOR INTERIM REFERENCE ONLY)

drawing no.
EP 50/D/1/5/01

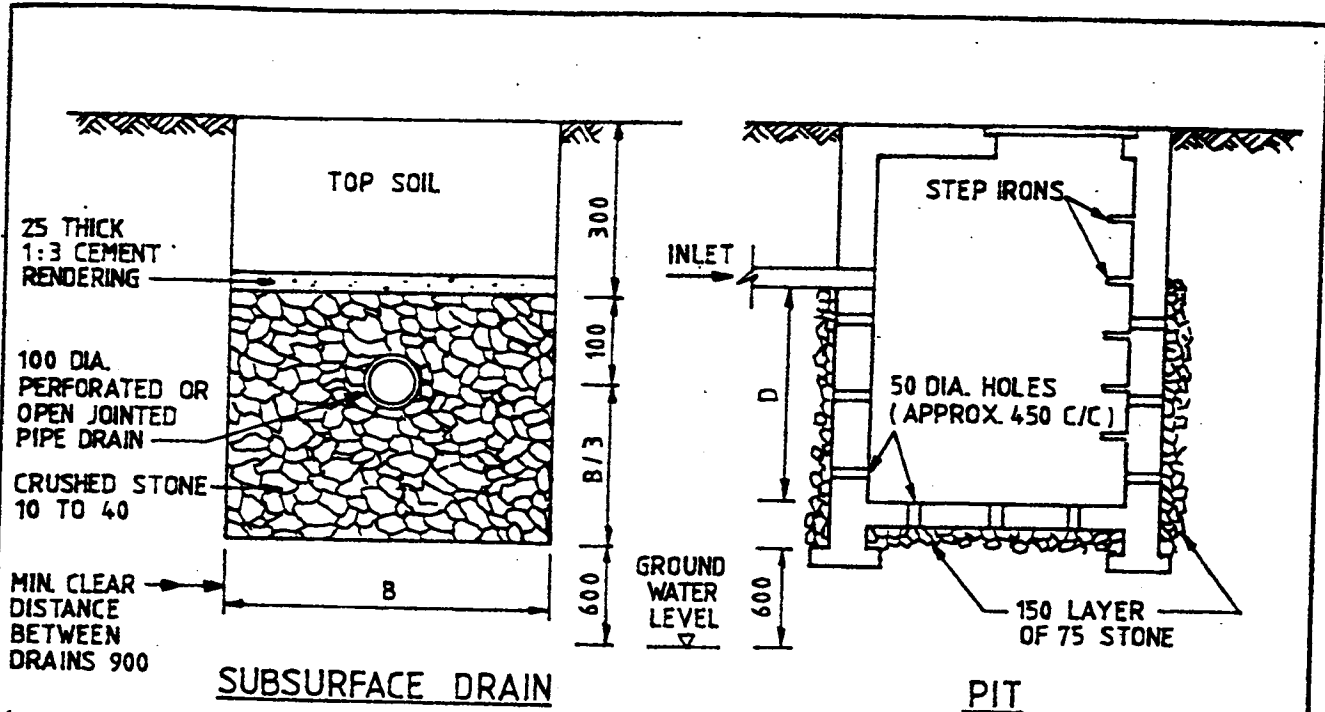
group
Liquid Waste Projects

date
5/93

scale
NTS

ENVIRONMENTAL
PROTECTION
DEPARTMENT
HONG KONG





NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED
2. PERCOLATION TEST FOR DETERMINING ABSORPTION CAPACITY OF SOIL
 - a. EXCAVATE A HOLE 300 mm SQUARE TO THE SAME DEPTH OF THE PIT OR TRENCH.
 - b. FILL THE HOLE WITH APPROXIMATELY 150 mm OF WATER AND ALLOW TO SEEP AWAY COMPLETELY.
 - c. REFILL THE HOLE WITH WATER TO A DEPTH OF 150 mm AND OBSERVE THE TIME, IN MINUTES, FOR WATER TO SEEP COMPLETELY AWAY.
 - d. DIVIDE THE TIME BY 6 TO GIVE TIME TAKEN TO FALL 25 mm FOR USE IN TABLE BELOW.
3. ALLOWABLE LOADING OF SOAKAWAY SYSTEMS

TIME IN MINUTES FOR WATER TO FALL 25 mm IN TEST PIT	ALLOWABLE LOADING IN LITRES PER m ² PER DAY	
	DRAIN TRENCH BOTTOM AREA	PIT PERCOLATION AREA
1 OR LESS	163	216
2	130	175
5	98	130
10	69	94
30	33	45

THE TOTAL ALLOWABLE LOADING PER DAY SHOULD EQUATE WITH THE DAILY INCOMING FLOW

4. MINIMUM CLEARANCE REQUIREMENTS FOR SOAKAWAY SYSTEMS

	DISTANCE FROM SOAKAWAY SYSTEMS (m)	
BUILDING	3	
RETAINING WALLS	8	
WELLS	50	
STREAM WHERE THE BED IS LOWER THAN INVERT OF SOAKAWAY SYSTEM	15 (30)*	* THESE DISTANCES SHOULD BE INCREASED TO DISTANCES SHOWN IN BRACKETS IF THE WATER FROM THE STREAM OR POOL IS USED OR LIKELY TO BE USED FOR DRINKING OR DOMESTIC PURPOSES.
POOLS	7.5 (30)*	
CUTS OR EMBANKMENTS	30	
PATHS	1.5	
BEACHES	100	(FROM BOUNDARIES OF GAZETTED BEACHES OR BATHING BEACH SUBZONES OF WATER CONTROL ZONES)
	30	(FROM H.W.M. AND FROM NEAREST WATERCOURSES FOR OTHER CASES)
GROUND WATER TABLE	0.6	(BELOW INVERT)

**SOIL SOAKAWAY SYSTEM
(FOR INTERIM REFERENCE ONLY)**

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date 5/93	scale NTS	ENVIRONMENTAL PROTECTION DEPARTMENT HONG KONG

