

SEEPAGE ESTIMATION:

- 1. BASIC PARAMETER
 - 1.1 DISTANCE OF FLOW: 145m approx.
 - 1.2 COEFFICIENT OF PERMEABILITY K:
 - 10 m/sec for compacted sand
 - 1.3 HYDRAÚLIC HEAD AVÁILABLE : 3m approx.
 - 1.4 HYDRAULIC GRADIENT i : 3m/145m = 0.02
- DARCY'S LAW
 - V = Ki (WHERE V = VELOCITY OF SEEPAGE FLOW IN m/sec)
 - $= 10 \times 0.02 \text{ m/sec}$
 - $= 2 \times 10 \text{ m/sec}$

- FOR FLOW PATH OF 145m
 - TIME OF FLOW, t = 145/2x10 sec
 - = 7.25x10 sec
 - = 23 year

Figure 6-7-3 PERMEATED FLOW AND FLOW ESTIMATION





The joint venture of CINOTECH & Cinotech Consultants Ltd. and Maurice Lee & Associates Ltd. .





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100 0 100 200 300 400m	SCALE:	1:5000	@ A3	SIZE	
	100 0	100	200	300	400m

PROJECT: CONSULTANCY SERVICES TO CARRY OUT ENVIRONMENT IMPACT ASSESSMENT AND TRAFFIC IMPACT ASSESSMENT STUDIES (THE MULTI-PURPOSE SPORTS COMPLEX AT KAI TAK AREA)

DRAWING NO: HA921/Figure 6-7-3