

TRIGONOMETRICAL STATION SUMMARY

STATION NO. : 412 (FORMER NO. : _____)

CLASS : _____

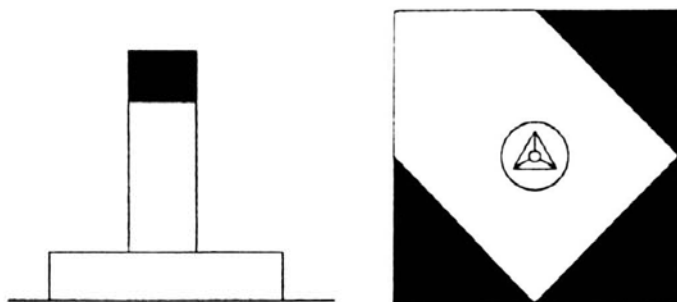
TRIG. NAME : NEEDLE HILL

LOCALITY : SHING MUN RESERVOIR

HK 80 DATUM	HK 1980 GRID COORDINATES :	N = <u>827 513.781</u> m , E = <u>834 594.953</u> m , Ht = <u>533.4</u> m (1)
	LEVEL ACCURACY :	
	SCALE FACTOR :	+ <u>0.1</u> ppm to measured distance to give Grid Distance
	GRID CONVERGENCE :	- <u>0' 27.9"</u> to Grid Bearings to give Azimuth
WGS 84 DATUM	GEOGRAPHICAL COORDINATES :	Lat <u>22 ° 23' 12.68061"</u> N, Long <u>114 ° 9' 38.26023"</u> E, Ht = <u>530.508</u> m (2)
	GPS ACCURACY :	
	UTM GRID COORDINATES :	<u>2 478 408</u> mN <u>207 634</u> mE
	UTM GRID REFERENCE :	<u>50Q KK 076 784</u>

STATION DIAGRAM

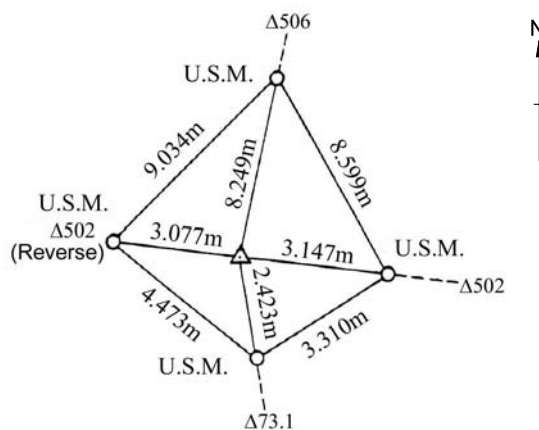
Date of Construction : 09/08/2002 Type of Mark : Beacon



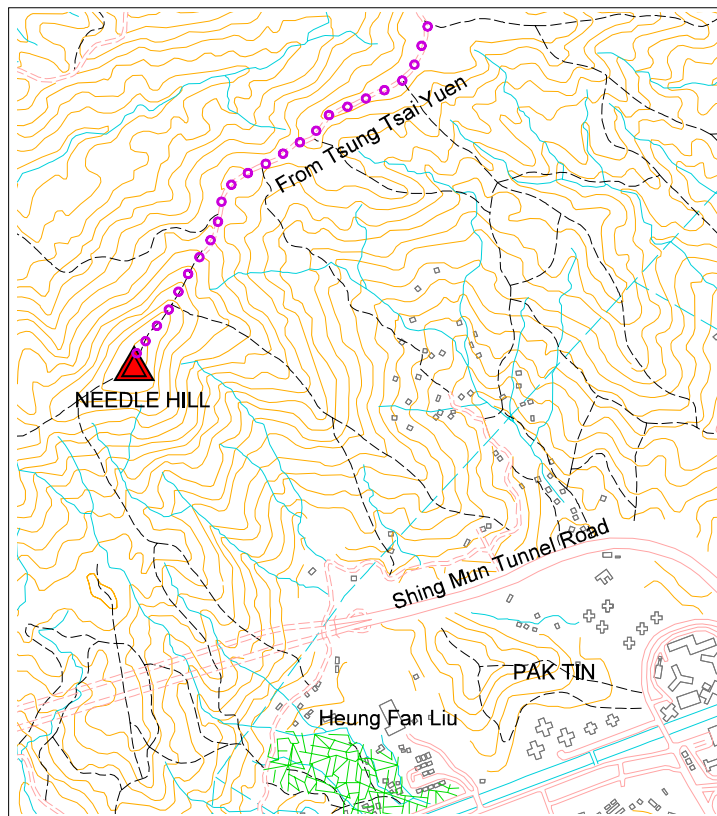
Side view

Plan view

REFERENCE MARKS DIAGRAM



LOCATION MAP



Scale : 1:20000 Legend : = Station = Access Route

GRID BEARINGS TO ADJACENT TRIGS.

506	11° 08' 46"
505	52° 26' 47"
504	75° 59' 31"
502	96° 36' 33"

LAST MAINTENANCE RECORD :

Last visit on : 15/10/2002

REMARKS :

- 1) Witness marks were installed in 11/90.
- 2) Ring-headed screws were installed in 8/02.

Prepared by : **C.L. PONG**

Checked by : **K.W. TSUE**

Approved by : **Y.K. WONG, LS/G(NT)**

Date : 25/06/2003

Geodetic Survey Section
SMO, Lands Department
Copyright reserved