

TRIGONOMETRICAL STATION SUMMARY

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

SURVEY SHEET NO. : **7-SW-14A**

TRIG. NAME : **NEEDLE HILL**

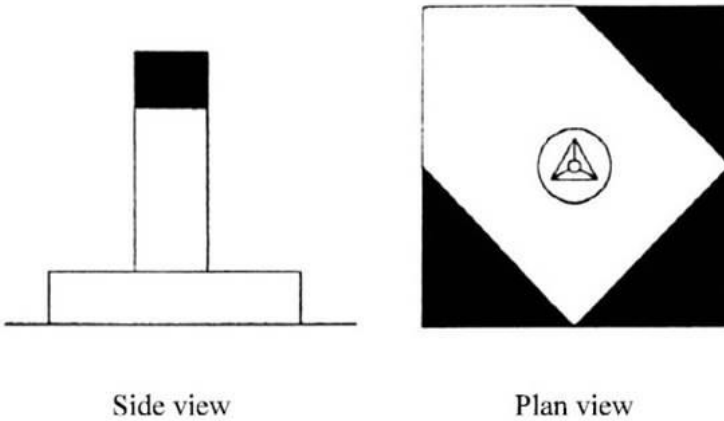
LOCALITY : **SHING MUN RESERVOIR**

HK 80 DATUM	<p>HK 1980 GRID COORDINATES : N = 827 513.781 m, E = 834 594.953 m, Class : H2</p> <p>Ht = 533.37 m above HKPD and measured to the top of mark, Class : V4</p> <p>SCALE FACTOR : + 0.1 ppm to measured distance to give Grid Distance</p> <p>GRID CONVERGENCE : - 00' 27.9" to Grid Bearings to give Azimuth</p>
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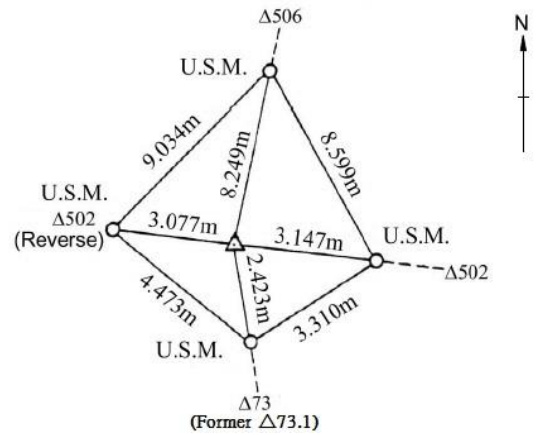
WGS 84 DATUM	<p>GEOGRAPHICAL COORDINATES : Lat = 22° 23' 12.68061" N, Long = 114° 9' 38.26023" E, Class : GH3</p> <p>Ht = 530.508 m above Ellipsoid and measured to the top of mark, Class : GV3</p> <p>Reference Frame = ITRF96</p> <p>UTM GRID COORDINATES : 2 478 408 mN, 207 633 mE</p> <p>UTM GRID REFERENCE : 50Q KK 076 784</p>
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STATION DIAGRAM

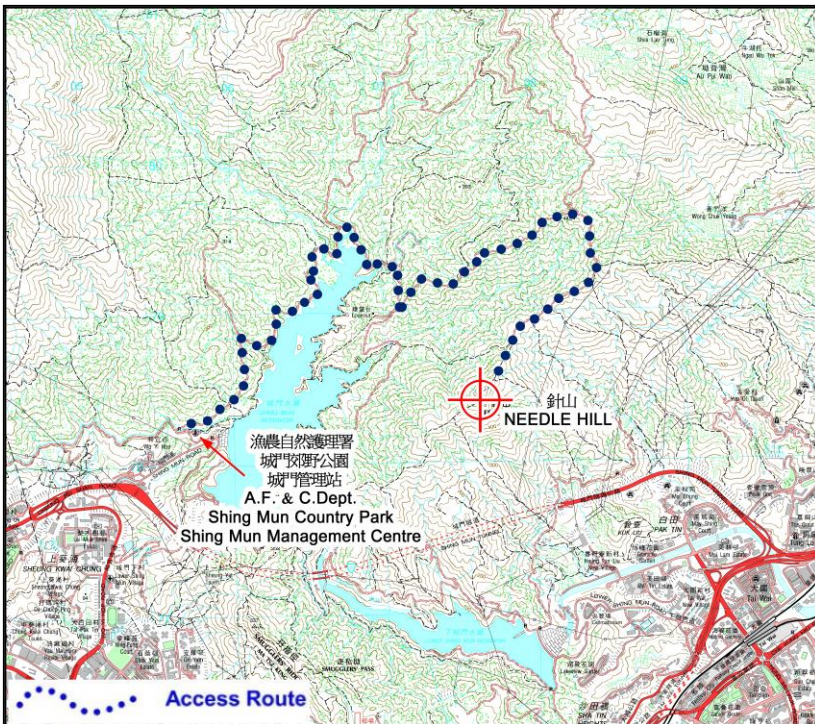
Date of Construction : 09/08/2002 Type of Mark : Beacon



REFERENCE MARKS DIAGRAM



LOCATION MAP (Scale 1:50000)



GRID BEARINGS TO ADJACENT TRIGS.

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

REMARKS:

Date of Construction : Aug 2002

Type of Mark :
Type A Beacon

Walk-in Shing Mun Management Centre for opening the gate of the access road. Drive along the road, stop at the foot of Needle Hill as shown on the map. It takes about 30 minutes hiking to reach the hill top.