

# SATELLITE POSITIONING REFERENCE STATION SUMMARY

STATION NO. : **COAL** (FORMER NO. : \_\_\_\_\_)

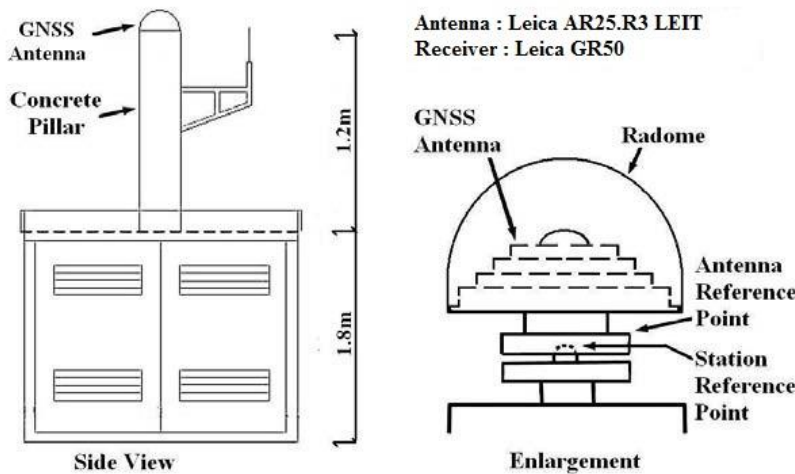
SURVEY SHEET NO. : \_\_\_\_\_

NAME : **COLOANE ALTO GNSS REFERENCE STATION**

LOCALITY : **COLOANE ALTO, MACAO**

<b>HK 80 DATUM</b>	<p><b>HK 1980 GRID COORDINATES</b> : N = <u>798 168.282</u> m, E = <u>772 763.829</u> m, Class : <u>N.A.</u>                  Transformed from WGS84 (ITRF96) Ht = _____ m above HKPD and measured to the top of mark, Class : _____</p> <p><b>SCALE FACTOR</b> : <u>+ 50.5</u> ppm to measured distance to give Grid Distance</p> <p><b>GRID CONVERGENCE</b> : <u>- 14' 00.0"</u> to Grid Bearings to give Azimuth</p>
<b>WGS 84 DATUM</b>	<p><b>GEOGRAPHICAL COORDINATES</b> : Lat = <u>22° 7' 14.47390"</u> N, Long = <u>113° 33' 40.97162"</u> E, Class : <u>GH2</u>                  Ht = <u>169.472</u> m above Ellipsoid and measured to the top of mark, Class : <u>GV2</u></p> <p>Reference Frame = <u>ITRF96</u></p> <p><b>UTM GRID COORDINATES</b> : <u>2 448 410</u> mN, <u>764 227</u> mE</p> <p><b>UTM GRID REFERENCE</b> : <u>49Q GE 642 484</u></p>

### STATION PHOTO



### REFERENCE MARKS DIAGRAM



### LOCATION MAP (NOT TO SCALE)



### REMARKS:

Date of Construction : 2006

Type of Mark : Concrete Pillar

- 1) The Station Reference Point (horizontal & vertical) is at the top of the nipple of the lower antenna mount.
- 2) The height from the Station Reference Point to the Antenna Reference Point (bottom of antenna) is 0.008m.
- 3) The Station is at top of the mountain "Alto de Coloane" (疊石塘山).
- 4) The Station is managed by Macao Cartography and Cadastre Bureau (DSCC).