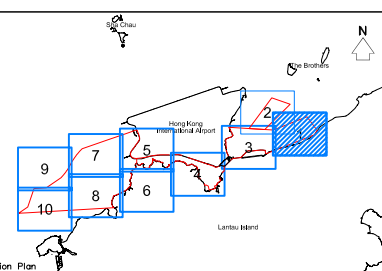




- Legend :
- Area with granular seabed (HR - High Reflective)
  - Area with granular/cohesive seabed (MR - Medium Reflective)
  - Area with cohesive seabed (LR - Low Reflective)
  - Dumped material
  - Debris
  - Rubble mound seawall
  - Seabed with boulders, gravels and pebbles
  - Trawl scars
  - Survey boundary
  - Chart overlap
  - Sonar Contact (LxWxH) (nmh = non-measurable height)



Project : WORKS ORDER NO. GE/2003/18,24  
 AGREEMENT NO. CE 26/2003 (HY)  
 HONG KONG SECTION OF HONG KONG - ZHUHAI - MACAO BRIDGE  
 AND CONNECTION WITH NORTH LANTAU HIGHWAY - INVESTIGATION  
 MARINE GEOPHYSICAL SURVEYS

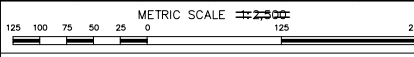
AREA : NORTH OF TUNG CHUNG      FIGURE NUMBER : 11.1

### Drawing Title :

## SEABED FEATURES

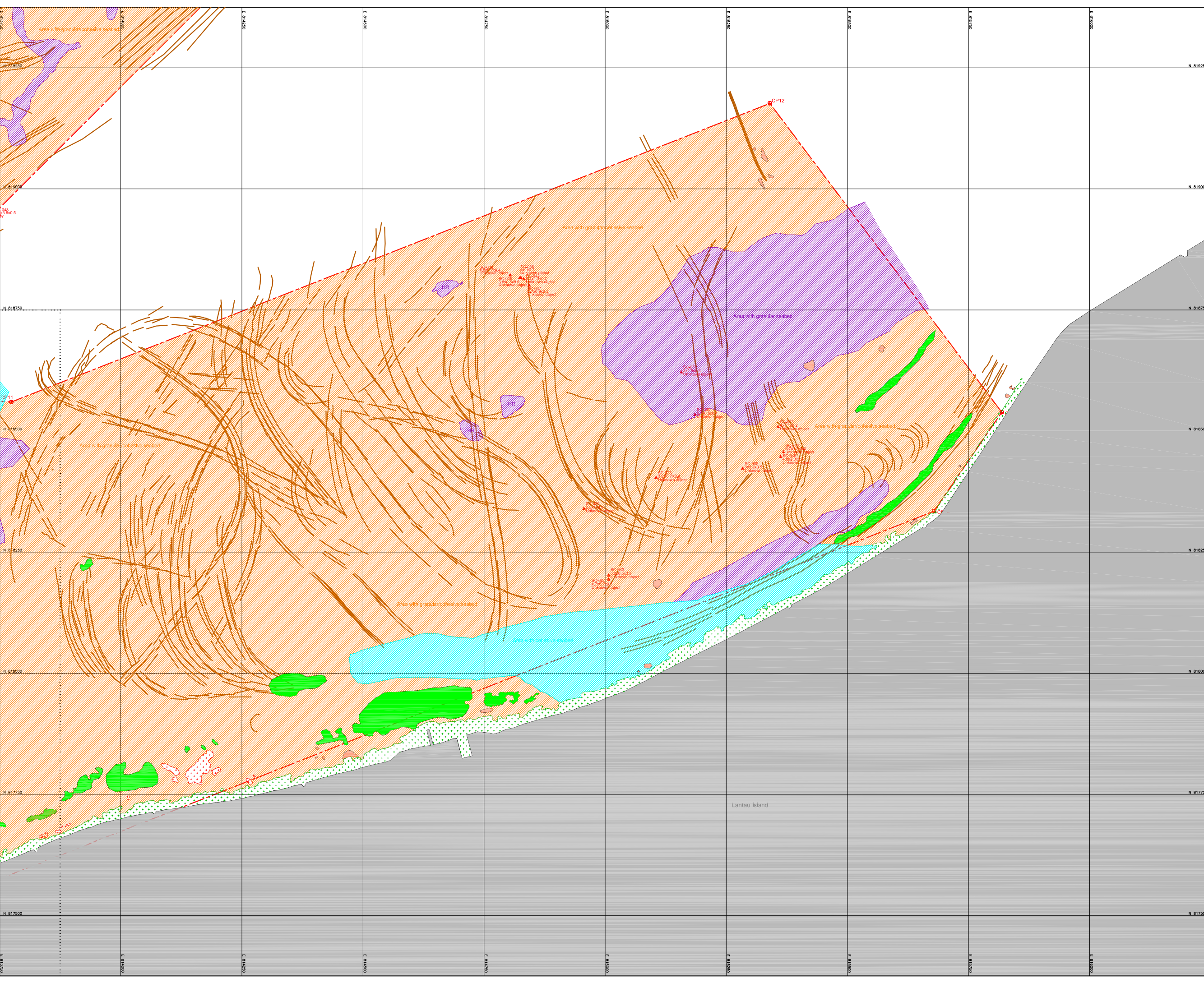
- Notes :
1. Survey Date : 11/05/2004 - 14/06/2004
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principal Datum
  4. Survey Vessel : Wing Hung 8  
Yau Sampan
  5. Equipment : C-Nav GeGPS System  
Klein System 2000 Tow Fish  
C-view SCMP
  6. Coastline taken from 1:1000 Survey Sheets, SMO.LD.

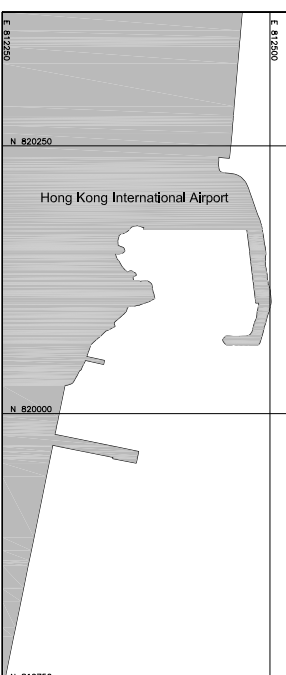
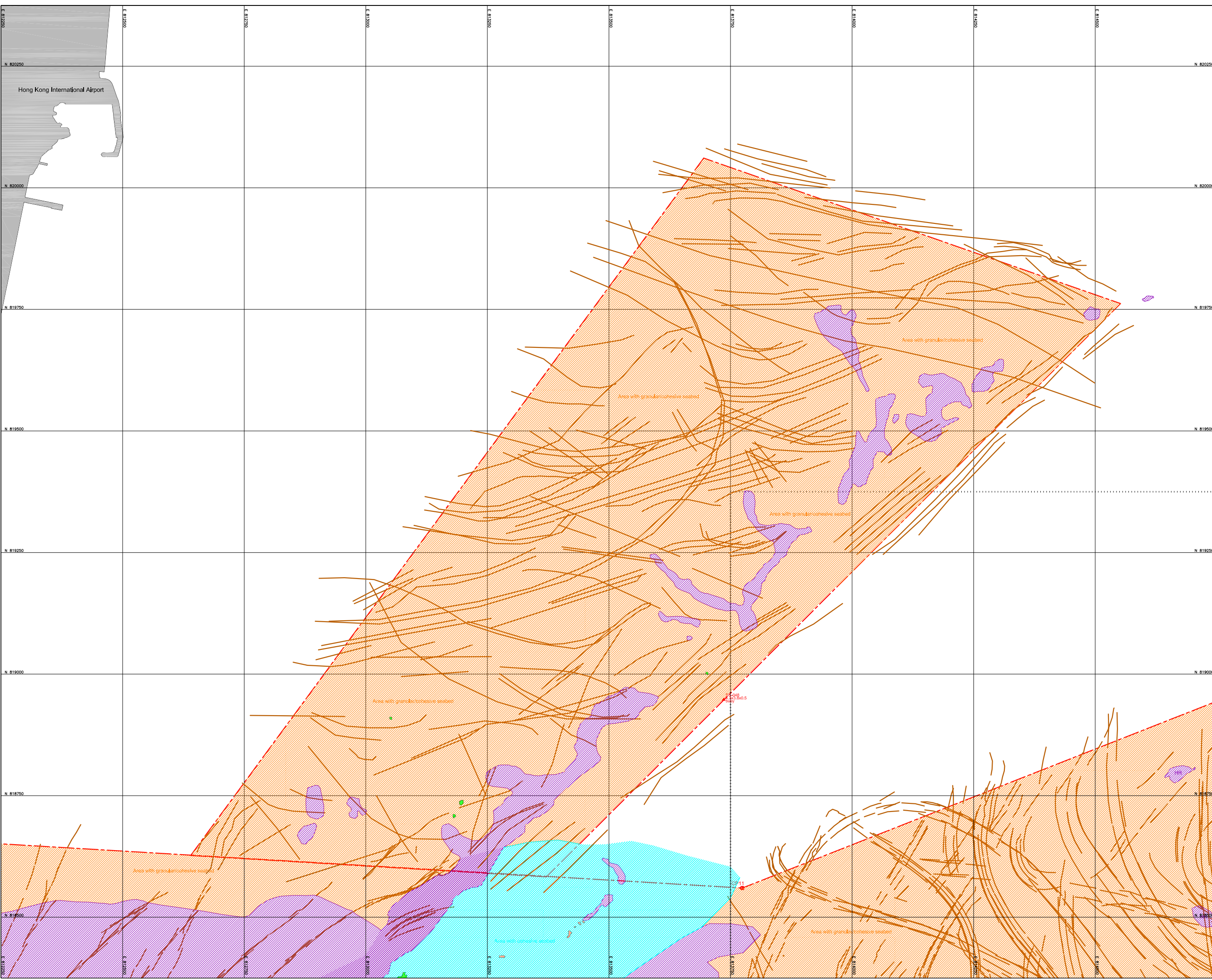
Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	21/07/2004	Clarence Siu	Matthew Lai	WVRT	Preliminary
1	18/09/2004	Clarence Siu	Matthew Lai	WVRT	Final



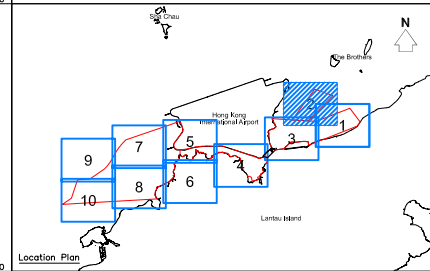
Client : Civil Engineering And Development Department

Surveyor : EGS (ASIA) LIMITED  
 140-142, Queen's Road East, Hong Kong  
 Tel: 2722 2222 Fax: 2722 2222  
 Email: info@egs.com.hk  
 Job NO. : HK186804





- Legend :
- Area with granular seabed (HR - High Reflective)
  - Area with granular/cohesive seabed (MR - Medium Reflective)
  - Area with cohesive seabed (LR - Low Reflective)
  - Dumped material
  - Debris
  - Rubble mound seawall
  - Seabed with boulders, gravels and pebbles
  - Trawl scars
  - Survey boundary
  - Chart overlap
  - Sonar Contact (LxHxH) (nmh = non-measurable height)



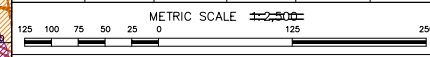
Project : WORKS ORDER NO. GE/2003/18.24  
 AGREEMENT NO. CE 26/2003 (HY)  
 HONG KONG SECTION OF HONG KONG - ZHUHAI - MACAO BRIDGE  
 AND CONNECTION WITH NORTH LANTAU HIGHWAY - INVESTIGATION  
 MARINE GEOPHYSICAL SURVEYS

AREA : NORTH OF TUNG CHUNG      FIGURE NUMBER : 11.2

Drawing Title :  
**SEABED FEATURES**

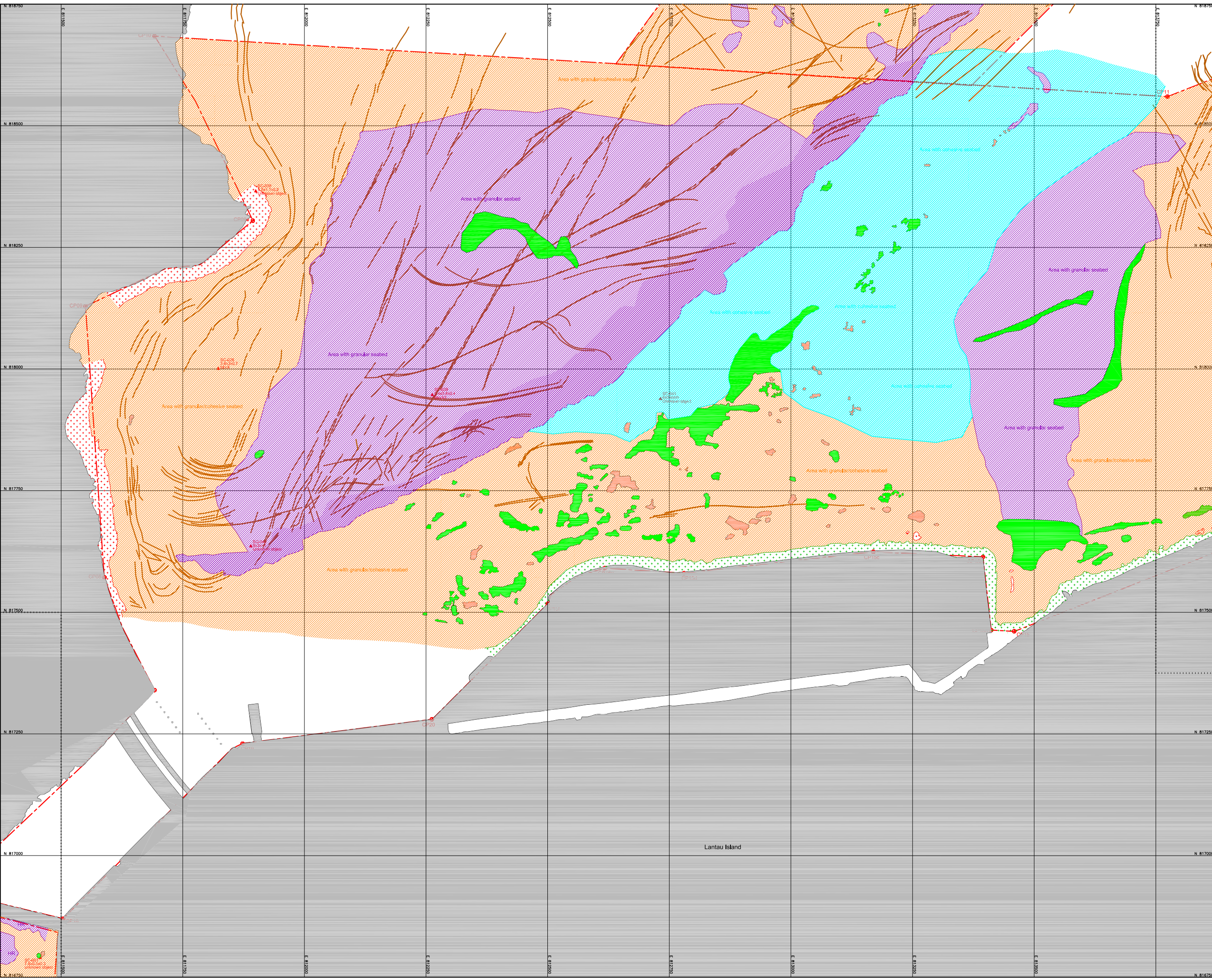
- Notes :
1. Survey Date : 11/05/2004 - 14/06/2004
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principal Datum
  4. Survey Vessel : Wing Hung B  
Yau Sampan
  5. Equipment : C-Nav GOGPS System  
Klein System 2000 Tow Fish  
C-view SMP
  6. Coastline taken from 1:1000 Survey Sheets, SMO/LD.

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	21/07/2004	Clarence Siu	Matthew Lai	WNRT	Preliminary
1	18/09/2004	Clarence Siu	Matthew Lai	WNRT	Final

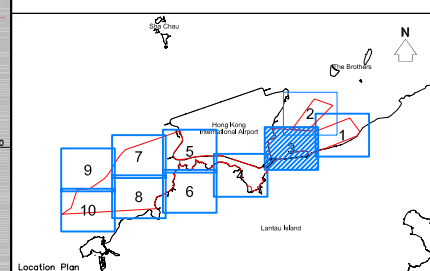


Client : Civil Engineering And Development Department

Surveyor : EGS (ASIAL) LIMITED  
 112 HING YIP STREET, HONG KONG  
 TEL: 2778 8888 FAX: 2778 8889  
 WWW.EGSLTD.COM HONG KONG  
 REG. NO. 262263  
 REG. NO. 262263



- Legend :
- Area with granular seabed (HR - High Reflective)
  - Area with granular/cohesive seabed (MR - Medium Reflective)
  - Area with cohesive seabed (LR - Low Reflective)
  - Dumped material
  - Debris
  - Rubble mound seabed
  - Seabed with boulders, gravel and pebbles
  - Trawl scars
  - Survey boundary
  - Chart overlap
  - Sonar Contact (LxH) (nmh = non-measurable height)



Project : WORKS ORDER NO. GE/2003/18.24  
 AGREEMENT NO. CE 26/2003 (HY)  
 HONG KONG SECTION OF HONG KONG - ZHUHAI - MACAO BRIDGE  
 AND CONNECTION WITH NORTH LANTAU HIGHWAY - INVESTIGATION  
 MARINE GEOPHYSICAL SURVEYS

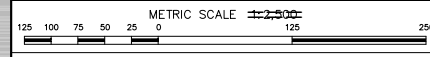
AREA : NORTH OF TUNG CHUNG      FIGURE NUMBER : 11.3

### Drawing Title :

## SEABED FEATURES

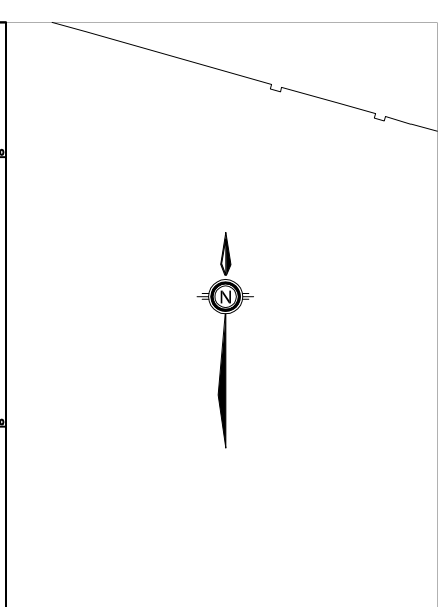
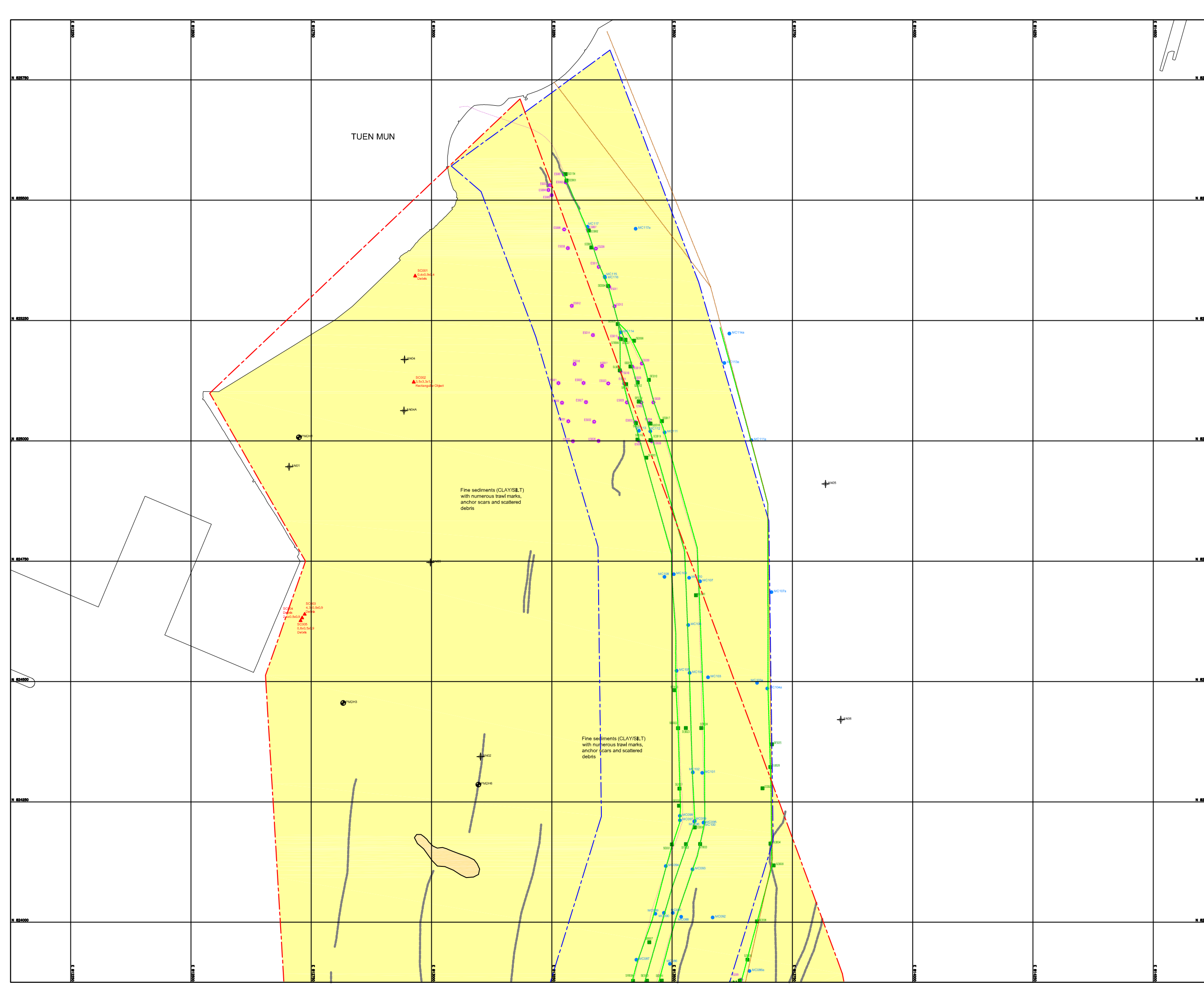
- Notes :
1. Survey Date : 11/05/2004 - 14/06/2004
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principal Datum
  4. Survey Vessel : Wing Hung 8  
Yau Sampan
  5. Equipment : C-Nav GGPS System  
Klein System 2000 Tow Fish  
C-view SDMP
  6. Coastline taken from 1:1000 Survey Sheets, SMO.LD.

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	21/07/2004	Clarence Slu	Matthew Lai	WNRT	Preliminary
1	18/09/2004	Clarence Slu	Matthew Lai	WNRT	Final

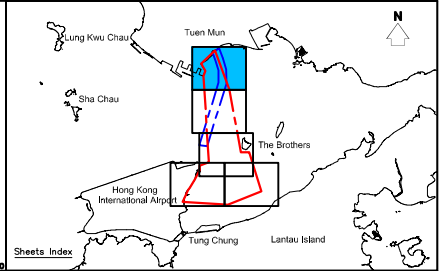


Client : Civil Engineering and Development Department

Surveyor : EGG  
 JOB NO. : HK186804



- Legend :
- Vibrocore location with reference number
  - Borehole location with reference number
  - Fine sediments (predominantly CLAY/SILT)
  - Coarse sediments (predominantly SAND and GRAVEL)
  - Rocky area
  - Sonar contact
  - Magnetic contact
  - Seismic contact
  - Echo sounding contact
  - Buoy
  - Scar/Trawl marks
  - Megaripples
  - Main survey boundary
  - Magnetic survey boundary
  - Existing CLP cables
  - Existing Hutchison cable
  - Chart overlap
  - Interpreted cable/pipeline alignments based on magnetic, seismic and echo sounding data



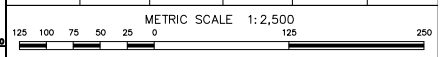
Project : CONTACT NUMBER GE/2007/04  
 GEOPHYSICAL SURVEY (TERM CONTRACT)  
 WORKS ORDER NUMBER GE/2007/04.20  
 AGREEMENT NO. CE 52/2007 (HY)  
 TUEN MUN - CHEK LAP KOK LINK - INVESTIGATION  
 PROPOSED MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 11.1

Drawing Title : **SEA BED FEATURES AND CABLE ALIGNMENTS**

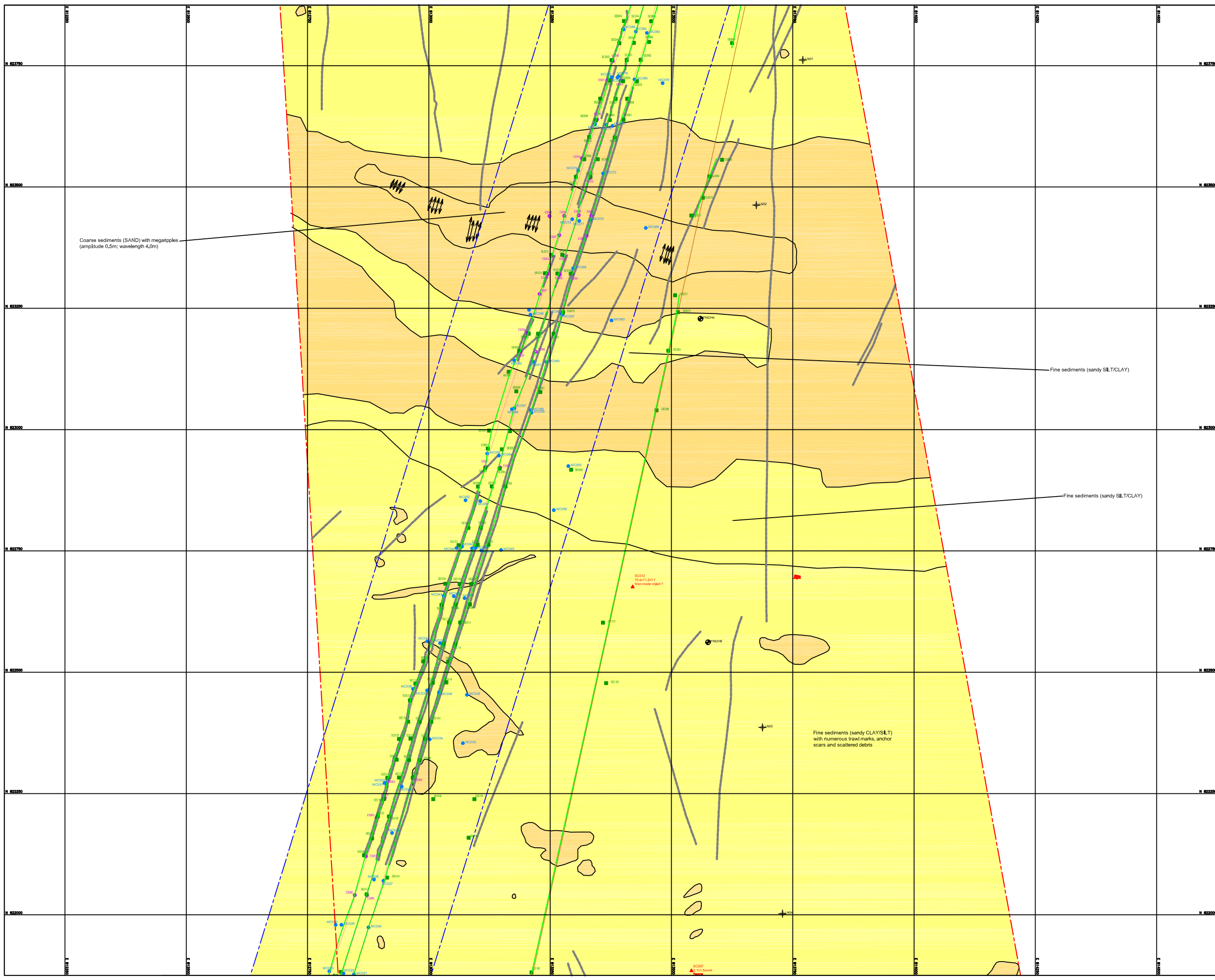
- Notes :
1. Survey Date : November - December 2008
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principle Datum
  4. Positioning : C-Nov GeGPS (Globally corrected GPS)
  5. Equipment : EGS Boomer System  
Seaspy Magnetometer  
Reson 8125 Multibeam System  
Knudsen 320M Dual Frequency Echo Sounder  
DF1000 Side Scan Sonar System With Digital Tow Fish
  6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department
  7. Please refer to Appendix E for details of magnetic contacts, seismic contacts and echo sounding contacts

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	08/01/2009	Clarence Siu	Wilson Wong	Margie Chen	Preliminary

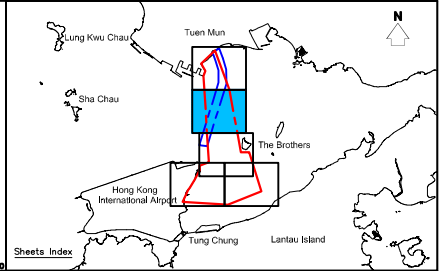


Client : Civil Engineering and Development Department

Surveyor : EGS (ASIA) LIMITED  
 1/F, 100, WING LOK STREET, HONG KONG  
 TEL: (852) 2500 8888  
 FAX: (852) 2500 8889  
 E-MAIL: info@egs.com.hk  
 JOB NO. : HK213608



- Legend :
- Vibrocore location with reference number
  - Borehole location with reference number
  - Fine sediments (predominantly CLAY/SILT)
  - Coarse sediments (predominantly SAND and GRAVEL)
  - Rocky area
  - Sonar contact
  - Magnetic contact
  - Seismic contact
  - Echo sounding contact
  - Buoy
  - Scar/Trawl marks
  - Megaripples
  - Main survey boundary
  - Magnetic survey boundary
  - Existing CLP cables
  - Existing Hutchison cable
  - Chart overlap
  - Interpreted cable/pipeline alignments based on magnetic, seismic and echo sounding data

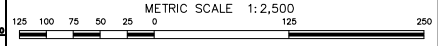


Project : CONTACT NUMBER GE/2007/04  
 GEOPHYSICAL SURVEY (TERM CONTRACT)  
 WORKS ORDER NUMBER GE/2007/04.20  
 AGREEMENT NO. CE 52/2007 (HY)  
 TUEN MUN - CHEK LAP KOK LINK - INVESTIGATION  
 PROPOSED MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 11.2  
 Drawing Title : **SEA BED FEATURES AND CABLE ALIGNMENTS**

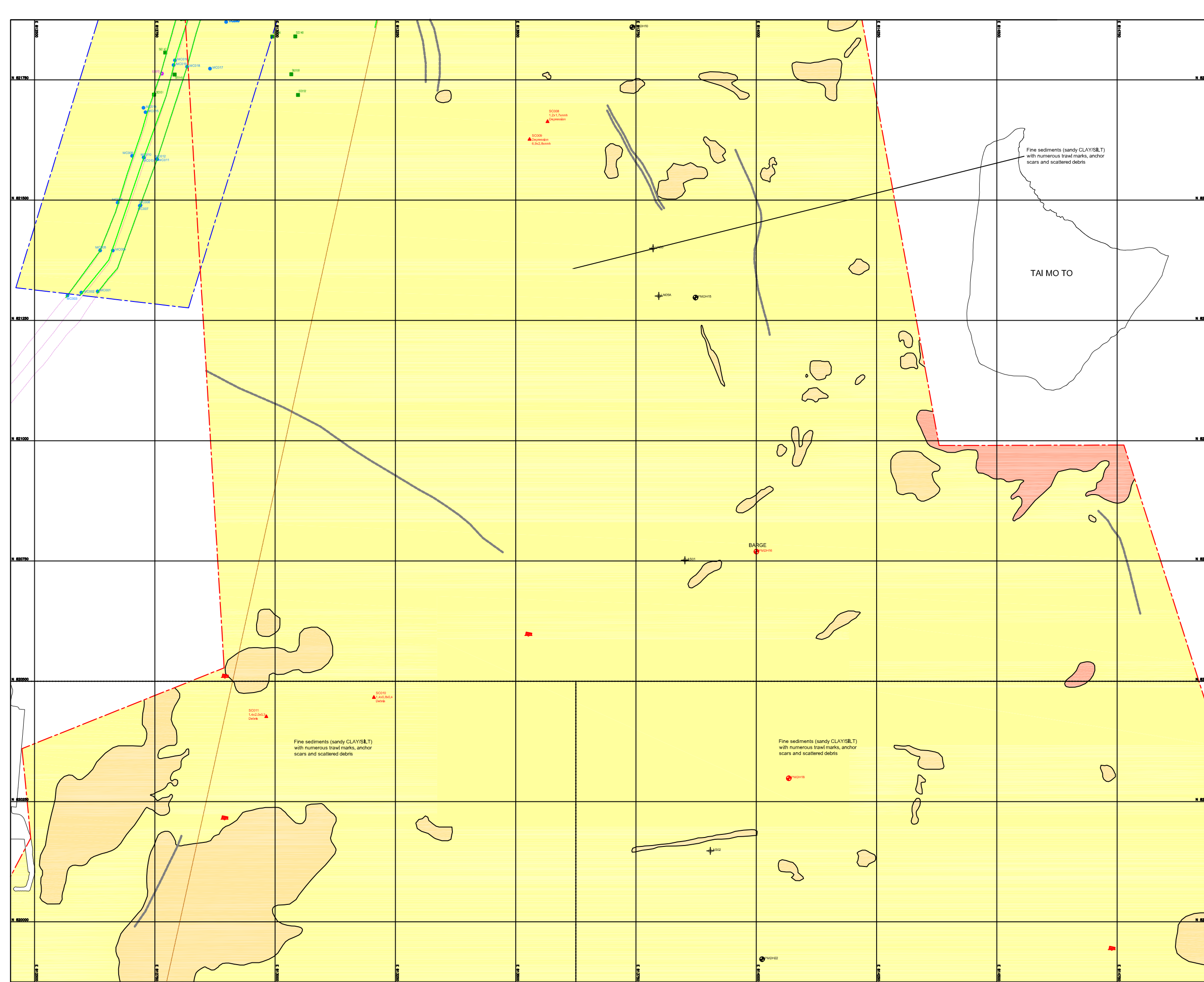
- Notes :
1. Survey Date : November - December 2008
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principle Datum
  4. Positioning : C-Nov GeGPS (Globally corrected GPS)
  5. Equipment : EGS Boomer System  
 Seaspay Magnetometer  
 Reson 8125 Multibeam System  
 Knudsen 320M Dual Frequency Echo Sounder  
 DF1000 Side Scan Sonar System With Digital Tow Fish
  6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department
  7. Please refer to Appendix E for details of magnetic contacts, seismic contacts and echo sounding contacts

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	08/01/2009	Clarence Siu	Wilson Wong	Margie Chen	Preliminary





















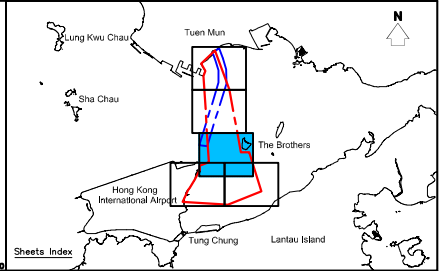
Client : Civil Engineering and Development Department

Surveyor : EGS (ASIA) LIMITED  
 11/F, 111, Queen's Road East, Hong Kong  
 Tel: (852) 2500 8888  
 Fax: (852) 2500 8889  
 Email: info@egs.com.hk  
 Job No. : HK213608



Legend :

-  Vibrocore location with reference number
-  Borehole location with reference number
-  Fine sediments (predominantly CLAY/SILT)
-  Coarse sediments (predominantly SAND and GRAVEL)
-  Rocky area
-  Sonar contact
-  Magnetic contact
-  Seismic contact
-  Echo sounding contact
-  Buoy
-  Scar/Trawl marks
-  Megaripples
-  Main survey boundary
-  Magnetic survey boundary
-  Existing CLP cables
-  Existing Hutchison cable
-  Chart overlap
-  Interpreted cable/pipeline alignments based on magnetic, seismic and echo sounding data



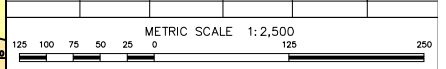
Project : CONTACT NUMBER GE/2007/04  
 GEOPHYSICAL SURVEY (TERM CONTRACT)  
 WORKS ORDER NUMBER GE/2007/04.20  
 AGREEMENT NO. CE 52/2007 (HY)  
 TUEN MUN - CHEK LAP KOK LINK - INVESTIGATION  
 PROPOSED MARINE GEOPHYSICAL SURVEYS


FIGURE NUMBER : 11.3

Drawing Title : **SEA BED FEATURES AND CABLE ALIGNMENTS**

- Notes :
1. Survey Date : November - December 2008
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principle Datum
  4. Positioning : C-Nov GeGPS (globally corrected GPS)
  5. Equipment : EGS Boomer System  
Seaspy Magnetometer  
Reson 8125 Multibeam System  
Knudsen 320M Dual Frequency Echo Sounder  
DF1000 Side Scan Sonar System With Digital Tow Fish
  6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department
  7. Please refer to Appendix E for details of magnetic contacts, seismic contacts and echo sounding contacts

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	08/01/2009	Clarence Siu	Wilson Wong	Margie Chen	Preliminary

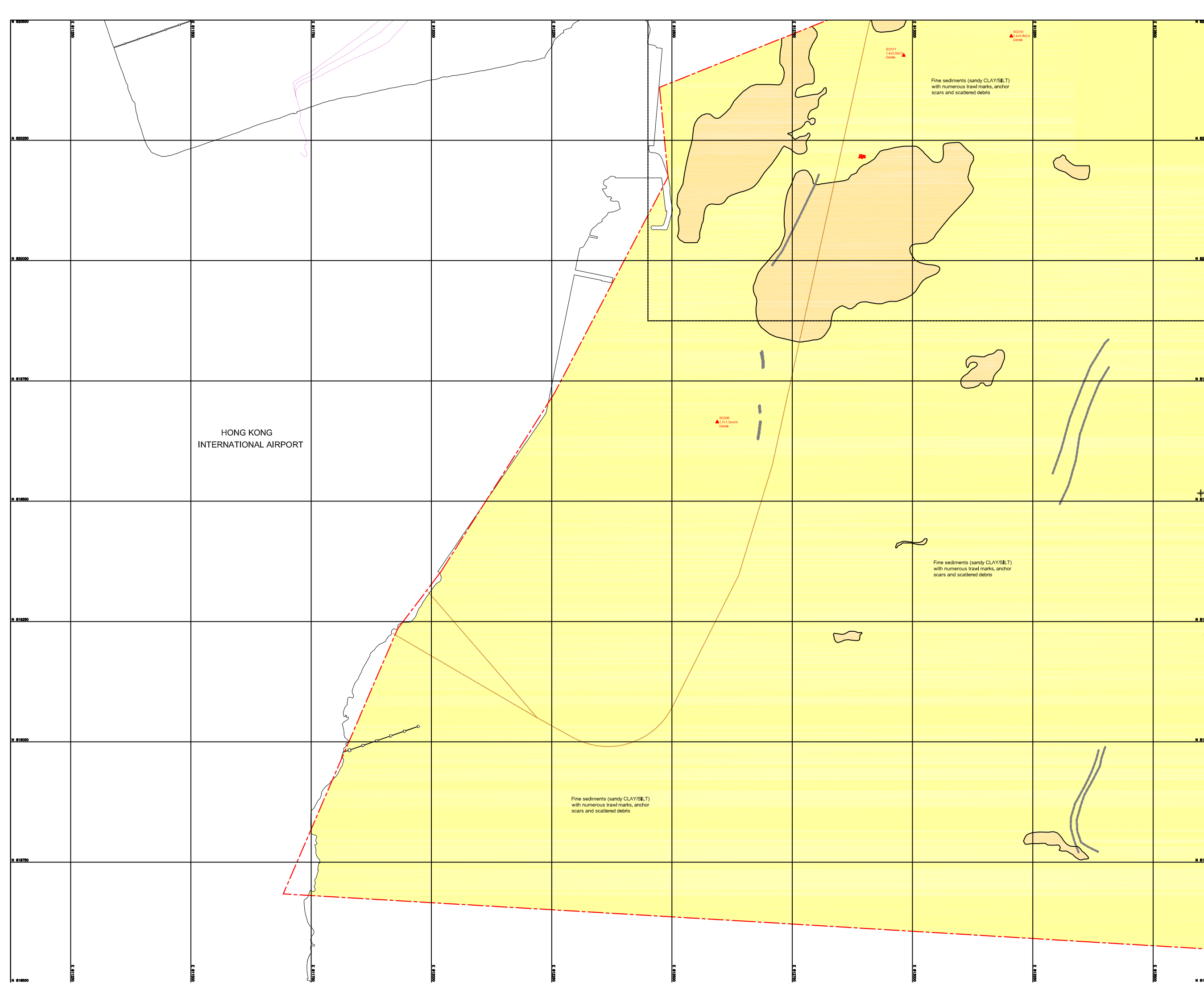


Client :  Civil Engineering and Development Department

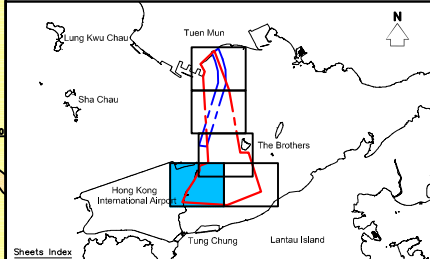
Surveyor :  EGS (ASIA) LIMITED  
 10/F, 100 HONG KONG AVENUE, HONG KONG  
 10/F, 100 HONG KONG AVENUE, HONG KONG  
 10/F, 100 HONG KONG AVENUE, HONG KONG  
 10/F, 100 HONG KONG AVENUE, HONG KONG  
 10/F, 100 HONG KONG AVENUE, HONG KONG

JOB NO. : HK213608





- Legend :
- Vibrocore location with reference number
  - Borehole location with reference number
  - Fine sediments (predominantly CLAY/SILT)
  - Coarse sediments (predominantly SAND and GRAVEL)
  - Rocky area
  - Sonar contact
  - Magnetic contact
  - Seismic contact
  - Echo sounding contact
  - Buoy
  - Scar/Trawl marks
  - Megaripples
  - Main survey boundary
  - Magnetic survey boundary
  - Existing CLP cables
  - Existing Hutchison cable
  - Chart overlap
  - Interpreted cable/pipe alignments based on magnetic, seismic and echo sounding data



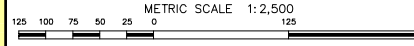
Project : CONTACT NUMBER GE/2007/04  
 GEOPHYSICAL SURVEY (TERM CONTRACT)  
 WORKS ORDER NUMBER GE/2007/04.20  
 AGREEMENT NO. CE 52/2007 (HY)  
 TUEN MUN - CHEK LAP KOK LINK - INVESTIGATION  
 PROPOSED MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 11.5

Drawing Title : **SEA BED FEATURES AND CABLE ALIGNMENTS**

- Notes :
1. Survey Date : November - December 2008
  2. Survey Grid : Hong Kong Metric Grid
  3. Survey Datum : Hong Kong Principle Datum
  4. Positioning : C-Nav GcGPS (probably corrected GPS)
  5. Equipment : EGS Boomer System  
Seaspy Magnetometer  
Reson 8125 Multibeam System  
Knudsen 320M Dual Frequency Echo Sounder  
DF1000 Side Scan Sonar System With Digital Tow Fish
  6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department
  7. Please refer to Appendix E for details of magnetic contacts, seismic contacts and echo sounding contacts

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	08/01/2009	Clarence Siu	Wilson Wong	Margie Chen	Preliminary



Client : Civil Engineering and Development Department

Surveyor : EGS (ASIA) LIMITED  
 11/F, 110, HONG KONG ROAD, HONG KONG  
 Tel: 2525 2222 Fax: 2525 2222  
 Client Reference No. 2007-04.20  
 Job No. : HK2136/08