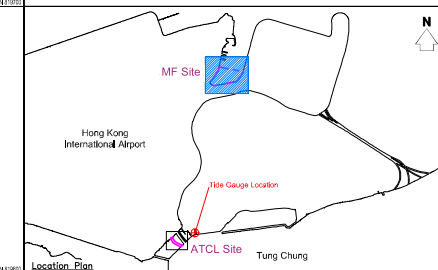




Legend :

- Multibeam echo sounding track with fix positions
- Survey boundary



Project :

**AAHK CONTRACT NO. C21W13 -
MARINE GEOPHYSICAL SURVEYS**

FIGURE NUMBER : 1,1

Drawing Title :

BATHYMETRY TRACK PLOT

Notes :

1. Survey Date : 07-08/04/2022
2. Survey Grid : Hong Kong 1980 Grid System
3. Vertical Datum : Hong Kong Principal Datum
4. Positioning : NovAtel PwrPak7D RTK-GNSS
5. Equipment : EGS Boomer System
Knudsen 320M Echo Sounder
Northi WBMS Multibeam Echo Sounder
Edgetech 4125i Side Scan Sonar System
Geometrics G-882 Marine Magnetometer
6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



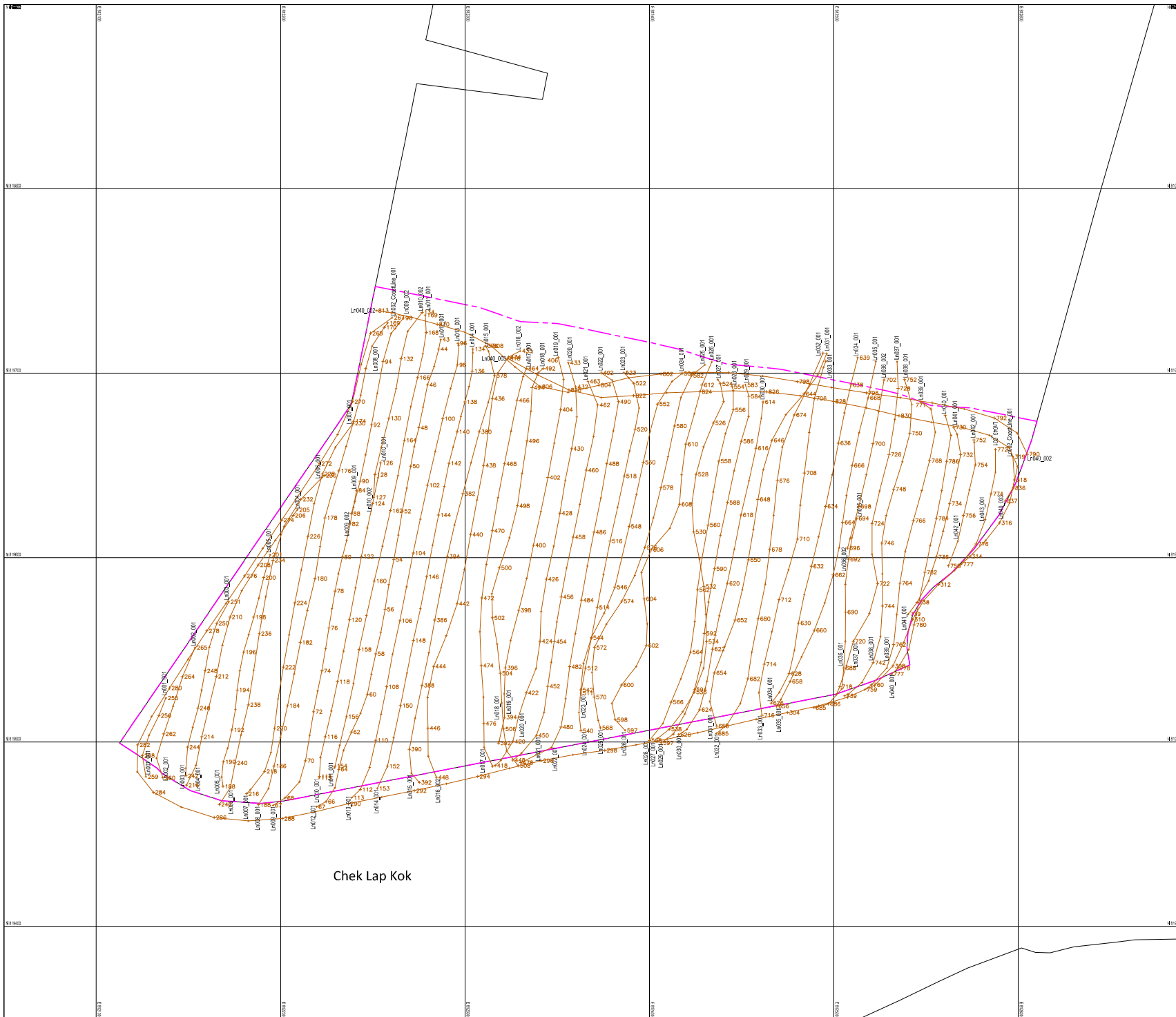
Client :

Geotechnics & Concrete Engineering (H.K.) Ltd.

Surveyor :



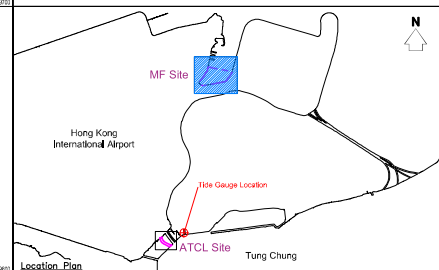
JOB NO. : HK262222



Legend :

Ln035_001 Side scan sonar track with fix positions and line number

Survey boundary



Project :

AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 1.2

Drawing Title :

SIDE SCAN SONAR TRACK PLOT

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
Knudsen S20M Echo Sounder
North: MBMS Multibeam Echo Sounder
Edgetech 4125i Side Scan Sonar System
Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final

METRIC SCALE 1:1,000

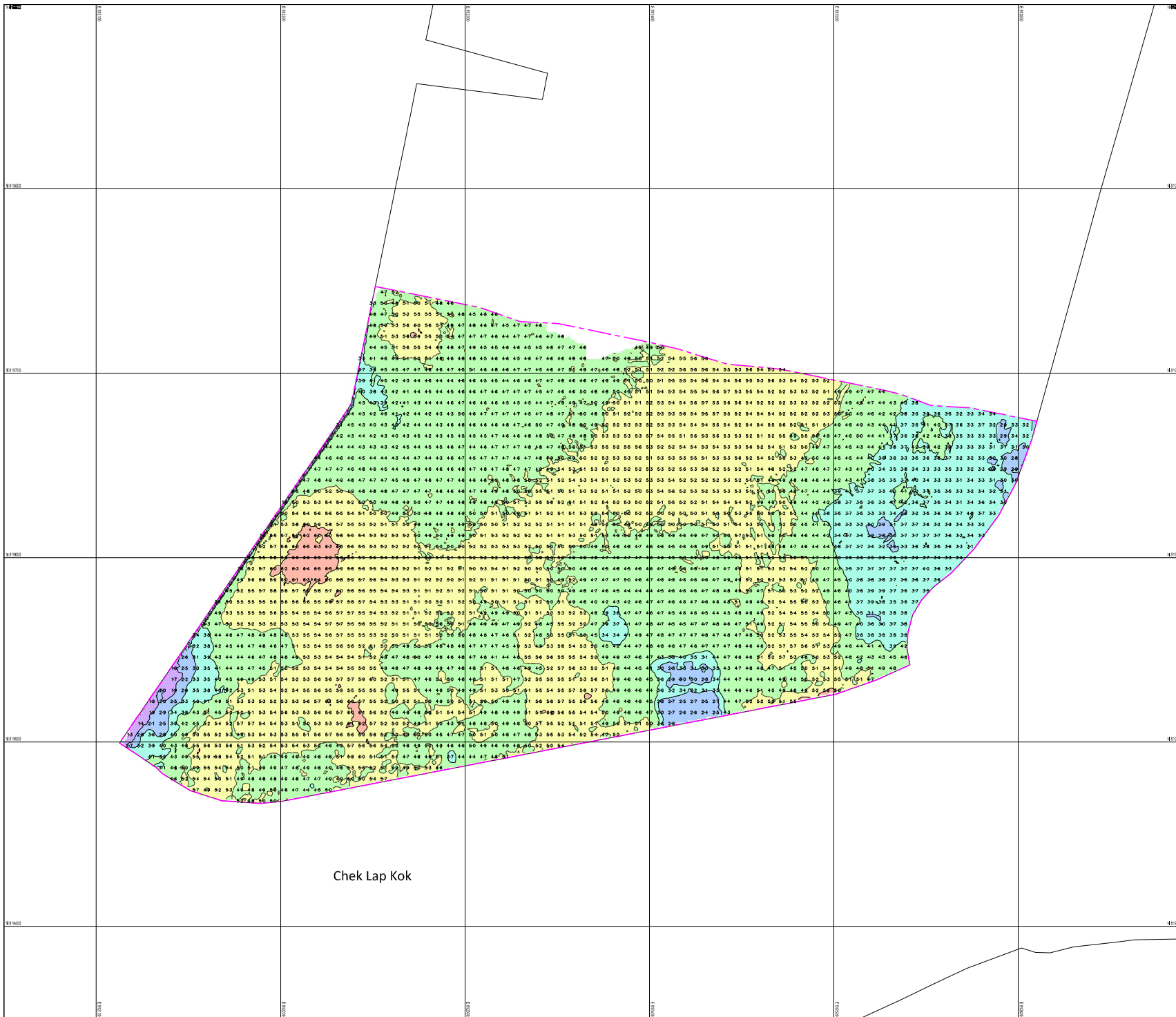
Client :

Geotechnics & Concrete Engineering (H.K.) Ltd.

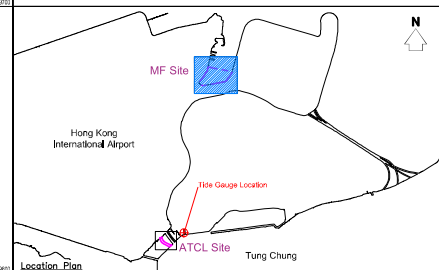
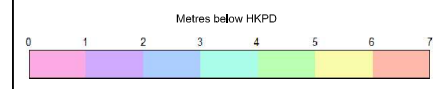
Surveyor :

EGS (ASIA) LIMITED
100 HEE ROAD, HEE INDUSTRIAL BUILDING,
HONG KONG
TEL: (852) 2788-8888
FAX: (852) 2788-8889
WWW.EGSONLINE.COM

JOB NO. : HK262222



Legend :
 24 Soundings in metres below HKPD
 Contour at 1m interval
 Survey boundary



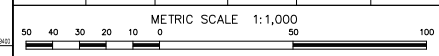
Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 1,3

Drawing Title :
COLOUR CONTOURED SWATH BATHYMETRY PLAN

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
 North MBMS Multibeam Echo Sounder
 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.

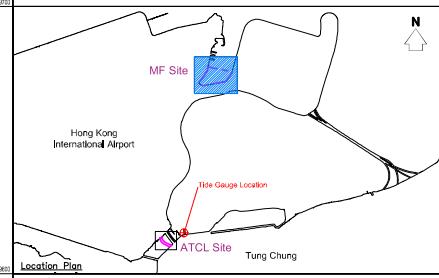
Surveyor :

EGS (ASIA) LIMITED
 100 HUI JIN ROAD, INDUSTRIAL BUILDING,
 NORTH POON TOI, HONG KONG
 TEL: (852) 27882888
 FAX: (852) 27882889
 WWW: www.egs.com.hk

JOB NO. : HK262222



- Legend :**
- SC01 100x100m 2.0m
▲ 100x100m 2.0m
Sonar contact with reference number and anomaly size (length x width x height in metres where measurable; nmh = no measurable height)
 - Seabed scars
 - Fine sediments (dominantly CLAY/SILT)
 - Coarser sediments (dominantly dense SAND/GRAVEL)
 - Rubble mound / BOULDER
 - Limit of side scan sonar coverage
 - Sediment or feature boundary
 - Survey boundary

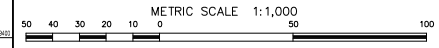


Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 1,4
Drawing Title :
SEABED FEATURES

- Notes :**
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
Knudsen S20M Echo Sounder
North HBM5 Multibeam Echo Sounder
Edgetech 4125i Side Scan Sonar System
Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

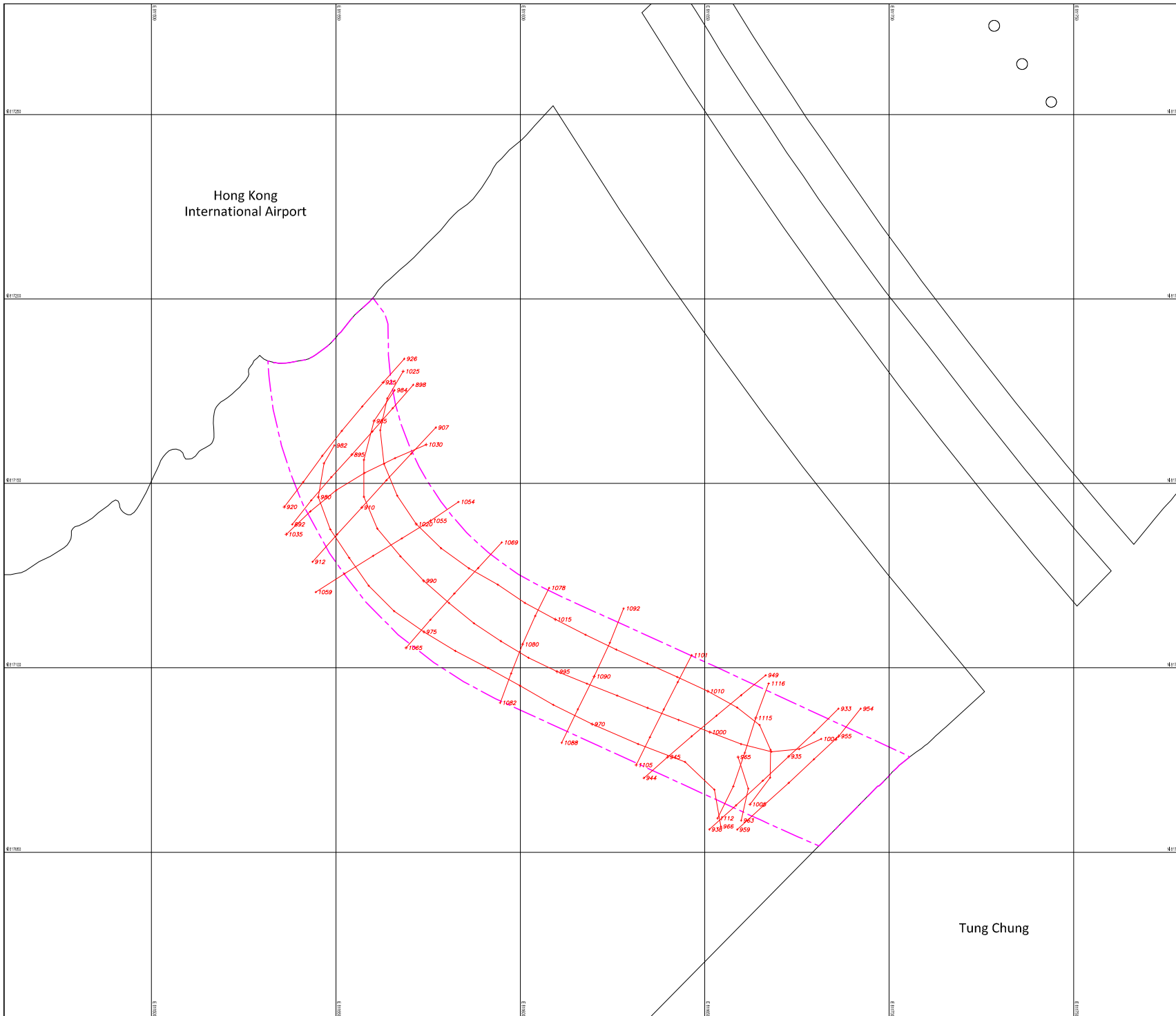
Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



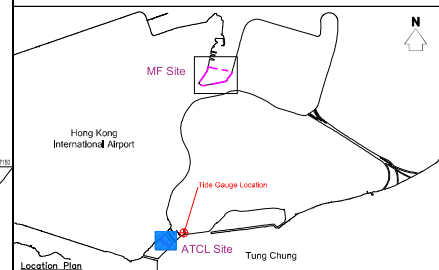
Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.

Surveyor :
EGS ASIA LIMITED
 110 HING YIP STREET, HONG KONG
 HONG KONG
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 Fax: (852) 2788-8889
 Web: www.egs.com.hk

JOB NO. : HK262222



- Legend :
- → Multibeam echo sounding track with fix positions
 - - - Survey boundary

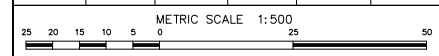


Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

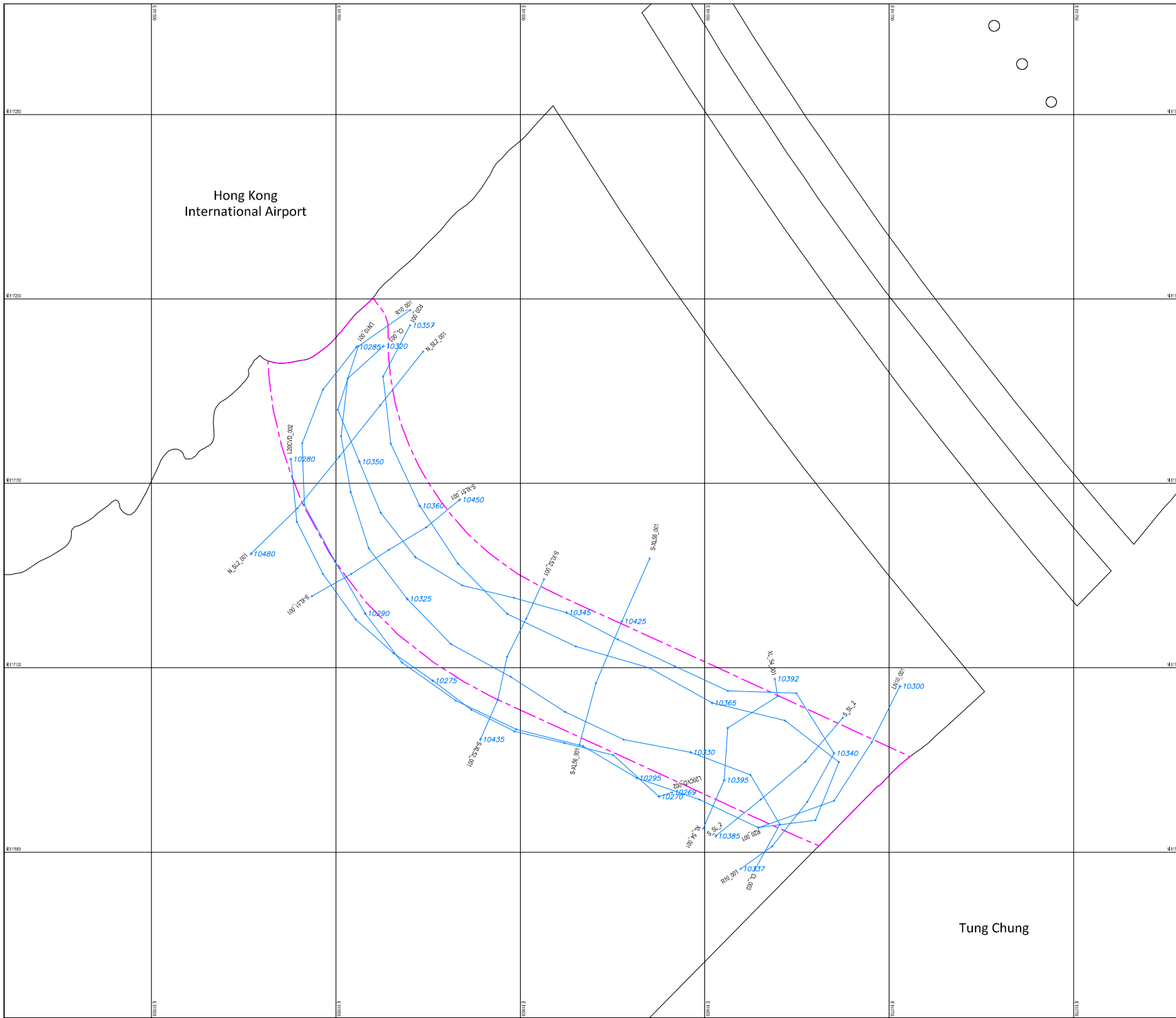
FIGURE NUMBER : 2,1
 Drawing Title :
BATHYMETRY TRACK PLOT

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
 North 7MBMS Multibeam Echo Sounder
 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.

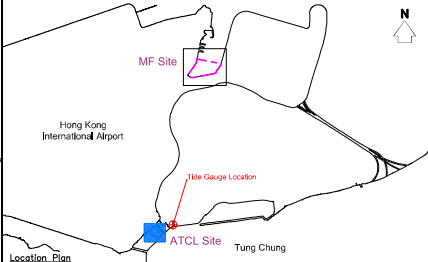


Hong Kong International Airport

Tung Chung



- Legend :**
- — 10425 8418_001 Hydrophone track with fix positions and line number
 - Survey boundary



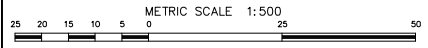
Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 2.2

Drawing Title :
SEISMIC TRACK PLOT

- Notes :**
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
 Norbit TMBMS Multibeam Echo Sounder
 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



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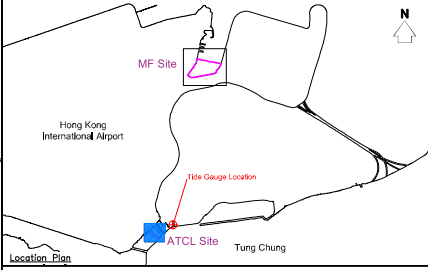


Hong Kong International Airport

Tung Chung



- Legend :
- Magnetic track with fix positions
 - - - Survey boundary

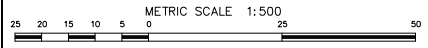


Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 2,4
 Drawing Title :
MAGNETIC TRACK PLOT

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
 Norbit TMBMS Multibeam Echo Sounder
 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Claire Lam	Margie Chen	Preliminary



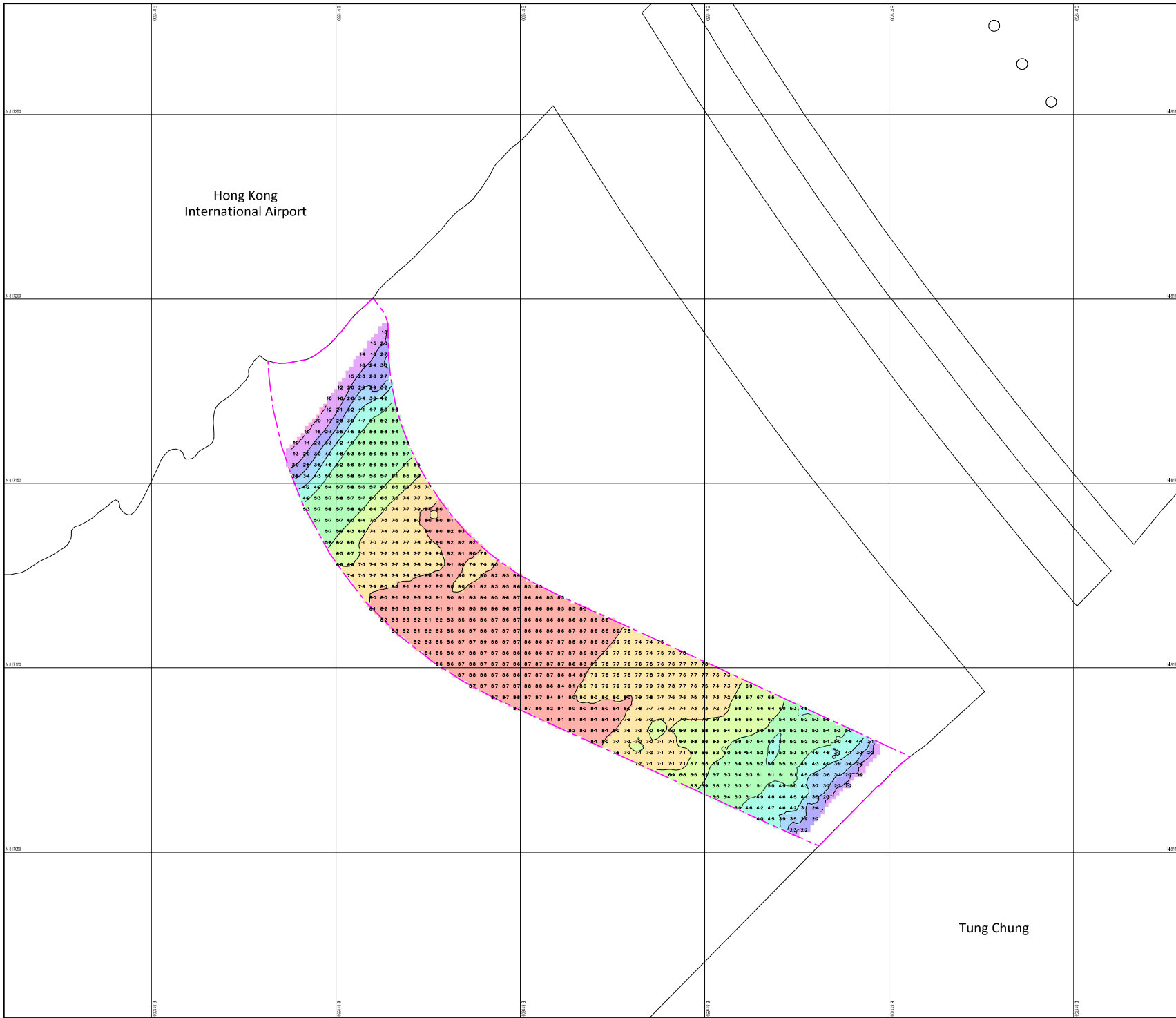
Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.

Surveyor :

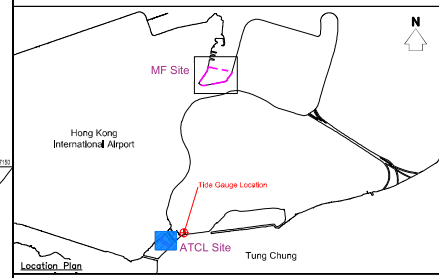
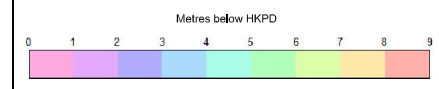


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 Web: www.egs.com.hk

JOB NO. : HK262222



Legend :
 24 Soundings in metres below HKPD
 Contour at 1m interval
 Survey boundary



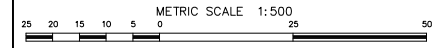
Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 2,5

Drawing Title :
COLOUR CONTOURED SWATH BATHYMETRY PLAN

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
 North HBMMS Multibeam Echo Sounder
 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

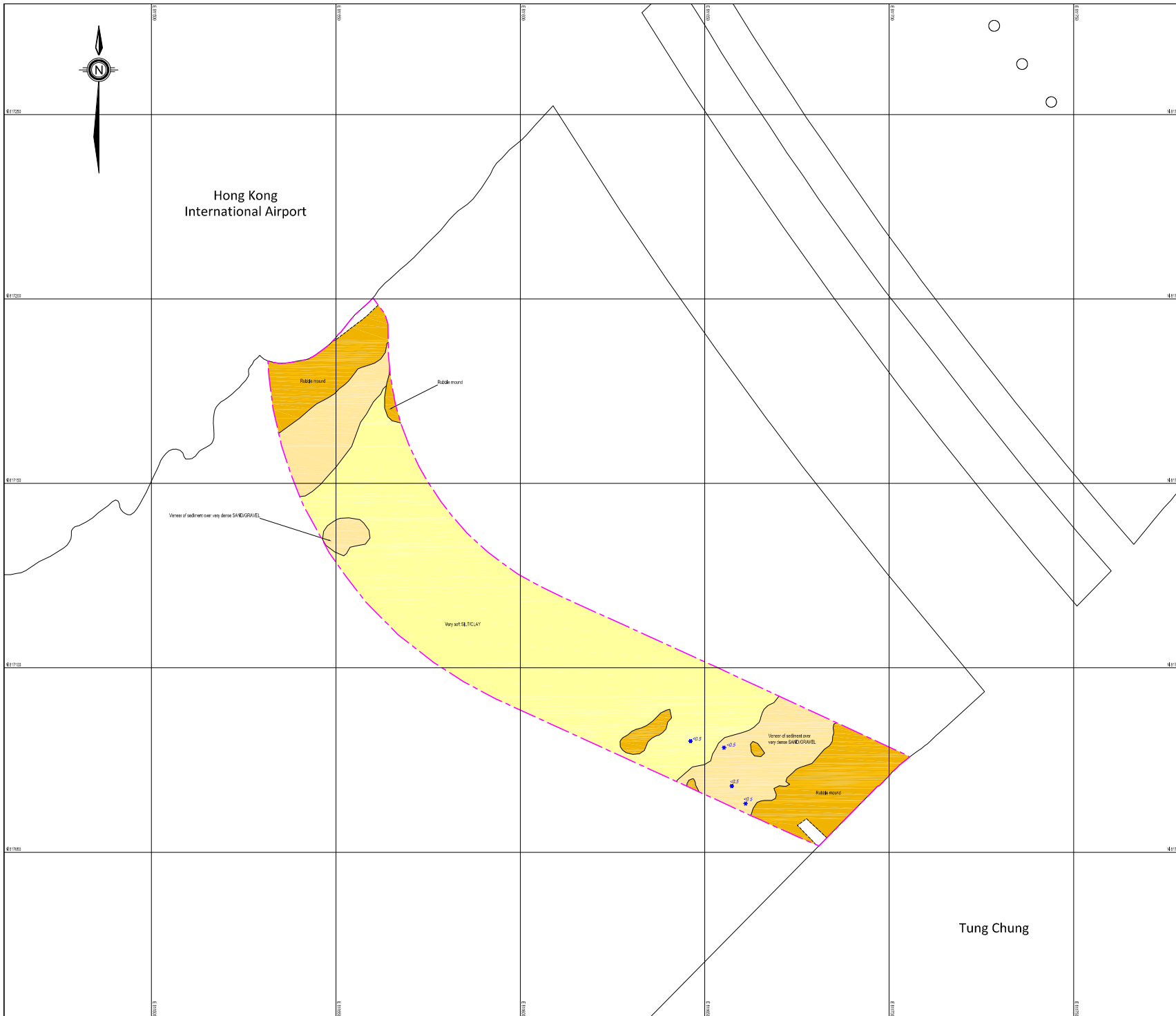
Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



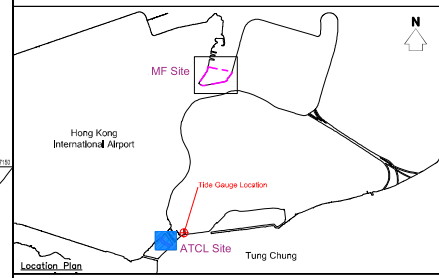
Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.

Surveyor :

 EGS ASIA LIMITED
 1101-1102, 11/F, 1101-1102, 1101-1102, 1101-1102
 1101-1102, 1101-1102, 1101-1102, 1101-1102
 1101-1102, 1101-1102, 1101-1102, 1101-1102
 1101-1102, 1101-1102, 1101-1102, 1101-1102
 JOB NO. : HK262222



- Legend :**
- S209
 SideScan
 Dark_Lin
 Sonar contact with reference number and anomaly size (length x width x height in metres where measurable; nmh = no measurable height)
 - Fine sediments (dominantly CLAY/SILT)
 - Coarser sediments (dominantly dense SAND/GRAVEL)
 - Rubble mound / BOULDER
 - Limit of side scan sonar coverage
 - Sediment or feature boundary
 - Survey boundary
 - BOULDER / Debris



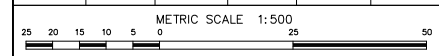
Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 2,6

Drawing Title :
SEABED FEATURES

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
 North MBMS Multibeam Echo Sounder
 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
 6. Coastline taken from 1:1,000 Survey Sheets, Survey and Mapping Office, Lands Department

Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Thet Oo	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



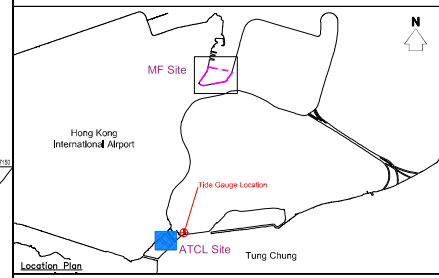
Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.



Legend :

- - - - - Survey boundary
- Magnetic anomaly with reference number and gradient (in nano-Tesla/meter)
- Limit of magnetic survey coverage

Quasi-analytic Signal (nT/m)

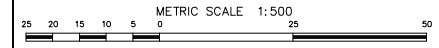


Project :
AAHK CONTRACT NO. C21W13 - MARINE GEOPHYSICAL SURVEYS

FIGURE NUMBER : 2,13
 Drawing Title :
MAGNETIC SIGNAL PLAN

- Notes :
1. Survey Date : 07-08/04/2022
 2. Survey Grid : Hong Kong 1980 Grid System
 3. Vertical Datum : Hong Kong Principal Datum
 4. Positioning : NovAtel PwrPak7D RTK-GNSS
 5. Equipment : EGS Boomer System
 Knudsen 320M Echo Sounder
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 Edgetech 4125i Side Scan Sonar System
 Geometrics G-882 Marine Magnetometer
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Revision No.	Date	Drawn by	Checked by	Approved by	Remarks
0	29/04/2022	Chester Quek	Claire Lam	Margie Chen	Preliminary
1	18/05/2022	Chester Quek	Thet Oo	Margie Chen	Final



Client :
Geotechnics & Concrete Engineering (H.K.) Ltd.

Surveyor :

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 Fax: (852) 27628889
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