

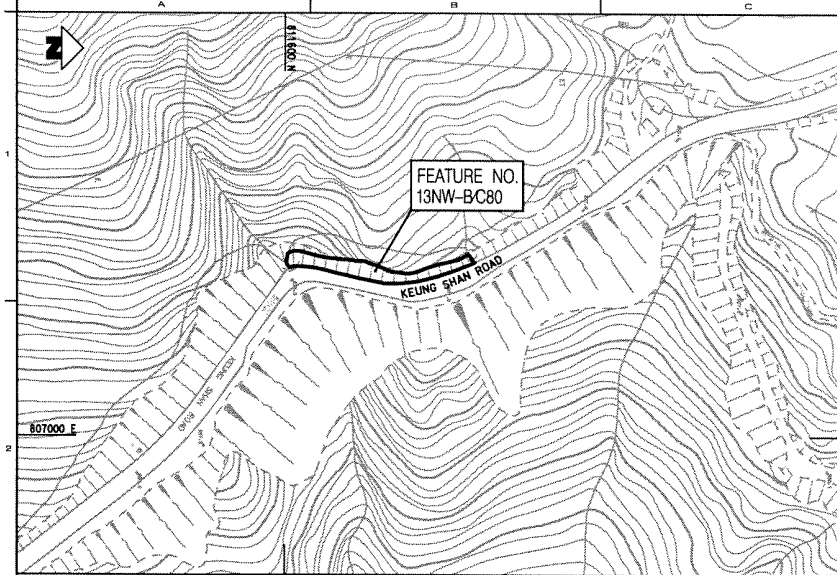
ATTACHMENT B

附件 B

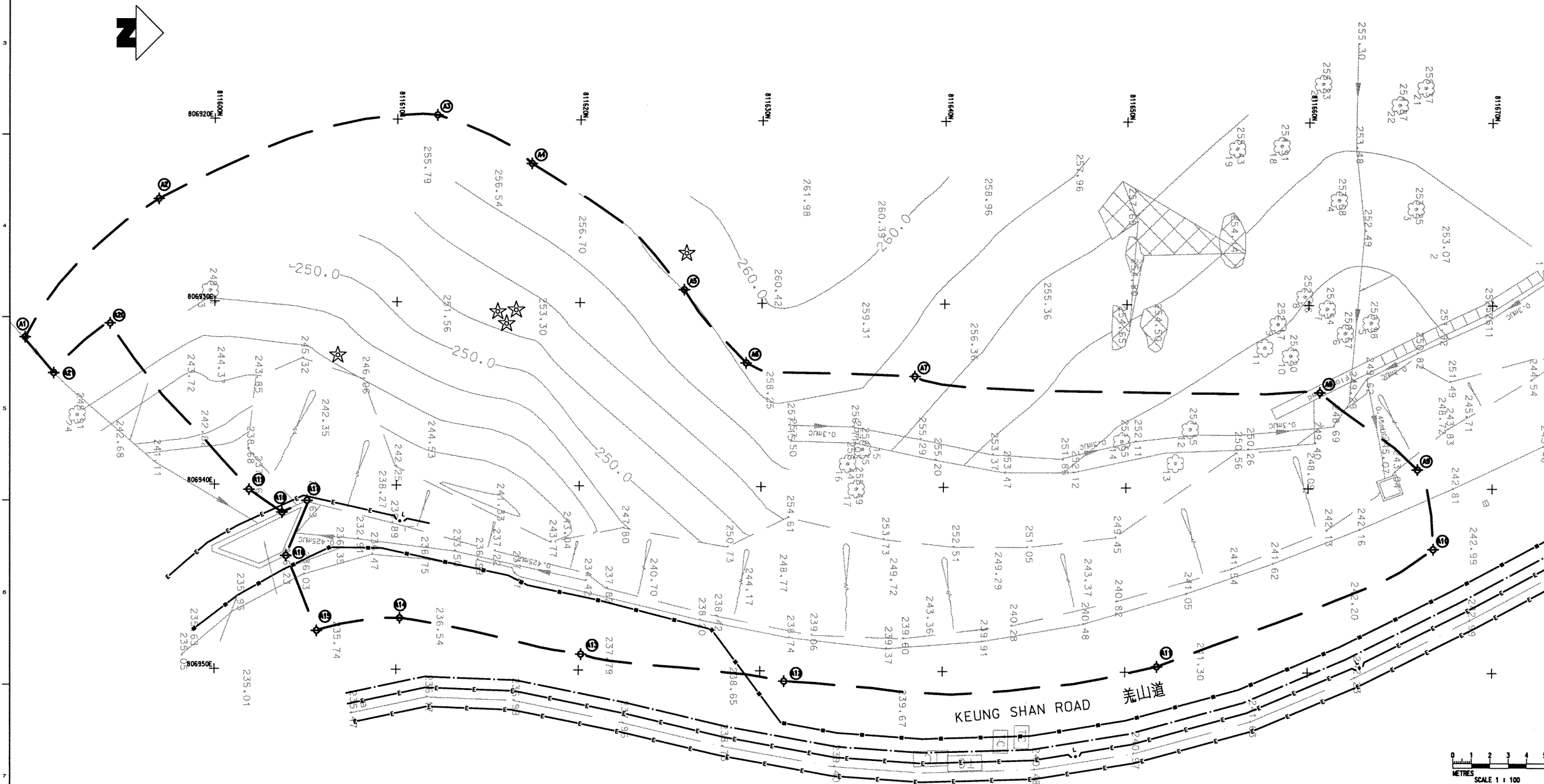
Construction Details for the Designated Features

建築工程詳情

<u>Feature No.</u> 斜坡編號	<u>Drawing No.</u> 繪圖編號
13NW-B/C80	LPM 0217/3211 LPM 0217/3212 LPM 0217/3213
13NW-B/C82	LPM 0217/3221 LPM 0217/3222 LPM 0217/3223
13NE-A/C98	LPM 0217/3411 LPM 0217/3412 LPM 0217/3413
13NE-A/C99	LPM 0217/3421 LPM 0217/3422 LPM 0217/3423
13NE-A/C100	LPM 0217/3511 LPM 0217/3512 LPM 0217/3513
13NE-A/C101	LPM 0217/3521 LPM 0217/3522 LPM 0217/3523
13NE-A/C102	LPM 0217/3431 LPM 0217/3432 LPM 0217/3433
13NE-A/C108	LPM 0217/3441 LPM 0217/3442 LPM 0217/3443
13NE-A/C133	LPM 0217/3531 LPM 0217/3532 LPM 0217/3533



LOCATION PLAN
平面定位圖
SCALE 1:1000



PLAN OF EXISTING UTILITIES AND WORKS SITE
現有公共設施和施工場地平面圖
SCALE 1:1000

TREE TABLE OF FEATURE NO. 13NW-B/C80
樹木表

TREE NO. 樹木編號	NORTHING 北 (m)	EASTING 東 (m)	R.L. 標高	DIAMETER (m) 直徑	HEIGHT (m) 高度	SPREAD (m) 散圍
1	811673.20	806928.32	253.75	0.15	2.50	2.50
2	811667.29	806926.82	253.07	0.10	5.00	2.50
3	811665.82	806924.71	253.25	0.10	6.50	2.50
4	811661.63	806924.24	253.08	0.25	6.00	3.50
5	811663.39	806930.96	250.98	0.30	6.50	4.00
6	811661.99	806931.52	250.67	0.10	5.00	2.50
7	811661.00	806930.20	251.54	0.10	6.50	2.00
8	811659.77	806929.54	252.06	0.10	5.00	2.50
9	811658.30	806931.05	252.17	0.10	6.00	2.90
10	811659.00	806932.79	251.20	0.25	5.50	3.50
11	811657.58	806932.34	251.77	0.10	6.00	2.80
12	811653.50	806936.82	251.15	0.25	5.00	4.00
13	811652.68	806938.66	250.99	0.10	2.50	2.50
14	811649.76	806937.49	251.65	0.10	3.00	2.50
15	811635.54	806937.95	256.75	0.10	2.50	2.50
16	811634.74	806938.74	256.44	0.10	2.50	2.50
17	811635.22	806940.11	255.49	0.20	3.50	4.00
18	811658.46	806921.28	254.91	0.15	6.50	2.50
19	811656.02	806921.45	255.43	0.10	5.00	2.50
20	811660.74	806917.87	255.23	0.25	8.00	3.50
21	811666.33	806918.08	255.37	0.25	8.50	4.00
22	811664.93	806919.02	254.87	0.10	7.50	2.50
23	811599.74	806929.40	248.41	0.20	7.00	4.50
24	811592.43	806936.23	245.91	0.30	9.00	4.00

BOUNDARY COORDINATES
FOR WORKS SITE
地盤邊界坐標

POINT 點位	EASTING (m) 東 (m)	NORTHING (m) 北 (m)
A1	806932.0	811589.6
A2	806924.4	811596.9
A3	806919.8	811612.2
A4	806922.4	811617.4
A5	806929.3	811625.7
A6	806933.3	811629.1
A7	806934.0	811638.4
A8	806934.8	811660.6
A9	806939.0	811665.9
A10	806943.3	811666.8
A11	806949.7	811651.7
A12	806950.6	811631.3
A13	806949.1	811620.1
A14	806947.2	811610.2
A15	806947.9	811605.6
A16	806943.9	811603.9
A17	806940.9	811605.1
A18	806941.5	811603.7
A19	806940.3	811601.9
A20	806931.2	811594.2
A21	806934.0	811591.1

LEGEND
圖例

- BOUNDARY OF WORKS SITE
地盤邊界
- ELECTRICITY CABLES
現有電纜
- TELEPHONE CABLES
電話纜
- FRESH WATER MAINS
與水管
- ELECTRICITY CABLES & LIGHT POLE
電纜和燈柱
- STORM WATER MANHOLE
雨水井檢蓋孔
- TREE AND TREE NO.
樹木和編號
- LAMP POST
燈柱
- ROAD SIGN
路牌
- TELEPHONE MANHOLE
電話檢蓋孔
- GULLY/GRATING
溝水口
- SETTING OUT POINT
定位點
- ★ CHINESE NEW YEAR FLOWER
(PROTECTED PLANT SPECIE)
迎春花 (受保護植物品種)

- GENERAL NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3212, 3213, 3211 STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THIS UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS. NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.

no.	date	description	initial
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	MAY02	FIRST DRAFT FOR GEO'S COMMENT	FN

no.	name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD.	MAR.02
designed	FM/BL	MAY02
drawn	BL	MAY02
checked	MH	MAY02
approved	DA	MAY02

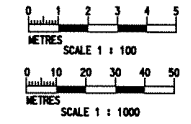
file no: E:\geopl\p\g\TRANSLATION\3211P2-CH.dgn
 project no: AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
 合約編號CE402000
 延攔十年的防止山泥傾瀉計劃第二期第G組
 contract: CONTRACT NO. GE200217
 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
 合約編號GE/2002/17
 延攔十年的防止山泥傾瀉計劃第二期第G組
 斜坡和擋土牆防止山泥傾瀉工程

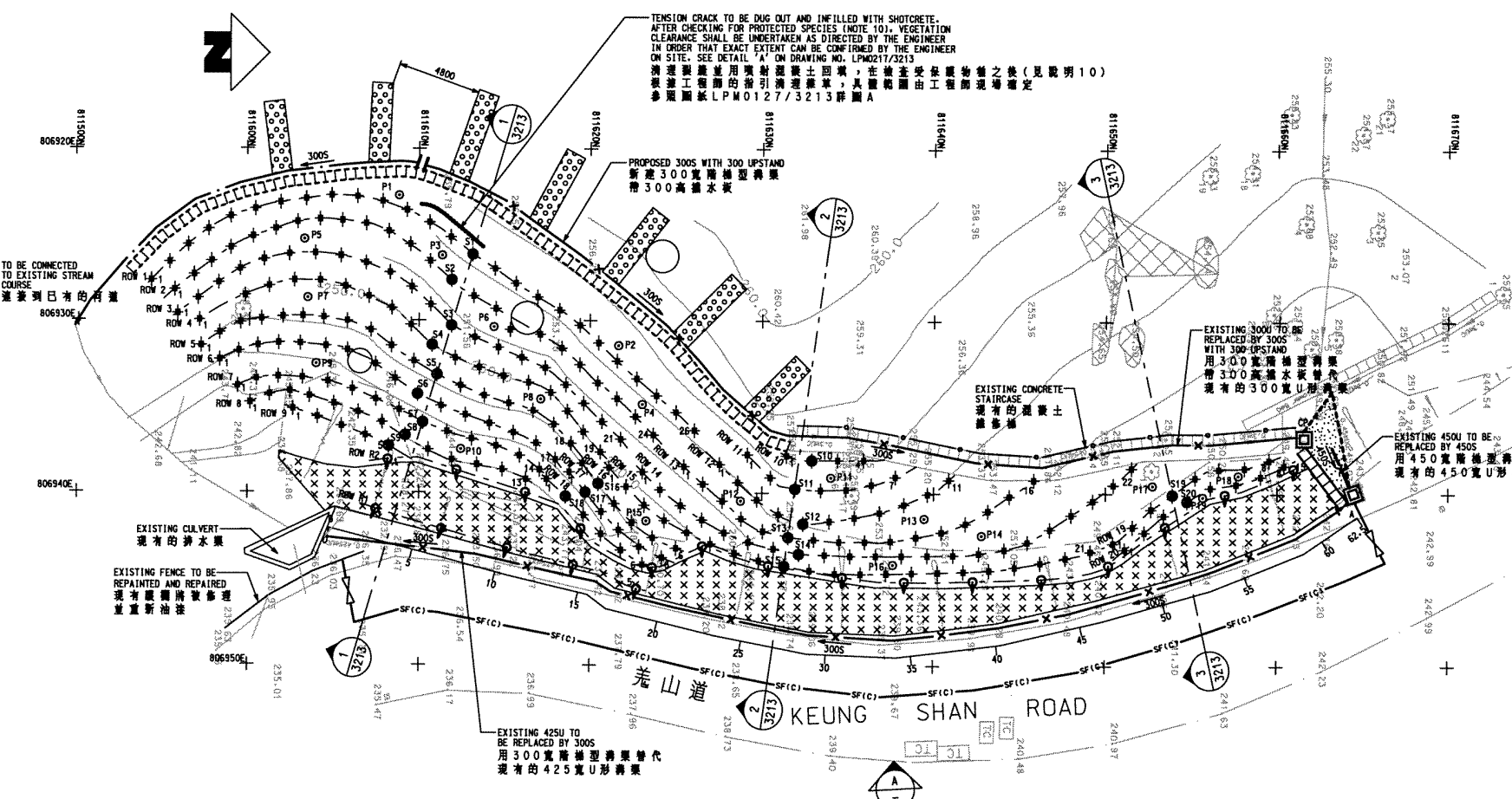
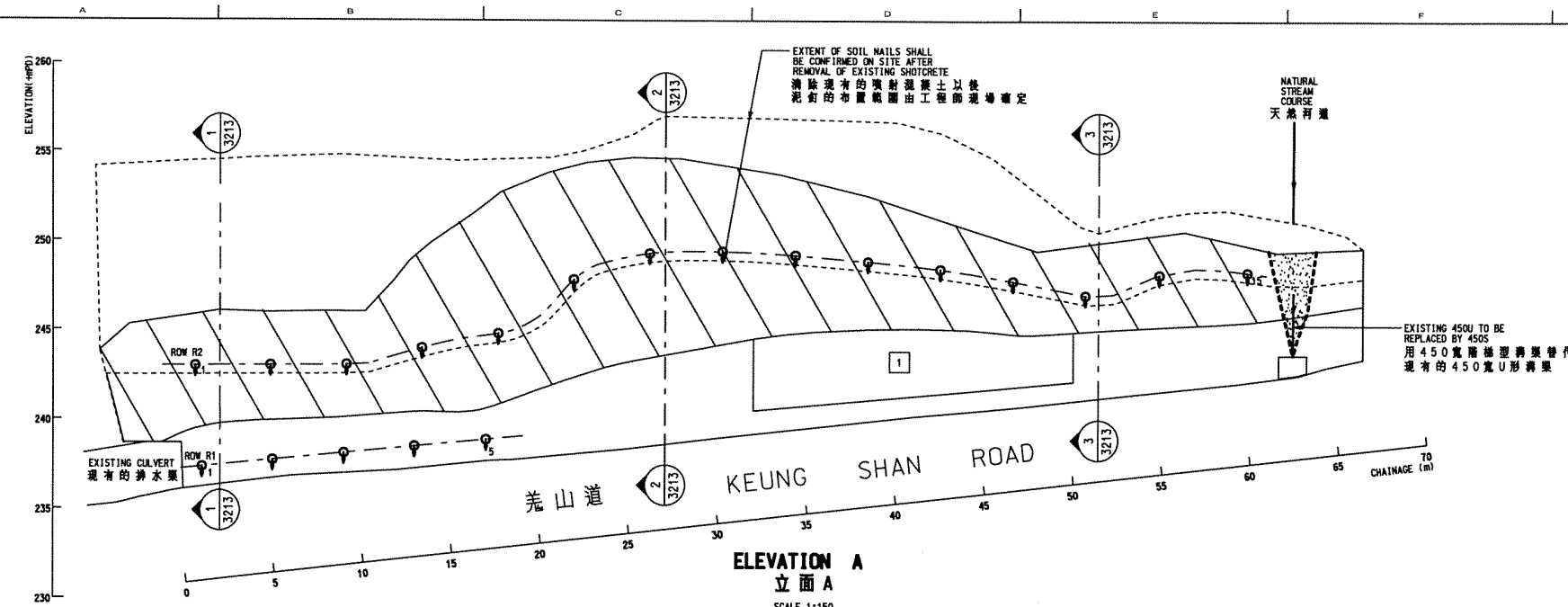
drawing no. LPM 0217 / 3211
 revision P2
 scale AS SHOWN

Halcrow
 合眾中國有限公司
 Halcrow China Ltd.
 Suite 303, Golden Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office: WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程課

CIVIL ENGINEERING DEPARTMENT
 HONG KONG
 土木工程署





SOIL NAILS SCHEDULE
泥釘表

ROW 行號	SOIL NAIL HEAD LEVEL (+HFD) 泥釘頭標高	LENGTH (m) 長度	HORIZONTAL SPACING (mm) 水平間距	DECLINATION TO HORIZONTAL (°) 水平夾角	BAR DIAMETER (mm) 鋼筋直徑	DRILLHOLE DIAMETER (mm) 鑽孔直徑	ANTICIPATED TOTAL NO. 預定總數
1	254.5	6	1500	15	25	100	26
2	253.0	6	1500	15	25	100	24
3	251.5	6	1500	15	25	100	21
4	250.0	12	1500	15	25	100	19
5	248.5	12	1500	15	25	100	18
6	247.0	12	1500	15	25	100	17
7	245.5	12	1500	15	25	100	14
8	244.0	12	1500	15	25	100	13
9	242.5	12	1500	15	25	100	5
10	256.4	12	1500	15	25	100	4
11	255.2	12	1500	15	25	100	7
12	254.0	12	1500	15	25	100	11
13	252.5	12	1500	15	25	100	16
14	251.0	12	1500	15	25	100	22
15	249.5	12	1500	15	25	100	21
16	248.0	12	1500	15	25	100	6
17	246.5	12	1500	15	25	100	6
18	245.0	12	1500	15	25	100	6
19	243.5	7	1500	15	25	100	8
20	242.0	7	1500	15	25	100	8

PULL OUT TEST SCHEDULE
試驗泥釘表

NAIL NO. 試驗泥釘編號	MAIL LENGTH (m) 長度	TEST LOAD (kN) 試驗拉力	BAR DIAMETER (mm) 鋼筋直徑	DRILLHOLE DIAMETER (mm) 鑽孔直徑
P1-P6	6	180	25	100
P7-P16	12	180	25	100
P17-P19	7	180	25	100

RAKING DRAINS SCHEDULE
水平排水管表

ROW 行號	RAKING DRAINS LEVEL 排水管標高	LENGTH (m) 長度	VENTILATIVE SPACING (mm) 規定水平間距	INCLINATION TO HORIZONTAL (°) 水平夾角	TYPE 類型	ANTICIPATED TOTAL NO. 預定總數
R1	1000 ABOVE SLOPE TOE	8	4000	10	1	5
R2	VARIABLES	8	4000	10	3	15

SETTING OUT INFORMATION FOR SOIL NAILS
泥釘定位坐標

POINT 定位點	EASTING (m) 東 (m)	NORTHING (m) 北 (m)	LEVEL (+HFD) 標高
S1	806926.1	811613.1	254.5
S2	806927.6	811611.9	253.0
S3	806930.3	811611.9	251.5
S4	806931.4	811610.8	250.0
S5	806933.1	811611.0	248.5
S6	806934.4	811609.9	247.0
S7	806935.9	811610.2	245.5
S8	806936.7	811609.2	244.0
S9	806937.3	811608.2	242.5
S10	806938.1	811632.9	256.4
S11	806939.8	811631.9	255.2
S12	806941.8	811632.4	254.0
S13	806942.6	811631.5	252.5
S14	806943.2	811625.0	251.0
S15	806943.5	811632.1	249.5
S16	806939.5	811620.5	248.0
S17	806940.0	811619.7	246.5
S18	806940.2	811618.6	245.0
S19	806940.1	811653.9	249.5
S20	806940.4	811654.8	248.0

SUMMARY OF WORKS REQUIRED FOR ROCK PORTION OF 13NW-B/C80
13NW-B/C80 岩石部分工作摘要

AREA 範圍	CHAINAGE (m) 參考長度	PROPOSED RSM 需要進行的岩石加固措施
1	32-50	ROCK SCALING AND 14 NOS. ROCK DOWELS (32mm DIA. AND 3m LONG)

- NOTES
- ALL ROCK DOWELS SHOULD BE INSTALLED AT 30° DECLINATION TO THE HORIZONTAL.
 - EXACT LOCATIONS OF THE WORKS SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
 - ROCK SLOPE TREATMENT WORKS FOR ROCK SLOPE SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
 - THE QUANTITIES OF PROPOSED ROCK DOWELS AND RAKING DRAINS ARE TENTATIVE ONLY.
 - ROCK SCALING TO BE UNDERTAKEN FOR THE ENTIRE ROCK PORTION.

EXISTING SHOTCRETE TO BE REPLACED BY 75 THICK SHOTCRETE WITH 50x50x2.7 WELDED MESH
在 50x50x2.7 鐵絲網上重新噴射 75 厚的噴射混凝土取代現有的噴射混凝土

EXISTING SHOTCRETE TO BE REMOVED AND INSPECTION SCAFFOLDING TO BE ERRECTED FOR ENGINEER INSPECTION
清除現有的噴射混凝土 架設工程師驗用的腳手架

ROCK SCALING AND ADDITIONAL ROCK SLOPE STABILIZATION MEASURES TO BE CONFIRMED BY THE ENGINEER AFTER REMOVAL OF EXISTING SHOTCRETE
清除現有的噴射混凝土以後 岩石加固及岩石坡的加固措施由工程師確定

PROPOSED COUNTERFORT DRAIN (REFER TO CED STD. DRG. NO. GC1060A)
新設排水扶牆 (參照 CED 標準圖 GC1060A)

- GENERAL NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3211, 3213, L3211, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - A TEMPORARY SAFETY (TYPE B) FENCE IS TO BE CONSTRUCTED ALONG THE SLOPE TOE AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO CED STANDARD DRAWING NO. C2502/1A AND C2502/2B. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
 - NO TREE FELLING IS PERMITTED DURING THE WORKS BY THE CONTRACTOR OR OTHER PARTIES ON SITE. THEREFORE, THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGES TO ALL EXISTING TREES AT THE CREST.
 - DETAILS OF MAINTENANCE ACCESS ARE IN ACCORDANCE WITH CED STANDARD DRAWING NO. GC1016B FOR CONCRETE MAINTENANCE STAIRWAY, GC1024 FOR STEEL STAIRCASE, C2103B FOR HANDRAILING TO MAINTENANCE STAIRWAY AND GC1058B FOR LOCKABLE GATE.
 - THE EXACT LOCATION OF THE ACCESS STAIRWAY AND STAIRCASE WILL BE CONFIRMED ON SITE BY THE ENGINEER.
 - ALL STEELWORK SHALL BE PAINTED IN ACCORDANCE WITH SYSTEM D OF GS18.62(1). FINISHING COAT SHALL BE OF ANTIQUE COLOUR (BS 108 251) PAINTING 62U OR AS DIRECTED ON SITE BY THE ENGINEER.
 - EXISTING CHINESE NEW YEAR FLOWERS SHALL BE DETERMINED ON SITE AND PROTECTED BY TEMPORARY CHAIN LINK FENCE.
 - INSPECTION SCAFFOLDING SHALL BE ERRECTED AS DIRECTED BY THE ENGINEER ON SITE FOR THE DETERMINATION OF ROCK SLOPE TREATMENT WORKS REQUIRED.
 - UPON COMPLETION OF THE WORKS, ONE SLOPE REGISTRATION PLATE SHALL BE FIXED AT A LOCATION SPECIFIED BY THE ENGINEER AND DETAILED IN STANDARD DRAWING NO. H6140(A) OR AS DIRECTED BY THE ENGINEER.
 - REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM 0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.

no.	date	description	initial
P2	JUL 02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	MAY02	FIRST DRAFT FOR GEO'S COMMENT	FM

revision	name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD.	MAR 02
designed	FM/BL	MAY02
drawn	BL	MAY02
traced	MH	MAY02
checked	DA	MAY02
approved		

drawing title
FEATURE No. 13NW-BC80
斜坡護欄 13NW-BC80
Keung Shan Road, Lantau
大嶼山麓山道

drawing no.	revision	scale
LPM 0217 / 3212	P2	1:150

Halcrow
合豐中國有限公司

WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程組

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程處

LEGEND
圖例

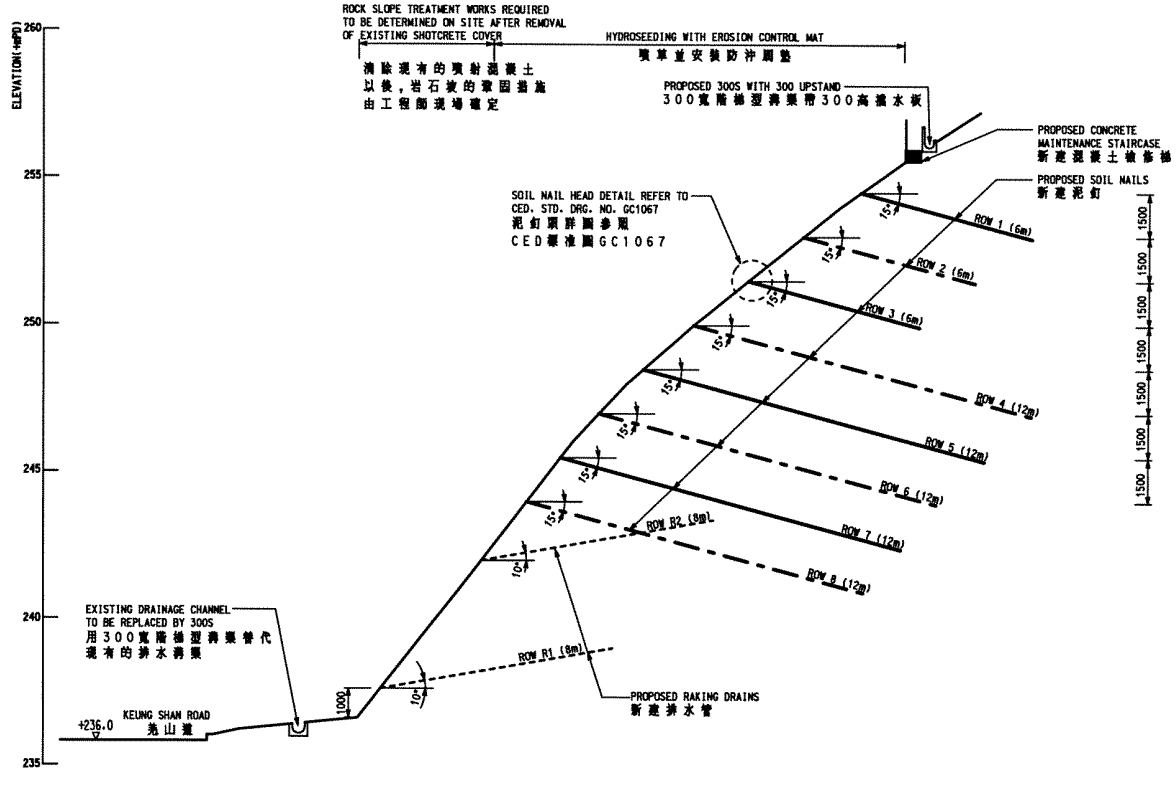
- CROSS SECTION 剖面圖
- DIRECTION OF ELEVATION 立面方向
- PROPOSED SOIL NAIL LOCATION 新設泥釘位置
- PROPOSED RAKING DRAINS (TYPE 1 OR TYPE 3) 新設排水管, 排水方向如箭頭所示 (1 型或 3 型)
- SOIL NAIL SETTING OUT POINT 泥釘定位點
- PULL OUT TEST NAIL 拔試驗釘
- PROPOSED CATCHPIT WITH TRAP (REFER TO CED STD. DRG. NO. C2406D) 新設帶水井及阻滯沙井 (參照 CED 標準圖 C2406D)
- EXISTING CATCHPIT 現有排水井
- TEMPORARY SAFETY FENCE TYPE C (REFER TO CED STD. DRG. NO. GC1062) C 型臨時安全圍欄 (參照 CED 標準圖 GC1062)
- LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. GC1058B) 可以上鎖的維修梯門 (參照 CED 標準圖 GC1058B)
- SITE ACCESS 地盤入口
- PROPOSED U-CHEMEL AND MASONRY APRON WITH DIRECTION OF FALL 新設 U 型溝渠和石砌護坡及流向
- PROPOSED STEPPED CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新設階梯型溝渠和石砌護坡及流向
- DRAINAGE WATERSHED 分水嶺
- PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE OPPOSITE SIDE OF STEPPED CHANNEL (REFER TO GE0117) 新設混凝土維修梯, 一邊設有扶手的階梯型溝渠 (參照 GE0217/1)
- PROPOSED STEEL MAINTENANCE STAIRCASE (REFER TO CED STD. DRG. NO. C2102A) 新設鋼製維修梯 (參照 CED 標準圖 C2102A)
- PROPOSED HANDRAIL (REFER TO CED STD. DRG. NO. C2103A) 新設扶手 (參照 CED 標準圖 C2103A)
- CHAINAGE (m) 參考長度 (米)
- PROPOSED AREA FOR ROCK STABILIZATION WORKS WITH REFERENCE NO. 需要進行岩石加固工作的範圍
- PROPOSED TEMPORARY CHAIN LINK FENCE WITHOUT BARBED WIRE (REFER TO CED STD. DRG. NO. C1006) 臨時不帶刺鐵絲線的圍欄 (參照 CED 標準圖 C1006)

GENERAL ARRANGEMENT OF WORKS
一般的工作安排
SCALE 1:150

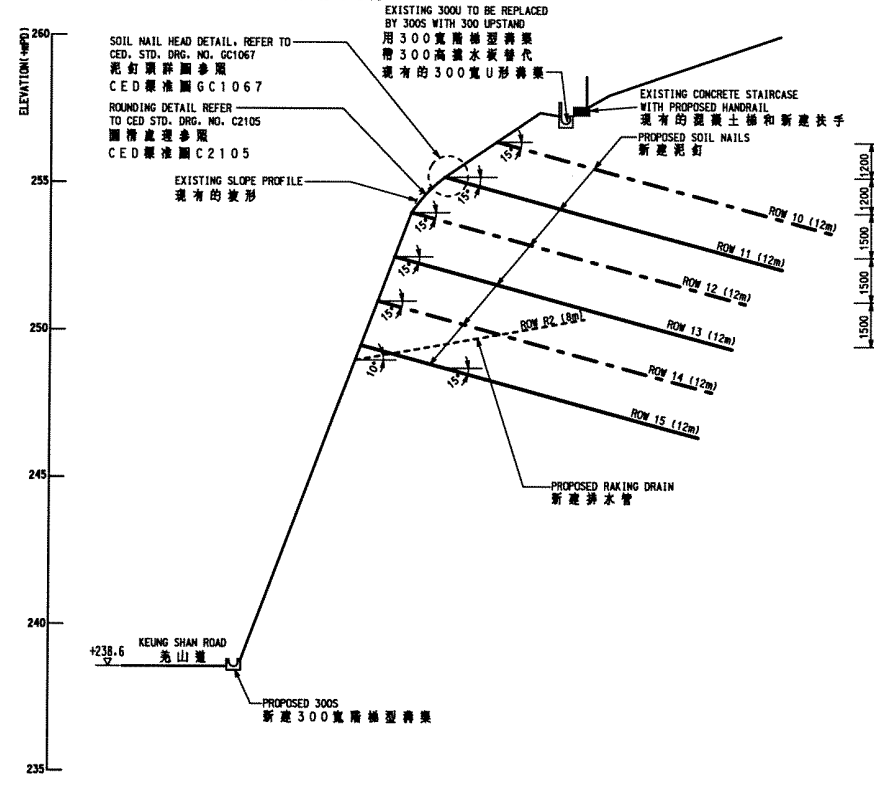


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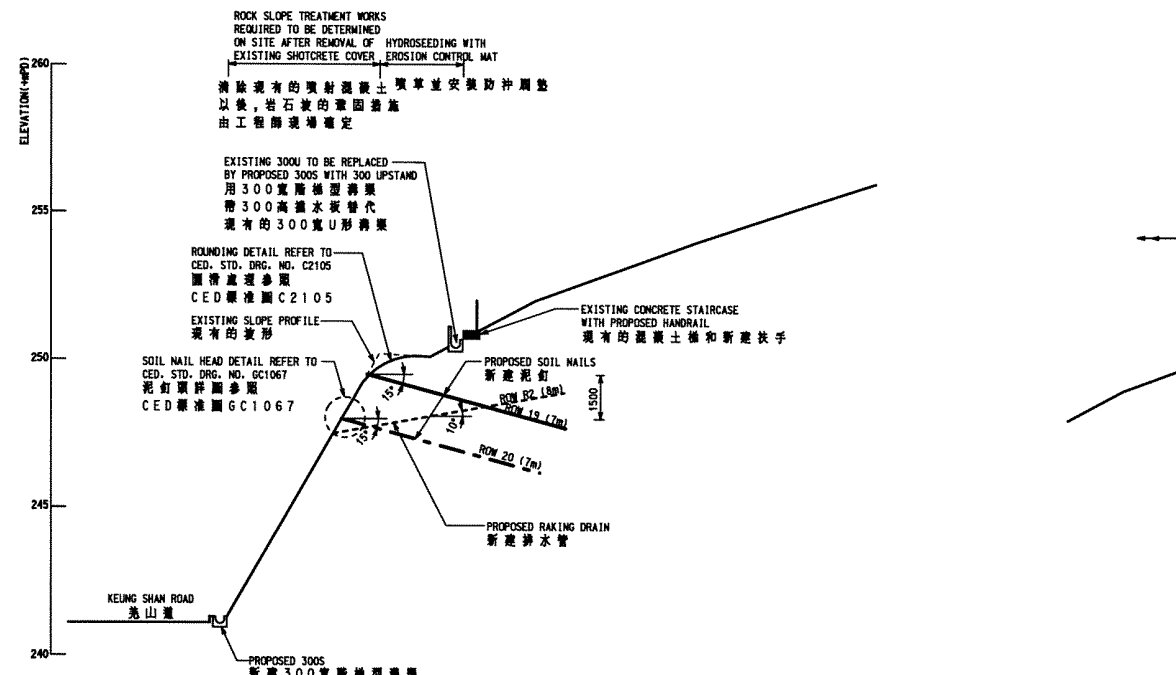
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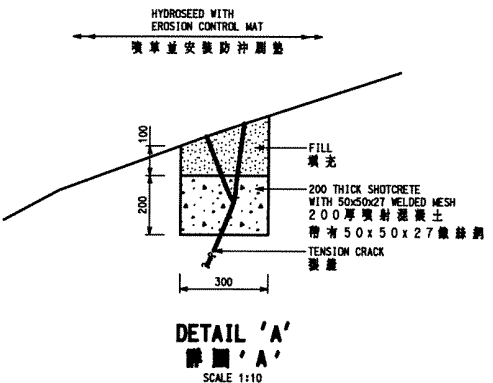
SECTION 1-1
圖 1-1
SCALE 1:100



SECTION 2-2
圖 2-2
SCALE 1:100

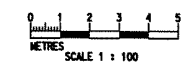


SECTION 3-3
圖 3-3
SCALE 1:100



DETAIL 'A'
圖 'A'
SCALE 1:10

- LEGEND:**
圖例:
- SOIL NAIL ON SECTION 剖面上的泥釘
 - - - - SOIL NAIL OFFSET 泥釘偏移
 - - - - PRESCRIPTIVE RAKING DRAIN 實用排水管



GENERAL NOTES
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3211, 3212, L3211, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
3. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.

P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	MAY02	FIRST DRAFT FOR GEO'S COMMENT	FM
no.	date	description	initial
REVISION			
surveyed	LEUNG SHOU CHUN		MAR.02
designed	FM/BL		MAY02
drawn	BL		MAY02
traced	MH		MAY02
checked	DA		MAY02
approved	Director, Halcrow China Ltd.		

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project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE40/2000
延續十年的防止山泥傾瀉計劃第二期第G組
contract CONTRACT NO. GE200217
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
延續十年的防止山泥傾瀉計劃第二期第G組
斜坡和牆土牆防止山泥傾瀉工程

drawing title
FEATURE No. 13NW-BC80
編號 13NW-BC80
Keung Shan Road, Lantau
大嶼山羌山道

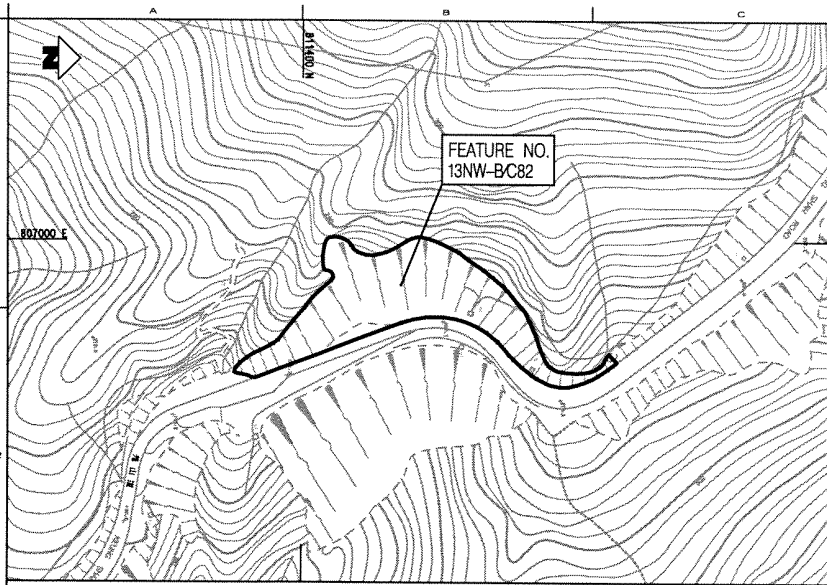
WORKS DETAILS AND SECTIONS
詳圖和剖面圖

drawing no.	revision	scale
LPM 0217 / 3213	P2	AS SHOWN

Halcrow
合榮中國有限公司
Halcrow China Ltd.
Suite 301, 3/F
Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程課

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署



LOCATION PLAN
平面定位圖
SCALE 1:1000

TREE TABLE OF FEATURE NO. 13NW-B/C82
樹木表

TREE NO. 樹木編號	NORTHING 北 (m)	EASTING 東 (m)	R.L. 標高	DIAMETER (m) 直徑	HEIGHT (m) 高度	SPREAD (m) 樹冠
25	811446.66	807020.08	213.15	0.10	2.00	1.00
26	811450.97	807016.14	219.99	0.10	2.50	1.00
27	811452.15	807009.23	229.05	0.10	4.00	1.50
28	811442.59	807000.32	236.00	0.10	4.00	1.00
28	811448.66	806999.95	234.72	0.20	5.00	3.00
30	811376.66	807036.74	206.37	0.30	3.00	2.50
31	811382.19	807033.86	210.97	0.10	3.00	2.50
32	811390.36	807024.61	219.83	0.15	3.50	2.50
33	811394.41	807017.05	224.74	0.15	4.00	3.00
34	811370.19	807042.75	201.32	0.15	4.50	2.50
35	811371.35	807032.22	209.29	0.10	3.50	2.50
36	811375.41	807023.45	216.20	0.15	4.00	3.00
37	811371.50	807024.17	219.27	0.15	3.50	2.00
38	811424.04	807015.09	219.77	0.10	3.50	1.50
39	811422.19	807009.59	225.85	0.10	4.00	1.50
40	811406.22	807015.31	227.02	0.15	3.00	1.50

BOUNDARY COORDINATES
FOR WORKS SITE
地盤邊界坐標

POINT 點位	EASTING (m) 東 (m)	NORTHING (m) 北 (m)
A1	807053.1	811375.4
A2	807043.3	811372.3
A3	807021.6	811383.3
A4	806988.6	811388.4
A5	806995.2	811407.2
A6	806995.6	811411.9
A7	806991.1	811421.1
A8	806991.7	811425.2
A9	806994.4	811433.9
A10	806994.4	811444.6
A11	807009.8	811463.6
A12	807016.7	811471.5
A13	807029.1	811481.2
A14	807031.8	811484.8
A15	807038.8	811493.4
A16	807038.4	811499.3
A17	807036.6	811503.0
A18	807036.2	811505.9
A19	807042.1	811509.1
A20	807051.4	811485.0
A21	807053.1	811490.8
A22	807053.2	811488.5
A23	807052.2	811485.5
A24	807050.5	811482.6
A25	807035.2	811465.2
A26	807029.5	811454.5
A27	807028.1	811448.0
A28	807029.8	811434.0
A29	807037.4	811417.0

- LEGEND
- FEATURE BOUNDARY 斜紋邊界
 - BOUNDARY OF WORKS SITE 地盤邊界
 - ELECTRICITY CABLES 現有電線
 - ELECTRICITY CABLES & LIGHT POLE 電線和燈柱
 - TELEPHONE CABLES 電話線
 - FRESH WATER MAINS 供水管道
 - MS STORM WATER MANHOLE 雨水井檢蓋孔
 - 250 TREE AND TREE NO. 樹木和編號
 - LAMP POST 燈柱
 - GULLY/GRATING 排水口
 - SETTING OUT POINT 定位點
 - BOREHOLE 鑽孔
 - SHEK PIK TUNNEL C (W3576) 石壘隧道 C (W3576)

GENERAL NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3222-3223-1, 3221, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
3. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
4. THE UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS, NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
5. THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
6. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.

no.	date	description	initial
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	10/12/01	FIRST DRAFT FOR GEO'S COMMENT	FM

no.	name	date
survayed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD.	MAR.02
designed	FM/EL	DEC.01
drawn	EL	DEC.01
traced	JY	DEC.01
checked	DA	DEC.01

file no. E:\gco\lpm\G*TRANSLATION\3221P2-CH.dgn
project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
延緩十年的防止山泥傾瀉計劃第二期第G組
contract CONTRACT NO. GE/2002/17
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
延緩十年的防止山泥傾瀉計劃第二期第G組
斜坡和牆土牆
防止山泥傾瀉工程

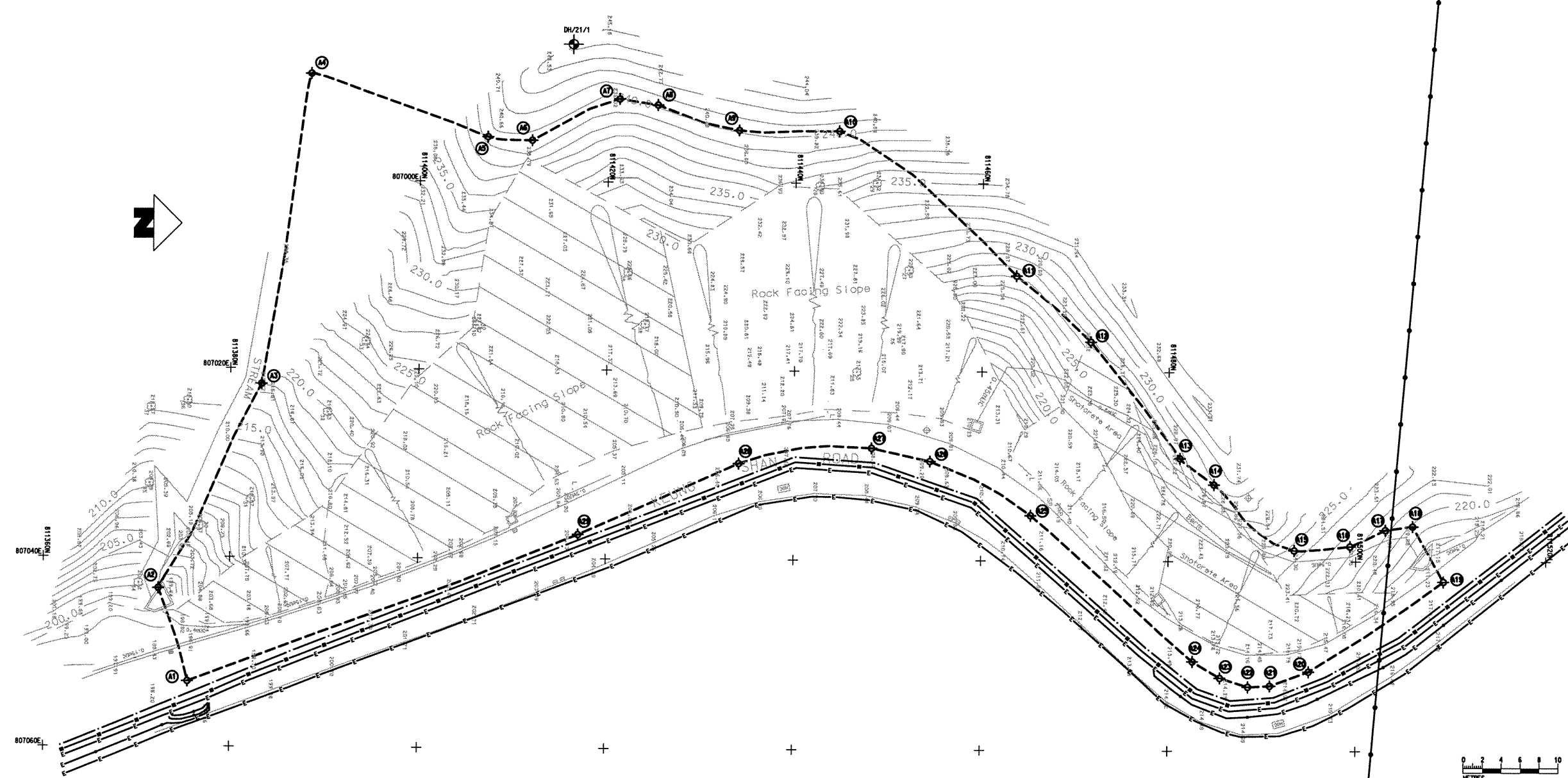
drawing title
FEATURE No. 13NW-BC82
樹木編號 13NW-BC82
Keung Shan Road, Lantau
大嶼山麓山道
LOCATION PLAN, PLAN OF EXISTING UTILITIES AND WORKS SITE
平面圖, 現有公共設施和施工場地平面圖

drawing no. LPM 0217 / 3221
revision P2
scale AS SHOWN

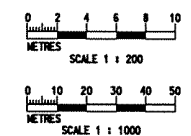
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Halcrow China Ltd.
Suite 301, 3F
Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon

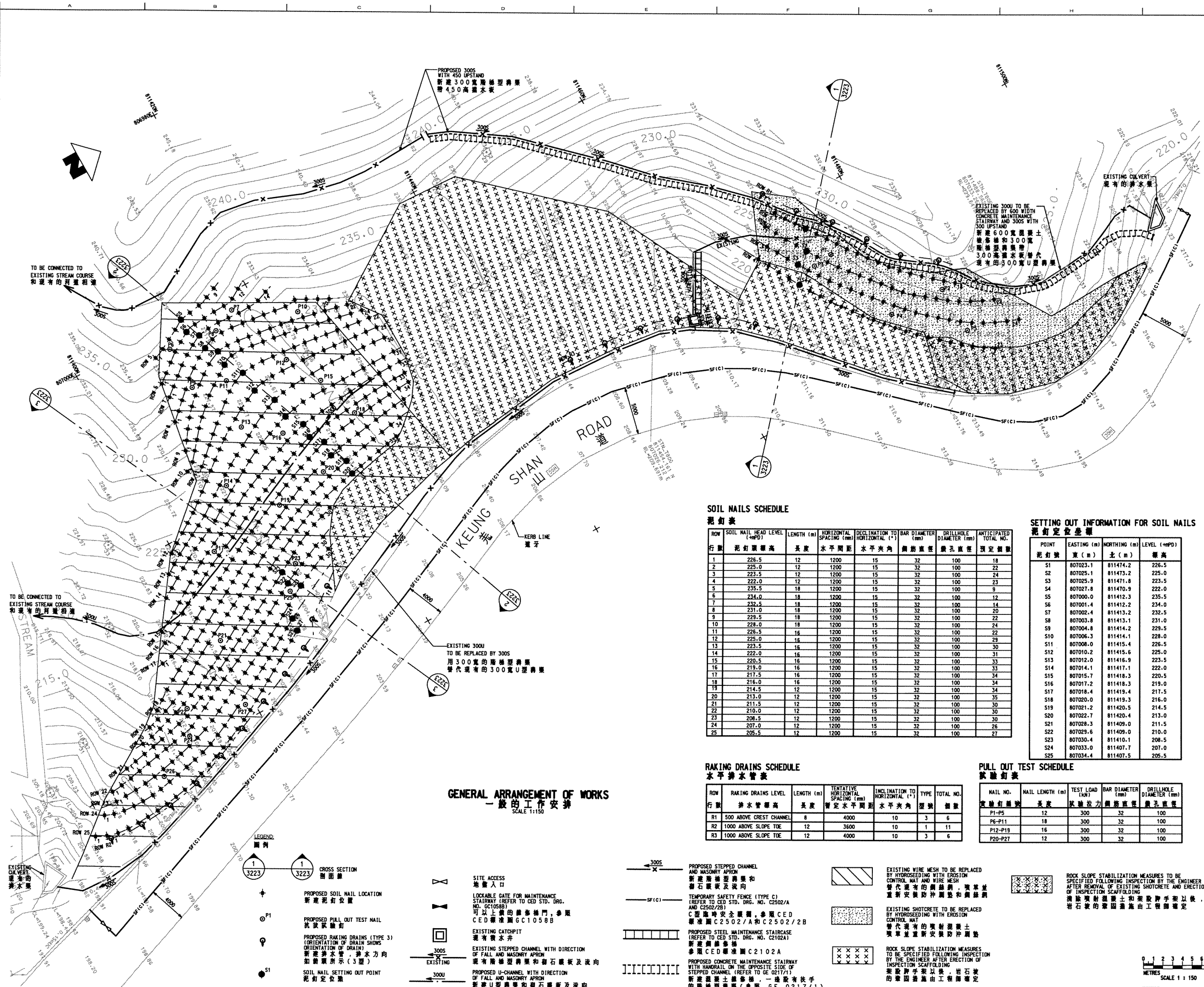
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HONG KONG
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PLAN OF EXISTING UTILITIES AND WORKS SITE
現有公共設施和施工場地平面圖
SCALE 1:200





- GENERAL NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3221, 3223, L3221, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - A TEMPORARY SAFETY FENCE (TYPE C) IS TO BE CONSTRUCTED ALONG THE SLOPE TOE AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NOS. C2502/1A AND C2502/2B. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
 - NO TREE FELLING IS PERMITTED DURING THE WORKS BY THE CONTRACTOR OR OTHER PARTIES ON SITE. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES AT THE CREST.
 - EXISTING SHOTCRETE SHALL BE REMOVED FROM WHOLE SLOPE. ERECTION OF INSPECTION SCAFFOLDING SHALL BE CARRIED OUT IMMEDIATELY AFTER REMOVAL OF SHOTCRETE. THE CONTRACTOR SHALL GIVE 2 WEEKS ADVANCE NOTICE TO THE ENGINEER FOR AVAILABILITY OF THE INSPECTION SCAFFOLDING. THE CONTRACTOR IS TO ALLOW A 4 WEEKS PERIOD FOR ROCK JOINT MAPPING AND INSTRUCT ROCK SLOPE STABILIZATION WORKS BY THE ENGINEER.
 - DETAILS OF MAINTENANCE ACCESS ARE IN ACCORDANCE WITH CED STANDARD DRAWING NO. G01016B FOR CONCRETE MAINTENANCE STAIRWAY, C2102A FOR STEEL STAIRCASE, C2103B FOR HANDRAILING TO MAINTENANCE STAIRWAY AND G01058B FOR LOCKABLE GATE.
 - THE EXACT LOCATION OF THE ACCESS STAIRWAY AND STAIRCASE WILL BE CONFIRMED ON SITE BY THE ENGINEER.
 - ALL STEELWORK SHALL BE PAINTED IN ACCORDANCE WITH SYSTEM D OF SS18, 62(1), FINISHING COAT SHALL BE OF ANTIQUE COLOUR (BS 108 25/PANTONE 462U OR AS DIRECTED ON SITE BY THE ENGINEER).
 - REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM 0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.

P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	FN
no.	date	description	initial

REVISION

no.	description	date
1	LEUNG SHUK CHUN SURVEYING CONSULTANTS LTD.	MAR.02
2	FN / EL	APR.02
3	EL	APR.02
4	JL	APR.02
5	DA	APR.02

SOIL NAILS SCHEDULE
泥釘表

ROW	SOIL NAIL HEAD LEVEL (+mPD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭高度	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定個數
1	226.5	12	1200	15	32	100	18
2	225.0	12	1200	15	32	100	22
3	223.5	12	1200	15	32	100	24
4	222.0	12	1200	15	32	100	23
5	235.5	18	1200	15	32	100	9
6	234.0	18	1200	15	32	100	12
7	232.5	18	1200	15	32	100	14
8	231.0	18	1200	15	32	100	20
9	229.5	18	1200	15	32	100	22
10	228.0	18	1200	15	32	100	24
11	226.5	16	1200	15	32	100	22
12	225.0	16	1200	15	32	100	29
13	223.5	16	1200	15	32	100	30
14	222.0	16	1200	15	32	100	31
15	220.5	16	1200	15	32	100	33
16	219.0	16	1200	15	32	100	33
17	217.5	16	1200	15	32	100	34
18	216.0	16	1200	15	32	100	34
19	214.5	12	1200	15	32	100	34
20	213.0	12	1200	15	32	100	35
21	211.5	12	1200	15	32	100	30
22	210.0	12	1200	15	32	100	30
23	208.5	12	1200	15	32	100	30
24	207.0	12	1200	15	32	100	26
25	205.5	12	1200	15	32	100	27

SETTING OUT INFORMATION FOR SOIL NAILS
泥釘定位參數

POINT	EASTING (m)	NORTHING (m)	LEVEL (+mPD)
泥釘號	東 (m)	北 (m)	標高
S1	807023.1	811474.2	226.5
S2	807025.1	811473.2	225.0
S3	807025.9	811471.8	223.5
S4	807027.8	811470.9	222.0
S5	807000.0	811412.3	235.5
S6	807001.4	811412.2	234.0
S7	807002.4	811413.2	232.5
S8	807003.8	811413.1	231.0
S9	807004.8	811414.2	229.5
S10	807006.3	811414.1	228.0
S11	807008.0	811415.4	226.5
S12	807010.2	811415.6	225.0
S13	807012.0	811416.9	223.5
S14	807014.1	811417.1	222.0
S15	807015.7	811418.3	220.5
S16	807017.2	811418.3	219.0
S17	807018.4	811419.4	217.5
S18	807020.0	811419.3	216.0
S19	807021.2	811420.5	214.5
S20	807022.7	811420.4	213.0
S21	807028.3	811409.0	211.5
S22	807029.6	811409.0	210.0
S23	807030.4	811410.1	208.5
S24	807033.0	811407.7	207.0
S25	807034.4	811407.5	205.5

RAKING DRAINS SCHEDULE
水平排水管表

ROW	RAKING DRAINS LEVEL	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管標高	長度	暫定水平間距	水平夾角	埋設	個數
R1	500 ABOVE CREST CHANNEL	8	4000	10	3	6
R2	1000 ABOVE SLOPE TOE	12	3600	10	1	11
R3	1000 ABOVE SLOPE TOE	12	4000	10	3	6

PULL OUT TEST SCHEDULE
試驗表

MAIL NO.	MAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
鋼釘號	長度	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P5	12	300	32	100
P6-P11	18	300	32	100
P12-P19	16	300	32	100
P20-P27	12	300	32	100

GENERAL ARRANGEMENT OF WORKS
一般的工作安排

SCALE 1:150

- LEGEND
圖例
- CROSS SECTION 剖面圖
 - PROPOSED SOIL NAIL LOCATION 新建泥釘位置
 - PROPOSED PULL OUT TEST MAIL 拔拉試驗釘
 - PROPOSED RAKING DRAINS (TYPE 3) (ORIENTATION OF DRAIN SHOWS DIRECTION OF FLOW) 新建排水管, 排水方向如箭頭所示 (3型)
 - SOIL NAIL SETTING OUT POINT 泥釘定位點
 - SITE ACCESS 地盤入口
 - LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. G01058B) 可以上鎖的維修梯門, 參閱 CED 標準圖 G01058B
 - EXISTING CATCHPIT 現有積水井
 - EXISTING STEPPED CHANNEL WITH DIRECTION OF FALL AND MASONRY APRON 現有階梯型溝渠和石砌襯及滾向
 - PROPOSED STEEL MAINTENANCE STAIRCASE (REFER TO CED STD. DRG. NO. C2102A) 新建鋼梯
 - PROPOSED U-CHANNEL WITH DIRECTION OF FALL AND MASONRY APRON 新建U型溝渠和石砌襯及滾向
 - PROPOSED STEPPED CHANNEL AND MASONRY APRON 新建階梯型溝渠和石砌襯及滾向
 - TEMPORARY SAFETY FENCE (TYPE C) (REFER TO CED STD. DRG. NO. C2502/A AND C2502/B) C型臨時安全圍欄, 參閱 CED 標準圖 C2502/A 和 C2502/B
 - EXISTING WIRE MESH TO BE REPLACED BY HYDROSEEDING WITH EROSION CONTROL MAT AND WIRE MESH 現有的鋼絲網, 須更換並重新安裝防沖擊墊和鋼絲網
 - EXISTING SHOTCRETE TO BE REPLACED BY HYDROSEEDING WITH EROSION CONTROL MAT 現有的噴射混凝土, 須更換並重新安裝防沖擊墊
 - ROCK SLOPE STABILIZATION MEASURES TO BE SPECIFIED FOLLOWING INSPECTION BY THE ENGINEER AFTER ERECTION OF INSPECTION SCAFFOLDING 架設腳手架以後, 岩石坡的加固措施由工程師確定
 - ROCK SLOPE STABILIZATION MEASURES TO BE SPECIFIED FOLLOWING INSPECTION BY THE ENGINEER AFTER ERECTION OF INSPECTION SCAFFOLDING 架設腳手架以後, 岩石坡的加固措施由工程師確定

GENERAL ARRANGEMENT OF WORKS
一般的工作安排

drawing no.	revision	scale
LPM 0217 / 3222	P2	1:150

Halcrow
合發中國有限公司

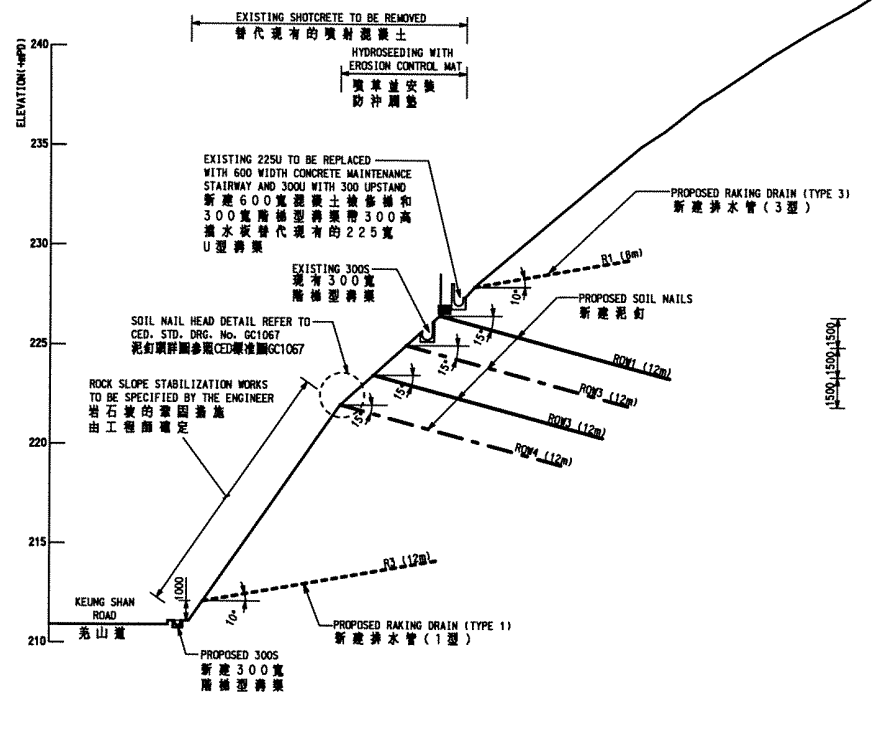
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Suite 307, 3/F
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Kowloon

WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程組

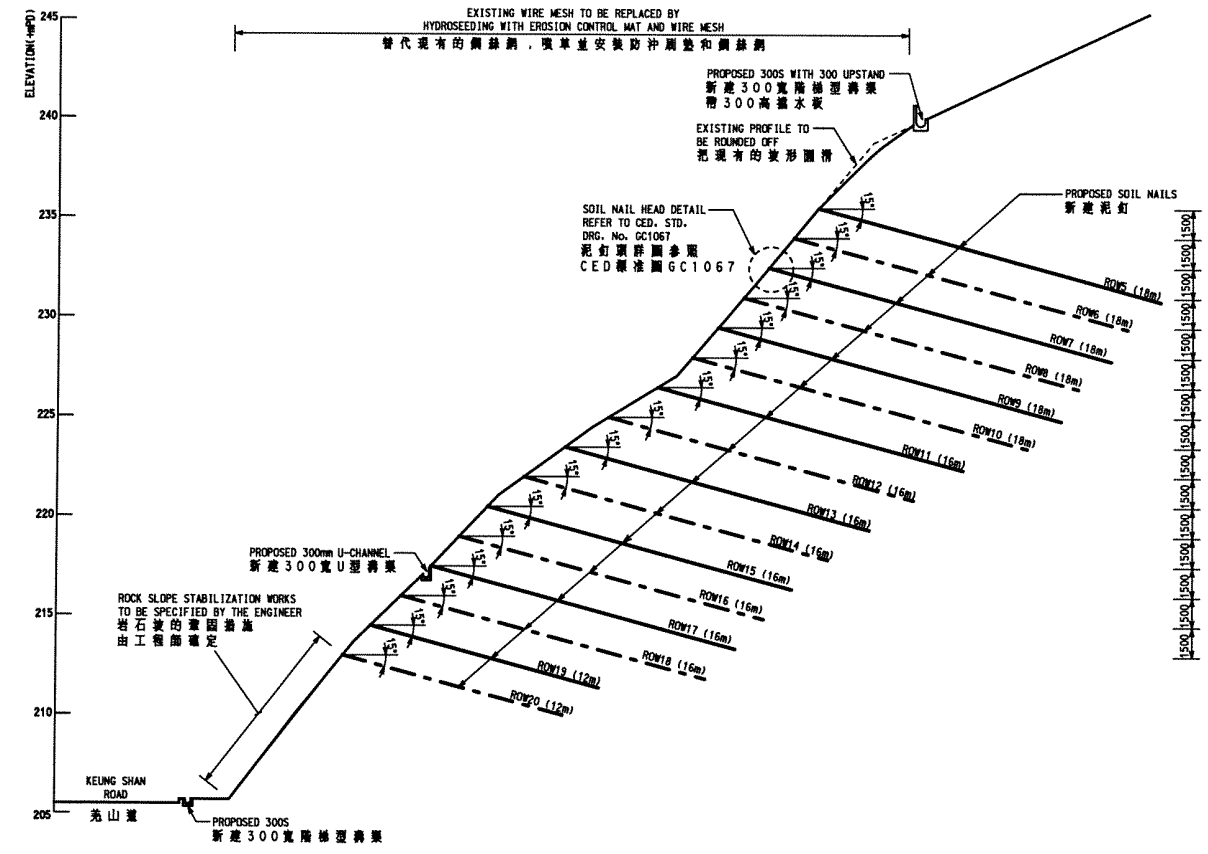
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DEPARTMENT
HONG KONG
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SCALE 1:150
METRES

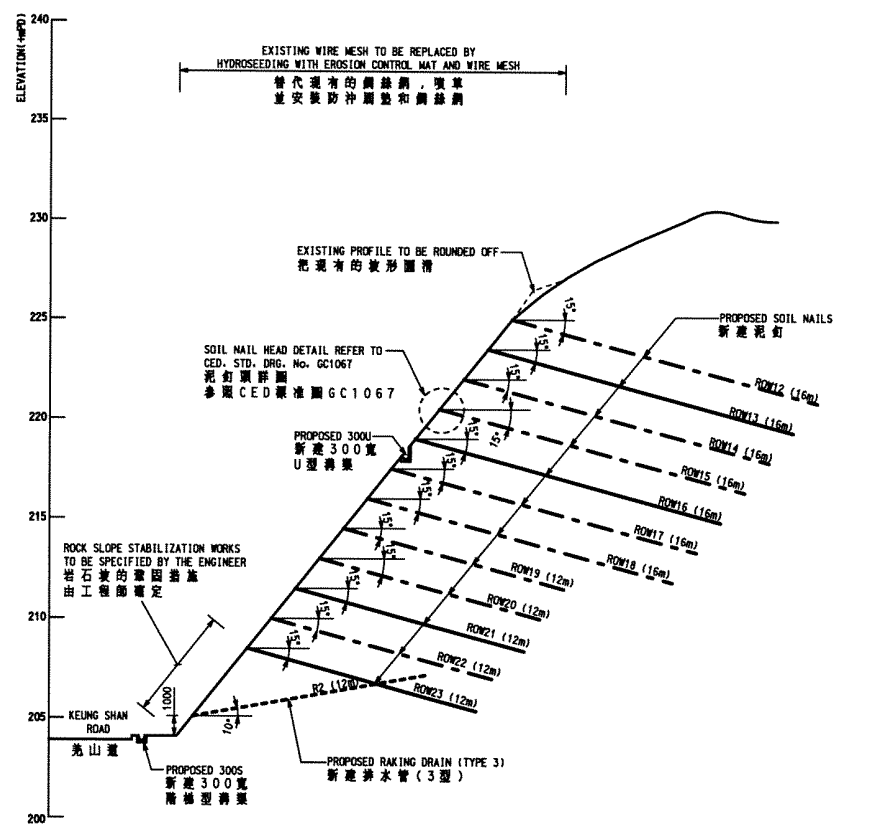
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SECTION 1-1
圖 1-1
SCALE 1:150



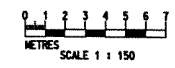
SECTION 2-2
圖 2-2
SCALE 1:150



SECTION 3-3
圖 3-3
SCALE 1:150

LEGEND

—●—	SOIL NAIL ON SECTION 剖面上的泥釘
---	SOIL NAIL OFFSET 并列泥釘
---	PRESRIPTIVE RAKING DRAIN 預用排水管



GENERAL NOTES
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002.3221, 3222 L3221, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
3. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.

P2	JUL. 02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR. 02	FIRST DRAFT FOR GEO'S COMMENT	FN
no.	date	description	initial
REVISION			
surveyed	LEUNG SHOU CHUN	SURVEYING CONSULTANTS LTD.	MAR. 02
designed	FN / EL		APR. 02
drawn	EL		APR. 02
traced	JL		APR. 02
checked	DA		APR. 02
approved	Director, Halcrow China Ltd.		

file no. E:\geo\1\pmg\TRANSLATION\3223P2-CH.dgn
project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
延續十年的防止山泥傾瀉計劃第二期第G組
contract CONTRACT NO. GE/2002/17
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
延續十年的防止山泥傾瀉計劃第二期第G組
斜坡和牆土牆防止山泥傾瀉工程

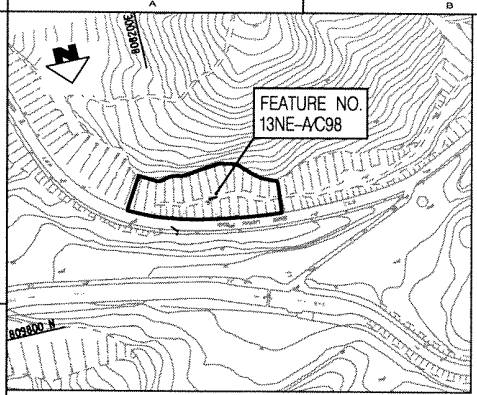
drawing title
FEATURE No. 13NW-BC82
斜坡編號 13NW-BC82
Keung Shan Road, Lantau
大嶼山羌山道

WORKS DETAILS AND SECTIONS
詳圖和剖面圖
drawing no. LPM 0217 / 3223
revision P2
scale 1:150

Halcrow
合榮中國有限公司
Halcrow China Ltd
Suite 301, 3F
Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程務部

CIVIL ENGINEERING
DEPARTMENT
HONG KONG
土木工程署



BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

POINT 點位	EASTING(m) 東(m)	NORTHING(m) 北(m)	POINT 點位	EASTING(m) 東(m)	NORTHING(m) 北(m)
A1	808211.5	809714.6	A12	808133.2	809732.1
A2	808169.6	809711.5	A13	808118.8	809737.3
A3	808166.2	809711.6	A14	808119.6	809761.5
A4	808162.9	809711.5	A15	808129.9	809761.1
A5	808160.3	809712.5	A16	808141.7	809760.2
A6	808157.4	809713.8	A17	808154.0	809758.8
A7	808153.1	809716.3	A18	808171.2	809756.2
A8	808149.3	809718.8	A19	808193.3	809751.6
A9	808144.2	809722.6	A20	808204.2	809748.9
A10	808138.4	809728.1	A21	808213.4	809746.0
A11	808135.5	809730.6	A22	808219.8	809743.6

- LEGEND 圖例**
- FEATURE BOUNDARY 斜線邊界
 - BOUNDARY OF WORKS SITE 地盤邊界
 - FRESH WATER MAINS freshwater mains
 - ELECTRICITY CABLES 現有電線
 - OVERHEAD ELECTRICITY CABLES 架空電線
 - ELECTRICITY CABLES & LIGHT POLE 電線和燈柱
 - STORM WATER DRAIN 雨水管渠
 - STORM WATER MANHOLE 雨水井檢蓋孔
 - TREE AND TREE NO. 樹木和編號
 - LAMP POST 燈柱
 - ROAD SIGN 路牌
 - GULLY/GRATING 溝水口
 - SETTING OUT POINT 定位點
 - BOREHOLE 鑽孔

TREE TABLE FOR FEATURE NO. 13NE-A/C98
樹木表

NO.	TRUNK PERIMETER (CM)	HEIGHT (M)	SPECIES	STATUS
1	15	10
2	18	12
3	20	15
4	22	18
5	25	20
6	28	22
7	30	25
8	32	28
9	35	30
10	38	32
11	40	35
12	42	38
13	45	40
14	48	42
15	50	45
16	52	48
17	55	50
18	58	52
19	60	55
20	62	58
21	65	60
22	68	62
23	70	65
24	72	68
25	75	70
26	78	72
27	80	75
28	82	78
29	85	80
30	88	82
31	90	85
32	92	88
33	95	90
34	98	92
35	100	95
36	102	98
37	105	100
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39	110	105
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42	118	112
43	120	115
44	122	118
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50	138	132
51	140	135
52	142	138
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56	152	148
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67	180	175
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265	675	670
266	678	672
267	680	675
268	682	678
269	685	680
270	688	682
271	690	685
272	692	688
273	695	690
274	698	692
275	700	695
276	702	698
277	705	700
278	708	702
279	710	705
280	712	708
281	715	710
282	718	712
283	720	715
284	722	718
285	725	720

SOIL NAILS SCHEDULE
泥釘表

ROW	SOIL NAIL HEAD LEVEL (+HPD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭高度	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定總數
1	101.50	14	1500	15	32	100	14
2	100.00	14	1500	15	32	100	24
3	98.50	14	1500	15	32	100	27
4	97.00	14	1500	15	32	100	31
5	95.50	14	1500	15	32	100	36
6	94.00	14	1500	15	32	100	34
7	91.50	14	1500	15	32	100	15
8	90.00	14	1500	15	32	100	29
9	88.50	14	1500	15	32	100	42
10	87.00	14	1500	15	32	100	43
11	85.50	14	1500	15	32	100	44
12	84.00	14	1500	15	32	100	44
13	106.60	15	1500	15	32	100	20
14	105.10	15	1500	15	32	100	19
15	103.60	15	1500	15	32	100	15
16	100.40	15	1500	15	32	100	16
17	98.90	15	1500	15	32	100	19
18	97.40	15	1500	15	32	100	19
19	95.90	15	1500	15	32	100	20
20	94.40	15	1500	15	32	100	19
21	92.90	15	1500	15	32	100	19
22	91.40	15	1500	15	32	100	14
23	88.40	15	1500	15	32	100	19
24	86.90	15	1500	15	32	100	20
25	85.40	15	1500	15	32	100	19
26	83.90	15	1500	15	32	100	20

SETTING OUT INFORMATION FOR SOIL NAILS
泥釘定位參數

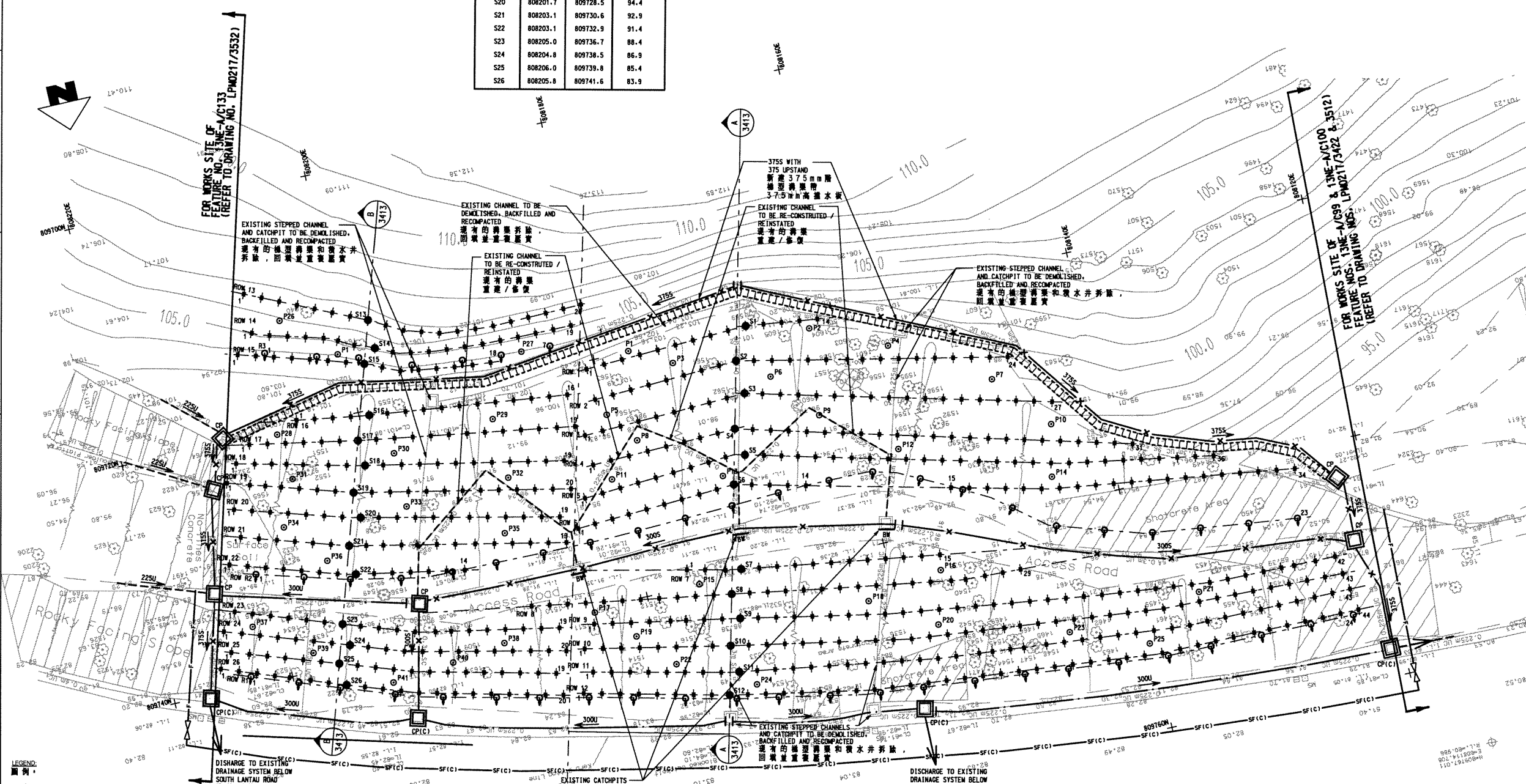
POINT	EASTING (m)	NORTHING (m)	LEVEL (+HPD)
點號	東 (m)	北 (m)	標高
S1	808167.3	809720.0	101.5
S2	808168.7	809722.7	100.0
S3	808168.6	809725.4	98.5
S4	808170.0	809728.1	97.0
S5	808169.8	809730.4	95.5
S6	808171.1	809732.6	94.0
S7	808172.0	809735.5	91.5
S8	808173.2	809741.3	90.0
S9	808172.9	809743.4	88.5
S10	808174.2	809745.4	87.0
S11	808173.9	809747.7	85.5
S12	808175.1	809749.4	84.0
S13	808197.5	809712.7	106.6
S14	808197.5	809715.1	105.1
S15	808198.6	809716.2	103.6
S16	808199.2	809720.4	100.4
S17	808200.5	809722.3	98.9
S18	808200.4	809724.4	97.4
S19	808201.8	809726.4	95.9
S20	808201.7	809728.5	94.4
S21	808203.1	809730.6	92.9
S22	808203.1	809732.9	91.4
S23	808205.0	809736.7	88.4
S24	808204.8	809738.5	86.9
S25	808206.0	809739.8	85.4
S26	808205.8	809741.6	83.9

RAKING DRAINS SCHEDULE
水平排水管表

ROW	RAKING DRAINS LEVEL	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管高度	長度	暫定水平間距	水平夾角	型號	總數
R1	1000 ABOVE SLOPE TOE	10	4000	10	3	24
R2	1000 ABOVE BERM	10	4000	10	3	23
R3	AT 104HPD	10	4000	10	3	7

PULL OUT TEST SCHEDULE
試驗釘表

MAIL NO.	MAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
試驗釘編號	長度 (m)	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P25	15	300	32	100
P26-P41	16	300	32	100



GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3411, 3413, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
- THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
- A TEMPORARY SAFETY FENCE (TYPE C) SHALL BE CONSTRUCTED ALONG THE WORKS SITE TOE AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NO. GC1062. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
- NO TREES SHRUBS AND FERNS SHALL BE FELLED WITHOUT APPROVED OF THE ENGINEER IN WRITING. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES.
- UPON COMPLETION OF THE WORKS, ONE SLOPE REGISTRATION PLATE SHALL BE FIXED AT A LOCATION SPECIFIED BY THE ENGINEER AND DETAILED IN STANDARD DRAWING NO. H6140(A) OR AS DIRECTED BY THE ENGINEER.
- REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.

no.	date	description	initial
P2	JUL 02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	JUNE 02	FIRST DRAFT FOR GEO'S COMMENT	FN

REVISION

no.	name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD.	MAR 02
designed	ML	MAY 02
drawn	AC	MAY 02
checked	JL	MAY 02
approved	DA	JUNE 02

file no. E:\proj\p1\TRANSLATION\041222-CH.dgn
project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE40/2000
延展十年的防止山泥傾瀉計劃第二期第G組

contract CONTRACT NO. GE2002/17
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE2002/17
延展十年的防止山泥傾瀉計劃第二期第G組
斜坡和擋土牆防止山泥傾瀉工程

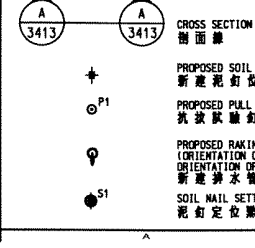
drawing title
FEATURE No. 13NE-AC98
斜坡編號 13NE-AC98
South Lantau Road,
Near Shek Pik Reservoir, Lantau
大嶼山石壁水塘附近
大嶼山
GENERAL ARRANGEMENT OF WORKS
一般的工作安排

drawing no.	revision	scale
LPM 0217 / 3412	P2	1:150

Halcrow Halcrow China Ltd.
Suite 203, 3F
Chinachem Golden Plaza
77 Mooy Road, Tsimshatsui East
Kowloon
合榮中國有限公司

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程部

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程處



PROPOSED SOIL NAIL LOCATION
新建泥釘位置

PROPOSED PULL OUT TEST NAIL
試驗釘

PROPOSED RAKING DRAINS (TYPE 3)
(ORIENTATION OF DRAIN SHOWS ORIENTATION OF DRAIN)
新建排水管(3型), 排水方向如箭頭所示

SOIL NAIL SETTING OUT POINT
泥釘定位點

PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C)
新建截水井
(參閱CED標準圖C2405C)

PROPOSED CATCHPIT WITH PRECAST CONCRETE COVER (REFER TO CED STD. DRG. NOS. C2405C AND C2407)
新建帶預製混凝土蓋的截水井
(參閱CED標準圖C2405C和C2407)

PROPOSED U-CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL
新建U型溝渠和磚石護坡及流向

PROPOSED STEPPED CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL
新建石級渠和磚石護坡及流向

SOIL NAIL ZONE BOUNDARY
泥釘區邊界

PROPOSED BAFFLE WALL
新建擋牆

TEMPORARY CHAIN LINK FENCE (REFER TO CED STD. DRG. NO. C1006)
臨時圍欄
(參閱CED標準圖C1006)

TEMPORARY SAFETY FENCE TYPE C (REFER TO CED STD. DRG. NO. GC1062)
參閱CED標準圖GC1062

PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE (REFER TO GE 0217/1)
新建預製混凝土樓梯, 下樓的一邊設有扶手
(參閱GE 0217/1)

DISCHARGE TO EXISTING DRAINAGE SYSTEM BELOW SOUTH LANTAU ROAD
排放到現有南下的排水系統

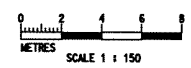
EXISTING CATCHPITS TO BE DEMOLISHED AND REPLACED BY BAFFLE WALL
現有的截水井將被拆除並換成擋牆

EXISTING CHANNELS TO BE DEMOLISHED, BACKFILLED AND RECOMPACTED
現有的溝渠將被拆除、回填並重新壓實

EXISTING CHANNELS TO BE RE-CONSTRUCTED / REINSTATED
現有的溝渠將重新建造/修復

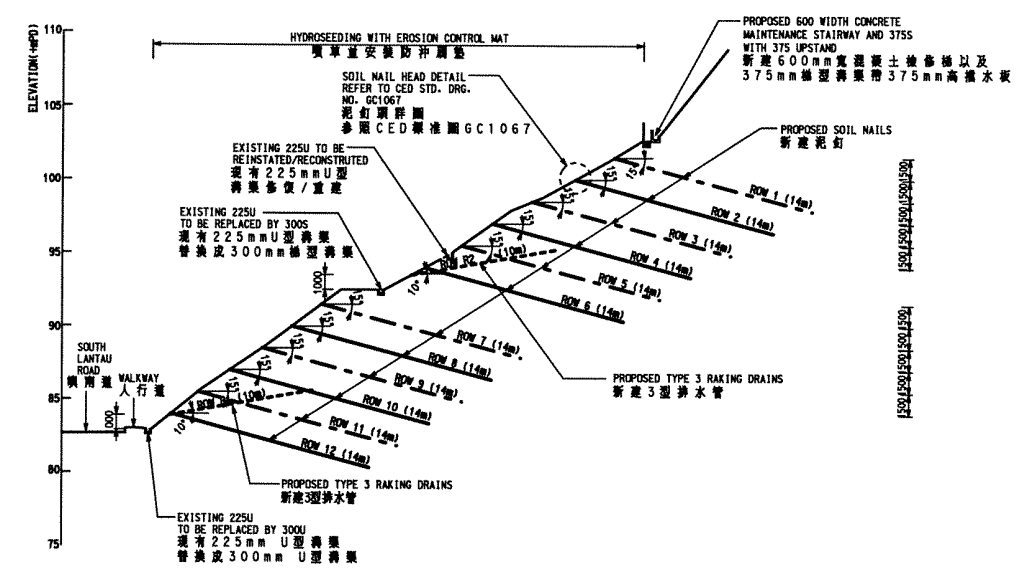
EXISTING STEPPED CHANNEL AND CATCHPIT TO BE DEMOLISHED, BACKFILLED AND RECOMPACTED
現有的石級渠和截水井將被拆除、回填並重新壓實

GENERAL ARRANGEMENT OF WORKS
一般的工作安排
SCALE 1:150

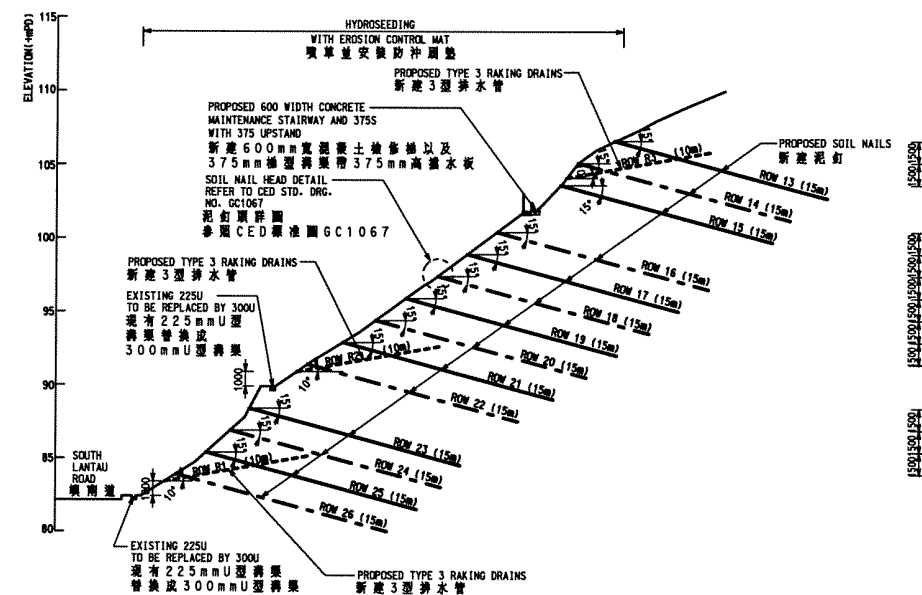


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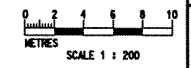


SECTION A-A
 剖面 A-A
 SCALE 1:200



SECTION B-B
 剖面 B-B
 SCALE 1:200

- LEGEND:
 圖例:
- SOIL NAIL ON SECTION
剖面上的泥釘
 - SOIL NAIL OFFSET
並列泥釘
 - PRESRIPTIVE RAKING DRAIN
實用排水管



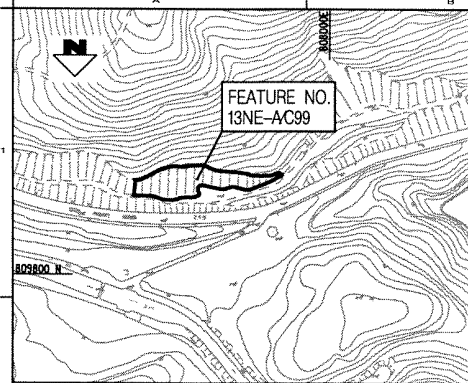
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
	JUNE02		FM
no.	date	description	initial
REVISION			
surveyed	LEUNG SHOU CHUN		MAR.02
designed	ML		MAY02
drawn	AC		MAY02
traced	JL		MAY02
checked	DA		APR.02
approved	Director, Halcrow China Ltd		
file no.	E:\geo\lpm\TRANSLATION\3413P2-CH.dgn		
project no.	AGREEMENT NO. CE402000 10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G 合約編號CE402000 延長十年的防止山泥傾瀉 計劃第二期第G組		
contract	CONTRACT NO. GE2002/17 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS 合約編號GE/2002/17 延長十年的防止山泥傾瀉 計劃第二期第G組 斜坡和牆土牆 防止山泥傾瀉工程		
drawing title	FEATURE No. 13NE-AC98 斜坡編號 13NE-AC98 South Lantau Road, Near Shek Pik Reservoir, Lantau 大嶼山石壘水塘附近 嶼南道		
SECTIONS AND ELEVATION 剖面及剖面圖			
drawing no.	revision	scale	
LPM 0217 / 3413	P2	1:200	

Halcrow
 合眾中國有限公司

Halcrow China Ltd
 Suite 301, 3F
 Cheong Cheong Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office
 WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程樓

CIVIL ENGINEERING
 DEPARTMENT
 HONG KONG
 土木工程署



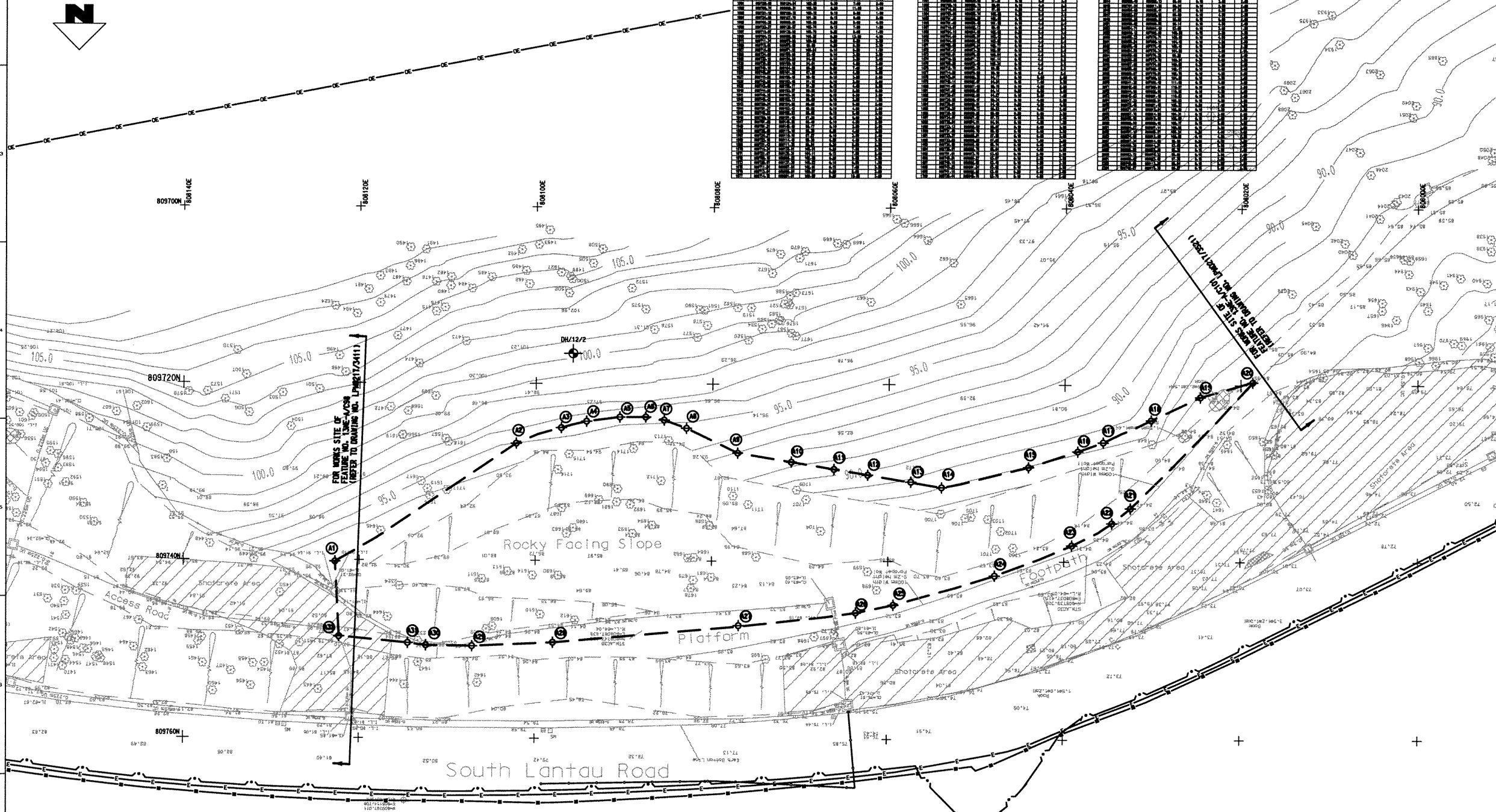
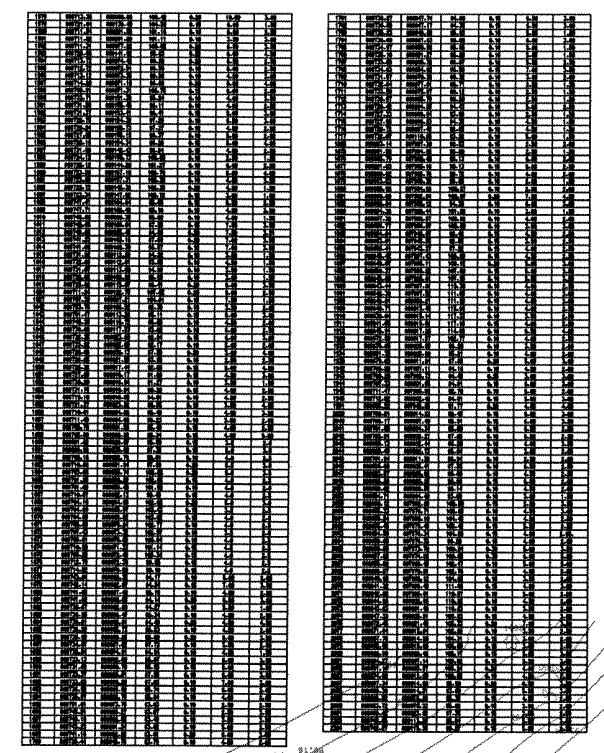
BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)	POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)
A1	808122.7	809740.2	A17	808035.7	809726.5
A2	808102.2	809726.8	A18	808030.3	809724.0
A3	808097.1	809725.0	A19	808024.7	809721.4
A4	808094.3	809724.3	A20	808019.7	809719.7
A5	808090.5	809723.8	A21	808032.5	809733.9
A6	808087.6	809723.8	A22	808034.6	809735.6
A7	808085.5	809724.1	A23	808039.1	809738.2
A8	808083.0	809725.0	A24	808047.9	809741.6
A9	808077.1	809727.8	A25	808059.4	809744.9
A10	808071.0	809728.8	A26	808063.6	809745.8
A11	808066.2	809729.6	A27	808076.9	809747.4
A12	808062.4	809730.3	A28	808099.0	809749.2
A13	808057.5	809731.0	A29	808107.1	809749.7
A14	808054.0	809731.7	A29	808112.4	809749.6
A15	808044.1	809729.3	A31	808114.4	809749.3
A16	808038.5	809727.5	A32	808122.3	809748.6

- LEGEND**
圖例
- FEATURE BOUNDARY 斜紋邊界
 - BOUNDARY OF WORKS SITE 地盤邊界
 - FRESH WATER MAINS 供水管線
 - ELECTRICITY CABLES 現有電線
 - OVERHEAD ELECTRICITY CABLES 架空電線
 - ELECTRICITY CABLES & LIGHT POLE 電線和燈柱
 - STORM WATER DRAIN 雨水管線
 - STORM WATER MANHOLE 雨水井檢査孔
 - TREE AND TREE NO. 樹木和編號
 - LAMP POST 燈柱
 - ROAD SIGN 路標
 - GULLY/GRATING 溝水口
 - SETTING OUT POINT 定位點
 - BOREHOLE 鑽孔

TREE TABLE OF FEATURE NO. 13NE-AC99
樹木表

樹木編號	樹木種類	樹木直徑	樹木高度	樹木位置
1
2
3
4
5
6
7
8
9
10
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- GENERAL NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002-3422-3423-3424-1. STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THIS UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS. NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.

no.	date	description	initial
P2	JUL-02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR-02	FIRST DRAFT FOR GEO'S COMMENT	FN

REVISION

no.	name	date
1	LEUNG SHOU CHUN	MAR-02
2	SURVEYING CONSULTANTS LTD.	APR-02
3	MC	APR-02
4	AC	APR-02
5	JL	APR-02
6	QMC	APR-02

approved: _____
Director, Halcrow China Ltd. Date: _____

Re no. E:\geo\pm\G\TRANSLATION\3421P2-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
延展十年的防止山泥傾瀉計劃第二期第G組

contract CONTRACT NO. GE200217
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
延展十年的防止山泥傾瀉計劃第二期第G組
斜坡和護土牆
防止山泥傾瀉工程

drawing title
FEATURE No. 13NE-AC99
斜紋編號 13NE-AC99
South Lantau Road,
Near Shek Pik Reservoir, Lantau
大嶼山石壁水塘附近
斜紋編號
LOCATION PLAN, PLAN OF EXISTING UTILITIES AND WORKS SITE
平面圖, 現有公共設施和施工場地平面圖

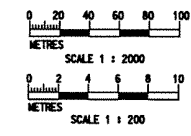
drawing no. LPM 0217 / 3421
revision P2
scale AS SHOWN

Halcrow
合眾中國有限公司

Halcrow China Ltd.
Suite 301, 3/F
Cheungnam Golden Plaza
77 Moody Road, Tsimshatsui East
Kowloon

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程課

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署



PLAN OF EXISTING UTILITIES AND WORKS SITE
現有公共設施和施工場地平面圖
SCALE 1:2000

SOIL NAILS SCHEDULE
泥釘表

ROW	SOIL NAIL HEAD LEVEL (mPD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭高度	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定總數
1	94.0	6	2000	15	25	100	5
2	92.0	6	2000	15	25	100	14
3	90.0	6	2000	15	25	100	12
4	92.0	10	2000	15	25	100	7
5	90.0	10	2000	15	25	100	10
6	88.0	10	2000	15	25	100	14
7	86.0	10	2000	15	25	100	26
8	84.0	10	2000	15	25	100	13

SETTING OUT INFORMATION FOR SOIL NAILS
泥釘定位坐標

POINT	EASTING (m)	NORTHING (m)	LEVEL (mPD)
泥釘號	東 (m)	北 (m)	標高
S1	808100.9	809728.8	94.0
S2	808099.9	809730.7	92.0
S3	808100.9	809732.7	90.0
S4	808085.9	809729.6	92.0
S5	808084.9	809731.3	90.0
S6	808085.8	809733.0	88.0
S7	808077.0	809737.3	86.0
S8	808059.8	809739.2	84.0

RAKING DRAINS SCHEDULE
水平排水管表

ROW	RAKING DRAINS LEVEL	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管標高	長度	暫定水平間距	水平夾角	型號	總數
R1	1000 ABOVE SLOPE TDE	7	3000	10	3	30
R2	1000 ABOVE SLOPE TDE	7	3000	10	3	5

PULL OUT TEST SCHEDULE
試驗釘表

MAIL NO.	MAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
試驗釘編號	長度	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P3	6	180	25	100
P4-P9	10	180	25	100

GENERAL NOTES

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- ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
- THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
- A TEMPORARY CHAIN LINK FENCE IS TO BE CONSTRUCTED AT BOTH ENDS OF THE SLOPE TDE AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NO. C1006. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
- NO TREES AND FERNS SHALL BE FELLED WITHOUT APPROVED OF THE ENGINEER IN WRITING. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES.
- REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.

no.	date	description	initial
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	FW

REVISION	name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD.	MAR.02
designed	WC	APR.02
drawn	AC	APR.02
checked	JL	APR.02
approved	GMG	APR.02

file no: E:\geot\p\TRANSLATION\3422P2-CH.dgn
 project no: AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
 合約編號CE402000
 延續十年的防止山泥傾瀉計劃第二期工程
 contract: CONTRACT NO. GE200217
 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
 LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
 合約編號GE2002/17
 延續十年的防止山泥傾瀉計劃第二期工程
 斜坡和護土牆防止山泥傾瀉工程

drawing title: FEATURE No. 13NE-AC99
 斜坡編號 13NE-AC99
 South Lantau Road,
 Near Shek Pik Reservoir, Lantau
 大嶼山石壘水壩附近
 南道

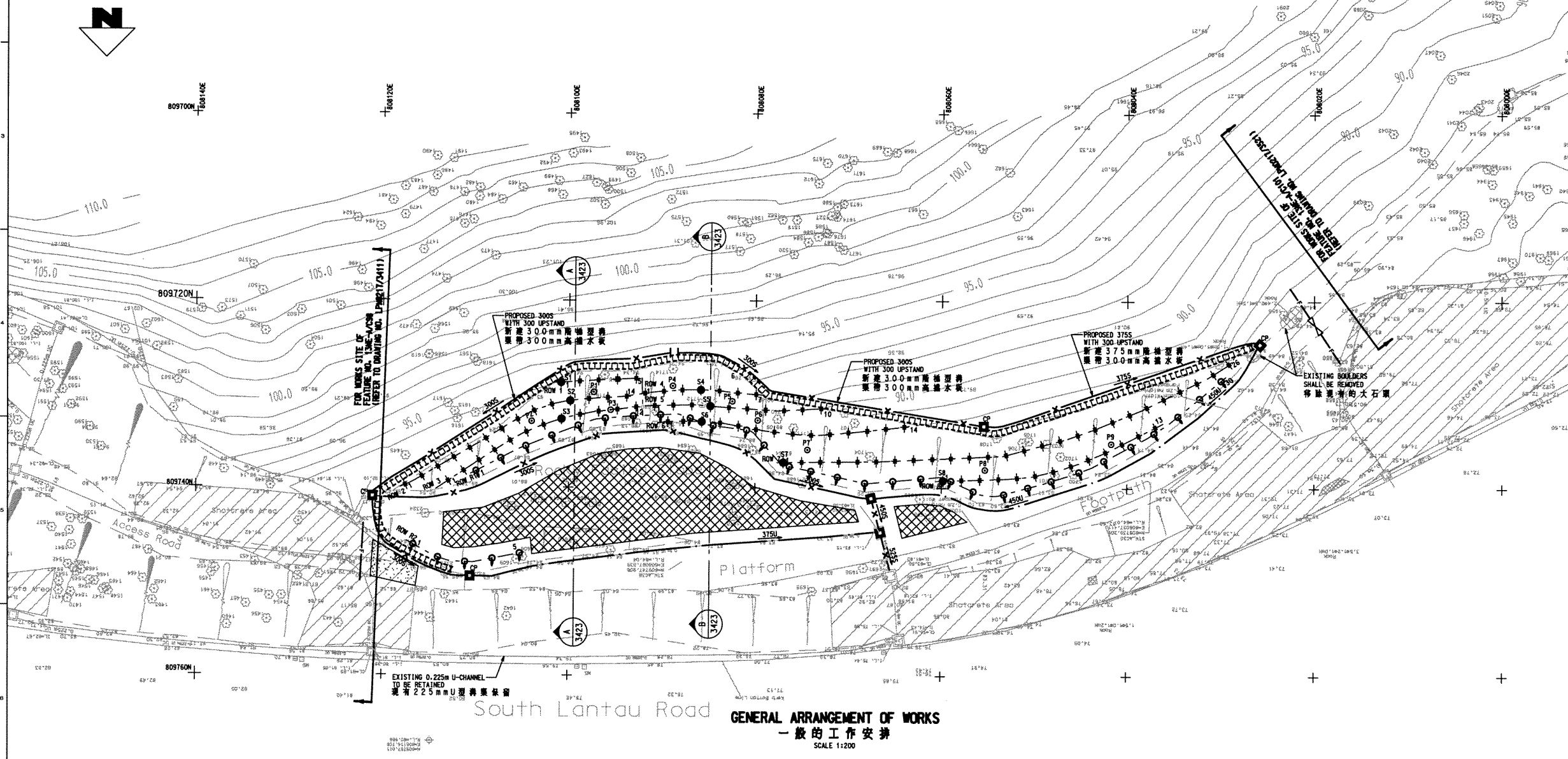
GENERAL ARRANGEMENT OF WORKS
一般的工作安排

drawing no.	revision	scale
LPM 0217 / 3422	P2	1:200

Halcrow
 合眾中國有限公司
 Halcrow China Ltd.
 Suite 301, 36
 Chesterton, Golden Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office: WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程課

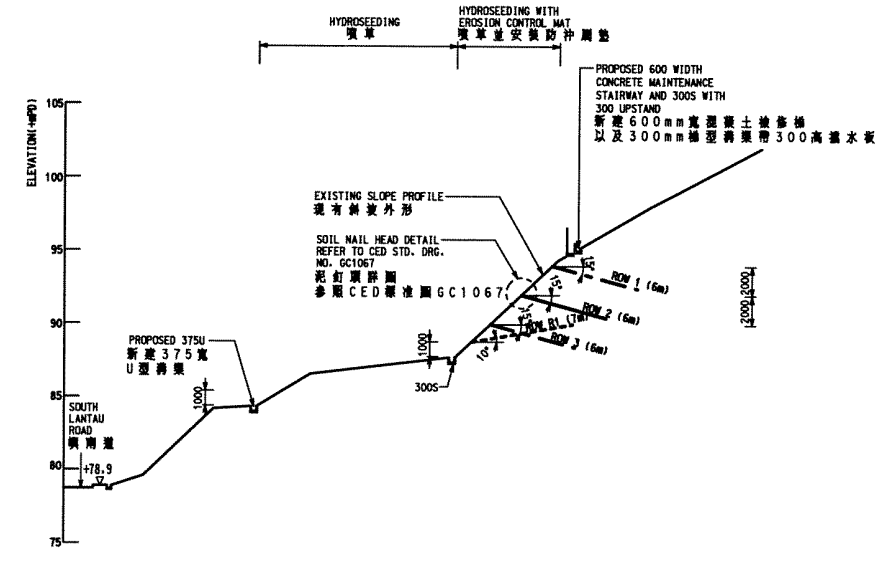
CIVIL ENGINEERING DEPARTMENT
 HONG KONG
 土木工程署



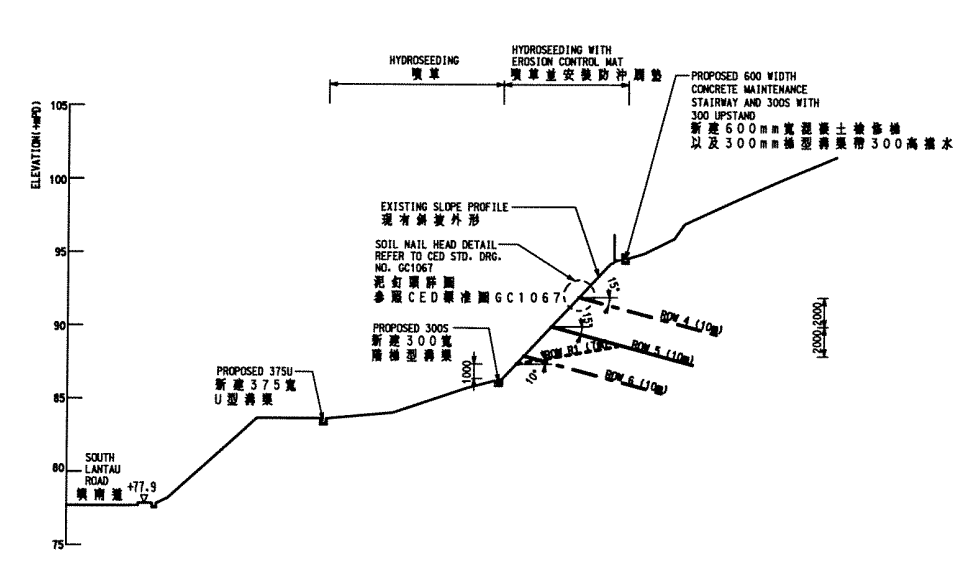
LEGEND
圖例

CROSS SECTION 剖面圖	PROPOSED SOIL NAIL LOCATION 新設泥釘位置	PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C) 新設排水井 (參閱CED標準圖C2405C)	PROPOSED U-CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新設U型溝渠和磚石護坡及流向	TEMPORARY CHAIN LINK FENCE (REFER TO CED STD. DRG. NO. C1006) 臨時圍欄 (參閱CED標準圖C1006)	EXISTING SHOTCRETE TO BE REPLACED BY HYDROSEEDING WITH EROSION CONTROL MAT 須被更新的噴射混凝土 須用草籽和保土材料覆蓋
PROPOSED PULL OUT TEST MAIL 試驗泥釘	PROPOSED RAKING DRAINS (TYPE 3) (ORIENTATION OF DRAIN SHOWS DIRECTION OF FLOW) 新設排水管(3型), 排水方向如箭頭所示	SITE ACCESS 地盤入口	PROPOSED STEPPED CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新設石護坡階梯型溝渠及流向	SOIL NAIL ZONE BOUNDARY 泥釘邊界	AREA TO BE FENCED OFF AND PROTECTED USING CHAIN LINK FENCE (REFER TO CED STD. DRG. NO. C1006) DURING THE WORKS. EXACT EXTENT SHALL BE AGREED WITH THE ENGINEER ON SITE. 臨時圍欄, 填覆範圍由工程師現場確定 (參閱CED標準圖C1006)
SOIL NAIL SETTING OUT POINT 泥釘定位點	LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. GC1058B) 可以上鎖的維修梯門 (參閱CED標準圖GC1058B)	DRAINAGE WATERSHED 排水分水嶺	PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE (REFER TO GE 0217/1) 新設混凝土維修梯, 下邊的一邊設有扶手 (參閱GE 0217/1)		

GENERAL NOTES
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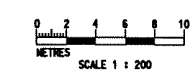


SECTION A-A
 剖面 A-A
 SCALE 1:100



SECTION B-B
 剖面 B-B
 SCALE 1:100

- LEGEND
 圖例
- SOIL NAIL ON SECTION 剖面上的泥釘
 - SOIL NAIL OFFSET 直列泥釘
 - PRESCRIPTIVE RAKING DRAIN 慣用排水管



P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	FM
no.	date	description	initial
REVISION			
surveyed	LEUNG SHU CHUN	SURVEYING CONSULTANTS LTD.	MAR.02
designed	WC		APR.02
drawn	AC		APR.02
traced	JL		APR.02
checked	ONG		APR.02
approved	Director, Halcrow China Ltd.		

file no. E:\geo\1\pmg\TRANSLATION\3423P2-CH.dgn
 project no. AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
 合約編號CE40/2000
 延續十年的防止山泥傾瀉計劃第二期第G組
 contract CONTRACT NO. GE2002/17
 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
 LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
 合約編號GE/2002/17
 延續十年的防止山泥傾瀉計劃第二期第G組
 斜坡和擋土牆防止山泥傾瀉工程

drawing title
 FEATURE No. 13NE-AC99
 斜坡編號 13NE-AC99
 South Lantau Road,
 Near Shek Pik Reservoir, Lantau
 大嶼山石壩水塘附近
 嶼南道

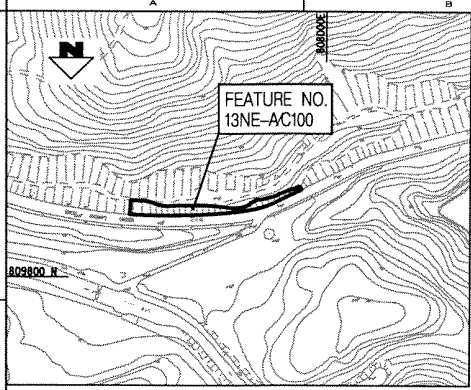
WORKS DETAILS AND SECTIONS
 詳圖和剖面圖

drawing no.	revision	scale
LPM 0217 /3423	P2	1:200

Halcrow
 合眾中國有限公司
 Halcrow China Ltd.
 Suite 303, 3/F
 Cheong Cheong Golden Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office
 WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程課

CIVIL ENGINEERING DEPARTMENT
 HONG KONG
 土木工程署



LOCATION PLAN
平面定位圖
SCALE 1:2000

BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

POINT NO.	EASTING(m)	NORTHING(m)	POINT NO.	EASTING(m)	NORTHING(m)
A1	808122.1	809747.3	A12	808021.0	809721.8
A2	808114.4	809749.3	A13	808008.7	809740.3
A3	808112.4	809749.6	A14	808022.4	809747.3
A4	808107.1	809749.7	A15	808030.7	809750.7
A5	808100.1	809749.3	A16	808041.4	809754.8
A6	808067.0	809746.2	A17	808052.4	809757.9
A7	808059.5	809744.6	A18	808061.4	809759.5
A8	808049.0	809741.5	A19	808071.7	809760.7
A9	808042.5	809739.3	A20	808072.0	809757.8
A10	808035.2	809734.8	A21	808092.8	809758.7
A11	808028.6	809729.2	A22	808122.9	809758.5

- LEGEND**
- FEATURE BOUNDARY
 - BOUNDARY OF WORKS SITE
 - FRESH WATER MAINS
 - ELECTRICITY CABLES
 - OVERHEAD ELECTRICITY CABLES
 - ELECTRICITY CABLES & LIGHT POLE
 - STORM WATER DRAIN
 - STORM WATER MANHOLE
 - TREE AND TREE NO.
 - LAMP POST
 - ROAD SIGN
 - GULLY/GRATING
 - SETTING OUT POINT

TREE TABLE OF FEATURE NO. 13NE-A/C100
樹木表

NO.	TRUNK	DBH	HT	SP	COND	REMARKS
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2	1	100	10	1	1	
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100	1	100	10	1	1	

- GENERAL NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM217/002/3512, 3513, 3511 STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
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 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.

no.	date	description	initial
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	FM

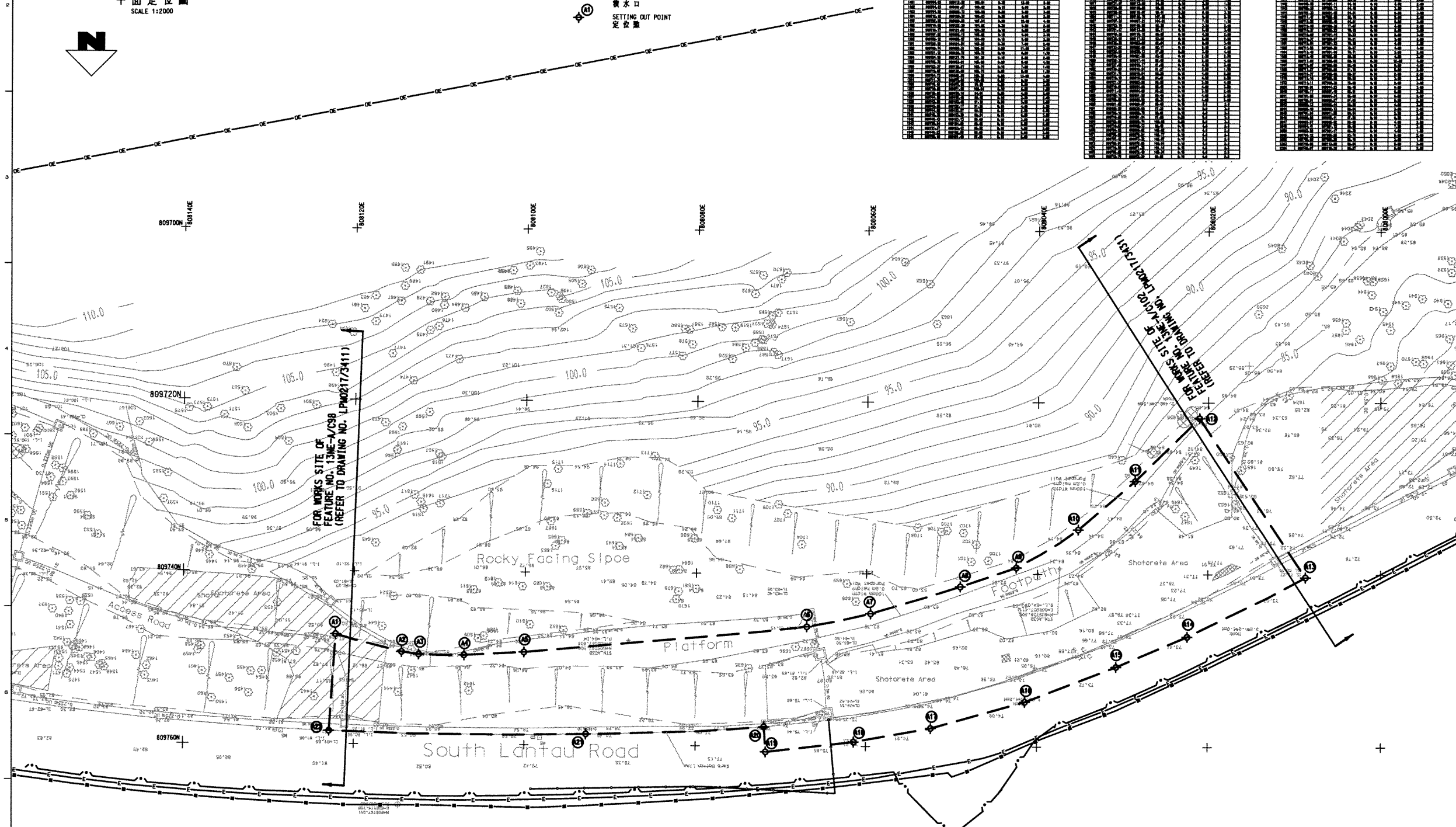
name	date
surveyed	LEUNG SHOU CHUN
designed	WC
drawn	AC
checked	JL
approved	GMG

drawing title
FEATURE NO. 13NE-AC100
 地盤編號 13NE-AC100
 South Lantau Road,
 Near Shek Pik Reservoir, Lantau
 大嶼山石壁水塘附近
 填海區
LOCATION PLAN, PLAN OF EXISTING UTILITIES AND WORKS SITE
 平面圖、現有公共設施和
 施工場地平面圖

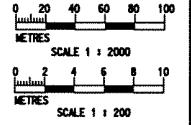
Halcrow
 合榮中國有限公司

office
 WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程學

CIVIL ENGINEERING
 DEPARTMENT
 HONG KONG
 土木工程署



PLAN OF EXISTING UTILITIES AND WORKS SITE
 現有公共設施和施工場地平面圖
 SCALE 1:200



SOIL NAILS SCHEDULE

ROW	SOIL NAIL HEAD LEVEL (+HFD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭標高	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定總數
1	82.6	8	2000	15	25	100	24
2	80.6	8	2000	15	25	100	25
3	78.6	8	2000	15	25	100	25

PULL OUT TEST SCHEDULE

NAIL NO.	NAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
試驗釘編號	長度	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P4	8	180	25	100

RAKING DRAINS SCHEDULE

ROW	RAKING DRAINS LEVEL (+HFD)	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管標高	長度	暫定水平間距	水平夾角	類型	總數
R1	800 ABOVE TOE FOR ROCK PORTION AND 4300 ABOVE TOE FOR VEGETATED SOIL SLOPE PORTION	7	4000	10	3	23
R2	1000 ABOVE SLOPE TOE	7	4000	10	3	12

SETTING OUT INFORMATION FOR SOIL NAILS

POINT	EASTING (m)	NORTHING (m)	LEVEL (+HFD)
泥釘定位點	東 (m)	北 (m)	標高
S1	808077.2	809752.5	82.6
S2	808078.1	809754.3	80.6
S3	808077.0	809756.0	78.6

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3511-3513-L3511, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
- THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
- A TEMPORARY CHAIN LINK FENCE AND A TEMPORARY SAFETY FENCE (TYPE C) ARE TO BE CONSTRUCTED ALONG THE SLOPE CREST AND TOE RESPECTIVELY AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NO. C1006 AND C21062. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
- NO TREE SHALL BE FELLED WITHOUT APPROVAL OF THE ENGINEER IN WRITING. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES AT THE CREST.
- EXISTING SHOTCRETE SHALL BE REMOVED FROM WHOLE SLOPE. ERECTION OF INSPECTION SCAFFOLDING SHALL BE CARRIED OUT IMMEDIATELY AFTER REMOVAL OF SHOTCRETE. THE CONTRACTOR SHALL GIVE 2 WEEKS ADVANCE NOTICE TO THE ENGINEER FOR AVAILABILITY OF THE INSPECTION SCAFFOLDING. THE CONTRACTOR IS TO ALLOW A 4 WEEKS PERIOD FOR ROCK JOINT MAPPING AND INSTRUCTION ROCK SLOPE STABILIZATION WORKS BY THE ENGINEER.
- REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.

no.	date	description	initial
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	FM

REVISION	name	date
surveyed	LEUNG SHOU CHUN	MAR.02
designed	MC	APR.02
drawn	AC	APR.02
checked	MI	APR.02
approved	CMC	APR.02

Re no. E:\gco\p\g\TRANSLATION\3512P2-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
第十年的防止山泥傾瀉
計劃第二期工程

contract CONTRACT NO. GE/2002/17
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
第十年的防止山泥傾瀉
計劃第二期工程
鋼架和鋼土牆
防止山泥傾瀉工程

drawing title FEATURE No. 13NE-AC100
鋼架鋼土牆 13NE-AC100
South Lantau Road,
Near Shek Pik Reservoir, Lantau
大嶼山石壁水塘附近
鋼架鋼土牆

GENERAL ARRANGEMENT OF WORKS
一般的工作安排

drawing no. LPM 0217 / 3512

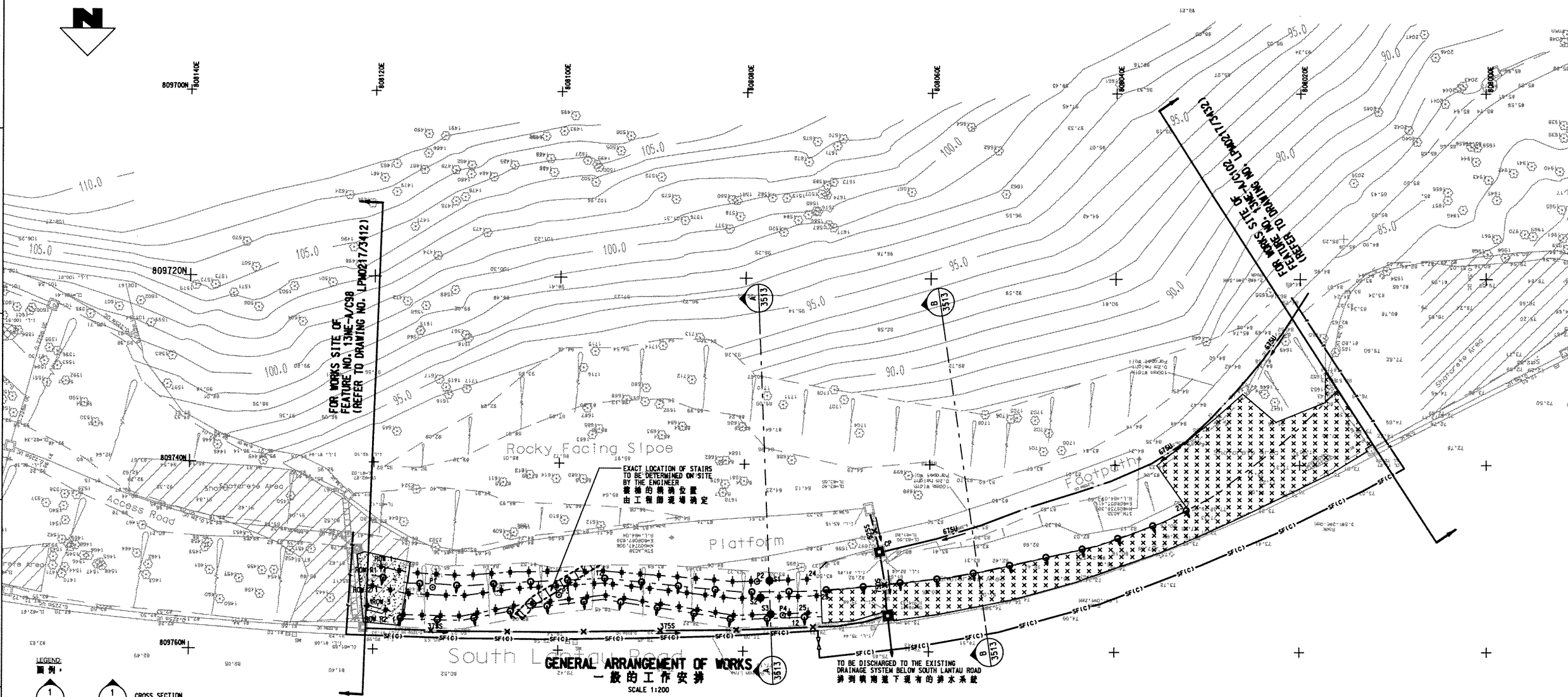
revision P2

scale 1:200

Halcrow
Halcrow China Ltd.
Suite 301, 3F
Chowmei Golden Plaza
77 Moody Road, Tsimshatsui East
Kowloon

office WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程室

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署

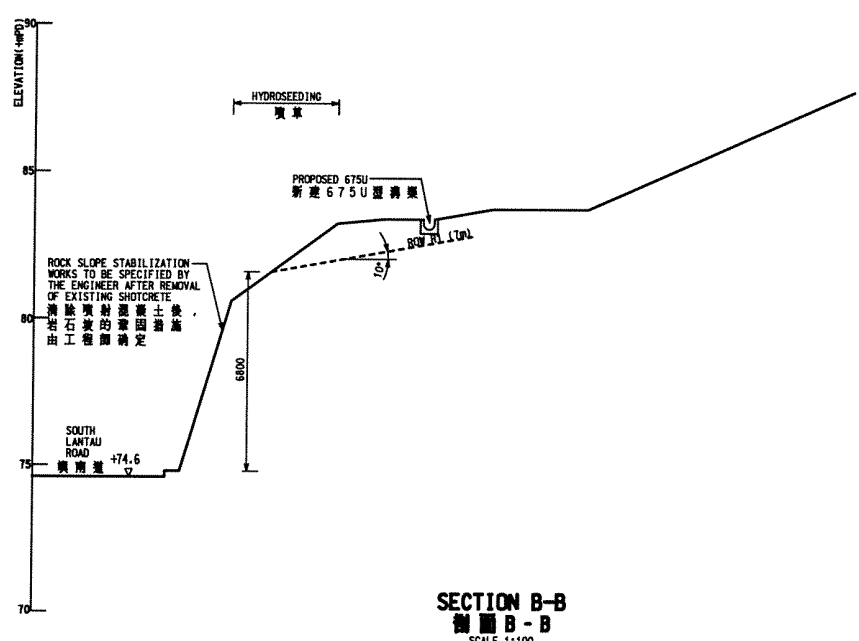
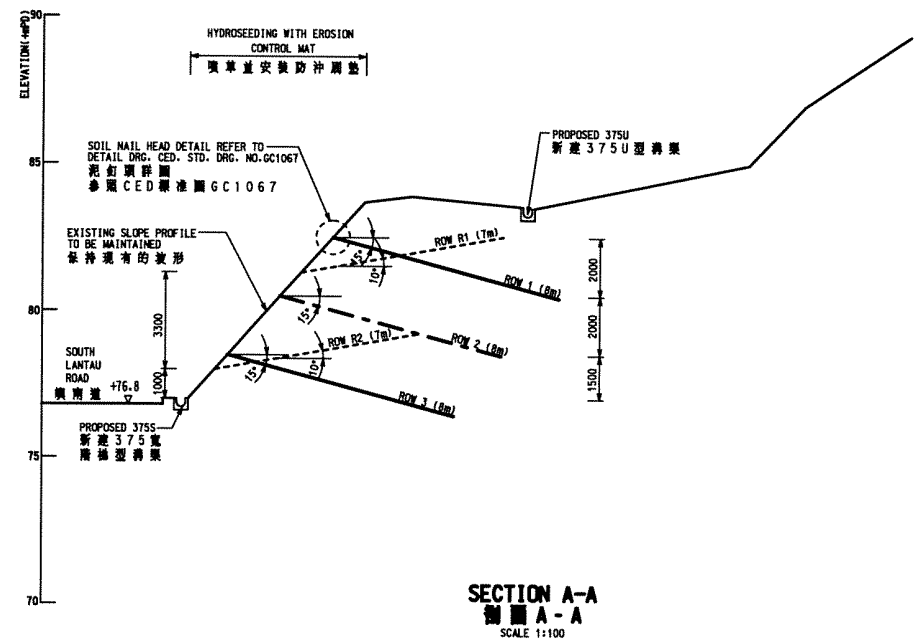


LEGEND

	PROPOSED SOIL NAIL LOCATION 新設泥釘位置		PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C) 新設集水井 (參閱CED標準圖C2405C)		PROPOSED U-CANAL WITH DIRECTION OF FALL AND MASONRY FACING 新設U型溝渠及定向和磚石面		EXISTING SHOTCRETE TO BE REPLACED BY HYDROSEEDING WITH EROSION CONTROL MAT 替換現有的噴射瀉土 噴草並重新安裝防沖牆
	PROPOSED PULL OUT TEST NAIL 新設拔力試驗釘		PROPOSED CATCHPIT WITH PRECAST CONCRETE COVER (REFER TO CED STD. DRG. NOS. C2405C AND C2407) 新設帶預製混凝土蓋子集水井 (參閱CED標準圖C2405C和C2407)		PROPOSED STEPPED CHANNEL WITH DIRECTION OF FALL AND MASONRY FACING 新設階梯型溝渠及定向和磚石面		ROCK SLOPE STABILIZATION MEASURES TO BE SPECIFIED FOLLOWING INSPECTION BY THE ENGINEER AFTER REMOVAL OF EXISTING SHOTCRETE. 清除現有的噴射瀉土和架設掛手架以後， 岩石坡的加固措施由工程師確定
	PROPOSED RAKING DRAINS (TYPE 3) (ORIENTATION OF DRAIN SHOWS DIRECTION OF DRAIN) 新設排水管 (排水方向如圖所示) (3型)		LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. G1058B) 可上鎖的維修樓梯 (參閱CED標準圖G1058B)		TEMPORARY CHAIN LINK FENCE (REFER TO CED STD. DRG. NO. C1006) 臨時圍欄 (參閱CED標準圖C1006)		PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE (REFER TO GE0217/1) 新設瀉土牆維修樓梯，並在下坡的一邊設有扶手的階梯型溝渠 (參閱GE0217/1)
	SOIL NAIL SETTING OUT POINT 泥釘定位點		TEMPORARY SAFETY FENCE TYPE C (REFER TO CED STD. DRG. NO. G1062) 臨時安全圍欄 (參閱CED標準圖G1062)		ACCESS ROAD 進出口		

SCALE 1:200

A B C D E F G H



GENERAL NOTES
 1-THESE DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3511, 3512 L3511, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 2-ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 3-ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.

P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	FN
no.	date	description	initial
REVISION			
surveyed	LEUNG SHOU CHUN		MAR.02
designed	MC		APR.02
drawn	AC		APR.02
traced	MH		APR.02
checked	ONG		APR.02
approved	Director, Halcrow China Ltd. Date: _____		

file no. E:\geo\1\pmG\TRANSLATION\3513P2-CH.dgn
 project no. AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT -
 PHASE 2, PACKAGE G -
 合約編號CE40/2000
 延續十年的防止山泥傾瀉
 計劃第二階段工程
 contract CONTRACT NO. GE200247
 10-YEAR EXTENDED LPM PROJECT
 PHASE 2, PACKAGE G -
 LANDSLIP PREVENTIVE WORKS
 FOR SLOPES AND RETAINING WALLS
 合約編號GE/2002/17
 延續十年的防止山泥傾瀉
 計劃第二階段工程
 斜坡和牆土牆
 防止山泥傾瀉工程

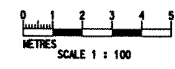
drawing title
 FEATURE No. 13NE-AC100
 斜坡編號 13NE-AC100
 South Lantau Road,
 Near Shek Pik Reservoir, Lantau
 大嶼山石壁水塘附近
 橫南道
 SECTIONS AND ELEVATION
 剖面圖和標高圖
 drawing no. LPM 0217 / 3513
 revision P2
 scale 1:100

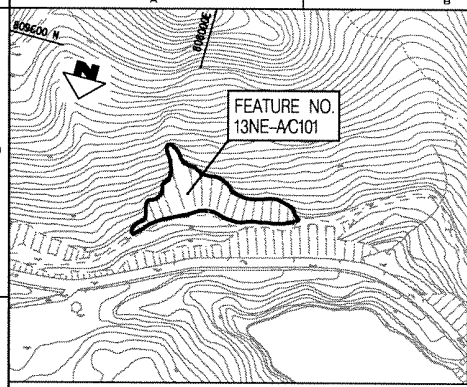
Halcrow
 合眾中國有限公司
 Halcrow China Ltd.
 Suite 301, 3/F
 Chuanzhen Golden Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office
 WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程部

 CIVIL ENGINEERING
 DEPARTMENT
 HONG KONG
 土木工程署

LEGEND:
 圖例
 ———— SOIL NAIL ON SECTION
 剖面上的泥釘
 - - - - - SOIL NAIL OFFSET
 并列泥釘
 - - - - - PRESCRIPTIVE RAKING DRAIN
 實用排水管





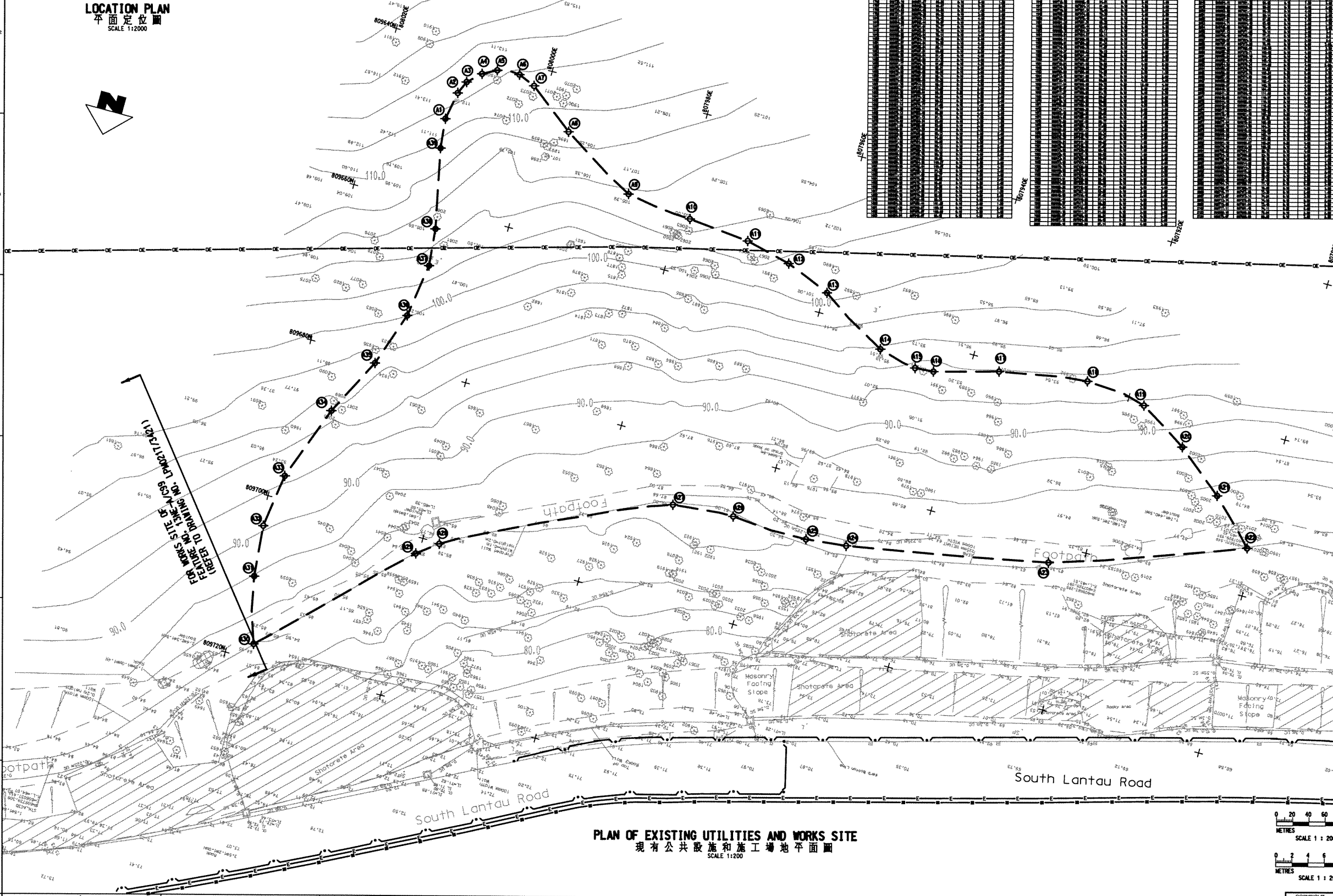
BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)	POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)	POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)
A1	808011.1	809649.1	A14	807951.4	809662.4	A27	807971.2	809687.8
A2	808010.5	809645.6	A15	807946.6	809663.5	A28	807997.9	809700.1
A3	808009.8	809644.0	A16	807944.3	809663.3	A29	808000.4	809702.0
A4	808008.2	809642.6	A17	807936.4	809661.1	A30	808016.9	809718.1
A5	808006.5	809641.6	A18	807925.5	809659.4	A31	808019.0	809710.0
A6	808003.8	809641.4	A19	807917.9	809660.5	A32	808019.6	809703.7
A7	808001.7	809642.3	A20	807912.0	809664.2	A33	808018.7	809697.1
A8	807996.0	809646.6	A21	807906.2	809668.9	A34	808015.3	809687.8
A9	807986.8	809652.1	A22	807901.0	809674.2	A35	808011.6	809680.6
A10	807978.6	809653.1	A23	807924.2	809682.3	A36	808009.2	809673.9
A11	807970.9	809653.8	A24	807949.0	809687.0	A37	808008.3	809667.2
A12	807965.3	809655.1	A25	807954.0	809687.5	A38	808008.7	809662.6
A13	807959.7	809657.4	A26	807963.5	809687.2	A39	808008.3	809661.7

- LEGEND**
圖例
- FEATURE BOUNDARY 斜坡邊界
 - BOUNDARY OF WORKS SITE 地盤邊界
 - FRESH WATER MAINS 供水管道
 - ELECTRICITY CABLES 現有電線
 - OVERHEAD ELECTRICITY CABLES 高壓電線
 - ELECTRICITY CABLES & LIGHT POLE 電線和燈柱
 - STORM WATER MANHOLE 雨水井檢蓋孔
 - ⊙ 250 TREE AND TREE NO. 樹木和編號
 - ⊙ LAMP POST 燈柱
 - ⊙ ROAD SIGN 路牌
 - ⊙ GULLY/GRATING 排水口
 - ⊙ SETTING OUT POINT 定位點

LINE TABLE OF FEATURE NO. 13NE-AC101

LINE NO.	START POINT	END POINT	DESCRIPTION
1	A1	A2	BOUNDARY OF WORKS SITE
2	A2	A3	BOUNDARY OF WORKS SITE
3	A3	A4	BOUNDARY OF WORKS SITE
4	A4	A5	BOUNDARY OF WORKS SITE
5	A5	A6	BOUNDARY OF WORKS SITE
6	A6	A7	BOUNDARY OF WORKS SITE
7	A7	A8	BOUNDARY OF WORKS SITE
8	A8	A9	BOUNDARY OF WORKS SITE
9	A9	A10	BOUNDARY OF WORKS SITE
10	A10	A11	BOUNDARY OF WORKS SITE
11	A11	A12	BOUNDARY OF WORKS SITE
12	A12	A13	BOUNDARY OF WORKS SITE
13	A13	A14	BOUNDARY OF WORKS SITE
14	A14	A15	BOUNDARY OF WORKS SITE
15	A15	A16	BOUNDARY OF WORKS SITE
16	A16	A17	BOUNDARY OF WORKS SITE
17	A17	A18	BOUNDARY OF WORKS SITE
18	A18	A19	BOUNDARY OF WORKS SITE
19	A19	A20	BOUNDARY OF WORKS SITE
20	A20	A21	BOUNDARY OF WORKS SITE
21	A21	A22	BOUNDARY OF WORKS SITE
22	A22	A23	BOUNDARY OF WORKS SITE
23	A23	A24	BOUNDARY OF WORKS SITE
24	A24	A25	BOUNDARY OF WORKS SITE
25	A25	A26	BOUNDARY OF WORKS SITE
26	A26	A27	BOUNDARY OF WORKS SITE
27	A27	A28	BOUNDARY OF WORKS SITE
28	A28	A29	BOUNDARY OF WORKS SITE
29	A29	A30	BOUNDARY OF WORKS SITE
30	A30	A31	BOUNDARY OF WORKS SITE
31	A31	A32	BOUNDARY OF WORKS SITE
32	A32	A33	BOUNDARY OF WORKS SITE
33	A33	A34	BOUNDARY OF WORKS SITE
34	A34	A35	BOUNDARY OF WORKS SITE
35	A35	A36	BOUNDARY OF WORKS SITE
36	A36	A37	BOUNDARY OF WORKS SITE
37	A37	A38	BOUNDARY OF WORKS SITE
38	A38	A39	BOUNDARY OF WORKS SITE



- GENERAL NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3522-3523, 3521-3522 STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THIS UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS. NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.

no.	date	description	initial
P1	APR.02	FIRST DRAFT FOR GEO'S COMMENT	

REVISION

no.	name	date
surveyed	LEUNG SHOU CHUN	MAR.02
designed	VC	APR.02
drawn		
traced	JL	APR.02
checked	GNG	APR.02

approved: _____
Director, Halcrow China Ltd.
Date: _____

file no. E:\gco\ipm\TRANSLATION\3521P1-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT -
PHASE 2, PACKAGE G
合約編號CE402000
延續十年的防止山泥傾瀉
計劃第二階段工程

contract CONTRACT NO. GE200247
10-YEAR EXTENDED LPM PROJECT
PHASE 2, PACKAGE G -
LANDSLIP PREVENTIVE WORKS
FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
延續十年的防止山泥傾瀉
計劃第二階段工程
斜坡和護土牆
防止山泥傾瀉工程

drawing title
FEATURE No. 13NE-AC101
斜坡編號 13NE-AC101
Shek Pik Reservoir, Lantau Island
大嶼山石壘水壩

LOCATION PLAN, PLAN OF EXISTING UTILITIES AND WORKS SITE
位置圖, 現有公共設施及
施工場地平面圖

drawing no. LPM 0217 / 3521
revision P1
scale AS SHOWN

Halcrow
合眾中國有限公司

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程師

CIVIL ENGINEERING
DEPARTMENT
HONG KONG
土木工程署

SCALE 1 : 2000
SCALE 1 : 200

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SOIL NAILS SCHEDULE
泥釘表

ROW	SOIL NAIL HEAD LEVEL (mPD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭高度	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定總數
1	83.0	7	2000	15	25	100	17
2	87.0	7	2000	15	25	100	19
3	97.0	7	2000	15	25	100	11
4	95.0	7	2000	15	25	100	14
5	93.0	7	2000	15	25	100	14
6	91.0	7	2000	15	25	100	14
7	95.0	10	2000	15	25	100	10
8	93.0	10	2000	15	25	100	12
9	91.0	10	2000	15	25	100	15

RAKING DRAINS SCHEDULE
水平排水管表

ROW	RAKING DRAINS LEVEL	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管高度	長度	暫定水平間距	水平夾角	型號	總數
R1	1000 ABOVE SLOPE TOE	8	4000	10	3	30

PULL OUT TEST SCHEDULE
試驗釘表

MAIL NO.	MAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
實驗釘編號	長度	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P6	10	180	25	100
P7-P9	9	180	25	100

SETTING OUT INFORMATION FOR SOIL NAILS
泥釘定位座標

POINT	EASTING (m)	NORTHING (m)	LEVEL (mPD)
點號	東 (m)	北 (m)	高度
S1	807938.4	809671.7	89.0
S2	807936.4	809675.8	87.0
S3	807971.9	809663.5	97.0
S4	807969.8	809666.0	95.0
S5	807969.5	809669.5	93.0
S6	807967.3	809672.4	91.0
S7	808002.7	809678.8	95.0
S8	808000.3	809680.8	93.0
S9	807999.0	809684.9	91.0

GENERAL NOTES

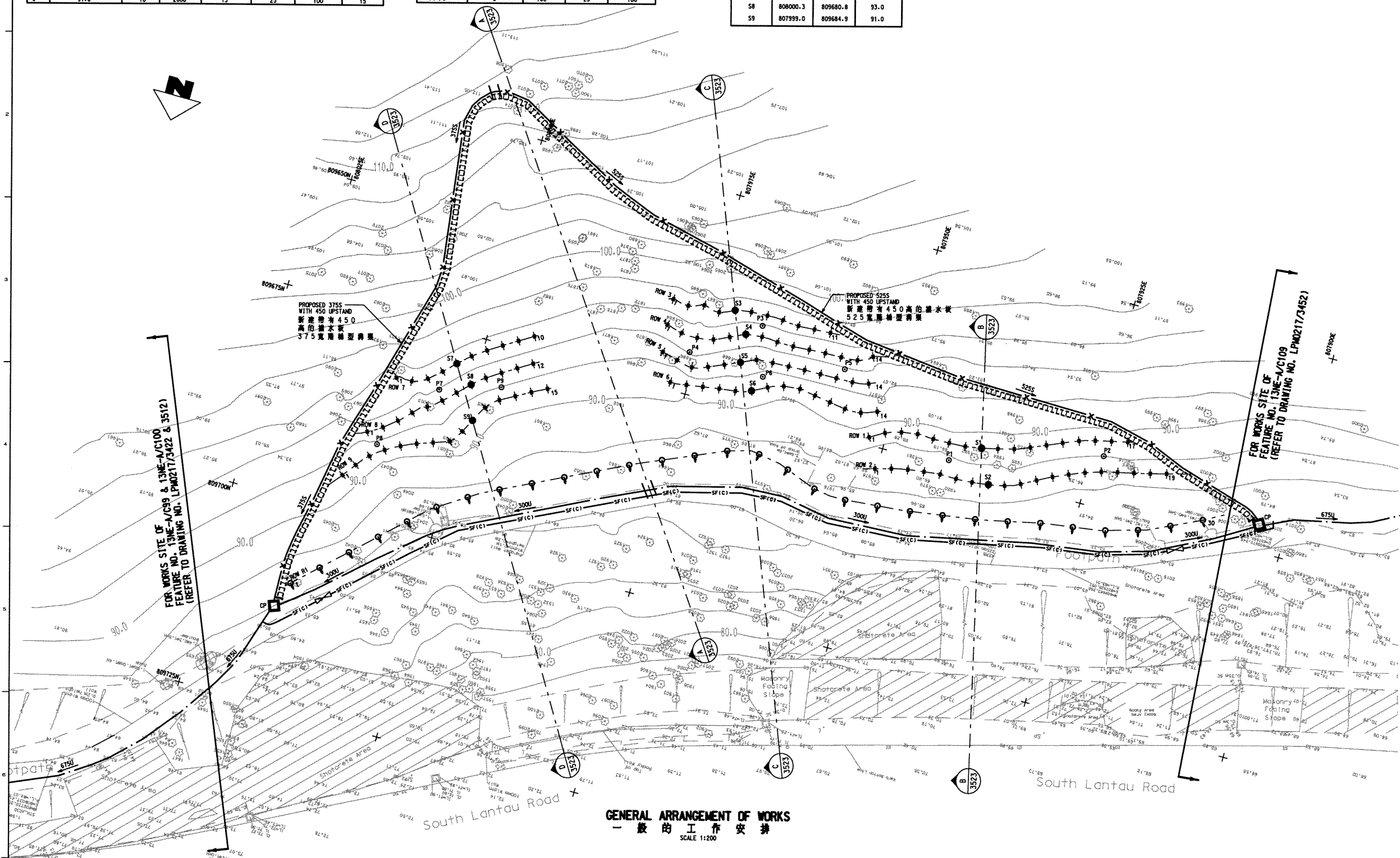
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217, 3521, 3523, L3521, L3522, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
- THE EXACT BOUNDARY OF THE WORK SITE SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
- A CHAIN LINK FENCE IS TO BE CONSTRUCTED ALONG THE SLOPE AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NO. C1006. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
- NO TREE FELLING IS PERMITTED DURING THE WORKS BY THE CONTRACTOR OR OTHER PARTIES ON SITE. TREE FELLING SHALL ONLY BE CARRIED OUT IN ACCORDANCE WITH TREE FELLING PLAN AS SHOWN IN DRAWING NO. LPM0217/L3521 THEREFORE, THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES AT THE CREST.
- EXISTING SHOTCRETE SHALL BE REMOVED FROM WHOLE SLOPE. ERECTION OF INSPECTION SCAFFOLDING SHALL BE CARRIED OUT IMMEDIATELY AFTER REMOVAL OF SHOTCRETE. THE CONTRACTOR SHALL GIVE 2 WEEKS ADVANCE NOTICE TO THE ENGINEER FOR AVAILABILITY OF THE INSPECTION SCAFFOLDING. THE CONTRACTOR IS TO ALLOW A 4 WEEK PERIOD FOR ROCK JOINT MAPPING AND INSTRUCTION ROCK SLOPE STABILIZATION WORKS BY THE ENGINEER.

no.	date	description	initial
P1	JUL 02	FIRST DRAFT FOR GEO'S COMMENT	

name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD. MAR.02
designed	ML JUL.02
drawn	JUL.02
checked	CMG JUL.02
approved	

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 project no. AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
 合約編號CE402000
 延緩十年的防止山泥傾瀉計劃第二期第G區
 contract CONTRACT NO. GE2002/17
 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
 LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
 合約編號GE/2002/17
 延緩十年的防止山泥傾瀉計劃第二期第G區
 斜坡和護土牆
 防止山泥傾瀉工程
 drawing title FEATURE No. 13NE-AC101
 斜壁編號 13NE-AC101
 Shek Pik Reservoir, Lantau Island
 大嶼山石壙水塘
 GENERAL ARRANGEMENT OF WORKS
 一般的工作安排
 drawing no. LPM 0217 / 3522 P1
 revision 1
 scale 1:200

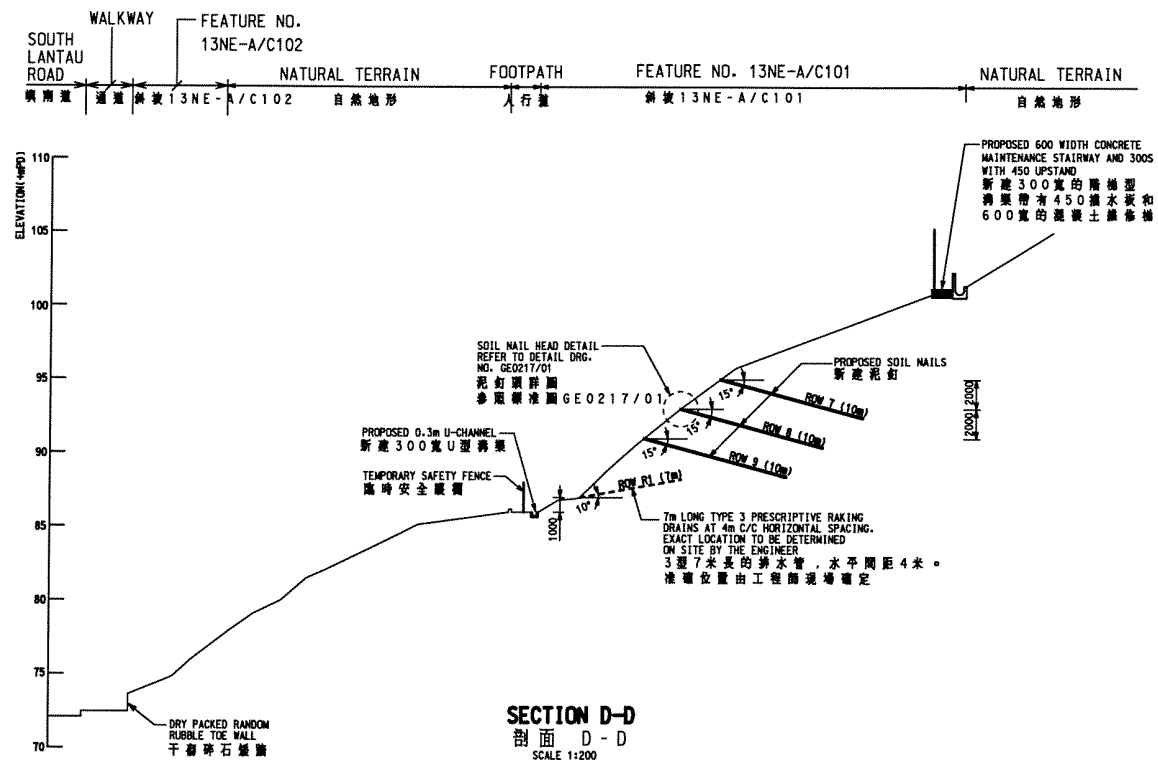
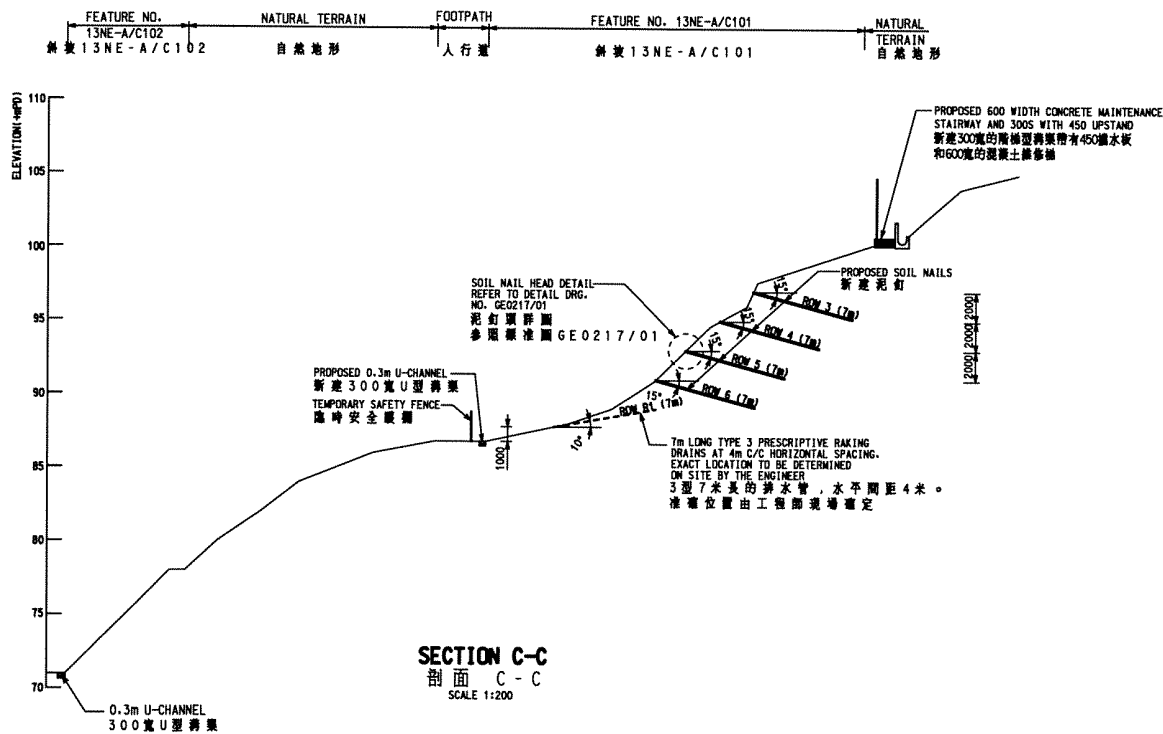
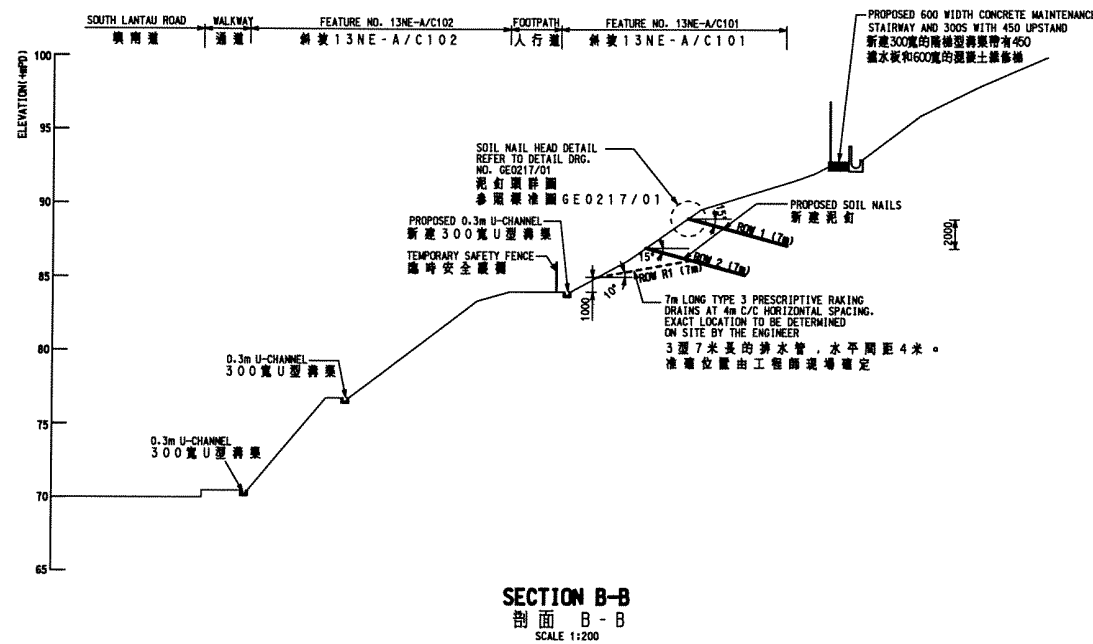
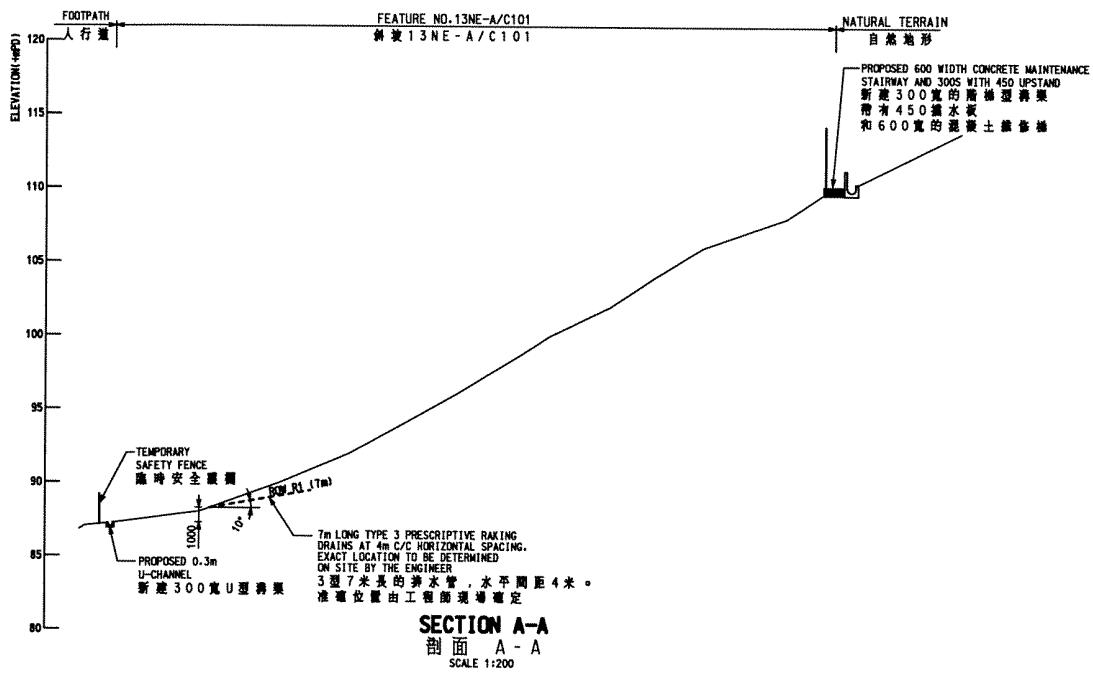
Halcrow
 合豐中國有限公司
 Halcrow China Ltd.
 Suite 301, 3/F
 Chiu Cheung Golden Plaza
 77 Moody Road, Tsimshatsui East
 Kowloon
 office WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程師
 CIVIL ENGINEERING DEPARTMENT
 HONG KONG
 土木工程署



GENERAL ARRANGEMENT OF WORKS
 一般的工作安排
 SCALE 1:200

LEGEND
 圖例

CROSS SECTION	PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C) 新建攔水井 (參閱CED標準圖C2405C)	PROPOSED U-CHANNEL 新建U型溝渠	TEMPORARY SAFETY FENCE TYPE C (REFER TO CED STD. DRG. NO. GC1062) C型臨時安全圍欄 (參閱CED標準圖GC1062)
PROPOSED SOIL NAIL LOCATION 新建泥釘位置	PROPOSED PULL OUT TEST NAIL 試驗泥釘	SITE ACCESS 地盤入口	PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE (REFER TO CED STD. DRG. NOS. GC1016B AND C2103B) 新建混凝土樓梯, 下樓梯設有扶手的樓梯型溝渠 (參閱CED標準圖GC1016B和C2103B)
PROPOSED RAKING DRAINS (TYPE 3) (ORIENTATION OF DRAIN SHOWS ORIENTATION OF DRAIN) 新建排水管(3型), 排水方向如箭頭所示	LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. C21061) 可上鎖的維修梯門 (參閱CED標準圖C21061)	PROPOSED STEPPED CHANNEL 新建階梯型溝渠	DRAINAGE WATERSHED 排水分水嶺



- GENERAL NOTES
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3521, 3522, L3521, L3522, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.

no.	date	description	initial
P1	JUL-02	FIRST DRAFT FOR GEO'S COMMENT	

name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD. MAR-02
designed	ML JUL-02
drawn	
traced	JLU JUL-02
checked	MG JUL-02

approved
Director, Halcrow China Ltd.

file no. E:\geo\lpm\G\TRANSLATION\3523P1-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
延誤十年的防止山泥傾瀉計劃第二階段工程

contract CONTRACT NO. GE200217
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
延誤十年的防止山泥傾瀉計劃第二階段工程
斜坡和護土牆
防止山泥傾瀉工程

drawing title
FEATURE No. 13NE-AC101
斜坡編號 13NE-AC101
Shek Pik Reservoir, Lantau Island
大嶼山石壙水塘

WORK DETAILS AND SECTIONS
施工詳圖和剖面圖

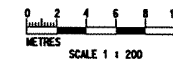
drawing no.	revision	scale
LPM 0217 / 3523	P1	1:200

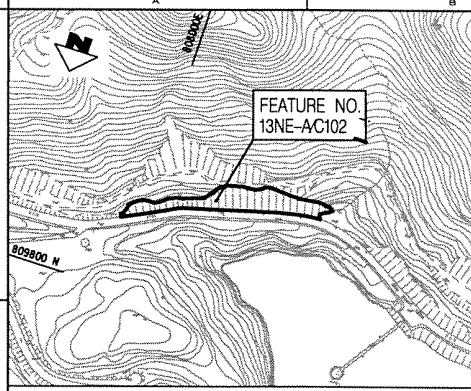
Halcrow
Halcrow China Ltd.
Suite 301, 3F
Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程課

CIVIL ENGINEERING
DEPARTMENT
HONG KONG
土木工程署

- LEGEND
- 圖例
 - SOIL NAIL ON SECTION
剖面上的釘
 - SOIL NAIL OFFSET
並列釘
 - PREScriptive RAKING DRAIN
實用排水管





LOCATION PLAN
平面定位圖
SCALE 1:2500

BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

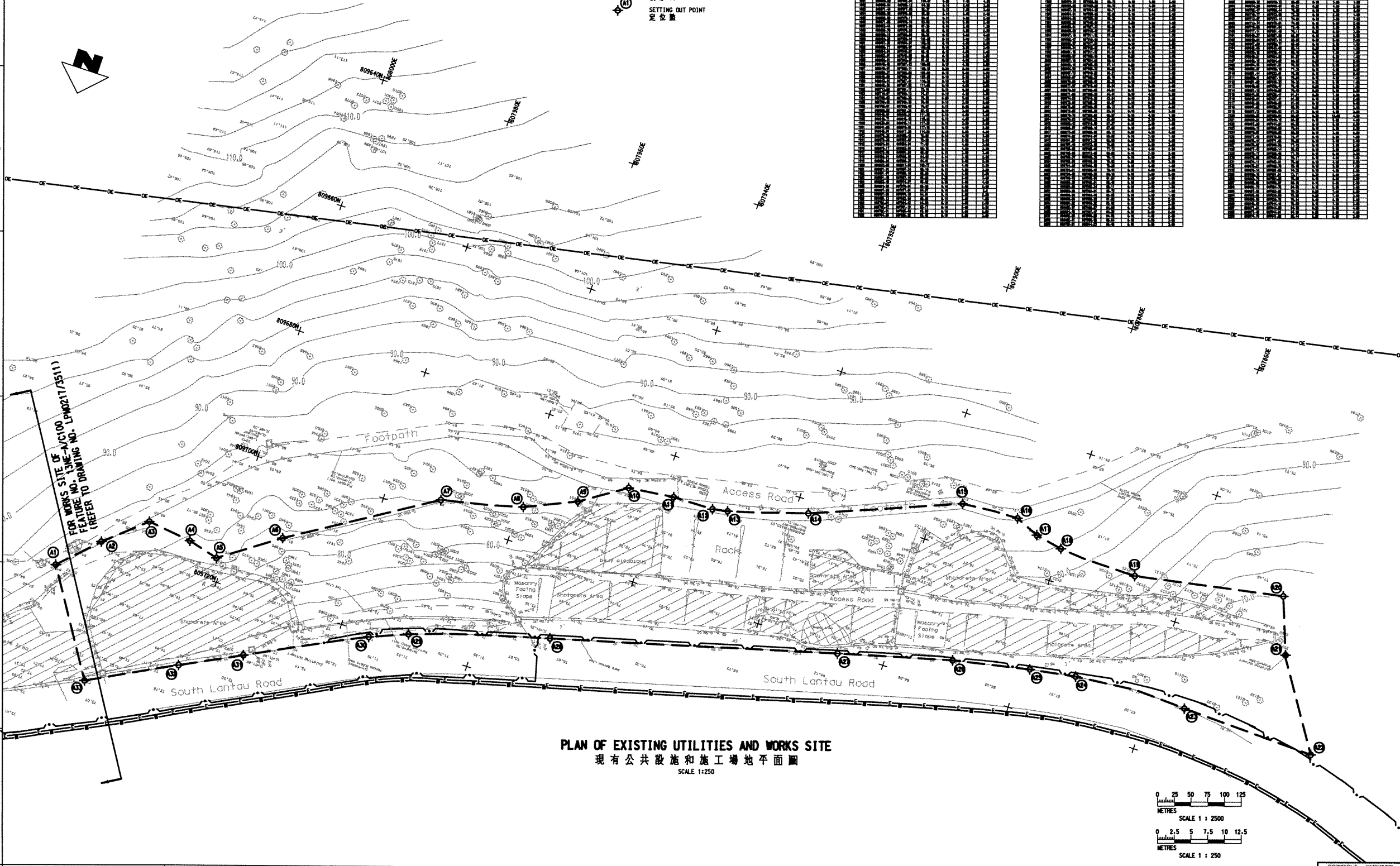
POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)	POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)
A1	808024.2	809725.2	A18	807879.9	809674.9
A2	808018.7	809719.7	A19	807867.9	809675.3
A3	808012.6	809714.6	A20	807845.7	809671.3
A4	808005.8	809715.3	A21	807842.7	809679.6
A5	808001.2	809716.5	A22	807834.4	809692.6
A6	807992.6	809710.5	A23	807854.6	809691.9
A7	807971.7	809697.5	A24	807871.7	809692.4
A8	807960.7	809693.7	A25	807878.6	809693.6
A9	807951.7	809691.1	A26	807890.2	809696.0
A10	807945.1	809686.8	A27	807907.1	809700.5
A11	807938.2	809685.9	A28	807949.2	809712.0
A12	807932.0	809685.8	A29	807969.9	809718.2
A13	807929.7	809685.4	A30	807975.5	809720.5
A14	807918.0	809681.9	A31	807992.7	809729.1
A15	807896.2	809673.2	A32	808001.6	809733.6
A16	807887.6	809672.6	A33	808014.6	809740.3
A17	807884.0	809674.1			

- LEGEND**
圖例
- FEATURE BOUNDARY 地盤邊界
 - BOUNDARY OF WORKS SITE 地盤邊界
 - FRESH WATER MAINS 供水管線
 - ELECTRICITY CABLES 現有電線
 - OVERHEAD ELECTRICITY CABLES 高架電線
 - ELECTRICITY CABLES & LIGHT POLE 電線和燈柱
 - MS STORM WATER MANHOLE 雨水井蓋蓋孔
 - 250 TREE AND TREE NO. 樹木和樹號
 - L LAMP POST 燈柱
 - SP ROAD SIGN 路牌
 - G GULLY/GRATING 糞水口
 - SETTLING OUT POINT 定位點

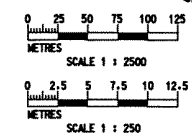
TREE TABLE OF FEATURE NO. 13NE-A/C102
樹木表

TREE NO.	樹木號	樹種	樹高	樹圍	樹位
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3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
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95	95
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97	97
98	98
99	99
100	100

- GENERAL NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3432, 3433, L3431 STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THIS UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS. NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.



PLAN OF EXISTING UTILITIES AND WORKS SITE
現有公共設施和施工場地平面圖
SCALE 1:250



P2	JUL. 02	SECOND DRAFT FOR GEO'S COMMENT	EL
APR. 02			FR
no.	date	description	initial
REVISION			
surveyed	LEUNG SHOU CHUN		
designed	ML		
drawn	AC		
traced	JL		
checked	DA		
approved			

Director: Hui Chiu Lit
Date: _____

file no. E:\geoinfo\p2\TRANSLATION\3431P2-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
第十年的防止山泥傾瀉計劃第二期工程

contract CONTRACT NO. GE200217
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE200217
第十年的防止山泥傾瀉計劃第二期工程
斜坡和牆土牆
防止山泥傾瀉工程

drawing title
FEATURE No. 13NE-AC102
地盤編號
South Lantau Road,
Near Shek Pik Reservoir, Lantau
大嶼山石壘水塘附近
南朗道
LOCATION PLAN PLAN OF EXISTING UTILITIES AND WORKS SITE
平面圖、現有公共設施和施工場地平面圖

drawing no. LPM 0217 / 3431
revision P2
scale AS SHOWN

Halcrow
合榮中國有限公司

Halcrow China Ltd.
Suite 301, 3F
Chinachem Golden Place
77 Mody Road, Tsimshatsui East
Kowloon

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程課

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署

RAKING DRAINS SCHEDULE

水平排水管表

ROW	RAKING DRAINS LEVEL	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管標高	長度	暫定水平間距	水平夾角	種類	數量
R1	1000 ABOVE SLOPE TOE	7	4000	10	3	55
R2	1000 ABOVE BERM	7	4000	10	3	34

PULL OUT TEST SCHEDULE

試驗釘表

MAIL NO.	MAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
試驗釘編號	長度	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P18	10	180	25	100
P19-P24	7	180	25	100
P25-P30	8	180	25	100

SOIL NAILS SCHEDULE

泥釘表

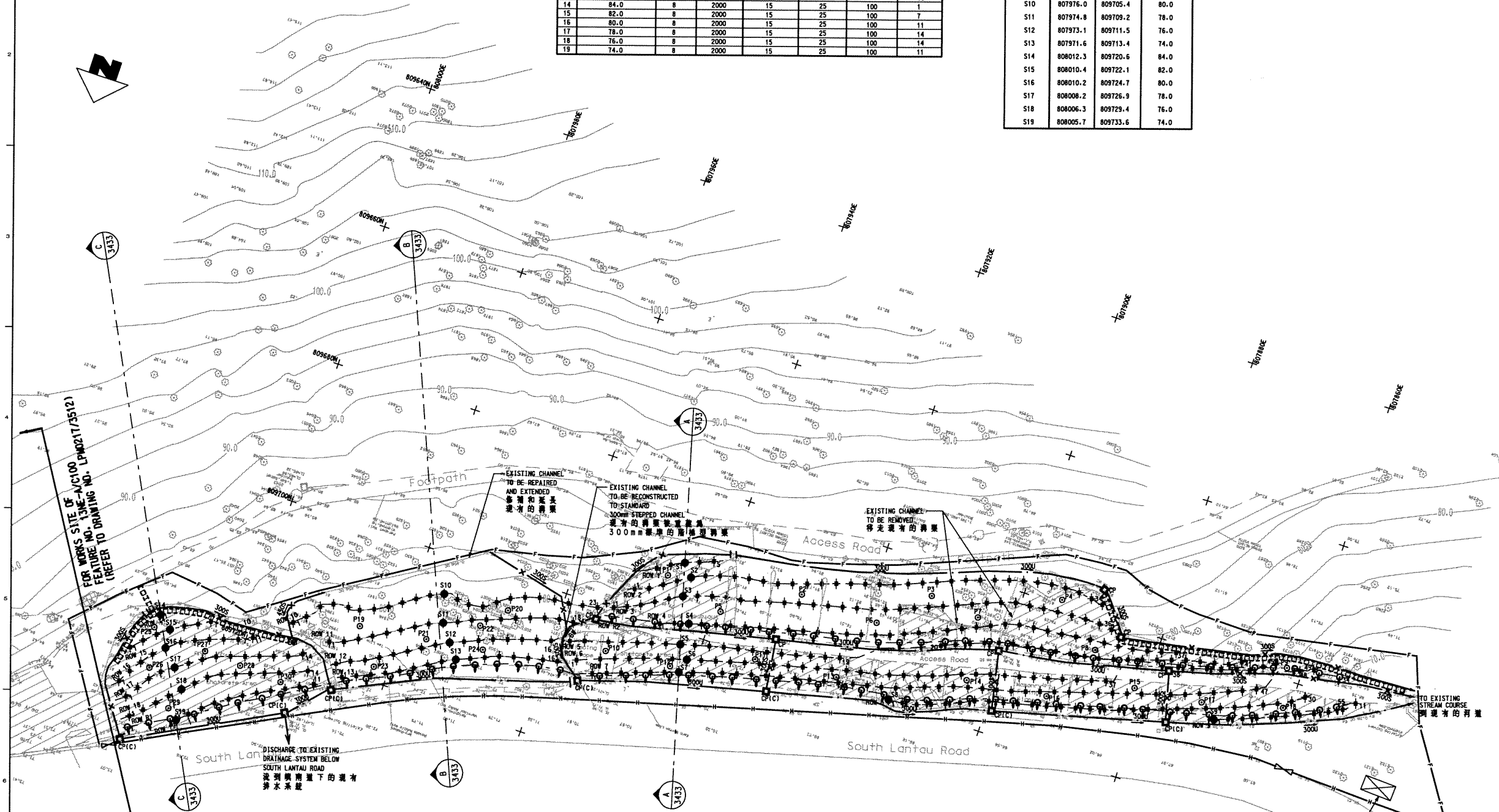
ROW	SOIL NAIL HEAD LEVEL (±HFD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭標高	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定數量
1	84.0	10	2000	15	25	100	5
2	82.0	10	2000	15	25	100	34
3	80.0	10	2000	15	25	100	36
4	78.0	10	2000	15	25	100	37
5	76.0	10	2000	15	25	100	41
6	74.0	10	2000	15	25	100	45
7	72.0	10	2000	15	25	100	49
8	70.0	10	2000	15	25	100	30
9	68.0	10	2000	15	25	100	11
10	80.0	7	2000	15	25	100	23
11	78.0	7	2000	15	25	100	18
12	76.0	7	2000	15	25	100	16
13	74.0	7	2000	15	25	100	16
14	84.0	8	2000	15	25	100	1
15	82.0	8	2000	15	25	100	7
16	80.0	8	2000	15	25	100	11
17	78.0	8	2000	15	25	100	14
18	76.0	8	2000	15	25	100	14
19	74.0	8	2000	15	25	100	11

SETTING OUT INFORMATION FOR SOIL NAILS

泥釘定位坐標

POINT	EASTING (m)	NORTHING (m)	LEVEL (±HFD)
泥釘號	東 (m)	北 (m)	標高
S1	807945.8	809690.8	84.0
S2	807944.4	809692.4	82.0
S3	807944.6	809695.2	80.0
S4	807942.6	809698.6	78.0
S5	807942.8	809701.6	76.0
S6	807941.3	809703.3	74.0
S7	807941.8	809705.3	72.0
S8	807913.2	809699.8	70.0
S9	807869.6	809688.3	68.0
S10	807916.0	809705.4	80.0
S11	807974.8	809709.2	78.0
S12	807973.1	809711.5	76.0
S13	807971.6	809713.4	74.0
S14	808012.3	809720.6	84.0
S15	808010.4	809722.1	82.0
S16	808010.2	809724.7	80.0
S17	808008.2	809726.9	78.0
S18	808006.3	809729.4	76.0
S19	808005.7	809733.6	74.0

- GENERAL NOTES
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 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - NO TREES AND FERNS SHALL BE FELLED WITHOUT APPROVAL OF THE ENGINEER IN WRITING. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES.
 - DETAILS OF MAINTENANCE ACCESS ARE IN ACCORDANCE WITH CED STANDARD DRAWING NO. GC1016B FOR CONCRETE MAINTENANCE STAIRWAY.
 - THE EXACT LOCATION OF THE ACCESS STAIRWAY AND STAIRCASE WILL BE CONFIRMED ON SITE BY THE ENGINEER.
 - ALL STEELWORK SHALL BE PAINTED IN ACCORDANCE WITH SYSTEM D OF GS18.62(1). FINISHING COAT SHALL BE OF ANTIQUE COLOUR (BS 108 251) PANTONE 482U OR AS DIRECTED ON SITE BY THE ENGINEER.
 - UPON COMPLETION OF THE WORKS, ONE SLOPE REGISTRATION PLATE SHALL BE FIXED AT A LOCATION SPECIFIED BY THE ENGINEER AND DETAILED IN STANDARD DRAWING NO. H6140(A) OR AS DIRECTED BY THE ENGINEER.
 - REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM 0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.



GENERAL ARRANGEMENT OF WORKS
一般的工作安排

SCALE 1:250

LEGEND

	CROSS SECTION 剖面圖		PROPOSED CATCHPIT WITH PRECAST CONCRETE COVER (REFER TO CED STD. DRG. NOS. C2405C AND C2407) 新設預製鋼筋土蓋的攔水井 (參閱 CED 標準圖 C2405C 和 C2407)		SITE ACCESS 地盤入口		TEMPORARY CHAIN LINK FENCE. EXACT EXTENT TO BE DETERMINED ON SITE BY THE ENGINEER (REFER TO CED STD. DRG. NO. C1006) 臨時圍欄, 準確的範圍位置由工程師確定 (參閱 CED 標準圖 C1006)
	PROPOSED SOIL NAIL LOCATION 新設泥釘位置		PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C) 新設攔水井 (參閱 CED 標準圖 C2405C)		PROPOSED U-CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新設 U 型渠和磚石護坡及流向		HOARDING (TYPE 1) (REFER TO CED STD. DRG. NOS. GC1047F & GC1053B) 圍欄 (型 1) (參閱 CED 標準圖 GC1047F 和 GC1053B)
	PROPOSED PULL OUT TEST MAIL 試驗釘位置		LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. GC1058B) 可以上鎖的維修梯門 (參閱 CED 標準圖 GC1058B)		PROPOSED STEPPED CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新設階梯式渠和磚石護坡及流向		PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE (REFER TO GE0217/1) 新設鋼筋土樓梯並在下坡的一邊設有扶手 (參閱 GE0217/1)
	PROPOSED RAKING DRAINS (TYPE 3) (ORIENTATION OF DRAIN SHOWS DIRECTION OF DRAIN) 新設排水管, 排水方向如箭頭所示 (3 型)				TYPE A - SITE OFFICE A 型地盤辦公室的位置		

no.	date	description	initial
P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
	APR.02		FM

REVISION

no.	date	description	initial
1	MAR.02		
2	APR.02		
3	APR.02		
4	APR.02		

approved: _____
Director, Halcrow China Ltd.

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project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號 CE402000
延建十年的防止山泥傾瀉計劃第二階段

contract CONTRACT NO. GE/200217
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號 GE/200217
延建十年的防止山泥傾瀉計劃第二階段
斜坡及護土牆防止山泥傾瀉工程

drawing title
FEATURE No. 13NE-AC102
斜坡編號
South Lantau Road,
Near Shek Pik Reservoir, Lantau
大嶼山石壁水塘附近
與南道

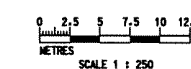
GENERAL ARRANGEMENT OF WORKS
一般的工作安排

drawing no.	revision	scale
LPM 0217 / 3432	P2	1:250

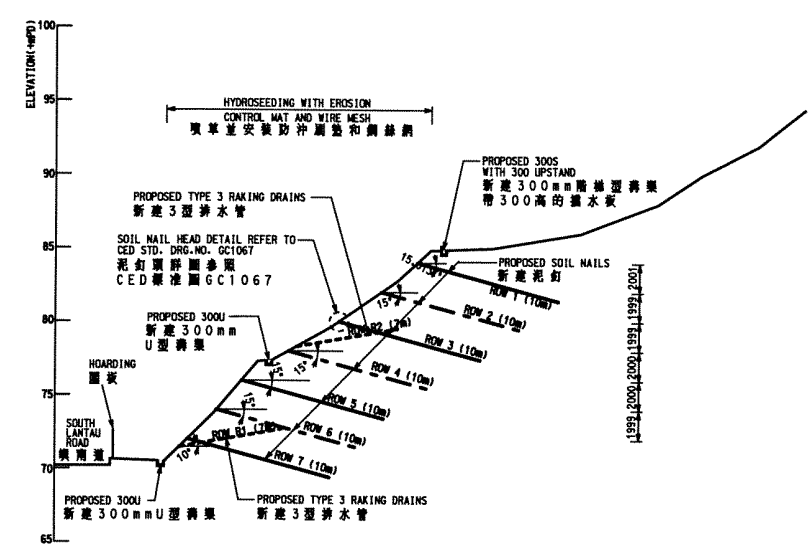
Halcrow Halcrow China Ltd.
Suite 301, 3F
Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon
合榮中國有限公司

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程部

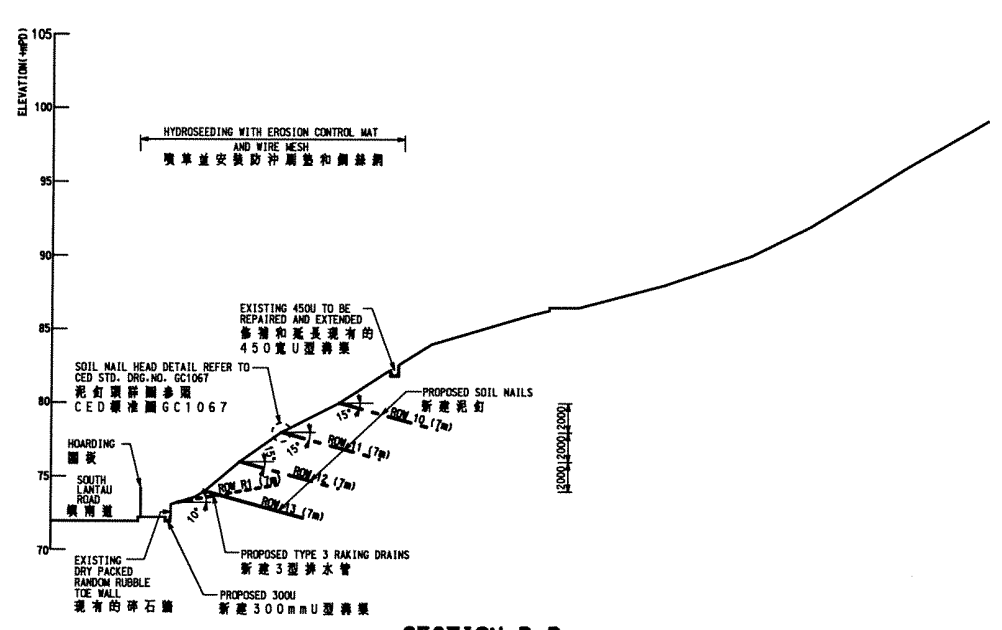
CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署



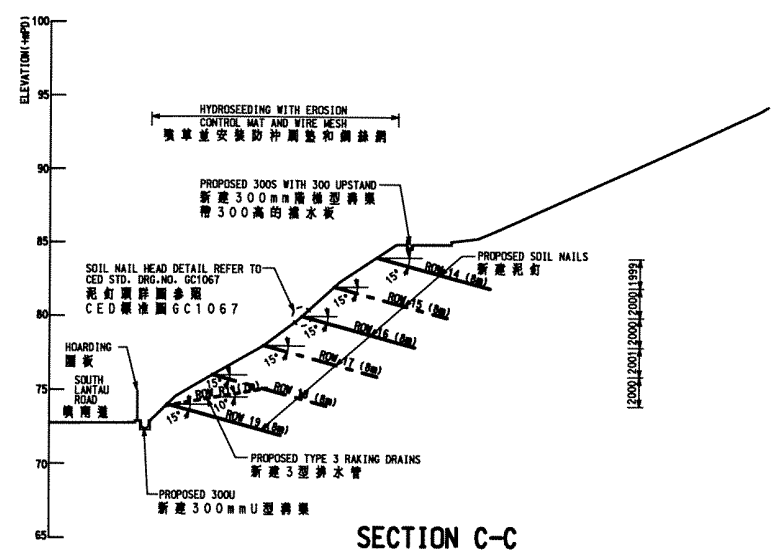
GENERAL NOTES
 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3431, 3432, 3433, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 3. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.



SECTION A-A
 剖面 A-A
 SCALE 1:200



SECTION B-B
 剖面 B-B
 SCALE 1:200



SECTION C-C
 剖面 C-C
 SCALE 1:200

P2	JUL. 02	SECOND DRAFT FOR GEO'S COMMENT	EL
no.	date	description	initial
	APR. 02		FM

REVISION	name	date
surveyed	LEUNG SHOU CHUN	MAR. 02
designed	ML	APR. 02
drawn	AC	APR. 02
traced	JL	APR. 02
checked	DA	APR. 02

approved
 Director, Halcrow China Ltd.
 Date: _____

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project no. AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
 合約編號CE40/2000
 延續十年的防止山泥傾瀉計劃第二期第G組

contract CONTRACT NO. GE2002/17
 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
 合約編號GE/2002/17
 延續十年的防止山泥傾瀉計劃第二期第G組
 斜坡和擋土牆防止山泥傾瀉工程

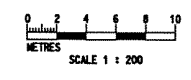
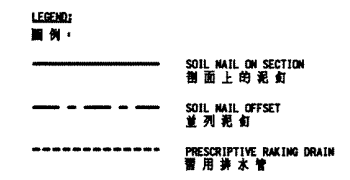
drawing title
 FEATURE No. 13NE-AC102
 斜坡編號
 South Lantau Road,
 Near Shek Pik Reservoir, Lantau
 大嶼山石壘水塘附近
 嶼南道

drawing no.	revision	scale
LPM 0217 / 3433	P2	1:200

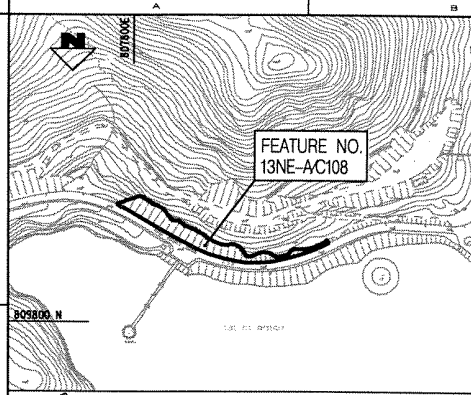
Halcrow
 合眾中國有限公司
 Halcrow China Ltd.
 Suite 303, 3/F
 Chisenham Golden Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office
 WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程課

CIVIL ENGINEERING DEPARTMENT
 HONG KONG
 土木工程署



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LOCATION PLAN
平面定位圖
SCALE 1:2500

BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

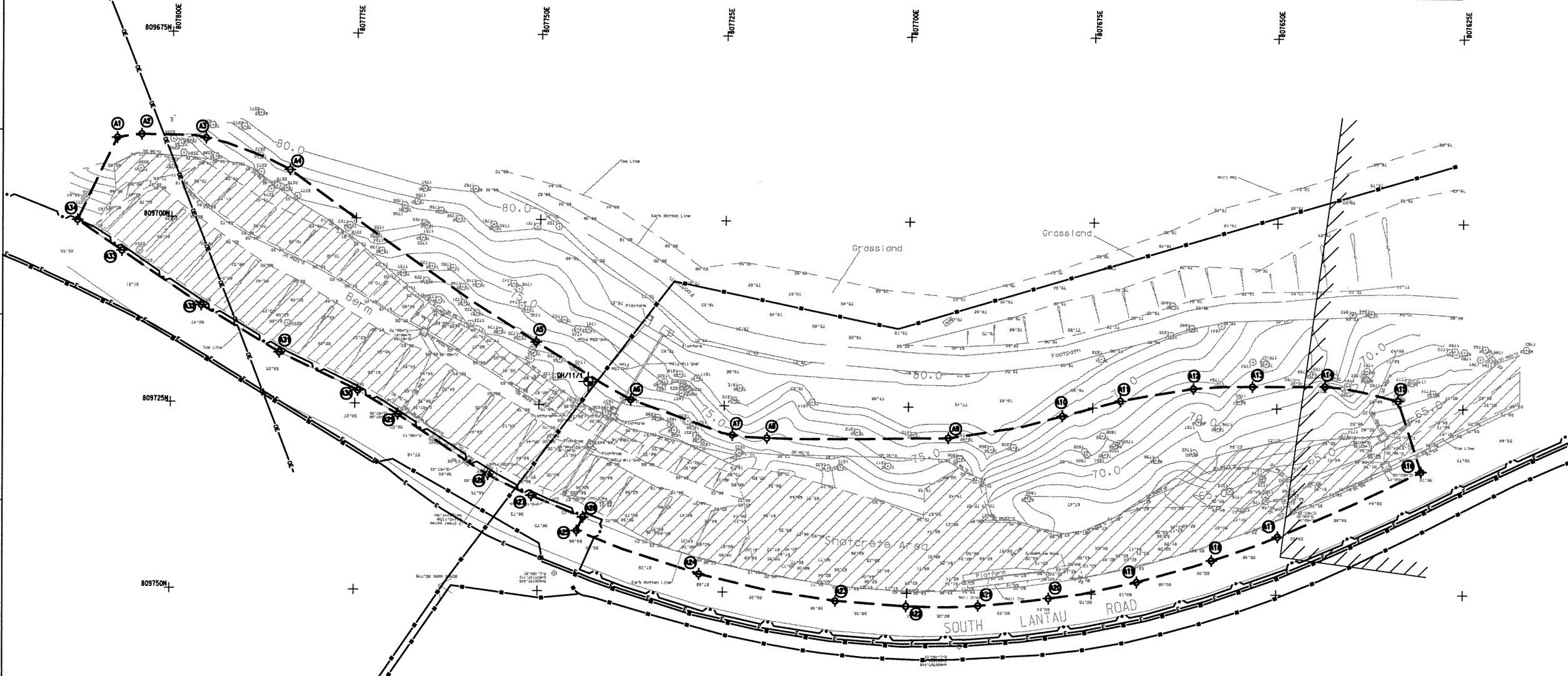
POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)	POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)
A1	807807.5	809689.3	A18	807658.7	809745.5
A2	807804.2	809688.9	A19	807668.9	809748.4
A3	807795.4	809683.4	A20	807680.8	809750.6
A4	807784.0	809693.5	A21	807690.4	809751.6
A5	807750.5	809716.5	A22	807700.1	809751.8
A6	807737.6	809724.2	A23	807709.6	809751.1
A7	807723.9	809728.9	A24	807728.2	809747.6
A8	807719.1	809729.3	A25	807744.8	809741.9
A9	807694.6	809729.2	A26	807744.0	809740.1
A10	807679.1	809726.1	A27	807751.0	809737.2
A11	807671.3	809724.1	A28	807756.9	809734.4
A12	807661.3	809722.4	A29	807769.2	809726.4
A13	807653.3	809722.0	A30	807774.6	809723.2
A14	807643.5	809722.0	A31	807785.3	809718.2
A15	807633.7	809723.9	A32	807795.9	809711.9
A16	807630.6	809733.4	A33	807806.8	809704.6
A17	807649.8	809742.2	A34	807812.8	809700.5

- LEGEND
圖例
- FEATURE BOUNDARY
地盤邊界
 - BOUNDARY OF WORKS SITE
地盤邊界
 - FRESH WATER MAINS
供水管線
 - ELECTRICITY CABLES
現有電線
 - OVERHEAD ELECTRICITY CABLES
高壓電線
 - ELECTRICITY CABLES & LIGHT POLE
電線和燈柱
 - MS STORM WATER MANHOLE
雨水井蓋
 - 250 TREE AND TREE NO.
樹木和編號
 - L LAMP POST
燈柱
 - SP ROAD SIGN
路牌
 - GULLY/GRATING
溝水口
 - SETTING OUT POINT
定位點
 - MSD WATERWORKS TUNNEL RESERVE
水務署供水系統隧道保護範圍
 - BOREHOLE
鑽孔

TREE TABLE OF FEATURE NO. 13NE-A/C100
樹木表

NO.	TRUNK	DBH	HT	SP	COND	REMARKS
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- GENERAL NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3442, 3443, L3441, L3442 STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THIS UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS. NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.
 - THE CONTRACTOR SHALL COMPLY WITH THE GENERAL CONDITIONS FOR WORKING WITHIN WATER GATHERING GROUND OF WATER SUPPLIES DEPARTMENT.
 - THE CONTRACTOR SHALL NOTIFY THE CHINA LIGHT AND POWER (CLP) HONG KONG LIMITED PRIOR TO COMMENCEMENT OF THE WORKS, AND SHALL TAKE ALL REASONABLE STEPS AND MEASURES FOR THE WORKS IN THE VICINITY OF OVERHEAD ELECTRICITY LINES IN ACCORDANCE WITH THE CODE OF PRACTICE ON WORKING NEAR ELECTRICITY SUPPLY LINES.



PLAN OF EXISTING UTILITIES AND WORKS SITE
現有公共設施和施工場地平面圖
SCALE 1:250

P2	JUL. 02	SECOND DRAFT FOR GEO'S COMMENT
APR. 02		
no.	date	description
initial		
REVISION		
no.	name	date
surveyed	LEUNG SHOU CHUN SURVEYING CONSULTANTS LTD.	MAR. 02
designed	MC	APR. 02
drawn	AC	APR. 02
traced	JL	APR. 02
checked	GMG	APR. 02
approved		
Director, Hekow Chiu Ltd.		
Date: _____		

file no. E:\geo\lpm\TRANSLATION\3441P2-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
第十年的防止山泥傾瀉計劃第二階段工程

contract CONTRACT NO. GE200217
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE200217
第十年的防止山泥傾瀉計劃第二階段工程
斜坡和護土牆防止山泥傾瀉工程

drawing title
FEATURE No. 13NE-AC108
地盤邊界
Shek Pik Reservoir, Lantau Island
大嶼山石壙水壩附近

LOCATION PLAN, PLAN OF EXISTING UTILITIES AND WORKS SITE
平面圖, 現有公共設施和施工場地平面圖

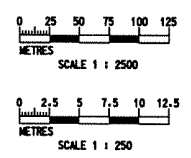
drawing no. LPM 0217 / 3441
revision P2
scale AS SHOWN

Halcrow
合景中國有限公司

Halcrow China Ltd
Suite 301, 3F
Chinachem Golden Plaza
77 Moody Road, Tsimshatsui East
Kowloon

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程務

CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署



SETTING OUT INFORMATION FOR SOIL NAILS

POINT 泥釘定位點	EASTING (m) 東 (m)	NORTHING (m) 北 (m)	LEVEL (+HFD) 標高
S1	807705.6	809732.0	74.0
S2	807706.4	809733.5	72.5
S3	807705.7	809735.0	71.0
S4	807706.6	809736.5	69.5
S5	807705.9	809738.0	68.0
S6	807706.7	809739.5	66.5
S7	807706.1	809742.5	65.0
S8	807707.0	809744.0	63.5
S9	807706.3	809745.6	62.0
S10	807787.4	809696.5	75.3
S11	807788.1	809697.9	73.8
S12	807788.8	809699.1	72.3
S13	807789.5	809700.1	70.8
S14	807790.3	809701.2	69.3
S15	807792.6	809703.7	67.8
S16	807793.4	809704.9	66.3
S17	807794.1	809706.2	64.8
S18	807794.8	809707.6	63.3
S19	807795.8	809709.0	61.8

SOIL NAILS SCHEDULE

ROW 行號	SOIL NAIL HEAD LEVEL (+HFD) 泥釘頭標高	LENGTH (m) 長度	HORIZONTAL SPACING (mm) 水平間距	DECLINATION TO HORIZONTAL (°) 水平夾角	BAR DIAMETER (mm) 鋼筋直徑	DRILLHOLE DIAMETER (mm) 鑽孔直徑	ANTICIPATED TOTAL NO. 預定總數	REMARK 備註
1	VARIES*	16	1500	15	32	100	15	8000mm ABOVE BERM
2	VARIES*	16	1500	15	32	100	38	6500mm ABOVE BERM
3	VARIES*	16	1500	15	32	100	59	5000mm ABOVE BERM
4	VARIES*	16	1500	15	32	100	85	3500mm ABOVE BERM
5	VARIES*	16	1500	15	32	100	106	2000mm ABOVE BERM
6	VARIES*	16	1500	15	32	100	115	500mm ABOVE BERM
7	VARIES*	16	1500	15	32	100	158	1000mm BELOW BERM
8	VARIES*	16	1500	15	32	100	120	2500mm BELOW BERM
9	VARIES*	16	1500	15	32	100	120	4000mm BELOW BERM
10	VARIES*	16	1500	15	32	100	66	5500mm BELOW BERM
11	VARIES*	16	1500	15	32	100	47	7000mm BELOW BERM

NOTE: * - REFER TO SETTING OUT INFORMATION FOR SOIL NAIL

RAKING DRAINS SCHEDULE

ROW 行號	RAKING DRAINS LEVEL (+HFD) 排水管標高	LENGTH (m) 長度	TENTATIVE HORIZONTAL SPACING (mm) 暫定水平間距	INCLINATION TO HORIZONTAL (°) 水平夾角	TYPE 型號	TOTAL NO. 總數
R1	1000 ABOVE UPPER BERM	7	4500	10	3	39
R2	1000 ABOVE SLOPE TOE	7	4500	10	3	41

PULL OUT TEST SCHEDULE

MAIL NO. 試驗釘編號	MAIL LENGTH (m) 長度	TEST LOAD (kN) 試驗拉力	BAR DIAMETER (mm) 鋼筋直徑	DRILLHOLE DIAMETER (mm) 鑽孔直徑
P1-P56	16	300	32	100

SETTING OUT INFORMATION FOR REGRADED WORK

POINT 參照點	EASTING (m) 東 (m)	NORTHING (m) 北 (m)	LEVEL (+HFD) 標高
T11	807725.4	809739.7	66.1
T12	807706.1	809741.5	66.0
T13	807692.7	809741.7	65.9
T14	807659.7	809736.2	65.5
T15	807638.2	809728.3	65.3

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002, 3441, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3838, 3839, 3840, 3841, 3842, 3843, 3844, 3845, 3846, 3847, 3848, 3849, 3850, 3851, 3852, 3853, 3854, 3855, 3856, 3857, 3858, 3859, 3860, 3861, 3862, 3863, 3864, 3865, 3866, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 3876, 3877, 3878, 3879, 3880, 3881, 3882, 3883, 3884, 3885, 3886, 3887, 3888, 3889, 3890, 3891, 3892, 3893, 3894, 3895, 3896, 3897, 3898, 3899, 3900, 3901, 3902, 3903, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3923, 3924, 3925, 3926, 3927, 3928, 3929, 3930, 3931, 3932, 3933, 3934, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3954, 3955, 3956, 3957, 3958, 3959, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990, 3991, 3992, 3993, 3994, 3995, 3996, 3997, 3998, 3999, 4000.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
- THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
- A TEMPORARY SAFETY FENCE (TYPE C) SHALL BE CONSTRUCTED ALONG THE WORKS SITE TOE AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NO. GC1062. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
- TREES SHALL BE FELLED WITHOUT APPROVAL OF THE ENGINEER IN WRITING. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES.
- THE EXISTING SLOPE PROFILE FOR THE WESTERN PORTION SHALL BE REGRADED TO A SLOPE ANGLE OF 45° TO THE HORIZONTAL. THE EXISTING SLOPE PROFILE OF THE EASTERN PORTION SHALL BE MAINTAINED. FOR DETAILS REFER TO SECTIONS SHOWN IN DRAWING NO. LPM0217/3443.
- REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.

no.	date	description	initial
P2	JUL. 02	SECOND DRAFT FOR GEO'S COMMENT	
	APR. 02		

name	date
LEUNG SHU CHUN	MAR. 02
MC	APR. 02
AC	APR. 02
MH	APR. 02
ONG	APR. 02

project no: AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號: CE402000
延建十年的防止山泥傾瀉
計劃第二期工程

contract: CONTRACT NO. GE200217
10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G
LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號: GE200217
延建十年的防止山泥傾瀉
計劃第二期工程
斜坡和護土牆
防止山泥傾瀉工程

drawing title: FEATURE No. 13NE-AC108
斜坡編號
大嶼山石壘水壩附近

GENERAL ARRANGEMENT OF WORKS
一般的工作安排

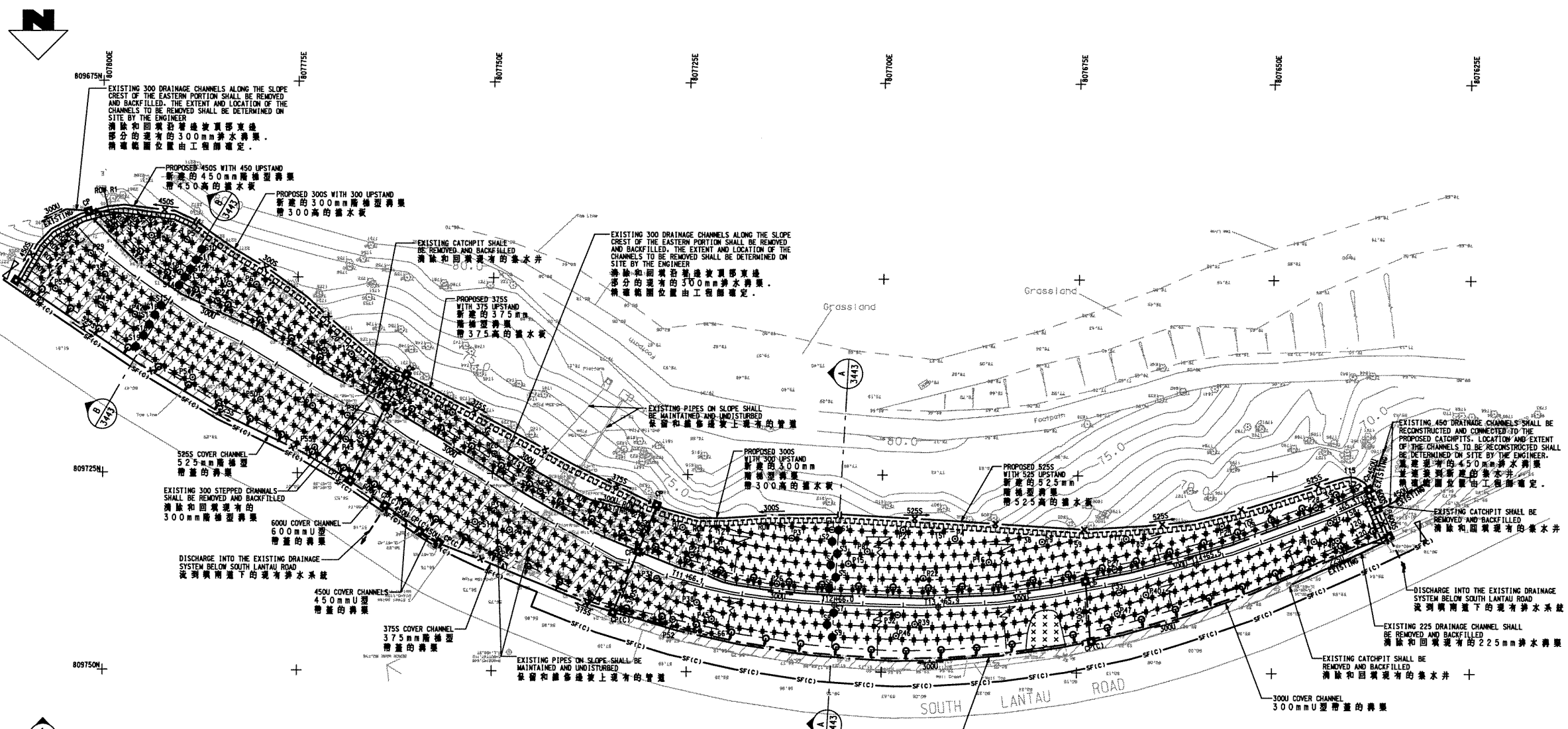
drawing no: LPM 0217 / 3442
revision: P2
scale: 1:250

Halcrow
合榮中國有限公司

Halcrow China Ltd
Suite 303, 3/F
Chinachem - Garden Plaza
77 Mody Road, Tsimshatsui East
Kowloon

office: WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程課

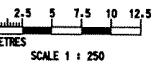
CIVIL ENGINEERING DEPARTMENT
HONG KONG
土木工程署



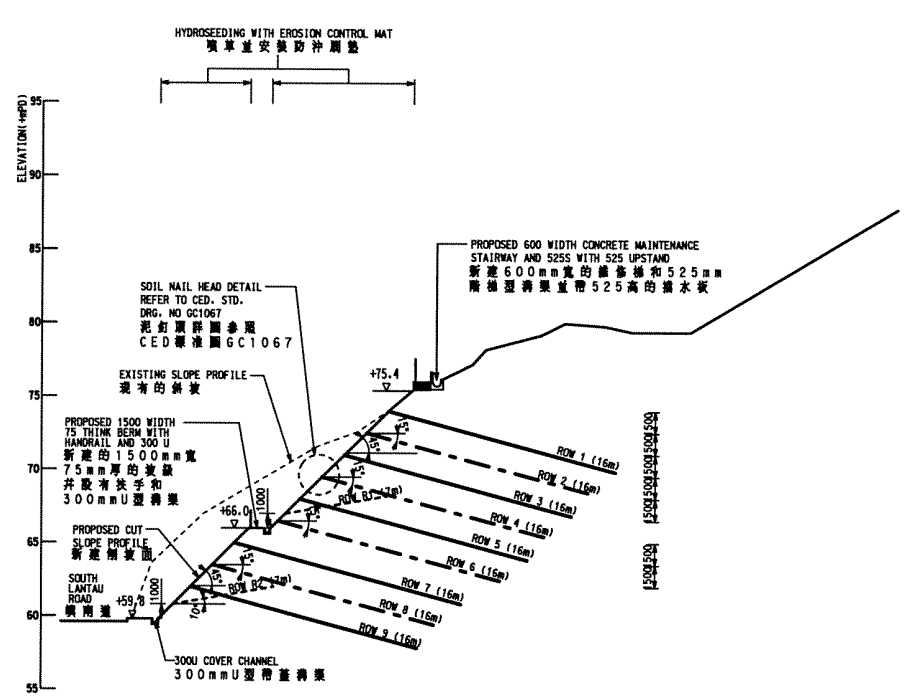
GENERAL ARRANGEMENT OF WORKS
一般的工作安排

SCALE 1:250

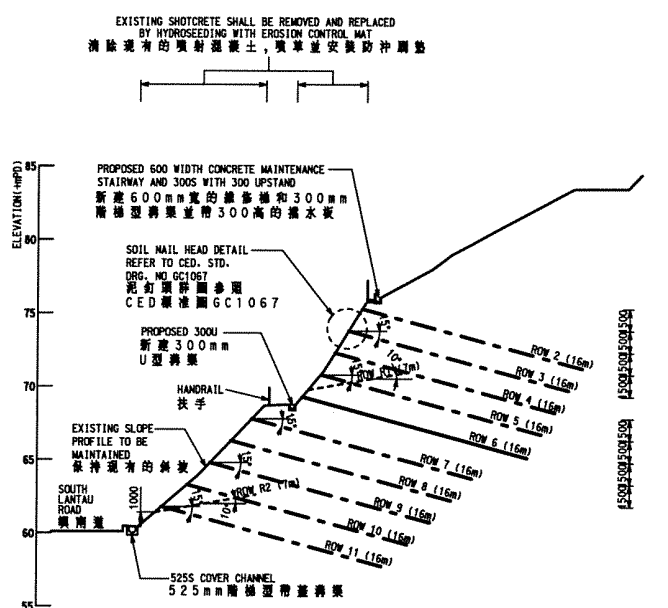
- LEGEND**
- PROPOSED SOIL NAIL LOCATION (REFER TO CED STD. DRG. NO. C2405C) 新建泥釘位置
 - PROPOSED PULL OUT TEST NAIL (REFER TO CED STD. DRG. NO. C2405C) 試驗泥釘
 - PROPOSED RAKING DRAINS (TYPE 3) (ORIENTATION OF DRAIN SHOWS DIRECTION OF DRAIN) 新建排水管 (排水方向如箭頭所示 (3 型))
 - SOIL NAIL SETTING OUT POINT (REFER TO SETTING OUT INFORMATION FOR SOIL NAIL) 泥釘定位點
 - SETTING OUT POINT WITH REFERENCE NUMBER (REFER TO SETTING OUT INFORMATION FOR SOIL NAIL) 參照定位點
 - PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C) 新建集水井
 - PROPOSED CATCHPIT WITH PRECAST CONCRETE COVER (REFER TO CED STD. DRG. NOS. C2405C AND C2407) 新建帶預製混凝土蓋的集水井 (參照 CED 標準圖 C2405C 和 C2407)
 - SITE ACCESS 施工程入口
 - LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. GC1058B) 可以上鎖的維修樓梯門 (參照 CED 標準圖 GC1058B)
 - EXISTING U-CHANNEL WITH DIRECTION OF FLOW 現有的 U 型溝渠及流向
 - PROPOSED U-CHANNEL 新建 U 型溝渠
 - PROPOSED STEPPED CHANNEL 新建階梯型溝渠
 - DRAINAGE WATERSHED 排水分水嶺
 - PROPOSED HANDRAIL (REFER TO CED STD. DRG. NO. C2103B) 新建的扶手 (參照 CED 標準圖 C2103B)
 - TEMPORARY SAFETY FENCE TYPE C (REFER TO CED STD. DRG. NO. GC1062) C 型臨時安全圍欄 (參照 CED 標準圖 GC1062)
 - PROPOSED STEEL MAINTENANCE STAIRCASE (REFER TO CED STD. DRG. NO. C2102A) 新建的鋼梯 (參照 CED 標準圖 C2102A)
 - PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE (REFER TO GE0217/1) 新建帶扶手 (參照 GE0217/1) 的混凝土維修樓梯
 - ROCK SLOPE STABILIZATION MEASURES TO BE SPECIFIED FOLLOWING INSPECTION BY THE ENGINEER AFTER REMOVAL OF EXISTING SHOTCRETE AND REGRADED WORKS (參照 GE0217/1) 清除現有的噴射混凝土和整地工作後，岩石坡的加固措施由工程師確定
 - PROPOSED CUT SLOPE 新建的切坡
 - PROPOSED BERM WITH BERM LEVEL 新建的邊坡和坡底標高
 - PROPOSED REGRADED TOE LINE 新建的等底線



GENERAL NOTES
 1-THESE DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3441, 3442, L3441, L3442, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 2-ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 3-ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 4-DETAILS OF CONCRETE BEAM SHALL BE IN ACCORDANCE WITH STANDARD DRAWING NO. C2409E

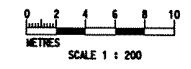


SECTION A-A
 剖面 A-A
 SCALE 1:200



SECTION B-B
 剖面 B-B
 SCALE 1:200

- LEGEND:
 圖例:
- SOIL NAIL ON SECTION
剖面上的泥釘
 - SOIL NAIL OFFSET
並列泥釘
 - PRESCRIPTIVE RAKING DRAIN
實用排水管



P2	JUL-02	SECOND DRAFT FOR GEO'S COMMENT
APR-02		
no.	date	description
initial		
REVISION		
name	date	
surveyed	LEUNG SHOU CHUN	MAR-02
	SURVEYING CONSULTANTS LTD.	
designed	WC	APR-02
drawn	AC	APR-02
traced	MH	APR-02
checked	CMG	APR-02
approved		
Director, Halcrow China Ltd.		
Date: _____		


file no. E:\geo\lpm\TRANSLATION\3443P2-CH.dgn
 project no. AGREEMENT NO. CE402000
 10-YEAR EXTENDED LPM PROJECT -
 PHASE 2, PACKAGE G
 合約編號CE402000
 第十年的防止山泥傾瀉
 計劃第二期第G組
 contract CONTRACT NO. GE2002/17
 10-YEAR EXTENDED LPM PROJECT
 PHASE 2, PACKAGE G -
 LANDSLIP PREVENTIVE WORKS
 FOR SLOPES AND RETAINING WALLS
 合約編號GE/2002/17
 第十年的防止山泥傾瀉
 計劃第二期第G組
 斜坡和護土牆
 防止山泥傾瀉工程

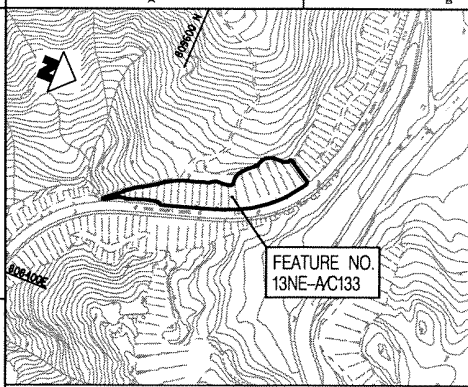
drawing title
 FEATURE No. 13NE-AC108
 斜坡編號
 Shek Pik Reservoir, Lantau Island
 大嶼山石壙水塘附近

WORKS DETAILS AND SECTIONS
 詳圖和剖面圖
 drawing no. LPM 0217 / 3443
 revision P2
 scale 1:200

Halcrow
 合眾中國有限公司
 Halcrow China Ltd.
 Suite 301, 3/F
 Citicentre Golden Plaza
 77 Mody Road, Tsimshatsui East
 Kowloon

office
 WORKS DIVISION
 GEOTECHNICAL ENGINEERING OFFICE
 土力工程處工程課

 CIVIL ENGINEERING
 DEPARTMENT
 HONG KONG
 土木工程署



LOCATION PLAN
平面定位圖
SCALE 1:2500

BOUNDARY COORDINATES FOR WORKS SITE
地盤邊界坐標

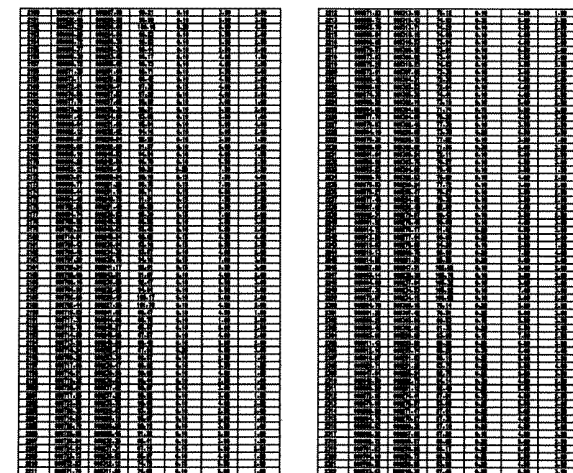
POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)	POINT 點位	EASTING(m) 東 (m)	NORTHING(m) 北 (m)
A1	808309.5	809570.6	A19	808205.7	809711.9
A2	808304.1	809576.3	A20	808215.4	809742.4
A3	808287.4	809598.1	A21	808223.6	809739.2
A4	808280.0	809606.7	A22	808228.5	809736.7
A5	808270.9	809623.4	A23	808233.5	809734.2
A6	808269.9	809625.6	A24	808242.0	809728.9
A7	808259.7	809652.5	A25	808247.7	809724.4
A8	808258.0	809657.2	A26	808257.7	809715.3
A9	808256.6	809660.1	A27	808266.7	809704.6
A10	808255.3	809662.3	A28	808274.7	809692.1
A11	808252.6	809665.7	A29	808279.5	809682.1
A12	808222.6	809688.4	A30	808287.4	809660.9
A13	808220.6	809690.4	A31	808294.9	809637.0
A14	808218.4	809693.1	A32	808299.8	809620.8
A15	808217.4	809695.1	A33	808305.1	809603.6
A16	808217.0	809696.6	A34	808309.5	809590.2
A17	808216.3	809701.6	A35	808312.4	809582.7
A18	808216.3	809707.7	A36	808316.3	809574.2

LEGEND
圖例

- FEATURE BOUNDARY 斜裝邊界
- BOUNDARY OF WORKS SITE 地盤邊界
- FRESH WATER MAINS 供水管線
- ELECTRICITY CABLES 電力電線
- OVERHEAD ELECTRICITY CABLES 高壓電線
- ELECTRICITY CABLES & LIGHT POLE 電線和燈柱
- STORM WATER DRAIN 雨水排水溝
- STORM WATER MANHOLE 雨水井檢査孔
- TREE AND TREE NO. 樹木和編號
- LAMP POST 燈柱
- ROAD SIGN 路牌
- GULLY/GRATING 溝水口
- SETTING OUT POINT 定位點

TREE TABLE OF FEATURE NO. 13NE-1/C133
樹木表

TREE NO.	樹木編號	樹木種類	樹木直徑	樹木高度	樹木位置
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
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93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100



PLAN OF EXISTING UTILITIES AND WORKS SITE
現有公共設施和施工場地平面圖
SCALE 1:250

- GENERAL NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/002.3532.3533.L3531, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THIS UTILITIES PLAN HAS BEEN PREPARED FROM INFORMATION PROVIDED BY THE UTILITIES UNDERTAKINGS. NEITHER THE EMPLOYER NOR HIS AGENTS ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR THE ACCURACY OF THE INFORMATION AND THE CONTRACTOR SHALL MAKE SUCH FURTHER ENQUIRIES AND INVESTIGATION AS ARE REQUIRED FOR HIS OWN INFORMATION.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND THE WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AT THE WORKS SITE BY TRIAL PITS.
 - THE CONTRACTOR SHALL NOTIFY THE CHINA LIGHT AND POWER (CLP) HONG KONG LIMITED PRIOR TO COMMENCEMENT OF THE WORKS AND SHALL TAKE ALL REASONABLE STEPS AND MEASURES FOR THE WORKS IN THE VICINITY OF OVERHEAD ELECTRICITY LINES IN ACCORDANCE WITH THE CODE OF PRACTICE ON WORKING NEAR ELECTRICITY SUPPLY LINES.

P2	JUL. 02	SECOND DRAFT FOR GEO'S COMMENT	EL
	MAY. 02		FN
no.	date	description	initial

REVISION

no.	name	date
1	LEUNG SHU CHUN SURVEYING CONSULTANTS LTD.	MAR. 02
2	WC	APR. 02
3	AC	APR. 02
4	JL	APR. 02
5	GMC	APR. 02

approved _____
Director, Halcrow China Ltd.
Date: _____

file no. E:\geo\lpm\TRANSLATION\3531P2-CH.dgn

project no. AGREEMENT NO. CE402000
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G
合約編號CE402000
第十年的防止山泥傾瀉計劃第二期工程

contract CONTRACT NO. GE/2002/17
10-YEAR EXTENDED LPM PROJECT - PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS
合約編號GE/2002/17
第十年的防止山泥傾瀉計劃第二期工程
斜坡和護土牆防止山泥傾瀉工程

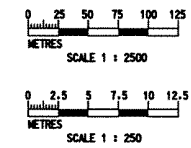
drawing title
FEATURE No. 13NE-AC133
樹木表
South Lantau Road,
Near Shek Pik Reservoir, Lantau
大嶼山石壁水塘附近
樹木表
LOCATION PLAN, PLAN OF EXISTING UTILITIES AND WORKS SITE
平面圖, 現有公共設施和施工場地平面圖

drawing no. LPM 0217 / 3531
revision P2
scale AS SHOWN

Halcrow
Halcrow China Ltd.
Suite 301, 3F
CitiSquare Golden Plaza
77 Mooy Road, Tsimshatsui East
Kowloon
合榮中國有限公司

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土力工程處工程部

CIVIL ENGINEERING
DEPARTMENT
HONG KONG
土木工程署



SOIL NAILS SCHEDULE

ROW	SOIL NAIL HEAD LEVEL (+HPD)	LENGTH (m)	HORIZONTAL SPACING (mm)	DECLINATION TO HORIZONTAL (°)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)	ANTICIPATED TOTAL NO.
行號	泥釘頭高度	長度	水平間距	水平夾角	鋼筋直徑	鑽孔直徑	預定總數
1	106.30	13	2000	15	32	100	3
2	104.30	13	2000	15	32	100	12
3	102.30	13	2000	15	32	100	18
4	100.30	13	2000	15	32	100	21
5	98.30	13	2000	15	32	100	25
6	96.30	13	2000	15	32	100	21
7	94.30	13	2000	15	32	100	18
8	92.30	13	2000	15	32	100	17
9	90.30	13	2000	15	32	100	15
10	88.30	13	2000	15	32	100	15
11	86.30	13	2000	15	32	100	16
12	84.30	13	2000	15	32	100	16
13	96.60	16	1500	15	32	100	36
14	94.60	16	1500	15	32	100	40
15	92.60	16	1500	15	32	100	43
16	90.60	16	1500	15	32	100	45
17	88.60	16	1500	15	32	100	52
18	86.60	16	1500	15	32	100	37
19	84.60	16	1500	15	32	100	38
20	82.60	16	1500	15	32	100	41

SETTING OUT INFORMATION FOR SOIL NAILS

POINT	EASTING (m)	NORTHING (m)	LEVEL (+HPD)
泥釘號	東 (m)	北 (m)	高度
S1	808227.2	809693.7	106.30
S2	808230.3	809697.8	104.30
S3	808233.4	809699.4	102.30
S4	808234.3	809701.5	100.30
S5	808236.5	809702.1	98.30
S6	808237.3	809704.2	96.30
S7	808239.5	809704.8	94.30
S8	808241.2	809707.7	92.30
S9	808245.2	809710.1	90.30
S10	808247.9	809713.8	88.30
S11	808249.9	809714.3	86.30
S12	808250.5	809716.2	84.30
S13	808261.5	809671.4	96.60
S14	808263.9	809673.2	94.60
S15	808266.3	809673.3	92.60
S16	808268.3	809674.8	90.60
S17	808270.7	809675.0	88.60
S18	808273.8	809676.9	86.60
S19	808276.8	809676.9	84.60
S20	808277.2	809678.2	82.60

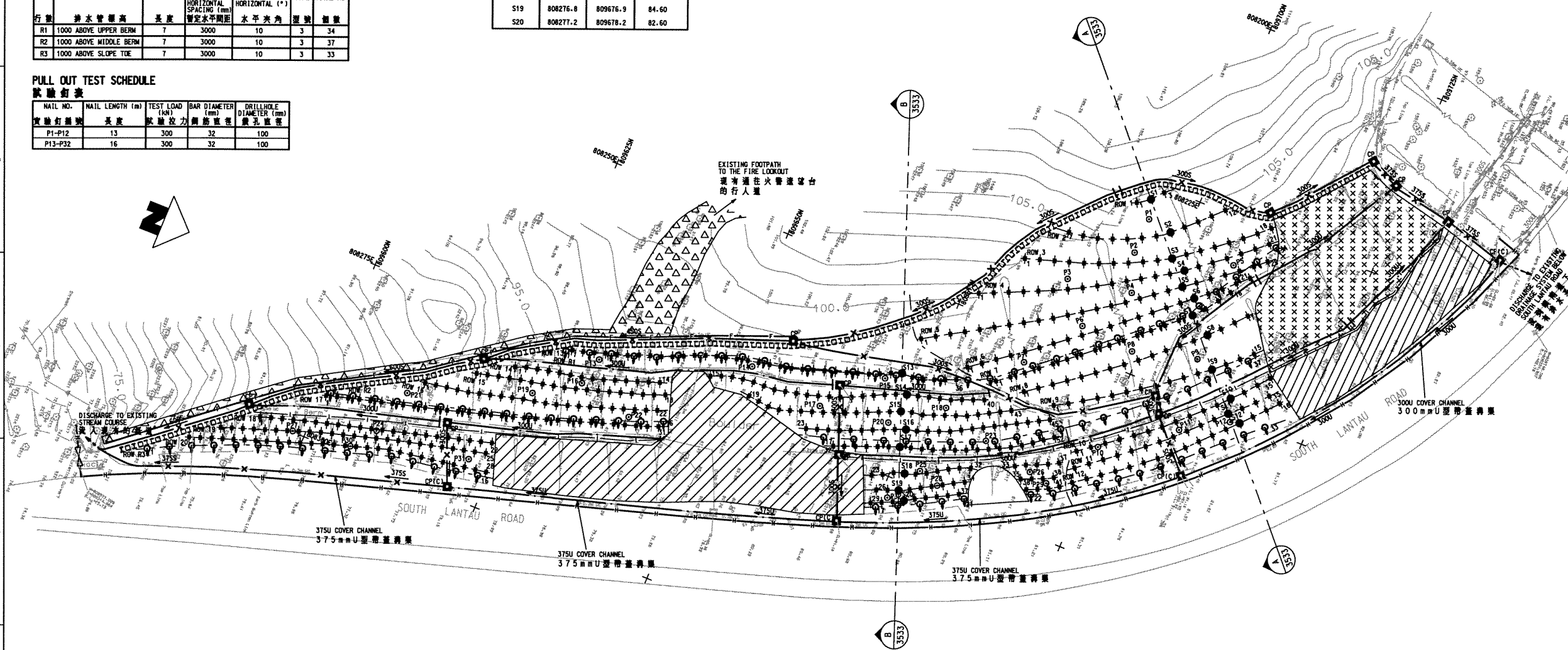
RAKING DRAINS SCHEDULE

ROW	RAKING DRAINS LEVEL	LENGTH (m)	TENTATIVE HORIZONTAL SPACING (mm)	INCLINATION TO HORIZONTAL (°)	TYPE	TOTAL NO.
行號	排水管高度	長度	暫定水平間距	水平夾角	埋設	數量
R1	1000 ABOVE UPPER BERM	7	3000	10	3	34
R2	1000 ABOVE MIDDLE BERM	7	3000	10	3	37
R3	1000 ABOVE SLOPE TOE	7	3000	10	3	33

PULL OUT TEST SCHEDULE

NAIL NO.	NAIL LENGTH (m)	TEST LOAD (kN)	BAR DIAMETER (mm)	DRILLHOLE DIAMETER (mm)
試驗釘號	長度	試驗拉力	鋼筋直徑	鑽孔直徑
P1-P12	13	300	32	100
P13-P32	16	300	32	100

- GENERAL NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NOS. LPM0217/3531, 3533, L3531, STANDARD DRAWINGS AND ALL OTHER RELEVANT DRAWINGS. THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 - THE EXACT BOUNDARY OF THE WORKS SITE AND WORKS AREA SHALL BE CONFIRMED BY THE ENGINEER ON SITE.
 - A TEMPORARY SAFETY FENCE (TYPE C) AND HOARDING SHALL BE CONSTRUCTED ALONG SLOPE TOE AND A TEMPORARY CHAIN LINK FENCE SHALL BE CONSTRUCTED ALONG THE SLOPE CREST AT THE SOUTHERN END AS SHOWN ON THE DRAWING. FOR DETAILS REFER TO STANDARD DRAWING NO. GC1062 AND C1068. THE EXACT EXTENT SHALL BE CONFIRMED ON SITE BY THE ENGINEER.
 - NO TREES AND FERNS SHALL BE FELLED WITHOUT APPROVAL OF THE ENGINEER IN WRITING. THE CONTRACTOR SHALL EXERCISE DUE CARE ON SITE TO AVOID DAMAGE TO ALL EXISTING TREES.
 - EXISTING BACK SCARS SHALL BE TRIMMED EXACT LOCATION FOR TRIMMING SHALL BE DETERMINED ON SITE BY THE ENGINEER.
 - DETAILS OF MAINTENANCE ACCESS ARE IN ACCORDANCE WITH CED STANDARD DRAWING NO. GC1016B FOR CONCRETE MAINTENANCE STAIRWAY.
 - THE EXACT LOCATION OF THE ACCESS STAIRWAY AND STAIRCASE WILL BE CONFIRMED ON SITE BY THE ENGINEER.
 - ALL STEELWORK SHALL BE PAINTED IN ACCORDANCE WITH SYSTEM D OF (S18, S21). FINISHING COAT SHALL BE OF ANTI-ROD CORROSION 251 PAINTING 462U OR AS DIRECTED ON SITE BY THE ENGINEER.
 - REFER TO THE RELEVANT NOTES ON DRAWING NO. LPM 0217/002 FOR THE WORKS AS STATED IN THIS DRAWING.



GENERAL ARRANGEMENT OF WORKS
一般的工作安排

SCALE 1:250

LEGEND

	PROPOSED SOIL NAIL LOCATION 新建泥釘位置		PROPOSED CATCHPIT WITH PRECAST CONCRETE COVER (REFER TO CED STD. DRG. NOS. C2405C AND C2407)
	PROPOSED PULL OUT TEST NAIL 試驗泥釘		PROPOSED CATCHPIT (REFER TO CED STD. DRG. NO. C2405C)
	PROPOSED RAKING DRAINS (TYPE 3) ORIENTATION OF DRAIN SHOWS DRAIN DIRECTION 新建排水管, 排水方向如圖所示 (3 型)		LOCKABLE GATE FOR MAINTENANCE STAIRWAY (REFER TO CED STD. DRG. NO. GC1058B)
	SOIL NAIL SETTING OUT POINT 泥釘定位點		SITE ACCESS 地盤入口
			PROPOSED U-CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新建U型溝渠和磚石護坡及流向
			PROPOSED STEPPED CHANNEL AND MASONRY APRON WITH DIRECTION OF FALL 新建階梯型溝渠和磚石護坡及流向
			TYPE A - SITE OFFICE A 型地盤辦公室的位置
			DRAINAGE WATERSHED 排水分水嶺
			TEMPORARY CHAIN LINK FENCE, EXACT EXTENT TO BE DETERMINED ON SITE BY THE ENGINEER (REFER TO CED STD. DRG. NO. C1006) 臨時圍欄, 準確的範圍位置由工程師確定 (參閱 CED 標準圖 C1006)
			SOIL NAIL ZONE BOUNDARY 泥釘邊界
			HOARDING (TYPE I) (REFER TO CED STD. DRG. NOS. GC1047F) 圍板 (型 I) (參閱 CED 標準圖 GC1047F)
			PROPOSED CONCRETE MAINTENANCE STAIRWAY WITH HANDRAIL ON THE DOWNHILL SIDE 新建混凝土樓梯並在下坡的一邊設有扶手 (參閱 GE0217/1)
			ROCK SLOPE STABILIZATION MEASURES TO BE SPECIFIED BY THE ENGINEER FOLLOWING ERECTION OF INSPECTION SCAFFOLDING 聚散牌手架以後, 岩石質的鞏固措施由工程師確定 (詳閱參照圖 LPM0217/3533)
			NOT LESS THAN 1m OF FOOTPATH ACCESS TO THE FIRE LOOKOUT NOT TO BE DISTURBED 通往火警瞭望台不少於一米的行人道將不致影響

P2	JUL.02	SECOND DRAFT FOR GEO'S COMMENT	EL
MAY02			FM
no.	date	description	initial
REVISION			
no.	date	description	initial
no.	date	description	initial
no.	date	description	initial

Director	Hokow China Ltd.	Date	
file no.	E:\gao\lpm\TRANSLATION\3532P3-CH.dgn		
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contract	CONTRACT NO. GE/2002/17 10-YEAR EXTENDED LPM PROJECT PHASE 2, PACKAGE G - LANDSLIP PREVENTIVE WORKS FOR SLOPES AND RETAINING WALLS 合約編號GE/2002/17 延展十年的防止山泥傾瀉計劃第二期第G組 斜坡和牆土護 防止山泥傾瀉工程		

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Halcrow
合捷中國有限公司

Halcrow China Ltd.
Suite 301, 3F
One-Shan Plaza
77 Moody Road, Tsimshatsui East

office
WORKS DIVISION
GEOTECHNICAL ENGINEERING OFFICE
土木工程測量部

CIVIL ENGINEERING
DEPARTMENT
HONG KONG
土木工程師

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