GEOTECHNICAL PLANNING REVIEW REPORT (GPRR)

FOR

PROPOSED TEMPORARY TRAINING CENTRE (TREE CARE TRAINING CENTRE) FOR A PERIOD OF 3 YEARS

AT

LOT NO. 230 & 581 (PART) IN D.D. 128, LAU FAU SHAN, YUEN LONG, N.T.

ISSUE 1

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1. INTRODUCTION

It is proposed to apply the site to be the temporary training centre (tree care training centre) for a period of 3 years at Lot Nos. 230 and 581 (Part) in D.D. 128, Lau Fau Shan, Yuen Long, N.T. under section 16 of Town Planning Ordinance (Application No. A/YL/-HTF/1191). This report would present a Geotechnical Planning Review Report (GPRR) of the site to support the planning application.

2. SITE DESCRIPTION

The subject site is located at Lot Nos. 230 and 581 (Part) in D.D. 128. A site location plan and site layout plan are shown on Figures 1 and 2, respectively. The site is about rectangular shape on plan and has an area of approximately 2070m² and the site is an open space area with site office, classroom and training facilities. The site location plan for the application site and the proposed layout plan are shown in Figure 1 and 2.

2.1 Existing Features in the Vicinity of the Site

There is one registered feature in the vicinity of the proposed development. The locations of the features are shown in Figure 2. Slope Information System (SIS) reports and Slope Maintenance Responsibility Information System (SIMAR) reports indicating the location of the features and their maintenance responsibility are attached in Appendix A and B. No record of slope instability can be found.

Maintenance Responsibility of features in the vicinity of the proposed development:

<u>Feature No.</u>	Sub-division No.	Maintenance Responsibility
	1	D.D.128 Lot 230
6NW-A/C47	2	D.D.128 Lot 581
	3	Lands Department

Description of the features are as follows:

Feature No. 6NW-A/C47

This is a rectangular shape feature partly located at the eastern boundary of the site. It consists of a vegetated slope with about 5.0m high and has a face angle of about 35°. This feature is about 68m long. The photo is shown in Plate A2 to A5.

3. DESK STUDY

3.1 Site Geology

With reference to the 1:20,000 geological map published by the Geotechnical Control Office, Hong Kong Geological Survey Sheet No. 6, the site is located within the area of megacrystic fine-medium-grained granite (gfm), which is in line with the site observation. It is reasonably expected that the sursurface geology comprises a stratum of CDG. Extract from the geological survey sheet is shown on Figure 3.

No sign of distress was observed in the vicinity of the site during the site reconnaissance.

3.2 Past Ground Investigation and Relevant Geotechnical Record in GIU

Based on the information search in Geotechnical Information Unit (GIU) carried out on 26 June 2025 at Civil Engineering & Development Department (CEDD), there is a ground investigation (GI) which carried out by Vibro (H.K.) Limited under Contract No. GE/2018/06 was found, a drillhole (DH6) is located in the vicinity of the site, it revealed that 4.42m soil materials including fill and grade VI and V materials above the Grade III materials, the drillhole location is shown in Figure 2 and the drillhole record is enclosed in Appendix C. And no other relevant geotechnical record or report could be found in the vicinity of the site.

3.3 Groundwater

There is no piezometer and standpipe monitoring record could be found in the vicinity of the site.

4. GEOTECHNICAL CONSIDERATIONS

4.1 Gradient across the site

The site is located on a level platform with little level difference (i.e. +4.5mPD) to be proposed as a temporary training centre for tree care at Lau Fau Shan, Yuen Long.

4.2 Existing Geotechnical Features

Feature No. 6NW-A/C47

This is a rectangular shape feature which partly located adjacent to the eastern boundary of the site. The proposed development is a temporary training centre for tree care and no foundation works, site formation works or excavation works will be carried out.

In addition, as reported by the representative of the application site, slope upgrading works for the feature no. 6NW-A/C47 was designed by Fugro (Hong Kong) Limited and the works will be carried out by Geotech Engineering Limited under Lands Department Contract No. 8/LANDS/24. The slope upgrading works will tentatively be commenced on July 2025 and the tentative completion date will be on January to April 2026. The slope upgrading works drawings are enclosed in Appendix D.

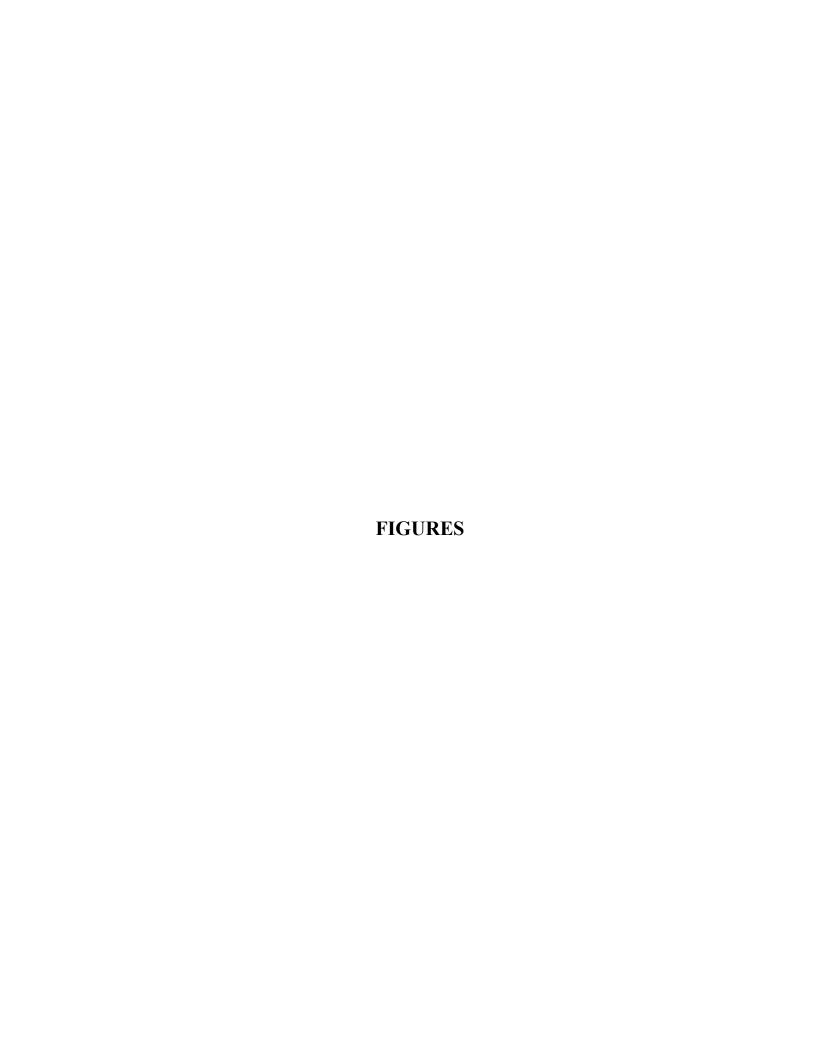
Hence, the proposed development is considered to be feasible from geotechnical point of view.

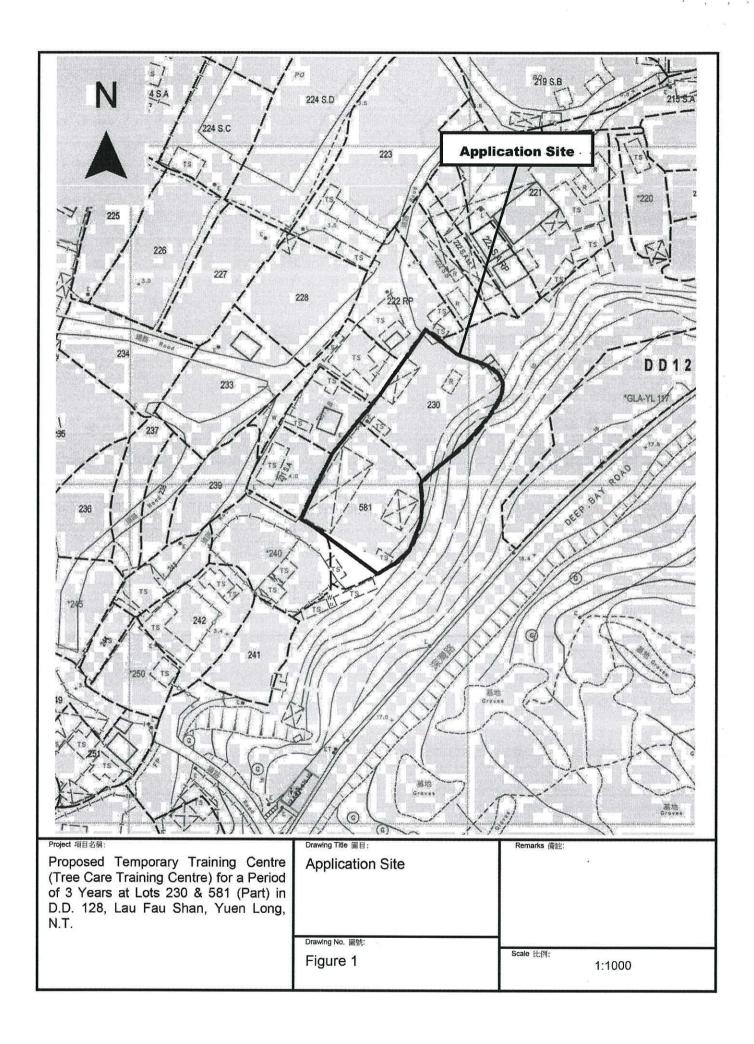
Natural Slope above Feature No. 6NW-A/C47

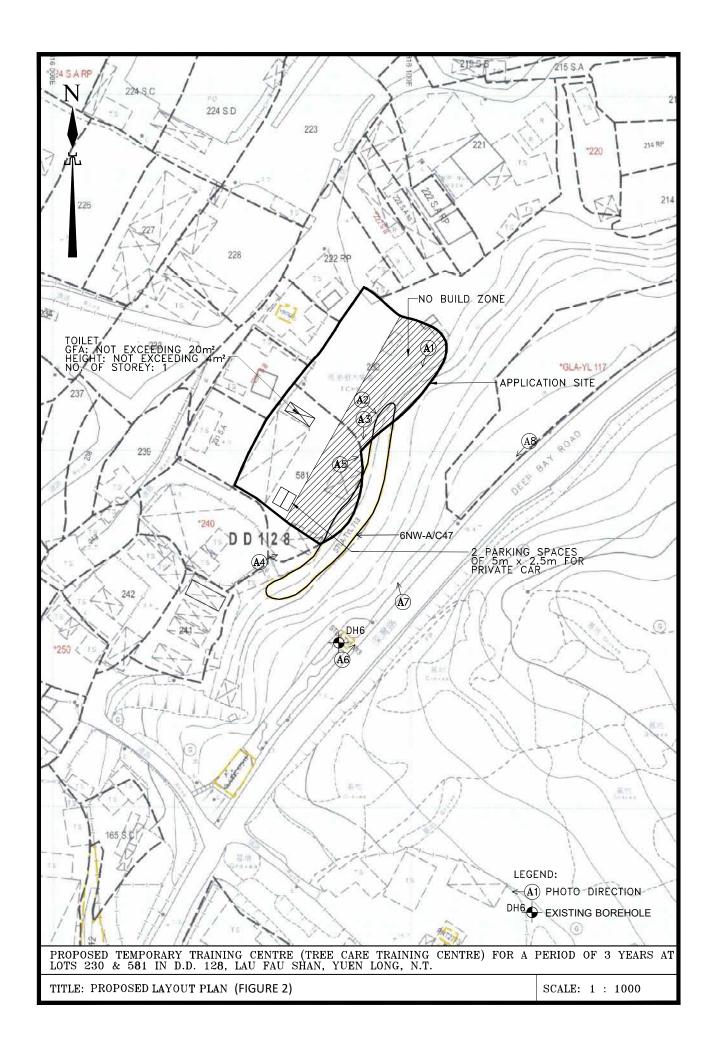
As received the comment from GEO on 13 June 2025 regarding to the natural terrain, the proposed site office, classroom, car park and toilet have been relocated outside the "No-build Zone", the new locations of proposed facilities are shown in Figure 2.

5. CONCLUSION

This report has discussed all the issues concerning the geotechnical planning review under Town Planning Ordinance Section 16 for the captioned project. Since no foundation works, site formation works, building works, or excavation works would be involved in this application, therefore, the stability of existing features would not be affected. In conclusion, the proposed development is considered geotechnically feasible.



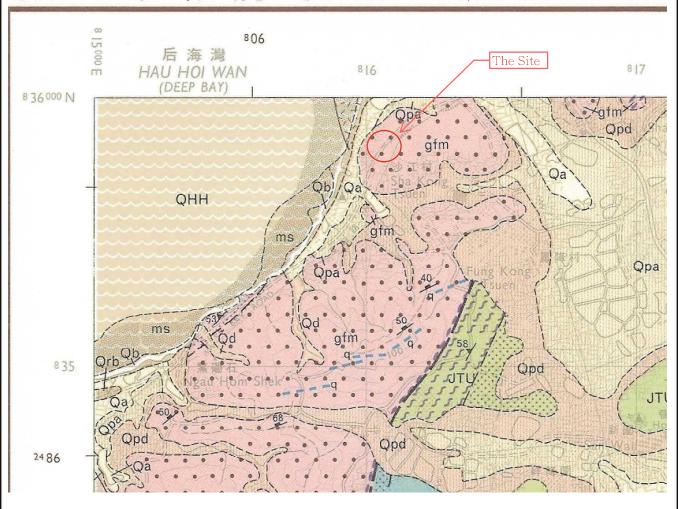




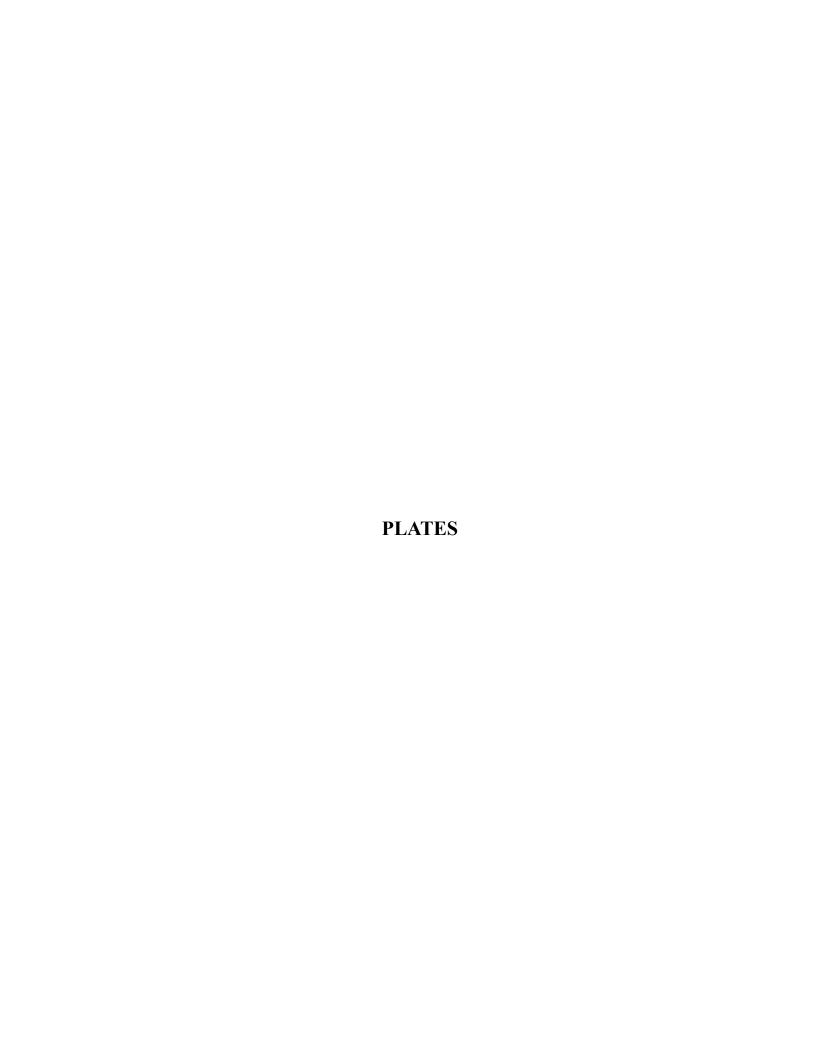
N



Sheet 6 編號 Series HGM 20 組別



Project 項目名稱:	Drawing Title 圖目:	Remarks 備註:
Proposed temporary training centre (tree care training centre) for a period of 3 years at Lot Nos. 230 and 581 (Part) in D.D. 128	Hong Kong Geological Map Sheet No. 6	
		Scale 比例:
	Figure 3	1:20000





A1 - General view of the site (north side looking southern)

Taken at: 18 June 2025



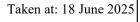
A2 - General view of the site (north side looking eastern)

Taken at: 18 June 2025

Proposed Temporary Training Centre (Tree Care Training Centre) for a Period of 3 Years at Lots 230 & 581 (Part) in D.D.128, Lau Fau Shan, Yuen Long, N.T.



A3 - General view of the site (middle side looking southern)





A4 - General view of the site (south side looking northern)

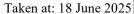
Taken at: 18 June 2025

Proposed Temporary Training Centre (Tree Care Training Centre) for a Period of 3 Years at Lots 230 & 581 (Part) in D.D.128,

Lau Fau Shan, Yuen Long, N.T.



A5 - General view of the site (middle side looking eastern)





A6 - General view of the site (south side looking northern)

Taken at: 18 June 2025

Proposed Temporary Training Centre (Tree Care Training Centre) for a Period of 3 Years at Lots 230 & 581 (Part) in D.D.128,

Lau Fau Shan, Yuen Long, N.T.



A7 - General view of the site (middle side looking northwestern)

Taken at: 18 June 2025



A8 - General view of the site (north side looking southwestern)

Taken at: 18 June 2025

Proposed Temporary Training Centre (Tree Care Training Centre) for a Period of 3 Years at Lots 230 & 581 (Part) in D.D.128,

Lau Fau Shan, Yuen Long, N.T.

APPENDIX A	
SIS FOR REGISTERED FEATURES IN THE VI	CINITY OF THE SITE

BASIC INFORMATION

Location: 9B Sha Kong Tsuen, Lau Fau Shan, Yuen Long.

Date of Formation: pre-1977
Date of Construction/ Modification: N/A

Approximate Coordinates: Easting: 816081 Northing: 835876

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Other non-crowded built-up facilities

Distance of Facility from Toe (m): 0
Consequence-to-life Category: 2
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5 Length (m): 68 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

Maintenance Type: Mixed Party: DD128 Lot230 Agent: N/A Maintenance Type: Mixed Party: DD128 Lot581 Agent: N/A Maintenance Type: Mixed Party: Lands D Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 21-04-2022

Data Source: LPM
Slope Part Drainage: N/A
Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0 Vegetated: 100 Chunam: 0 Shotcrete: 0 Other Cover: 0

Material Description: Material type: Soil Geology: N/A

Berm: No. of Berms: N/A Min. Berm Width (m): N/A

Weepholes: Size (mm): N/A Spacing (m): N/A

Feature No. 6NW-A/C 47

WALL PART

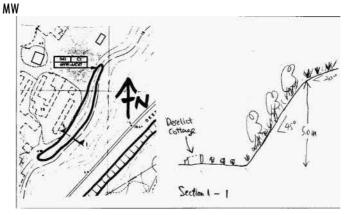
N/A

SERVICES

N/A

STAGE 1 STUDY REPORT

Inspected On: 26-08-1997
Weather: Some Rain
District: MW



 Section No:
 1-1

 Height (m):
 N/A

Type of Toe Facility: Other non-crowded built-up facilities

Distance from Toe (m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest (m): 0 3 Consequence Category: U **Engineering Judgement:** 2-2 **Section No:** Type of Toe Facility: N/A 0 Distance from Toe (m): Type of Crest Facility: N/A Distance from Crest (m): 0 3 Consequence Category: U **Engineering Judgement:**

Sign of Seepage: Slope : Signs of seepage

Wall: N/A

Criterion A satisfied:

Sign of Distress: Slope : Reasonable (at toe)

Wall: N/A

Criterion D satisfied: N
Non-routine maintenance required: N

3

Feature No. 6NW-A/C 47

Note: N/A

Masonry wall / Masonry facing: N Note: N/A

Consequence category (for critical

section):

Observations: N/A
Emergency Action Required: N
Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A / Criterion D: N/A
Action By: N/A
Further Study: N
Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services: N
Action By: N/A
Non-routine Maintenance: N
Action By: N/A

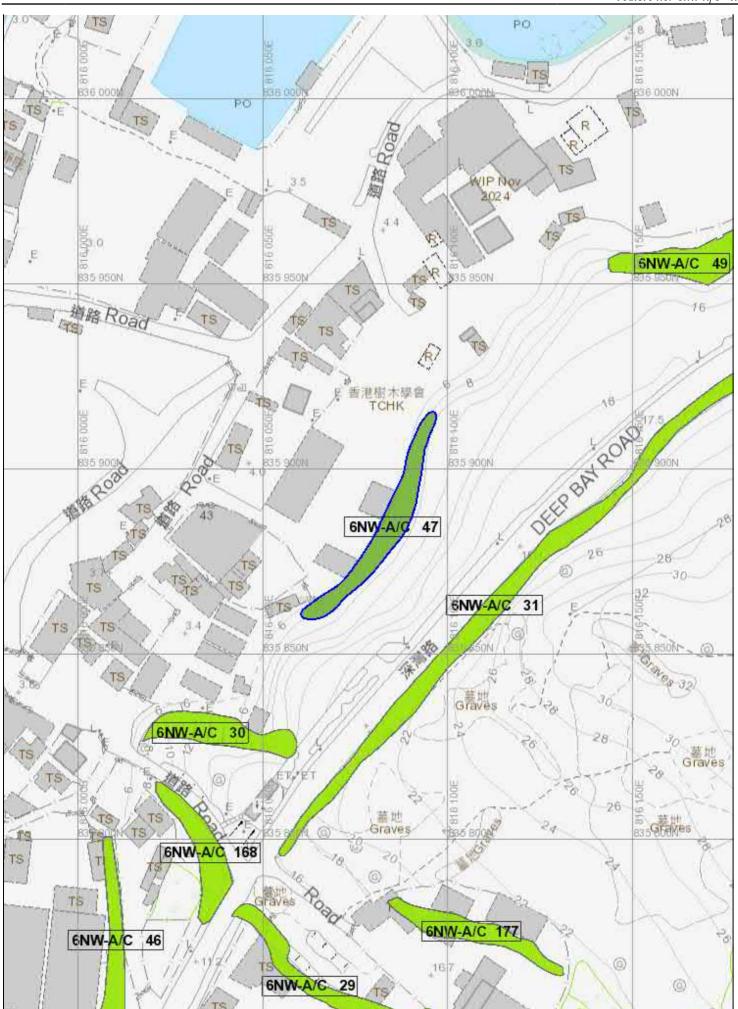
PHOTO











APPENDIX B SIMAR FOR REGISTERED FEATURES IN THE VICINITY OF THE

SITE

Slope Maintenance Responsibility Report

(6NW-A/C47)



List of Slope Maintenance Responsibility Area(s)

1	6NW-A/C47		Sub-Division	1							
	Location	SLOPE FALLS IN DD128 LO	TS230 & 581 & GL W OF DEEP BAY RD								
	Responsible Lot/Party	DD128 Lot230	DD128 Lot230 Maintenance Agent								
	Remarks	Not Applicable	t Applicable								
2	6NW-A/C47		Sub-Division	2							
	Location	SLOPE FALLS IN DD128 LO	'BAY RD								
	Responsible Lot/Party	DD128 Lot581	Maintenance Agent	Not Applicable							
	Remarks	Not Applicable									
3	6NW-A/C47		Sub-Division	3							
	Location	SLOPE FALLS IN DD128 LO	OTS230 & 581 & GL W OF DEEP BAY RD								
	Responsible Lot/Party	Lands Department	Maintenance Agent	Lands Department							
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the									
	IXCIII al AS	Maintenance Agent directly.									

- End of Report -

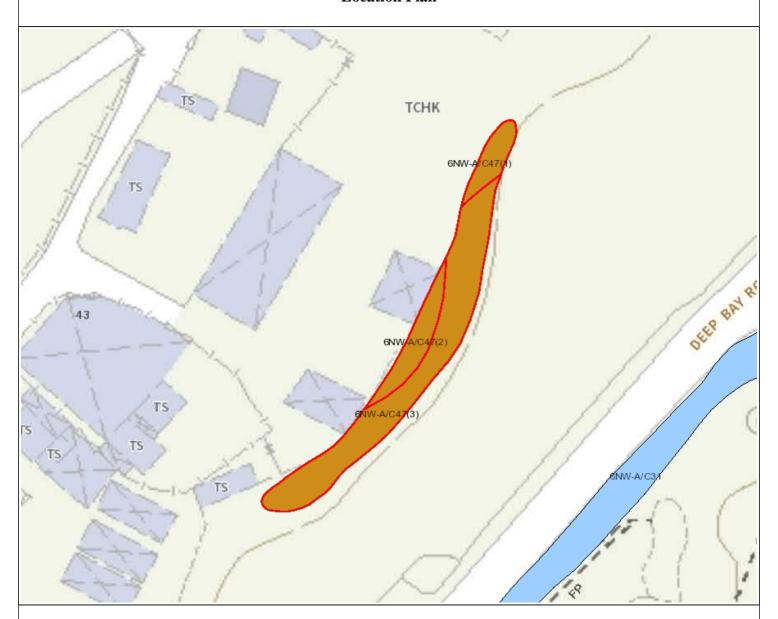
Notes:

- (i) The location plan in Annex is for identification purposes of slope(s) only.
- (ii) The slope(s) as listed in the Slope Maintenance Responsibility Report may not be shown on the location plan in Annex.

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Search Criteria: 6NW-A/C47

Location Plan



Legend

Slope Area(s)

Search Location

Slope(s) Maintained by Government

Slope(s) Maintained by Private Party/Parties

Slope(s) Maintained by Government and Private Party/Parties



ESTATE MANAGEMENT SECTION LANDS DEPARTMENT

This Plan is **NOT TO SCALE** and intended for **IDENTIFICATION** only. All information shown on this plan **MUST** be verified by field survey.

Printed on: 17/06/2025

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Search Criteria: 6NW-A/C47

APPENDIX C

EXTRACTED EXISTING GROUND INVESTIGATION RECORD OBTAINED FROM GIU



Vibro (H.K.) Limited

SITE INVESTIGATION DEPARTMENT

	FINAL FIELDWORK REPORT							
CONTRACT NO.	GE/2018/06							
TASK ORDER NO.	GE/2018/06.86							
PROJECT	Ground Investigation - New Territories West Agreement No. CE 6/2020 (HY) Upgrading of Dec - Investigation	p Bay Road						
CLIENT	Civil Engineering and Development Department							
DATE	27 July 2021							
CHECKED BY		27171202						
CHECKEDET	Geotechnical Engineer	Date						
CERTIFIED BY	th-	27/7/20						
	Contractor's Representative	Date						







VIBRO

DRILLHOLE RECORD

GE/2018/06

HOLE NO.

DH 6

CONTRACT NO. :

SHEET

OF 2

PROJECT Ground Investigation - New Territories West Agreement No. CE 6/2020 (HY) Upgrading of Deep Bay Road - Investigation

MACHINE & NO. VBM22 E 81600							CO-ORDINATES							TASK ORDER NO GE/2018/06.86				
							E 816080	816080.01 N 835846.17						DATE: 29/05/2021 to 31/05/2021				
LUSI	HING	MED	IUM		Wa	ater			ORIENTA	TIC	NC	Vert	ical			GROUND LEVEL + 17.64 mPD		
Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	TCR%	SCR%	RaD%	H	Depth of FI / Test	Tests		Samples No. Type Dep	th +17.64	0.00	Puegend	Grade	Description		
29/05/202			70	90							A 0.56 B 51.59 C 1.50	±17.54	0.10 F	9 1 6 7 6 7 7 7 7 7 7 7	V	Concrete surface. Reddish brown (2.5YR 5/4), motited grey, spotted white, silty fine to coarse SAND with much subangular fine to coarse gravel sized concrete and rock fragments. (FILL) Extremely weak, light grey (N 7), spotted white, complete decomposed medium grained GRANITE. (Silty fine to coarse SAND with some subangular fine to medium gravels) Extremely weak, brown (7.5YR 5/4), streaked white, spotted white, completely decomposed medium grained GRANITE. (Silty fine to coarse SAND with occasional subangular fine to medium gravels)		
	HW 4.32				70 0		83	73		2. 2.4.22 4.42	16 2.5, 5.7,10,9 N=31		2 3.00 3.10 3 3.20 4 3.55 5 4.00 4.32 7.2-101	+13.64	4.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IV III	Weak to moderately weak, light grey (N 7), streaked brown, spotted white, highly decomposed medium graine GRANITE. (Silty sandy subangular fine to coarse GRAVELS) 4.32 - 4.42m: Moderately weak, brown (7.5YR 5/4), dappled light grey, spotted white, highly decomposed
				100			>20	5.04 5.24			T2-I0I 5.6			+++++++++++++++++++++++++++++++++++++++	+	sheared medium grained GRANITE. (Slightly sandy subangular line to coarse GRAVELS) Moderately strong, light greyish brown, dappled brown, spotted black and white, moderately decomposed sheare medium grained GRANITE. Joints are medium spaced, locally extremely closely spaced, rough planar and undulating, slickensided plana extremely narrow, occasional very narrow, iron and manganese oxide stained, dipping 0°-10°, 10°-20°, 30°-4 and 40°-50°.		
			70	84	54	54	NA	7.31 7.53 7.63	46	i	7.10 T2-101	+10.33 +10.11 +10.01	7,31 7,53 7,63	++++++++++++++++++++++++++++++++++++++	V V V V V V V V V V	7.31 - 7.53m : No recovery, inferred to be completely decomposed. 7.53 - 7.63m : Moderately weak, brown (7.5YR 5/4), dappled light grey, spotted white, highly decomposed sheared medium grained GRANITE. (Slightly sandy subangular fine to coarse GRAVELS)		
9/05/202 1/05/202		8.16m at 18:00 Dry at 08:00		100		80	2.3	4.82			T2-I0I	3		-++- -++- -++- -++- -++-		Moderately strong, brown, dappled light greyish brown, spotted black and white, moderately decomposed shears medium grained GRANITE. Joints are medium spaced, locally very closely to closely spaced, occasional extremely closely spaced, rough plar and undulating, slickensided planar and undulating, extremely narrow, iron and manganese oxide stained, dipping 20°-30°, 40°-50°, 50°-60° and 60°-70°.		
Pistor Split s U76 u U100 Mazie	undistu undist er samp	le sample rbed san urbed sa ole			VIII BBI	In-situ Perme Pressu Packe Acousi elevie Plezor Standi	vane eabilit r Tes tic or wer s neter pipe	enetral e shear y test eter tes t optical urvey tip	st	D	OGGED ATE	S. C. 01/06/ Y. M. L	2021	REMA 1. An i 2. A wi 3. A st 4. A pi 5. Piez	naped ater sa andpi ezome comete	Stition pit was excavated to 2.00m. ample was taken at 12.81m. ipe was instelled to 4.32m. eter was installed at 7.46m. er buckets were installed in a) standpipe from 0.30 to 4.30 m at ervals and b) piezometer from 0.50 to 7.00 m at 0.50m intervals.		
Wate	iner sa r samp onmen	11141000	ole			Vibrati	ing w		npling Well zometer r test	D	ATE .	15/06/	2021			J201		



DRILLHOLE RECORD

GE/2018/06

HOLE NO.

DH 6

2

CONTRACT NO. :

SHEET

OF

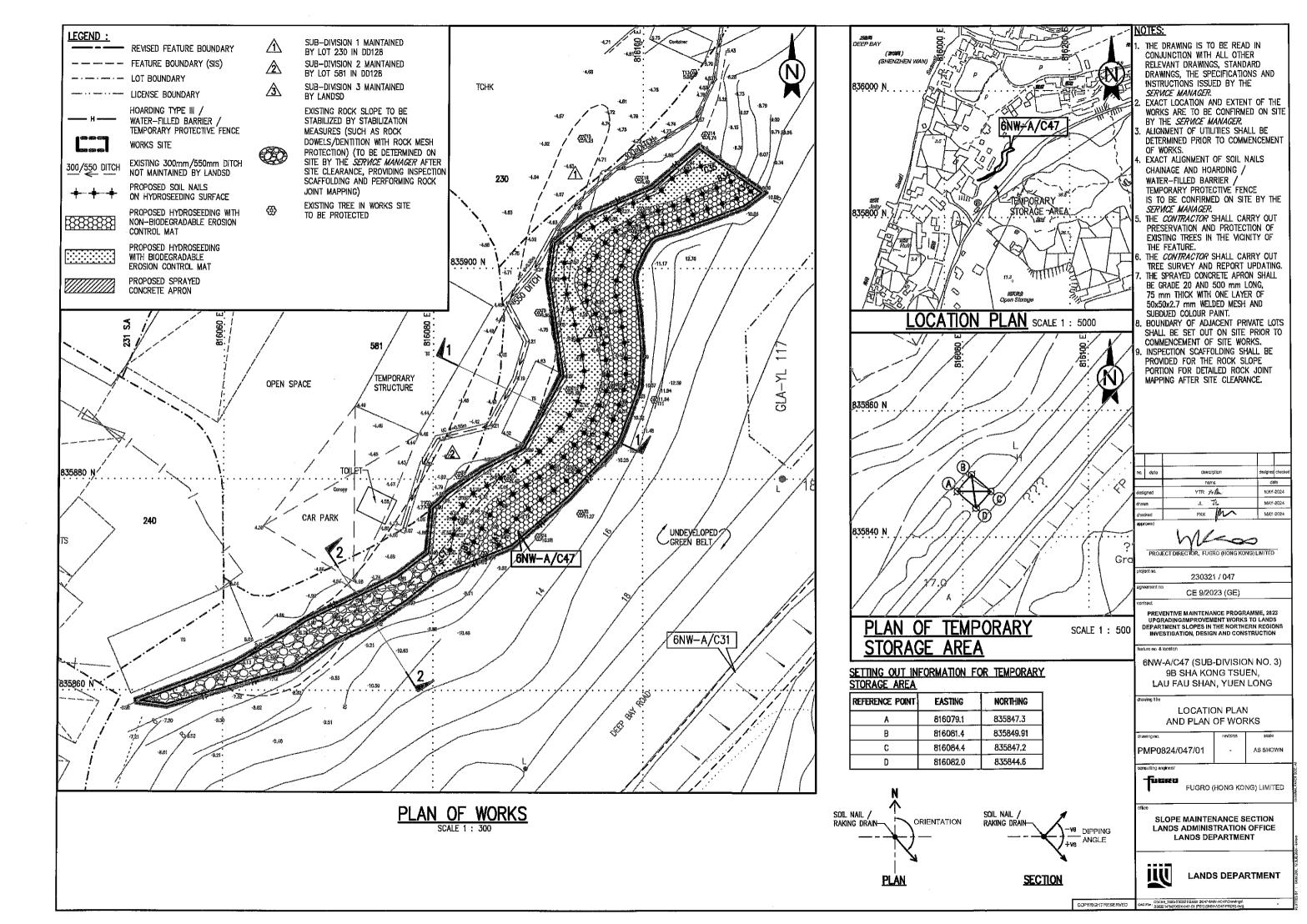
PROJECT

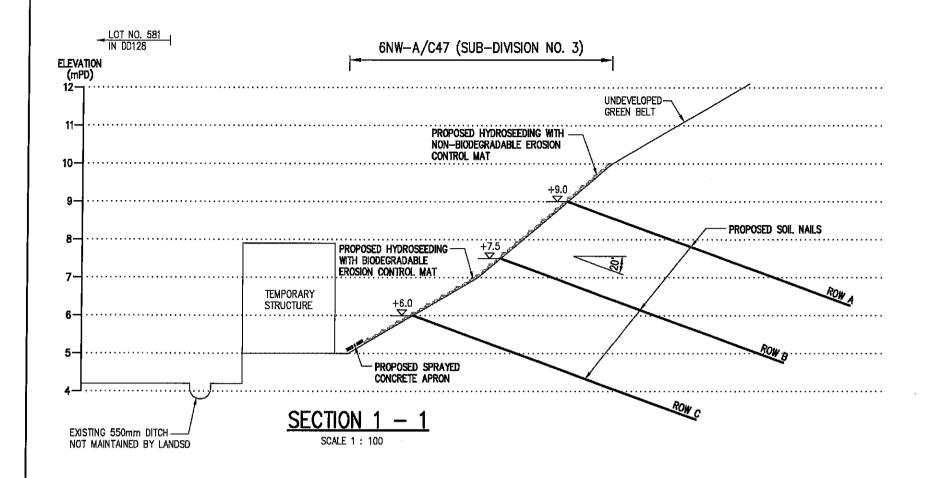
Ground Investigation - New Territories West Agreement No. CE 6/2020 (HY) Upgrading of Deep Bay Road - Investigation

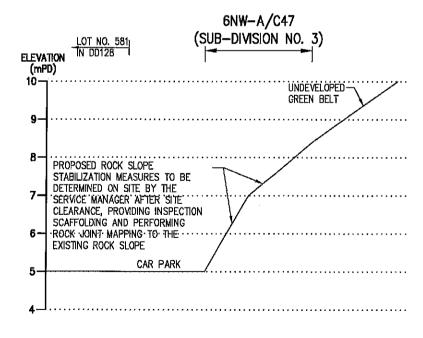
/IETH						tary	_	_	O-ORDIN						TASK ORDER NO GE/2018/06.86
Arganization (I	(e) alsi sa	& NO.				M22		-	816080.			35846	.17		DATE: 29/05/2021 to 31/05/2021
	_	MED	IUM		Wa	ater		_	PRIENTA	TION	Verti	ical			GROUND LEVEL + 17.64 mP
Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	TCR%	SCR%	RQD%	R	Depth of FI / Test	Tests	Samples No. Type Dept	Reduced 17.64	00.00 Depth (m)	Legend	Grade	Description
,			70	Ž		100	2.5	10.02		T2-101 T2-101 T2-101			+++++++++++++++++++++++++++++++++++++++	111	At 9.92m: Moderately weak layer up to 50mm thick, dipping 60°-70°. 11.49 - 12.50m: With some quartz veins up to 120mm thick, dipping 50°-60°.
		10.35m					>20	12,35 12,45					+++		
31/05/2021		at 18:00						J2.81		12.8	1 +4,83	12.81	+ + + + + + + + + + + + + + + + + + +		End of Investigation Hole at 12.81m,
												عينان ويستنيان ويستطينون			
Piston Split s U76 u	samp spoon undistu undist er samp	sample irbed sam turbed sa ple				In-situ Perme Pressi Packe Acous elevie Piezor Stand	vane abilit r Tes ilc or wer s neter olpe	eter test t optical urvey tip		LOGGED DATE CHECKED	S. C. I	2021	REMA	RKS	

APPENDIX D

SLOPE UPGRADING WORKS DRAWING FOR FEATURE NO. 6NW-A/C47







SOIL NAIL SCHEDULE

SOIL NAIL NO.	BAR DIAMETER (mm)	TENTATIVE LEVEL	NOS. OF NAILS	LENGTH OF NAILS (m)	DIPPING ANGLE (DEGREES)	ORIENTATION (DEGREES)	HORIZONTAL SPACING (m)	DRILLHOLE DIAMETER (mm)	SIZE OF SOIL NAIL HEAD (mm x mm)
A1-A32	25	+9.0	32	8	20		1.5	100	800x800
B1-B34	25	+7.5	34	8	20	NORMAL TO SLOPE SURFACE	1.5	100	800x800
C1-C35	25	+6.0	35	8	20	OLON E OUNT /NOE	1.5	100	800x800

SECTION 2 - 2

SCALE 1: 100

NOTES:

- THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, STANDARD DRAWINGS, THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE SERVICE MANAGER.
- EXACT LOCATION AND EXTENT OF THE WORKS ARE TO BE CONFIRMED ON SITE BY THE SERVICE MANAGER.

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chec	ked	PKK W- MAY-	2024		
นาย	жеи	FINA MINITA			

PROJECT DIRECTOR FUGRO (HONG KONG) LIMITED

230321 / 047

ment no. CE 9/2023 (GE)

contract

PREVENTIVE MAINTENANCE PROGRAMME, 2023
UPGRADING/IMPROVEMENT WORKS TO LANDS
DEPARTMENT SLOPES IN THE NORTHERN REGIONS
INVESTIGATION, DESIGN AND CONSTRUCTION

feature no. & locati

6NW-A/C47 (SUB-DIVISION NO. 3) 9B SHA KONG TSUEN, LAU FAU SHAN, YUEN LONG

drawing

SECTIONS AND SCHEDULE

PMP0824/047/02

)2 - AS SHOWN

consulting angines

-fuces

FUGRO (HONG KONG) LIMITED

office

SLOPE MAINTENANCE SECTION LANDS ADMINISTRATION OFFICE LANDS DEPARTMENT



LANDS DEPARTMENT

COPYRIGHTRESERVED CAD FIRE 2003/KPR & Republid 47-8NW-AC47-Type C (R