



R-RICHES
PLANNING LIMITED

盈卓規劃有限公司

Our Ref. : [REDACTED]
Your Ref. : TPB/A/YL-PN/91

The Secretary,
Town Planning Board,
15/F, North Point Government Offices,
333 Java Road,
North Point, Hong Kong

By Email

8 July 2026

Dear Sir,

1st Further Information

**Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm and Fishing Ground),
Holiday Camp, Barbecue Site and Animal Boarding Establishment with Ancillary Facilities and
Associated Filling of Land for a Period of 3 Years in "Agriculture" Zone,
Various Lots in D.D.135 and Adjoining Government Land, Pak Nai, Yuen Long, New Territories**

(S.16 Planning Application No. A/YL-PN/91)

We are writing to submit further information to address departmental comments of the subject application (**Appendix I**).

Should you require more information regarding the application, please contact our Mr. Danny NG at [REDACTED] or the undersigned at your convenience. Thank you for your kind attention.

Yours faithfully,

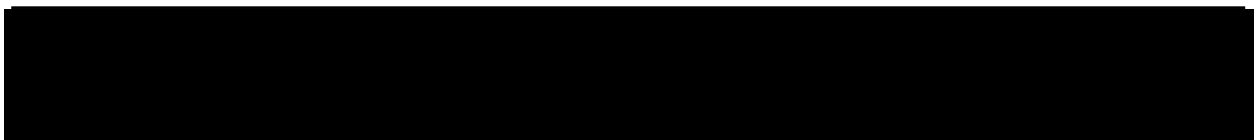
For and on behalf of
R-riches Planning Limited

Louis TSE
Town Planner

cc DPO/TMYLW, Pland

(Attn.: Mr. Aiden CHU
(Attn.: Ms. Belva TONG

email: aspchu@pland.gov.hk)
email: byktong@pland.gov.hk)



Responses-to-Comments

**Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm and Fishing Ground),
Holiday Camp, Barbecue Site and Animal Boarding Establishment with Ancillary Facilities and
Associated Filling of Land for a Period of 3 Years in "Agriculture" Zone,
Various Lots in D.D.135 and Adjoining Government Land, Pak Nai, Yuen Long, New Territories**

(Application No. A/YL-PN/91)

(i) The applicant would like to provide clarifications on the subject application, details are as follows:

- Referring to the submitted supplementary statement paragraph 3.6, no cooking procedures will be carried out at Structure B6. The cooking procedures will only be carried out at Structure B5 (i.e. Canteen for staff and visitor) to facilitate the proposed development.
- No public announcement system or any form of audio amplification system will be used at the application site (the Site) during the planning approval period.

(ii) A RtoC Table:

Departmental Comments		Applicant's Responses
1. Comments of the Director of Agriculture, Fisheries and Conservation (DAFC) (Contact Person: Dr. Azaria WONG; Tel: 2150 6932)		
(a)	<u>From nature conservation perspective:</u> There are ponds and watercourses in the vicinity of the site. The applicant should provide more information on how to minimize disturbances and polluting the nearby waterbodies.	2.5m high solid metal wall will be erected along the Site boundary to mitigate any potential nuisance to the surrounding areas. 3m buffer area along the site boundary and the watercourse adjacent to the Site is also proposed by the applicant as a buffer to minimise any potential impacts arising from the Site, as well as to separate the Site and the nearby sensitive receivers.

		In addition, according to the submitted drainage impact assessment (DIA), the surface runoff will be discharged by means of 750mm U-channels and 900mm pipe connecting to existing 3m open rectangular channel. The DIA concluded that no unacceptable drainage impact is anticipated. Sufficient drainage facilities will be provided by the applicant after planning permission has been granted by the Town Planning Board (the Board). Therefore, disturbance and polluting to the nearby waterbodies should not be anticipated.
(b)	<u>From animal business regulation perspective:</u> The subject address has NO application / licensed premises granted by Animal Business Regulatory Section under Cap139B, 139F, 139I and 139J at the address (Lots 24 RP, 26 RP, 27 RP, 28, 29, 30, 31, 32, 34, 37, 38, 39 (Part), 42 S.A, 42 RP, 43 and 44 in D.D. 135 and Adjoining Government Land, Pak Nai, Yuen Long, New Territories). Under the Public Health (Animals) (Boarding Establishment) Regulations, Cap. 139I, any person who provides food and accommodation for animals in return for a fee paid by the owner must apply for a Boarding Establishment Licence from this department. The applicant should also be reminded that the establishment and ancillary facilities which is licensed under the Cap 139I Public Health(Animals)(Boarding Establishment) Regulations must always fulfill the criteria listed in the Regulations. We will provide detail information and guidance on Animal Boarding Establishment when the applicant submits licence application to us. The applicant is advised to note that the setting up and running of an Animal Shelter for stray/homeless animals (which does not involve providing animal accommodation in return for a fee) does	Noted. The applicant will apply relevant licenses to rectify the applied uses after planning permission has been granted by the Board.

	not require an Animal Boarding Establishment Licence under Cap. 139I and further advice should be sought from Animal Management (Operation) Division for relevant information as applicable.	
2. Comments of the Director of Environmental Protection (DEP) (Contact Person: Ms. Tiffany CHAN; Tel: 2835 1600)		
(a)	Please clarify with the applicant whether the septic tank to be constructed will involve soak away system	As there is no existing public sewer in the vicinity of the Site, septic tank with soakaway system will be provided within the Site for sewage treatment.
3. Comments of the Head of the Geotechnical Engineering Office, Civil Engineering and Development Department (H(GEO), CEDD) (Contact Person: Ms. Celia YANG; Tel: 2762 5372)		
(a)	The subject site is overlooked by steep natural terrain and meets the alert criteria for a natural terrain hazard study (NTHS). The applicant is required to submit a GPRR in support of the Planning Application. The content of the GPRR submitted is noted. However, no content related to natural terrain hazard is incorporated in the GPRR.	Noted. Section 7 is provided in the report to discuss on the natural terrain hazard study (NTHS). Please refer to the revised Geotechnical Planning Review Report for details (Annex I).
(b)	The GPRR should include a preliminary geotechnical review of the natural terrain hazards, assess the geotechnical feasibility of the proposed development, and where necessary, indicate the recommended extent of the NTHS study area and a commitment to undertake the NTHS and to carry out any necessary mitigation measures as part of the proposed development. Other essential contents of a GPRR are given in the attached GEO Advice Note (Annex 1).	Noted. The recommended extent of the NTHS area is suggested in the Section 7. NTHS would be conducted and to carry out any necessary mitigation measures as part of the proposed development.

(c)	Given the temporary nature and the proposed use of the subject site, the requirement for NTHS might make the case not economically viable. As an alternative, part of the subject site may be designate as a “no-build” zone (Annex 2). No critical facilities (Group 1 to 3 facilities as stated in Annex 3) should be located within the no-build zone. In particular, the proposed structure B3, B4 and B5 should be located away from the “no build” zone. With the inclusion of the “no-build” zone, the requirement for NTHS may be waived.	The recommended extent of the NTHS area is suggested. NTHS would be conducted and to carry out any necessary mitigation measures as part of the proposed development.
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Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm and Fishing Ground), Holiday Camp, Barbecue Site and Animal Boarding Establishment with Ancillary Facilities and Associated Filling of Land for a Period of 3 Years

Various Lots in D.D. 135 And Adjoining Government Land, Pak Nai, Yuen Long, New Territories

Geotechnical Planning Review Report (GPRR)

July 2026

AMENDMENT RECORD

REVISION NO.	DESCRIPTION	PREPARED BY (Date)	REVIEWED BY (Date)	APPROVED BY (Date)
1.0	Draft GPRR	4/5/2026	5/5/2026	5/5/2026
2.0	Final GPRR	3/7/2026	6/7/2026	6/7/2026

CONTENT PAGE

1. PROJECT BACKGROUND	4
Introduction	4
Objective of the Assessment	4
2. SITE DESCRIPTION	5
Description of Existing Environment	5
Proposed Development Scheme	5
3. EXISTING PLANNING AND IMPLEMENTATION PROGRAMME	8
4. EXISTING GEOTECHNICAL CONDITION	8
Site Geology	8
Existing Ground Investigation	8
Soil Properties	8
Existing Structure	8
5. EXISTING GEOTECHNICAL FEATURES	8
6. POTENTIAL GEOTECHNICAL IMPACTS	10
Proposed Works	
7. NATURAL TERRAIN HAZARD STUDY	10
8. CONCLUSION	11

APPENDICES

Appendix A	Site Location Plan
Appendix B	Proposed Development Plan
Appendix C	Information of Existing Slopes/Retaining Walls
Appendix D	Part Print of The Geological Survey Map
Appendix E	Previous G.I. Information in Vicinity
Appendix F	Natural Terrain Landslide Inventory Map
Appendix G	Scheduled Area
Appendix H	Nature Terrain Hazard Study Plan

LIST OF TABLES

Table 1	Slope Information of the features
Table 2	Maintenance Responsibility of the 5NE-B/C 64
Table 3	Maintenance Responsibility of the 5NE-B/C 75

1 Project Background

Introduction

- 1.1 The applicant seeks planning permission from the Town Planning Board (the Board) under Section (S.) 16 of the Town Planning Ordinance (Cap. 131) (the Ordinance) to use Various Lots in D.D. 135 And Adjoining Government Land, Pak Nai, Yuen Long, New Territories (the Site) for 'Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm And Fishing Ground), Holiday Camp, Barbecue Site and Animal Boarding Establishment With Ancillary Facilities and Associated Filling of Land for a Period of 3 Years'.
- 1.2 According to the Approved Sheung Pak Nai and Ha Pak Nai Outline Zoning Plan ("OZP") No. S/YL-PN/9, the application site currently falls within "Agriculture" ("AGR") zone. A planning permission for the proposed temporary hobby farm, fishing ground, holiday camp, barbecue site and animal boarding establishment, as well as the proposed filling of land, are required on application to the Town Planning Board ("TPB") under Section 16 of the Town Planning Ordinance.

Objective of the Assessment

- 1.3 The objective of this report is to present the Geotechnical Planning Review Report for Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm And Fishing Ground), Holiday Camp, Barbecue Site and Animal Boarding Establishment With Ancillary Facilities and Associated Filling of Land for a Period of 3 Years on the available ground information.
- 1.4 The proposed development involved the construction of 6 nos. of one-storey structure with no basement. This geotechnical review is prepared in accordance with the requirements set out in PNAP-APP25 (PNAP 78). The purpose of this review is to demonstrate that the proposed development at the Site will not have any unacceptable geotechnical risks.
- 1.5 This report contains the following two items.
 - i. Impact and proposed investigation to the adjoining premises
 - ii. Conclusion and recommendation

2 Site Description

Description of Existing Environment

- 2.1 The area of the application site is about 16,283m² and it is located at Pak Nai in Yuen Long District. Existing site levels ranging from +4.4 mPD to +5.2 mPD.
- 2.2 The Site is primarily in an area of rural character, with some vegetation cover. There are several single-storey structures which were for residential and farming use.
- 2.3 The site is currently a vacant land overgrown with weeds and different tree groups. The location of the Site is shown on Drawing No. PLAN 1 in **Appendix A**.

Proposed Development Scheme

- 2.3.1 The site is proposed to be a temporary place of recreation, sports or culture (hobby farm and fishing ground), holiday camp, barbecue site and animal boarding establishment with ancillary facilities and associated filling of land for a period of 3 years. A proposed master layout plan with Drawing No. PLAN 9 is enclosed in **Appendix A**.
- 2.3.2 The following uses or facilities will be provided:
 - I. Site Office, Reception and Washroom;
 - II. Animal Boarding Establishment
 - III. Canteen For Staff and Visitor
 - IV. Agricultural Education, Office and Store Room
 - V. Area Reserved for Recreational, Sports or Cultural Activities
 - VI. Hobby Farming Area
 - VII. Activity Room
 - VIII. Tent Camping Area and Barbecue Area
- 2.4 Six structures are proposed at the Site for reception, washroom, animal boarding establishment, canteen for staff and visitor, agricultural education and store room, site office with total GFA of approximately 1,213 m². The layout plan of the proposed development on drawing no. PLAN4 in **Appendix B**.
- 2.5 Part of the site is proposed to be filled wholly with concrete pavement for the access road, formation of structures and circulation space as shown on drawing no. PLAN5 in **Appendix B**. As heavy loading of structures and vehicles would compact the existing soiled ground and weaken the ground surface, concrete site formation is required to meet the operation needs and that has been kept to minimal for the operation of the proposed development.
- 2.6 The Existing Site falls from south to north, following the natural topography of the area. The proposed site falls from approximately +4.6 mPD to +5.3 mPD (South to North). There will be no substantial changes in levels at the Site as a result of the proposed development.

3 EXISTING PLANNING AND IMPLEMENTATION PROGRAMME

- 3.1 The Project is being planned and implemented under the supervision of appropriately qualified and experienced professionals. The construction of any works for the Project will be carried out by a Registered General Building Contractor to be appointed following a tendering process prior to the construction phase. If necessary, registered specialist contractors in ground investigation may get involved.

4 EXISTING GEOTECHNICAL CONDITION

Site Geology

- 4.1 According to the 1:20000 scale geological map published by the Geotechnical control Office (Sheet 3:HGM20 Series: Edition 1 - 1991), the site is underlain by DEBRIS FLOW DEPOSITS (Figure 1). Part print of geological map is enclosed in **Appendix D**.



Figure 1 – Solid and Superficial Geology in the vicinity of the Site

Existing Ground Investigation (GI)

- 4.2 There is no GI information within the site area. The closest GI information is located away approximately 25m from the Site, which is shown (C75-DH1) in the plan of **Appendix E**. It was carried out by Vibro (H.K.) Limited. in January 2005. The hole is terminated at around 9.46m deep below the existing ground. Location and detailed information of boreholes is enclosed in **Appendix E**.
- 4.3 Based on the closest borehole log, the concerned site is underlain by Saprolitic Soil for around 1m deep below ground level below a 1.4m Residual Soil layer. The rock head level was noted to be found at depth of 4.20m below existing ground level at around +9.65mPD.

- 4.4 According to the response test and the monitoring records of the piezometers installed in the previous GI, the highest measured groundwater table is located at 3.8mPD.

Soil Properties

Residual Soil

Firm, brown, slight sandy SILT with occasional angular to subangular fine gravel

Saprolitic Soil

Extremely weak, light brown and brown, completely decomposed mylonitic, medium grained granite (Sandy silt with some angular to subangular fine gravel)

Extremely weak to very weak, light brown and greyish brown, completely decomposed mylonitic, medium grained granite (very silty fine to coarse sand with some angular fine to medium gravel)

- 4.5 Existing Registered Retaining Wall

- 4.6 There is no existing registered retaining wall observed within or in the vicinity of the Site.

Existing Structure

- 4.7 There are 4 nos. of 1 storey concrete structures within the site area.

Landslide of Natural Terrain

- 4.8 According to the Natural Terrain Landslide Inventory Map, no Relict Landslide or Recent Landslide is found in the vicinity of the Site (Figure 2). The map is enclosed in **Appendix F** for easy reference.



Figure 2 – Extract from Natural Terrain Landslide Inventory Map

Existing Utilities

- 4.9 No available information of the utilities can be obtained.

Scheduled Area

- 4.10 The Site is located outside the Schedule Area No. 2 (North-western New Territories) and Schedule Area 3 (The Railway Protection Zone). Plan of the Schedule Areas are enclosed in **Appendix G**.

5 EXISTING GEOTECHNICAL FEATURES

- 5.1 According to our search in Geotechnical Information Infrastructure (Ginfo) of Geotechnical Engineering Office (GEO) from Civil Engineering and Development Department (CEDD), there is no previous Ground Investigation (GI) record in the vicinity of on the features.
- 5.2 According to the Slope Information System (HKSIS), there are two existing features in close proximity to the site (Figure 3). The feature is listed as follow:

Table 1: Slope Information of the features

Feature No.	Max. Height (m)	Length (m)	Face Angle (°)
5NE-B/C 64	5	50	40
5NE-B/C 75	6.2	25	60



Figure 3 – Extract from Natural Terrain Landslide Inventory Map

- 5.3 According to the Slope Maintenance Responsibility Information System (SMRIS), there are two existing features in close proximity to the Site. The feature is listed as follow:

Table 2: Maintenance Responsibility of the 5NE-B/C 64

Feature No.	Sub-division No.	Responsible Lot/ Party	Maintenance Agent
5NE-B/C 64	0	People's Liberation Army (PLA)	People's Liberation Army (PLA)

Table 3: Maintenance Responsibility of the 5NE-B/C 75

Feature No.	Sub-division No.	Responsible Lot/ Party	Maintenance Agent
5NE-B/C 75	1	DD135 Lot 59RP (Private)	N/A
	2	LandsD	LandsD

Previous Studies/ Works of Feature No. 5NE-B/C 64

- 5.4 The feature is located approximately 20m away at the North-East Direction from the proposed site and separated by an existing stream. According to SIS, the area at toe is considered as "Remote area or abandoned facilities" and the "Consequence-to-life Category" is considered as 3, which means the concerned facilities lie beyond the possible extreme travel distance of landslide debris, according to TGN15 and the Geotechnical Manual for Slopes.
- 5.5 According to SIS records, no checking record in any public project files or private development files under this slope feature.

Previous Studies/ Works Feature No. 5NE-B/C 75

- 5.6 The feature is also located approximately 20m away at the South-West Direction from the proposed site. Since there are existing structures at toe of the north portion of the slope, the area at toe is considered as "Cottage, licensed and squatter area" according to SIS. The "Consequence-to-life Category" is considered as 1, which means the concerned facilities lie within the expected travel distance of debris according to TGN15 and the Geotechnical Manual for Slopes.

According to SIS records, A stage 2 study was carried out in 2007 by Geotechnical Engineering Office (GEO) under CE24/2004. It was recommended that no action required for the feature.

6 POTENTIAL GEOTECHNICAL IMPACTS

- 6.1 Based on the preliminary review of the geological conditions including the loading from the proposed buildings, surrounding natural terrain and slopes are considered feasible.

Proposed Works

Temporary Structures

- 6.2 The proposed scheme comprises **6** nos. of one storey, low rise structure. As the loading from the low structure building is comparatively general, no foundation is proposed for the proposed buildings. The proposed temporary structures shall have no effect or impact to the stability of all slopes (man-made), retaining walls and existing building or structures near the Site.

Surrounding Geotechnical Feature

- 6.3 The existing 2 registered features, 5NE-B/C 64 and 5NE-B/C 75 are located at least 20m from the site boundary. An existing stream (with approx. 3.5m width) outside the site boundary has separated the site from the feature no. 5NE-B/C 64. No bulk excavation and percussive construction works will be carried out at the feature. The features are unlikely be affected by the development. As these two man-made features are located outside 6m of subject site. Due to their distance and the slope heights, no further studies or remedial actions is recommended. No existing landslides, HLC, incident reports, or other evidence of past instability are recorded. No significant boulders are recorded or observed on site.

7 NATURAL TERRAIN HAZARD STUDY

- 7.1 There is no natural terrain within the subject Site. The natural terrain is located at the Southeast side of the Site. Nature terrain hazard study would be conducted and to carry out any necessary mitigation measures as part of the proposed development. The proposed extent of natural terrain hazard study is highlighted under Figure 4 below and attached in Appendix H. However, the actual extent will be subjected to final layout and activity zone of the academy

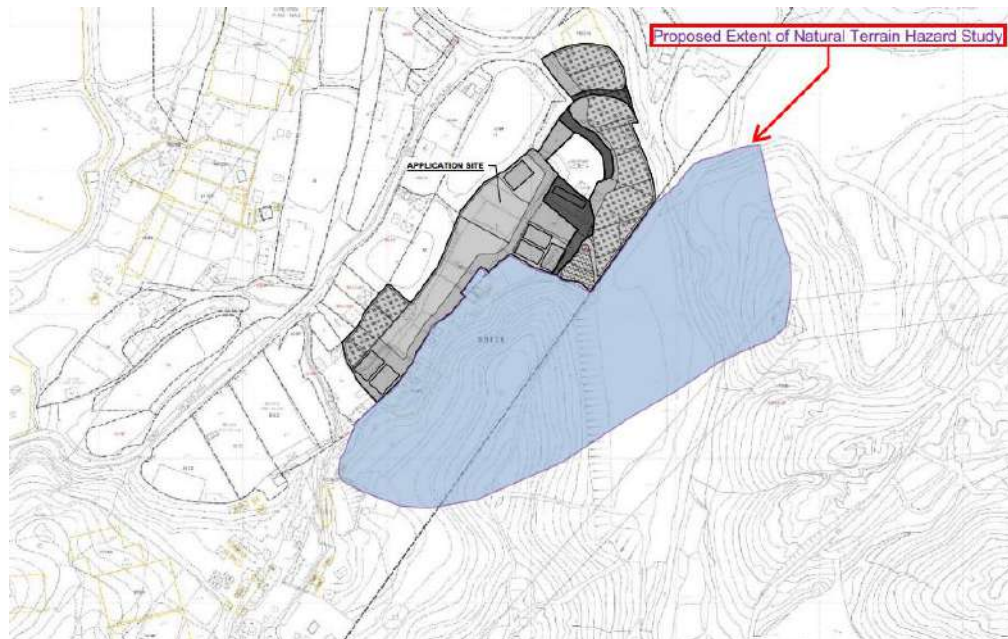


Figure 4 – The Proposed Extent of Natural Terrain Hazard Study

8 CONCLUSION

8.1 A review of the site conditions and the geotechnical works likely to be carried out for the proposed planning application has been carried out and the following conclusion can be made.

8.2 On the basis of the available geotechnical information, the following conclusions and recommendations are drawn:

Suitable groundwater control scheme shall be considered in design to avoid excessive groundwater drawdown at the adjacent area. Permanent drainage system shall also be proposed. Runoff from the surroundings will be collected and discharged to the new / existing channels via catch-pits, manholes, before discharging into the existing public storm water drainage system

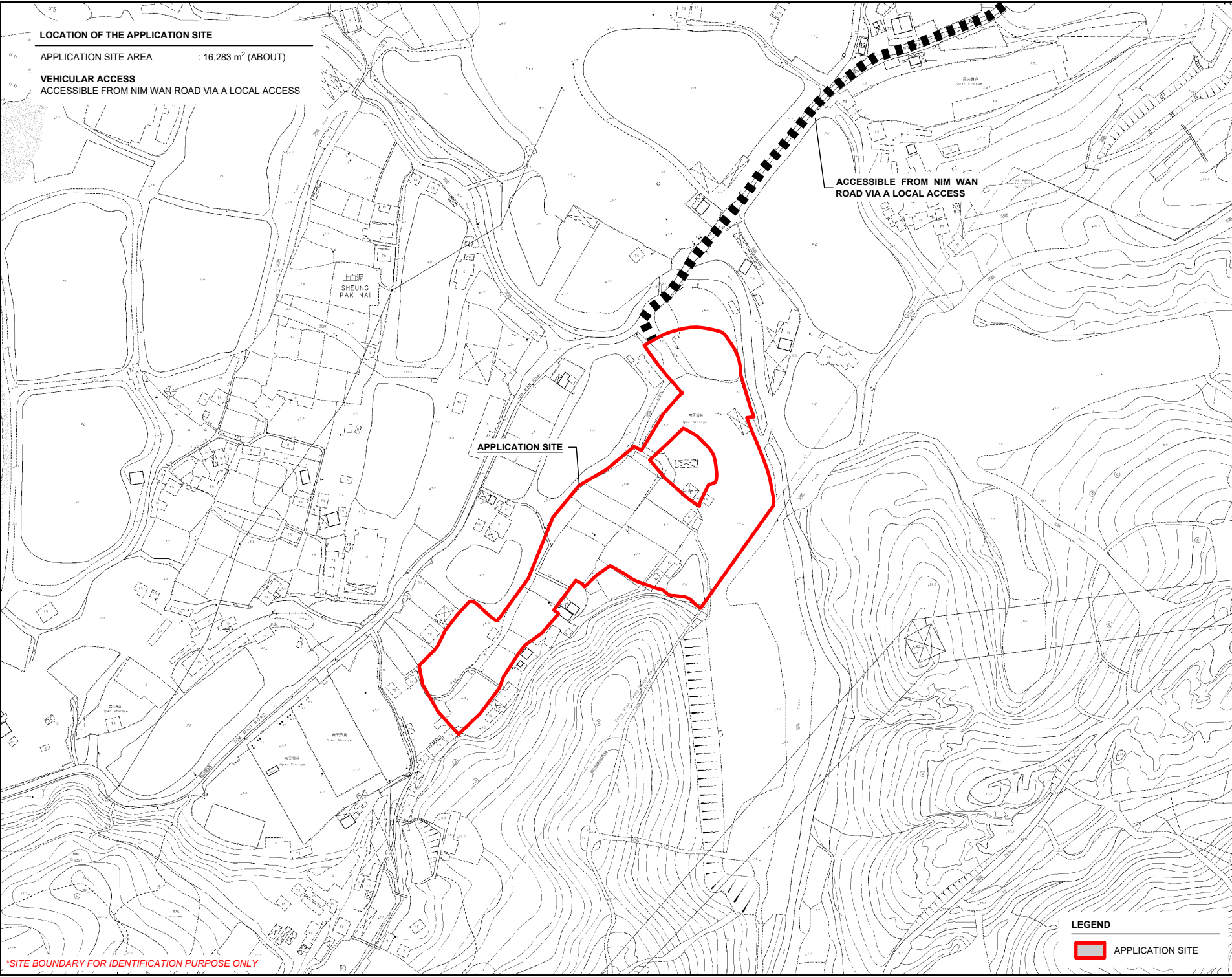
Deep excavation for the proposed scheme shall not be required.

8.3 In the light of above, we consider that proposed development would not cause any adverse environmental nor geotechnical problems to the surrounding areas. Therefore, the proposed development is considered geotechnically satisfactory from the geotechnical point of view.

July 2026

Appendix A

Site Location Plan

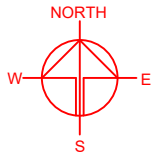


LOCATION OF THE APPLICATION SITE

APPLICATION SITE AREA : 16,283 m² (ABOUT)

VEHICULAR ACCESS

ACCESSIBLE FROM NIM WAN ROAD VIA A LOCAL ACCESS



ACCESSIBLE FROM NIM WAN ROAD VIA A LOCAL ACCESS

APPLICATION SITE

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY

PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM AND FISHING GROUND), HOLIDAY CAMP, BARBECUE SITE AND ANIMAL BOARDING ESTABLISHMENT WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION

VARIOUS LOTS IN D.D. 135 AND ADJOINING GOVERNMENT LAND, PAK NAI, YUEN LONG, NEW TERRITORIES

SCALE

1 : 3000 @ A4

DRAWN BY

LT

DATE

28.4.2026

REVISED BY

DATE

APPROVED BY

DATE

LEGEND



APPLICATION SITE

DWG. TITLE

LOCATION PLAN

DWG NO.

PLAN 1

VER.

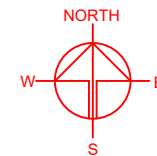
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Appendix B

Proposed Development Plan

ZONING OF THE APPLICATION SITE

APPLICATION SITE AREA : 16,283 m² (ABOUT)
 OUTLINE ZONING PLAN : APPROVED SHEUNG PAK NAI AND HA PAK NAI OZP
 OZP PLAN NO. : S/YL-PN/9
 ZONING OF THE SITE : "AGR" - "AGRICULTURE"



具特殊科學價值地點
 SITE OF SPECIAL
 SCIENTIFIC INTEREST

上 白 泥
 SHEUNG PAK NAI

APPLICATION SITE

NIM WAN ROAD

CPA

AGR

Tsing Shan Firing Range Boundary

LEGEND

APPLICATION SITE

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY

PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM AND FISHING GROUND), HOLIDAY CAMP, BARBECUE SITE AND ANIMAL BOARDING ESTABLISHMENT WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION

VARIOUS LOTS IN D.D. 135 AND ADJOINING GOVERNMENT LAND, PAK NAI, YUEN LONG, NEW TERRITORIES

SCALE

1 : 5000 @ A4

DRAWN BY

LT

DATE

28.4.2026

REVISED BY

DATE

APPROVED BY

DATE

DWG. TITLE

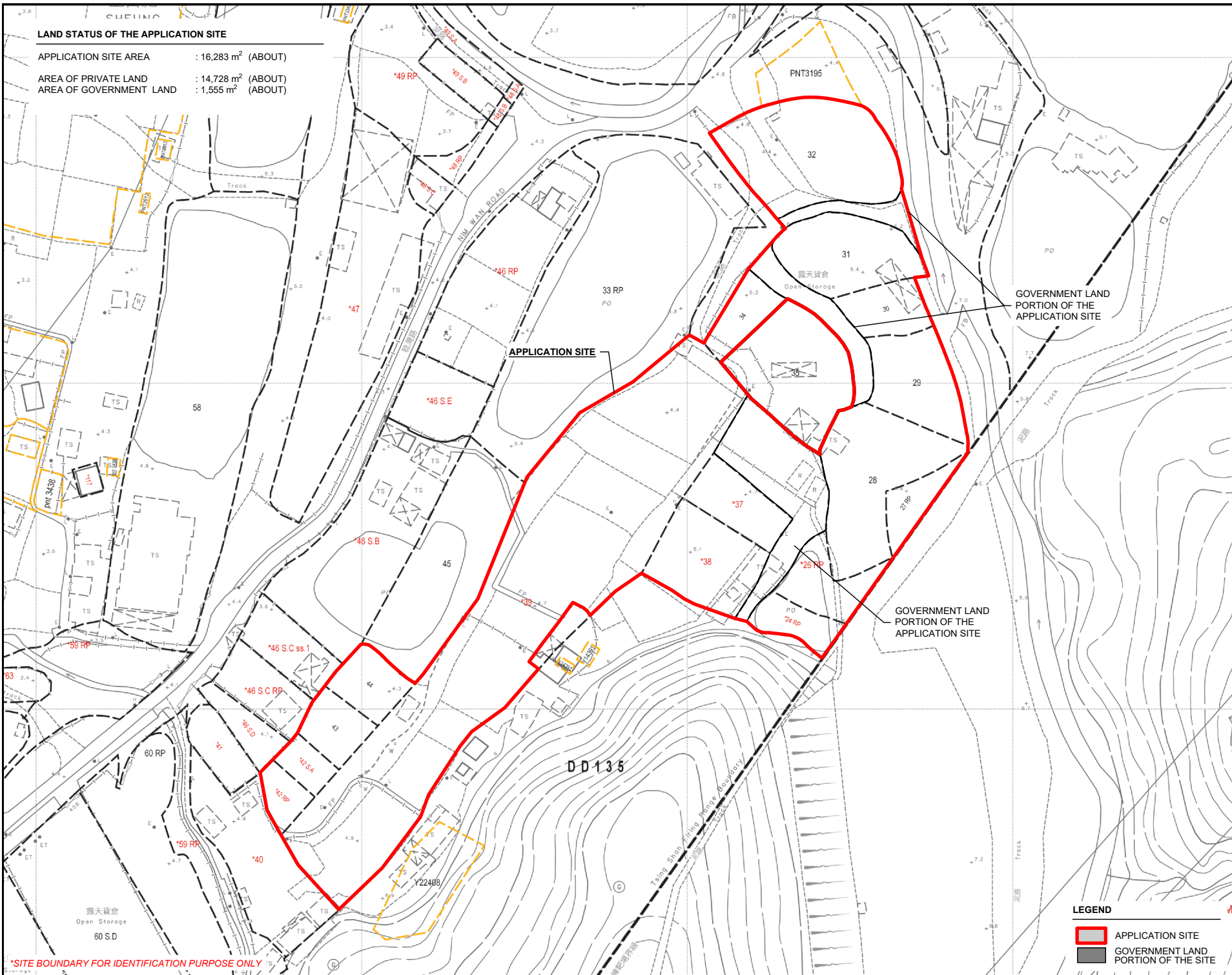
ZONING OF THE SITE

DWG NO.

PLAN 2

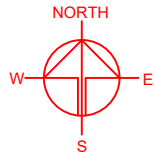
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LAND STATUS OF THE APPLICATION SITE

APPLICATION SITE AREA : 16,283 m² (ABOUT)
AREA OF PRIVATE LAND : 14,728 m² (ABOUT)
AREA OF GOVERNMENT LAND : 1,555 m² (ABOUT)



PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM AND FISHING GROUND), HOLIDAY CAMP, BARBECUE SITE AND ANIMAL BOARDING ESTABLISHMENT WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION

VARIOUS LOTS IN D.D. 135 AND ADJOINING GOVERNMENT LAND, PAK NAI, YUEN LONG, NEW TERRITORIES

SCALE

1: 1500 @ A4

DRAWN BY

LT

DATE

28.4.2026

REVISED BY

DATE

APPROVED BY

DATE

LEGEND

- APPLICATION SITE
- GOVERNMENT LAND PORTION OF THE SITE

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY

DEVELOPMENT PARAMETERS

APPLICATION SITE AREA	: 16,283 m ²	(ABOUT)
COVERED AREA	: 1,213 m ²	(ABOUT)
UNCOVERED AREA	: 15,070 m ²	(ABOUT)

PLOT RATIO	: 0.07	(ABOUT)
SITE COVERAGE	: 7 %	(ABOUT)

NO. OF STRUCTURE	: 6	
DOMESTIC GFA	: NOT APPLICABLE	
NON-DOMESTIC GFA	: 1,213 m ²	(ABOUT)
TOTAL GFA	: 1,213 m ²	(ABOUT)

BUILDING HEIGHT	: 4 m (ABOUT)
NO. OF STOREY	: 1

PROPOSED USES

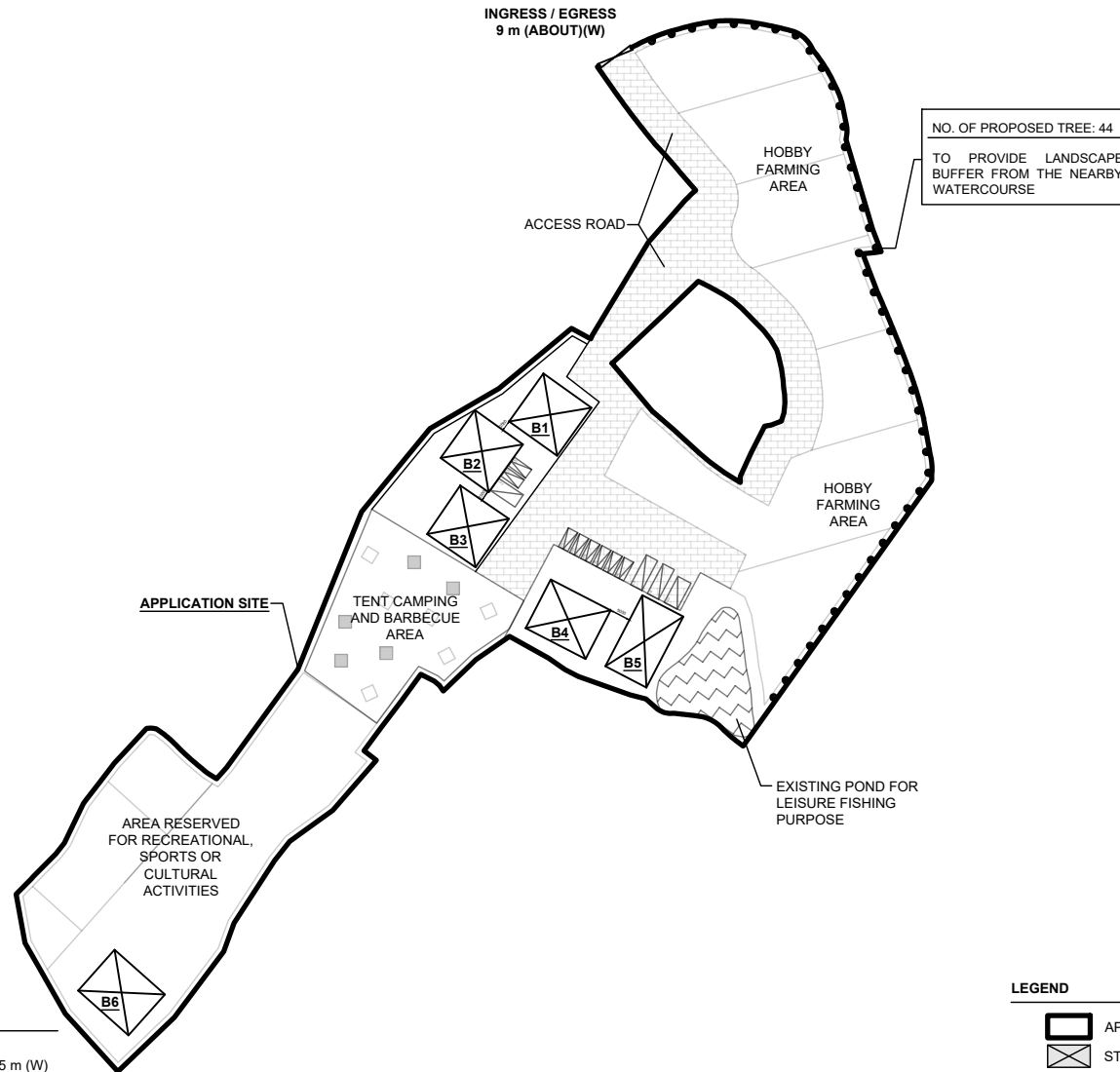
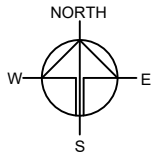
HOBBY FARM	: 4,705 m ²	(ABOUT)
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FISHING GROUND	: 428 m ²	(ABOUT)
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HOLIDAY CAMP AND BARBECUE SITE	: 1,353 m ²	(ABOUT)
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NO. OF CAMPING TENT	: 11	(ABOUT)
NO. OF BARBECUE PIT	: 11	(ABOUT)

STRUCTURE	USE	COVERED AREA	GROSS FLOOR AREA	BUILDING HEIGHT
B1	ANIMAL BOARDING ESTABLISHMENT	196 m ² (ABOUT)	196 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B2	ANIMAL BOARDING ESTABLISHMENT	196 m ² (ABOUT)	196 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B3	AGRICULTURAL EDUCATION, OFFICE AND STORE ROOM	196 m ² (ABOUT)	196 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B4	RECEPTION AND SITE OFFICE	208 m ² (ABOUT)	208 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B5	CANTEEN FOR STAFF AND VISITOR	209 m ² (ABOUT)	209 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B6	ACTIVITY ROOM	208 m ² (ABOUT)	208 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
TOTAL		1,213 m ² (ABOUT)	1,213 m ² (ABOUT)	



PARKING AND LOADING / UNLOADING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE	: 8
DIMENSION OF L/UL SPACE	: 5 m (L) x 2.5 m (W)

NO. OF L/UL SPACE FOR LIGHT GOODS VEHICLE	: 2
DIMENSION OF L/UL SPACE	: 7 m (L) x 3.5 m (W)

NO. OF L/UL SPACE FOR LIGHT BUS	: 2
DIMENSION OF L/UL SPACE	: 8 m (L) x 3 m (W)

LEGEND

	APPLICATION SITE
	STRUCTURE
	PARKING SPACE (PC)
	LOADING / UNLOADING SPACE (LGV)
	LOADING / UNLOADING SPACE (LB)
	INGRESS / EGRESS

PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM AND FISHING GROUND), HOLIDAY CAMP, BARBECUE SITE AND ANIMAL BOARDING ESTABLISHMENT WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION

VARIOUS LOTS IN D.D. 135 AND ADJOINING GOVERNMENT LAND, PAK NAI, YUEN LONG, NEW TERRITORIES

SCALE

1 : 1750 @ A4

DRAWN BY	DATE
LT	28.4.2026

REVISED BY	DATE

APPROVED BY	DATE

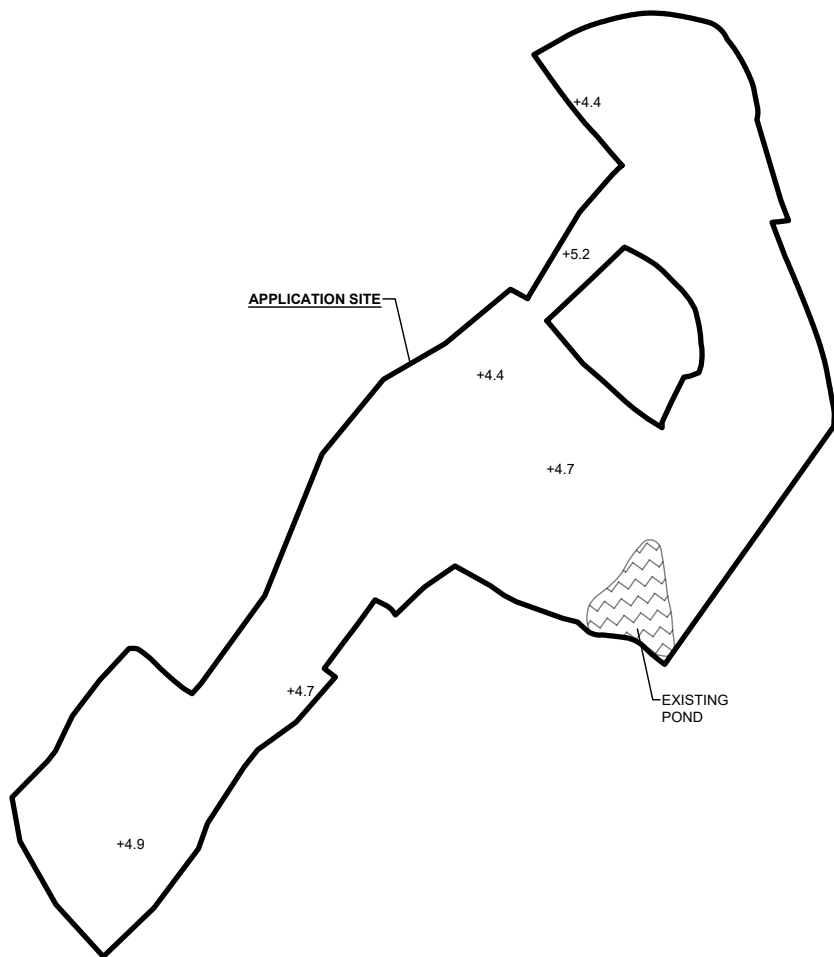
DWG. TITLE

LAYOUT PLAN

DWG NO.	VER.
PLAN 4	001

EXISTING CONDITION OF THE APPLICATION SITE

APPLICATION SITE AREA	: 16,283 m ²	(ABOUT)
EXISTING SOILED AREA	: 15,855 m ²	(ABOUT)
EXISTING SITE LEVELS	: +4.4 mPD TO +5.2 mPD	(ABOUT)
EXISTING POND AREA	: 428 m ²	(ABOUT)



LEGEND

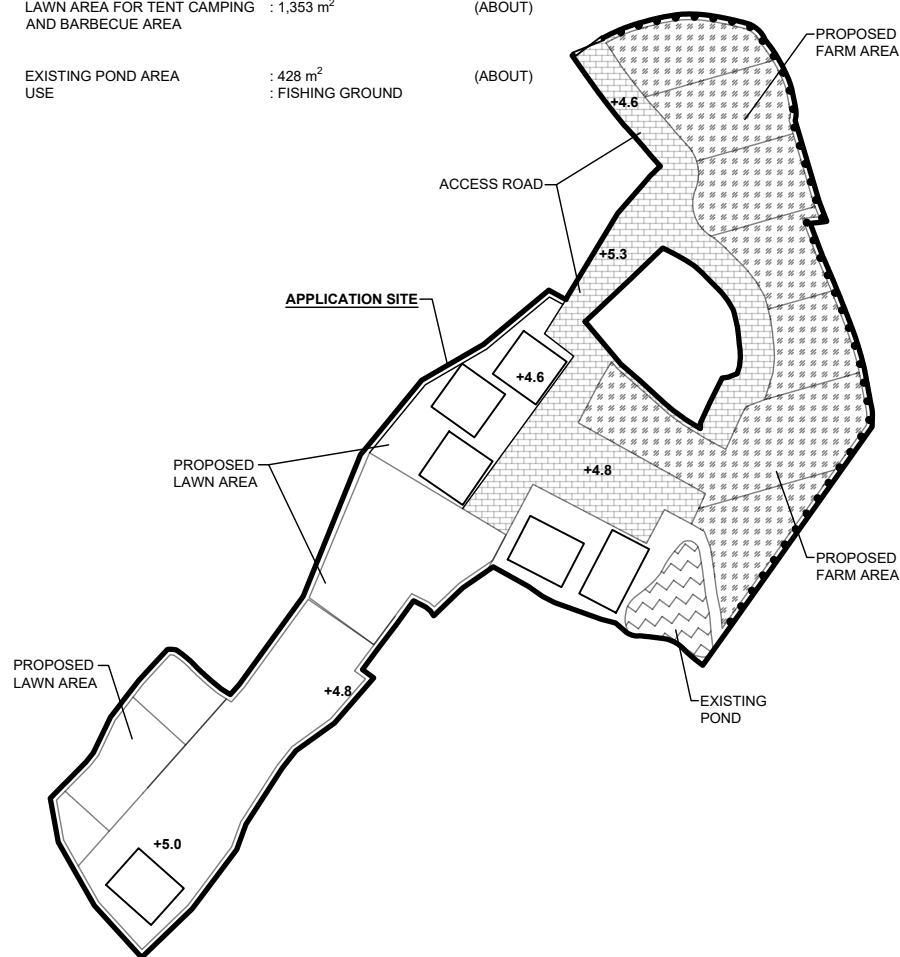
	APPLICATION SITE
+4.4	EXISTING SITE LEVEL

SITE LEVELS ARE FOR REFERENCE ONLY.

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY

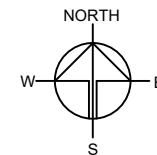
PROPOSED FILLING OF LAND AREA

APPLICATION SITE AREA	: 16,283 m ²	(ABOUT)
COVERED BY STRUCTURE	: 1,213 m ²	(ABOUT)
ACCESS ROAD	: 3,048 m ²	(ABOUT)
PROPOSED FILLING AREA	: 4,261 m ²	(ABOUT)
DEPTH OF LAND FILLING	: NOT MORE THAN 0.2 m	
PROPOSED SITE LEVELS	: +4.6 mPD TO +5.3 mPD	(ABOUT)
MATERIAL OF LAND FILLING	: CONCRETE	
USE	: SITE FORMATION OF STRUCTURES, AND CIRCULATION SPACE	
PROPOSED FARM AREA	: 4,705 m ²	(ABOUT)
USE	: HOBBY FARMING	
PROPOSED LAWN AREA	: 6,889 m ²	(ABOUT)
LAWN AREA FOR TENT CAMPING AND BARBECUE AREA	: 1,353 m ²	(ABOUT)
EXISTING POND AREA	: 428 m ²	(ABOUT)
USE	: FISHING GROUND	



LEGEND

	APPLICATION SITE
	PROPOSED FILLED AREA
+4.5	PROPOSED SITE LEVEL



PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM AND FISHING GROUND), HOLIDAY CAMP, BARBECUE SITE AND ANIMAL BOARDING ESTABLISHMENT WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION

VARIOUS LOTS IN D.D. 135 AND ADJOINING GOVERNMENT LAND, PAK NAI, YUEN LONG, NEW TERRITORIES

SCALE

1 : 2000 @ A4

DRAWN BY	DATE
LT	28.4.2026
CHECKED BY	DATE
APPROVED BY	DATE

DWG. TITLE

FILLING OF LAND

DWG NO.	VER.
PLAN 5	001

SWEPT PATH ANALYSIS

TYPE OF VEHICLE : LIGHT BUS
 DIMENSION OF VEHICLE : 2 m (W) X 6.5 m (L)

TYPE OF VEHICLE : LIGHT GOODS VEHICLE
 DIMENSION OF VEHICLE : 2.1 m (W) X 5.2 m (L)

SWEPT PATHS GENERATED BY AUTODESK VEHICLE TRACKING

INGRESS / EGRESS
 9 m (ABOUT)(W)

APPLICATION SITE

FROM THE LOCAL ACCESS TO
 THE APPLICATION SITE

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY

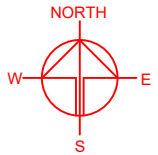
INGRESS / EGRESS
 9 m (ABOUT)(W)

APPLICATION SITE

FROM THE APPLICATION SITE TO
 THE LOCAL ACCESS

LEGEND

- APPLICATION SITE
- STRUCTURE
- PARKING SPACE (PC)
- LOADING / UNLOADING SPACE (LGV)
- LOADING / UNLOADING SPACE (LB)
- INGRESS / EGRESS
- LIGHT BUS
- LIGHT GOODS VEHICLE
- SWEPT PATH OF VEHICLE



PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE
 OF RECREATION, SPORTS OR
 CULTURE (HOBBY FARM AND
 FISHING GROUND), HOLIDAY
 CAMP, BARBECUE SITE AND
 ANIMAL BOARDING
 ESTABLISHMENT WITH
 ANCILLARY FACILITIES AND
 ASSOCIATED FILLING OF LAND
 FOR A PERIOD OF 3 YEARS

SITE LOCATION

VARIOUS LOTS IN D.D. 135 AND
 ADJOINING GOVERNMENT
 LAND, PAK NAI, YUEN LONG,
 NEW TERRITORIES

SCALE

1 : 1500 @ A4

DRAWN BY

LT

DATE

28.4.2026

CHECKED BY

DATE

APPROVED BY

DATE

DWG. TITLE

SWEPT PATH ANALYSIS

DWG NO.

PLAN 6

VER.

001

Appendix C

Information of Existing Slopes/Retaining Walls

SIMAR

Slope Maintenance Responsibility Report

(5NE-B/C64)



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	5NE-B/C64		Sub-Division	Not Applicable
	Location	WITHIN TSING SHAN FIRING RANGE [PROPOSED DEFENCE LOT 16]		
	Responsible Lot/Party	People's Liberation Army	Maintenance Agent	People's Liberation Army
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

- End of Report -

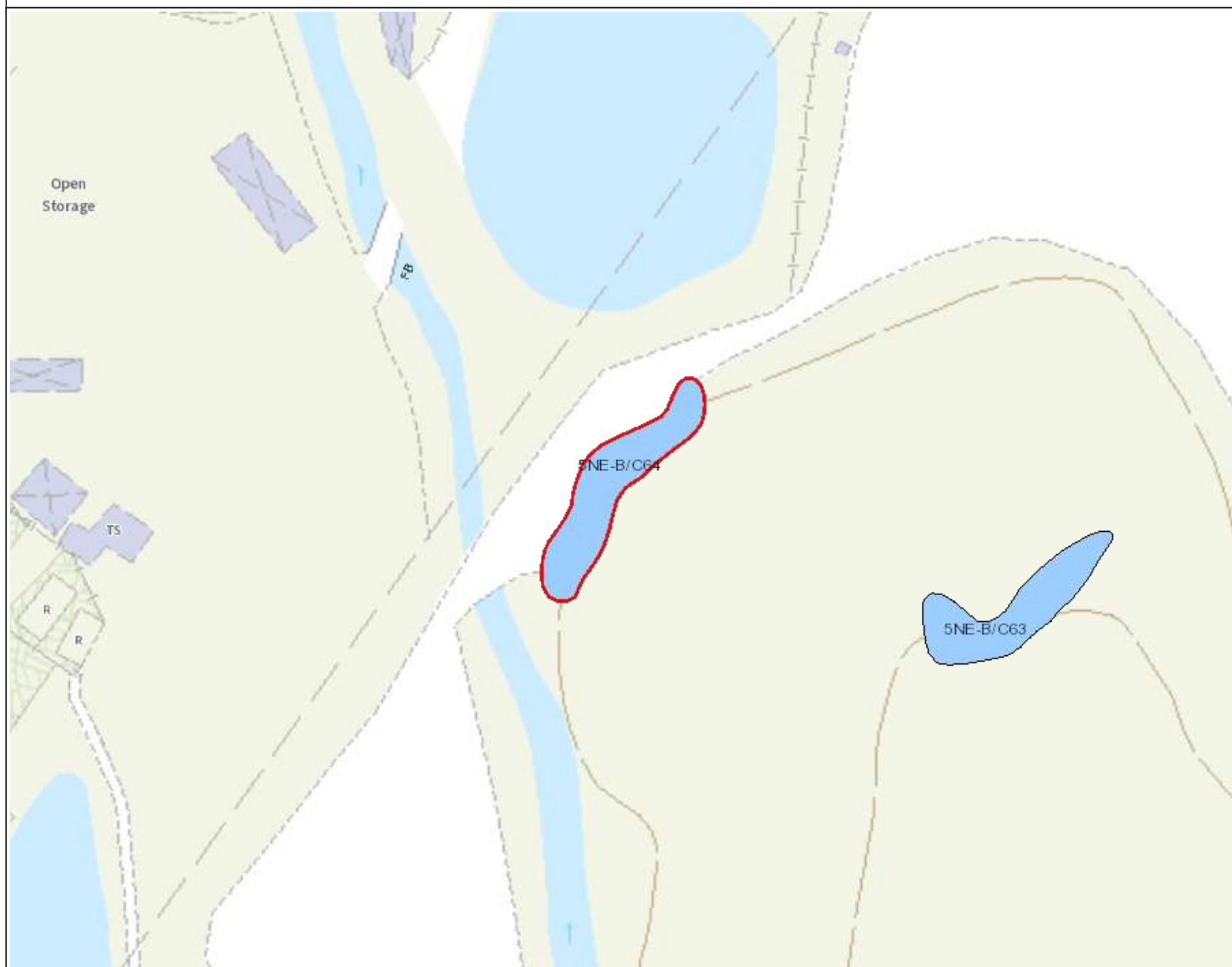
Notes:

- (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: 5NE-B/C64

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: 30/01/2026

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Search Criteria: 5NE-B/C64

Slope Maintenance Responsibility Report

(5NE-B/C75)



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	5NE-B/C75		Sub-Division	1
	Location	ADJOINING THE S BOUNDARY OF DD135 LOT40 & PARTLY ENCROACHED ONTO DD135 LOT59RP		
	Responsible Lot/Party	DD135 Lot59RP	Maintenance Agent	Not Applicable
	Remarks	Slope information being reviewed.		
2	5NE-B/C75		Sub-Division	2
	Location	ADJOINING THE S BOUNDARY OF DD135 LOT40 & PARTLY ENCROACHED ONTO DD135 LOT59RP		
	Responsible Lot/Party	Lands Department	Maintenance Agent	Lands Department
	Remarks	1. Slope information being reviewed. 2. For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

- End of Report -

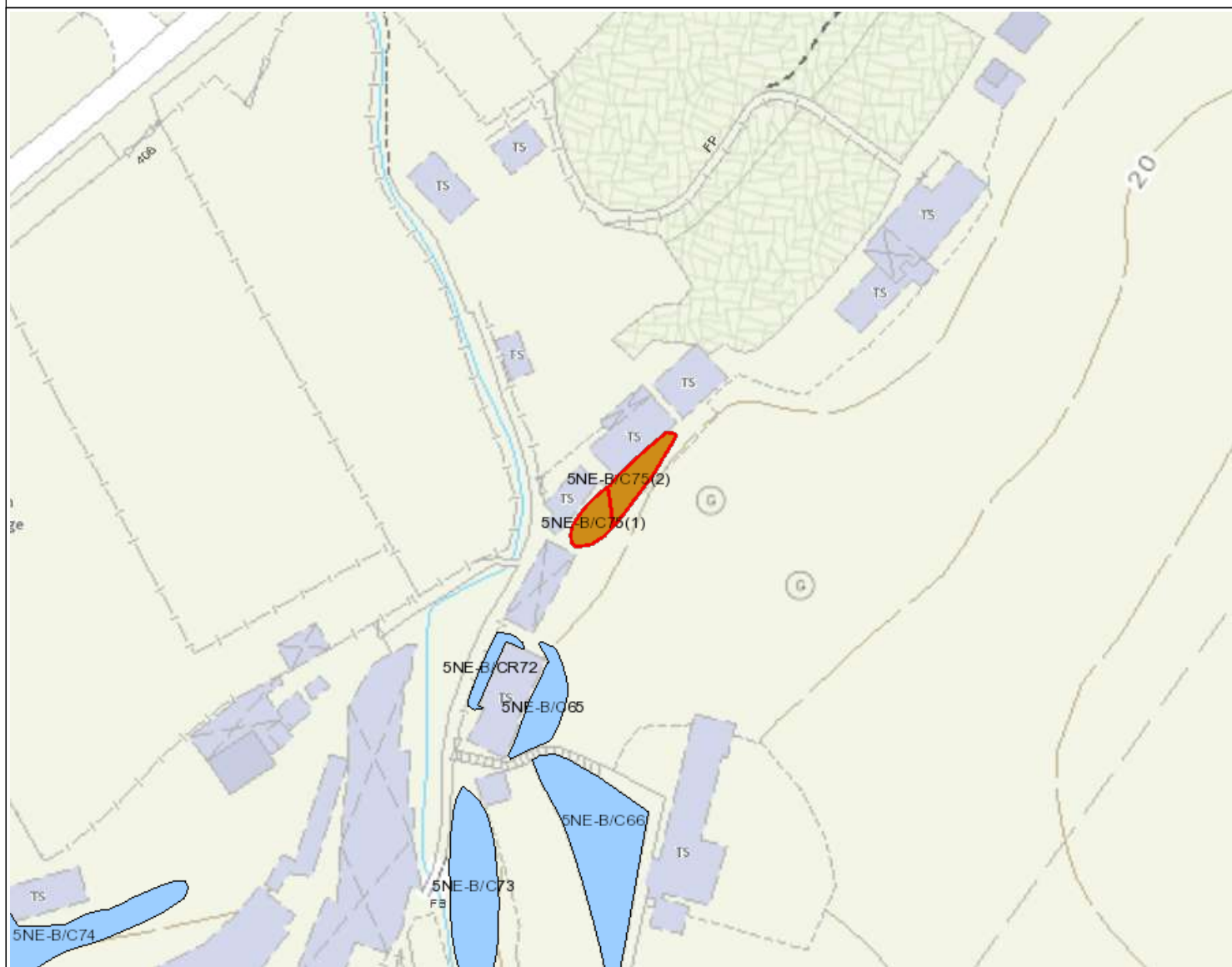
Notes:

- (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: 5NE-B/C75

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: 30/01/2026

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Search Criteria: 5NE-B/C75

SIS

BASIC INFORMATION

Location: HA PAK NAI, YUEN LONG
Date of Formation: post-1977
Date of Construction/ Modification: N/A
Approximate Coordinates: Easting : 813814 Northing : 833989

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt
Distance of Facility from Crest (m): 0
Facility at Toe: Remote area or abandoned facilities
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 3
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5 Length (m): 50 Average Angle (deg): 40

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

Maintenance Type: Government Party: PLA Agent: PLA

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 27-08-1997
Data Source: SIRST
Slope Part Drainage: N/A
Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 10 Vegetated: 90 Chunam: 0 Shotcrete: 0 Other Cover: 0
Material Description: Material type: Soil Geology: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A

WALL PART

N/A

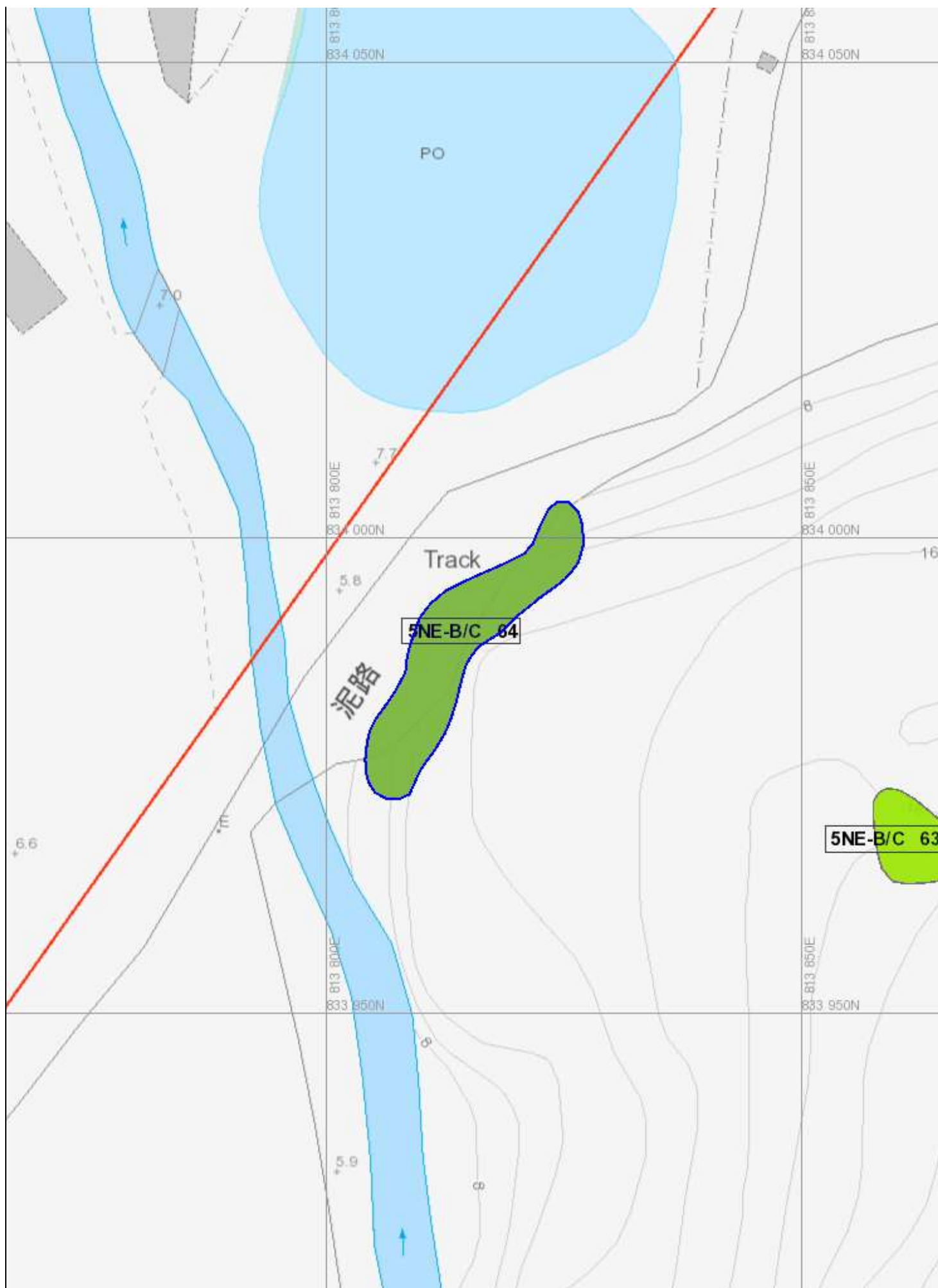


SERVICES

N/A

PHOTO





BASIC INFORMATION

Location: Nim Wan Road, Yuen Long
Date of Formation: pre-1977
Date of Construction/ Modification: N/A
Approximate Coordinates: Easting : 813578 Northing : 833823

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt
Distance of Facility from Crest (m): 0
Facility at Toe: Cottage, licensed and squatter area
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6.2 Length (m): 25 Average Angle (deg): 60

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

Maintenance Type: Mixed Party: DD135 Lot59RP Agent: N/A
Maintenance Type: Mixed Party: Lands D Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 08-07-2014
Data Source: Project Office
Slope Part Drainage: (1) Position: Toe Size(mm): 200
Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 100 Vegetated: 0 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

WALL PART

N/A

SERVICES

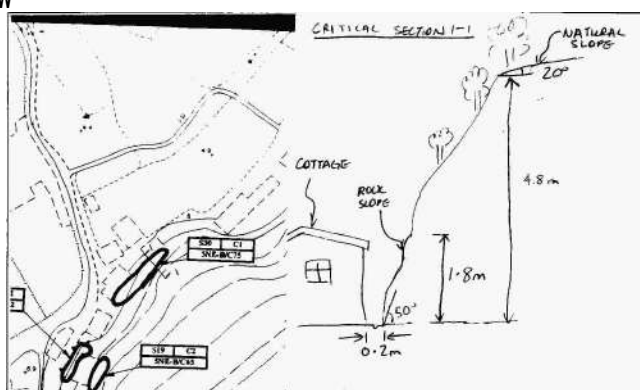
N/A

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: Cottage, licensed and squatter area

Distance from Toe (m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest (m): 0

Consequence Category: 1

Engineering Judgement: HP

Section No: 2-2

Type of Toe Facility: N/A

Distance from Toe (m): 0

Type of Crest Facility: N/A

Distance from Crest (m): 0

Consequence Category: 1

Engineering Judgement: HP

Sign of Seepage: Slope : Slight to moderate seepage below mid-height or from isolated rock joints
 Wall : N/A

Criterion A satisfied: N

Sign of Distress: Slope : Minor (mid-portion)
 Wall : N/A

Criterion D satisfied: N

Non-routine maintenance required: N

Note: N/A

Masonry wall / Masonry facing: N
Note: N/A
Consequence category (for critical section): 1
Observations: N/A
Emergency Action Required: N
Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

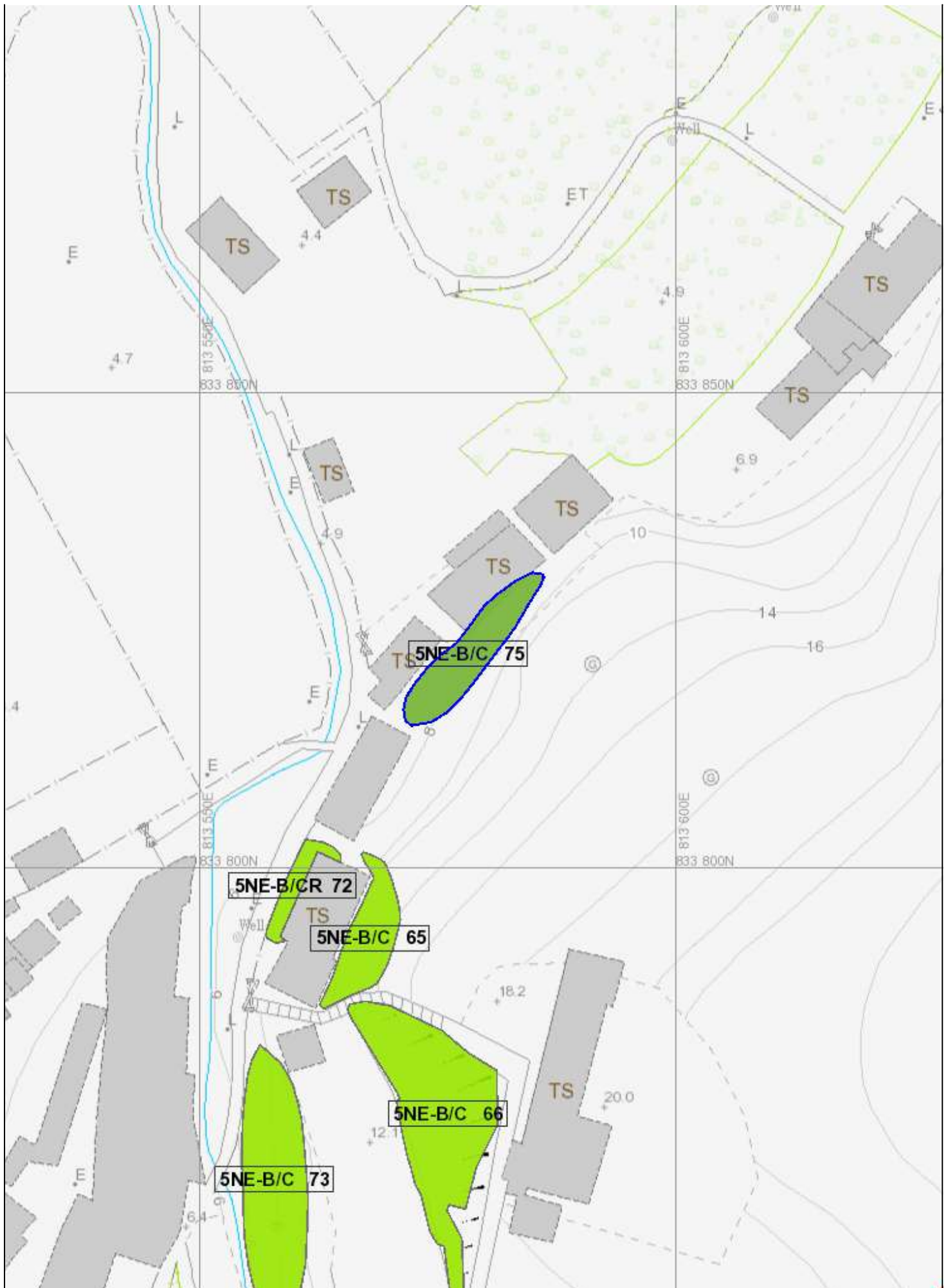
Criterion A / Criterion D: N/A
Action By: N/A
Further Study: Y
Action By: Mixed

OTHER EXTERNAL ACTION

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

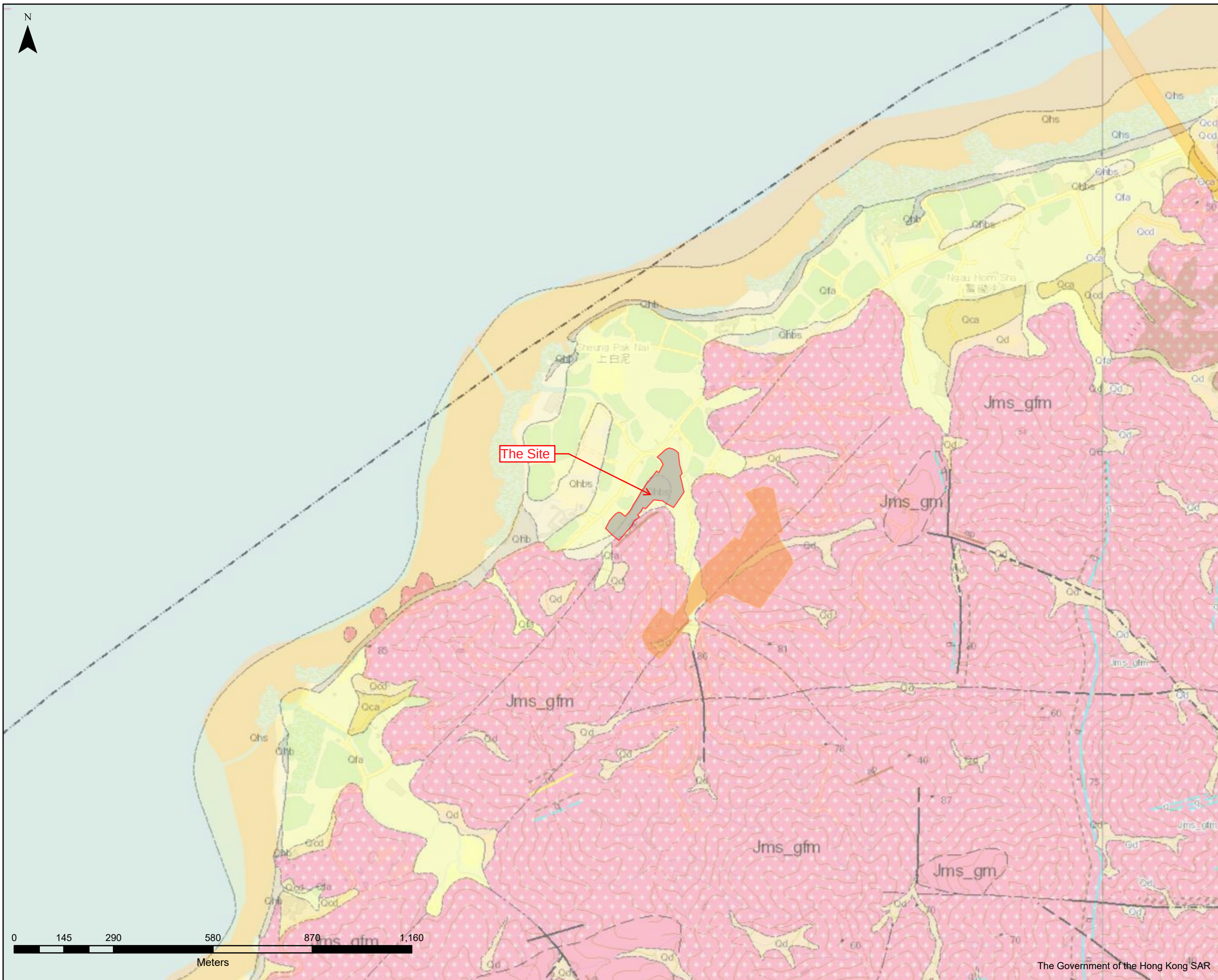
PHOTO





Appendix D

Part Print of The Geological Survey Map



SUPERFICIAL_DEPOSITS

- Qca
- Qcd
- Qd
- Qfa
- Qhb
- Qhbs
- Qhi
- Qhm
- Qhs

SOLID_GEOLOGY

- Calm
- Cslt
- Csyl
- Csym
- Jms_gfm
- Jo
- Jp_gd
- Jtm

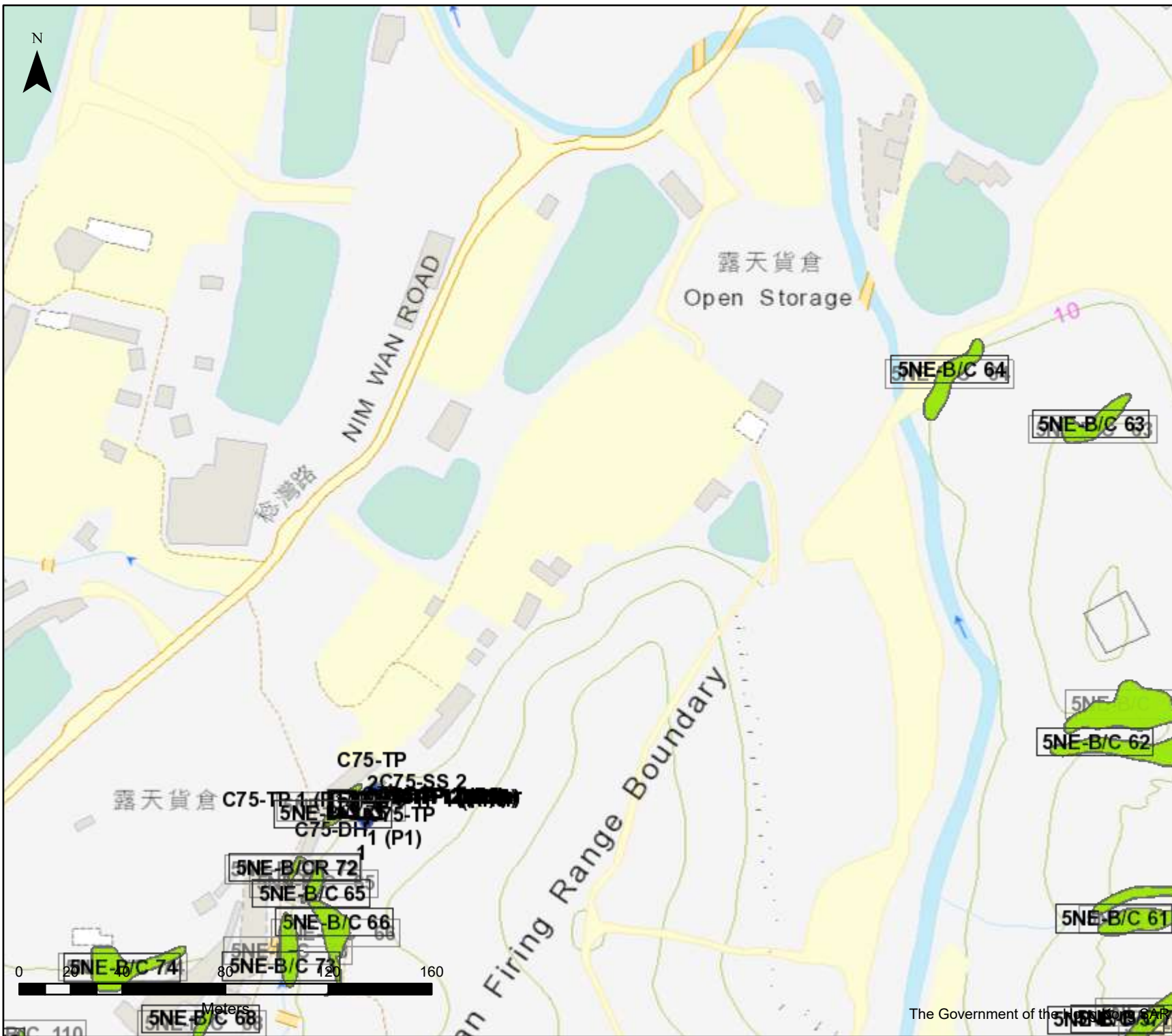
Division

Scale 1:10000

Date 26/01/2026

Appendix E

Previous G.I. Information in Vicinity



Man-made Features

- Cut slopes
- Disturbed terrain
- Fill slopes
- NT defence measures
- NT stabilisation measures
- Retaining walls
- Slope Features

- GIU Report
- GI with AGS

GI Location

- <all other values>
- Slope stripping
- Cone Penetration Test
- GCO Probe
- Grab Samples
- Impression Packer Test
- Trial pit
- PR
- Rock joint survey
- Trial trench

Man-made Features

- Cut slopes
- Disturbed terrain
- Fill slopes
- NT defence measures
- NT stabilisation measures
- Retaining walls
- GI
- Slope Features

Division

Scale 1:2000

Date 30/01/2026



The Government of the Hong Kong SAR

FINAL FIELDWORK REPORT

CONTRACT No.	GE/2005/41
WORKS ORDER No.	05/41/A/50/080
PROJECT	Feature No. 5NE-B/C75 Nim Wan Road Yuen Long
CLIENT	Civil Engineering And Development Department
DATE	October 13, 2006

CHECKED BY	 C. M. Sham	13/10/06
	Geotechnical Engineer	Date
CERTIFIED BY	 MAN Ho Tung	13/10/06
	Contractor's Representative	Date



ISO 9001 : 2000
Certificate No. : CC 1048



ISO 14001 : 2004
Certificate No. : CC 2466



HQSAS 18001 : 1999
Certificate No. : CC 2547

CONTRACTOR

Head Office: 4th Floor,
38 Sheung On Street, Chai Wan, Hong Kong.

Tel: 2336 5985

Fax: 2342 3589



VIBRO (H.K.) LIMITED

SITE INVESTIGATION DEPARTMENT

Contract Data Summary

Project : 10 - Year Extended Landslip Preventive Measures Project, Phase 5, Package L, Ground Investigation Works For Slopes In Yuen Long, Sai Kung, Tai Po, Tsuen Wan and North		Client : Civil Engineering and Development Department	Date : 14/08/2006 to 13/10/2006	
			Official only	
Location : Nim Wan Road Yuen Long			Data Bank No.	
Contract No. : GE/2005/41	W.O.No. : 05/41/A/50/080	Feature No. : 5NE-B/C75	File Ref. :	

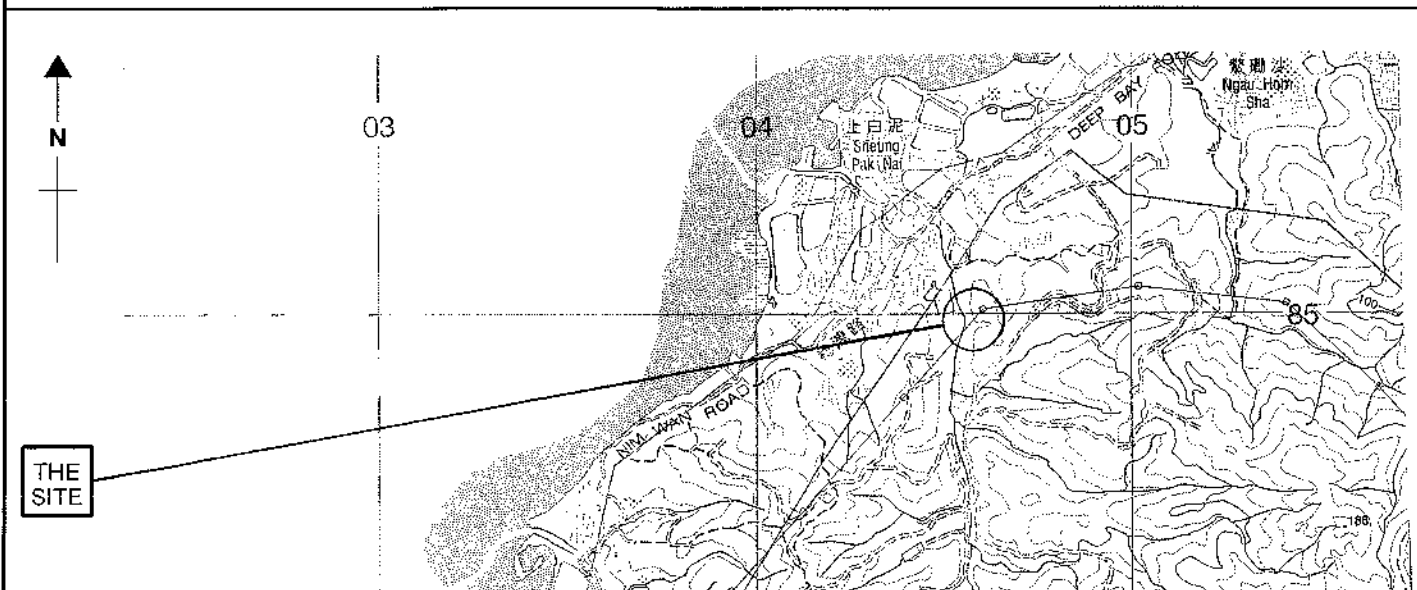
Field Work Summary

Drillholes Total No. :	1	Method : Rotary	Date : 30/08/2006 to 12/10/2006
Pit / Trench / Caisson Nos. :	Pit (2)	Slope Strip Nos. :	2
Probe Nos. :	NIL	Corehole Nos. :	NIL
Piezometer / Standpipe Nos. :	Piezometer (1)	Piezometer Bucket Nos. :	6
Insitu Test Nos. :	2	Types	SPT (2)
Geophysics :	1	Type	Acoustic Televiwer

Laboratory Testing Summary

Total No. of Tests :			Date :		
Soil	Physical Properties	LL	PL	Grading	M/C
		SG	γ_m / γ_d		
	Strength Tests	CUM	CUS		Shear CD Box
	Compaction & CBR Tests	Standard	Modified		CBR
	Oedometer & Perm. Test	Cv	k	Cc	
	Others	Chemical			
Rock	γ	Pt load	UCS	Shear Box	US Vel.

Location Plan	SCALE 1 : 20 000	Derived from : HM20C 1 : 20 000 Sheet 5, Edition 10 - 2005
---------------	------------------	--



	G.I.	Laboratory	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
CONTRACTOR	VIBRO (H.K.) LIMITED		CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT HONG KONG
WORKS ORDER NO.	05/41/A/50/080		



VIBRO (H.K.) LIMITED

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

CONTRACT No. GE/2005/41

**10-YEAR EXTENDED LANDSLIP PREVENTIVE MEASURES PROJECT,
PHASE 5, PACKAGE L – GROUND INVESTIGATION WORKS FOR
SLOPES IN YUEN LONG, SAI KUNG, TAI PO,**

TSUEN WAN AND NORTH

Works Order No.: 05/41/A/50/080

Feature No.: 5NE-B/C75

Location: Nim Wan Road, Yuen Long

Final Fieldwork Report

CONTENTS

1. INTRODUCTION	1
2. THE SITE	2
3. GEOLOGY	2
4. FIELDWORK	2-5
5. SOIL AND ROCK DESCRIPTIONS	5
6. GROUND CONDITIONS	6-7
7. DIGITAL DATA	7
8. REFERENCES	7-8

TABLE 1 SUMMARY OF SURVEY DATA

TABLE 2 SUMMARY TABLE OF DRILLHOLE RESULTS



APPENDIX A.....	CHECKLISTS FOR SOIL & ROCK DESCRIPTIONS
APPENDIX B	LEGENDS FOR USE IN EXPLORATORY HOLE RECORDS
APPENDIX C	DRILLHOLE RECORD
APPENDIX D	DRILLHOLE CORE PHOTOGRAPHS
APPENDIX E	TRIAL PIT RECORDS
APPENDIX F.....	TRIAL PIT PHOTOGRAPHS
APPENDIX G.....	SLOPE STRIPPING RECORDS
APPENDIX H	SLOPE STRIPPING PHOTOGRAPHS
APPENDIX I.....	INSTRUMENT INSTALLATION DETAILS
APPENDIX J.....	INSTRUMENT RESPONSE TEST RECORDS
APPENDIX K	GROUNDWATER MONITORING RECORDS
APPENDIX L.....	ACOUSTIC TELEVIEWER TRAVEL TIME AND AMPLITUDE LOGS
APPENDIX M.....	INTERPRETED ACOUSTIC TELEVIEWER RECORDS AND TABULATED DATA
APPENDIX N	DYNAMIC PROBE TEST RECORDS
APPENDIX O.....	GROUND INVESTIGATION PLAN
APPENDIX P	AGS DIGITAL DATA
APPENDIX Q.....	DIGITAL IMAGE OF FINAL FIELDWORK REPORT IN PDF FORMAT
APPENDIX R	PHOTOGRAPH NEGATIVES (MASTER COPY ONLY)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT**CONTRACT No. GE/2005/41****10-YEAR EXTENDED LANDSLIP PREVENTIVE MEASURES PROJECT,****PHASE 5, PACKAGE L – GROUND INVESTIGATION WORKS FOR****SLOPES IN YUEN LONG, SAI KUNG, TAI PO,****TSUEN WAN AND NORTH****Works Order No.: 05/41/A/50/080****Feature No.: 5NE-B/C75****Location: Nim Wan Road, Yuen Long****Final Fieldwork Report****1. INTRODUCTION**

A contract for undertaking a ground investigation for 10-Year Extended Landslip Preventive Measures Project, Phase 5, Package L – Ground Investigation Works for Slopes in Yuen Long, Sai Kung, Tai Po, Tsuen Wan and North was awarded by the Civil Engineering and Development Department to Vibro (H. K.) Limited in October 2005. The contract area for the work consists of any location in Yuen Long, Sai Kung, Tai Po, Tsuen Wan and northern region of Hong Kong.

This report presents the results of the ground investigation works carried out at feature no. 5NE-B/C75, located at Nim Wan Road, Yuen Long. The fieldwork was carried out under Works Order Number 05/41/A/50/080.

The fieldworks comprising drilling, the excavation of trial pits and slope stripping, were carried out in the period between the 30th August 2006 and the 12th October 2006 under the supervision of Fugro (Hong Kong) Limited.

2. THE SITE

Investigation works were carried out at slope number 5NE-B/C75, located at Nim Wan Road, Yuen Long.

The exploratory holes can be located between Hong Kong 1980 Grid co-ordinates E813580 and E813595, and N833815 and N833835.

All exploratory hole locations are indicated on the Ground Investigation Plan, presented in Appendix O. Co-ordinates and ground levels of all exploratory hole locations are presented in Table 1.

3. GEOLOGY

The 1:20000 Solid Geology and Superficial Geology Map published by the GEO (HGM20 Sheet 5 Edition 1, 1988) indicates that the site is underlain by megacrystic fine to medium grained GRANITE from the Jurassic to Cretaceous Period of the Mesozoic Era.

4. FIELDWORK

The fieldworks comprised drilling at one drillhole location (C75-DH1), the excavation of two trial pits (C75-TP1 and C75-TP2) and two slope stripping (C75-SS1 and C75-SS2). The works at these investigation stations were carried out to depths and at locations specified in the works order or as instructed by the Engineer.

4.1 Drilling

Rotary drilling technique, using a hydraulic-feed type drilling rig, was adopted for this contract. H (115mmØ) casings equipped with tungsten carbide cutting shoes, was used to advance the drillhole and prevent collapses from occurring. Arisings from the drilling process were removed from the drillhole using air-foam flush.

Undisturbed mazier samples were taken, in boreholes using a mazier triple tube retractable core barrel fitted with a removable 72mm diameter, 1000mm long transparent rigid ABS inner tube. A retractable cutting shoe projecting from the tungsten carbide core bit of the mazier sampler was used to penetrate the material being sampled and thus isolate it from the detrimental effects of the circulatory fluid.

Where competent strata were encountered in common ground, or where rock was encountered, a double tube T2-101 core barrel was used to recover core samples.

Photographs were taken of all materials recovered from the drillhole. The jar lids were removed prior to photography in order to display their contents. The drillhole record and the relevant corebox photographs are presented in Appendices C and D respectively.

4.2 Trial Pitting

Trial pits were excavated by hand at locations specified by the Engineer (See ground investigation plan). Each of the trial pit faces was logged and a photographic record was taken. The trial pit records and photographs are presented in Appendices E and F respectively.

Block samples, small disturbed samples and undisturbed U76 samples were taken at depths and locations as instructed by the Engineer's Representative on site.

Upon completion, the trial pits were backfilled with suitable material compacted in 150mm layers and the surface of the trial pits were reinstated to match the original condition.

4.3 Slope Stripping

Where instructed by the engineer 500mm wide sections of slope surface protection were removed to expose the underlying strata. The exposed strata were subsequently logged and the slope surfaces were then reinstated to their original condition.

Undisturbed U76 samples and small disturbed samples were taken at depths and locations as instructed by the Engineer's Representative on site.

The slope strip records and photographs are presented in Appendices G and H respectively.

4.4 Dynamic Probes

Dynamic probing was carried out prior to the excavation of the trial pits.

The probes undertaken prior to the excavation of the trial pit were set out in a triangular pattern around the center of the pit not more than 800mm apart and advanced from ground level down to the proposed depth of the trial pit.

The dynamic probe testing was carried out in accordance with Geoguide 2 using a 10kg hammer, dropping in freefall over a distance of 300mm.

The results of these tests are presented in Appendix N and have been included in the AGS digital data presented in Appendix P.

4.5 Installations

A casagrande type piezometer was installed at drillhole locations C75-DH1.

The piezometer was connected to the surface using 25mm diameter PVC riser pipe. The response zones comprised clean sand, with a grading of between 1200 and 210 microns. The response zone was sealed with bentonite pellets.

The top of the PVC tube of the instruments was fitted with a cap with a ventilation hole and surface boxes were cast to prevent damage to the instruments.

A response test was carried out on the instrument to ensure that it was functioning correctly. Details of the installations and the results of the response tests are presented in Appendices I and J respectively.

The results of the groundwater monitoring are presented in Appendix K.

Piezometer buckets were installed at all drillhole location at depths and spacing as instructed by the Engineer's Representative.

4.6 Acoustic Borehole Televiewer Survey

Acoustic Borehole Televiewer Survey were carried out at drillhole location C75-DH1. A Televiewer sonde, fitted with at least two centralisers, was lowered to the base of the hole. The survey parameters were entered into the data acquisition system computer and the sonde was raised to the surface logging at an optimum rate of about 1.5 to 1.6m/minute. A depth encoder provided continuous depth monitoring automatically. The logging stopped once the sonde entered the casing and the data was stored for off site processing and analysis.

The Acoustic Televiewer Travel Time and Amplitude logs are presented in Appendix L and the Interpreted Digital Acoustic Televiewer Records and Tabulated Data sheets are presented in Appendix M.

5. SOIL AND ROCK DESCRIPTIONS

The soils and rocks encountered in the investigation have generally been described according to Geoguide 3, Guide to Rock and Soil Descriptions. The classification and definitions of the descriptive terms are presented in Appendix A.

The delineation of various strata was primarily based on the examination of the samples recovered from the drillhole and from the examination of the strata exposed in the faces of the trial pits and slope strips. The results are given in the form of Drillhole, Trial Pit and Slope Strip Records and are presented in Appendices C, E and G respectively.

The legends used in the records are summarized in Appendix B.

6. GROUND CONDITIONS

6.1 Introduction

The drillhole encountered a combination of the following strata:

RESIDUAL SOIL
SAPROLITIC SOIL
BEDROCK

A summary of the strata encountered is presented in Table 2.

A brief description of the materials encountered is given in the following sections. In summary, the strata have been grouped together under the headings of Residual Soil, Saprolitic Soil and Bedrock.

Saprolitic Soil and Bedrock is defined here in relation to the Bedrock Level. The Bedrock Level is defined as the level below which Grade III or better rock with Total Core Recovery greater than 85%, is first encountered in the drillhole.

Full descriptions of the strata encountered can be found in the Drillhole Record presented in Appendix C of this report.

6.2 Residual Soil

Residual soil was encountered at drillhole location C75-DH1. The residual soil comprised sandy SILT with gravel.

This material was proven to the depth 1.40m (+12.45mPD) with thickness of 1.40m.

6.3 Saprolitic Soil

Saprolitic soil derived from the in situ weathering of rock was encountered at drillhole location C75-DH1.

A thickness of 2.80m of this material was encountered at the drillhole location at which it was proven to a depth of 4.20m (+9.65mPD) below existing ground level.

6.4 Bedrock

Mylonitic medium grained GRANITE was encountered at drillhole location C75-DH1. C75-DH1 was terminated in this stratum, as instructed by the Engineer, at depth of 9.46m (+4.39mPD).

7. DIGITAL DATA

In accordance with the contract specification the information given on the exploratory hole records and in situ test records is also presented in a digital format in Appendix P. The data is provided in ASCII digital format in an uncompressed form on a 3.5" disk formatted to MS-DOS Version 6.0 and in Acrobat format (color image) on a CD-ROM.

The data has been prepared in accordance with Appendix 1 of the third edition of the Association of Geotechnical and Geoenvironmental Specialists (AGS) publication "Electronic Transfer of Geotechnical and Geoenvironmental Data (AGS 1999)". The data dictionary used for the data field headings are in accordance with that recommended by the AGS with local variations as instructed by the G.E.O.

A data disk and media index record is presented with each copy of the final fieldwork report.

8. REFERENCES

1. GEO Sheet 5, Tsing Shan (Castle Peak), (Edition 1, 1988): Solid and Superficial Geology Edition (1:20000 map)
2. GEO (1987). Guide to Site Investigation (Geoguide 2). Geotechnical Engineering Office, Hong Kong
3. GEO (1988). Guide to Rock and Soil Descriptions (Geoguide 3) Geotechnical Engineering Office, Hong Kong.
4. GEO (1996). Methods of Test for Soils in Hong Kong for Civil Engineering Purposes (Phase 1 Tests) (GEO report No.36). Geotechnical Engineering Office, Hong Kong.

5. AGS(1999). Transfer of Geotechnical and Geoenvironmental Data. Association of Geotechnical and Geoenvironmental Specialists.
6. BS 1377: Part 9: (1990) British Standard Methods of test for soils for civil engineering purposes, Part 9: Insitu tests, British Standards Institution, London.

TABLE 1

SUMMARY TABLE OF SURVEY DATA

TABLE 2

SUMMARY TABLE OF DRILLHOLE RESULTS



VIBRO (H.K.) LIMITED
SITE INVESTIGATION DEPARTMENT

CONTRACT NUMBER GE/2005/41
WORKS ORDER NUMBER 05/41/A/50/080
FEATURE NUMBER 5NE-B/C75

LOCATION : Nim Wan Road Yuen Long

Table 2 - Summary of Drillhole Results

Sheet 1 of 1

Stratum	HOLE NO.						
	C75-DH 1						
Ground Level (mPD)	+13.85						
Residual Soil Bottom Level (mPD)	+12.45						
Thickness (m)	1.40						
Saprolitic Soil Bottom Level (mPD)	+9.65						
Thickness (m)	2.80						
Rock Bottom Level (mPD)	+4.39						
Thickness (m)	5.26						
End of Hole Level (mPD)	+4.39						
Rock Type	GRANITE						
Bedrock Level (mPD)	+9.65						

Note : - : Not encountered in the investigation

APPENDIX A

CHECKLISTS FOR SOIL & ROCK DESCRIPTIONS

CHECKLIST FOR SOIL DESCRIPTION

GEOTECHNICAL ENGINEERING OFFICE, HONG KONG

1. STRENGTH (Compactness & Consistency)

Soil Type	Term	Identification
Very Coarse (COBBLES & BOULDERS)	Loose	By inspection of voids and particle packing in the field.
	Dense	
	Very loose	
Coarse (SANDS & GRAVELS)	Loose	SPT 'N' value 0-4. SPT 4-10; can be excavated with spade; 50mm peg easily driven. SPT 10-30.
	Medium dense	
	Dense	SPT 30-50; requires pick for excavation; 50mm peg hard to drive. SPT >50.
Fine (CLAYS & SILTS)	Very dense	
	Very soft	Undrained shear strength (USS) <20 kPa; exudes between fingers when squeezed in hand. USS 20-40 kPa; moulded by light finger pressure.
	Soft	
Organic (ORGANIC CLAYS, SILTS SANDS & PEATS)	Firm	USS 40-75 kPa; can be moulded by strong finger pressure.
	Stiff	USS 75-150 kPa; cannot be moulded by fingers; can be indented by thumb.
	Very stiff or hard	USS >150 kPa; can be indented by thumbnail.
	Compact	Fibres already compressed together.
	Spongy	Very compressible and open structure.
	Plastic	Can be moulded in hand and smears fingers.

Terms applicable only to transported soils. For soils derived from insitu rock weathering, record actual values of quantitative tests (e.g. SPT 'N' value) as part of the description, where appropriate.

2. COLOUR

Parameter	Terms
Value	Light, Dark
Chroma	Pinkish, Reddish, Yellowish, Orangish, Brownish, Greenish, Bluish, Purplish, Greyish
Hue	Pink, Red, Yellow, Orange, Brown, Green, Blue, Purple, White, Grey, Black

For uniform colour distribution, choose a hue, supplemented by a value and/or chroma if necessary.

For non-uniform distribution, repeat this procedure using one of the following descriptors: spotted, mottled, dappled, streaked, striped (e.g. light yellowish brown mottled with red). State whether sample was wet or dry when described.

3. PARTICLE SHAPE & COMPOSITION

Characteristic	Terms
Form	Equidimensional, Flat, Elongate, Flat, & Elongate
Angularity	Angular, Subangular, Subrounded, Rounded
Surface Texture	Smooth, Rough, Glassy, Honeycombed, Pitted, Striated

Describe composition of coarse particles where appropriate. Gravel and larger particles are usually rock fragments (e.g. granite, tuff); and particles are usually individual minerals (e.g. quartz, feldspar).

4. STRUCTURE

Soil Type	Term	Identification
Coarse & Fine	Homogenous	Deposit consists essentially of one type.
	Interstratified (Interbedded or interlaminated)	Alternating layers of varying types or with bands or lenses of other materials.
Coarse	Heterogenous	A mixture of types.
	Fissured	Breaks into polyhedral fragments along fissures.
Fine	Intact	No fissures.
	Fibrous	Plant remains recognizable & retain some strength.
Organic	Amorphous	No recognizable plant remains.

Describe spacing of bedding planes, fissures, shell bands, etc using the spacing terms given in items 5 & 7 for rock description (see next page).

Above terms applicable only to transported soils. For soils derived from insitu rock weathering, describe relict structures in accordance with item 5 of rock description (see next page).

5. WEATHERING

Soils Derived from Insitu Weathering of Rocks

There are two main types: saprolites (rock texture/structure retained) and residual soils (rock texture/structure completely destroyed). Describe state of weathering in accordance with items 4 & 8 for rock description (see next page).

Sedimentary (Transported) Soils

Coarse soils: Describe overall discolouration of soil and degree of decomposition of gravel and larger particles (see item 4, next page). Also note any signs of disintegration of large particles where apparent.

Fine Soils: Describe overall discolouration of soil where apparent.

6. SOIL NAME

A. Basic Soil Types

Soil Type	Particle Sizes (mm)		Identification	
BOULDERS	--	>200	Only seen complete in pits or exposures. Often difficult to recover from boreholes.	
COBBLES	--	60-200	Easily visible to naked eyes; particle shape and grading can be described.	
GRAVELS	{	Coarse	20-60	{ Well-graded : wide range of grain sizes. Poorly-graded : not well-graded (spill further into uniform or gap-graded).
		Medium	6-20	
		Fine	2-6	
SANDS	{	Coarse	0.6-2	{ Visible to naked eyes; very little or no cohesion; grading can be described. May be well-graded or poorly-graded (uniform or gap-graded) as for gravel.
		Medium	0.2-0.6	
		Fine	0.06-0.2	
SILTS	{	Coarse	0.02-0.06	{ Only coarse silt barely visible to naked eyes; exhibits little plasticity and marked dilatancy; slightly granular or silky to the touch. Disintegrates in water; lumps dry quickly; possesses cohesion but can be powdered easily between fingers.
		Medium	0.006-0.02	
		Fine	0.002-0.006	
CLAYS	--	<0.002	{ Dry lumps can be broken by hand but not powdered between the fingers. Disintegrates in water more slowly than silt; smooth to the touch; exhibits plasticity but no dilatancy; sticks to the fingers and dries slowly; shrinks appreciably on drying, usually showing cracks. These properties more noticeable with increasing plasticity.	
ORGANIC CLAYS, SILTS OR SANDS	--	varies	{ Contains much organic vegetable matter; often has a noticeable smell and changes colour on oxidation.	
PEATS	--	varies	{ Predominantly plant remains; usually dark brown or black in colour, often with distinctive smell; low bulk density.	

B. Composite Soil Types (Mixtures of Basic Types)

Principal Soil Type	Terminology Sequence	Term for Secondary Constituent	% of Secondary Constituent
Very coarse (BOULDERS & COBBLES) (>50% of soil >60mm)	Secondary constituents (finer material) after principal	With a little	< 5
		With some	5 - 20
		With much	20 - 50
		Slightly (silty, clayey or silty/clayey) *	< 5
Coarse (GRAVELS & SANDS) (>65% gravel & sand sizes)	Secondary constituents before principal (excluding cobbles & boulders) *	(silty, clayey or silty/clayey) *	5 - 15
		Very (silty, clayey or silty/clayey) *	15 - 35
		AND/OR	
		Slightly (gravelly or sandy) *	< 5
Fine (SILTS & CLAYS) (>35% silt & clay sizes)	Secondary constituents before principal (excluding cobbles & boulders) *	(gravelly or sandy) *	5 - 15
		Very (gravelly or sandy) *	20 - 50
		Slightly (gravelly or sandy or both) *	< 35
		(gravelly or sandy) *	35 - 65

* Full name of finer material should be given (see examples below).

* Secondary soil type as appropriate; use 'silty/clayey' when a distinction cannot be made between the two.

+ If cobbles or boulders are also present in a coarse or fine soil, this can be indicated by using one of the following terms relating to the very coarse fraction after the principal: 'with occasional' (<5), 'with some' (5-20), 'with many' (20-50), where figures in brackets are % very coarse material expressed as a fraction of the whole soil (see examples below).

Examples: Slightly silty/clayey, sandy GRAVEL. Slightly gravelly, sandy SILT. Very gravelly SAND. Sandy GRAVEL with occasional boulders. BOULDERS with much finer material (silty/clayey, very sandy gravel).

For fine soil, plasticity terms should also be described where possible, viz: 'non-plastic' (generally silts), 'intermediate plasticity' (lean clays), 'high plasticity' (fat clays).

7. DISCONTINUITIES

Full description of discontinuities, where necessary, should be made using the methods and terms given in item 7 for rock description (see next page).

8. ADDITIONAL GEOLOGICAL INFORMATION

Record geological name which indicates geological origin or soil type (e.g. Alluvium, Coluvium, Marine sand etc.). Refer to HKGS maps & memoirs for further information.

NOTES:

- Mass characteristics of soils (i.e. structure, weathering, discontinuities) can only be described satisfactorily in undisturbed field exposures or large undisturbed samples.
- For full descriptions of soils derived from insitu rock weathering:
 - saprolites - describe as rocks, supplemented by soil strength and soil name terms in brackets,
 - residual soils - describe as soils, supplemented by name of parent rock where apparent from field evidence.

1. STRENGTH

Term	Identification
Extremely weak	Easily crumbled by hand; indented deeply by thumbnail.
Very weak	Crumbled with difficulty, scratched easily by thumbnail; peeled easily by pocket knife.
Weak	Broken into pieces by hand; scratched by thumbnail; peeled by pocket knife; deep indentations (to 5mm) by point of geological pick; hand-held specimen easily broken by single light hammer blow.
Moderately weak	Broken with difficulty in two hands; scratched with difficulty by thumbnail; difficult to peel but easily scratched by pocket knife; shallow indentations easily made by point of pick; hand-held specimen usually broken by single light hammer blow.
Moderately strong	Scratched by pocket knife; shallow indentations made by firm blow with point of pick; hand held specimen usually broken by single firm hammer blow. Point load strength (PLS) 0.5 – 2 MPa.
Strong	Firm blows with point of pick cause only superficial surface damage; hand-held specimen requires more than one firm hammer blow to break. PLS 2 – 4 MPa.
Very strong	Many hammer blows required to break specimen. PLS 4 – 8 MPa.
Extremely strong	Specimen only chipped by hammer blows. PLS >8 MPa.

2. COLOUR

Parameter	Terms
Value	Light, Dark
Chroma	Pinkish, Reddish, Yellowish, Orangish, Brownish, Greenish, Bluish, Purplish, Greyish
Hue	Pink, Red, Yellow, Orange, Brown, Green, Blue, Purple, White, Grey, Black

For uniform colour distribution, choose a hue, supplemented by a value and/or chroma if necessary.

For non-uniform distribution, repeat this procedure using one of the following descriptors: spotted, mottled, dappled, streaked, striped (e.g. light pinkish grey spotted with black). State whether sample was wet or dry described.

3. TEXTURE / FABRIC

Texture Terms (Applicable Mainly to Igneous Rocks)
Equigranular, Inequigranular, Megacrystic, Porphyritic, Crystalline, Cryptocrystalline, Aphanitic

Fabric
Describe preferred orientation of grains/crystals where apparent.
Describe intensity, spacing, continuity and any preferred orientation of microfractures where apparent.

4. MATERIAL WEATHERING / ALTERATION

Decomposition Term	Grade Symbol	Typical Characteristics
Residual Soil	VI	Original rock texture completely destroyed; can be crumbled by hand and finger pressure into constituent grains.
Completely Decomposed	V	Original rock texture preserved; can be crumbled by hand and finger pressure into constituent grains; easily indented by point of geological pick; stakes in water; completely discoloured compared with fresh rock.
Highly Decomposed	IV	Can be broken by hand into smaller pieces; makes a dull sound when struck by hammer; not easily indented by point of pick; does not stake in water; completely discoloured compared with fresh rock.
Moderately Decomposed	III	Cannot usually be broken by hand; easily broken by hammer; makes a dull or slight ringing sound when struck by hammer; completely stained throughout.
Slightly Decomposed	II	Not broken easily by hammer; makes a ringing sound when struck by hammer; fresh rock colours generally retained but stained near joint surfaces.
Fresh Rock	I	Not broken easily by hammer; makes a ringing sound when struck by hammer; no visible signs of decomposition (i.e. no discolouration).

This classification is applicable to igneous and volcanic rocks and other rocks of equivalent strength in fresh state.

Disintegration
Describe small-scale cracking and fracturing caused by mechanical weathering, where apparent.

Alteration
Describe state of alteration (e.g. mineralised, kaolinised) where apparent.

5. ROCK NAME (Including Grain Size)

Igneous	Coarse- (5-20mm), Medium- (2-6mm) & Fine- (0.06-2mm) grained GRANITE, GRANODIORITE, Very Fine-grained (<0.06mm) RHYOLITE, BASALT. (Common types only, see Geoguide 3 for others).
Pyroclastic	PYROCLASTIC BRECCIA (>60mm), Lapilli TUFF (2-60mm), Coarse ash TUFF (0.06-2mm), Fine ash TUFF (<0.06mm).
Metamorphic	Foliated - SCHIST (>0.06mm), PHYLLITE (<0.06mm), Non-foliated - MARBLE, QUARTZITE, FAULT BRECCIA.
Sedimentary	CONGLOMERATE, BRECCIA (>2mm), SANDSTONE (0.06-2mm), MUDSTONE (<0.06mm) = SILTSTONE (0.002-0.06mm) + CLAYSTONE (<0.002mm). (Common types only).

If rock name cannot be identified, describe grain size quantitatively, including textural term where appropriate.

6. STRUCTURE

Structural Term	Rock Type
Bedded, Laminated, Massive	Sedimentary
Massive, Flow-banded	Igneous, Pyroclastic
Foliated, Banded, Cleaved	Metamorphic

Spacing of Planar Structures

Very thick (>2m), Thick (0.6-2m), Medium (200-600mm), Thin (60-200mm), Very thin (20-60mm), Thickly-laminated (Sedimentary) (5-20mm) or Narrow (Igneous, Metamorphic) (5-20mm), Thinly-laminated (Sedimentary) (<6mm) or Very narrow (Igneous, Metamorphic) (<6mm).

Examples : Thickly-bedded SANDSTONE, Narrowly flow-banded RHYOLITE.

7. DISCONTINUITIES

Nature (Type of Discontinuity)			
Fault zone	Cleavage	Fissure	Bedding
Fault	Schistosity	Tension crack	
Joint	Shear plane	Foliation	

Location and Orientation

Record location as co-ordinates or relative position along datum line, preferably on map or plan.

Record orientation as dip direction/dip in degrees (e.g. 032/55).

Spacing

Extremely widely-spaced (>6m), Very widely-spaced (2-6m), Widely-spaced (0.6-2m), Medium-spaced (200-600mm), Closely-spaced (60-200mm), Very closely-spaced (20-60mm), Extremely closely-spaced (<20mm).

In exposures, supplement spacing with description of rock block shape where possible. Descriptors : Blocky, Tabular, Columnar, Polyhedral.

Roughness

Waviness (large-scale) : Estimate/measure wavelength and amplitude in metres.

Unevenness (small-scale), use one term from the following:

Rough stepped	Smooth stepped	Stickensided stepped
Rough undulating	Smooth undulating	Stickensided undulating
Rough planar	Smooth planar	Stickensided planar

Aperture Size

Wide (>200mm), Moderately wide (60-200mm), Moderately narrow (20-60mm), Narrow (6-20mm), Very narrow (2-6mm), Extremely narrow (>0-2mm), Tight (zero).

Infilling (Nature)

Clean	Surface staining	Decomposed/disintegrated rock
Non-cohesive soil	Cohesive soil	Quartz
Calcite	Manganese	Kaolin
Other (Specify)		

Give full description of infill materials/minerals where appropriate.

Seepage

Dry	Damp/wet	Seepage present (estimate quantity in l/sec or l/min)
-----	----------	---

Fracture State

In borehole cores, measure the following : Total Core Recovery (TCR), Solid Core Recovery (SCR), Rock Quality Designation (RQD), Fracture Index (FI). See Geoguide 3 for definitions.

8. MASS WEATHERING

Term	Zone Symbol	Typical Characteristics
Residual Soil	RS	Residual soil derived from insitu weathering; mass structure and material texture/fabric completely destroyed : 100% soil
Partially Weathered Rock	PW	Less than 30% rock
	0/30	Soil retains original mass structure and material texture/fabric (i.e. saprolite)
	PW	Rock content does not affect shear behaviour of mass, but relict discontinuities in soil may do so.
	30/50	Rock content may be significant for investigation and construction.
	50/90	Both rock content and relict discontinuities may affect shear behaviour of mass.
Unweathered Rock	PW	50% to 90% rock
	90/100	Interlocked structure.
	UW	Greater than 90% rock
		Small amount of the material converted to soil along discontinuities.
		100% rock
		May show slight discolouration along discontinuities.

9. ADDITIONAL GEOLOGICAL INFORMATION

Record geological formation name if known. Avoid conjecture. Refer to HKGS maps & memoirs for further information.

NOTES:

1. Rock material description normally includes : strength, colour, texture/fabric, material weathering/alteration and ROCK NAME.
2. Rock mass description normally includes : strength, colour, structure, mass weathering, ROCK NAME, discontinuities and additional geological information. Can be supplemented with more detailed information on texture/fabric and material weathering / alteration of different materials within the mass where necessary.

APPENDIX B

LEGENDS FOR USE IN EXPLORATORY HOLE RECORDS

LEGENDS FOR USE ON EXPLORATORY HOLE RECORDS

AGGLOM 	ASPHALT 	BASALT 	BIOCLAST 	BLANK 	BLDR 	BLDRC 	BLDRCBBL 	BLDRCG
BLDRCGK 	BLDRCK 	BLDRG 	BLDRGK 	BLDRK 	BLDRS 	BLDRSG 	BLDRSGK 	BLDRSK
BLDRZG 	BLDRZK 	BLDRZSG 	BLDRZSGK 	BLDRZSK 	BRECCIA 	CBBL 	CBBLC 	CBBLCG
CBBLCO 	CBBLCS 	CBBLCSG 	CBBLCSGO 	CBBLCZ 	CBBLCZG 	CBBLCZS 	CBBLG 	CBBLS
CBBLSG 	CBBLSGO 	CBBLZ 	CBBLZG 	CBBLZS 	CBBLZSG 	CBBLZSO 	CLAY 	CLAYB
CLAYG 	CLAYGB 	CLAYGK 	CLAYGBK 	CLAYGKO 	CLAYGO 	CLAYK 	CLAYKB 	CLAYO
CLAYOB 	CLAYS 	CLAYSB 	CLAYSG 	CLAYSGB 	CLAYSGK 	CLAYSK 	CLAYSO 	CLAYSTON
CLAYZ 	CLAYZB 	CLAYZG 	CLAYZGB 	CLAYZGK 	CLAYZK 	CLAYO 	CLAYZS 	CLAYZSB
CLAYZSG 	CLAYZSGB 	CLAYZSGK 	CLAYZSK 	CLAYZSO 	CONCRETE 	CONGLOM 	DOLOMITE 	FILL
FISSIN 	GABBRO 	GNEISS 	GRANITE 	GRAV 	GRAVB 	GRAVC 	GRAVCB 	GRAVCBBL
GRAVCK 	GRAVCO 	GRAVCS 	GRAVCSB 	GRAVCSK 	GRAVCSO 	GRAVCZ 	GRAVCZB 	GRAVCZK

LEGENDS FOR USE ON EXPLORATORY HOLE RECORDS

GRAVCZS	GRAVCZSB	GRAVCZSK	GRAVK	GRAVS	GRAVSB	GRAVSK	GRAVSO	GRAVZ
GRAVZK	GRAVZS	GRAVZSB	GRAVZSK	LST	LSTSLT	MARBLE	MASONRY	METACON
METAREG	MUDSTONE	ORGANICS	PAVIORS	PEGMTITE	PHYLLITE	QUARTZIT	RHYOLITE	SAND
SANDB	SANDC	SANDCB	SANDCG	SANDCGB	SANDCGK	SANDCGO	SANDCK	SANDCO
SANDCZ	SANDCZB	SANDCZG	SANDCZGB	SANDCZK	SANDCZO	SANDG	SANDGB	SANDGK
SANDGO	SANDK	SANDSTON	SANDZ	SANDZB	SANDZG	SANDZGB	SANDZGK	SANDZK
SANDZO	SCHIST	SHALE	SILT	SILTB	SILTC	SILTCB	SILTCG	SILTCGB
SILTCGK	SILTCGO	SILTCK	SILTCO	SILTCS	SILTCSB	SILTCSG	SILTCSGK	SILTCSGO
SILTCSK	SILTCSO	SILTG	SILTGB	SILTGK	SILTGO	SILTK	SILTO	SILTOB
SILTS	SILTSB	SILTSG	SILTSGB	SILTSGK	SILTSGO	SILTSK	SILTSKO	SILTISO
SILTSTON	SYENITE	TRACHYTE	TUFF	TUFFFINE				

List of Material Codes for the Log Legend

<u>Material Code</u>	<u>Description</u>
AGGLOM	Agglomerate
ASPHALT	Asphalt
BASALT	Basalt
BIOCLAST	Shells
BLANK	Material not recovered
BLDR	Boulders
BLDRCBBL	Boulders and Cobbles
BRECCIA	Sedimentary Breccia
CBBL	Cobbles
CLAY	Clay
CLAYSTON	Claystone
CONCRETE	Concrete
CONGLOM	Conglomerate
DOLOMITE	Dolomitic Limestone
FILL	Artificial Fill
FISSIN	Fissure Infill
GABBRO	Gabbro, Lamprophyre
GNEISS	Gneiss
GRANITE	Granite
GRAV	Gravel
GRAVCBBL	Gravel and Cobbles
LST	Limestone
LSTSLT	Interbedded Limestone and Siltstone
MARBLE	Marble
MASONRY	Masonry
METACON	Metamorphic Rock - contact
METAREG	Metamorphic Rock - regional
MUDSTONE	Mudstone
ORGANICS	Organic, Peat
PAVIORS	Paviers
PEGMITITE	Pegmatite
PHYLLITE	Phyllite, Mylonite
QUARTZIT	Quartzite
RHYOLITE	Rhyolites
SAND	Sand
SANDSTON	Sandstone
SCHIST	Schist (Medium grained Metamorphic Rock)
SHALE	Shale
SILT	Silt
SILTSTON	Siltstone
SYENITE	Granodiorite, Syenite, Monzonite
TRACHYTE	Trachyte
TUFF	Coarse Ash Tuff, Lapilli Tuff
TUFFFINE	Fine Ash Tuff

Notes: In common ground the following codes are added to the main descriptor in the order stated below to denote secondary constituents:

(i)	C - Clay	(v)	K - Cobbles
(ii)	Z - Silt	(vi)	O - Organic
(iii)	S - Sand	(vii)	B - Shells
(iv)	G - Gravel		

e.g. a silty CLAY with occasional shells and organic material is coded as CLAYZOB

APPENDIX C

DRILLHOLE RECORD

APPENDIX D

DRILLHOLE CORE PHOTOGRAPHS



惠保(香港)有限公司
VIBRO (H.K.) LIMITED

Location : Nim Wan Road Yuen Long

Feature No. : 5NE-B/C75

Hole No. : C75-DH1

Depth (m) : 0.00 to (6.96)

Box No. : 1 of 2

W. O. No. : 05/41/A/50/080

Photo Date : 5/9/06



1m





惠保(香港)有限公司
VIBRO (H.K.) LIMITED

Location : Nim Wan Road Yuen Long

Feature No. : 5NE-B/C75

Hole No. : C75-DH1

Depth (m) : (6.96) to 9.46

Box No. : 2 of 2

W. O. No. : 05/41/A/50/080

Photo Date : 5/9/06



1m

0m

(6.96)

7.54

8.53

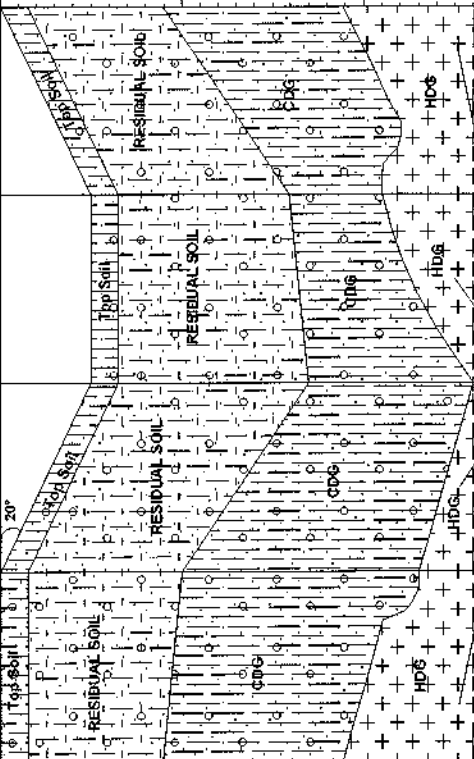
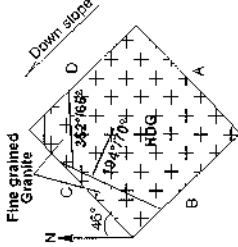
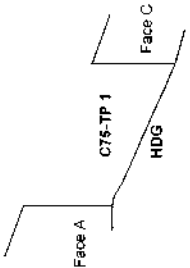
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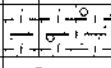
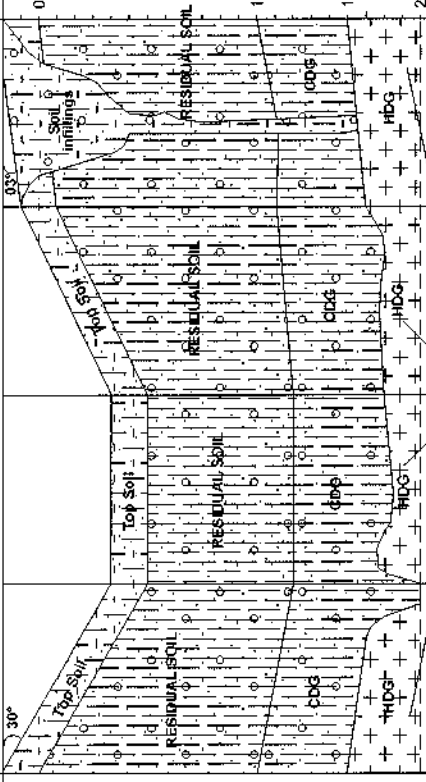
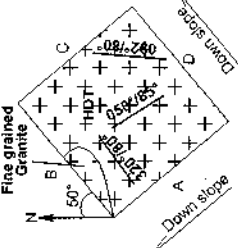
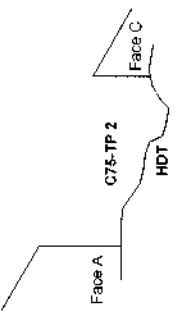
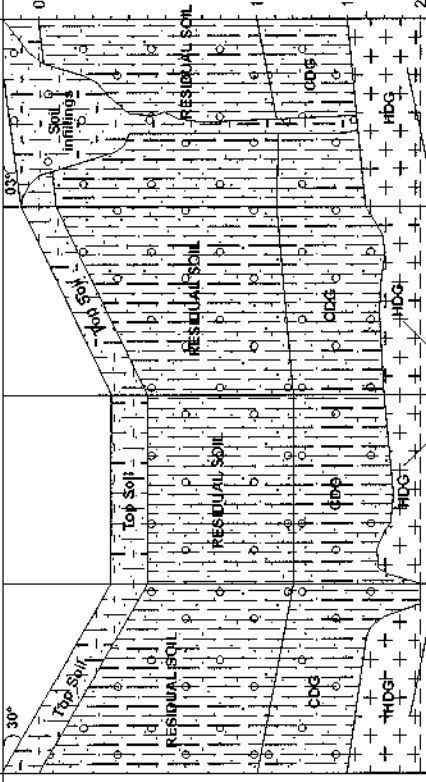
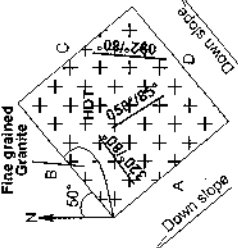
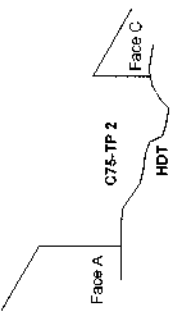
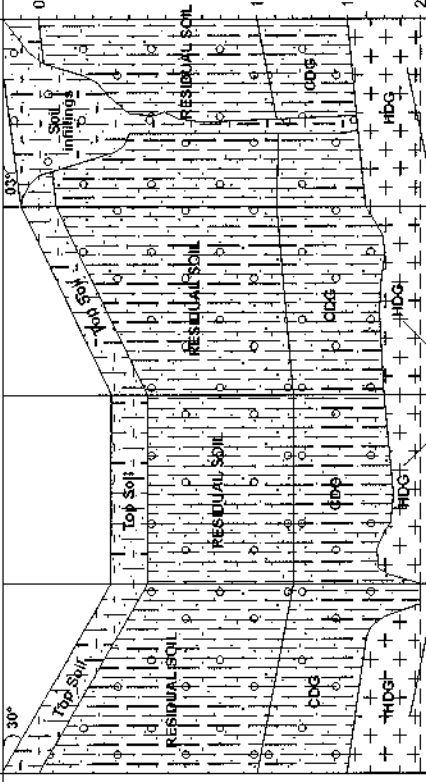
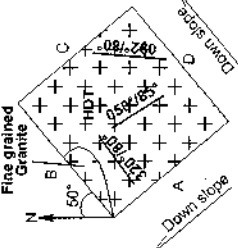
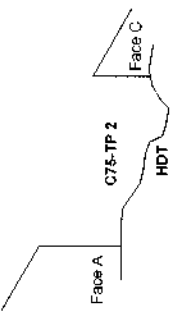
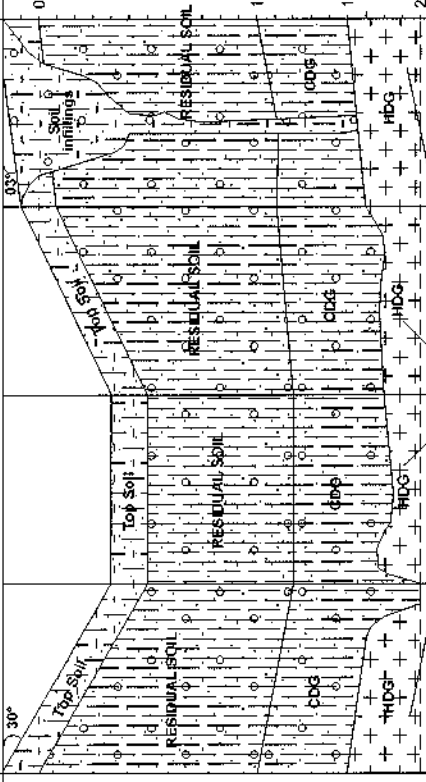
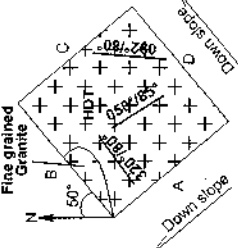
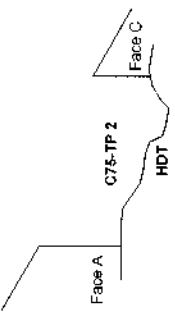
APPENDIX E

TRIAL PIT RECORDS

		VIBRO (H.K.) LIMITED SITE INVESTIGATION DEPARTMENT		TRIAL PIT No.: C75-TP 1	
		TRIAL PIT RECORD		SHEET 1 OF 1	
PROJECT		Nim Wan Road Yuen Long		CONTRACT No. GE/2005/41	
EXCAVATION STARTED ON		16/09/2006		WORKS ORDER No. 05/41/A/50/080	
EXCAVATION COMPLETED ON		18/09/2006		FEATURE No. 5NE-B/C75	
BACKFILLED ON		09/10/2006		LOGGED BY W. Y. Mok	
		CO-ORDINATES		DATE 19/09/2006	
		GROUND LEVEL		CHECKED BY C. M. Sham	
				DATE 20/09/2006	

GRADE	DESCRIPTION	LEGEND	DEPTH (m)	SKETCH	FACE A	FACE B	FACE C	FACE D	SYMBOLS	REMARKS	PLAN	CROSS SECTION
VI	Soft to firm, moist, dark brown (7.5YR 3/4), slightly sandy clayey SILT. (TOP SOIL) Firm to stiff, moist, brown and pinkish brown, slightly sandy clayey SILT with some angular to subangular fine quartz gravel. (RESIDUAL SOIL)		0.15		1.50 m	1.50 m	1.50 m	1.50 m	- Small disturbed sample - Large disturbed sample - Undisturbed horizontal sample - Undisturbed vertical sample - Block sample - In situ density test - Water seepage - Water sample - Standpipe tip - Vane shear test - Percolation test - Environmental Sample	1. Trial pit was dry during excavation. 2. Trial pit was stable during excavation. 3. Timber shoring over the full height. 4. Small disturbed samples were taken from 0.50m to 2.50m at 0.50m intervals. 5. Block samples were taken at 0.70m and 1.70m. 6. Undisturbed U76 samples were taken horizontally at 0.50m and 1.50m at Face A. 7. An undisturbed U76 sample was taken horizontally at 2.00m at Face B. 8. 2 nos. of undisturbed U76 samples were taken horizontally at 2.50m at Faces A and D. 9. CDG = Completely decomposed GRANITE. 10. HDG = Highly decomposed GRANITE.		
V	Extremely weak, light brown, dappled reddish brown, completely medium grained GRANITE. (Sandy SILT with some angular fine gravel)		0.90									
IV	Very weak to weak, pinkish grey, dappled light brown, highly decomposed medium grained GRANITE. Joints are medium spaced, rough planar, extremely narrow, iron stained, dipping 194°/70° and 352°/69°.		1.90									
	End of Trial Pit at 2.60m.		2.80									

		VIBRO (H.K.) LIMITED SITE INVESTIGATION DEPARTMENT				TRIAL PIT No.: C75-TP 2	
		TRIAL PIT RECORD				SHEET 1 OF 1	
PROJECT		Nim Wan Road Yuen Long				CONTRACT No. GE/2005/41	
EXCAVATION STARTED ON		16/09/2006		CO-ORDINATES		E 813591.01	
EXCAVATION COMPLETED ON		18/09/2006				N 833827.54	
BACKFILLED ON		09/10/2006		GROUND LEVEL		+ 12.74 mPD	
						WORKS ORDER No. 05/41/A/50/080	
						FEATURE No. 5NE-B/C75	
						LOGGED BY W. Y. Mok	
						DATE 19/09/2006	
						CHECKED BY C. M. Sham	
						DATE 20/09/2006	

GRADE		DESCRIPTION		LEGEND		DEPTH (m)		SKETCH		PLAN		CROSS SECTION	
VI		Soft to firm, moist, dark brown (7.5YR 3/4), slightly sandy clayey SILT. (TOP SOIL) From 0.00m to 2.00m (Face D) : Soft to firm, moist, dark brown (7.5YR 3/4), slightly sandy clayey SILT with occasional subangular fine gravel (30mm to 40mm). (Soil Infillings). Firm to stiff, moist, brown and light brown, slightly sandy clayey SILT with some angular to subangular fine quartz gravel. (RESIDUAL SOIL)				0.20							
V		Extremely weak, light brown, dappled reddish brown, completely medium grained GRANITE. (Sandy SILT with some angular fine gravel)				1.40							
IV		Very weak to weak, pinkish grey, dappled light brown, highly decomposed medium grained GRANITE. Joints are medium spaced, rough planar, extremely narrow, iron stained, dipping 320°/80° - 050°/85° and 092°/80°. End of Trial Pit at 2.30m.				1.90							
						2.30							

SAMPLES & TESTS		DEPTH (m)		SYMBOLS		REMARKS	
           		0.50 0.70 1.00 1.50 1.70 2.00 2.20 3.00 4.00		FACE A 1.50 m FACE B 1.50 m FACE C 1.50 m FACE D 1.50 m FACED 1.50 m		1. Trial pit was dry during excavation. 2. Trial pit was stable during excavation. 3. Timber shoring over the full height. 4. Small disturbed samples were taken from 0.50m to 2.00m at 0.50m intervals. 5. A block sample was taken at 0.70m. 6. 2 nos. of undisturbed U76 samples were taken horizontally at 1.70m at Faces A and C. 7. 2 nos. of undisturbed U76 samples were taken horizontally at 2.20m at Faces A and D. 8. CDG = Completely decomposed GRANITE. 9. HDG = Highly decomposed GRANITE.	

APPENDIX F

TRIAL PIT PHOTOGRAPHS











VIBRO 廣保(香港)有限公司 VIBRO (H.K.) LIMITED		CONTRACT NO.: GE 2005/41	
W.O. NO. 05/41/A/50/080			
STRIP / T.P. No. C75-TPI		FACE BOTTOM	
Feature No. SNE-B/C75			
DATE OF PHOTO 19-9-06			







APPENDIX G

SLOPE STRIPPING RECORDS

		VIBRO (H.K.) LTD. SITE INVESTIGATION DEPARTMENT SLOPE STRIPPING RECORD				STRIPPING No. C75-SS 1 SHEET 1 OF 1	
LOCATION		Nim Wan Road Yuen Long				CONTRACT NO. GE/2005/41	
						WORKS ORDER NO. 05/41/A/50/080	
EXCAVATED ON	09/10/2006	CO-ORDINATES AND LEVELS	CREST	E 813585.44	LOGGED BY	W. Y. Mok	
BACKFILLED ON	12/10/2006			N 833821.30			
FEATURE NO.	5NE-B/C75		TOE		+ 12.25 mPD	DATE	10/10/2006
				E 813580.17	CHECKED BY	C. M. Sham	
				N 833826.80	DATE	11/10/2006	
				+ 5.84 mPD			

SAMPLES AND TESTS No	DEPTH (m)	SLOPE ANGLE (°)	REDUCED LEVEL (mPD)	DISTANCE FROM DATUM (m)	LEGEND	DESCRIPTION	GRADE	DISCONTINUITIES		
								DIRECTION /DIP	NATURE AND INFILLING	
1	0.00	30	+12.25			Firm to stiff, moist, brown (7.5YR 5/4) and greyish brown (2.5Y 5/2), sandy SILT with some angular to subangular fine gravel and rootlets. (RESIDUAL SOIL)	VI			
2	0.50									
3	1.00									
4	1.50									
5	2.00									
6	2.50									
7	2.70									
8	3.00									
9	3.50									
10	4.00									
11	4.50									
			+ 9.73	4.70		Weak to moderately weak, light gray, mottled light brown, highly decomposed fine grained GRANITE. Joints are closely to medium spaced, rough planar, extremely narrow to very narrow.	IV	050°/68° 032°/55° 230°/80°	Iron and manganese stained. Iron and manganese stained. Iron and manganese stained.	
			+ 7.52	8.00		Moderately strong to strong, light grey and pinkish grey, dappled light brown, moderately decomposed fine grained GRANITE. Joints are closely to medium spaced, locally very closely spaced, rough planar, extremely narrow.	III	069°/76° 292°/80° 212°/76° 334°/81°	Iron and manganese stained. Iron and manganese stained. Iron and manganese stained. Iron and manganese stained.	
			+ 5.84	10.30		End of Stripping at 10.30m.				

REMARKS :

- Natural surface.
- Small disturbed samples were taken from 0.00m to 4.50m at 0.50m intervals.
- An undisturbed U76 sample was taken perpendicularly to the slope surface at 2.70m.

SYMBOLS	SKETCH PLAN	SKETCH SECTION
● Small Disturbed Sample ↓ Large Disturbed Sample □ Block Sample ■ U100 undisturbed sample ▨ U76 undisturbed sample ▲ Water Sample - U Insitu Density Test - N - Schmidt Hammer Test ~ Seepage ↓ GCO Probe Test - W Slope Strip Window		

		VIBRO (H.K.) LTD. SITE INVESTIGATION DEPARTMENT SLOPE STRIPPING RECORD				STRIPPING No. C75-SS 2		
						SHEET 1 OF 1		
LOCATION		Nim Wan Road Yuen Long				CONTRACT NO.		GE/2005/41
						WORKS ORDER NO.		05/41/A/50/080
EXCAVATED ON	09/10/2006	CO-ORDINATES AND LEVELS	CREST	E 813592.12	LOGGED BY	W. Y. Mok		
BACKFILLED ON	12/10/2006			N 833828.87				
				+ 12.29 mPD	DATE	10/10/2006		
FEATURE NO.	5NE-B/C75	TOE		E 813587.26	CHECKED BY	C. M. Sham		
				N 833833.90				
				+ 5.76 mPD	DATE	11/10/2006		

SAMPLES AND TESTS No.	DEPTH (m)	SLOPE ANGLE (°)	REDUCED LEVEL (mPD) +12.29	DISTANCE FROM DATUM (m)	LEGEND	DESCRIPTION	GRADE	DISCONTINUITIES	
								DIRECTION /DIP	NATURE AND INFILLING
1	0.00	30				Firm to stiff, moist, brown (7.5YR 5/4), dappled greyish brown, sandy SILT with some angular to subangular fine gravel and rootlets. (RESIDUAL SOIL)	VI		
2	0.50								
3	1.00								
4	1.50								
5	2.00								
6	2.50								
7	3.00								
8	3.50								
9	3.70								
10	4.00								
11	4.50	60				Weak to moderately weak, light grey, dappled light brown, highly decomposed fine grained GRANITE. Joints are closely to medium spaced, rough planar, extremely narrow to very narrow.	IV	020°/80° 202°/85° 200°/30°	Iron and manganese stained. Iron and manganese stained. Iron and manganese stained.
12	5.00								
13	5.50								
14	6.00								
15	6.50								
						Moderately weak to moderately strong, light grey, dappled light brown, moderately decomposed fine grained GRANITE. Joints are closely to medium spaced, rough planar, extremely narrow to very narrow. End of Investigation Hole at 9.00m.	III	055°/80°	Iron and manganese stained.

REMARKS :

- Natural surface.
- Small disturbed samples were taken from 0.00m to 6.50m at 0.50m intervals.
- An undisturbed U76 sample was taken perpendicularly to the slope surface at 3.70m.

SYMBOLS ● Small Disturbed Sample ⬮ Large Disturbed Sample ▣ Block Sample ■ U100 undisturbed sample ▤ U76 undisturbed sample ▲ Water Sample ⊥ Insitu Density Test ⌊ N - Schmidt Hammer Test ⌋ Seepage ⌋ GCO Probe Test - W Slope Strip Window	SKETCH PLAN 	SKETCH SECTION
--	------------------------	---------------------------

APPENDIX H

SLOPE STRIPPING PHOTOGRAPHS





















VIBRO 廣州市振華建設有限公司 VIBRO (H.K.) LIMITED		CONTRACT NO.: GE-2005/41	
W.O. NO: 05/41/A/50/08Q			
STRIP / T.P. No	C75-SS2	FACE:	9 END
Feature No:	5NE-B/C75		
DATE OF PHOTO	10-10-06		

APPENDIX I

INSTRUMENT INSTALLATION DETAILS



VIBRO (H.K.) LIMITED

SITE INVESTIGATION DEPARTMENT

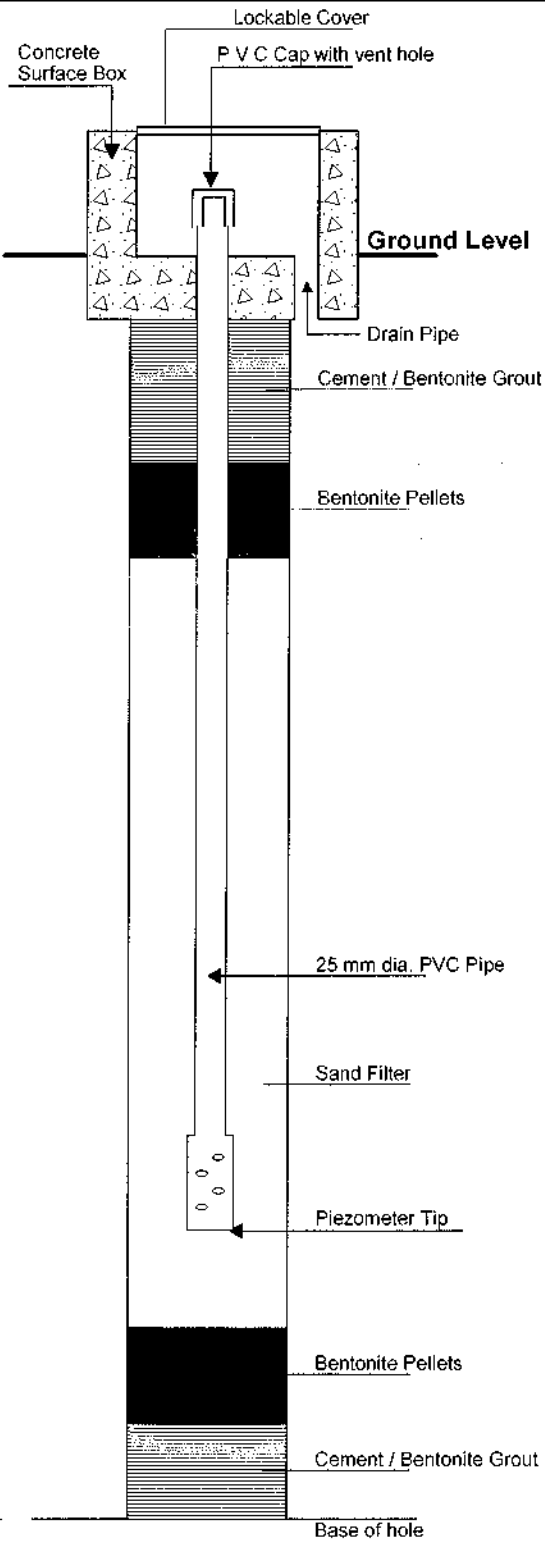
DRILLHOLE No.
C75-DH 1

PIEZOMETER INSTALLATION DETAILS

SHEET 1 OF 1

LOCATION	Nim Wan Road Yuen Long			CONTRACT No.	GE/2005/41
INSTALLED BY	H. Y. Ngan	CO-ORDINATES	E 813588.49	WORKS ORDER No.	05/41/A/50/080
DATE	01/09/2006			FEATURE No.	5NE-B/C75
TESTED BY	W. K. Wong		N 833817.30	GROUND LEVEL	+ 13.85 mPD
DATE	02/09/2006			INITIAL WATER LEVEL	Dry
CHECKED BY	C. M. Sham	STOP WATCH ID	SW005	RESPONSE ZONE	3.40m TO 4.70m
DATE	08/09/2006	DIP METER ID	DM1001		
INSTRUMENT TYPE	PIEZOMETER	INSTRUMENT DEPTH	4.20m bGL		

INSTALLATION DETAILS OF PIEZOMETER

Reduced Level (mPD)	Depth (m) Above / Below ground level			BUCKETS (IF ANY)	
				Depth from (m)	Depth to (m)
+14.05	0.20			1.50	
+13.95	0.10			4.00	
+13.85	0.00				
+13.55	0.30				
+11.45	2.40				
+10.45	3.40				
+9.65	4.20				
+9.15	4.70				
+8.15	5.70				
+4.39	9.46				

(Not to Scale)

APPENDIX J

INSTRUMENT RESPONSE TEST RECORDS

$d = \frac{0.025}{\text{m}}$ $d_1 = \frac{\quad}{\text{m}}$
 $D = \frac{0.114}{\text{m}}$ $h_p = \frac{0.10}{\text{m}}$
 $L = \frac{1.30}{\text{m}}$

Top of pipe
 Ground Level
 Diameter of standpipe or piezometer tube
 Cement / Bentonite Grout
 Water level at $t = 0$
 Water level after time t
 Initial ground Water level
 Bentonite Pellets
 3.40 m bGL
 Top of tested zone
 L = Length of Response Zone
 Sand Filter
 4.70 m bGL
 Base of tested zone
 Diameter of Drillhole D

$$A = \left(\frac{d}{2}\right)^2 \pi = \frac{T \cdot \frac{N/A}{m^2}}{N/A}$$

Completely decomposed GRANITE

APPENDIX K

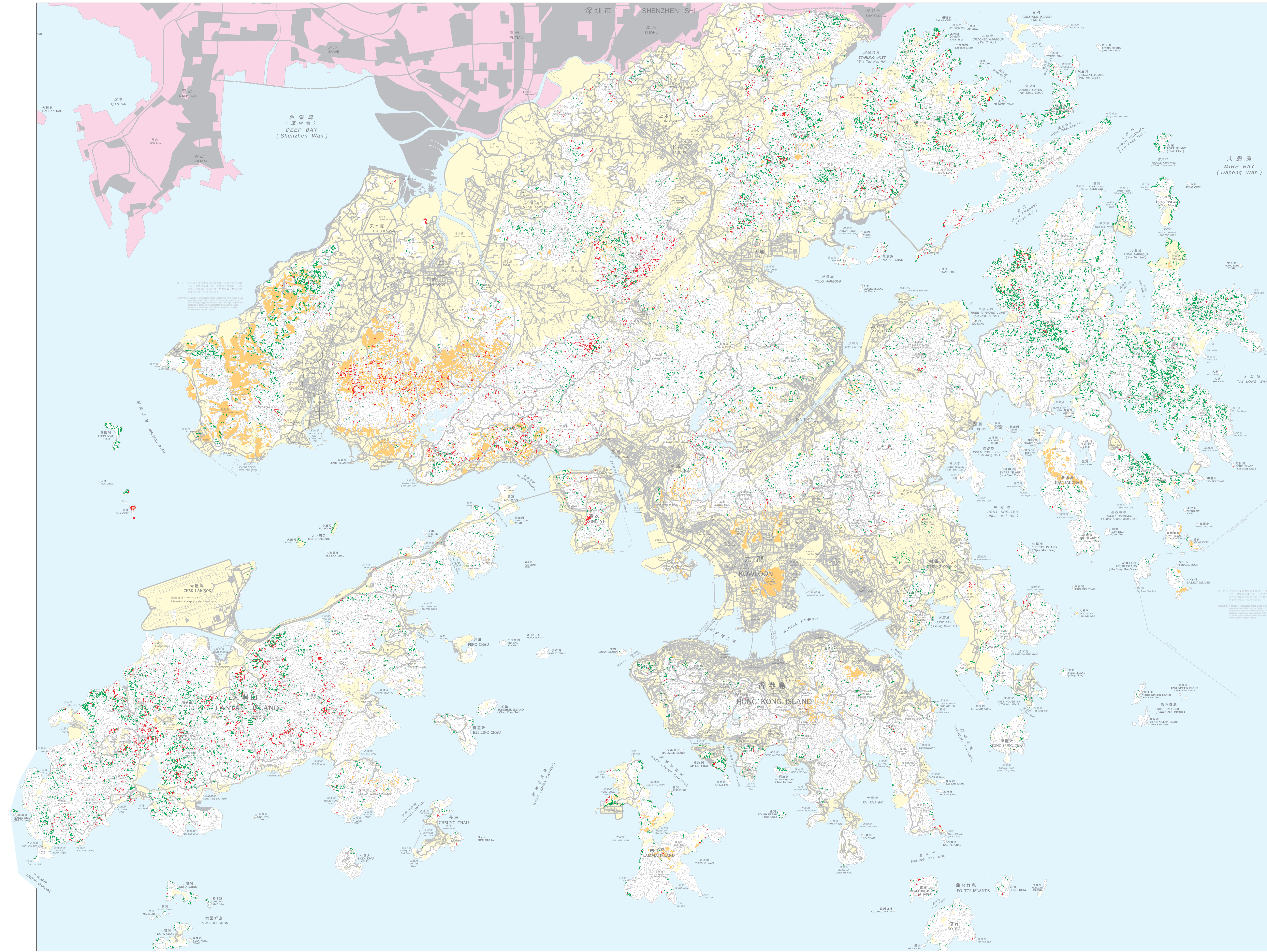
GROUNDWATER MONITORING RECORDS

LOCATION	Nim Wan Road Yuen Long			CONTRACT No.		GE/2005/41
				WORKS ORDER No.		05/41/A/50/080
INSTALLED BY	H. Y. Ngan	CO-ORDINATES	E 813588.49	FEATURE No.		5NE-B/C75
DATE	01/09/2006			INSTRUMENT No.		C75-DH 1
CHECKED BY	C. M. Sham		N 833817.30	INSTRUMENT	TYPE	PIEZOMETER
DATE	11/09/2006				DEPTH	4.20m bGL
BUCKETS (IF ANY) DEPTH	From 1.50m	GROUND LEVEL	+ 13.85 mPD		LEVEL	+9.65mPD
	To 4.00m					
SPACING	@ 0.50m	BASE OF BOREHOLE	+4.39 mPD	RESPONSE ZONE		+10.45mPD TO +9.15mPD

[illegible]

Appendix F

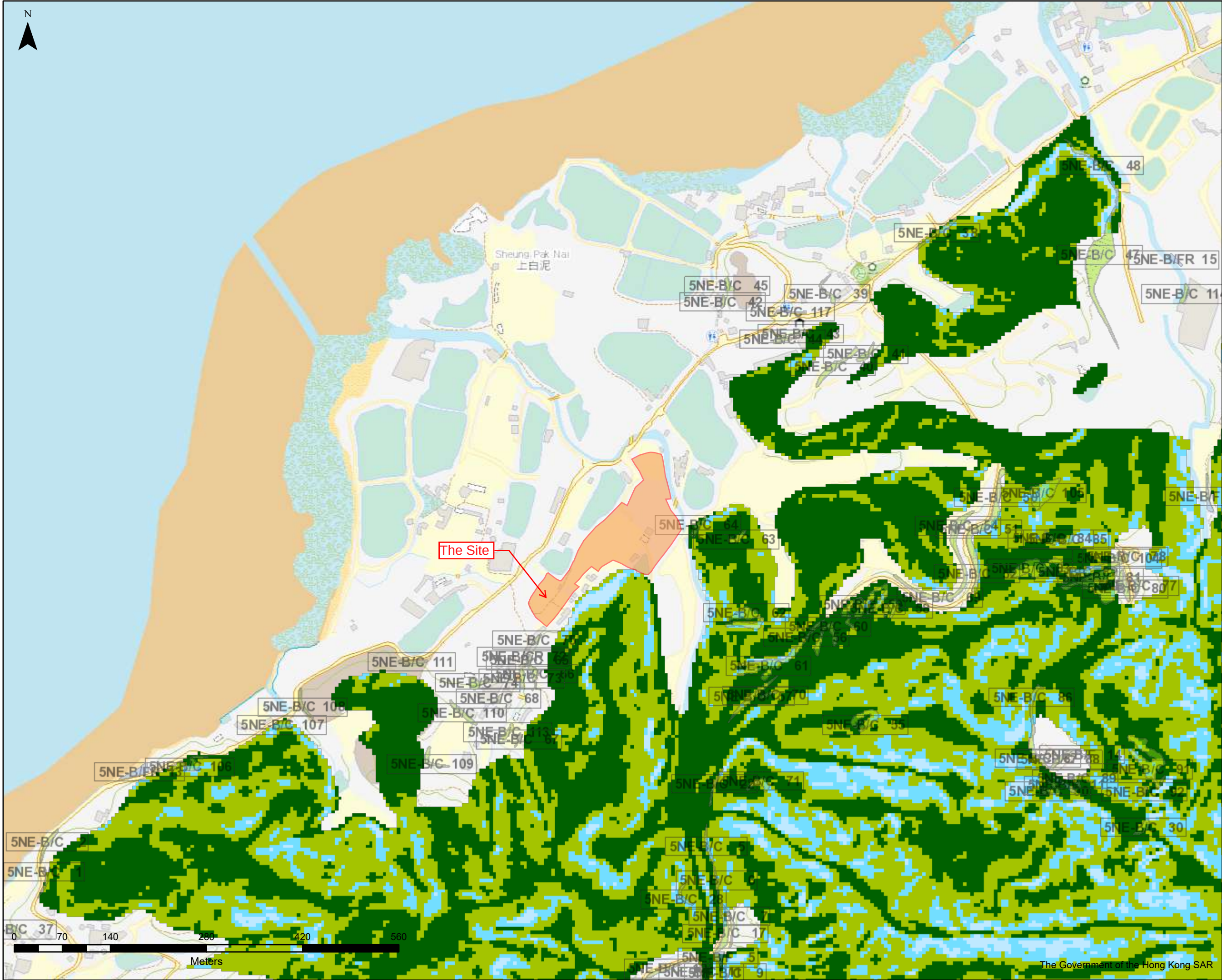
Natural Terrain Landslide Inventory Map



LEGEND

- Undeveloped Area (1994)
- Developed Area (1994)
- Gully
- Recent Landslide
- Relict Landslide
- Site Boundary

no.	date	description	initial
REVISION			
		name	date
prepared	Intergraph Hong Kong Ltd.		
checked	N. W. Woods		
file no.	GCP 2/A1/3		
project	NATURAL TERRAIN LANDSLIDE STUDY PHASES I & 2		
drawing title	NATURAL TERRAIN LANDSLIDE INVENTORY MAP		
drawing no.	GEO/P/PTE/10		scale 1:70 000
office	PLANNING DIVISION GEOTECHNICAL ENGINEERING OFFICE		
		CIVIL ENGINEERING DEPARTMENT	



- Man-made Features
- Cut slopes
 - Disturbed terrain
 - Fill slopes
 - NT defence measures
 - NT stabilisation measures
 - Retaining walls
- Slope Features

Overlays Ordered Layers

Ls Frequency Map

Grid-based Annual Theoretical Landslide (No./Year)

- >1.0 x 10(-4)
- >5.0 x 10(-5) - 1.0 x 10(-4)
- >1.0 x 10(-5) - 5.0 x 10(-5)
- >1.0 x 10(-6) - 1.0 x 10(-5)
- <1.0 x 10(-6)

Division

Scale 1:5000

Date 25/01/2026

GEOTECHNICAL ENGINEERING OFFICE
CEDD
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

The Government of the Hong Kong SAR

Appendix G

Scheduled Area



NOTES:

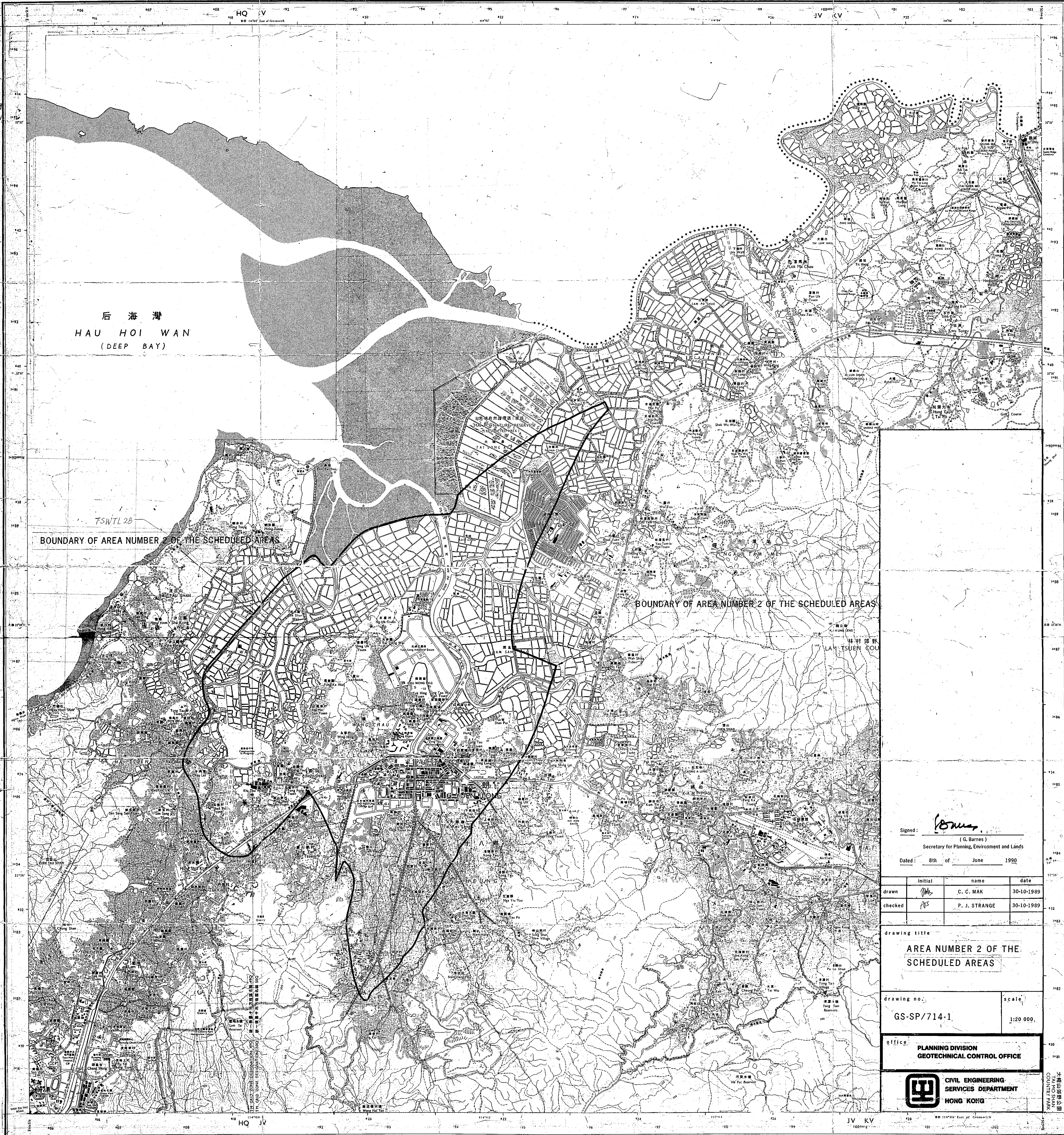
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		name	date
surveyed			
designed			
drawn	8/6/82		
traced	8/4/82		
checked			

contract no.
file no.
project no.
contract

drawing title
MID - LEVELS AREA

drawing no. GCB 1	scale 1: 2 500
office	

D.W. McDonald
(D. W. McDonald)
Secretary for Lands and Works
Dated the 28th of April 1982.



Signed: *G. Barnes*
(G. Barnes)
Secretary for Planning, Environment and Lands
Dated: 8th of June 1990

	initial	name	date
drawn	<i>MB</i>	C. C. MAK	30-10-1989
checked	<i>PJS</i>	P. J. STRANGE	30-10-1989

drawing title
**AREA NUMBER 2 OF THE
SCHEDULED AREAS**

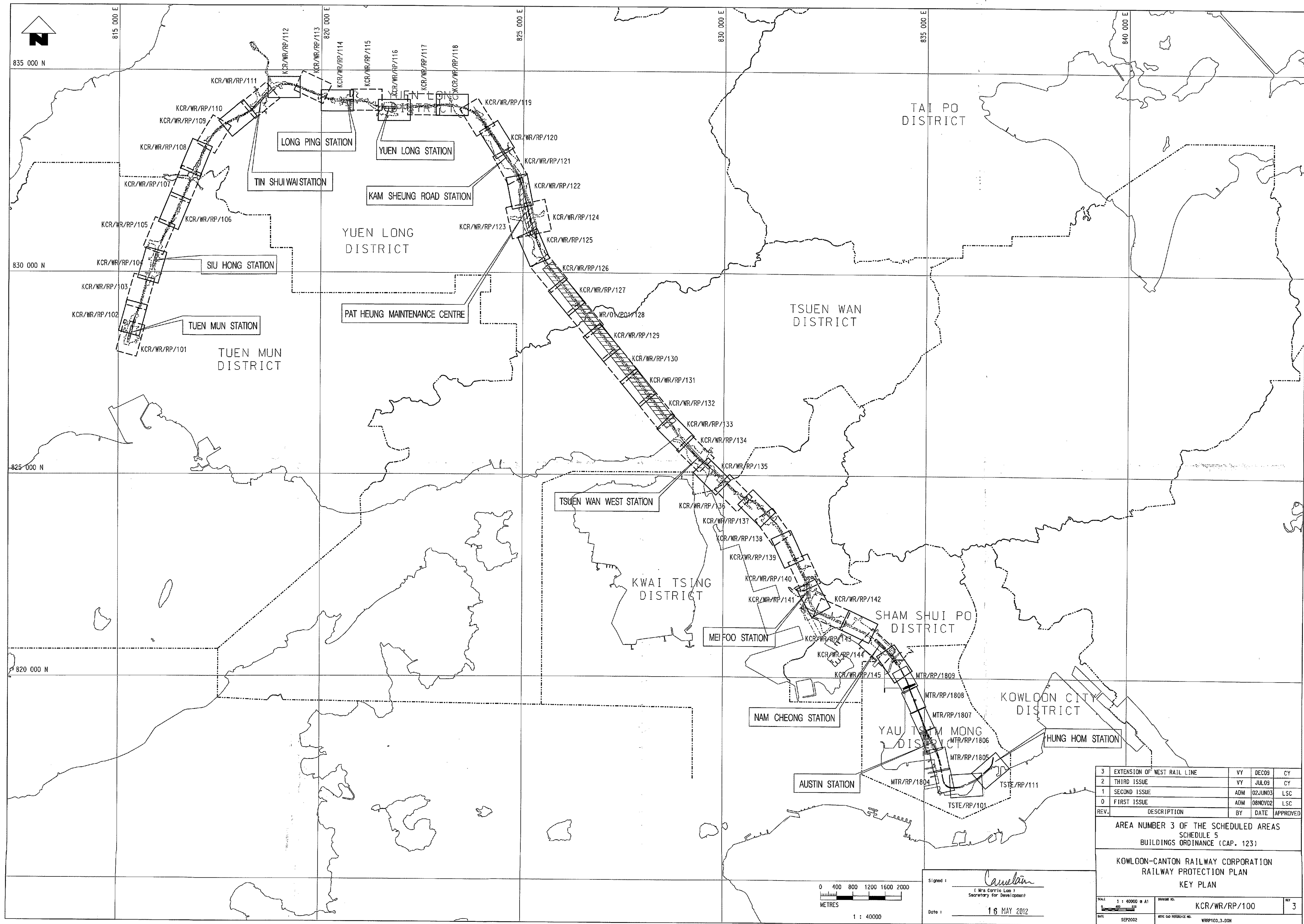
drawing no. **GS-SP/714-1** scale **1:20 000**

office **PLANNING DIVISION
GEOTECHNICAL CONTROL OFFICE**



**CIVIL ENGINEERING
SERVICES DEPARTMENT
HONG KONG**

大帽山郊野公園
TAI MO SHAN
COUNTRY PARK



3	EXTENSION OF WEST RAIL LINE	VY	DEC09	CY
2	THIRD ISSUE	VY	JUL09	CY
1	SECOND ISSUE	ADM	02JUN03	LSC
0	FIRST ISSUE	ADM	08NOV02	LSC
REV.	DESCRIPTION	BY	DATE	APPROVED

AREA NUMBER 3 OF THE SCHEDULED AREAS
SCHEDULE 5
BUILDINGS ORDINANCE (CAP. 123)

KOWLOON-CANTON RAILWAY CORPORATION
RAILWAY PROTECTION PLAN
KEY PLAN

Signed: *Caroline Lam*
(Mrs Carrie Lam)
Secretary for Development
Date: 16 MAY 2012

Scale: 1 : 40000 @ A1
METRES
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1 : 40000

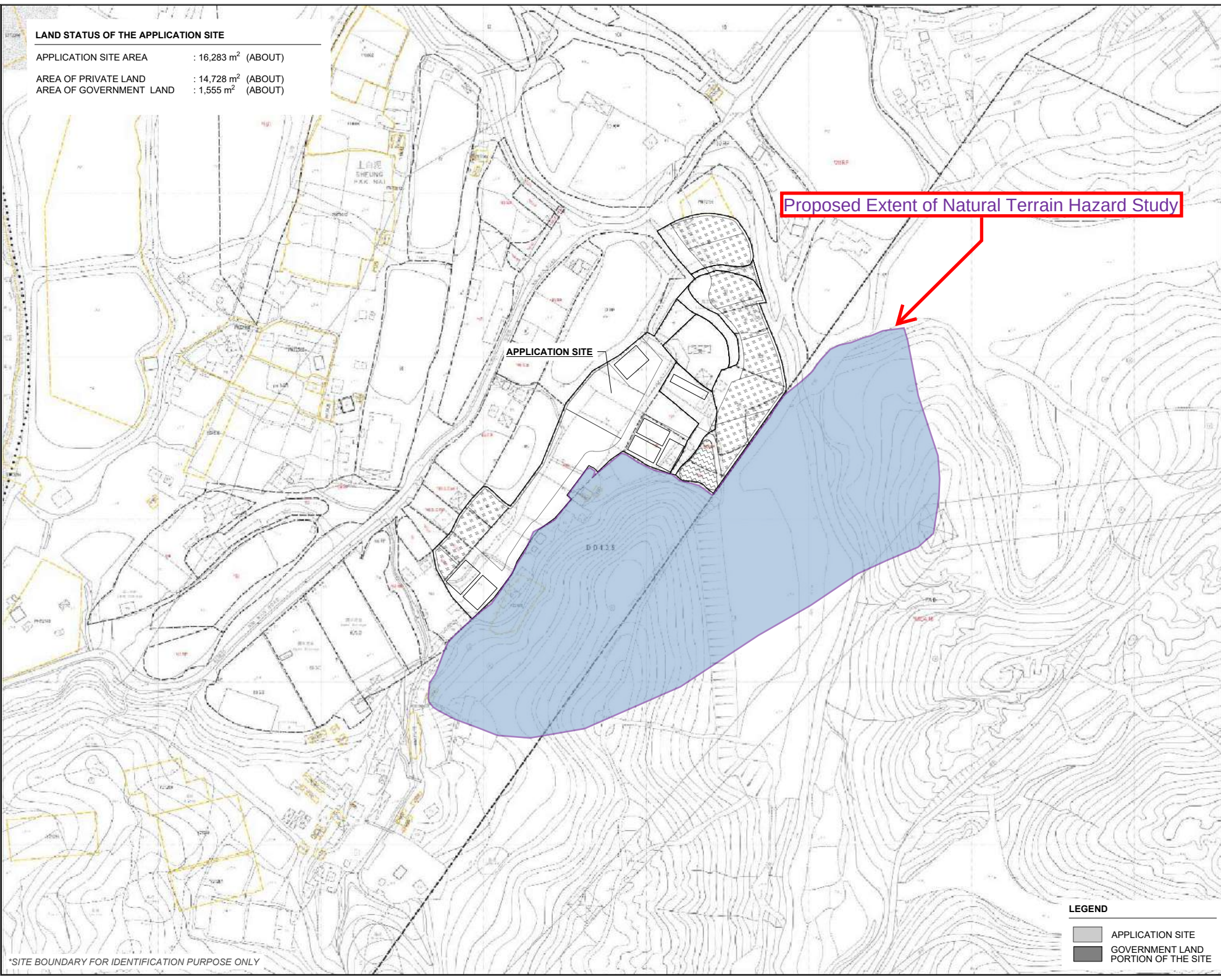
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REV: 3
DATE: SEP2002
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Appendix H

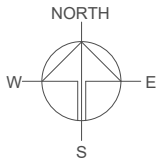
Nature Terrain Hazard Study Plan

LAND STATUS OF THE APPLICATION SITE

APPLICATION SITE AREA	: 16,283 m ² (ABOUT)
AREA OF PRIVATE LAND	: 14,728 m ² (ABOUT)
AREA OF GOVERNMENT LAND	: 1,555 m ² (ABOUT)



Proposed Extent of Natural Terrain Hazard Study



PLANNING CONSULTANT

PROJECT
PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM AND FISHING GROUND), HOLIDAY CAMP, BARBECUE SITE AND ANIMAL BOARDING ESTABLISHMENT WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION
VARIOUS LOTS IN D.D. 135 AND ADJOINING GOVERNMENT LAND, PAK NAI, YUEN LONG, NEW TERRITORIES

SCALE
1 : 3000 @ A4

DRAWN BY	DATE
TL	4.7.2026
REVISED BY	DATE
APPROVED BY	DATE

DWG. TITLE
PROPOSED EXTENT OF NTHS

DWG NO. GPR	VER. 001
----------------	-------------

LEGEND
APPLICATION SITE
GOVERNMENT LAND PORTION OF THE SITE

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY