2022年 4月 28日
此文件在_____收到，城市規劃委員會只會在收到所有必要的資料及文件後才正式確認收到。

This document is received on 28 APR 2022
The Town Planning Board will formally acknowledge the date of receipt of the application only upon receipt of all the required information and documents.

Form No. S16-I
表格第 S16-I 號

APPLICATION FOR PERMISSION UNDER SECTION 16 OF THE TOWN PLANNING ORDINANCE (CAP.131)

根據《城市規劃條例》(第131章)第16條遞交的許可申請

Applicable to proposals not involving or not only involving:
適用於建議不涉及或不祇涉及：

(i) **Construction of "New Territories Exempted House(s)";**
興建「新界豁免管制屋宇」；

(ii) **Temporary use/development of land and/or building not exceeding 3 years in rural areas; and**
位於鄉郊地區土地上及/或建築物內進行為期不超過三年的臨時用途/發展；及

(iii) **Renewal of permission for temporary use or development in rural areas**
位於鄉郊地區的臨時用途或發展的許可續期

Applicant who would like to publish the notice of application in local newspapers to meet one of the Town Planning Board's requirements of taking reasonable steps to obtain consent of or give notification to the current land owner, please refer to the following link regarding publishing the notice in the designated newspapers:
https://www.info.gov.hk/tpb/en/plan_application/apply.html

申請人如欲在本地報章刊登申請通知，以採取城市規劃委員會就取得現行土地擁有人的同意或通知現行土地擁有人所指定的其中一項合理步驟，請瀏覽以下網址有關在指定的報章刊登通知：
https://www.info.gov.hk/tpb/tc/plan_application/apply.html

General Note and Annotation for the Form
填寫表格的一般指引及註解

\# "Current land owner" means any person whose name is registered in the Land Registry as that of an owner of the land to which the application relates, as at 6 weeks before the application is made
「現行土地擁有人」指在提出申請前六星期，其姓名或名稱已在土地註冊處註冊為該申請所關乎的土地的擁有人的人

& Please attach documentary proof 請夾附證明文件

^ Please insert number where appropriate 請在適當地方註明編號

Please fill "NA" for inapplicable item 請在不適用的項目填寫「不適用」

Please use separate sheets if the space provided is insufficient 如所提供的空間不足，請另頁說明

Please insert a「✓」at the appropriate box 請在適當的方格內上加上「✓」號

220/012 21/4 by post

For Official Use Only 請勿填寫此欄	Application No. 申請編號	A/YL-ST/618
	Date Received 收到日期	28 APR 2022

1. The completed form and supporting documents (if any) should be sent to the Secretary, Town Planning Board (the Board), 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong.
申請人須把填妥的申請表格及其他支持申請的文件 (倘有)，送交香港北角渣華道 333 號北角政府合署 15 樓城市規劃委員會(下稱「委員會」)秘書收。

2. Please read the "Guidance Notes" carefully before you fill in this form. The document can be downloaded from the Board's website at http://www.info.gov.hk/tpb/. It can also be obtained from the Secretariat of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong (Tel: 2231 4810 or 2231 4835), and the Planning Enquiry Counters of the Planning Department (Hotline: 2231 5000) (17/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong and 14/F, Sha Tin Government Offices, 1 Sheung Wo Che Road, Sha Tin, New Territories).
請先細閱《申請須知》的資料單張，然後填寫此表格。該份文件可從委員會的網頁下載 (網址：http://www.info.gov.hk/tpb/)，亦可向委員會秘書處 (香港北角渣華道 333 號北角政府合署 15 樓 – 電話：2231 4810 或 2231 4835)及規劃署的規劃資料查詢處(熱線：2231 5000)(香港北角渣華道 333 號北角政府合署 17 樓及新界沙田上禾輋路 1 號沙田政府合署 14 樓)索取。

3. This form can be downloaded from the Board's website, and obtained from the Secretariat of the Board and the Planning Enquiry Counters of the Planning Department. The form should be typed or completed in block letters. The processing of the application may be refused if the required information or the required copies are incomplete.
此表格可從委員會的網頁下載，亦可向委員會秘書處及規劃署的規劃資料查詢處索取。申請人須以打印方式或以正楷填寫表格。如果申請人所提交的資料或文件副本不齊全，委員會可拒絕處理有關申請。

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1. Name of Applicant 申請人姓名/名稱

(☐ Mr. 先生 / ☐ Mrs. 夫人 / ☐ Miss 小姐 / ☐ Ms. 女士 / ☑ Company 公司 / ☐ Organisation 機構)

CLP Power Hong Kong Limited

2. Name of Authorised Agent (if applicable) 獲授權代理人姓名/名稱（如適用）

(☐ Mr. 先生 / ☐ Mrs. 夫人 / ☐ Miss 小姐 / ☐ Ms. 女士 / ☑ Company 公司 / ☐ Organisation 機構)

Kum Shing Engineering Company Limited

3. Application Site 申請地點

(a) Full address / location / demarcation district and lot number (if applicable) 詳細地址／地點／丈量約份及地段號碼（如適用）	Government land in DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL
(b) Site area and/or gross floor area involved 涉及的地盤面積及／或總樓面面積	☑ Site area 地盤面積 42.5 sq.m 平方米 ☑ About 約 ☐ Gross floor area 總樓面面積 ..... sq.m 平方米 ☐ About 約
(c) Area of Government land included (if any) 所包括的政府土地面積（倘有）	42.5 sq.m 平方米 ☑ About 約

(d) Name and number of the related statutory plan(s) 有關法定圖則的名稱及編號	S/YL-ST/8
(e) Land use zone(s) involved 涉及的土地用途地帶	Conservation Area, Green Belt
(f) Current use(s) 現時用途	Local Track (If there are any Government, institution or community facilities, please illustrate on plan and specify the use and gross floor area) (如有任何政府、機構或社區設施，請在圖則上顯示，並註明用途及總樓面面積)

4. "Current Land Owner" of Application Site 申請地點的「現行土地擁有人」

The applicant 申請人 –

☐ is the sole "current land owner"#& (please proceed to Part 6 and attach documentary proof of ownership).
是唯一的「現行土地擁有人」#&(請繼續填寫第 6 部分，並夾附業權證明文件)。

☐ is one of the "current land owners"#& (please attach documentary proof of ownership).
是其中一名「現行土地擁有人」#&(請夾附業權證明文件)。

☐ is not a "current land owner"#.
並不是「現行土地擁有人」#。

☑ The application site is entirely on Government land (please proceed to Part 6).
申請地點完全位於政府土地上（請繼續填寫第 6 部分）。

5. Statement on Owner's Consent/Notification 就土地擁有人的同意/通知土地擁有人的陳述

(a) According to the record(s) of the Land Registry as at ..... (DD/MM/YYYY), this application involves a total of ..... "current land owner(s)"#.
根據土地註冊處截至 ..... 年 ..... 月 ..... 日的記錄，這宗申請共牽涉 ..... 名「現行土地擁有人」#。

(b) The applicant 申請人 –

☐ has obtained consent(s) of ..... "current land owner(s)"#.
已取得 ..... 名「現行土地擁有人」#的同意。

Details of consent of "current land owner(s)"# obtained 取得「現行土地擁有人」#同意的詳情		
No. of 'Current Land Owner(s)' 「現行土地擁有人」數目	Lot number/address of premises as shown in the record of the Land Registry where consent(s) has/have been obtained 根據土地註冊處記錄已獲得同意的地段號碼／處所地址	Date of consent obtained (DD/MM/YYYY) 取得同意的日期 (日/月/年)

(Please use separate sheets if the space of any box above is insufficient. 如上列任何方格的空間不足，請另頁說明)

☐ has notified ..... "current land owner(s)"#
已通知 ..... 名「現行土地擁有人」#。

Details of the "current land owner(s)"# notified 已獲通知「現行土地擁有人」#的詳細資料		
No. of 'Current Land Owner(s)' 「現行土地擁有人」數目	Lot number/address of premises as shown in the record of the Land Registry where notification(s) has/have been given 根據土地註冊處記錄已發出通知的地段號碼／處所地址	Date of notification given (DD/MM/YYYY) 通知日期(日/月/年)

(Please use separate sheets if the space of any box above is insufficient. 如上列任何方格的空間不足，請另頁說明)

☐ has taken reasonable steps to obtain consent of or give notification to owner(s):
已採取合理步驟以取得土地擁有人的同意或向該人發給通知，詳情如下：

Reasonable Steps to Obtain Consent of Owner(s) 取得土地擁有人的同意所採取的合理步驟

☐ sent request for consent to the "current land owner(s)" on _____ (DD/MM/YYYY)#&
於_____(日/月/年)向每一名「現行土地擁有人」#郵遞要求同意書&

Reasonable Steps to Give Notification to Owner(s) 向土地擁有人發出通知所採取的合理步驟

☐ published notices in local newspapers on _____ (DD/MM/YYYY)&
於_____(日/月/年)在指定報章就申請刊登一次通知&

☐ posted notice in a prominent position on or near application site/premises on _____ (DD/MM/YYYY)&
於_____(日/月/年)在申請地點／申請處所或附近的顯明位置貼出關於該申請的通知&

☐ sent notice to relevant owners' corporation(s)/owners' committee(s)/mutual aid committee(s)/management office(s) or rural committee on _____ (DD/MM/YYYY)&
於_____(日/月/年)把通知寄往相關的業主立案法團/業主委員會/互助委員會或管理處，或有關的鄉事委員會&

Others 其他

☐ others (please specify)
其他（請指明）

_____

_____

_____

_____

Note: May insert more than one「✓」.
Information should be provided on the basis of each and every lot (if applicable) and premises (if any) in respect of the application.
註: 可在多於一個方格內加上「✓」號
申請人須就申請涉及的每一地段（倘適用）及處所（倘有）分別提供資料

6. Type(s) of Application 申請類別

☐ Type (i) 第(i)類 Change of use within existing building or part thereof 更改現有建築物或其部分內的用途

☑ Type (ii) 第(ii)類 Diversion of stream / excavation of land / filling of land / filling of pond as required under Notes of Statutory Plan(s) 根據法定圖則《註釋》內所要求的河道改道／挖土／填土／填塘工程

☑ Type (iii) 第(iii)類 Public utility installation / Utility installation for private project 公用事業設施裝置/私人發展計劃的公用設施裝置

☐ Type (iv) 第(iv)類 Minor relaxation of stated development restriction(s) as provided under Notes of Statutory Plan(s) 略為放寬於法定圖則《註釋》內列明的發展限制

☐ Type (v) 第(v)類 Use / development other than (i) to (iii) above 上述的(i)至(iii)項以外的用途／發展

Note 1: May insert more than one「✓」.
註 1： 可在多於一個方格內加上「✓」號
Note 2: For Development involving columbarium use, please complete the table in the Appendix.
註 2： 如發展涉及骨灰安置所用途，請填妥於附件的表格。

(i) For Type (i) application 供第(i)類申請

(a) Total floor area involved 涉及的總樓面面積	sq.m 平方米		
(b) Proposed use(s)/development 擬議用途/發展	(If there are any Government, institution or community facilities, please illustrate on plan and specify the use and gross floor area) (如有任何政府、機構或社區設施，請在圖則上顯示，並註明用途及總樓面面積)		
(c) Number of storeys involved 涉及層數		Number of units involved 涉及單位數目	
(d) Proposed floor area 擬議樓面面積	Domestic part 住用部分 ..... sq.m 平方米 ☐About 約		
	Non-domestic part 非住用部分..... sq.m 平方米 ☐About 約		
	Total 總計 ..... sq.m 平方米 ☐About 約		

(e) Proposed uses of different floors (if applicable) 不同樓層的擬議用途(如適用) (Please use separate sheets if the space provided is insufficient) (如所提供的空間不足，請另頁說明)	Floor(s) 樓層	Current use(s) 現時用途	Proposed use(s) 擬議用途

(ii) For Type (ii) application 供第(ii)類申請

(a) Operation involved 涉及工程	☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填塘深度 ..... m 米 ☐About 約 ☑ Filling of land 填土 Area of filling 填土面積 ..... 42.5 ..... sq.m 平方米 ☑About 約 Depth of filling 填土厚度 ..... 1.8 ..... m 米 ☐About 約 ☑ Excavation of land 挖土 Area of excavation 挖土面積 ..... 42.5 ..... sq.m 平方米 ☑About 約 Depth of excavation 挖土深度 ..... 1.8 ..... m 米 ☐About 約 (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用圖則顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及/或範圍))
(b) Intended use/development 有意進行的用途／發展	1. Public utility installation (Pole & Pole Stay Erection) 2. Filling and Excavation of land

(iii) For Type (iii) applications 供第(iii)類申請

(a) Nature and scale 性質及規模

☑ Public utility installation 公用事業設施裝置

☐ Utility installation for private project 私人發展計劃的公用設施裝置

Please specify the type and number of utility to be provided as well as the dimensions of each building/structure, where appropriate
請註明有關裝置的性質及數量，包括每座建築物/構築物(倘有)的長度、高度和闊度

Name/type of installation 裝置名稱／種類	Number of provision 數量	Dimension of each installation /building/structure (m) (LxWxH) 每個裝置／建築物／構築物的尺寸 (米) (長 x 闊 x 高)
Pole Erection	5	2m (L) x 2m (W) x 10m (H)
Pole Stay Erection	10	1.5m (L) x 1.5m (W) x 5m (H)

(Please illustrate on plan the layout of the installation 請用圖則顯示裝置的布局)

(iv) For Type (iv) application 供第(iv)類申請

(a) Please specify the proposed minor relaxation of stated development restriction(s) and also fill in the proposed use/development and development particulars in part (v) below –
請列明擬議略為放寬的發展限制並填妥於第(v)部分的擬議用途/發展及發展細節 –

☐	Plot ratio restriction 地積比率限制	From 由 ..... to 至 .....
☐	Gross floor area restriction 總樓面面積限制	From 由 .....sq. m 平方米 to 至 .....sq. m 平方米
☐	Site coverage restriction 上蓋面積限制	From 由 .....% to 至 ..... %
☐	Building height restriction 建築物高度限制	From 由 .....m 米 to 至 ..... m 米 From 由 ..... mPD 米 (主水平基準上) to 至 .....mPD 米 (主水平基準上) From 由 ..... storeys 層 to 至 ..... storeys 層
☐	Non-building area restriction 非建築用地限制	From 由 .....m to 至 ..... m
☐	Others (please specify) 其他（請註明）	....

(v) For Type (v) application 供第(v)類申請

(a) Proposed use(s)/development 擬議用途/發展	(Please illustrate the details of the proposal on a layout plan 請用平面圖說明建議詳情)

(b) Development Schedule 發展細節表

Proposed gross floor area (GFA) 擬議總樓面面積	..... sq.m 平方米	☐About 約
Proposed plot ratio 擬議地積比率	.....	☐About 約
Proposed site coverage 擬議上蓋面積	..... %	☐About 約
Proposed no. of blocks 擬議座數	.....	
Proposed no. of storeys of each block 每座建築物的擬議層數	..... storeys 層 ☐ include 包括.....storeys of basements 層地庫 ☐ exclude 不包括.....storeys of basements 層地庫	
Proposed building height of each block 每座建築物的擬議高度	..... mPD 米(主水平基準上) ..... m 米	☐About 約 ☐About 約

☐ Domestic part 住用部分

GFA 總樓面面積	..... sq. m 平方米	☐About 約
number of Units 單位數目	.....	
average unit size 單位平均面積	.....sq. m 平方米	☐About 約
estimated number of residents 估計住客數目	.....	

☐ Non-domestic part 非住用部分

	GFA 總樓面面積	
☐ eating place 食肆	..... sq. m 平方米	☐About 約
☐ hotel 酒店	..... sq. m 平方米	☐About 約
	(please specify the number of rooms 請註明房間數目)	
☐ office 辦公室	..... sq. m 平方米	☐About 約
☐ shop and services 商店及服務行業	..... sq. m 平方米	☐About 約

☐ Government, institution or community facilities 政府、機構或社區設施

(please specify the use(s) and concerned land area(s)/GFA(s) 請註明用途及有關的地面面積／總樓面面積)

.....

.....

.....

☐ other(s) 其他

(please specify the use(s) and concerned land area(s)/GFA(s) 請註明用途及有關的地面面積／總樓面面積)

.....

.....

.....

☐ Open space 休憩用地

(please specify land area(s) 請註明地面面積)

☐ private open space 私人休憩用地	..... sq. m 平方米	☐Not less than 不少於
☐ public open space 公眾休憩用地	..... sq. m 平方米	☐Not less than 不少於

(c) Use(s) of different floors (if applicable) 各樓層的用途（如適用）

[Block number] [座數]	[Floor(s)] [層數]	[Proposed use(s)] [擬議用途]
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

(d) Proposed use(s) of uncovered area (if any) 露天地方（倘有）的擬議用途

.....

.....

.....

.....

.....

7. Anticipated Completion Time of the Development Proposal 擬議發展計劃的預計完成時間

Anticipated completion time (in month and year) of the development proposal (by phase (if any)) (e.g. June 2023)
擬議發展計劃預期完成的年份及月份 (分期 (倘有)) (例：2023 年 6 月)
(Separate anticipated completion times (in month and year) should be provided for the proposed public open space and Government, institution or community facilities (if any))
(申請人須就擬議的公眾休憩用地及政府、機構或社區設施 (倘有) 提供個別擬議完成的年份及月份)

Target Complete Date: Before Sep 2022 (About 3 weeks)

8. Vehicular Access Arrangement of the Development Proposal 擬議發展計劃的行車通道安排

Any vehicular access to the site/subject building? 是否有車路通往地盤／有關建築物？	Yes 是	☑ There is an existing access. (please indicate the street name, where appropriate) 有一條現有車路。(請註明車路名稱(如適用)) Lok Ma Chau Road via local road ☐ There is a proposed access. (please illustrate on plan and specify the width) 有一條擬議車路。（請在圖則顯示，並註明車路的闊度）
	No 否	☐
Any provision of parking space for the proposed use(s)? 是否有為擬議用途提供停車位？	Yes 是	☐ (Please specify type(s) and number(s) and illustrate on plan) 請註明種類及數目並於圖則上顯示) Private Car Parking Spaces 私家車車位 ____ Motorcycle Parking Spaces 電單車車位 ____ Light Goods Vehicle Parking Spaces 輕型貨車泊車位 ____ Medium Goods Vehicle Parking Spaces 中型貨車泊車位 ____ Heavy Goods Vehicle Parking Spaces 重型貨車泊車位 ____ Others (Please Specify) 其他 (請列明) ____ _____ ____ _____ ____
	No 否	☑
Any provision of loading/unloading space for the proposed use(s)? 是否有為擬議用途提供上落客貨車位？	Yes 是	☐ (Please specify type(s) and number(s) and illustrate on plan) 請註明種類及數目並於圖則上顯示) Taxi Spaces 的士車位 ____ Coach Spaces 旅遊巴車位 ____ Light Goods Vehicle Spaces 輕型貨車車位 ____ Medium Goods Vehicle Spaces 中型貨車車位 ____ Heavy Goods Vehicle Spaces 重型貨車車位 ____ Others (Please Specify) 其他 (請列明) ____ _____ ____ _____ ____
	No 否	☑

9. Impacts of Development Proposal 擬議發展計劃的影響

If necessary, please use separate sheets to indicate the proposed measures to minimise possible adverse impacts or give justifications/reasons for not providing such measures.
如需要的話，請另頁註明可盡量減少可能出現不良影響的措施，否則請提供理據/理由。

Does the development proposal involve alteration of existing building? 擬議發展計劃是否包括現有建築物的改動?	Yes 是	☐ Please provide details 請提供詳情 ....
	No 否	☑
Does the development proposal involve the operation on the right? 擬議發展是否涉及右列的工程? (Note: where Type (ii) application is the subject of application, please skip this section. 註：如申請涉及第(ii)類申請，請跳至下一條問題。)	Yes 是	☐ (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用地盤平面圖顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及/或範圍) ☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填塘深度 ..... m 米 ☐About 約 ☐ Filling of land 填土 Area of filling 填土面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填土厚度 ..... m 米 ☐About 約 ☐ Excavation of land 挖土 Area of excavation 挖土面積..... sq.m 平方米 ☐About 約 Depth of excavation 挖土深度 .....m 米 ☐About 約
	No 否	☐

Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響?	On environment 對環境	Yes 會 ☐	No 不會 ☐
	On traffic 對交通	Yes 會 ☐	No 不會 ☐
	On water supply 對供水	Yes 會 ☐	No 不會 ☐
	On drainage 對排水	Yes 會 ☐	No 不會 ☐
	On slopes 對斜坡	Yes 會 ☐	No 不會 ☐
	Affected by slopes 受斜坡影響	Yes 會 ☐	No 不會 ☐
	Landscape Impact 構成景觀影響	Yes 會 ☐	No 不會 ☐
	Tree Felling 砍伐樹木	Yes 會 ☐	No 不會 ☐
	Visual Impact 構成視覺影響	Yes 會 ☐	No 不會 ☐
	Others (Please Specify) 其他 (請列明)	Yes 會 ☐	No 不會 ☐
	_____ _____		

Please state measure(s) to minimise the impact(s). For tree felling, please state the number, diameter at breast height and species of the affected trees (if possible)
請註明盡量減少影響的措施。如涉及砍伐樹木，請說明受影響樹木的數目、及胸高度的樹幹直徑及品種(倘可)

.....
.....
.....
.....
.....

10. Justifications 理由

The applicant is invited to provide justifications in support of the application. Use separate sheets if necessary.
現誘申請人提供申請理由及支持其申請的資料，如有需要，請另頁說明。

CLP received a new application for electricity supply.

11. Declaration 聲明

I hereby declare that the particulars given in this application are correct and true to the best of my knowledge and belief.
本人謹此聲明，本人就這宗申請提交的資料，據本人所知及所信，均屬真實無誤。

I hereby grant a permission to the Board to copy all the materials submitted in this application and/or to upload such materials to the Board's website for browsing and downloading by the public free-of-charge at the Board's discretion. 本人現准許委員會酌情將本人就此申請所提交的所有資料複製及/或上載至委員會網站，供公眾免費瀏覽或下載。

Signature 簽署 ..... ☐ Applicant 申請人 / ☑ Authorised Agent 獲授權代理人

Au Hin Wah — Name in Block Letters 姓名（請以正楷填寫）

Senior Project Engineer — Position (if applicable) 職位（如適用）

Professional Qualification(s) 專業資格
☐ Member 會員 / ☐ Fellow of 資深會員
☐ HKIP 香港規劃師學會 / ☐ HKIA 香港建築師學會 /
☐ HKIS 香港測量師學會 / ☐ HKIE 香港工程師學會 /
☐ HKILA 香港園境師學會/ ☐ HKIUD 香港城市設計學會
☐ RPP 註冊專業規劃師
Others 其他 .....

on behalf of 代表 Kum Shing Engineering Co. Ltd.

☑ Company 公司 / ☐ Organisation Name and Chop (if applicable) 機構名稱及蓋章（如適用）

Date 日期 12/04/2022 (DD/MM/YYYY 日/月/年)

Remark 備註

The materials submitted in this application and the Board's decision on the application would be disclosed to the public. Such materials would also be uploaded to the Board's website for browsing and free downloading by the public where the Board considers appropriate.
委員會會向公眾披露申請人所遞交的申請資料和委員會對申請所作的決定。在委員會認為合適的情況下，有關申請資料亦會上載至委員會網頁供公眾免費瀏覽及下載。

Warning 警告

Any person who knowingly or wilfully makes any statement or furnish any information in connection with this application, which is false in any material particular, shall be liable to an offence under the Crimes Ordinance.
任何人在明知或故意的情況下，就這宗申請提出在任何要項上是虛假的陳述或資料，即屬違反《刑事罪行條例》。

Statement on Personal Data 個人資料的聲明

1. The personal data submitted to the Board in this application will be used by the Secretary of the Board and Government departments for the following purposes:
委員會就這宗申請所收到的個人資料會交給委員會秘書及政府部門，以根據《城市規劃條例》及相關的城市規劃委員會規劃指引的規定作以下用途：
   (a) the processing of this application which includes making available the name of the applicant for public inspection when making available this application for public inspection; and
   處理這宗申請，包括公布這宗申請供公眾查閱，同時公布申請人的姓名供公眾查閱；以及
   (b) facilitating communication between the applicant and the Secretary of the Board/Government departments.
   方便申請人與委員會秘書及政府部門之間進行聯絡。

2. The personal data provided by the applicant in this application may also be disclosed to other persons for the purposes mentioned in paragraph 1 above.
申請人就這宗申請提供的個人資料，或亦會向其他人士披露，以作上述第 1 段提及的用途。

3. An applicant has a right of access and correction with respect to his/her personal data as provided under the Personal Data (Privacy) Ordinance (Cap. 486). Request for personal data access and correction should be addressed to the Secretary of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong.
根據《個人資料(私隱)條例》(第 486 章)的規定，申請人有權查閱及更正其個人資料。如欲查閱及更正個人資料，應向委員會秘書提出有關要求，其地址為香港北角渣華道 333 號北角政府合署 15 樓。

For Developments involving Columbarium Use, please also complete the following:
如發展涉及靈灰安置所用途，請另外填妥以下資料：

Ash interment capacity 骨灰安放容量@

Maximum number of sets of ashes that may be interred in the niches
在龕位內最多可安放骨灰的數量 _____

Maximum number of sets of ashes that may be interred other than in niches
在非龕位的範圍內最多可安放骨灰的數量 _____

Total number of niches 龕位總數 _____

Total number of single niches
單人龕位總數 _____

Number of single niches (sold and occupied)
單人龕位數目 (已售並佔用) _____

Number of single niches (sold but unoccupied)
單人龕位數目 (已售但未佔用) _____

Number of single niches (residual for sale)
單人龕位數目 (待售) _____

Total number of double niches
雙人龕位總數 _____

Number of double niches (sold and fully occupied)
雙人龕位數目 (已售並全部佔用) _____

Number of double niches (sold and partially occupied)
雙人龕位數目 (已售並部分佔用) _____

Number of double niches (sold but unoccupied)
雙人龕位數目 (已售但未佔用) _____

Number of double niches (residual for sale)
雙人龕位數目 (待售) _____

Total no. of niches other than single or double niches (please specify type)
除單人及雙人龕位外的其他龕位總數 (請列明類別) _____

Number. of niches (sold and fully occupied)
龕位數目 (已售並全部佔用) _____

Number of niches (sold and partially occupied)
龕位數目 (已售並部分佔用) _____

Number of niches (sold but unoccupied)
龕位數目 (已售但未佔用) _____

Number of niches (residual for sale)
龕位數目 (待售) _____

Proposed operating hours 擬議營運時間 _____

@ Ash interment capacity in relation to a columbarium means –
就靈灰安置所而言，骨灰安放容量指：
- the maximum number of containers of ashes that may be interred in each niche in the columbarium;
每個龕位內可安放的骨灰容器的最高數目；
- the maximum number of sets of ashes that may be interred other than in niches in any area in the columbarium; and
在該靈灰安置所並非龕位的範圍內，總共最多可安放多少份骨灰；以及
- the total number of sets of ashes that may be interred in the columbarium.
在該骨灰安置所內，總共最多可安放多少份骨灰。

Gist of Application 申請摘要

(Please provide details in both English and Chinese as far as possible. This part will be circulated to relevant consultees, uploaded to the Town Planning Board's Website for browsing and free downloading by the public and available at the Planning Enquiry Counters of the Planning Department for general information.)
(請盡量以英文及中文填寫。此部分將會發送予相關諮詢人士、上載至城市規劃委員會網頁供公眾免費瀏覽及下載及於規劃署規劃資料查詢處供一般參閱。)

Application No. 申請編號	(For Official Use Only) (請勿填寫此欄)
Location/address 位置／地址	Government land in DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL
Site area 地盤面積	42.5 sq. m 平方米 ☑ About 約 (includes Government land of 包括政府土地 42.5 sq. m 平方米 ☑ About 約)
Plan 圖則	S/YL-ST/8
Zoning 地帶	Conservation Area, Green Belt
Applied use/ development 申請用途/發展	1. Public utility installation (Pole & Pole Stay Erection) 2. Filling and Excavation of land

(i)	Gross floor area and/or plot ratio 總樓面面積及／或地積比率		sq.m 平方米	Plot Ratio 地積比率
		Domestic 住用	☐ About 約 ☐ Not more than 不多於	☐About 約 ☐Not more than 不多於
		Non-domestic 非住用	☐ About 約 ☐ Not more than 不多於	☐About 約 ☐Not more than 不多於
(ii)	No. of block 幢數	Domestic 住用		
		Non-domestic 非住用		
		Composite 綜合用途		

(iii)	Building height/No. of storeys 建築物高度／層數	Domestic 住用	m 米 ☐ (Not more than 不多於)
			mPD 米(主水平基準上) ☐ (Not more than 不多於)
			Storeys(s) 層 ☐ (Not more than 不多於) (☐*Include 包括*/☐ *Exclude 不包括* ☐ *Carport 停車間* ☐ *Basement 地庫* ☐ *Refuge Floor 防火層* ☐ *Podium 平台*)
		Non-domestic 非住用	m 米 ☐ (Not more than 不多於)
			mPD 米(主水平基準上) ☐ (Not more than 不多於)
			Storeys(s) 層 ☐ (Not more than 不多於) (☐*Include 包括*/☐ *Exclude 不包括* ☐ *Carport 停車間* ☐ *Basement 地庫* ☐ *Refuge Floor 防火層* ☐ *Podium 平台*)
		Composite 綜合用途	m 米 ☐ (Not more than 不多於)
			mPD 米(主水平基準上) ☐ (Not more than 不多於)
			Storeys(s) 層 ☐ (Not more than 不多於) (☐*Include 包括*/☐ *Exclude 不包括* ☐ *Carport 停車間* ☐ *Basement 地庫* ☐ *Refuge Floor 防火層* ☐ *Podium 平台*)
(iv)	Site coverage 上蓋面積		% ☐ About 約
(v)	No. of units 單位數目		
(vi)	Open space 休憩用地	Private 私人	sq.m 平方米 ☐ Not less than 不少於
		Public 公眾	sq.m 平方米 ☐ Not less than 不少於

(vii) No. of parking spaces and loading / unloading spaces 停車位及上落客貨車位數目	Total no. of vehicle parking spaces 停車位總數 Private Car Parking Spaces 私家車車位 Motorcycle Parking Spaces 電單車車位 Light Goods Vehicle Parking Spaces 輕型貨車泊車位 Medium Goods Vehicle Parking Spaces 中型貨車泊車位 Heavy Goods Vehicle Parking Spaces 重型貨車泊車位 Others (Please Specify) 其他 (請列明) _____ _____	
	Total no. of vehicle loading/unloading bays/lay-bys 上落客貨車位／停車處總數 Taxi Spaces 的士車位 Coach Spaces 旅遊巴車位 Light Goods Vehicle Spaces 輕型貨車車位 Medium Goods Vehicle Spaces 中型貨車位 Heavy Goods Vehicle Spaces 重型貨車車位 Others (Please Specify) 其他 (請列明) _____ _____	

Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件

	Chinese 中文	English 英文
Plans and Drawings 圖則及繪圖		
Master layout plan(s)/Layout plan(s) 總綱發展藍圖／布局設計圖	☐	☐
Block plan(s) 樓宇位置圖	☐	☐
Floor plan(s) 樓宇平面圖	☐	☐
Sectional plan(s) 截視圖	☐	☑
Elevation(s) 立視圖	☐	☐
Photomontage(s) showing the proposed development 顯示擬議發展的合成照片	☐	☐
Master landscape plan(s)/Landscape plan(s) 園境設計總圖／園境設計圖	☐	☐
Others (please specify). 其他（請註明）	☐	☑
Location plan, Vehicular road access plan		
Reports 報告書		
Planning Statement/Justifications 規劃綱領/理據	☐	☐
Environmental assessment (noise, air and/or water pollutions) 環境評估（噪音、空氣及／或水的污染）	☐	☐
Traffic impact assessment (on vehicles) 就車輛的交通影響評估	☐	☐
Traffic impact assessment (on pedestrians) 就行人的交通影響評估	☐	☐
Visual impact assessment 視覺影響評估	☐	☐
Landscape impact assessment 景觀影響評估	☐	☐
Tree Survey 樹木調查	☐	☐
Geotechnical impact assessment 土力影響評估	☐	☐
Drainage impact assessment 排水影響評估	☐	☐
Sewerage impact assessment 排污影響評估	☐	☐
Risk Assessment 風險評估	☐	☐
Others (please specify) 其他（請註明）	☐	☐

Note: May insert more than one「✓」. 註：可在多於一個方格內加上「✓」號

Note: The information in the Gist of Application above is provided by the applicant for easy reference of the general public. Under no circumstances will the Town Planning Board accept any liabilities for the use of the information nor any inaccuracies or discrepancies of the information provided. In case of doubt, reference should always be made to the submission of the applicant.

註： 上述申請摘要的資料是由申請人提供以方便市民大眾參考。對於所載資料在使用上的問題及文義上的歧異，城市規劃委員會概不負責。若有任何疑問，應查閱申請人提交的文件。

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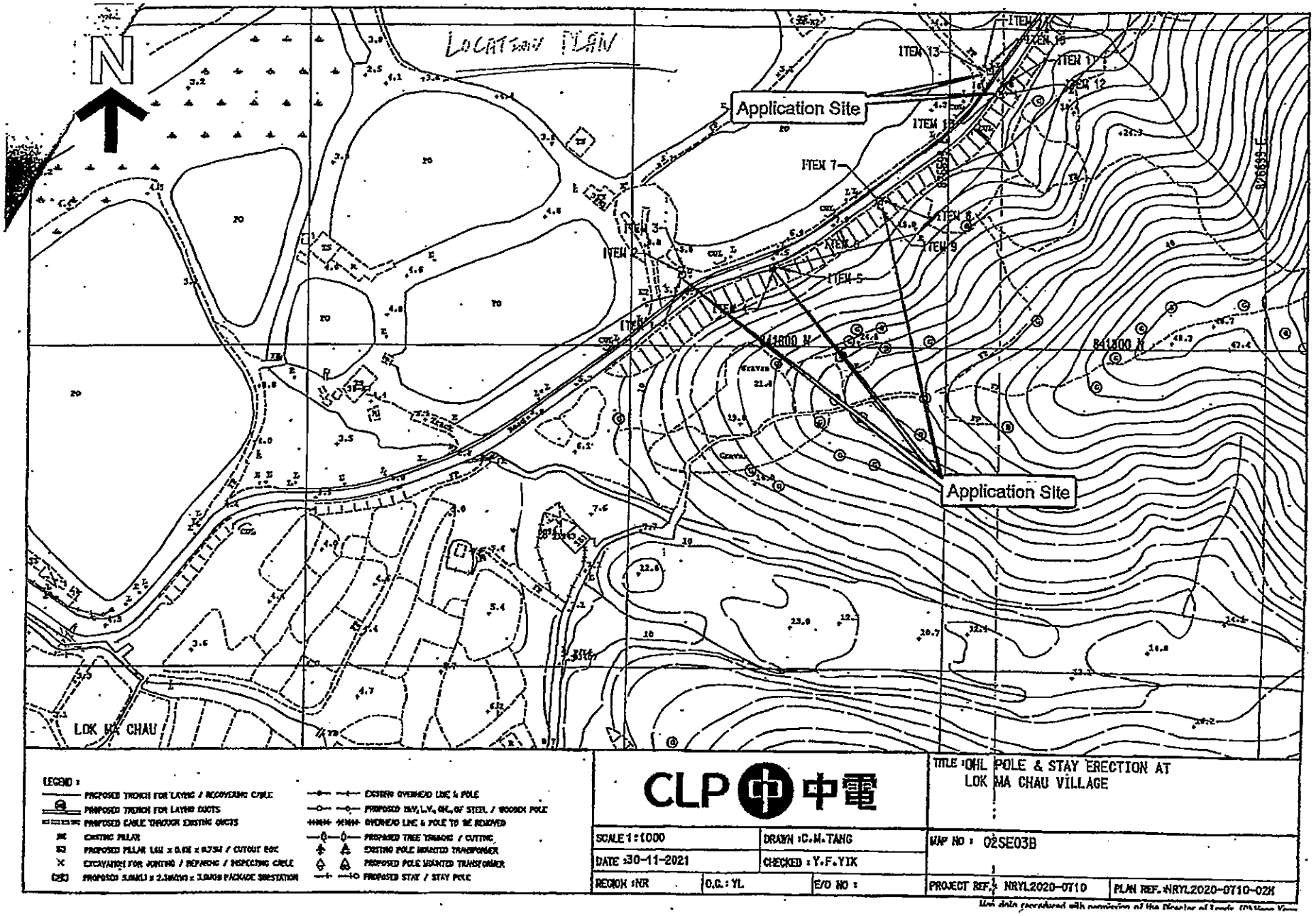
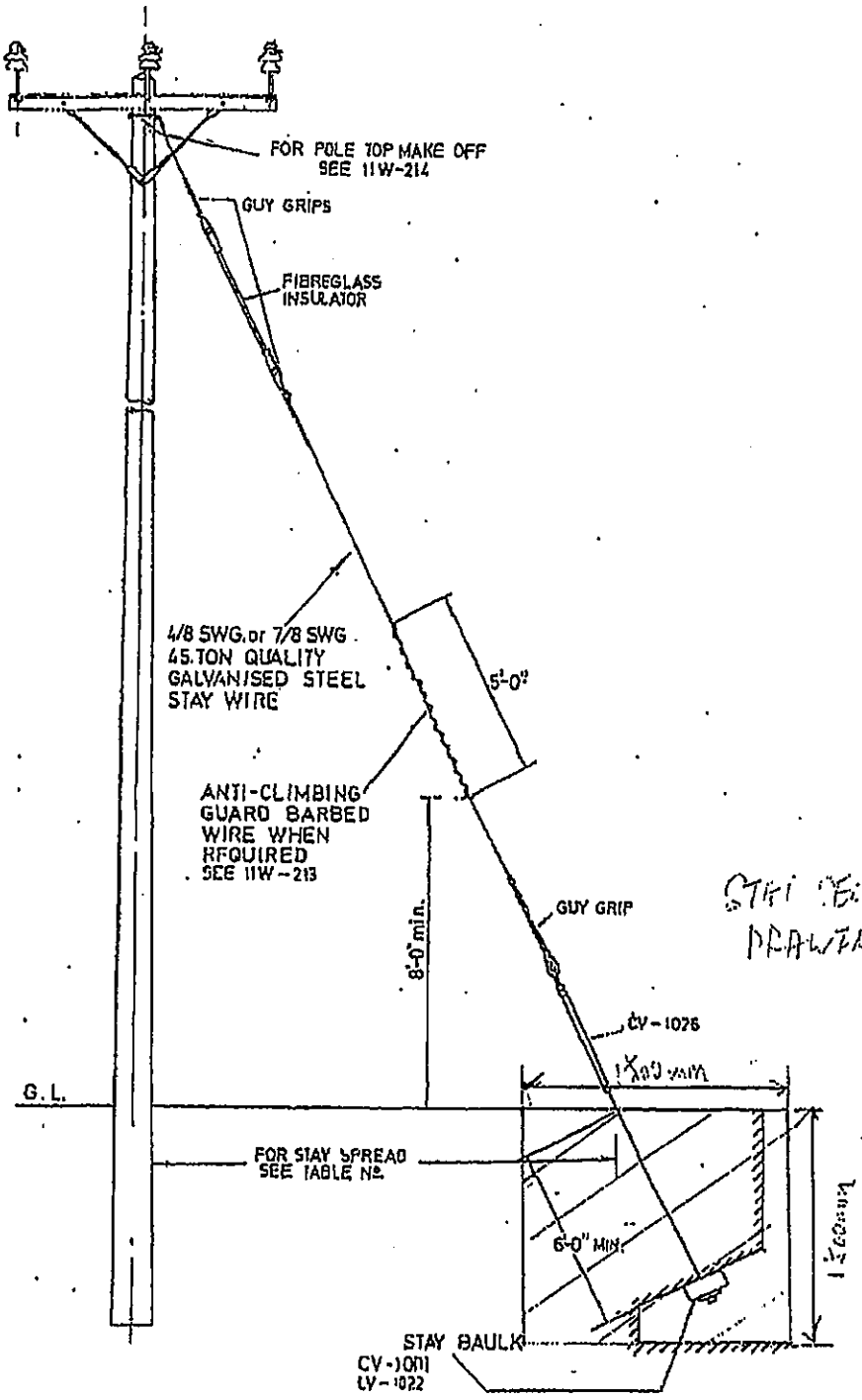

N
LOCATION PLAN
Application Site
Application Site
ITEM 1
ITEM 2
ITEM 3
ITEM 5
ITEM 7
ITEM 8
ITEM 9
ITEM 12
ITEM 13
841800 N
LOK MA CHAU
LEGEND :
PROPOSED TRENCH FOR LAYING / RECOVERING CABLE
PROPOSED TRENCH FOR LAYING DUCTS
PROPOSED CABLE THROUGH EXISTING DUCTS
EXISTING PILLAR
PROPOSED PILLAR (L) x 0.6(B) x 0.75(H) / CUTOUT BOX
EXCAVATION FOR JOINTING / REPAIRING / INSPECTING CABLE
PROPOSED 5.0(M)(L) x 2.5(M)(W) x 3.5(M)(H) PACKAGE SUBSTATION
EXISTING OVERHEAD LINE & POLE
PROPOSED 11kV, L.V., OHL OF STEEL / WOODEN POLE
OVERHEAD LINE & POLE TO BE REMOVED
PROPOSED TREE TRIMMING / CUTTING
EXISTING POLE MOUNTED TRANSFORMER
PROPOSED POLE MOUNTED TRANSFORMER
PROPOSED STAY / STAY POLE
CLP 中電
SCALE 1 : 1000
DRAWN : C.M.TANG
DATE : 30-11-2021
CHECKED : Y.F.YIK
REGION : NR
O.C. : YL
E/O NO :
TITLE : OHL POLE & STAY ERECTION AT LOK MA CHAU VILLAGE
MAP NO : 02SE03B
PROJECT REF. : NRYL2020-0710
PLAN REF. : NRYL2020-0710-02H



STAY BATTEN DRAWING

THIS DWG. SUPERSEDES THE DWG. NO. 11W-201 SHEET 1

CLP 中電

DRAWN: T.W.L.	DATE: 6-2-03
CHECKED: W.M.CHANG	APPROVED: W.M.CHANG
SCALE: N.T.S.	SHEET(S) IN SET: 1

ASSET MANAGEMENT

REVS.	A	B	C	D	E	F	G	H	J	K	L
INITIAL											

TITLE :

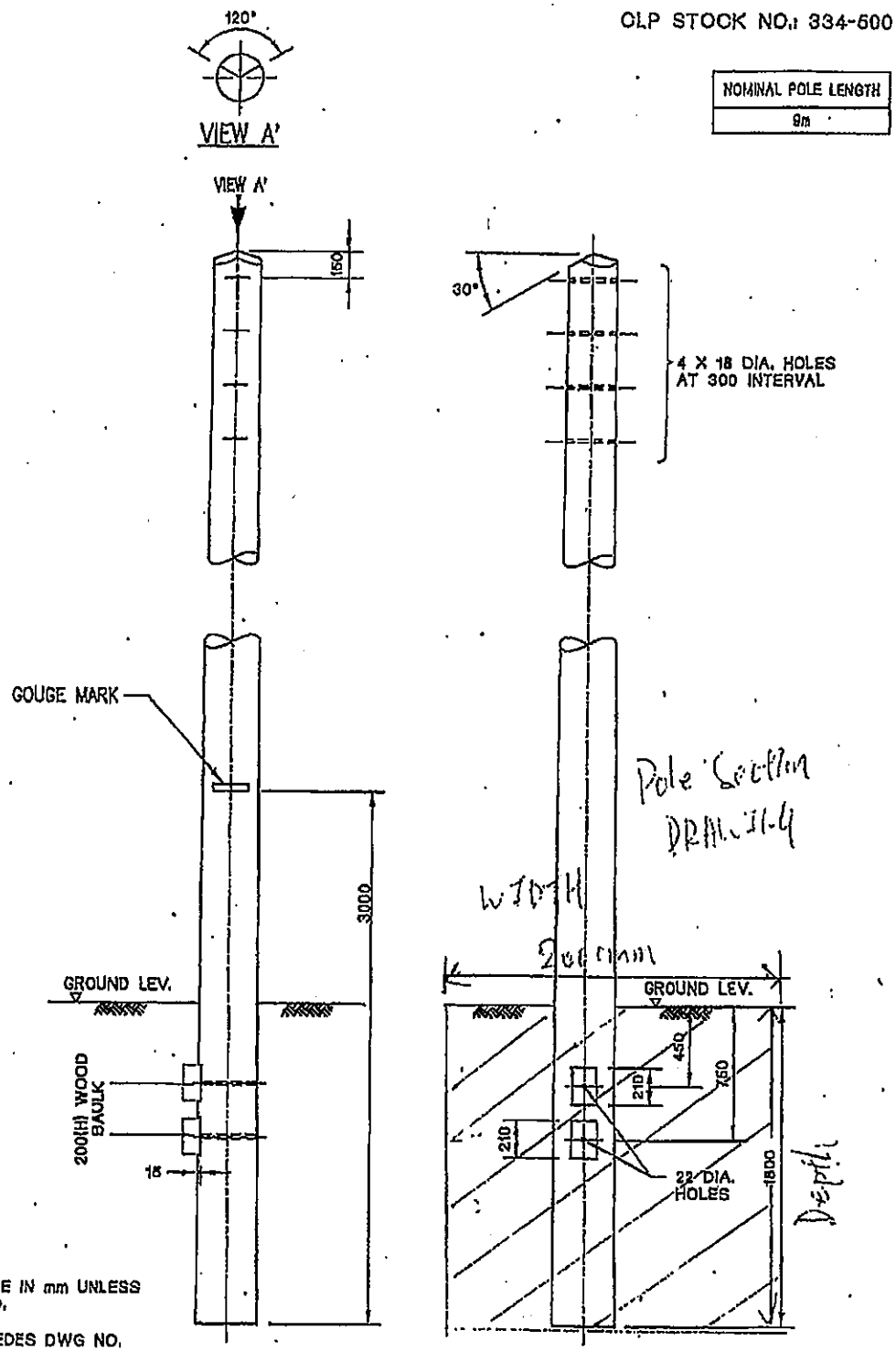
11kV OHL WOOD POLE SPECIFICATION GENERAL ARRANGEMENT OF STAYS (SHEET 1)

PROJECT NO.	CONTRACT NO.

DRG. NO. TGEN512200DE33013601 – A

CLP STOCK NO.: 334-500

NOMINAL POLE LENGTH
9m



NOTE:
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.

THIS DWG. SUPERSEDES DWG NO. ESC/G/95-69

G	GOUGE MARK UPDATED TO 3m	F	ADDITIONAL BAULK, GOUGE MARK MEASUREMENT INCREASED

CLP 中電

REVS.	28.02.02 A	28.1.03 B	6.10.04 C	30.09.15 D	05.09.16 E	13.03.17 F	01.05.17 G	H	J	K	L
INITIAL	HCCHOW	HCCHOW	F.C.	S.K.LAU	K.L.CHAN	K.L.CHAN	K.L.CHAN				

DRAWN: S.C.T.	DATE: 17-3-98
CHECKED: Y.N.S	APPROVED:
SCALE: N.T.S.	SHEET(S) IN SET: 1

TITLE:

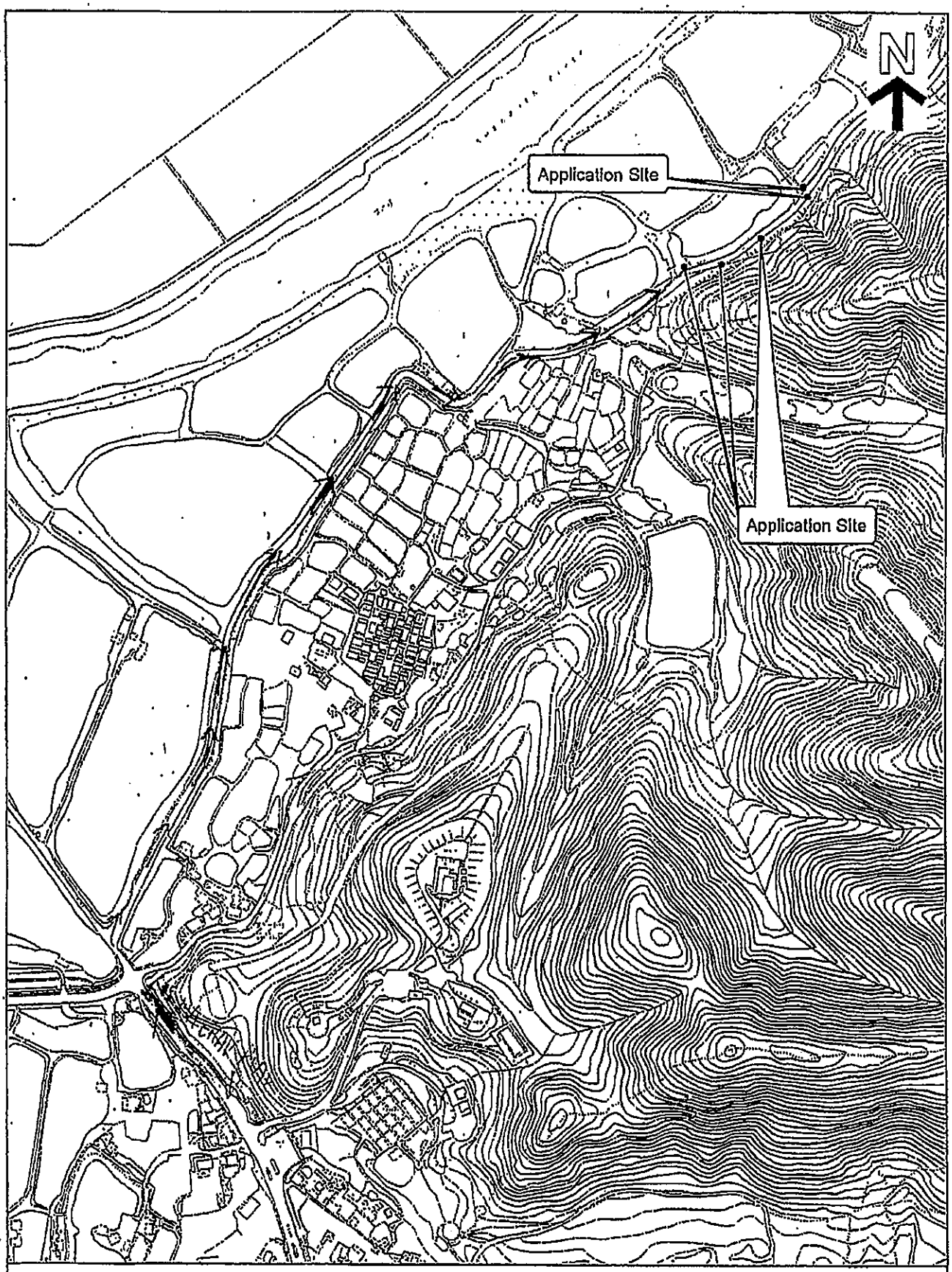
LV OHL WOOD POLE

PROJECT NO.

CONTRACT NO.

ASSET MANAGEMENT

DRG. NO. TGEN5122ODE33002401GA



Vehicular Road Access Plan

本人高舜鵬為丈量約份第 96 約第 1808 號地段地主，申請用電目的如下：

1，防盜。

2，抽排放雨水。

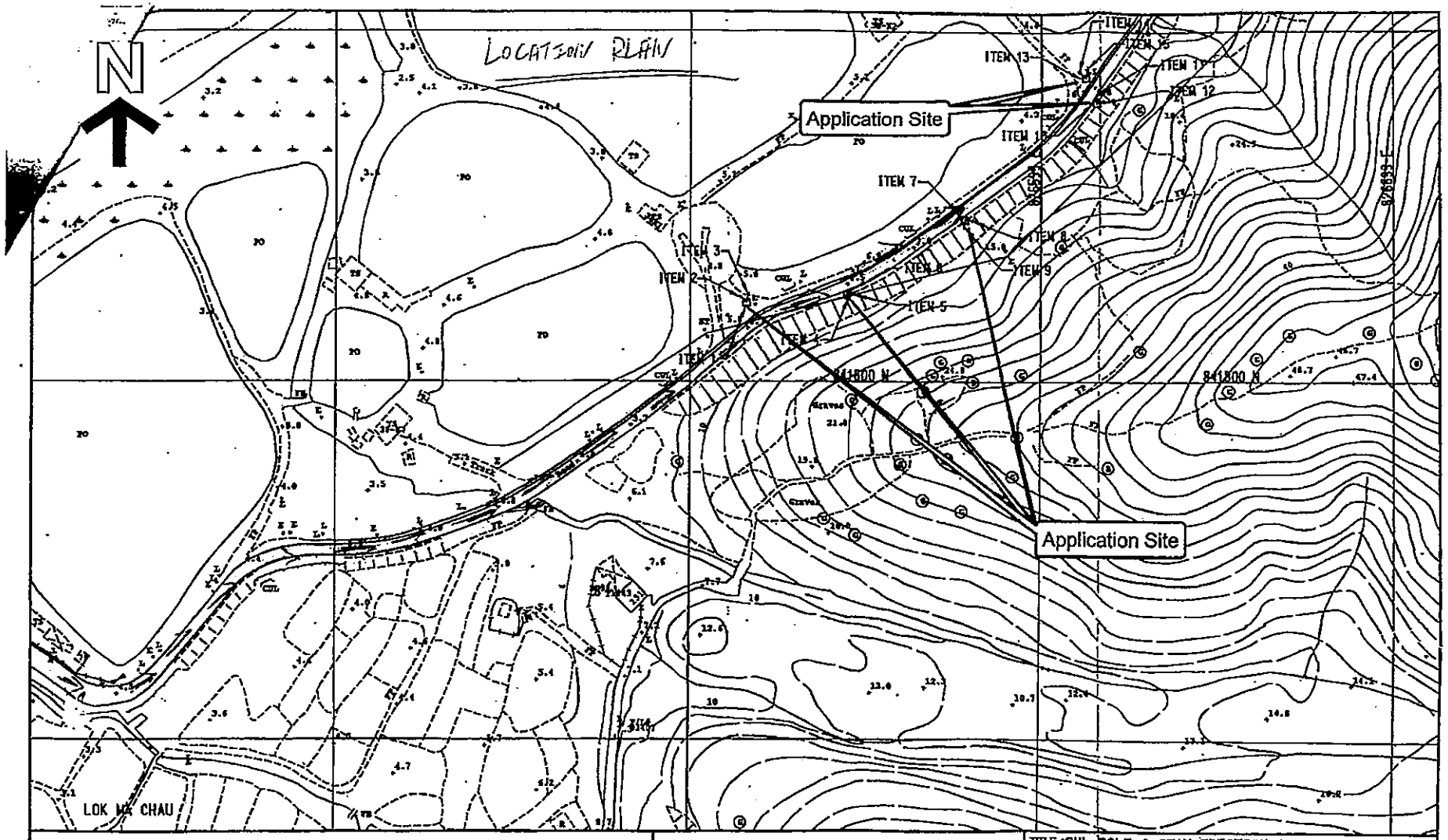
3，安裝太陽能發电。

4，農耕用途。

5，照明。

簽名：

4/5/2022



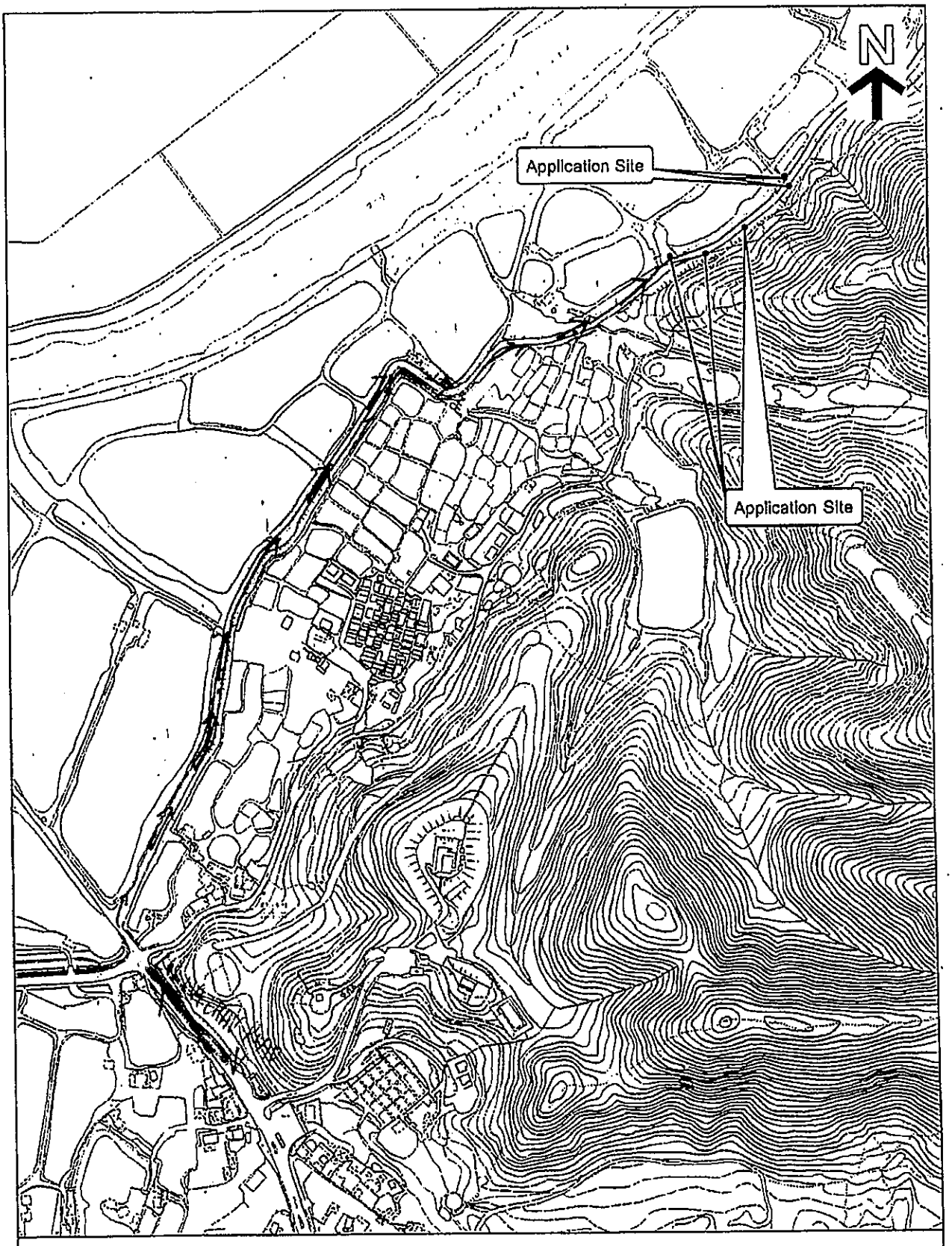
LEGEND :

- PROPOSED TRENCH FOR LAYING / RECOVERING CABLE
- PROPOSED TRENCH FOR LAYING DUCTS
- PROPOSED CABLE THROUGH EXISTING DUCTS
- EXISTING PILLAR
- PROPOSED PILLAR (W) x 0.6M x 0.75M / CUTOUT BOX
- EXCAVATION FOR JOINTING / REPAIRING / INSPECTING CABLE
- PROPOSED 3.0M(L) x 2.2M(W) x 3.65M(H) PACKAGE SUBSTATION
- EXISTING OVERHEAD LINE & POLE
- PROPOSED 33kV, L.V., OHL OF STEEL / WOODEN POLE
- OVERHEAD LINE & POLE TO BE REMOVED
- PROPOSED TREE TRIMMING / CUTTING
- EXISTING POLE MOUNTED TRANSFORMER
- PROPOSED POLE MOUNTED TRANSFORMER
- PROPOSED STAY / STAY POLE

CLP 中電

TITLE : OHL POLE & STAY ERECTION AT LOK MA CHAU VILLAGE .

SCALE 1:1000	DRAWN : C.M. TANG	MAP NO. : 02SE03B	
DATE : 30-11-2021	CHECKED : Y.F. YIK		
REGION : NR	O.C. : YL	E/O NO :	PROJECT REF. : NRYL2020-0710 / PLAN REF. : NRYL2020-0710-02H



Vehicular Road Access Plan

Appendix Ia of RNTPC
Paper No. A/YL-ST/618B
Remarks
Superseded by the revised GPRR in Encl. (b) at **Appendix Ib**

Kum Shing Engineering Co. Ltd.

17 August 2022

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

Attn.: CHAN Cheuk Lee, Cherry

Dear Sir/Madam,

Proposed Public Utility Installation (Pole and Pole Stay Erection) and associated Filling and Excavation of Land in "Conservation Area" and "Green Belt" Zones, Government Land in D.D.96, San Tin, Yuen Long

I refer to the committee meeting dated 15.6.2022.

The attachment are 4 hard copies of further representation, geotechnical planning review report for installation of proposed public utility installation and associated filling and excavation of land; for paper no. A/YL-ST/618.

Should you require further information on the above, please feel free to contact the undersigned Mr. Au Hin Wah at

Yours faithfully

(Cathy CHENG)

Assistant Engineer, Kum Shing Eng.

Appendix Ib of RNTPC
Paper No. A/YL-ST/618B

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

RECEIVED
2022 DEC 14 P 3:19
TOWN PLANNING BOARD

PlanD Planning Application No. A/YL-ST/618 Further Information

I'm writing to provide the FI the planning application No. A/YL/618 to address the following items:

i) Comments from H(GEO), CEDD dated on 21.9.2022 in the latest GPRR;
ii) Comments from EPD dated on 30.5.2022;
iii) Purpose for electricity supply;

Thank you for your kind assistance.

Yours Faithfully,

Ivan Au
14/Dec/2022

Encls:

a. Comments from EPD dated on 30.5.2022;
b. A full revised GPRR;
c. Purpose for electricity supply;
d.20221007 (FHK to PlanD) RtC B190011.05;
e.20221007 (FHK to PlanD) RtC B190011.051 (Fig and Appendices

Encl. (a)

(i) Departmental Comments (EPD) for s.16 Planning Application A/YL-ST/618

i. **The mitigation measures to be implemented during construction phase to handle non-point source and point source pollution, such as runoff and sewage from construction site workers, etc.**

1. Debris and rubbish generated on-site will be collected, handled and disposed of properly to avoid entering the nearby stormwater drains and open drainage channels. The refuse collection point will be properly constructed with covers and will be bunded and drained to the CLP sewerage system.
2. Open storm water drains and culverts near the works area will be covered to block the entrance of large debris and refuse.
3. Oil leakage or spillage will be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance. The Contractors will prepare guidelines and procedures for immediate clean-up actions following any spillages of oil, fuel or chemicals.

ii. **Please state the compliance with relevant regulations, best practices and guidelines, such as WPCO, ProPECC PN 1/94 "Construction Site Drainage", etc.;**

1. In order to minimize the impacts of wastewater/ runoff generated on site to the nearby WSRs, mitigation measures and good site practices will be adopted during the construction site and operation phases of the Project based on the ProPECC PN 1/94 and WPCO.

iii. **Please confirm if the works area would be reinstated and there would not be any discharge during operation phase.**

1. We are ensure the works area would be reinstated and there would bot be any discharge during operation phase.

Encl. (b)
(revised GPRR - full Report)

Geotechnical Planning Review Report for Installation of Proposed Public Utility Installation and Associated Filling and Excavation of Land (OHL Pole & Stay Erection)

Geotechnical Planning Review | Government Land in D.D. 96, San Tin, Yuen Long

B190011.051.01 | 8 August 2022
BD Ref.: N/A
CLP Power Hong Kong Limited

Executive Summary

This geotechnical planning review report is prepared on behalf of the Applicant, CLP Power Hong Kong Limited, to seek approval from the Town Planning Board under Section 16 of the Town Planning Ordinance for installation of 5 electricity poles with 10 pole stays for low voltage overhead line cable.

The proposed public utilities installation includes erection of 5 electricity poles and 10 pole stays for low voltage overhead line cable. To facilitate the foundation construction for OHL pole and pole stays, pit excavation of 1.8m deep is required.

After completion of the foundation, the OHL poles and pole stay are to be erected, pits will be backfilled and the ground will be reinstated to its original situation.

Based on available geotechnical information, the effect of proposed utility installation works including pit excavation and the erection of OHL poles, that may affect or be affected by natural terrain or man-made slopes, is addressed in this report. In view of failure of the man-made slopes would affect the OHL poles at the slope toe, stability analysis is proposed to be carried out. The proposed development would not comprise any critical facilities (i.e. facilities under Group 1-3 in Table 2.2 of GEO Report No. 138), hence a Natural Terrain Hazard Study is **not** necessary.

The geotechnical assessment concludes that the proposed utility installation works including pit excavation and the erection of OHL poles are geotechnically feasible.

Contents

Tables

Figures

Appendices

1. Introduction

1.1 Background

Fugro (Hong Kong) Limited was appointed by CLP Power Hong Kong Limited as the Engineering Consultant for the preparation of a Geotechnical Planning Review Report for proposed public utilities installation of 5 electricity poles and 10 pole stays for low voltage overhead line cable as shown in Figure 1 – Site Location Plan and Figure 2 – Site Plan.

The proposed public utilities installation includes erection of 5 electricity poles and 10 pole stays for low voltage overhead line cable. To facilitate the foundation construction for OHL pole and pole stays, pit excavation of 1.8m deep is required.

After completion of the foundation, the OHL poles and pole stays are to be erected, pits will be backfilled and the ground will be reinstated to its original situation.

Based on available geotechnical information, the proposed utility installation works including pit excavation and the erection of OHL poles that may affect or be affected by natural terrain or man-made slopes is addressed in this report and geotechnical feasibility of proposed utility installation works is also recommended.

1.2 Description of the Works

There are 5 groups of pole and pole stay (one group consists of one pole and two pole stay) in the application, which are illustrated on the photo in Appendix D.

The height of the proposed pole and pole stay (including the above ground portion) with illustration on drawings (Drg. No. 01 – A and 01 G A) and photos in.

The proposed works with supporting drawings and photo illustrations (in Appendix D) as follows:

- According to the applicant, the proposed installation is for providing electricity to support the agricultural use at Lot 1808 in D.D. 96 (Plan A-2). The proposal involves erection of five poles of dimension 2m (L) x 2m (W) x 10m (H)) and ten pole stays of dimension 1.5m (L) x 1.5m (W) x 5m (H) for low voltage overhead line (OHL) cable with associated excavation of about 42.5 m2 (1.5m to 2m in length and width) and about 1.8m in depth. Each group of the installation set involves one pole stand which will be supported by two pole stays (Drg. No. 01 – A and 01 G A) and photo in Appendix D. Upon erection of the OHL poles and pole stays, the pits will be backfilled and the ground will be reinstated to its original situation. All the pole stay wire are located at the outer side of the road such that no pedestrian or traffic will be obstructed after completion of the installation. The location plan is shown in Figures 1 and 2 and the sections are shown

in Appendix A and the vehicular access plan is Figures 1 and 2. The installation works will be carried out only from 8 am to 5 pm.

The location and disposition of the Site for erection of the OHL will minimise the filling and excavation of land and slope maintenance required for the proposed works and avoid encroachment onto private land. The proposed works will not cause adverse impacts on geotechnical safety, traffic, landscape, environment, sewerage, drainage and water supply. The applicant shall minimise the disturbance to the nearby vegetation during the land excavation/filling works.

The existing local road will not be obstructed. All vehicles are allowed to use the existing roads during construction period.

1.3 The Report

This Geotechnical Planning Review Report is prepared in support of a Section 16 planning application (Application No. A/YL-ST/618).

1.4 Client

CLP Power Hong Kong Limited

1.5 Geotechnical Engineer

Fugro (Hong Kong) Limited

2. Description of Site Conditions

2.1 Site Topography

The site is situated northeast of San Tin in the North West New Territories. The site is along a road with low vehicular traffic density. Beyond the road to the northwest are numerous estuaric ponds and then Shenzhen River.

The natural hillside (see Figure 1) above the proposed site is located at the southeast, which is elevated from the man-made slopes 2SE-B/C296 and 2SE-B/C305 (+11mPD) along the site towards the southeast direction (+49mPD max).

For the proposed public utility installation, 5 OHL poles with approximate height of 10m will be installed in the specified areas along a local road. General views along with the photo plan of the application site are shown in the Plates below. The road gradients is quite gentle and all poles are located at +6.0 mPD to +8.0 mPD approximately.

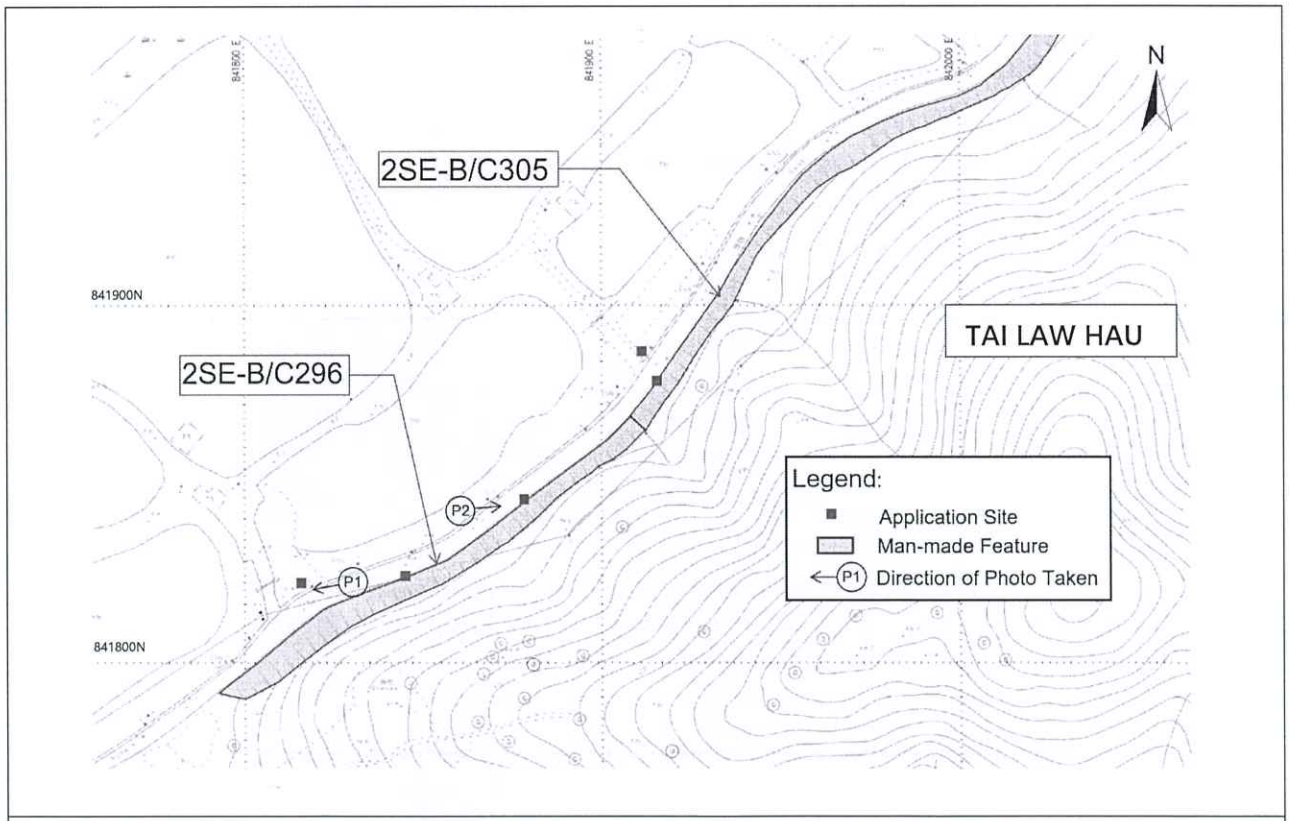
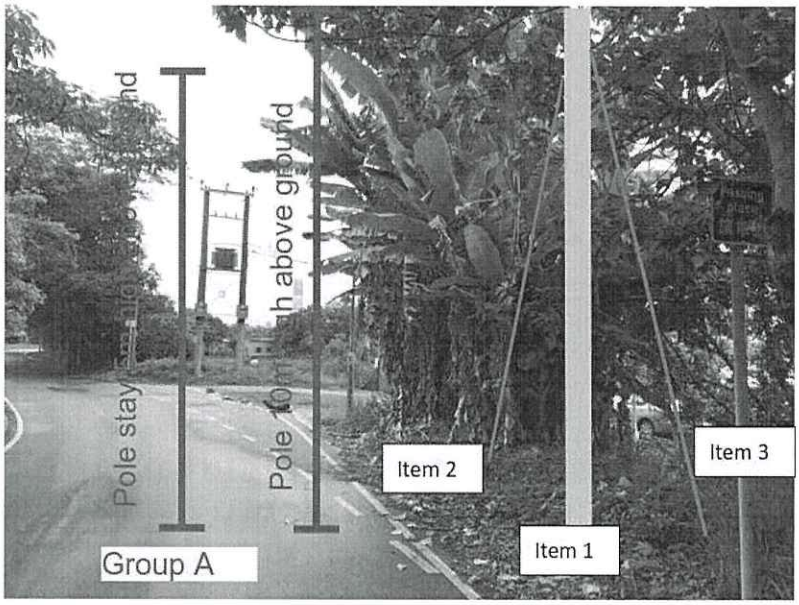
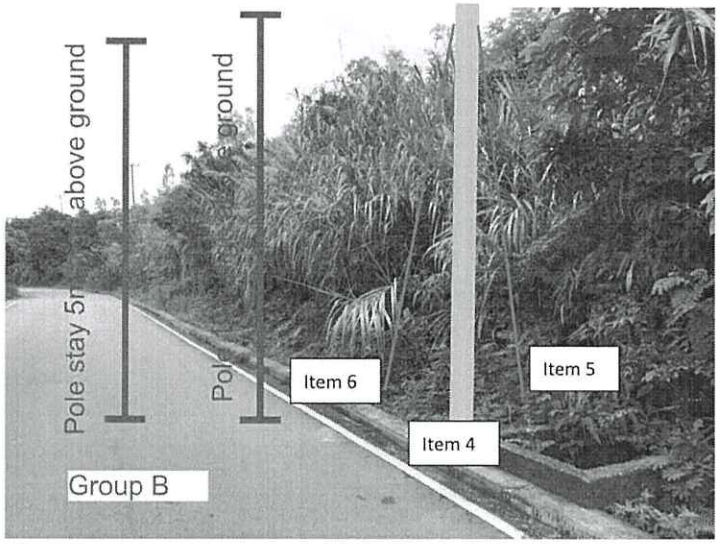


Photo Plan of the General Views of the Application sites (N.T.S.)



Location refers to figure 2

P1: General View 1 of the Site with Approximate Location of a Pole & Pole Stays (looking Southwest)



Location refers to figure 2

P2: General View 2 of the Site with Approximate Location of a Pole & Pole Stays (looking Northeast)

2.2 The Proposed Development

The proposed public utilities installation includes erection of 5 electricity poles and 10 pole stays for low voltage overhead line cable. To facilitate the foundation construction for OHL pole and pole stays, pit excavation of 1.8m deep is required.

After completion of the foundation, the OHL poles and pole stay are to be erected, pits will be backfilled and the ground will be reinstated to its original situation.

3. Desk Study

3.1 Topography

The 1:1000 topographical survey maps of the Site and the area of the adjacent natural terrains obtained from the Lands Department are used as the base map for this geotechnical assessment. With reference to the topographical survey maps, sections showing man-made slopes and hillsides of natural terrain are prepared and presented in Appendix A.

3.2 Geology

Sheet 2 of the Hong Kong Geology Survey 1:20,000 scale map series HGM20 (Geological Map is shown in Figure 3) indicates that the site is underlain by superficial deposit, which is Qd – unsorted sand, gravel, cobbles and boulders; Clay/Silt matrix (Debris Flow Deposits). Underlying the superficial deposits are different compositions of rocks including metasiltstone with metasandstone, granite and quartzite.

3.3 Hydrology

The site is surrounded with ponds, which affect the groundwater levels under the existing flatland.

Based on the available groundwater monitoring records (summarized in Appendix C), groundwater levels are at 0.25 m to 1.5 m below the existing ground, which match with the water levels of adjacent rivers and ponds.

3.4 Man-made Slopes

There are 2 registered man-made slopes within the site area affecting / being affected by the proposed installation works. Features locations are shown in Appendix A. These slope characteristics are summarised in Table 1 and their locations are indicated on the plan in Appendix B. Details of the man-made slopes downloaded from the Slope Information

System along with SMRIS information are presented in same Appendix. Both man-made slopes are cut slopes with 6m in height at 45° slope angle. Both cut slopes are located at the southwest of the site. The general views of the slopes are also shown in Appendix B.

Table 1_ Summary of Registered Man-made Slopes

Feature No.	Slope height (m)	Slope Angle (degree)	Upgrading works	Site formation works	Drawings / record plans	Related GI borehole	Responsible Party
2SE-B/C296	6	45	-	post-1977	-	NIL	Lands Department
2SE-B/C305	6	45	-	post-1977	-	SBF/DH10	Lands Department

3.5 Available Ground Investigation

Lok Ma Chau area was previously used for fishery activities, with water channels, oyster beds and fish ponds. Based on the available ground investigation information and as summarized in Table 2, the superficial deposits mainly comprise fill (1 to 2m thick), pond deposits / alluvium (1 to 7m thick). The in-situ soil / rock of meta-siltstone / granite/ quartzite is encountered at 1m to 9m below the existing ground level. Geotechnical Sections are shown in Appendix A.

A plan showing the locations of previous ground investigation works carried out in the vicinity of the site area is presented in Appendix C. The relevant GI records are enclosed in same Appendix and summarized in Table 2.

Table 2_Summary of Previous Ground Investigations

Borehole	Ground Level (mPD)	Total Depth (m)	Thickness (m)					H.G.W.L	L.G.W.L	Related Slope/ Section
			Fill	Pond Deposit	Alluvium	Grade V/IV	Grade III or above	meter below ground level		
LMCT-BH1	3.95	10	2	1.1	2.5	4.4	-	1.11	1.27	-
LMCT-BH2	3.98	49.05	1.5	2	3.1	28.37	14.08	0.25	0.48	-
SBF/DH10	6.74	3.03	0.8	-	-	-	2.23	-	-	Section 4-4
SBF/DH11	4.86	14.15	2	-	7	5.15	-	-	-	Section 6-6
SBF/TP40	6.44	2	1.65	-	-	0.35	-	-	-	-
BH-5	53.19	45.10	-	-	-	22.40	22.70	-	-	-

4. Geotechnical Assessment

4.1 Man-made Slopes

There are 2 registered man-made slopes in the vicinity affecting / being affected by the proposed utility installation. Features locations are shown in Appendix A. It can be inferred that 2 registered slopes, which maintenance responsible party is Lands Department, are the cut slopes formed during the previous road construction works. Slope information shown in Appendix B and slope characteristic is summarized in Table 1.

The proposed poles will be installed along the existing road at the toe of the cut slopes by pit excavation method. After pit excavation and installation of poles and pole stays, the excavation will be reinstated to its original situation, Hence, the construction effect of the proposed utility installation on the cut slopes is insignificant.

These 2 registered man-made slopes are cut slopes with 6m in height at 45° slope angle. In view of failure of the man-made slopes would affect the OHL ploes at the slope toe, stability analysis is proposed to be carried out.

4.2 Natural Terrain Hazard

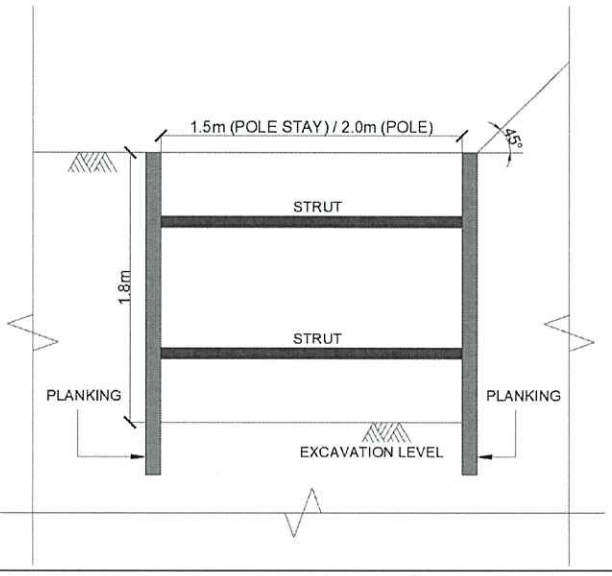
A natural hillside (shown in Appendix A) near proposed poles location is located to the southeast. The hillside is elevated from the man-made slopes 2SE-B/C296 and 2SE-B/C305 (+11mPD) along the site towards the southeast direction (+49mPD max). Sections 1, 2 & 3 (in the same Appendix) shows that the proposed pole locations are within the angular elevation of 20° and thus the locations of proposed poles likely meet alert criteria of natural terrain hazard. However, the proposed development would not comprise any critical facilities (i.e. facilities under Group 1-3 in Table 2.2 of GEO Report No. 138) (refer to the table below), a Natural Terrain Hazard Study is not necessary. Table 2.2 of GEO Report No. 138 is attached in Appendix A.

Group No.	Table 2.2 GEO Report No. 138	The proposed development	Conclusion
1(a) 2(a)	Buildings	The proposed development comprise the erection of poles	The proposed development does not compirse the critical facilities in Group No. 1(a) and 2(a).
1(b) 2(b) 3	Road with heavy / moderate traffic density	Along the toe of the proposed poles is "road with low traffic density"	The proposed development does not compirse the critical facilities in Group No. 1(b), 2(b) and 3.

Based on the ENTLI Inventory Plan and Boulder Inventory Plan (shown in Appendix A) extracted from GIU of GEO, there are no records of landslides and boulders within the natural terrain area above the proposed pole locations.

4.3 Excavation Works

The foundation of the proposed OHL poles and pole stays will be constructed by pit excavation method. The pit will be 1.5m to 2m wide and 1.8m deep approximately. It is proposed that the pit will be supported by planking and struts as shown in the figure below.



Proposed Typical Scheme for Excavation and Lateral Support Works for Construction of Foundation for OHL Pole

In the design of excavation and lateral support works, attention should be paid to the excavation and strutting sequence and to the standard workmanship in order to limit loss of ground due to the inward movement of the temporary planking. Earth load, water load and surcharge should be taken into consideration. It was recorded that the water level of the site is approximately 1.2m below the existing ground, sufficient water pumps shall be provided to ensure that the pits are not submerged during the construction of foundation.

Since the pit excavation works involves excavation of depth 1.8m only, excavation effects on the adjacent slopes and change of ground profile should be minimal.

After excavation and installation of poles, the pits will be backfilled and the ground will be reinstated to its original situation. Hence, the construction effect of proposed pit excavation on adjacent ground / slopes is insignificant.

5. Recommendation

1. The proposed utility installation works including pit excavation and the erection of 5 electricity poles and 10 pole stays is geotechnically feasible.

2. In the design of excavation and lateral support works for the pits, attention should be paid to the excavation and strutting sequence and earth load, water load and surcharge should be taken into consideration. During excavation works, sufficient water pump shall be provided to ensure that the pits are not submerged.

3. Proposed pit excavation works for erecting the poles will involve installation of planking with temporary strutting systems during the construction stage. Since the pit excavation works involves excavation of depth 1.8m only, excavation effects on the adjacent ground / slopes and change of ground profile should be minimal.

4. The proposed OHL poles and stay poles will be installed at the toe of the existing slopes. After pit excavation and installation of poles, the pits will be reinstated to its original situation. Hence, the construction effect of proposed utilities installation at the toe of slopes on the adjacent slope is insignificant.

5. Two registered man-made slopes are cut slopes with 6m in height at 45° slope angle. In view of failure of the man-made slopes would affect the OHL ploes at the slope toe, stability analysis is proposed to be carried out.

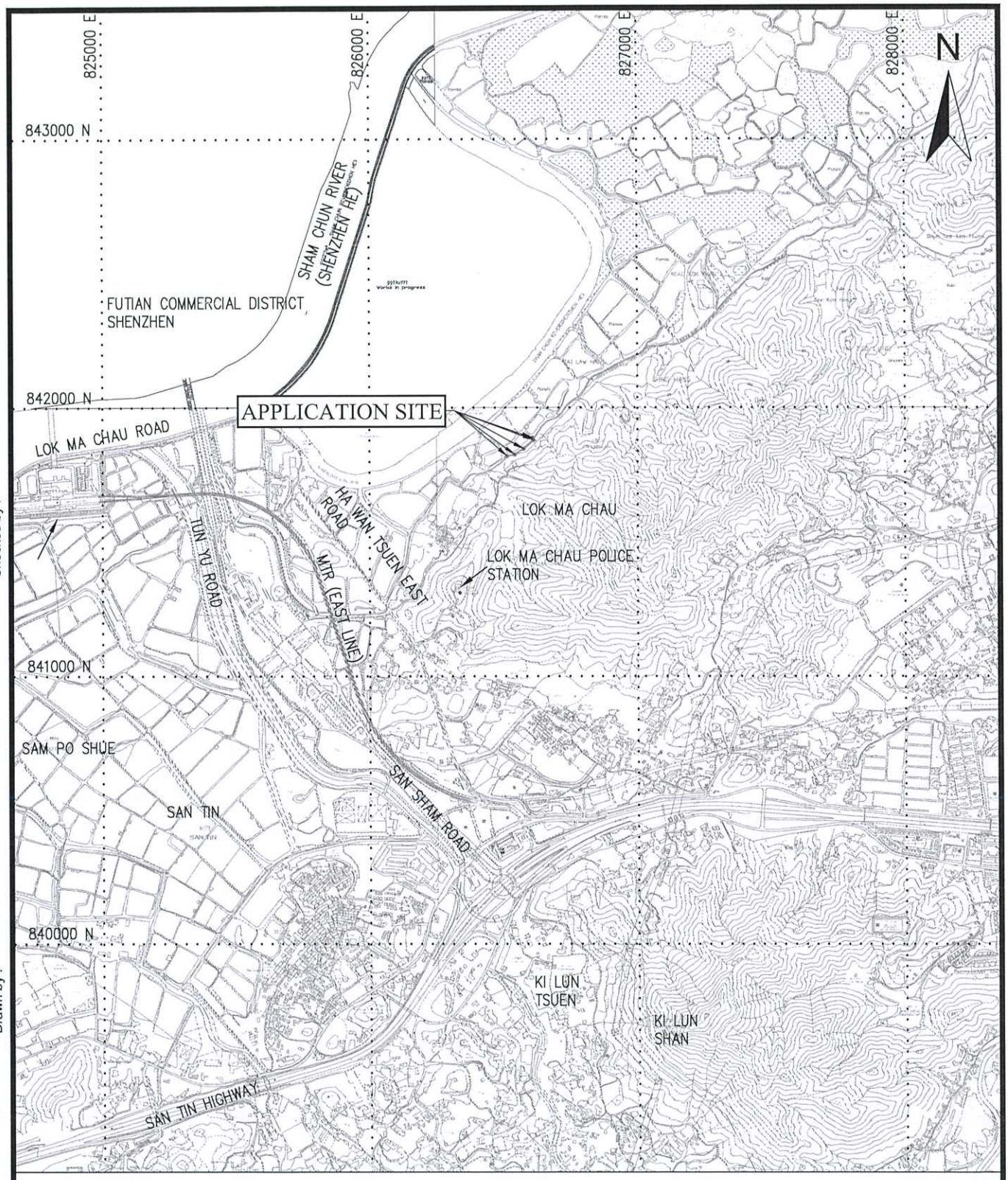
6. There are no records of landslides and boulders within the natural terrain area above the proposed pole locations. The proposed development would not comprise any critical facilities (i.e. facilities under Group 1-3 in Table 2.2 of GEO Report No. 138), a Natural Terrain Hazard Study is **not** necessary.

7. The location and disposition of the Site for erection of the OHL will minimise the filling and excavation of land and slope maintenance required for the proposed works and avoid encroachment onto private land. The proposed works will not cause adverse impacts on geotechnical safety, traffic, landscape, environment, sewerage, drainage and water supply. The applicant shall minimise the disturbance to the nearby vegetation during the land excavation/filling works.

8. The existing local road will not be obstructed. All vehicles are allowed to use the existing roads during construction period.

6. References

1. GEO (2007), GEO Advice Note for Planning Applications under Town Planning Ordinance (Cap.131), Geotechnical Engineering Office, Hong Kong.
2. Geotechnical Control Office (1989). "Solid and Superficial Geology. Hong Kong Geological Survey HGM20, Edition 1, Sheet No. 2, 1:20,000 scale". Government Press, Hong Kong.
3. Manusell Fugro Scott Wilson (2005). "Enhanced Natural Terrain Landslide Inventory". Geotechnical Engineering Office, Hong Kong.
4. Geotechnical Control Office (1988). "GEO Report No. 138 Guidelines for Natural Terrain Hazard Studies". Geotechnical Engineering Office, Hong Kong.
5. The Buildings Department. "Practice Note for Authorized Person and Registered Structural Engineer, PNAP APP 24".



LEGEND:

- CLP LOW VOLTAGE POLES (SUBJECT OF THIS APPLICATION)
- CLP LOW VOLTAGE OVERHEAD LINE CABLE

Checked by :

Drawn by :

Compiled by :

FUGRO

Project

GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title

LOCATION PLAN

Job No.	Figure No.	Scale	Date
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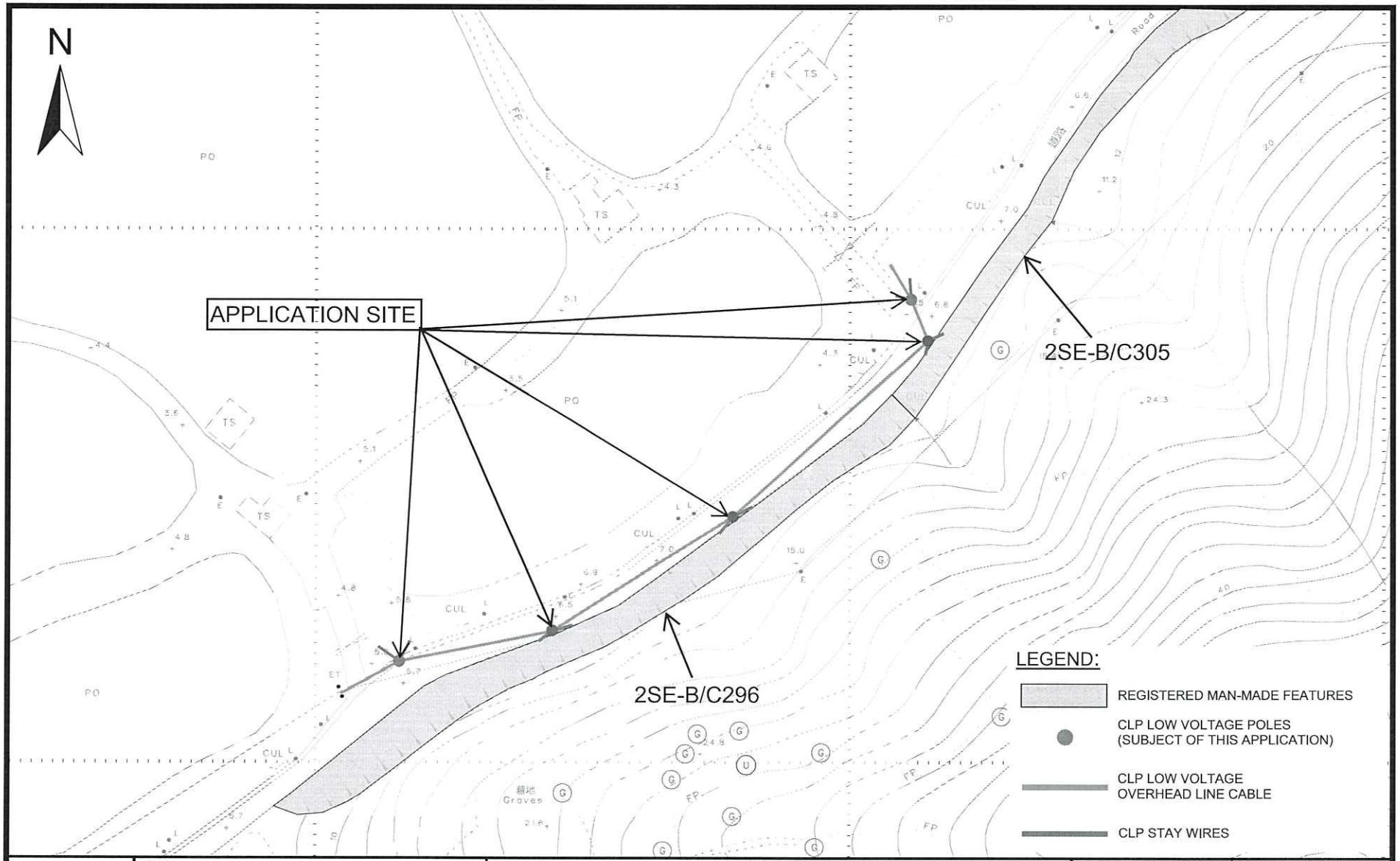

FUGRO	Project GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG	Drawing Title SITE PLAN	Job No. 190011.051 Scale 1 : 1000	Figure No. 2 Date JUL-2022

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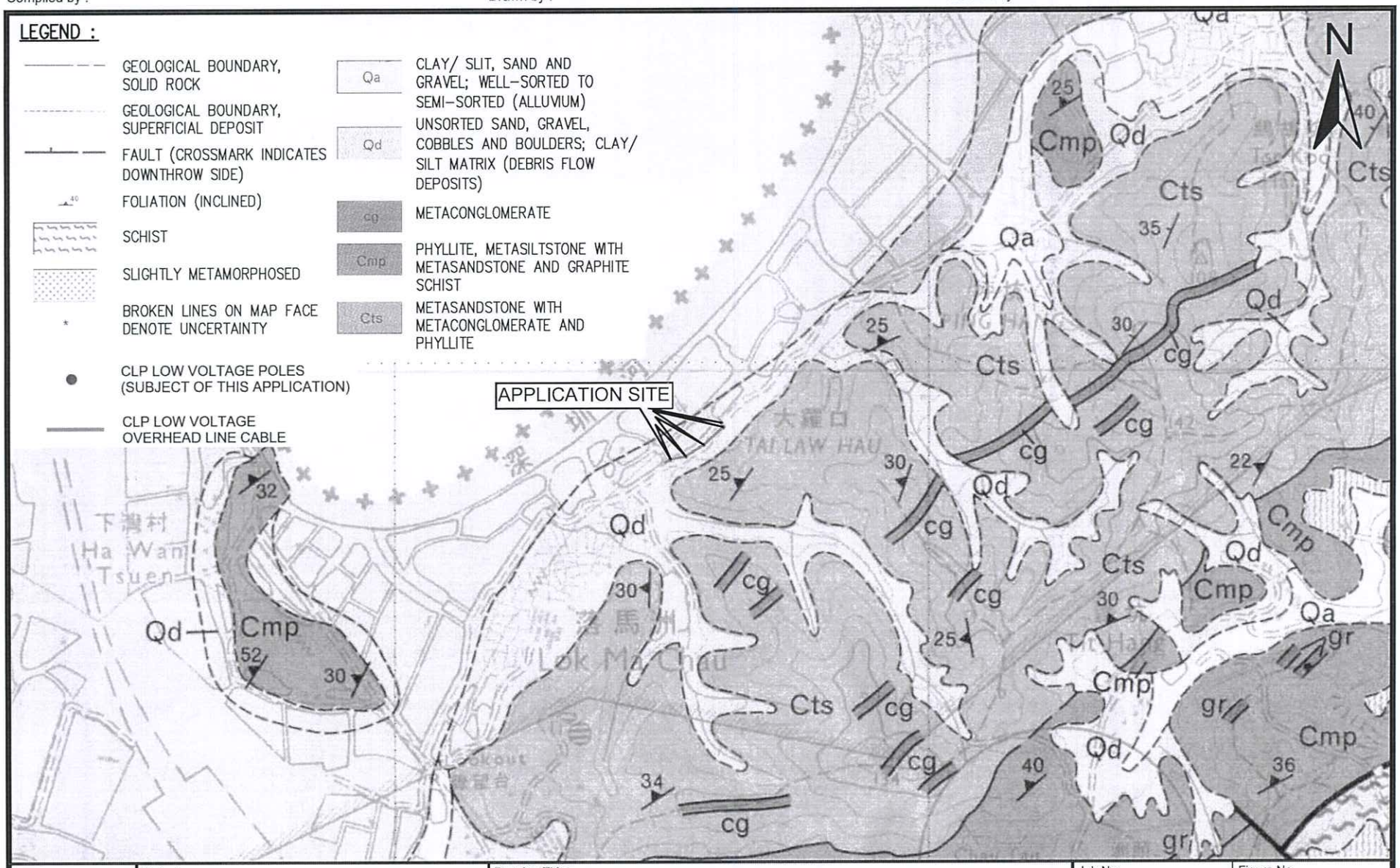
Drawn by :

Checked by :



FUGRO	Project: GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG	Drawing Title: REGIONAL GEOLOGICAL MAP H.K. Geological Survey, Series HGM20, Sheet 02, 1988 Edition	Job No.: 190011.051 Scale: 1 : 10000	Figure No.: 3 Date: JUL-2022

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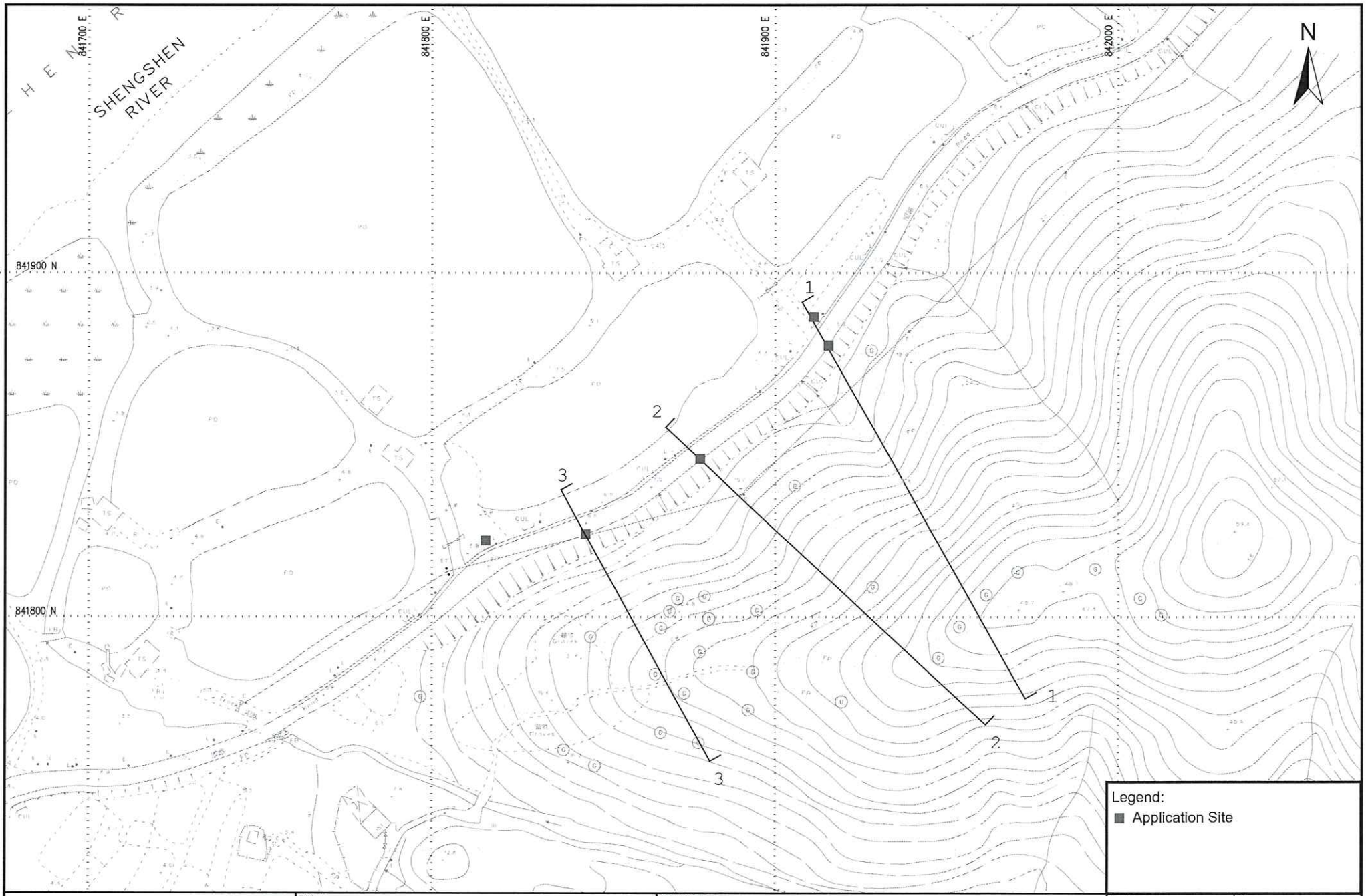
Appendix A

Assessment of Natural Terrain Hazard

Table 2.2 Grouping of Facilities (adapted from Wong, 1998)

Group No.	Facilities
1	(a) Buildings - any residential building, commercial office, store and shop, hotel, factory, school, power station, ambulance depot, market, hospital/polyclinic/ clinic, welfare centre
	(b) Others - bus shelter, railway platform and other sheltered public waiting area - cottage, licensed and squatter area - dangerous goods storage site (e.g. petrol station) - road with very heavy vehicular or pedestrian traffic density
2	(a) Buildings - built-up area (e.g. indoor car park, building within barracks, abattoir, incinerator, indoor games' sport hall, sewage treatment plant, refuse transfer station, church, temple, monastery, civic centre, manned substation)
	(b) Others - road with heavy vehicular or pedestrian traffic density - major infrastructure facility (e.g. railway, tramway, flyover, subway, tunnel portal, service reservoir)
3	- densely-used open space and public waiting area (e.g. densely-used playground, open car park, densely-used sitting out area, horticultural garden) - quarry - road with moderate vehicular or pedestrian traffic density



Checked by :

Drawn by :

Compiled by :

FUGRO (HONG KONG) LIMITED
10/F, Fugro House - KCC2,
1 Kwai On Road, Kwai Chung,
New Territories, Hong Kong. Tel : 2577 9023

Project
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title
Natural Terrain Plan

Job No.	Figure
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Scale	Date
1:1000	JUL-2022

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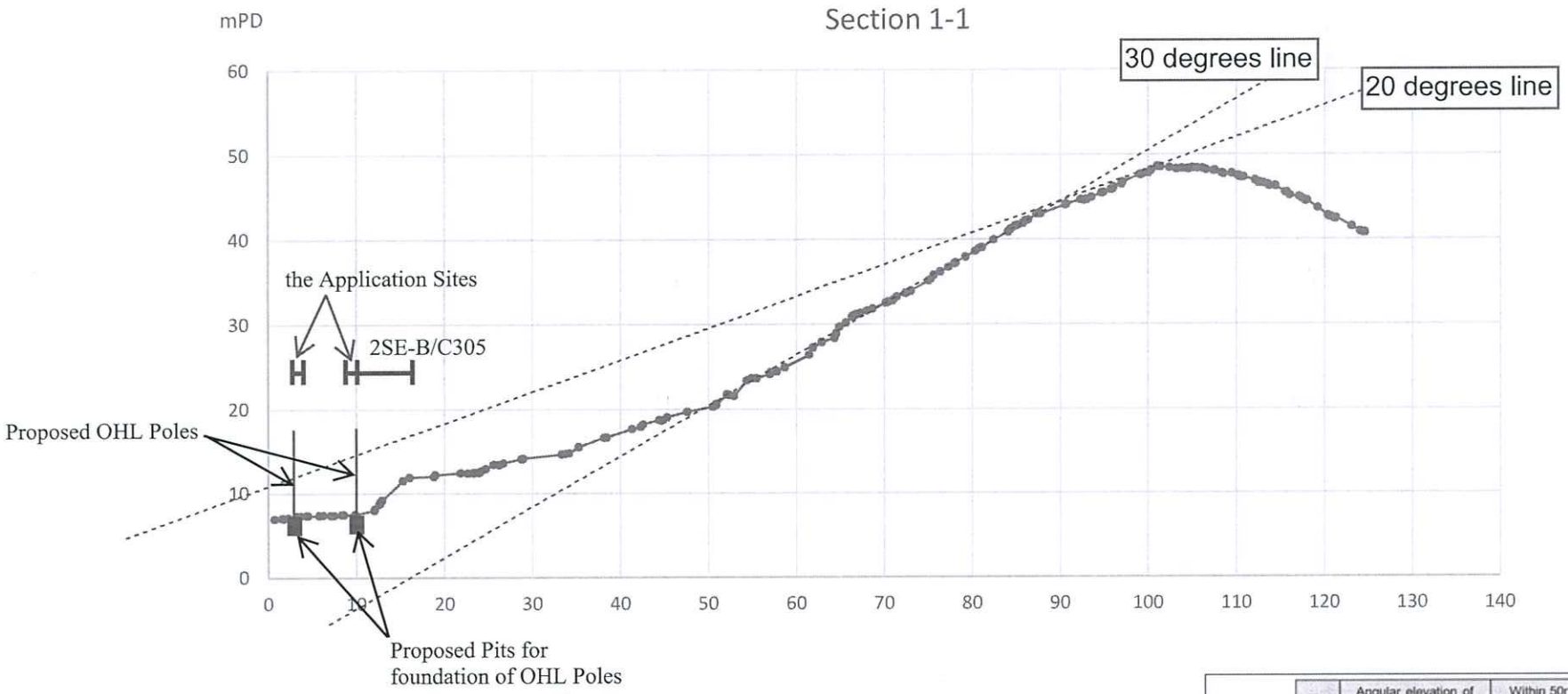
Comparing Figure 2.5 and Section 1, the site for proposed OHL Pole meets alert criteria of natural terrain hazard.



Site	Angular elevation of natural terrain ≥20°	Within 50m of ground sloping at >15°	Alert Criteria met?
A	Yes	Yes	Yes
B	Yes	No	No

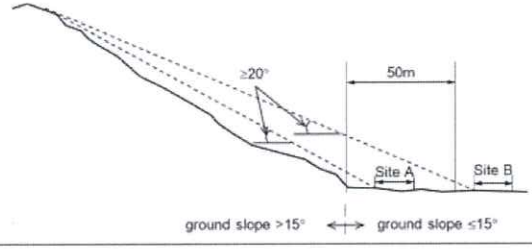
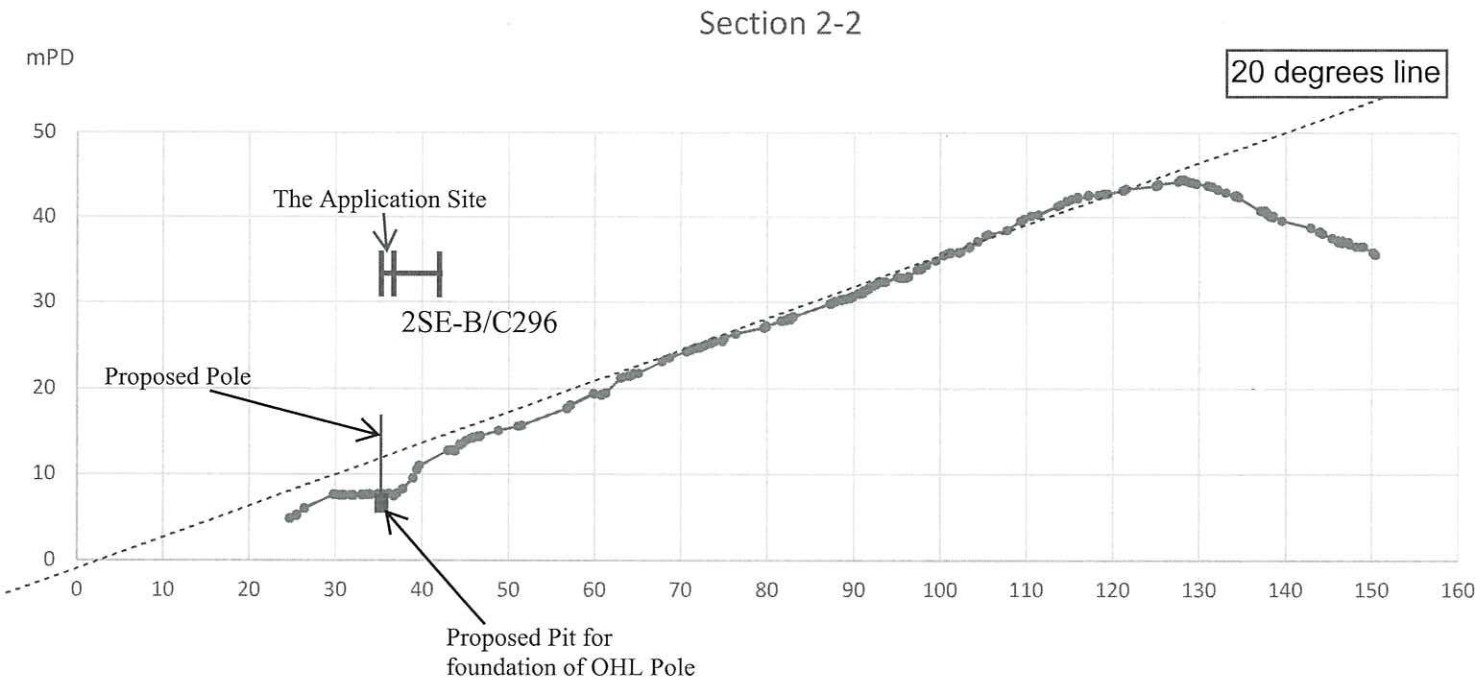


Figure 2.5 Application of Alert Criteria

Comparing Figure 2.5 and Section 2, the site for proposed OHL Pole meets alert criteria of natural terrain hazard.



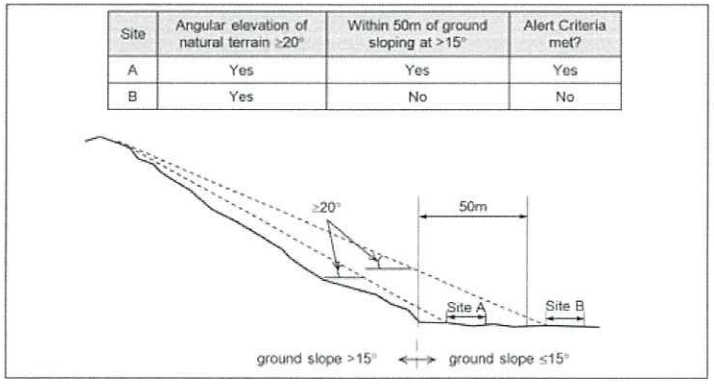
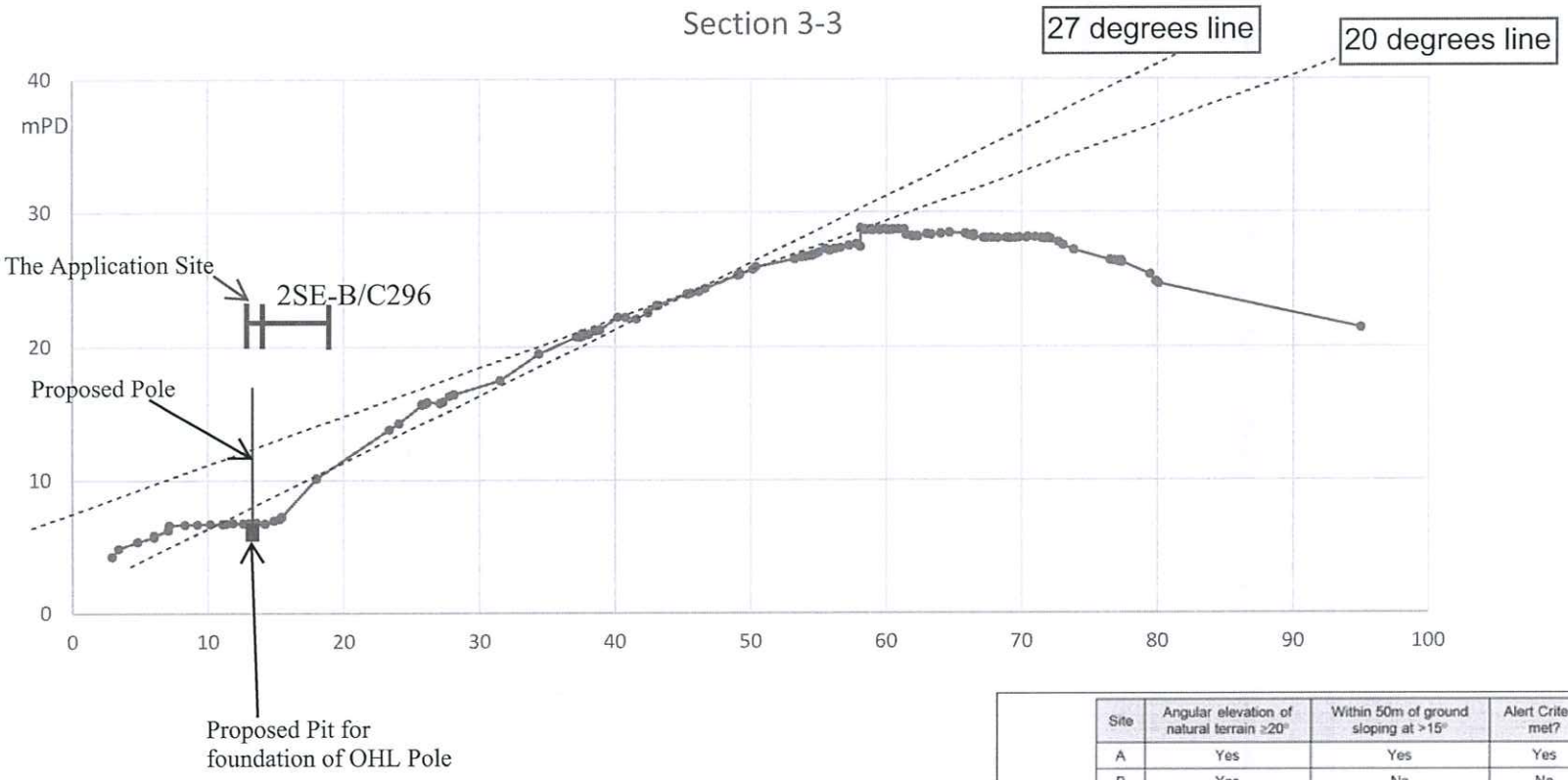


Figure 2.5 Application of Alert Criteria

Comparing Figure 2.5 and Section 3, the site for proposed OHL Pole meets alert criteria of natural terrain hazard.



Site	Angular elevation of natural terrain ≥20°	Within 50m of ground sloping at >15°	Alert Criteria met?
A	Yes	Yes	Yes
B	Yes	No	No

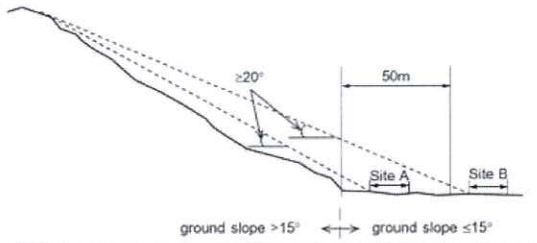
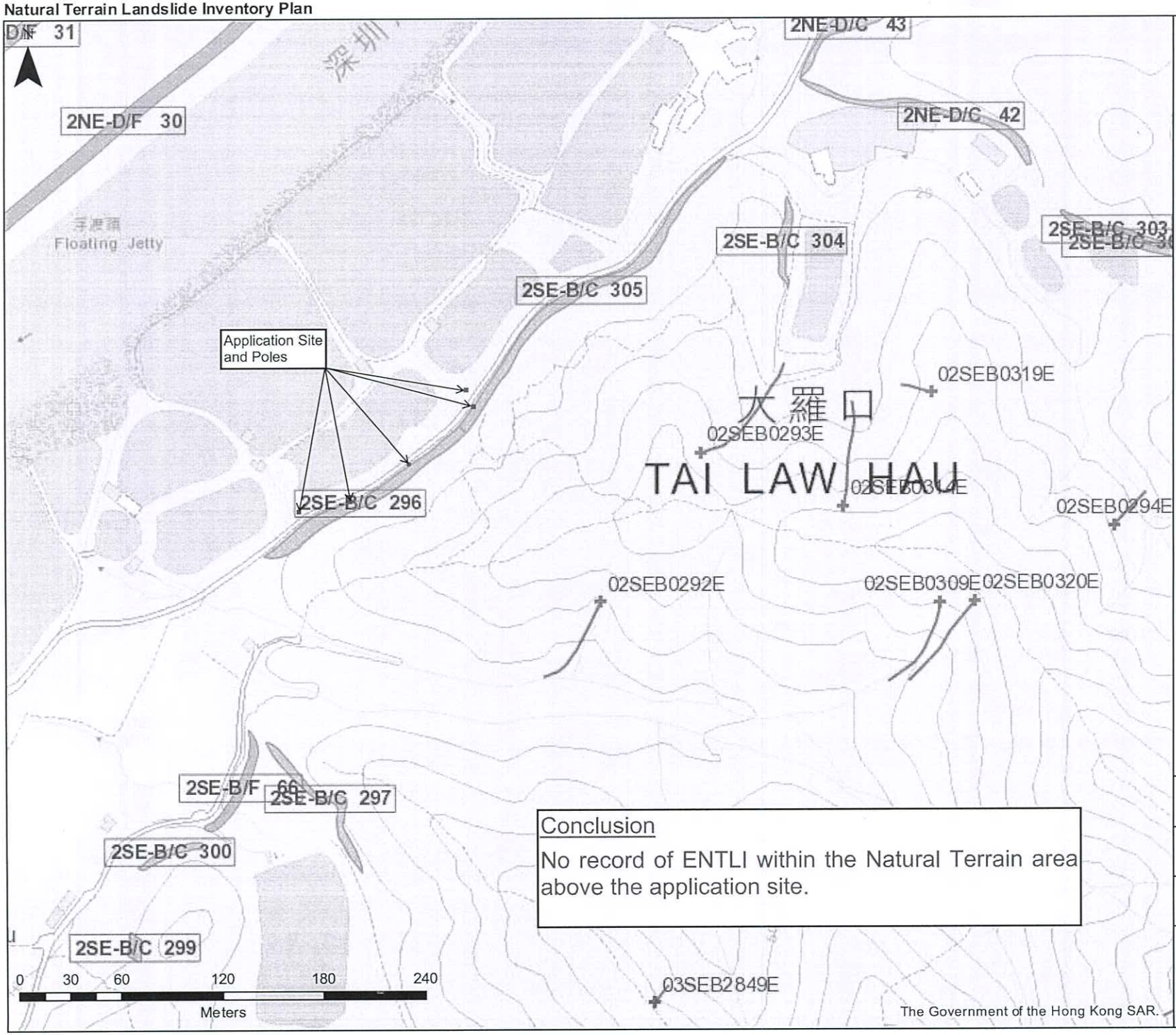


Figure 2.5 Application of Alert Criteria

Appendix A(Cont'd)

Inventory Plan

Natural Terrain Landslide Inventory Plan



ENTLI Crown (2019)

- Recent
- Relict

ENTLI Trail (2019)

- Recent
- Relict

Man-made Features

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

Legend:

- Application Site

Conclusion

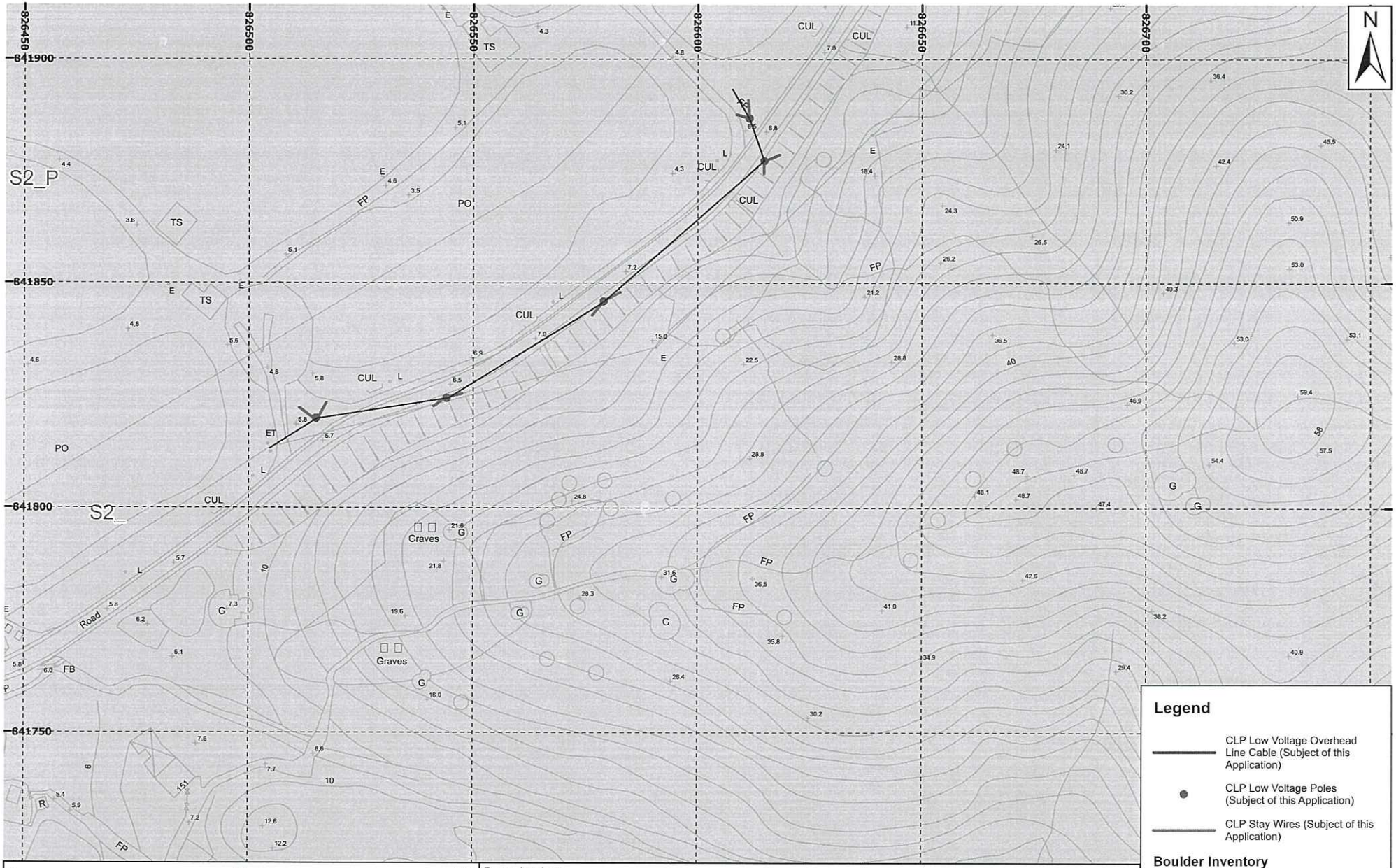
No record of ENTLI within the Natural Terrain area above the application site.

Division	
Scale	1:3,000
Date	22/07/2022

GEOTECHNICAL ENGINEERING OFFICE
CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

(Printed by KYYip)

Map Sheet : 2SE-3A, 2SE-3B, 2SE-4A, 2NE-23C, 2NE-23D, 2NE-24C



Conclusion

No record of boulder within the natural terrain area about the application site.

FUGRO (HONG KONG) LTD
10/F, Fugro House - KCC2,
1 Kwai On Road, Kwai Chung,
New Territories, Hong Kong.

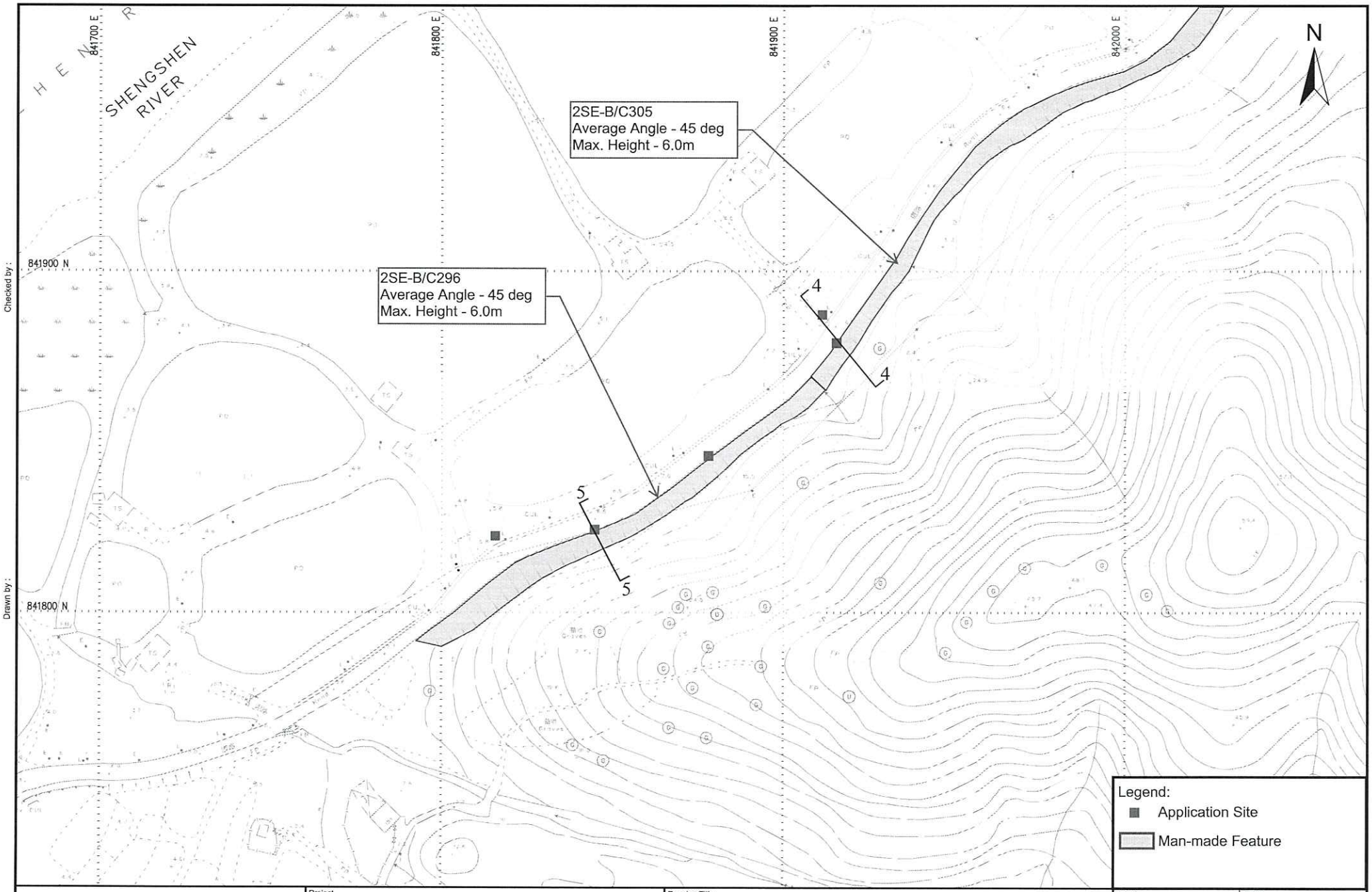
Project
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATION OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG

Drawing Title
BOULDER INVENTORY

Job No.	Figure
190011.051	
Scale: 1:800	Date: JUL-2022

Appendix A(Cont'd)

Features and Sections



Checked by :

Drawn by :

Compiled by :

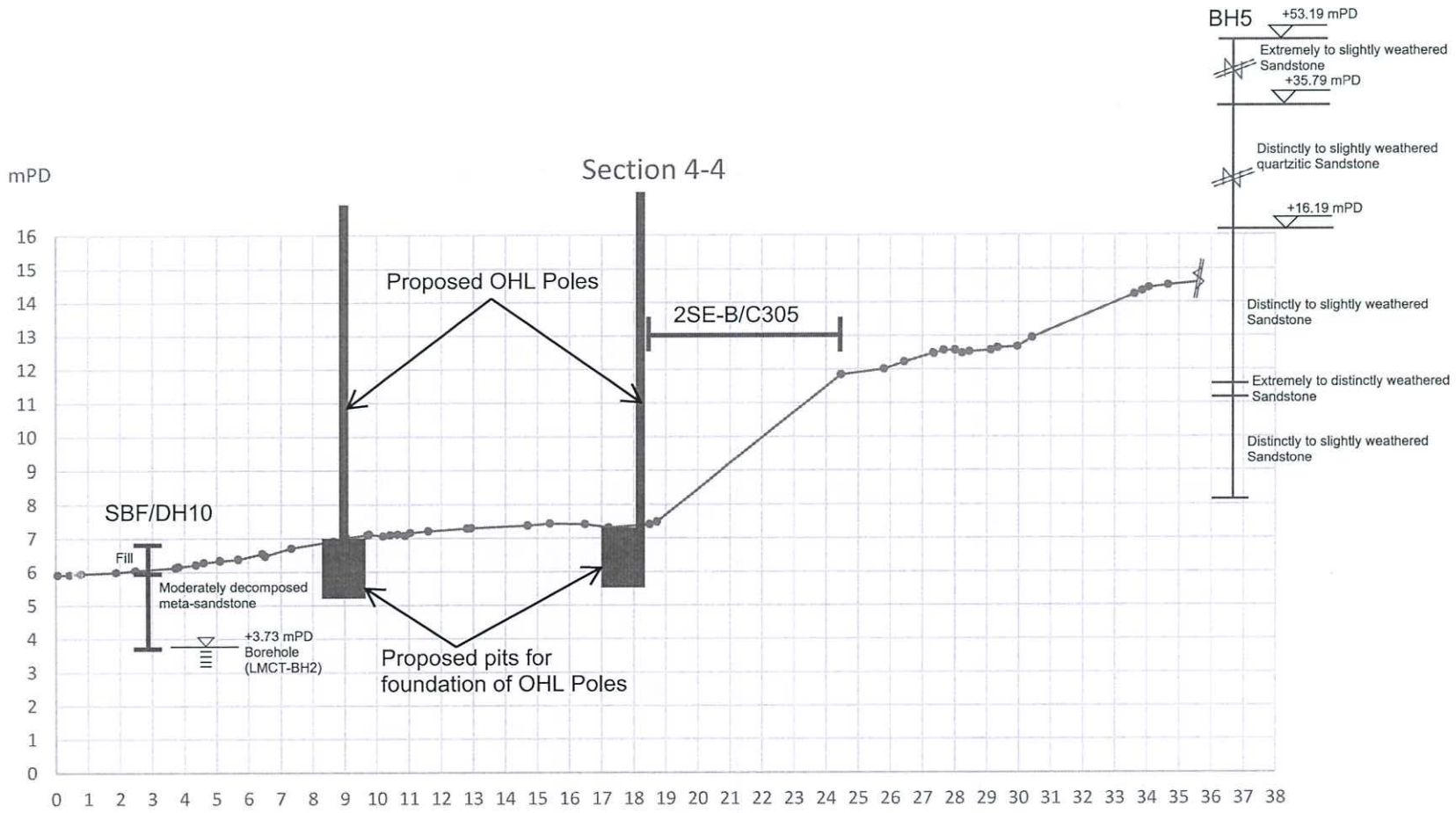
FUGRO (HONG KONG) LIMITED
10/F, Fugro House - KCC2,
1 Kwai On Road, Kwai Chung,
New Territories, Hong Kong. Tel : 2577 9023

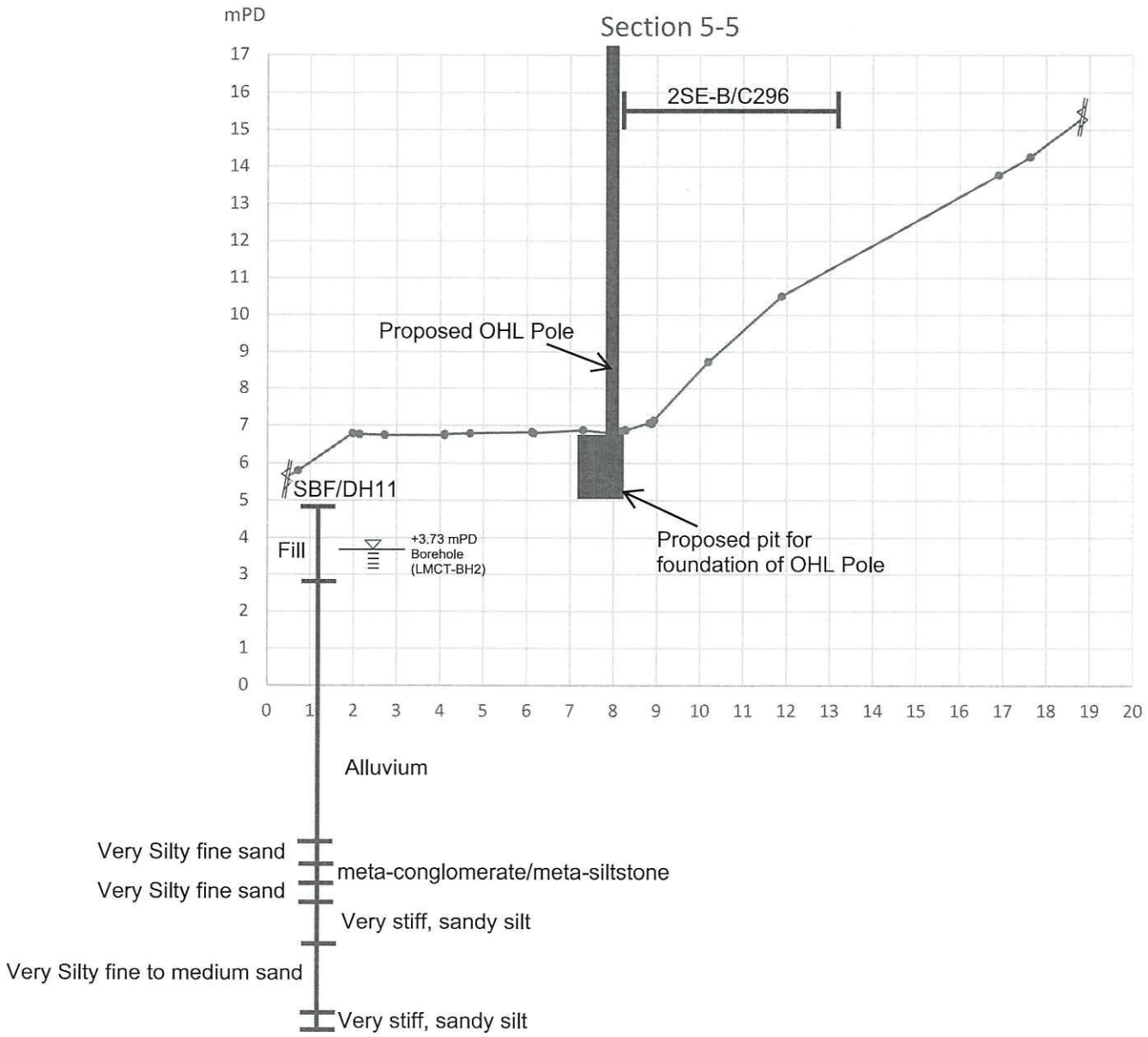
Project
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title
Feature Layout Plan

Job No.	Figure
B190011.051	-/-
Scale	Date
1:1000	JUL-2022

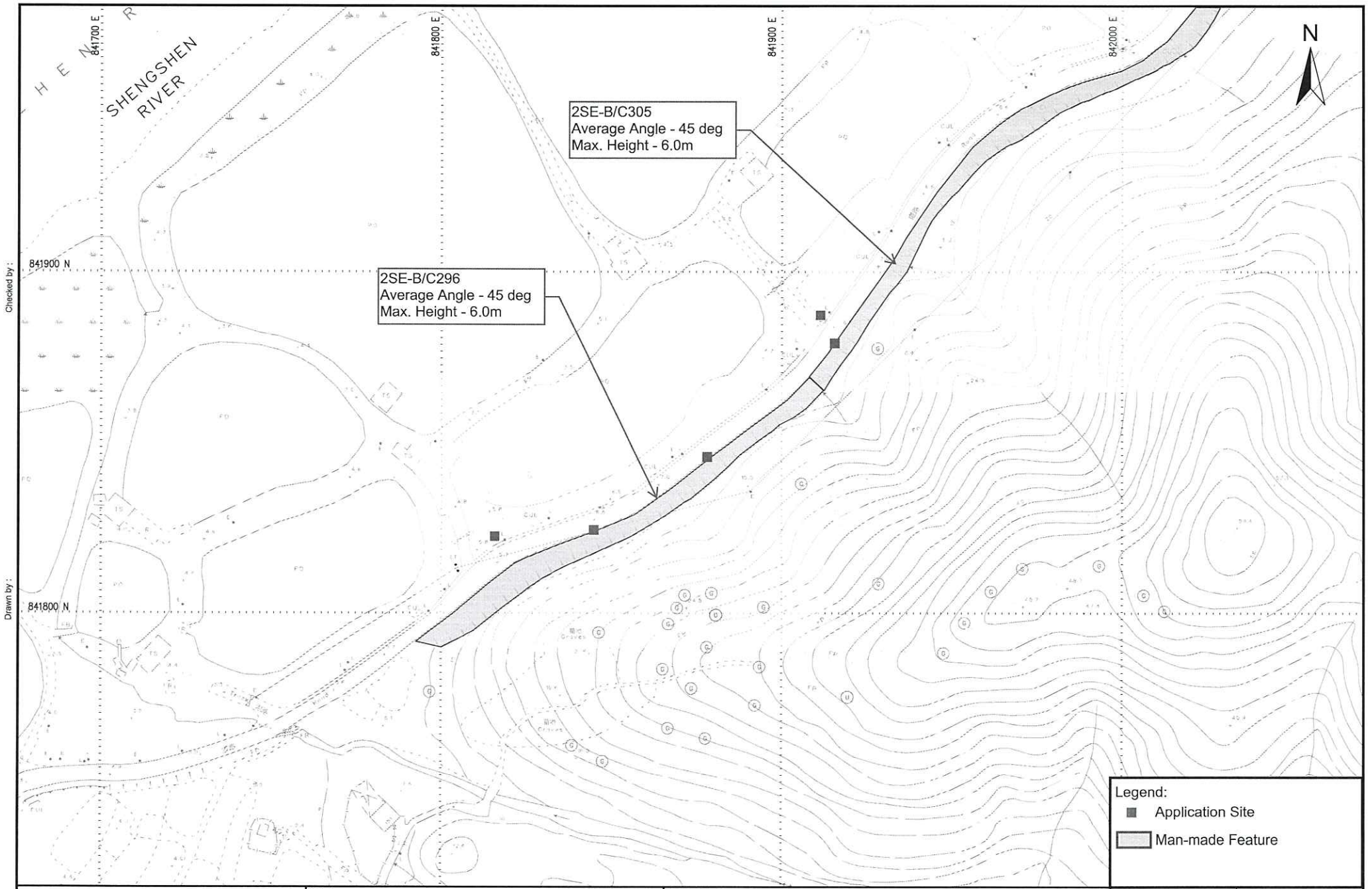
CAD Reference : C:\USERS\L.NGAN\DOCUMENTS\190011_051-GPRR-2022-07-21-HS\190011.051_FIG02 (P01) (GPRR).DWG Date & Time : 21-07-22 (4:35:20PM) Plotted By : L.NGAN


Section 4-4
mPD
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
Proposed OHL Poles
2SE-B/C305
SBF/DH10
Fill
Moderately decomposed meta-sandstone
+3.73 mPD
Borehole
(LMCT-BH2)
Proposed pits for foundation of OHL Poles
BH5
+53.19 mPD
Extremely to slightly weathered Sandstone
+35.79 mPD
Distinctly to slightly weathered quartzitic Sandstone
+16.19 mPD
Distinctly to slightly weathered Sandstone
Extremely to distinctly weathered Sandstone
Distinctly to slightly weathered Sandstone


mPD
Section 5-5
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
2SE-B/C296
Proposed OHL Pole
SBF/DH11
Fill
+3.73 mPD
Borehole
(LMCT-BH2)
Proposed pit for
foundation of OHL Pole
Alluvium
Very Silty fine sand
meta-conglomerate/meta-siltstone
Very Silty fine sand
Very stiff, sandy silt
Very Silty fine to medium sand
Very stiff, sandy silt

Appendix B

Slope Location Plan



Checked by :

Drawn by :

Compiled by :

FUGRO (HONG KONG) LIMITED
10/F, Fugro House - KCC2,
1 Kwai On Road, Kwai Chung,
New Territories, Hong Kong. Tel : 2577 9023

Project
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title
Slope Location Plan

Job No.	Figure
B190011.051	-/-
Scale	Date
1:1000	JUL-2022

CAD Reference : C:\USERS\L.NGAN\DOCUMENTS\190011_051-GPRR-2022-07-21-HS\190011.051_FIG02 (P01) (GPRR).DWG Date & Time : 21-07-22 (4:35:20PM) Plotted By : L.NGAN

General Views of Registered Man-made Slopes

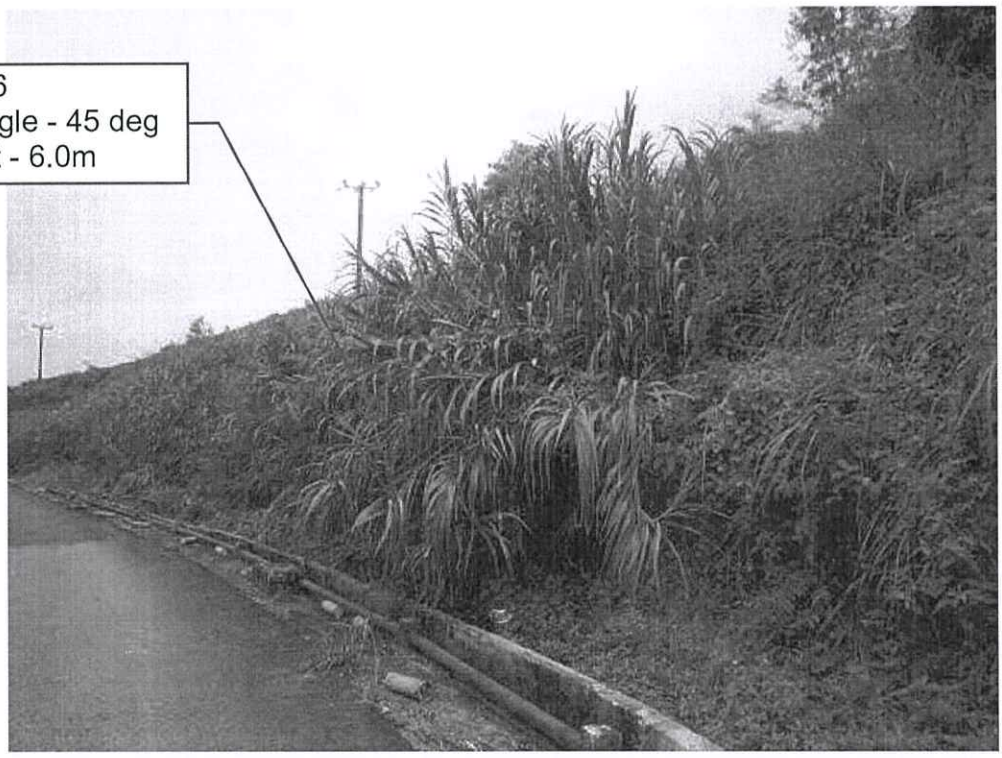


Photo 1: General View of 2SE-B/C296

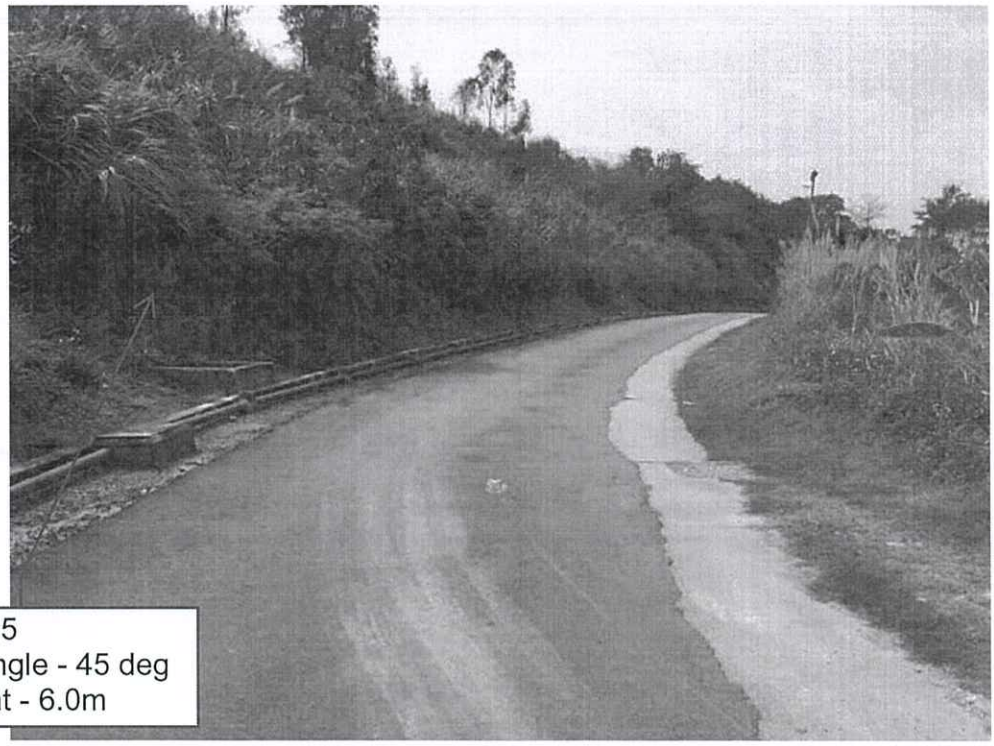


Photo 2: General View of 2SE-B/C305

Appendix B(Cont'd)

Basic Data of Slope Downloaded from SIS

FUGRO

BASIC INFORMATION

Location:	BORDER FENCE ROAD Adjoining Border Rd opposite DD96 Lot1811
Registration Date:	12-05-1998
Ranking Score (NPRS):	0 (EI)
Date of Formation:	post-1977
Date of Construction/ Modification:	
Data Source:	EI(HyD)
Approximate Coordinates:	Easting : 826564 Northing : 841830

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest:	Undeveloped green belt
Distance of Facility from Crest (m):	0
Facility at Toe:	Road/footpath with very low traffic density
Distance of Facility from Toe (m):	0
Consequence-to-life Category:	3
Remarks:	N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 140 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 29-11-2013

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 10-06-2014
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: On slope Size(mm): 300

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 50 Vegetated: 50 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

CHECKING STATUS INFORMATION

Tagmark: 14810_0_5 Part: 0 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.:	2SE3B2
Map Sheet Reference (1:1000):	2SE- 3B
Aerial Photos:	51439 (1983), 51440 (1983)
Nearest Rainguage Station (Station Number):	Sheung Shui Water Treatment Plant, Fu Tei Au Road(N34)
Data Collected On:	10-06-2014
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1979 After: 1975 Modification: Modified Before: 1983 After: 1979
Related Reports/Files or Documents:	File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III
Remarks:	N/A
Follow Up Actions:	N/A

DH-Order (To Be Confirmed with Buildings Department): None

Advisory Letter (To Be Confirmed with Buildings Department): None

LPMIS: None

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:
Weather:
District: MW

Section No: 1-1
Height(m):
Type of Toe Facility: Road/footpath with very low traffic density

Distance from Toe(m): 0
Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0
Consequence Category:
Engineering Judgement:

Section No: 2-2
Type of Toe Facility:

Distance from Toe(m):
Type of Crest Facility:

Distance from Crest(m):
Consequence Category:
Engineering Judgement:

Sign of Seepage:	
Criterion A satisfied:	
Sign of Distress:	
Criterion D satisfied:	
Non-routine maintenance required:	
Note:	
Masonry wall/Masonry facing:	
Note:	
Consequence category (for critical section):	
Observations:	N/A
Emergency Action Required:	
Action By:	N/A

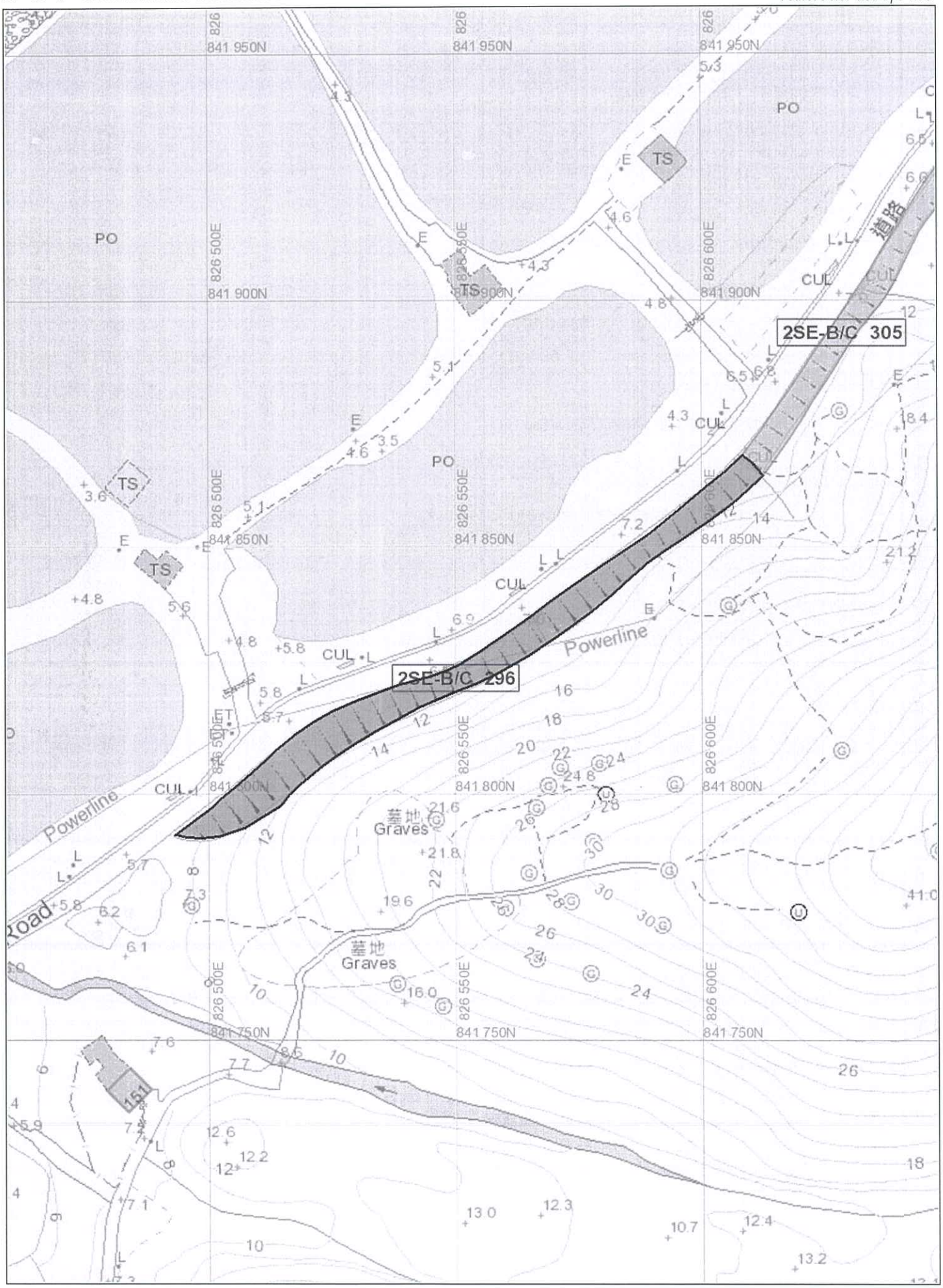
ACTION TO INITIATE PREVENTIVE WORKS

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

OTHER EXTERNAL ACTION

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

PHOTO


2SE-B/C 305
2SE-B/C 296
道路
Powerline
Powerline
Road
Graves
墓地
Graves
墓地
PO
PO
PO
TS
TS
TS
CUL
826 500E
826 550E
826 600E
841 950N
841 900N
841 850N
841 800N
841 750N

BASIC INFORMATION

Location:	Border Fence Road
Registration Date:	12-05-1998
Ranking Score (NPRS):	0 (EI)
Date of Formation:	post-1977
Date of Construction/ Modification:	
Data Source:	EI(Lands D)
Approximate Coordinates:	Easting : 826687 Northing : 841952

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest:	Undeveloped green belt
Distance of Facility from Crest (m):	0
Facility at Toe:	Road/footpath with low traffic density
Distance of Facility from Toe (m):	0
Consequence-to-life Category:	3
Remarks:	N/A

SLOPE PART

(2) Max. Height (m): 6 Length (m): 218 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi),7 Reason Code: 62 MR Endorsement Date: 29-11-2013
(2) Sub Div.: 2 Mixed Feature Party: DD96 LOT 1750RP Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 29-11-2013
(3) Sub Div.: 3 Mixed Feature Party: DD96 LOT 1746RP Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 29-11-2013
(4) Sub Div.: 4 Mixed Feature Party: DD96 LOT 1745 Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 29-11-2013

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 05-11-2018
Data Source: EI(Lands D)
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 100 Chunam: 0 Shotcrete: 0 Other Cover: 0
Material Description: Material type: Soil Geology: N/A
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A

WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: 14813_1_5 Part: 1 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.:	2SE3B2
Map Sheet Reference (1:1000):	2SE- 3B
Aerial Photos:	51439 (1983), 51440 (1983)
Nearest Rainguage Station (Station Number):	Sheung Shui Water Treatment Plant, Fu Tei Au Road(N34)
Data Collected On:	05-11-2018
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1979 After: 1975 Modification: Modified Before: 1983 After: 1979
Related Reports/Files or Documents:	File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III
Remarks:	N/A
Follow Up Actions:	N/A

DH-Order (To Be Confirmed with Buildings Department): None

Advisory Letter (To Be Confirmed with Buildings Department): None

LPMIS: None

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:
Weather:
District: MW

Section No: 1-1
Height(m):
Type of Toe Facility: Road/footpath with low traffic density

Distance from Toe(m): 0
Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0
Consequence Category:
Engineering Judgement:

Section No: 2-2
Type of Toe Facility:

Distance from Toe(m):
Type of Crest Facility:

Distance from Crest(m):
Consequence Category:
Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

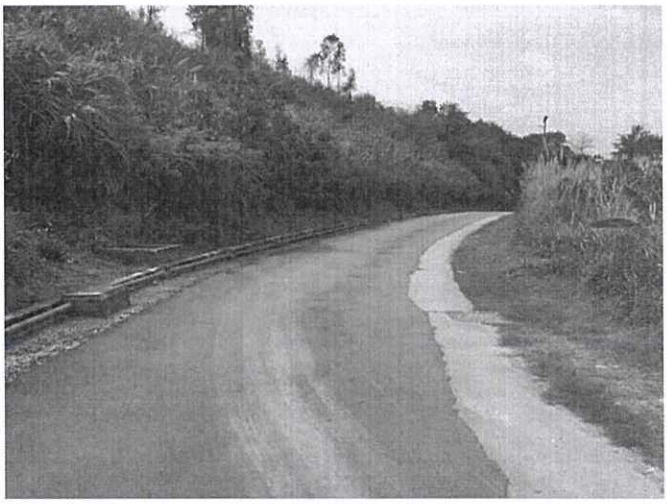
Check / repair Services:

Action By: N/A

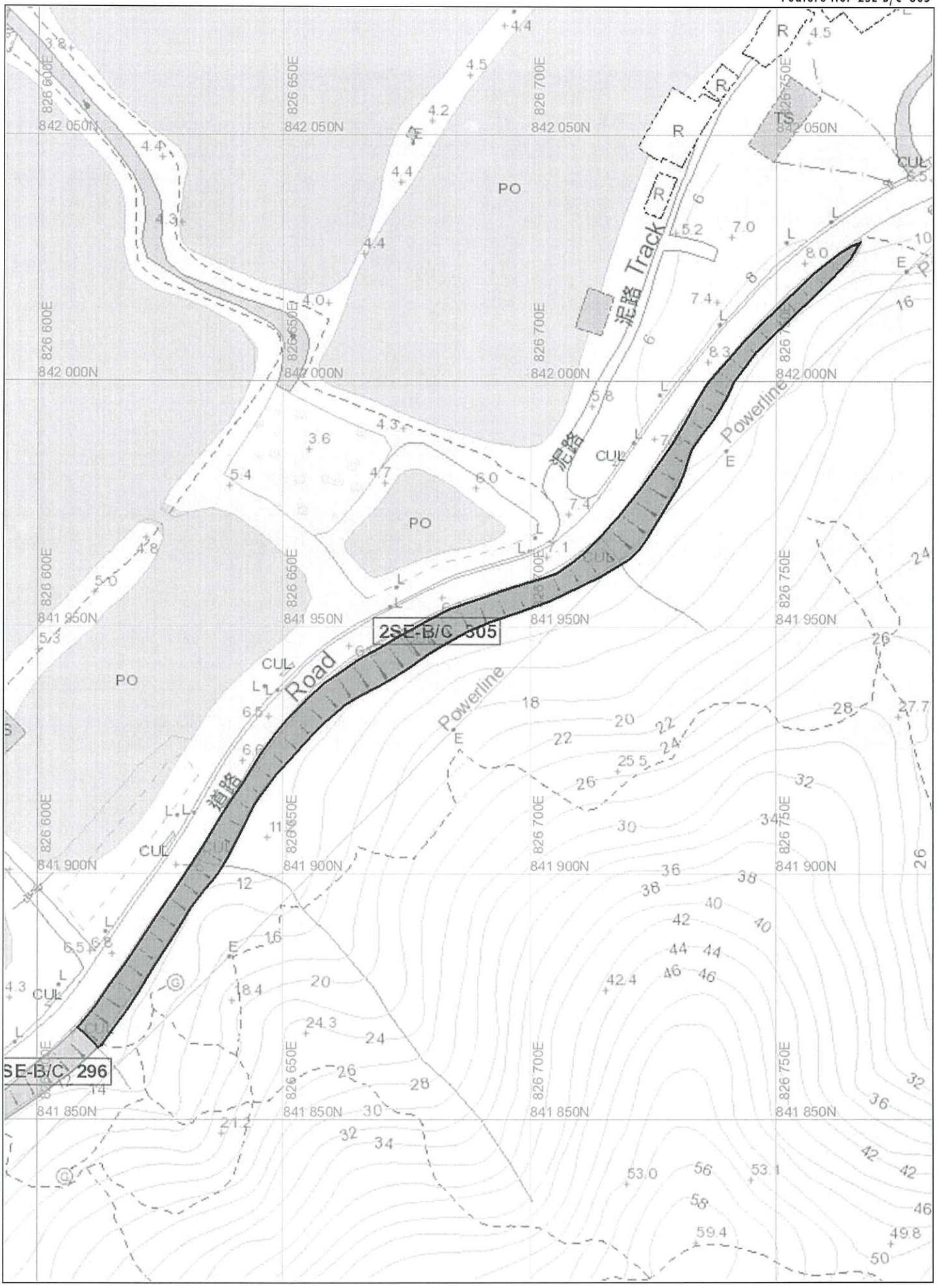
Non-routine Maintenance:

Action By: N/A

PHOTO



Feature No. 2SE-B/C 305



Appendix B(Cont'd)

Slope Maintenance Responsibility Report

Downloaded from SMRIS

Slope Maintenance Responsibility Report (2SE-B/C296)	ESTATE MANAGEMENT SECTION LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	**2SE-B/C296**		**Sub-Division**	Not Applicable
	Location	ADJOINING BORDER ROAD OPPOSITE DD96 LOT 1811		
	Responsible Lot/Party	Lands Department	**Maintenance Agent**	Lands Department
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

- End of Report -

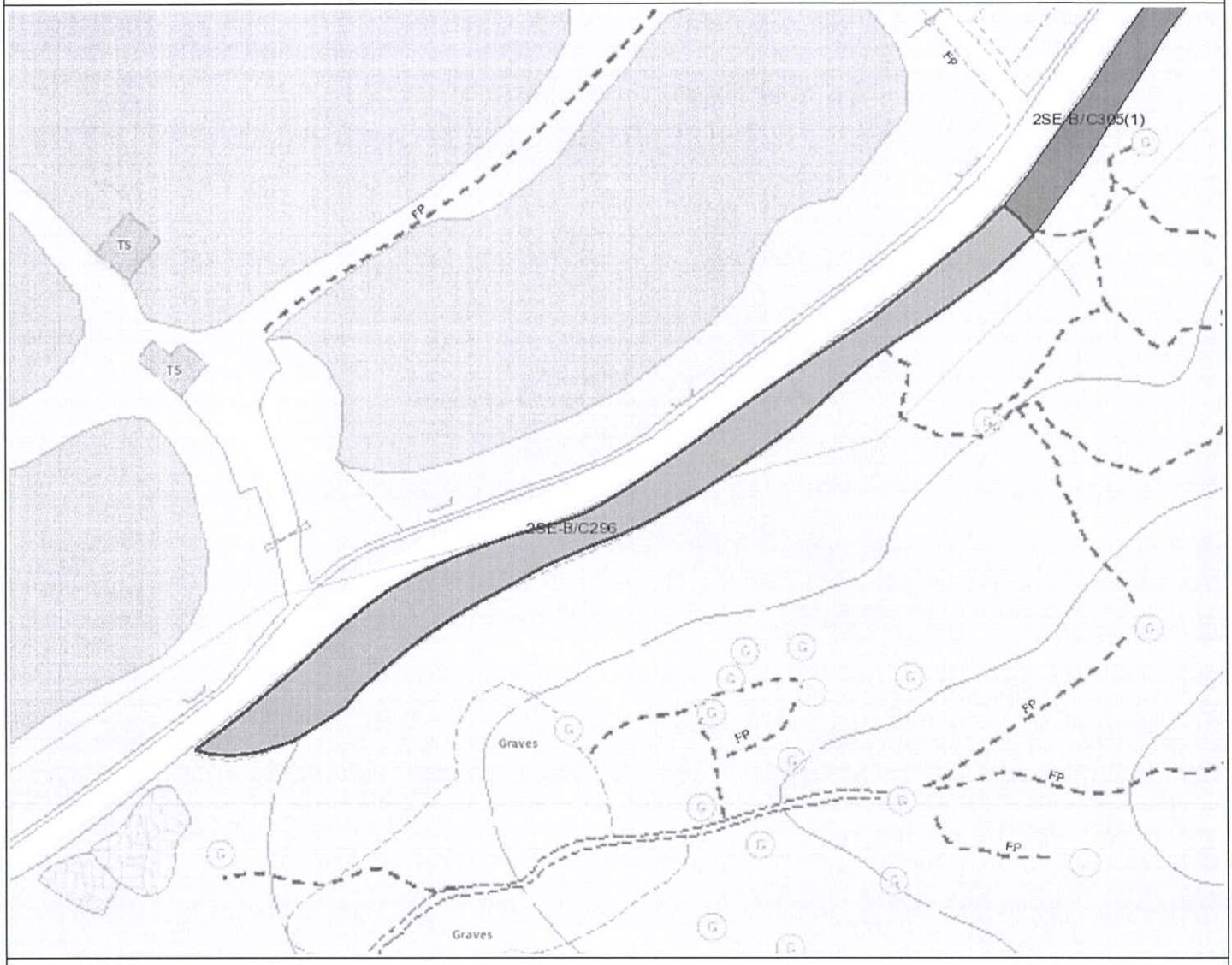
Notes:

(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.

Annex

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: 01/08/2022

Slope Maintenance Responsibility Report (2SE-B/C305)	ESTATE MANAGEMENT SECTION LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	**2SE-B/C305**		**Sub-Division**	1
	Location	ADJOINING BORDER ROAD & WITHIN DD96 LOT 1750RP, 1746RP & 1745 NEAR SPOT LEVEL 11.2		
	Responsible Lot/Party	Lands Department	**Maintenance Agent**	Lands Department
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

- End of Report -

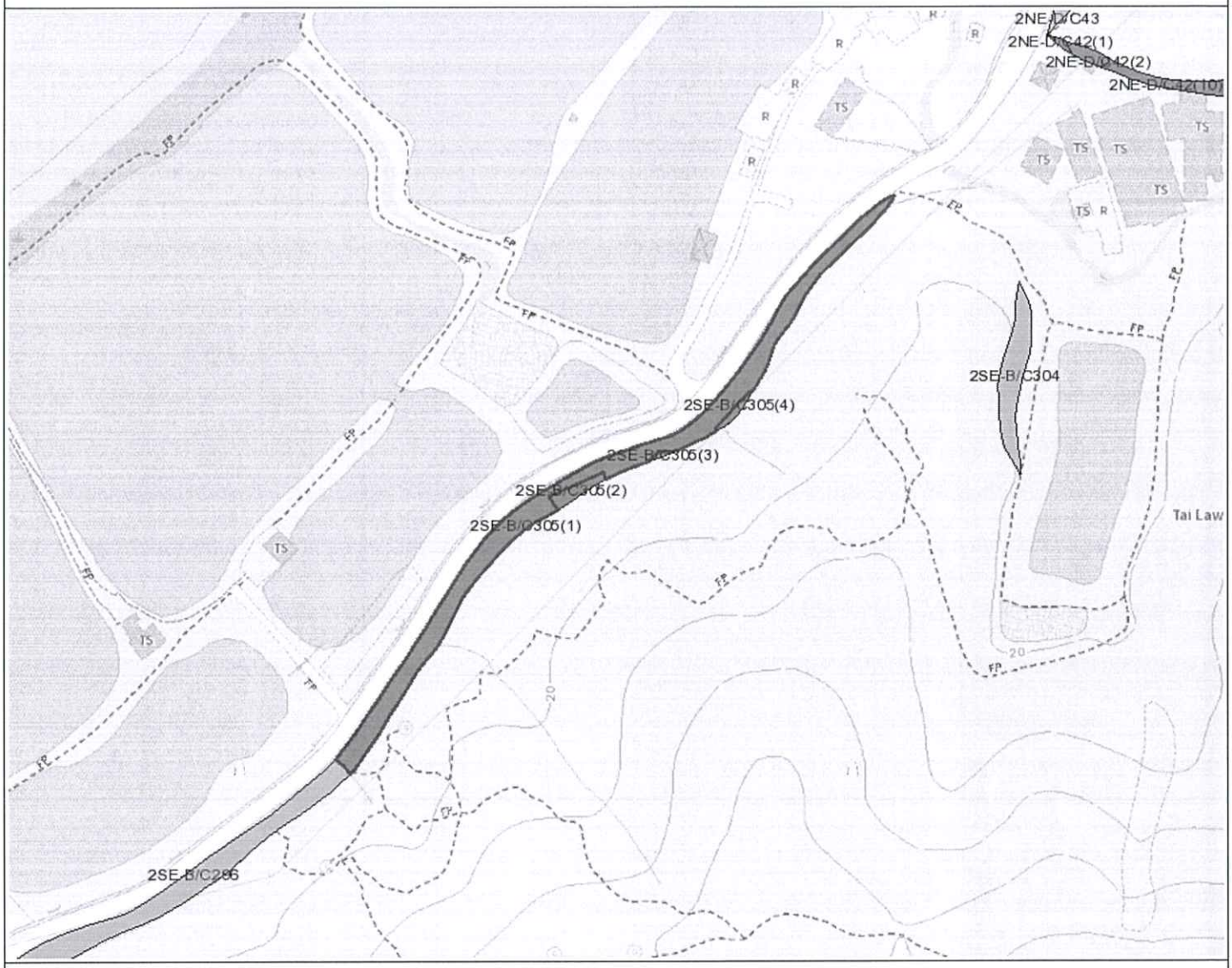
Notes:

(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.

Annex

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

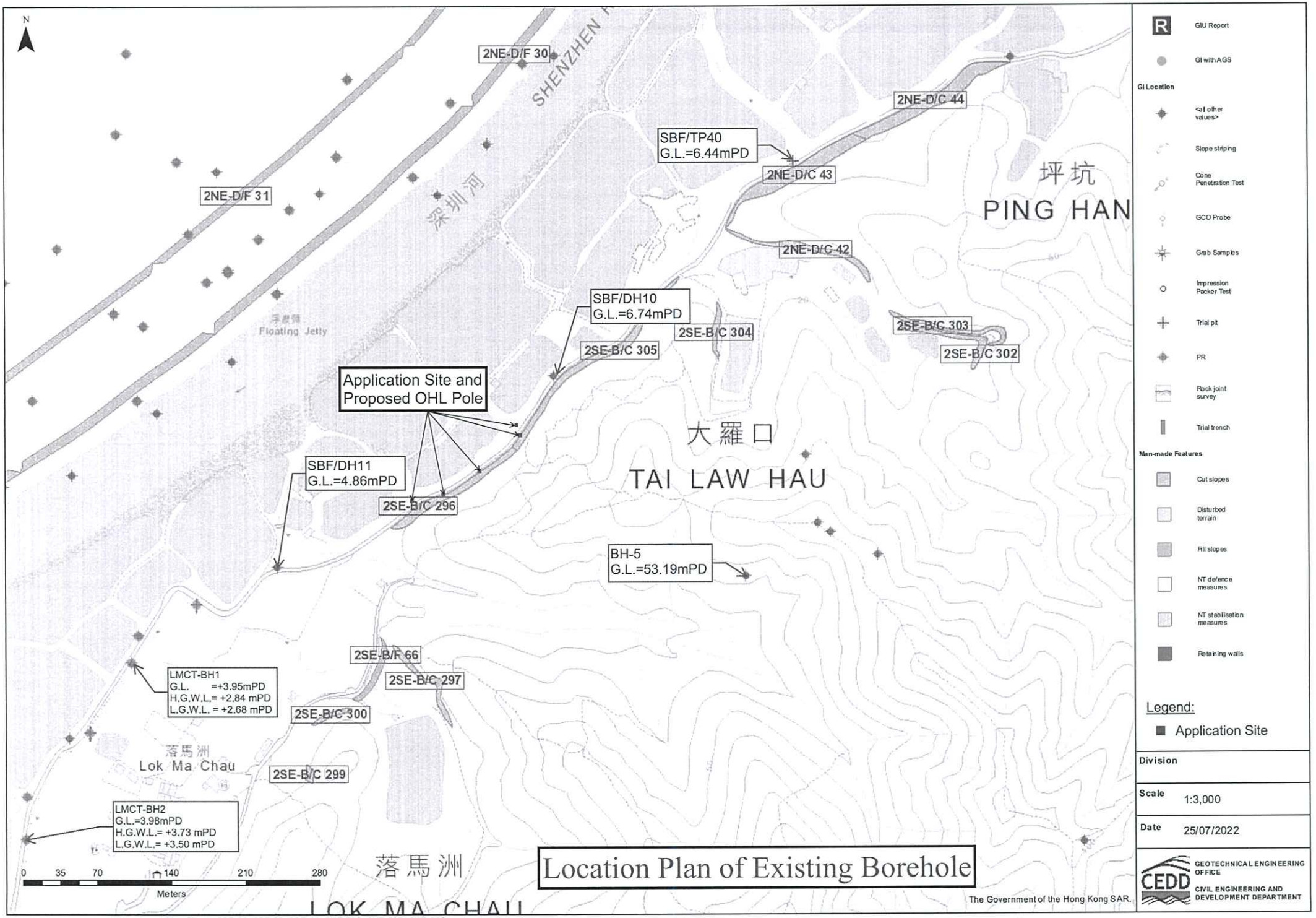
ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

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: 01/08/2022

Appendix C

Location Plan of Existing Borehole



(Printed by KYYip)

Map Sheet : 2SE-3A, 2SE-3B, 2SE-4A, 2NE-23C, 2NE-23D, 2NE-24C

Appendix C(Cont'd)

Measured Groundwater Record

GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 1
Contract No. : GE/2015/29	Date of Installation : 19/09/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.10 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826249.35 N 841664.70
	Sheet 1 of 1
	Piezometer Tip Level : - 4.55 mPD
Buckets (If any) Depth : From 0.05m to 2.55m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
22/09/2017	09:10	Y. T. Chow	1.26	+2.84			
23/09/2017	10:25	Y. T. Chow	1.27	+2.83			
25/09/2017	10:00	Y. T. Chow	1.26	+2.84			
26/09/2017	13:16	Y. T. Chow	1.28	+2.82			
27/09/2017	13:20	Y. T. Chow	1.28	+2.82			
28/09/2017	11:21	Y. T. Chow	1.30	+2.80			
29/09/2017	14:16	Y. T. Chow	1.30	+2.80			

VIBRO GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 1
Contract No. : GE/2015/29	Date of Installation : 19/09/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.10 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826249.35 N 841664.70
	Sheet 1 of 1
	Standpipe Tip Level : - 1.55 mPD
Buckets (If any) Depth : From 0.05m to 2.55m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
22/09/2017	09:10	Y. T. Chow	1.40	+2.70			
23/09/2017	10:25	Y. T. Chow	1.41	+2.69			
25/09/2017	10:00	Y. T. Chow	1.36	+2.74			
26/09/2017	13:16	Y. T. Chow	1.40	+2.70			
27/09/2017	13:20	Y. T. Chow	1.41	+2.69			
28/09/2017	11:21	Y. T. Chow	1.42	+2.68			
29/09/2017	14:16	Y. T. Chow	1.41	+2.69			

GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 2
Contract No. : GE/2015/29	Date of Installation : 13/10/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.13 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826149.30 N 841498.38
	Sheet 1 of 1
	Piezometer Tip Level : - 34.02 mPD
Buckets (If any) Depth : From 0.08m to 2.58m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
16/10/2017	09:40	Y. T. Chow	0.40	+3.73			
17/10/2017	10:08	Y. T. Chow	0.47	+3.66			
18/10/2017	11:00	Y. T. Chow	0.48	+3.65			
19/10/2017	13:21	Y. T. Chow	0.48	+3.65			
20/10/2017	14:16	Y. T. Chow	0.42	+3.71			
21/10/2017	10:41	Y. T. Chow	0.40	+3.73			
23/10/2017	09:04	Y. T. Chow	0.45	+3.68			

GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 2
Contract No. : GE/2015/29	Date of Installation : 13/10/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.13 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826149.30 N 841498.38
	Sheet 1 of 1
	Piezometer Tip Level : - 20.42 mPD
Buckets (If any) Depth : From 0.08m to 2.58m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
16/10/2017	09:40	Y. T. Chow	0.56	+3.57			
17/10/2017	10:08	Y. T. Chow	0.63	+3.50			
18/10/2017	11:00	Y. T. Chow	0.60	+3.53			
19/10/2017	13:21	Y. T. Chow	0.58	+3.55			
20/10/2017	14:16	Y. T. Chow	0.51	+3.62			
21/10/2017	10:41	Y. T. Chow	0.50	+3.63			
23/10/2017	09:04	Y. T. Chow	0.53	+3.60			

Appendix C(Cont'd)

Existing Ground Investigation Records

DRILLHOLE RECORD

VIBRO

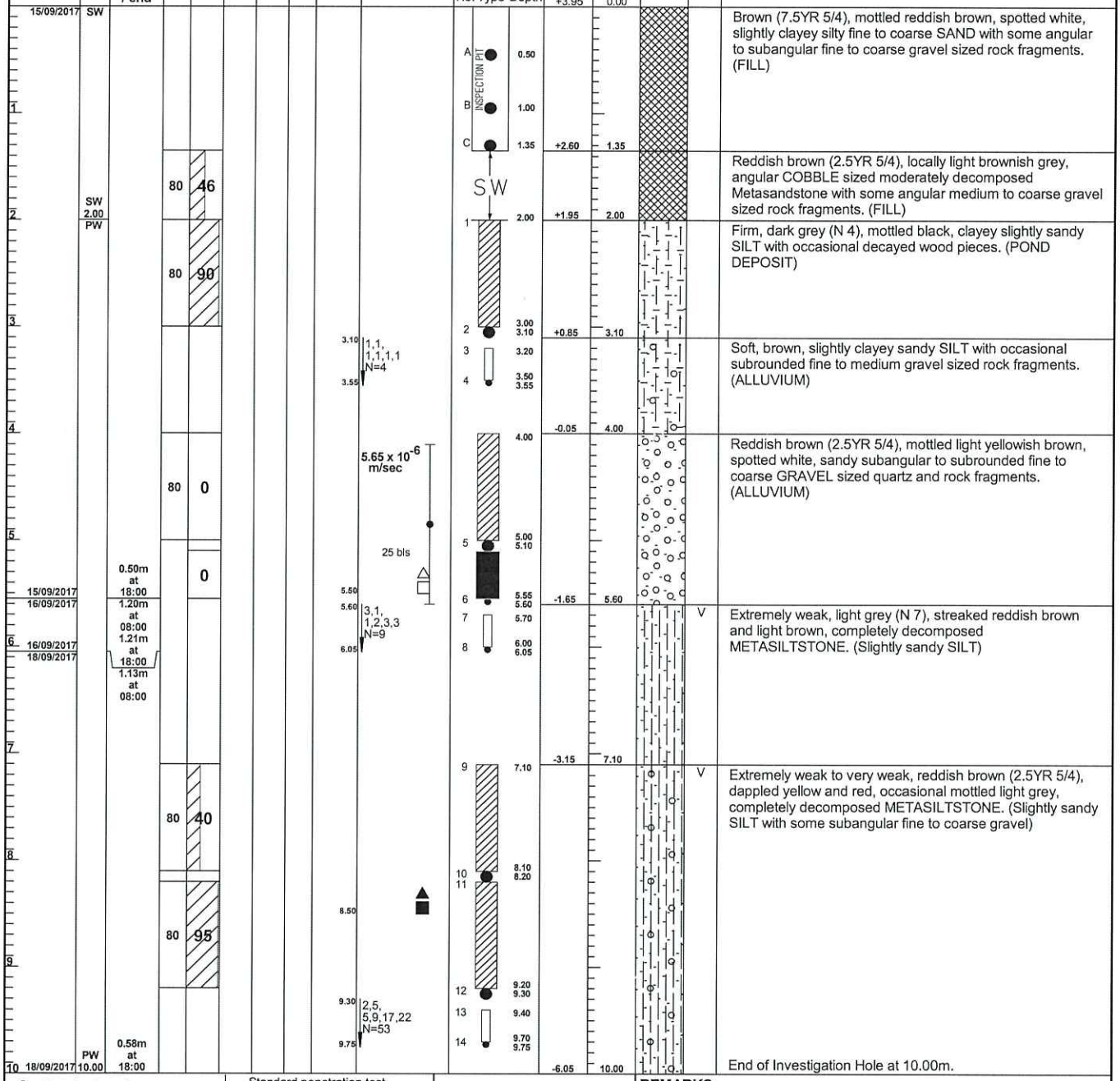
HOLE NO. LMCT-BH 1

CONTRACT NO. : GE/2015/29

SHEET 1 OF 1

PROJECT
Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826249.35 N 841664.70	DATE : 15/09/2017 to 18/09/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.95 mPD



- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	19/09/2017
CHECKED	Y. M. Leung
DATE	21/09/2017

REMARKS
1. An inspection pit was excavated to 1.35m.
2. A constant head permeability test was carried out from 4.10m to 5.60m.
3. A standpipe was installed to 5.50m.
4. A piezometer was installed at 8.50m.
5. Piezometer buckets were installed in standpipe and piezometer from 0.05m to 2.55m depth at 0.50m intervals below ground level.

J201617e

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH1

Box No.: 1 of 1

Depth : 0.00 m to 10.00 m

Date of Photograph : 31-10-2017

DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29		HOLE NO. LMCT-BH 2
		SHEET 1 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
21/09/2017	SW									A 0.50 INSPECTION PIT					Brown (7.5YR 5/4), mottled reddish brown, silty sandy subangular fine to coarse GRAVEL sized rock fragments. (FILL)
										B 1.00	+2.98	1.00			
			80	36						T2101					Light grey (N 7), locally light brown, slightly silty angular medium to coarse GRAVEL sized rock fragments. (FILL)
										1.50	+2.48	1.50			
			80	90						2.50					Firm to stiff, dark greyish brown (10YR 4/2), spotted dark grey, clayey slightly sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
										2 2.60	+1.38	2.60			
		0.10m at 18:00						2.60	1,1, 1,1,1,1 N=4	3 2.70					Soft, dark grey (N 4), spotted dark brown, clayey slightly sandy SILT. (POND DEPOSIT)
21/09/2017								3.05		4 3.00 3.05					
22/09/2017		0.40m at 08:00							23.24 kN/m²	5 3.55					
				0						3.60					From 3.60m to 4.60m : No recovery.
		0.25m at 18:00								6 4.55	-0.62	4.60			
22/09/2017									28 blds	7 4.60					
23/09/2017		1.03m at 08:00		56						8 5.05 5.10					Stiff, yellowish brown (10YR 5/4), mottled reddish brown, occasional mottled white, clayey slightly sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
								5.10	2,3, 3,3,5,8 N=19	9 5.20					
								5.55	1.30×10^{-7} m/sec	10 5.50 5.55					
										11 6.10					
											-2.62	6.60			
			80	98						12 6.60				V	Extremely weak, brown (7.5YR 5/4), streaked reddish brown, completely decomposed METASILTSTONE. (Sandy SILT with some subangular fine to medium gravel)
										13 7.60 7.70	-3.72	7.70			
		0.22m at 18:00						7.70	5,7, 6,10,20,16 N=52	14 7.80				V	Extremely weak to very weak, light reddish brown (2.5YR 7/3), spotted and mottled reddish brown, completely decomposed METASILTSTONE. (Sandy SILT with much subangular fine to medium gravel)
23/09/2017	SW 8.15							8.15		15 8.10 8.15					
25/09/2017	PW	0.53m at 08:00													
									9.17×10^{-7} m/sec	16 8.60					
			60	95											
		0.27m at 18:00								17 9.60 9.70					
25/09/2017															
26/09/2017		0.80m at						9.70	4,4, 7,7,8,9	18 9.80					

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample

- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS
1. An inspection pit was excavated to 1.00m.
2. An in-situ vane shear test was carried out at 3.55m.
3. Constant head permeability tests were carried out from 5.10m to 6.60m and 8.70m to 10.20m.
4. Piezometers were installed at 24.40m and 38.00m.
5. Piezometer buckets were installed in piezometers from 0.08m to 2.58m depth at 0.50m intervals below ground level.

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DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 2
	SHEET 2 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
26/09/2017	PW	08:00 0.28m at 18:00						10.15	N=31	19 10.10 10.15	-6.02	10.00		V	See sheet 1 of 5
27/09/2017		0.81m at 08:00									-6.62	10.60		V	Extremely weak, brown (7.5YR 5/4), occasional spotted white, completely decomposed METASILTSTONE. (Slightly sandy SILT)
			60	88						20 10.60					
										21 11.60 11.70					
								11.70	3,3, 5,6,7,9 N=27	22 11.80					
								12.15		23 12.10 12.15	-8.62	12.60		V	Extremely weak, reddish brown (2.5YR 5/4), streaked light grey, completely decomposed METASILTSTONE. (Slightly sandy SILT with occasional subangular fine to medium gravel)
			60	95						24 12.60					
										25 13.60 13.70					
								13.70	6,8, 12,17,25,30 N=84	26 13.80					
27/09/2017		0.25m at 18:00						14.15		27 14.10 14.15					
28/09/2017		0.95m at 08:00													
										28 14.60					
			60	95											
										29 15.60 15.70					
								15.70	3,8, 12,19,22,33 N=86	30 15.80					
								16.15		31 16.10 16.15	-12.62	16.60		IV	Very weak, reddish brown (2.5YR 5/4), streaked and mottled light grey, highly decomposed METASANDSTONE. (Silty sandy subangular fine to medium GRAVEL)
										32 16.60					
			60	95											
										33 17.60 17.70	-13.72	17.70		IV	Very weak, brown (7.5YR 5/4), spotted white, highly decomposed METASANDSTONE. (Subangular fine to medium GRAVEL)
								17.70	10,12, 14,28,32,24 N=98	34 17.80					
								18.15		35 18.10 18.15					
28/09/2017	PW 18.60	0.55m at 18:00									-14.62	18.60		IV	Very weak, reddish brown (2.5YR 5/4), streaked and mottled brown, highly decomposed METASANDSTONE. (Silty sandy subangular fine to medium GRAVEL)
29/09/2017	HW	1.12m at 08:00								36 18.60					
			60	95											
										37 19.60 19.70					
								19.70	16,13, 13,16,30,36	38 19.80					

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample

- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 2
	SHEET 3 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
	HW							20.15	N=95	39 20.10–20.15				IV	See sheet 2 of 5
			60	95						40 20.60					
								21.60		41 21.60–21.70					
								21.70	8,12, 14,18,30,32 N=94	42 21.80					
								22.15		43 22.10–22.15	-18.62	22.60			
			60	95						44 22.60				IV	Very weak to weak, light grey (N 7), streaked brown, highly decomposed METASILTSTONE. (Slightly silty subangular fine to coarse GRAVEL)
								23.70		45 23.60–23.70					
								23.83	50/70mm 100/60mm (100/60mm)	46 23.78–23.83					
								24.40		47					
29/09/2017		0.42m at 18:00								48 24.60					
30/09/2017		0.92m at 08:00	60	100				24.96		49 24.86–24.96	-20.98	24.96			
							9.4	25.49						III	Moderately strong, greyish brown, dappled brown, moderately decomposed METASILTSTONE. Joints are very closely to closely spaced, locally medium spaced, occasional slickensided planar, extremely narrow to very narrow, iron and manganese oxide stained, dipping 10° to 20°, 20° to 30°, 40° to 50°, 60° to 70° and 70° to 80°.
			60	100	82	33	>20	25.59		T2IOI					
							12.5	26.07		26.28					
							>20	26.75		T2IOI					At 26.97m : Fractured, quartz vein up to 40mm thick, dipping 20° to 30°.
			60	100	49	0									
30/09/2017		0.31m at 18:00								27.55					
03/10/2017		1.00m at 08:00					10.9	28.50		T2IOI	-24.52	28.50			
			85	63	47	15	NR	29.05		29.05	-25.07	29.05		V	From 28.50m to 29.05m : No recovery, inferred to be completely decomposed METASILTSTONE.
			85	100	96	24	13.4			T2IOI				III	

- Disturbed sample
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- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

J201617e

DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 2
	SHEET 4 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
	HW									T2 1 01 30.22	-26.02	30.00		III	See sheet 3 of 5
31			85	100	89	43	4.5	30.69		T2 1 01					
							12.0	31.13							
32			85	52	5	0	>20	31.63		T2 1 01 31.63	-28.15	32.13		V	From 32.13m to 32.59m : No recovery, inferred to be completely decomposed METASILTSTONE.
		0.90m at 18:00					NR	32.13		T2 1 01 32.59	-28.61	32.59			
	03/10/2017							32.59							
	04/10/2017	1.10m at 08:00	85	90	31	16	NA	32.79			-28.80	32.78		IV	Moderately weak to moderately strong, reddish brown, spotted white, moderately decomposed METASANDSTONE.
33							14.2	33.00		T2 1 01				III	Joints are very closely to closely spaced, locally extremely closely spaced, rough planar and rough stepped, extremely narrow to very narrow, iron and manganese oxide stained, dipping 20° to 30°, 40° to 50° and 50° to 60°.
							>20	33.20		33.20	-29.22	33.20		IV	From 32.59m to 32.78m : Moderately weak, reddish brown (2.5YR 5/4), spotted white, highly decomposed METASANDSTONE. (Sandy subangular fine to coarse GRAVEL)
			65	0											
34								34.10		50 34.00 34.10	-30.12	34.10		IV	Very weak to weak, reddish brown (2.5YR 5/4), streaked dark greyish brown, highly decomposed METASANDSTONE. (Silty sandy subangular fine to coarse GRAVEL)
			85	91	0	0	NA			T2 1 01					Moderately weak, brown (7.5YR 5/4), dappled brown, highly decomposed METASANDSTONE. (Slightly silty sandy subangular fine to coarse GRAVEL with some subangular cobbles)
35	04/10/2017	0.90m at 18:00						35.10		51 35.10	-31.12	35.10		V	Extremely weak to very weak, brown, streaked black, completely decomposed METASANDSTONE. (Silty fine to medium SAND with much subangular fine to medium gravel)
	06/10/2017	1.05m at 08:00													
			80	95											
36									36.20 50/70mm, 36.35 90,10/5mm (100/80mm)	52 36.10 36.20					
										53 36.30					
										54 36.60 36.65					
37										55 37.10					
			80	95											
38								38.00							
								38.20	20,30/65mm, 100/70mm (100/70mm)	56 38.10 38.20					
								38.41		57 58 38.36 38.41					
	06/10/2017	0.65m at 18:00						38.90			-34.92	38.90		IV	Moderately weak to moderately strong, brown, streaked black, moderately decomposed METASILTSTONE.
39	07/10/2017	0.90m at 08:00					NA	39.13			-35.15	39.13		III	Joints are very closely to closely spaced, locally extremely closely spaced, occasional slickensided planar, extremely narrow to very narrow, iron and manganese oxide stained, dipping 0° to 10°, 20° to 30°, 40° to 50°, 50° to 60° and 60° to 70°.
			80	98	21	15	13.0	39.36		T2 1 01	-35.38	39.36		IV	
							NA			39.90 T2 1 01	-36.01	39.99			
40								39.99							

- Disturbed sample
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- U100 undisturbed sample
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- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 2
	SHEET 5 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO. VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
											-36.02	40.00			
	HW						17.6	40.16			-36.18	40.16		III	From 38.90m to 39.13m : Moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASANDSTONE. (Slightly silty sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
							NR	40.65			-36.67	40.65		V	From 39.36m to 39.99m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
			80	69	40	32				T2IOI					
41							11.6	41.08			-37.10	41.08		III	
										41.19					
							NA	41.57			-37.59	41.57		IV	From 40.16m to 40.65m : No recovery, inferred to be completely decomposed METASILTSTONE.
															From 41.08m to 41.57m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
42			80	99	46	30	9.0	42.24		T2IOI	-38.26	42.24		III	
										42.58					
							NA	42.77			-38.79	42.77		IV	From 42.24m to 42.77m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
43							17.1	43.18			-39.20	43.18		III	
			80	78	15	0				T2IOI					
							NA	43.58			-39.60	43.58		IV	From 43.18m to 43.58m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
		0.65m at 18:00					NR	43.86			-39.88	43.86		V	From 43.58m to 43.86m : No recovery, inferred to be completely decomposed METASILTSTONE.
	07/10/2017		60	0				43.91		59 43.86					
44	09/10/2017	0.95m at 08:00								43.89	-39.93	43.91		IV	Weak to moderately weak, greyish brown (2.5Y 5/2), streaked brown (7.5YR 5/4), highly decomposed METASILTSTONE. (Slightly sandy angular to subangular fine to coarse GRAVEL)
										43.91				II	Strong, grey, occasional streaked dark brown, slightly decomposed METASILTSTONE.
			60	100	100	94				T2IOI					Joints are medium spaced, locally closely spaced, occasional rough stepped, extremely narrow, iron and manganese oxide stained, dipping 10° to 20°, 40° to 50°, 50° to 60° and 60° to 70°.
45							3.1								
	HW 45.34									45.34					
46			60	100	98	89				T2IOI	-42.39	46.37		III	Moderately strong, brown, streaked white and dark brown, moderately decomposed METASANDSTONE.
								46.51							Joints are closely to medium spaced, locally very closely spaced, rough planar and rough stepped, occasional slickensided planar, extremely narrow, iron and manganese oxide stained, dipping 20° to 30°, 30° to 40°, 40° to 50°, 50° to 60° and 60° to 70°.
							9.4	46.83		46.83					
47							>20	47.17							
		0.28m at 18:00	60	100	16	0	18.2	47.28		T2IOI					
	09/10/2017						>20	47.50		47.50					
	10/10/2017	1.21m at 08:00													From 47.54m to 48.29m : With some quartz veins up to 10mm thick, dipping 30° to 40°.
48			60	100	89	66	9.8	48.42		T2IOI					
										48.42					
							>20	48.56							
		0.52m at 18:00	60	100	70	43	4.0	48.81		T2IOI					
49	10/10/2017						12.5	49.05		49.05	-45.07	49.05			End of Investigation Hole at 49.05m.
50															

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

J201617e

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 1 of 10

Depth : 0.00 m to 11.70 m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO (H.K.) LIMITED
惠保(香港)有限公司
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

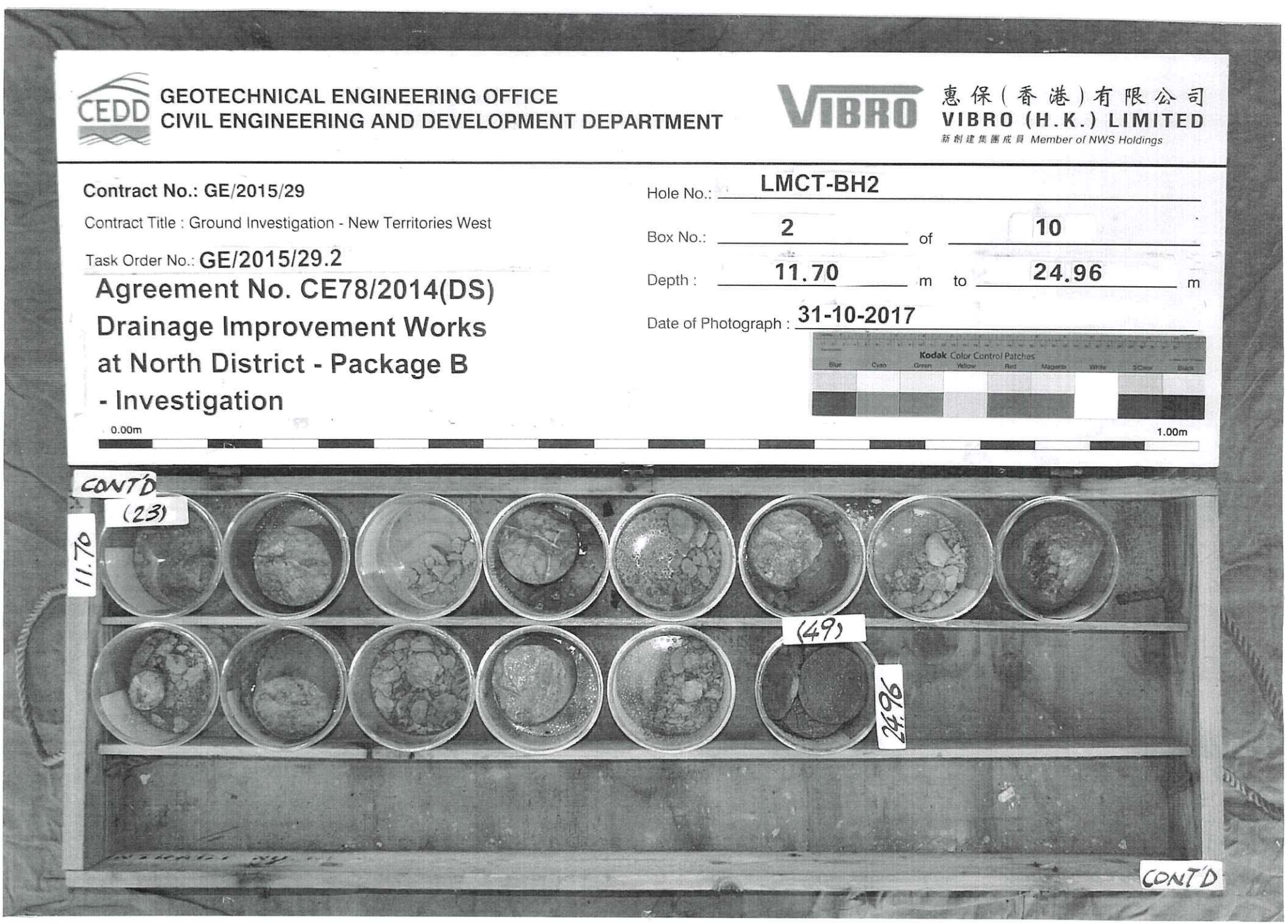
Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 2 of 10

Depth : 11.70 m to 24.96 m

Date of Photograph : 31-10-2017



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CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 3 of 10

Depth : 24.96 m to 27.55 m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: **GE/2015/29.2**

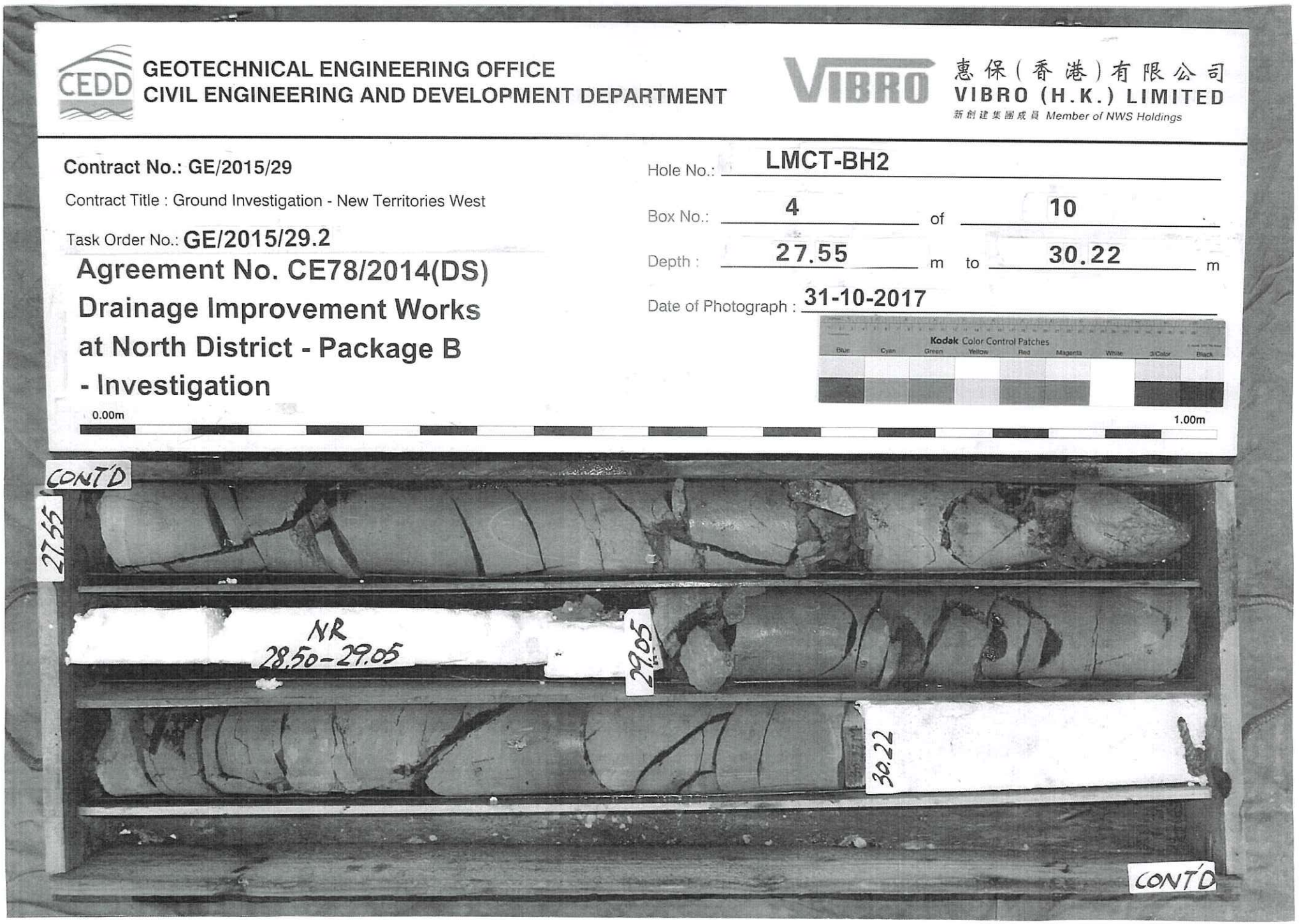
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: **LMCT-BH2**

Box No.: **4** of **10**

Depth : **27.55** m to **30.22** m

Date of Photograph : **31-10-2017**



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CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 5 of 10

Depth : 30.22 m to (32.99) m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

惠保（香港）有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

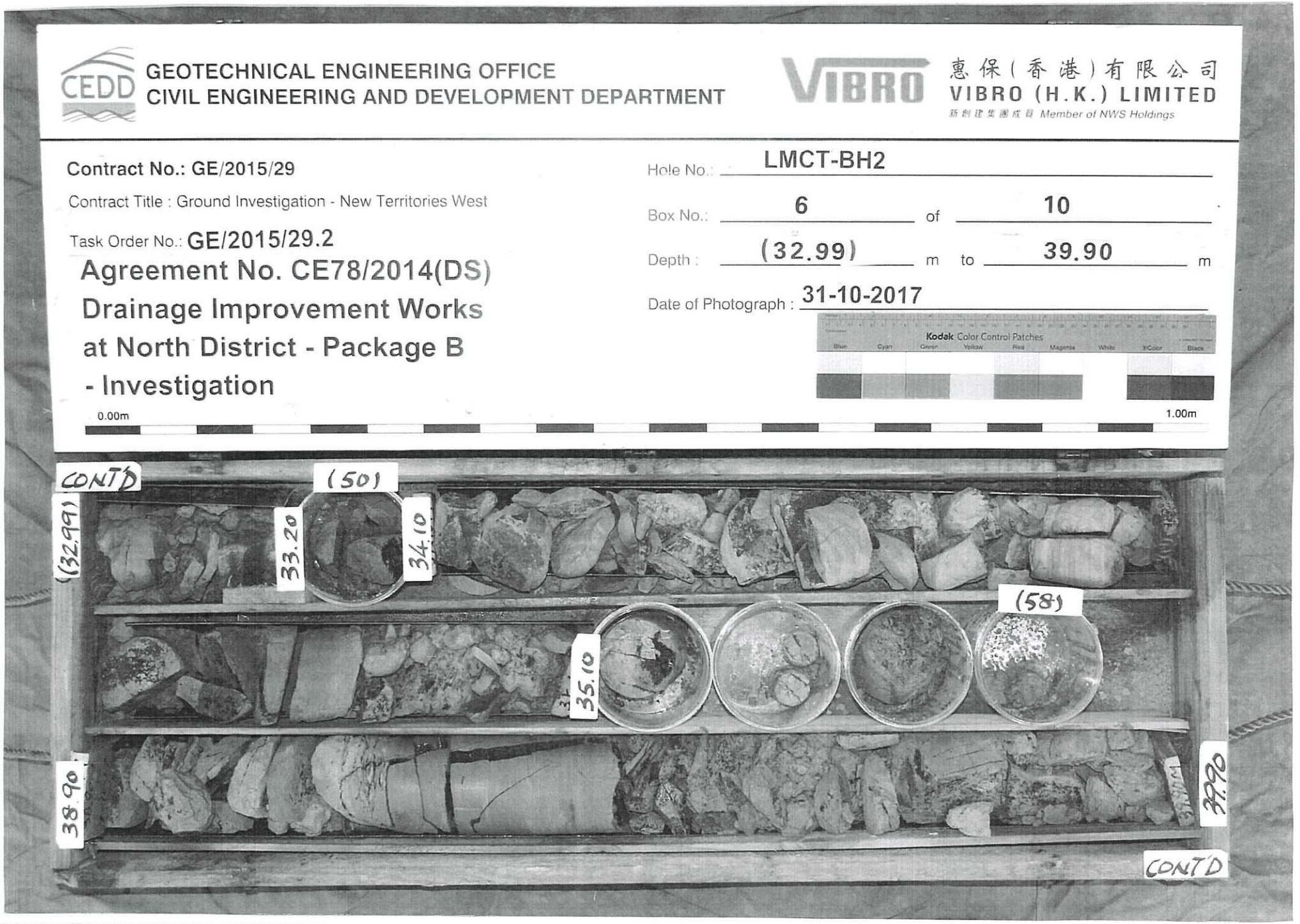
Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 6 of 10

Depth : (32.99) m to 39.90 m

Date of Photograph : 31-10-2017



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新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

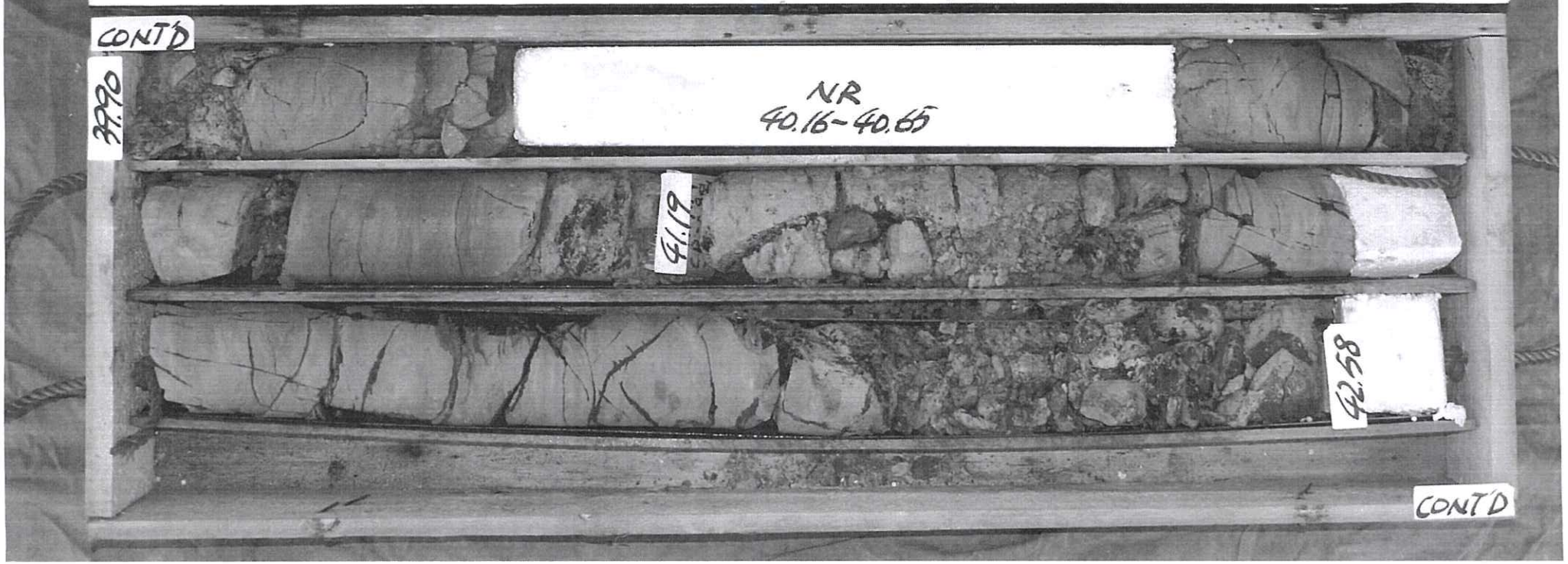
Agreement No. CE78/2014(DS)
Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 7 of 10

Depth : 39.90 m to 42.58 m

Date of Photograph : 31-10-2017



0.00m 1.00m

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CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

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VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

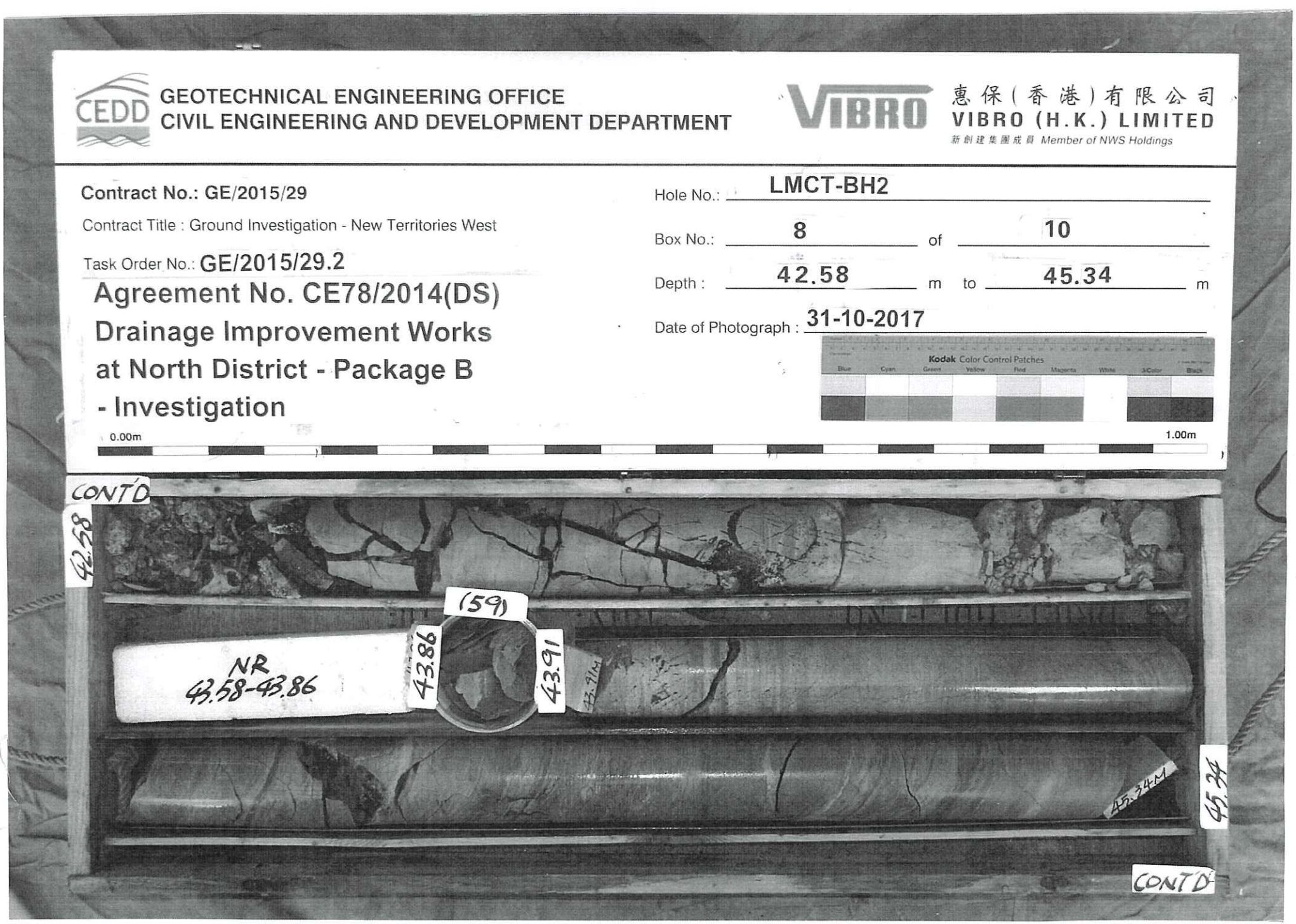
Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 8 of 10

Depth : 42.58 m to 45.34 m

Date of Photograph : 31-10-2017



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VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

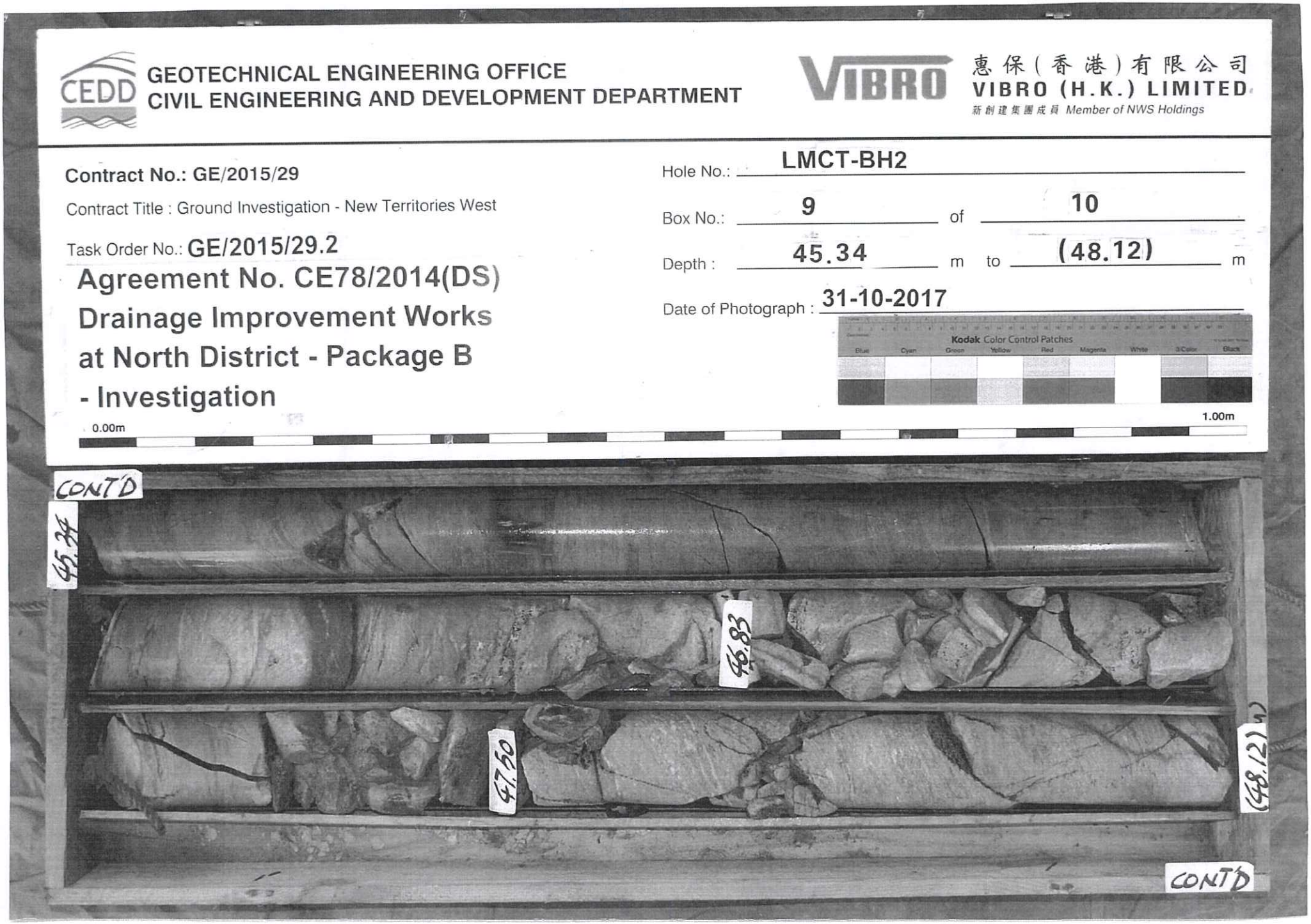
Agreement No. CE78/2014(DS)
Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 9 of 10

Depth : 45.34 m to (48.12) m

Date of Photograph : 31-10-2017



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO (H.K.) LIMITED
惠保(香港)有限公司
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 10 of 10

Depth : (48.12) m to 49.05 m

Date of Photograph : 31-10-2017


GEOTECHNICS & CONCRETE ENGG (HK) LTD
CONTRACT NO. TC N307
ARCHITECTURAL SERVICES DEPARTMENT
TERM CONTRACT FOR GROUND INVESTIGATION
SITE : CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - STAGE 1
W.O. NO. : ASD 010414
HOLE NO.: DH 10
DEPTH : 0.00 M TO 3.03 M
DATE: 24-5-2005
BOX 1 OF 1
0.0m
0.5m
1.0m
KODAK Color Control Patches
Kodak
0.00
0.80
1.26
1.60
3.03
END

GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.

GROUND INVESTIGATION DEPARTMENT

HOLE NO. **SBF/DH10**

SHEET 1 OF 1

DRILLHOLE RECORD

CONTRACT NO. TC N307

PROJECT **Construction of A Secondary Boundary Fence - Stage 1**

METHOD	**Rotary Cored**	CO-ORDINATES **E 826647.23**	WORKS ORDER NO. **ASD 010414**
MACHINE & NO.	**DR113**	**N 841934.82**	DATE FROM **20/04/2005** TO **20/04/2005**
FLUSHING MEDIUM	**Water**	ORIENTATION **Vertical**	GROUND LEVEL **6.74** mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
20/04/2005	HX							A INSPECTION PIT B	6.74	0.00			Yellowish red (5YR 5/8), silty fine to medium SAND with some angular to subangular fine to coarse gravel sized moderately strong rock fragments. (FILL)
									5.94	0.80			
1	HX 1.26		99	99	91	8.7		T2IOI				III	Moderately strong, reddish brown, moderately decomposed meta-SANDSTONE. Joints are closely spaced, occasional very closely and medium spaced, rough and smooth planar, rough undulating, extremely narrow to occasional very narrow, limonite, iron and manganese oxide stained, dipping at 0° to 10°, 20° to 30° and 30° to 40°. From 1.71m to 1.98m : Subvertical joint.
			100	98	0	14.9		T2IOI		1.26			
2			100	92	56	20 12.1		T2IOI		1.60			
3 20/04/2005		1.23m at 18:00							3.71	3.03			Hole completed at 3.03m.
4													
5													
6													
7													
8													
9													
10													

- SMALL DISTURBED SAMPLE
- LARGE DISTURBED SAMPLE
- SPT LINER SAMPLE
- U76 UNDISTURBED SAMPLE
- U100 UNDISTURBED SAMPLE
- MAZIER SAMPLE
- PISTON SAMPLE
- WATER SAMPLE
- PIEZOMETER TIP
- STANDPIPE
- STANDARD PENETRATION TEST
- PERMEABILITY TEST
- IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PACKER TEST

LOGGED **Y.K. Lee**

DATE **21/04/2005**

CHECKED **Tom Lo**

DATE **22/04/2005**

REMARKS

GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.

GROUND INVESTIGATION DEPARTMENT

HOLE NO. **SBF/DH11**

SHEET 1 OF 2

DRILLHOLE RECORD

CONTRACT NO. TC N307

PROJECT **Construction of A Secondary Boundary Fence - Stage 1**

METHOD	**Rotary Cored**	CO-ORDINATES **E 826386.01** **N 841754.65**	WORKS ORDER NO. **ASD 010414**
MACHINE & NO.	**DR129**		DATE FROM **24/04/2005** TO **26/04/2005**
FLUSHING MEDIUM	**Water**	ORIENTATION **Vertical**	GROUND LEVEL **4.86** mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
0									4.86	0.00			
24/04/2005	PX							A					Firm, yellowish brown (10YR 5/8), dappled grey, sandy clayey SILT with some angular to subangular fine to coarse gravel sized moderately weak to moderately strong rock fragments. (FILL)
1								B INSPECTION PIT		0.50			
										1.00			
								C	3.36	1.50			
2 24/04/2005		Dry at 18:00						D	2.86	2.00			Yellowish brown (10YR 5/8), clayey silty fine to coarse SAND with much angular fine to medium gravel sized rock fragments. (FILL)
25/04/2005		Dry at 08:00	80					1					Greyish brown (2.5Y 5/2), clayey silty fine to coarse SAND with much angular to subangular fine to coarse gravel sized moderately strong and strong rock and quartz fragments. (ALLUVIUM)
3								2	1.76	3.10			
							1,1 1,1,1,2 N=5	3					Loose, dark grey (7.5YR 4/1), clayey silty fine to coarse SAND. (ALLUVIUM)
4	PX 4.00 HX							4	0.86	3.55 4.00			
			65					5					Brownish yellow (10YR 6/8), slightly clayey silty fine to coarse SAND with some subangular fine to medium gravel sized moderately strong rock fragments. (ALLUVIUM)
5 25/04/2005		0.60m at 18:00											
26/04/2005		1.50m at 08:00	0					6	-0.24	5.10			Dark yellowish brown (10YR 3/6), silty fine to medium SAND with much subangular fine to coarse gravel sized moderately strong and strong rock and quartz fragments. (ALLUVIUM)
6								7	-1.34	6.20			
							3,2 2,2,3,3 N=10	8		6.65			Loose to medium dense, yellowish brown (10YR 5/8), sandy subangular fine to medium GRAVEL sized moderately strong rock and quartz fragments. (ALLUVIUM)
7									-2.24	7.10			
			80					T2IOI					Yellowish brown (10YR 5/8), slightly sandy subangular medium to coarse GRAVEL with some cobble sized, moderately decomposed, meta-sandstone and occasional quartz fragments. (ALLUVIUM)
			75							7.60			
8								T2IOI					
			62							8.40			
								T2IOI					
9									-4.14	9.00			
							3,9 11,11,14,18 N=54	9				V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
			30					10	-4.64	9.50		V	
10								11					Extremely weak, dark yellowish brown, dappled grey (10YR 3/6), completely decomposed, meta-CONGLOMERATE / meta-SILTSTONE.

- SMALL DISTURBED SAMPLE
- LARGE DISTURBED SAMPLE
- SPT LINER SAMPLE
- U76 UNDISTURBED SAMPLE
- U100 UNDISTURBED SAMPLE
- MAZIER SAMPLE
- PISTON SAMPLE
- WATER SAMPLE
- PIEZOMETER TIP
- STANDPIPE
- STANDARD PENETRATION TEST
- PERMEABILITY TEST
- IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PACKER TEST

LOGGED **Y.K. Lee**

DATE **27/04/2005**

CHECKED **Tom Lo**

DATE **28/04/2005**

REMARKS

1. Water sample was taken at a depth of 14.15m.

GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.

GROUND INVESTIGATION DEPARTMENT

HOLE NO. **SBF/DH11**

SHEET 2 OF 2

DRILLHOLE RECORD

CONTRACT NO. TC N307

PROJECT **Construction of A Secondary Boundary Fence - Stage 1**

METHOD	**Rotary Cored**	CO-ORDINATES **E 826386.01**	WORKS ORDER NO. **ASD 010414**
MACHINE & NO.	**DR129**	**N 841754.65**	DATE FROM **24/04/2005** TO **26/04/2005**
FLUSHING MEDIUM	**Water**	ORIENTATION **Vertical**	GROUND LEVEL **4.86** mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
	HX							12		10.00		V	(Silty fine SAND with much subangular fine to medium coarse gravel sized moderately strong rock and qartz fragments)
			90					13	-5.74	10.60		V	Extremely weak, yellowish red (5YR 5/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
								14	-6.84	11.70		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
							4,7 9,18,26,40 N93	15		12.15			
	HX 12.60							16	-7.74	12.60		V	Extremely weak, yellowish brown (10YR 5/8), dappled grey, completely decomposed, meta-CONGLOMERATE / meta-SILTSTONE. (Clayey silty fine to medium SAND with much subangular fine to medium gravel sized moderately strong rock and qartz fragments)
			90					17					
								18	-8.84	13.70		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
		0.80m at 18:00					5,8 11,19,29,43 N402	19					
26/04/2005								20 △	-9.29	14.15			Hole completed at 14.15m.
								21					

- SMALL DISTURBED SAMPLE
- LARGE DISTURBED SAMPLE
- SPT LINER SAMPLE
- U76 UNDISTURBED SAMPLE
- U100 UNDISTURBED SAMPLE
- MAZIER SAMPLE
- PISTON SAMPLE
- △ WATER SAMPLE
- ▲ PIEZOMETER TIP
- STANDPIPE
- STANDARD PENETRATION TEST
- PERMEABILITY TEST
- IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PACKER TEST

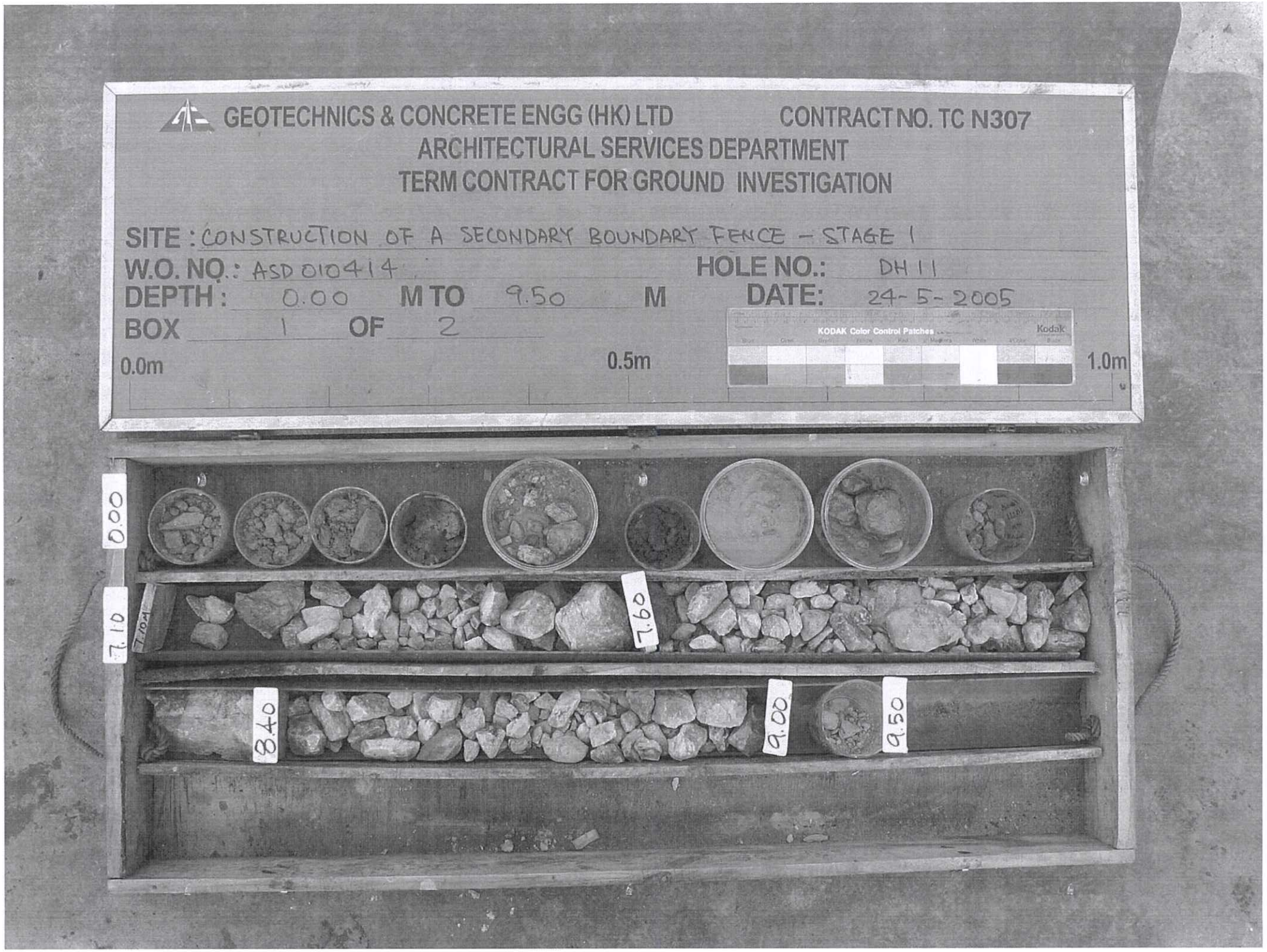
LOGGED **Y.K. Lee**

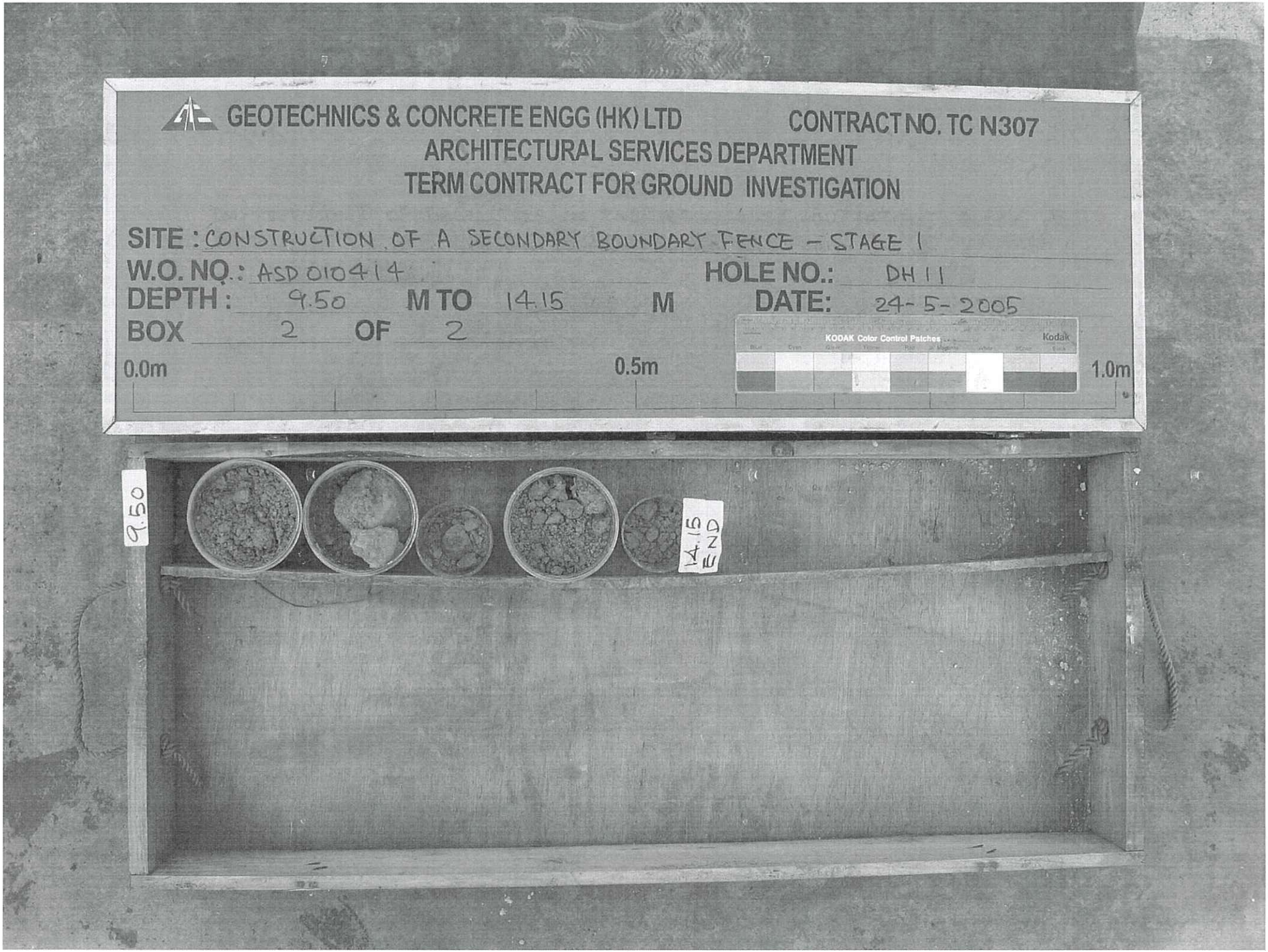
DATE **27/04/2005**

CHECKED **Tom Lo**

DATE **28/04/2005**

REMARKS


GEOTECHNICS & CONCRETE ENGG (HK) LTD
CONTRACT NO. TC N307
ARCHITECTURAL SERVICES DEPARTMENT
TERM CONTRACT FOR GROUND INVESTIGATION
SITE : CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - STAGE 1
W.O. NO. : ASD 010414
HOLE NO. : DH 11
DEPTH : 0.00 M TO 9.50 M
DATE: 24-5-2005
BOX 1 OF 2
0.0m
0.5m
1.0m
KODAK Color Control Patches
Kodak
0.00
7.10
7.60
8.40
9.00
9.50


GEOTECHNICS & CONCRETE ENGG (HK) LTD
CONTRACT NO. TC N307
ARCHITECTURAL SERVICES DEPARTMENT
TERM CONTRACT FOR GROUND INVESTIGATION
SITE : CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - STAGE 1
W.O. NO. : ASD 010414
HOLE NO. : DH 11
DEPTH : 9.50 M TO 14.15 M
DATE : 24-5-2005
BOX 2 OF 2
0.0m
0.5m
1.0m
KODAK Color Control Patches
Kodak
9.50
14.15
END

Samples & Test	Depth (m)	Sketch	Depth (m)	Legend	Description	Grade
	0.5	F1	0.5	F1	Stiff, dry, yellowish brown (10YR 5/8), dappled grey and light yellow, sandy clayey SILT with some angular to subangular fine to coarse gravel and occasional cobble sized moderately decomposed and moderately decomposed siltstone fragments. Some rootlets. (FILL)	
	1.0	F2	1.0	F2	Stiff, moist, reddish brown (5YR 5/4), dappled dark purplish red and yellow, sandy clayey SILT with much angular to subangular fine to coarse gravel, some cobble and occasional boulder sized moderately decomposed siltstone fragments occasional rootlets. (FILL)	
	1.5	MD	1.65	MD	Moderately strong, brownish to greenish grey moderately decomposed METASILTSTONE. Joints are closely spaced, rough and smooth planar, extremely narrow, iron and manganese oxide stained. Silt infilled (<1 mm thick), dipping at 20° to 30, 30° to 40° and 70° to 80°. Trial pit was terminated at a depth of 2.00m.	III
	2.0	① Steel pipe of diameter 40mm. ② P.V.C pipe of diameter 80mm. ③ P.V.C pipe of diameter 120mm. ④ Boulder of moderately decomposed meta-siltstone 0.15m x 0.24m in size. J1 : 304°/32°. J2 : 341°/21°. J3 : 332°/74°.	2.0			
	2.5		2.5			
	3.0		3.0			
	3.5		3.5			
	4.0		4.0			
	4.5		4.5			
	5.0		5.0			
	5.5		5.5			
	6.0	FACE A: 1.40 m FACE B: 1.40 m FACE C: 1.40 m FACE D: 1.40 m	6.0			

Notes :

1. Small disturbed samples were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m.
2. Large disturbed sample was taken at a depth of 0.50m.
3. Undisturbed horizontal samples (U100) were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m.
4. Insitu density tests were carried out at the depths of 0.50m, 1.00m, 1.50m and 2.00m.

SYMBOLS

- Small Disturbed Sample
- Large Disturbed Sample
- Undisturbed Vertical Sample
- Undisturbed Horizontal Sample
- Block Sample
- Insitu Density Test
- Water Sample
- Water Seepage

REMARKS

Ground Water
Nil

Plant Used
Hand dug

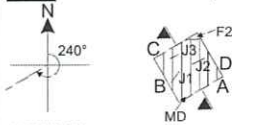
Shoring
Timber shoring over full height

Stability
Stable

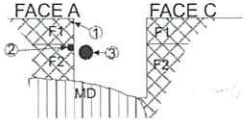
Depth at pit centre
2.00m

Others
Nil

PLAN (not to scale)



SECTION



Contract No. :	TC N307	
Works Order No.	: ASD 010414	
Co-ordinates	:	
E 826873.76	N 842137.33	
Ground Level	: 6.44	mPD
Logged by	: Y.K. Lee	
Date logged	: 13/04/2005	
Checked by	: Tom Lo	
Date Checked	: 14/04/2005	

PROJECT

Construction of A Secondary Boundary Fence - Stage 1

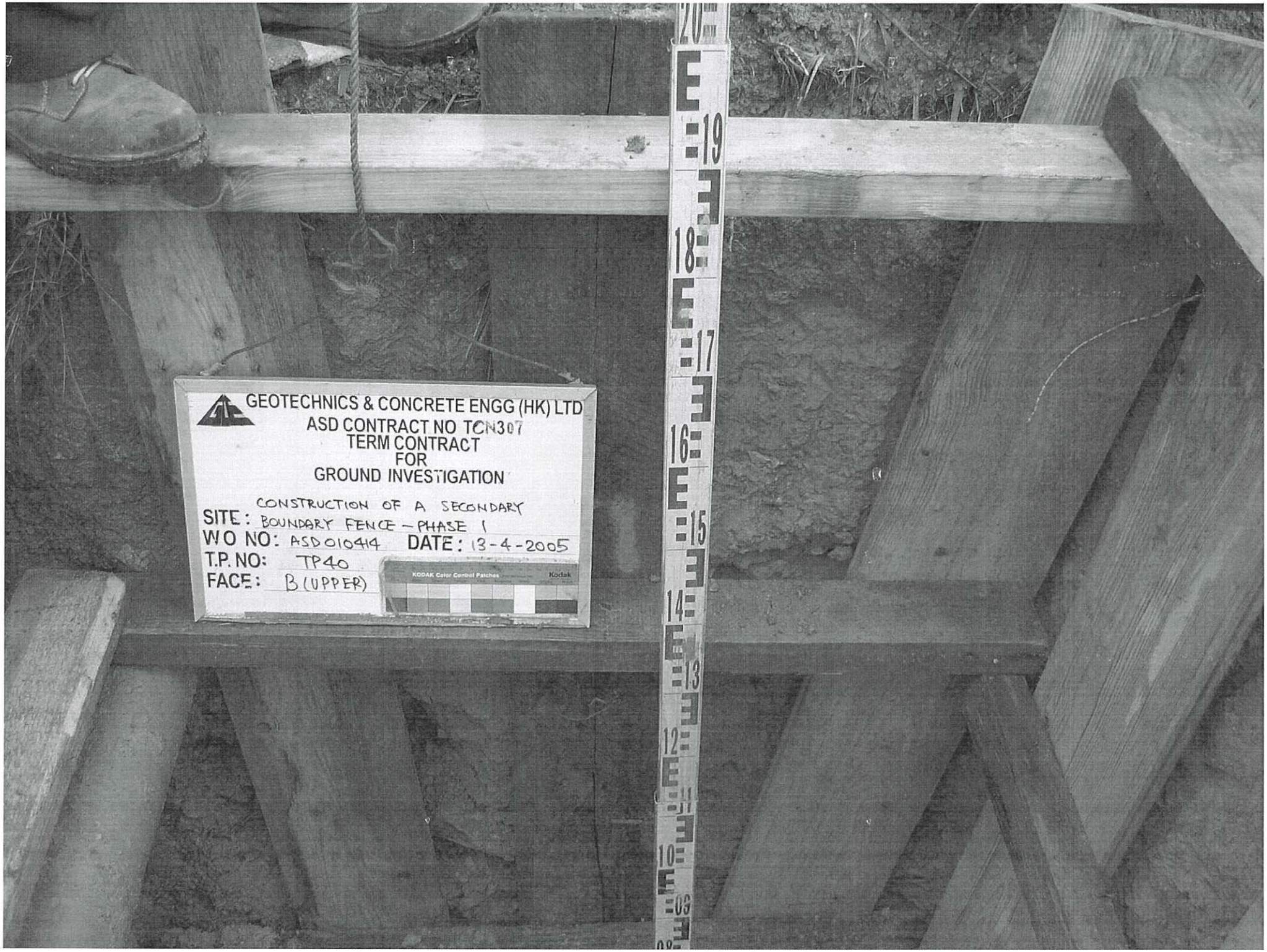
Sheet	1	of	1	
Date excavated	12/04/2005	to	12/04/2005	
Date Reinstated	16/04/2005	to	16/04/2005	

TRIAL PIT NO.
SBF/TP40

GEOTECHNICS & CONCRETE ENGG. (HONG KONG) LIMITED
GROUND INVESTIGATION DEPARTMENT


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
SITE: CONSTRUCTION OF A SECONDARY BOUNDARY FENCE – PHASE 1
W.O NO: ASD010414
DATE: 13-4-2005
T.P. NO: TP40
FACE: A (UPPER)


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE - PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: A (LOWER)
KODAK Color Control Patches


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: B (UPPER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
WO NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: B (LOWER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W.O NO: ASD010414
DATE: 13-4-2005
T.P. NO: TP40
FACE: C (UPPER)
KODAK Color Control Patches
Kodak
22
21
20
19
18
17
16
15
14
13
12
11


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: C (LOWER)


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
WO NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: D (LOWER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
WO NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: D (UPPER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
SITE: CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - PHASE 1
W.O. NO: ASD010414
T.P. NO: TP40
FACE: BOTTOM
DATE: 18-4-2005

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 1 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
5/11	P		60								0.00				
				75							1.00		XW		Medium dense, yellowish brown and brown, slightly silty fine SAND, relict texture (Extremely weathered SANDSTONE)
										51.19	2.00				
				100							3.00		XW to DW		Very dense to weak, brown and reddish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
	4.53 P										4.00				
	H									48.66	4.53				
				70	0	0	*				5.00		DW mino XW to DW		Moderately weak to moderately strong, light grey and reddish brown, distinctly weathered SANDSTONE with layers of extremely to distinctly weathered SANDSTONE
				100	28	11	6				5.30				
										47.29	5.90				
											6.45		DW		Moderately strong, reddish brown and white, distinctly weathered SANDSTONE, joints are irregular, mainly closely spaced, dip sub-horizontally
				98	54	33	4		T2		7.00				
										45.74	7.45				
				94	82	42	5				8.00		DW to SW		Moderately strong to strong, light grey and white, distinctly to slightly weathered fine SANDSTONE, joints are closely spaced, planner with limonite staining
											8.45				
				100	0	0	*				9.00				
										43.99	9.20				
											9.45		DW		See sheet 2 of 5
5/11	H		40	65	0	0	*				10.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED

DATE 18.11.86

REMARKS

1. * : Cannot be determined
2. NR : No Recovery

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 2 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
5/11	H		40								10.00				
											10.35				Moderately strong, pale brown and brownish grey, fine to medium grained, distinctly weathered quartzitic SANDSTONE, a layer of fine sandy silt at 10.35m to 10.65m, minor schistorcity at 10.65m to 12.80m, joints are very closely spaced to shattered, rock with abundant incipient joints
				40	12	0	*				11.00				
											11.35				
									T2				DW		
				19	0	0	*				12.00				
										40.34	12.85				
				NR							13.00	× ×	XW/		Layer of brown, silty SAND (Extremely to distinctly weathered SANDSTONE)
				NR						39.99	13.20	× ×	DW		
				40	9	0	*		T2		14.00				
											14.70				
				NR							15.00				Strong to very strong, light grey fine grained, distinctly to slightly weathered SANDSTONE, thin layers of soil at 15.00m to 15.45m and 16.00m to 16.22m, rocks are under minor metamorphism
				NR							15.15				
				62	9	0	*		T2				DW to SW		
				NR							16.00				
		11.20m at									16.22				
	16.72			70	0	0	*								
5/11	H	19:00									16.72				
6/11	N	13.25m at 7:00		90	82	11	*			35.79	17.00				
											17.40				
											17.72		DW to SW		Strong, light grey and white, medium grained, distinctly to slightly weathered quartzitic SANDSTONE, joints are planner and closely spaced some recrystallized quartz crystal
		10.80m at		100	53	0	*		T2	34.99	18.00				
											18.20				
6/11		19:00								34.57	18.62	× ×	XW		
7/11		16.20m at 7:00		90	53	0	*				19.00		DW to SW		Layer of red, reddish brown, silty fine SAND (Extremely weathered fine SANDSTONE)
											19.72				See sheet 3 of 5
7/11	N		40								20.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P.S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED

DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75
HOLE NO. BH5
SHEET 3 of 5
DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
7/11	N		40	100	92	0	*				20.00				
											20.70		DW to SW		Moderately strong to strong, white and light grey, fine to medium grained, distinctly to slightly weathered quartzitic SANDSTONE, joints are closely spaced, minor limonite, rocks are rich in incipient joints, sheared joints at 19.45m to 19.50m
				94	55	21	*				21.00				
									T2	31.54	21.65				
				100	95	44	*				22.00				
											22.65				
		12.30m at 19:00		100	100	27	*				23.00				
7/11											23.32				
8/11		21.65m at 7:00		65	0	0	*				23.80				
	24.50 N			42	10	0	*				24.00				
											24.50				
				59	25	0	*				25.00				Strong, light grey and white, fine to medium grained, slightly weathered quartzitic SANDSTONE, joints are closely to moderately spaced from 21.70m to 23.20m, closely spaced from 23.20m to 37.00m, joints are irregular, rough with iron staining, dip mainly 25°, 65° and sub-vertically, minor joint fault zone at 28.50m to 28.90m some recrystallized quartz crystal
				100	45	0	*				25.32				
											25.65				
				98	58	28	*				26.00		SW		
											26.32				
				100	85	0	*		TNW		26.85				
				57	63	0	*				27.00				
											27.45				
				55	0	0	*				28.00				
		18.10m at 19:00													
8/11											28.95				
10/11		26.30m at 7:00		92	0	0	*								
10/11			40								30.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P.S. Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok
DATE 12.11.86
CHECKED
DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 4 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
10/11			40								30.00				
											30.45				
				73	77	55	*				31.05				
				93	79	10	*				32.00				
											32.25				
				98	45	0	*				33.00				Strong, light grey and white, fine to medium grained, slightly weathered quartzitic SANDSTONE, joints are closely to moderately spaced from 21.70m to 23.20m, closely spaced from 23.20m to 37.00m, joints are irregular, rough with iron staining, dip mainly 25°, 65° and sub-vertically, minor joint fault zone at 28.50m to 28.90m some recrystallized quartz crystal
											33.50				
				91	86	0	*				34.00				
											34.60				
				80	79	0	*		TNW		35.00				
											35.80				
				100	100	40	5				36.00				
10/11		18.20m at 19:00									36.85				
11/11		26.25m at 7:00								16.19	37.00				
				82	69	0	*				37.53		DW & DW to SW		Moderately strong, yellowish brown, fine to medium grained, distinctly weathered and distinctly to slightly weathered SANDSTONE some thin layers of weathered soil minor schistorcity rocks are under low-graded metamorphism
				68	36	0	*				38.00				
											38.23				
				52	0	0	*			14.19	39.00				
				100	40	18	*				39.70		SW		See sheet 5 of 5
11/11			40								40.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P.S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED

DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

Lam Geotechnics Limited

W.O. NO. PW7/2/16.75
HOLE NO. BH5
SHEET 5 of 5
DATE from 5.11.86 to 11.11.86

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

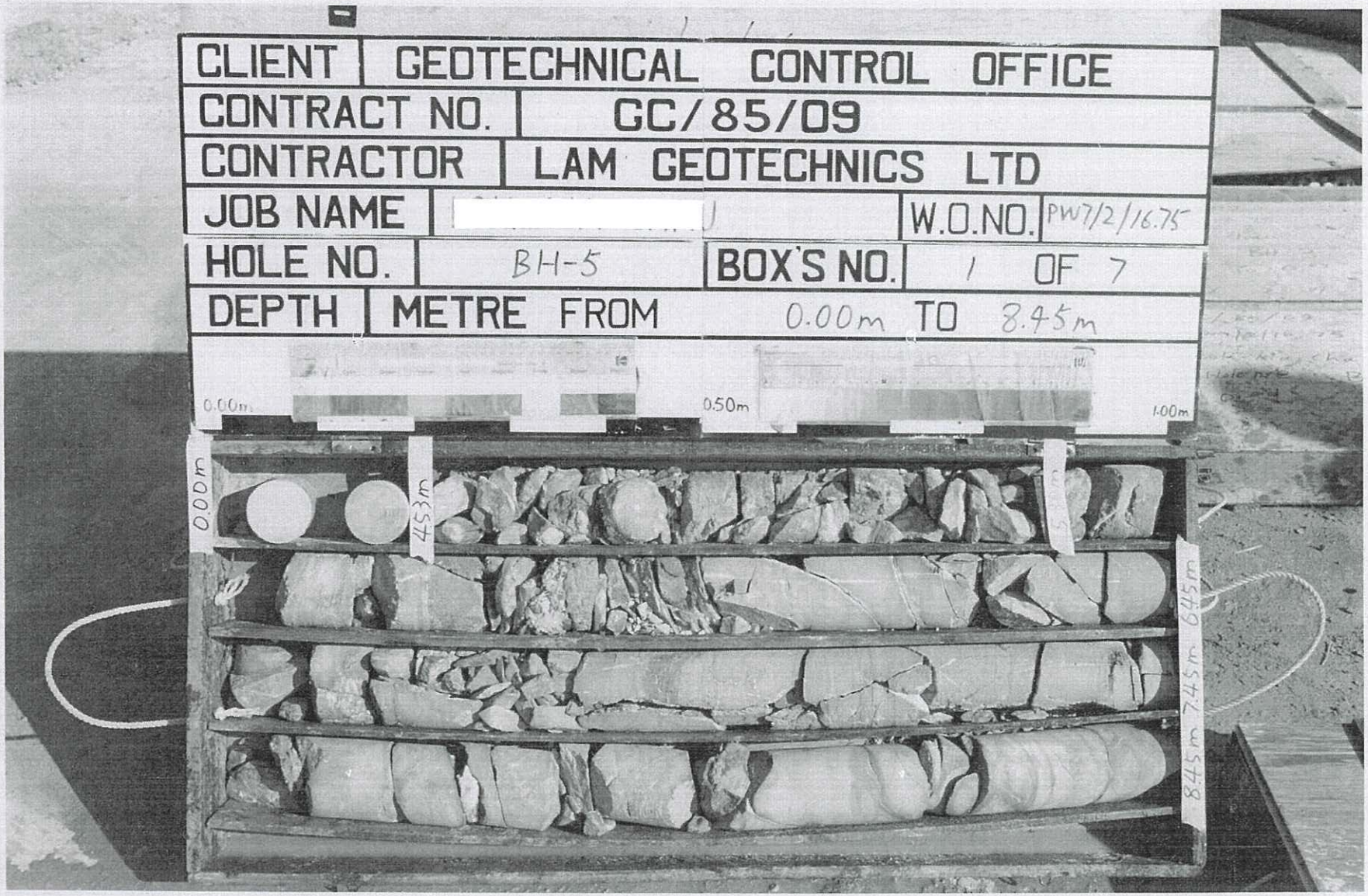
METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

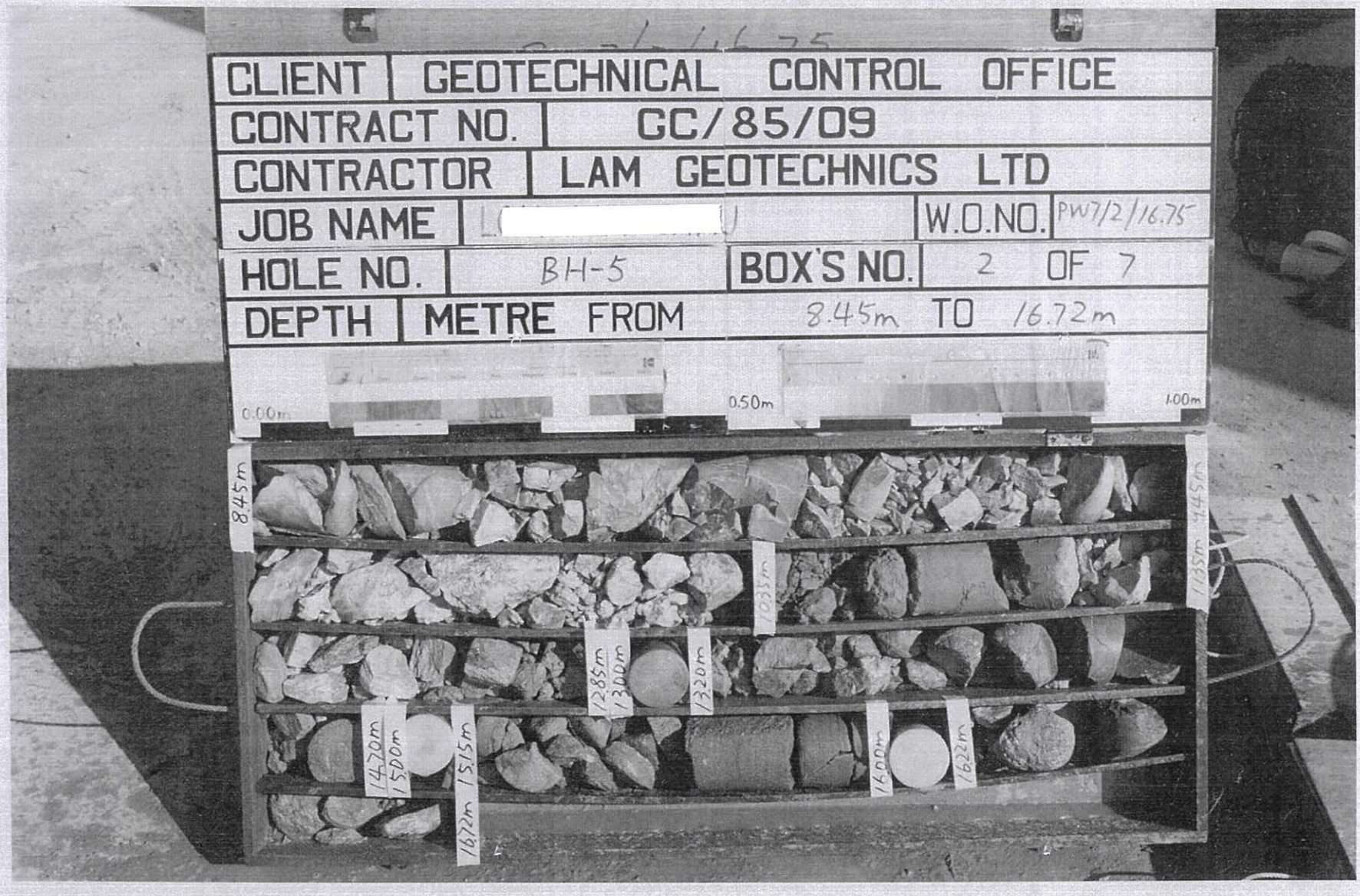
Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
11/11			40	100	73	14	*		TNW		40.00				Strong, light grey, fine to medium grained, slightly weathered SANDSTONE, joints are mainly planner, closely spaced, dip at 15°–25°, rocks with minor limonite staining, and abundant incipient joints
											40.95		SW		
				76	68	0	*			11.69	41.50				
										11.19	42.00		XW/ DW		Very dense to very weak, brown and greyish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
				90	85	0	*				42.20				
											43.00				Moderately strong to strong, light grey and brownish grey, distinctly to slightly weathered SANDSTONE, joints are closely to moderately spaced, mainly planner, dip sub-vertically, joint planner with limonite staining
				100	82	31	*				43.30				
											44.00		DW to SW		
											44.30				
		18.90m at 19:00		93	79	21	*				45.10				
11/11			40							8.09					End of investigation hole at 45.10m
											46.00				
											47.00				
											48.00				
											49.00				
											50.00				

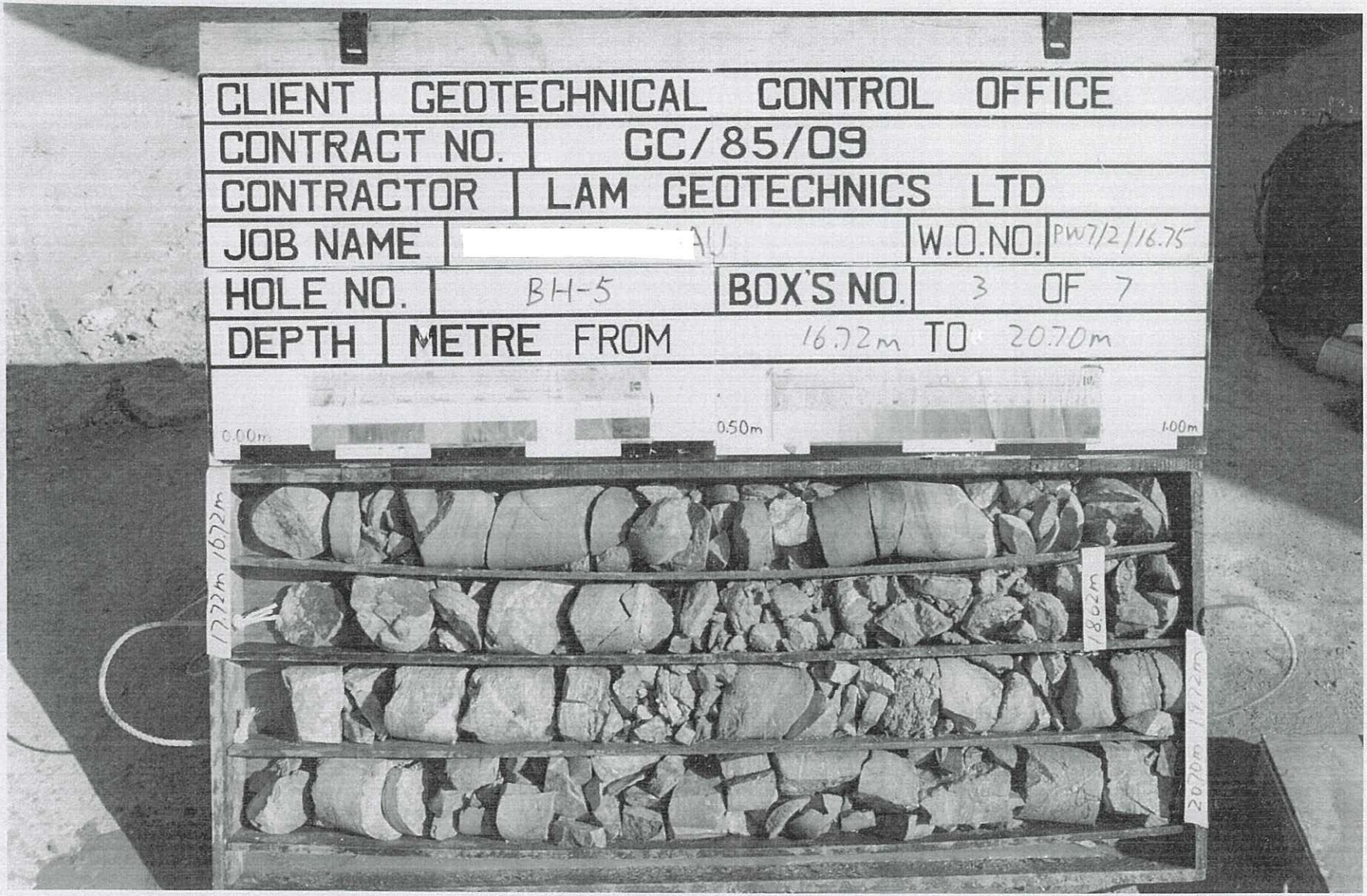
- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P-S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

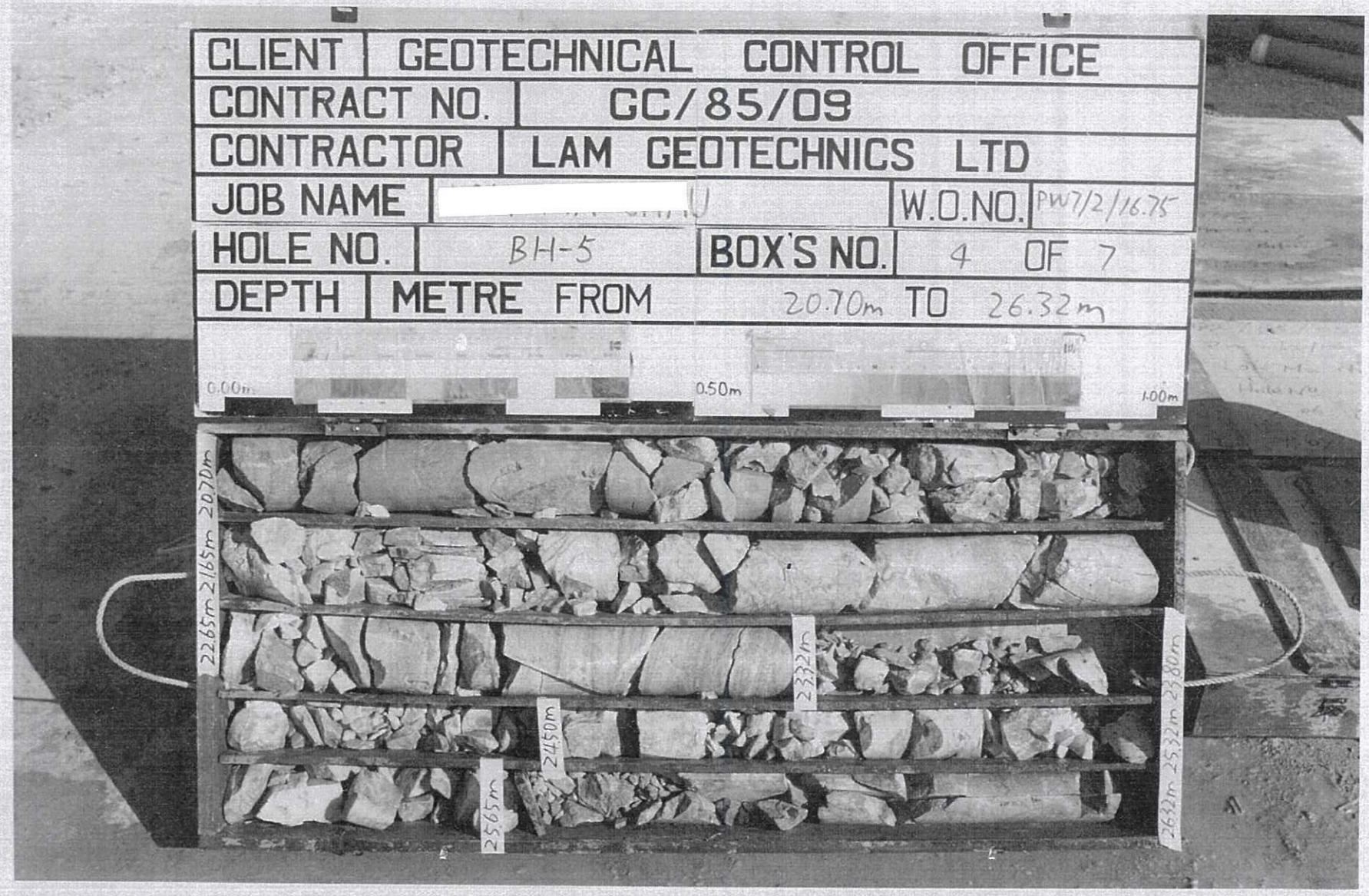
LOGGED K.Y.Kwok
DATE 12.11.86
CHECKED
DATE 18.11.86

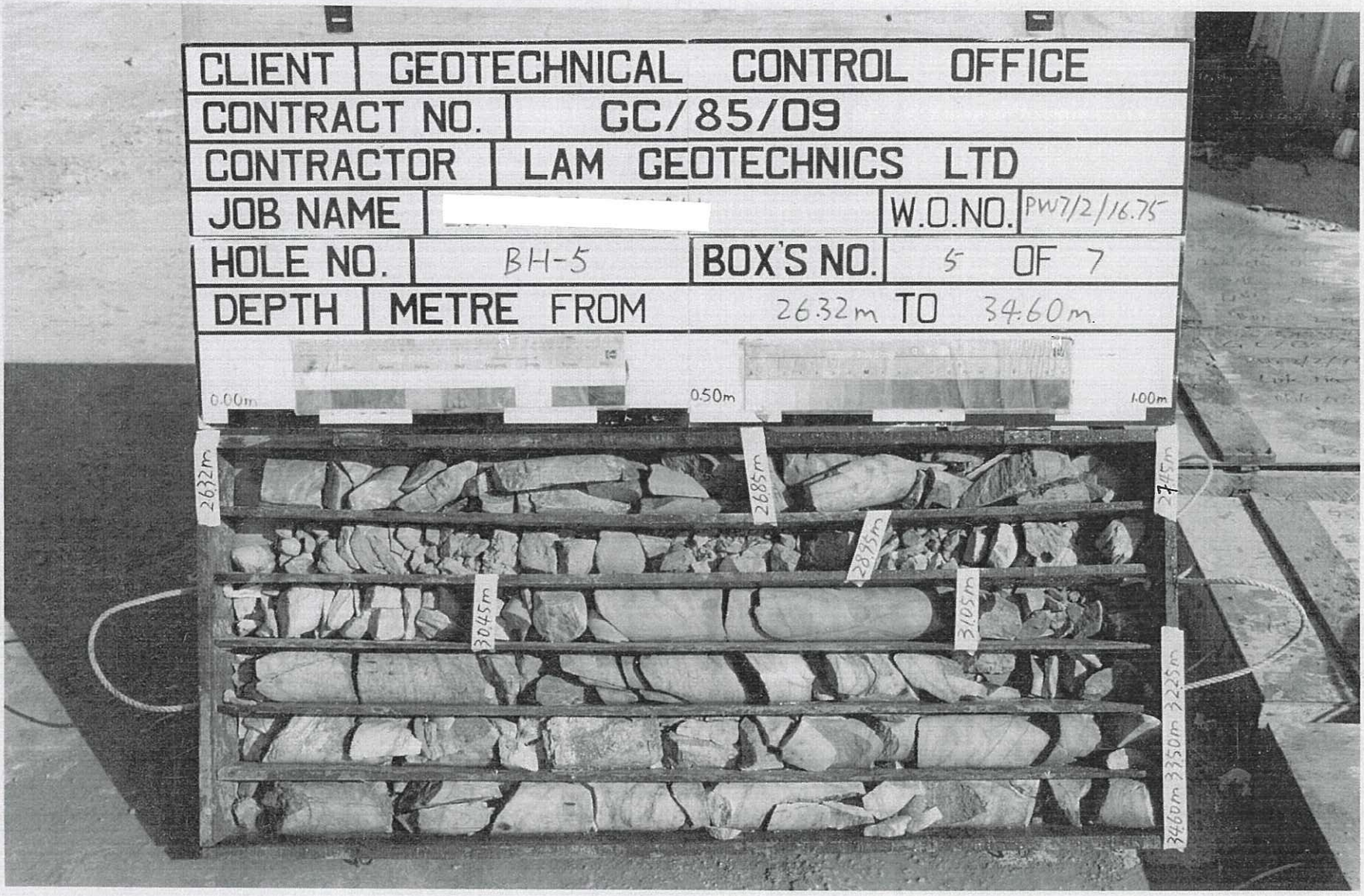
REMARKS

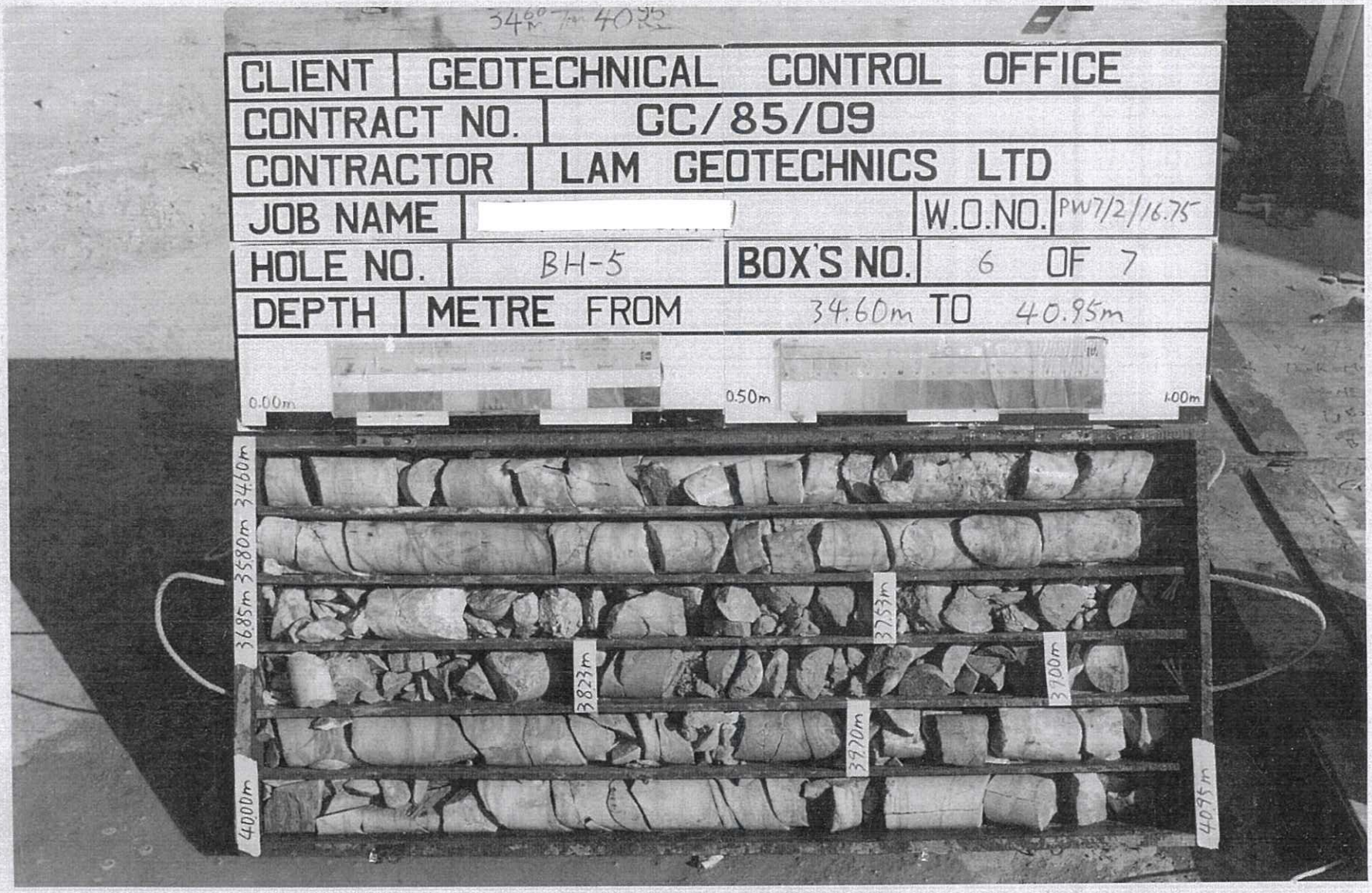

CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 1 OF 7
DEPTH METRE FROM 0.00m TO 8.45m
0.00m
0.50m
1.00m
0.00m
4.53m
8.45m

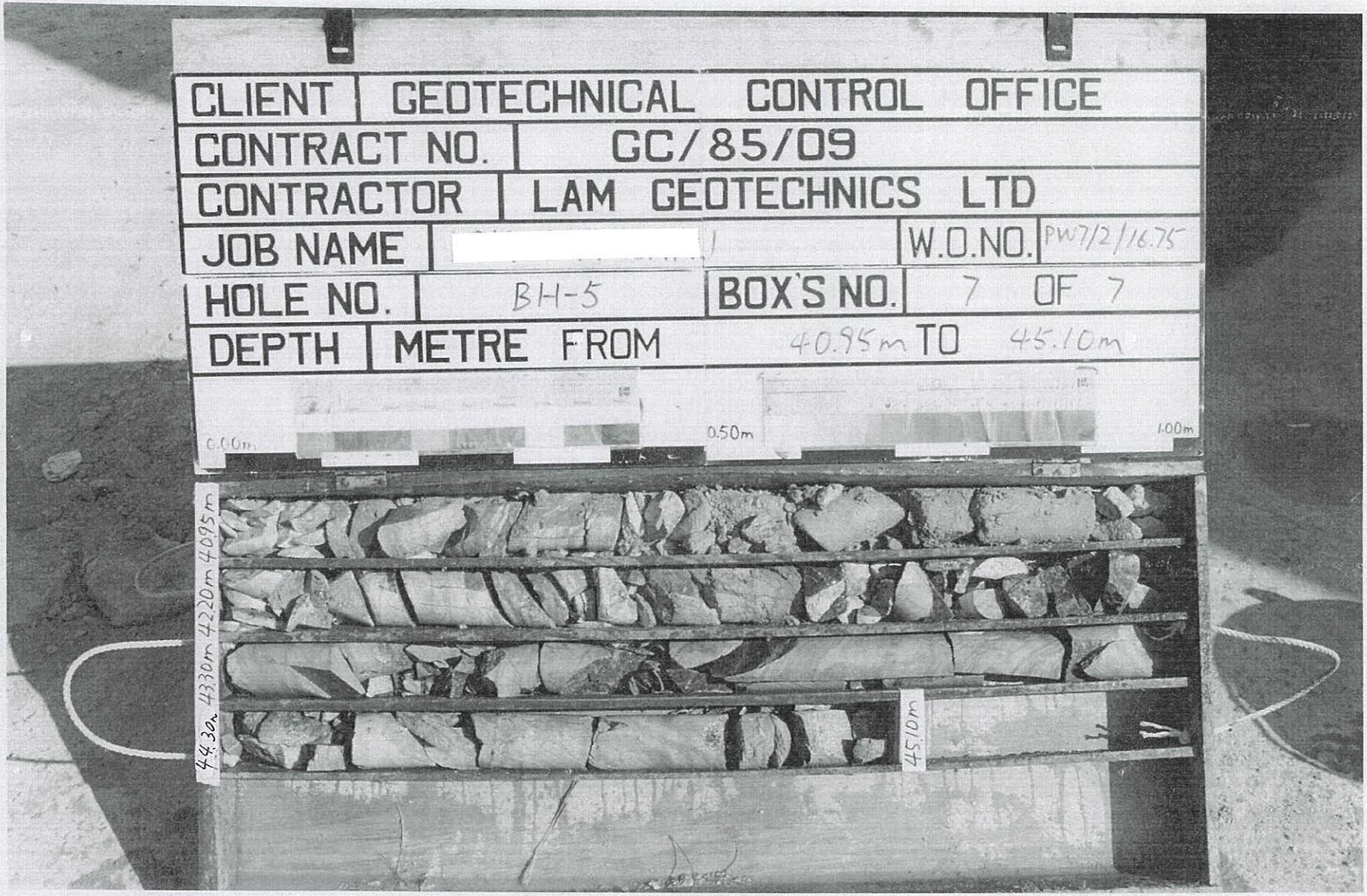

CLIENT | GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. | GC/85/09
CONTRACTOR | LAM GEOTECHNICS LTD
JOB NAME | [redacted] | W.O.NO. | PW7/2/16.75
HOLE NO. | BH-5 | BOX'S NO. | 2 OF 7
DEPTH | METRE FROM | 8.45m TO 16.72m
0.00m
0.50m
1.00m
8.45m
9.35m
12.85m
13.00m
13.20m
14.00m
14.20m
15.00m
15.15m
16.22m
16.72m

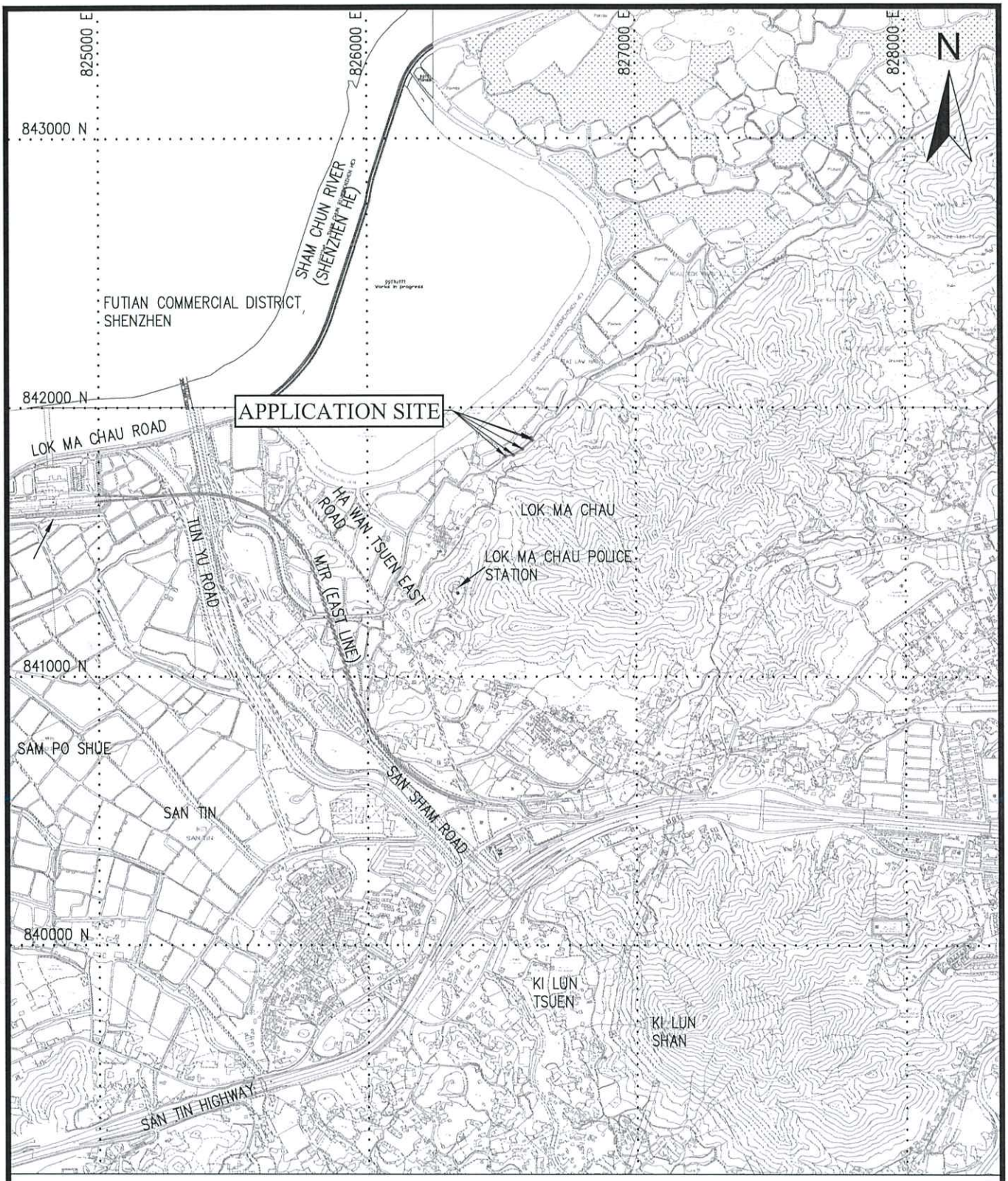

CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME [redacted] W.O.NO. PW7/2/16.75
HOLE NO. BH-5 BOX'S NO. 3 OF 7
DEPTH METRE FROM 16.72m TO 20.70m
0.00m
0.50m
1.00m
16.72m
18.02m
20.70m


CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 4 OF 7
DEPTH METRE FROM 20.70m TO 26.32m
0.00m
0.50m
1.00m
2265m 2165m 2070m
2332m
2450m
2565m
2632m 2532m 2380m


CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 5 OF 7
DEPTH METRE FROM 26.32m TO 34.60m.
0.00m
0.50m
1.00m
2632m
2685m
2745m
2885m
3045m
3105m
3225m
3460m
3350m


34.60m To 40.95m
CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 6 OF 7
DEPTH METRE FROM 34.60m TO 40.95m
0.00m
0.50m
1.00m
3685m
3580m
3460m
3823m
3753m
3700m
3970m
4000m
4095m


CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 7 OF 7
DEPTH METRE FROM 40.95m TO 45.10m
0.00m
0.50m
1.00m
44.30m 43.30m 42.20m 40.95m
45.10m



LEGEND:

- CLP LOW VOLTAGE POLES (SUBJECT OF THIS APPLICATION)
- CLP LOW VOLTAGE OVERHEAD LINE CABLE

Checked by :

Drawn by :

Compiled by :

FUGRO

Project

GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title

LOCATION PLAN

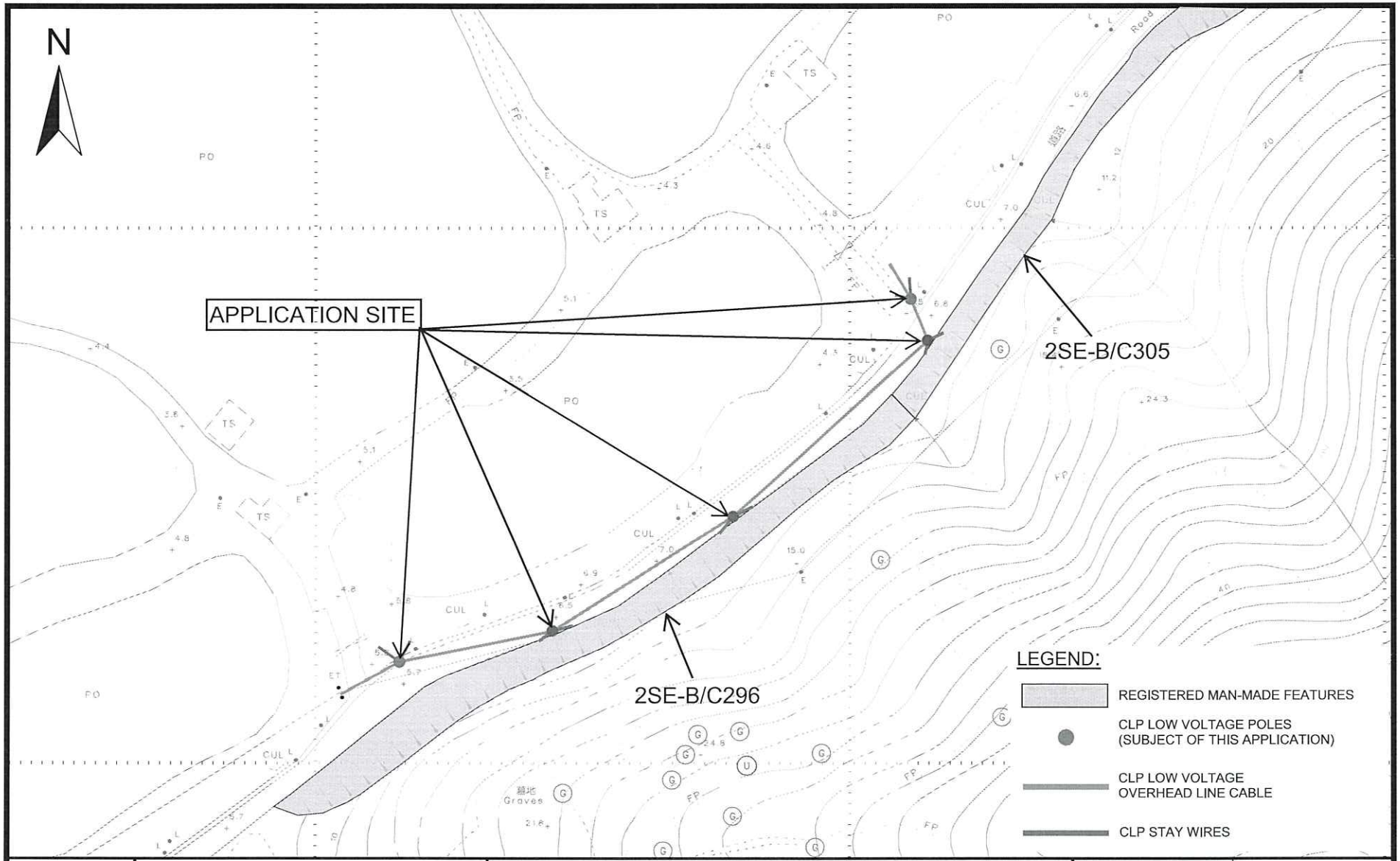
Job No.	Figure No.	Scale	Date
190011.051	1	1:20000	JUL-2022

CAD Reference : X:\WORKING\190011_051\GENERAL PLANNING REVIEW REPORT\190011.051_FIG01 (P01) (GPRR).DWG Date & Time : 27-07-22 (1:39:06PM) Plotted By : L.NGAN

Compiled by :

Drawn by :

Checked by :



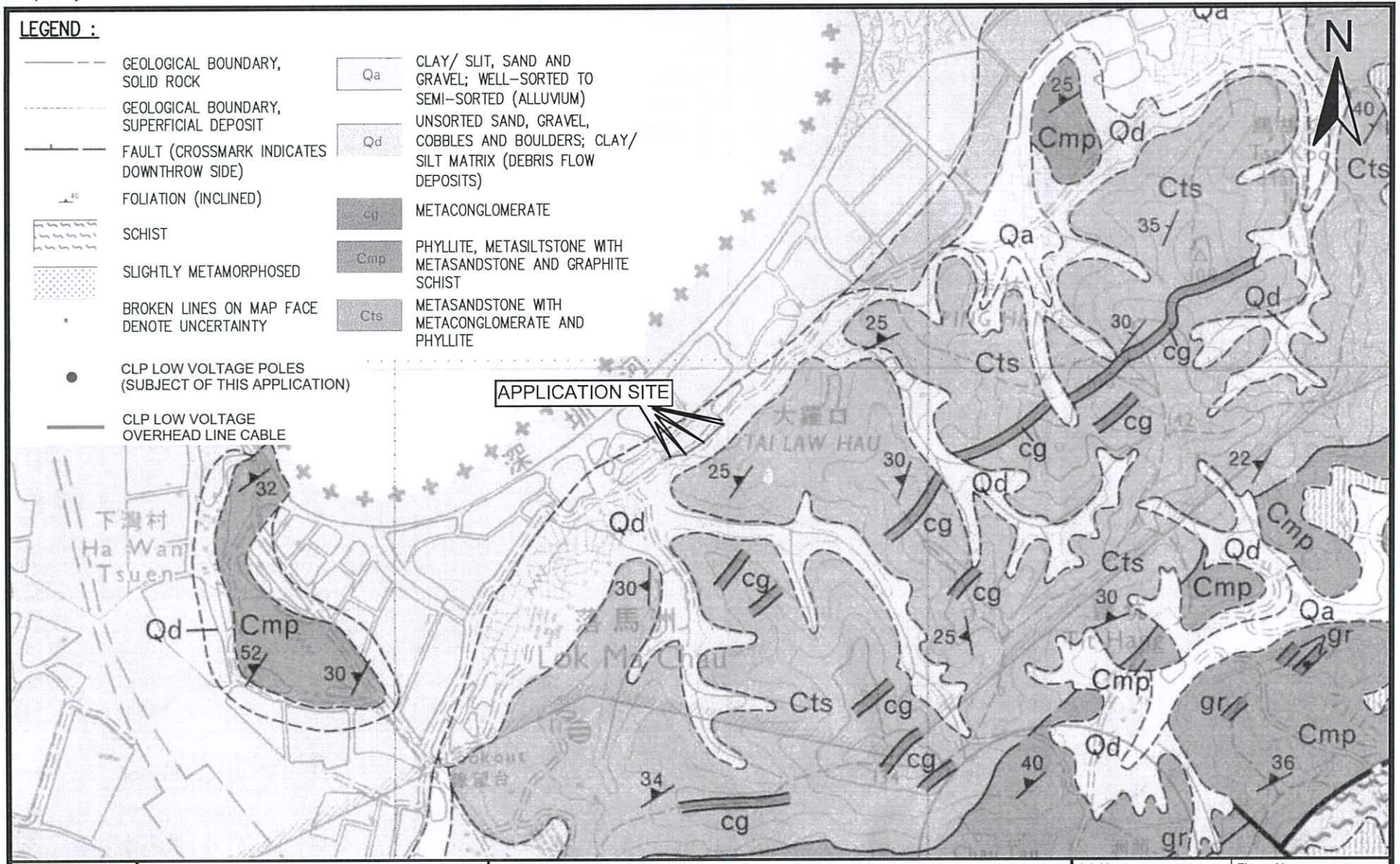
FUGRO	Project: GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG	Drawing Title: SITE PLAN	Job No.: 190011.051	Figure No.: 2
			Scale: 1 : 1000	Date: JUL-2022

CAD Reference : X:\WORKING\190011_051\GENERAL PLANNING REVIEW REPORT\190011.051_FIG02 (P02) (GPRR).DWG Date & Time : 27-07-22 (11:34:09AM) Plotted By : L.NGAN

Compiled by :

Drawn by :

Checked by :

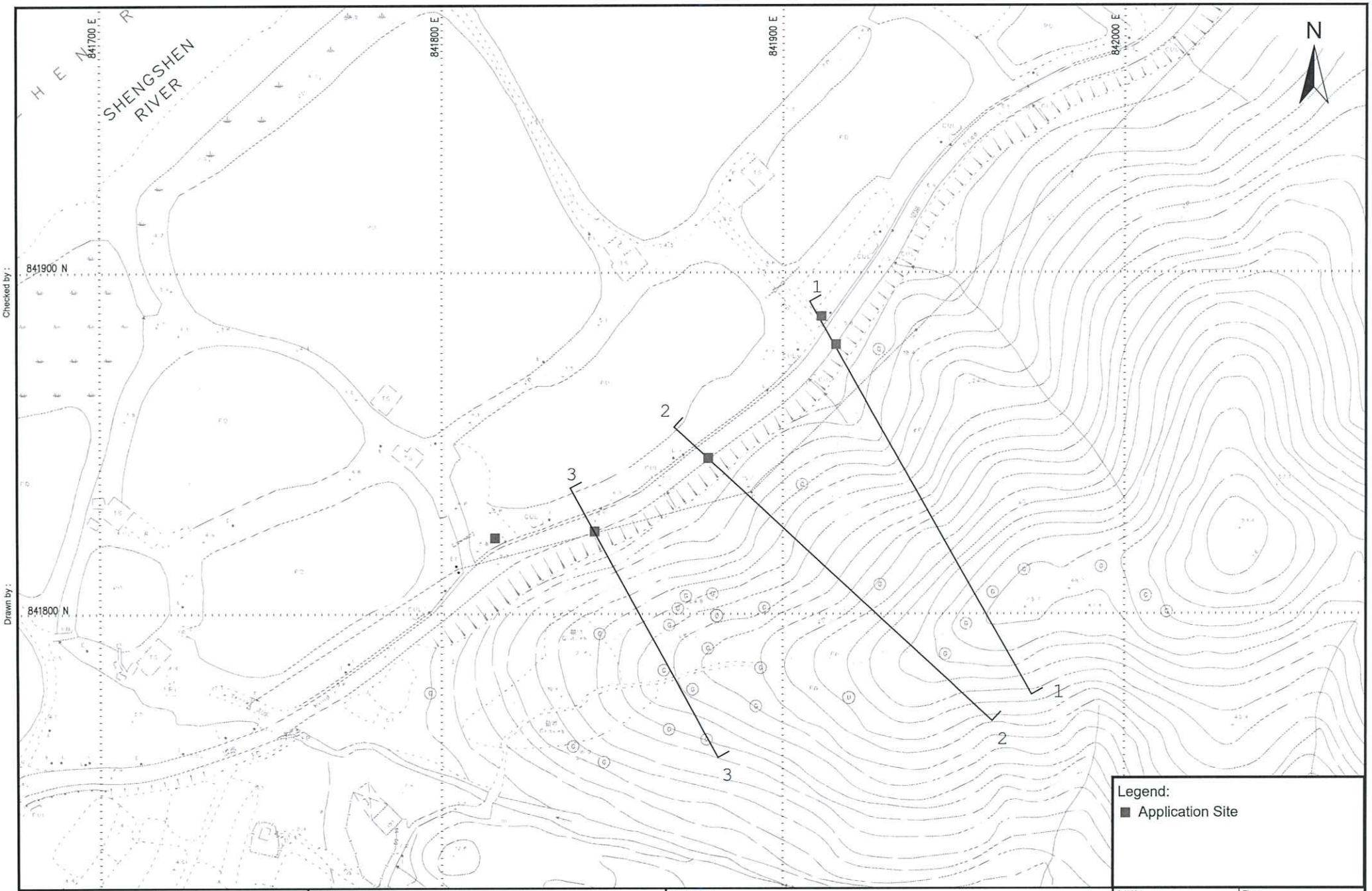


FUGRO	Project: GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG	Drawing Title: REGIONAL GEOLOGICAL MAP H.K. Geological Survey, Series HGM20, Sheet 02, 1988 Edition	Job No.: 190011.051 Scale: 1 : 10000	Figure No.: 3 Date: JUL-2022

CAD Reference : X:\WORKING\190011_051\GENERAL PLANNING REVIEW REPORT\190011.051_FIG03 (P01) (GPRR).DWG Date & Time : 27-07-22 (11:31:46AM) Plotted By : L.NGAN

Appendix A

Assessment of Natural Terrain Hazard



Checked by :

Drawn by :

Compiled by :

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New Territories, Hong Kong. Tel : 2577 9023

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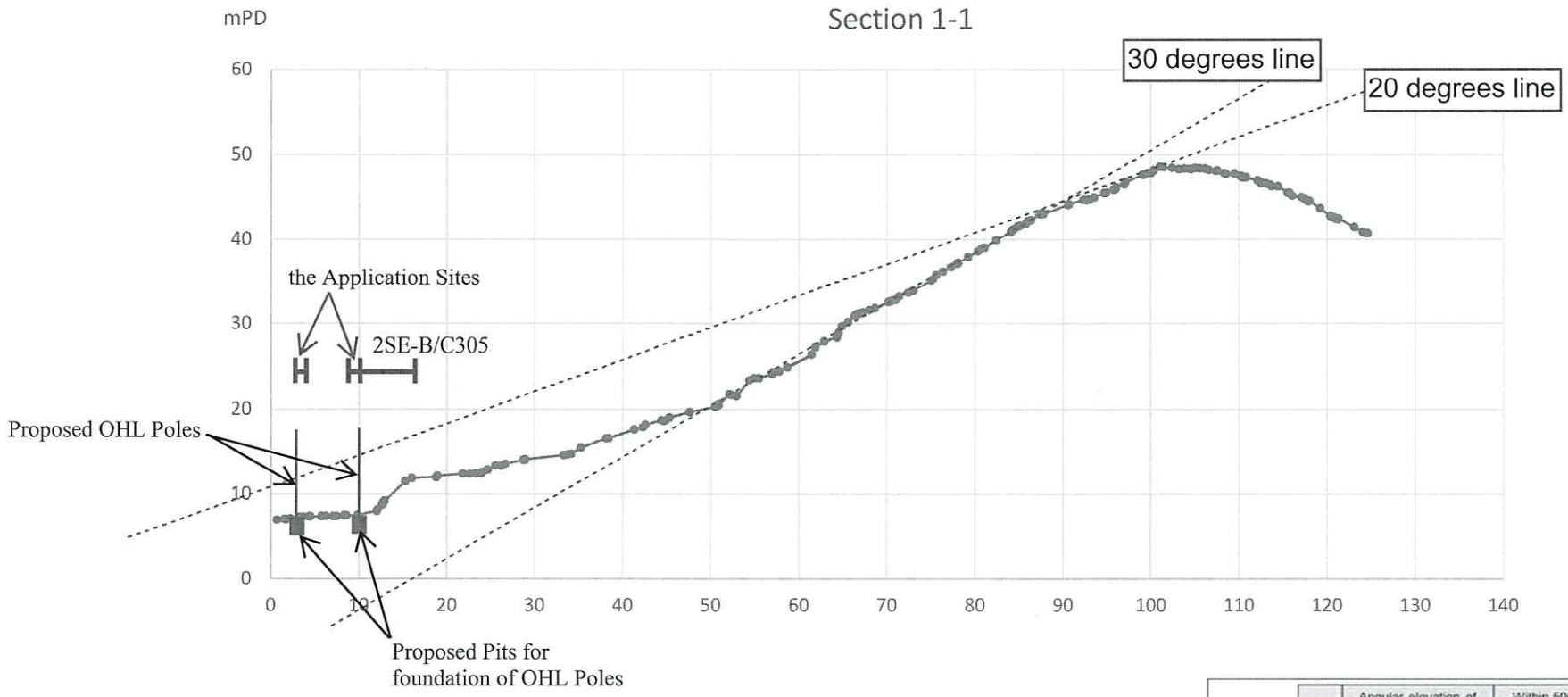
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title
Natural Terrain Plan

Job No.	Figure
B190011.051	-/-
Scale	Date
1:1000	JUL-2022

CAD Reference : C:\USERS\L_NGAN\DOCUMENTS\190011_051-GPRR-2022-07-21-HS\190011.051_FIG02 (P01) (GPRR).DWG Date & Time : 21-07-22 (4:35:20PM) Plotted By : L.NGAN

Comparing Figure 2.5 and Section 1, the site for proposed OHL Pole meets alert criteria of natural terrain hazard.



Site	Angular elevation of natural terrain ≥20°	Within 50m of ground sloping at >15°	Alert Criteria met?
A	Yes	Yes	Yes
B	Yes	No	No

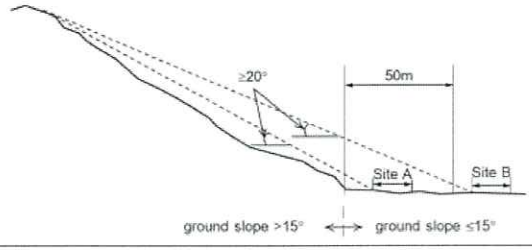
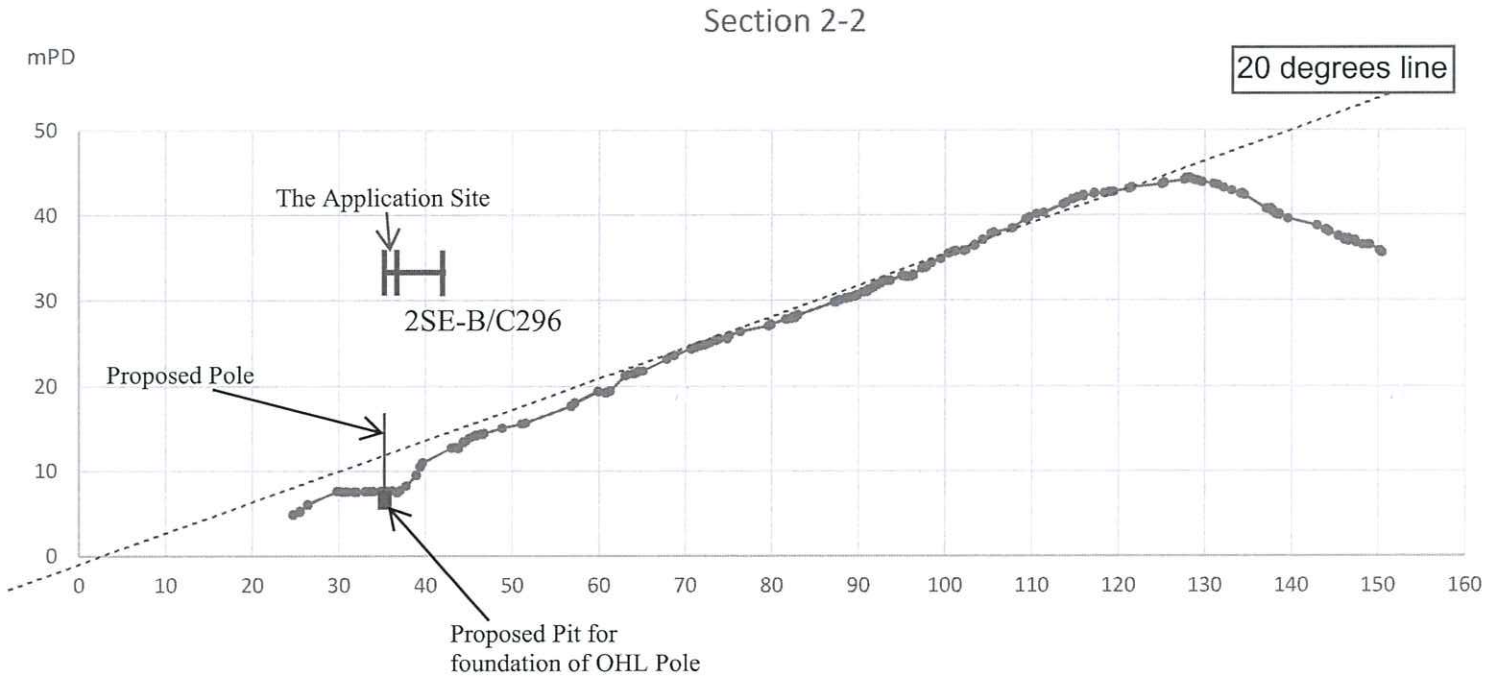


Figure 2.5 Application of Alert Criteria

Comparing Figure 2.5 and Section 2, the site for proposed OHL Pole meets alert criteria of natural terrain hazard.



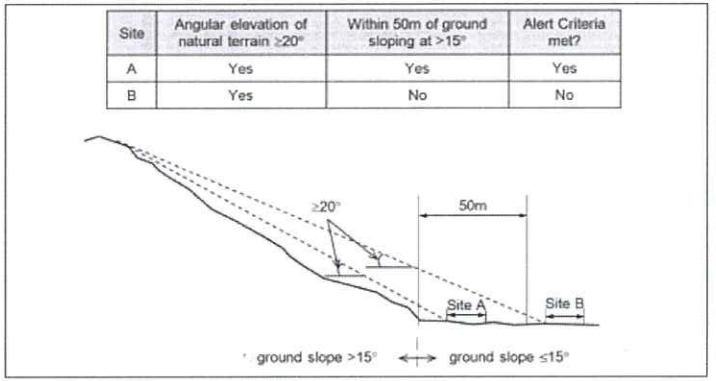
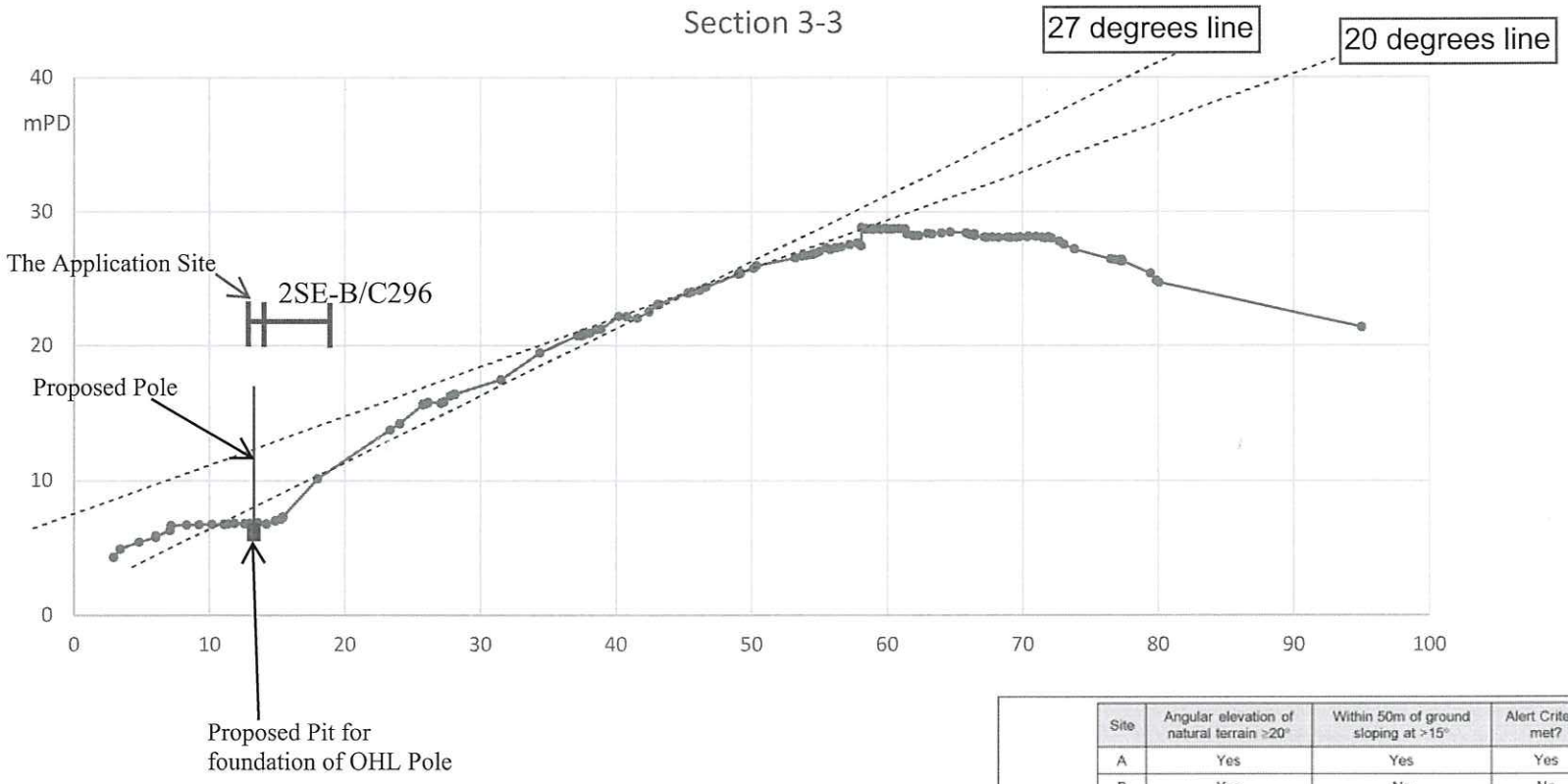


Figure 2.5 Application of Alert Criteria

Comparing Figure 2.5 and Section 3, the site for proposed OHL Pole meets alert criteria of natural terrain hazard.



Site	Angular elevation of natural terrain ≥20°	Within 50m of ground sloping at >15°	Alert Criteria met?
A	Yes	Yes	Yes
B	Yes	No	No

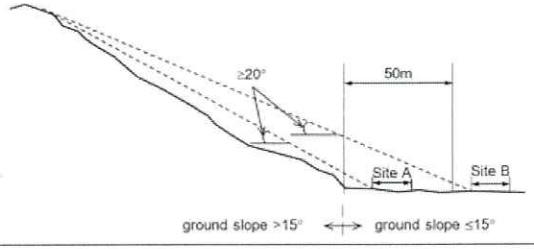
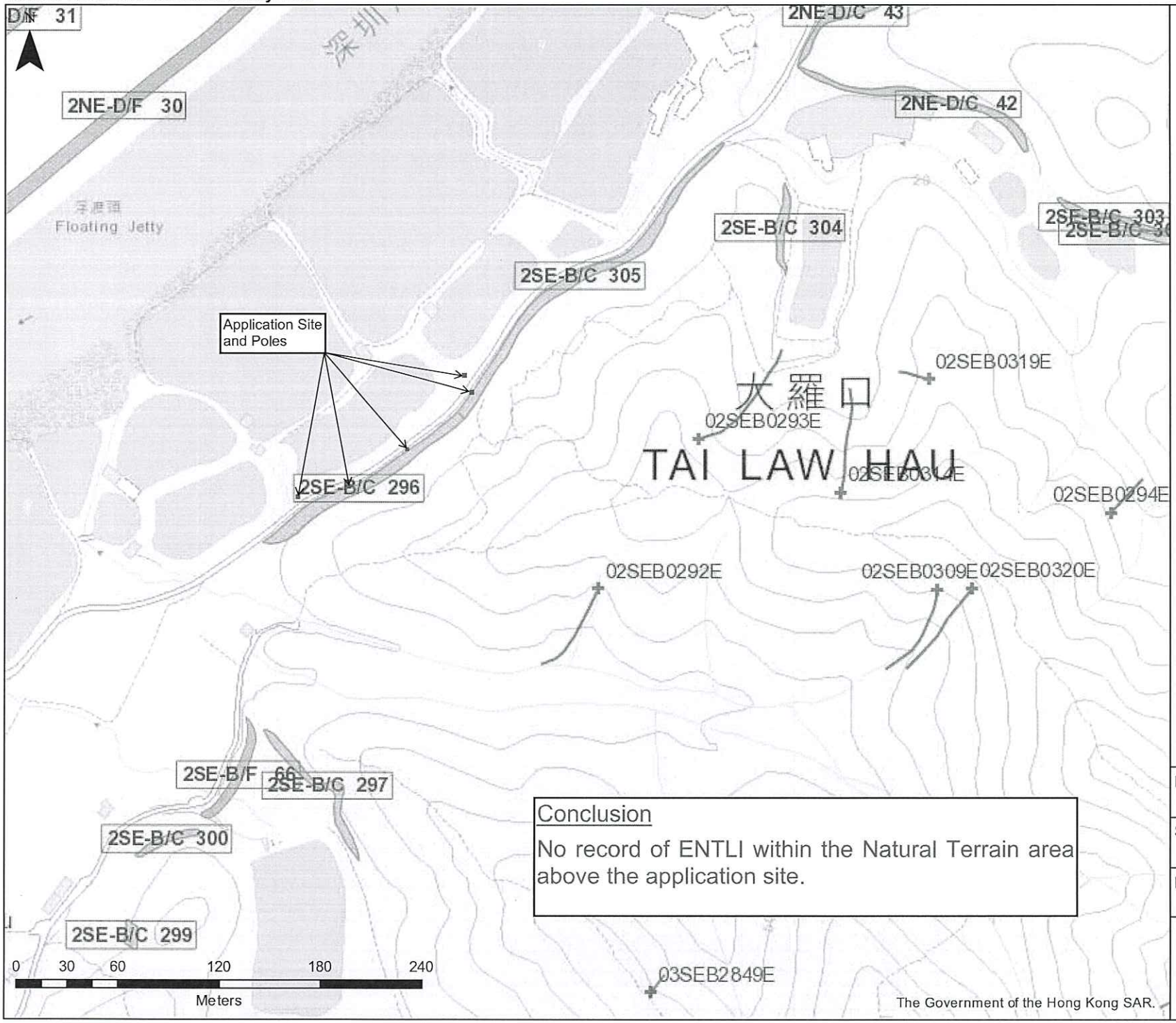


Figure 2.5 Application of Alert Criteria

Appendix A(Cont'd)

Inventory Plan

Natural Terrain Landslide Inventory Plan



ENTLI Crown (2019)

- Recent
- Relict

ENTLI Trail (2019)

- Recent
- Relict

Man-made Features

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

Slope Features

Legend:

- Application Site

Division

Scale 1:3,000

Date 22/07/2022

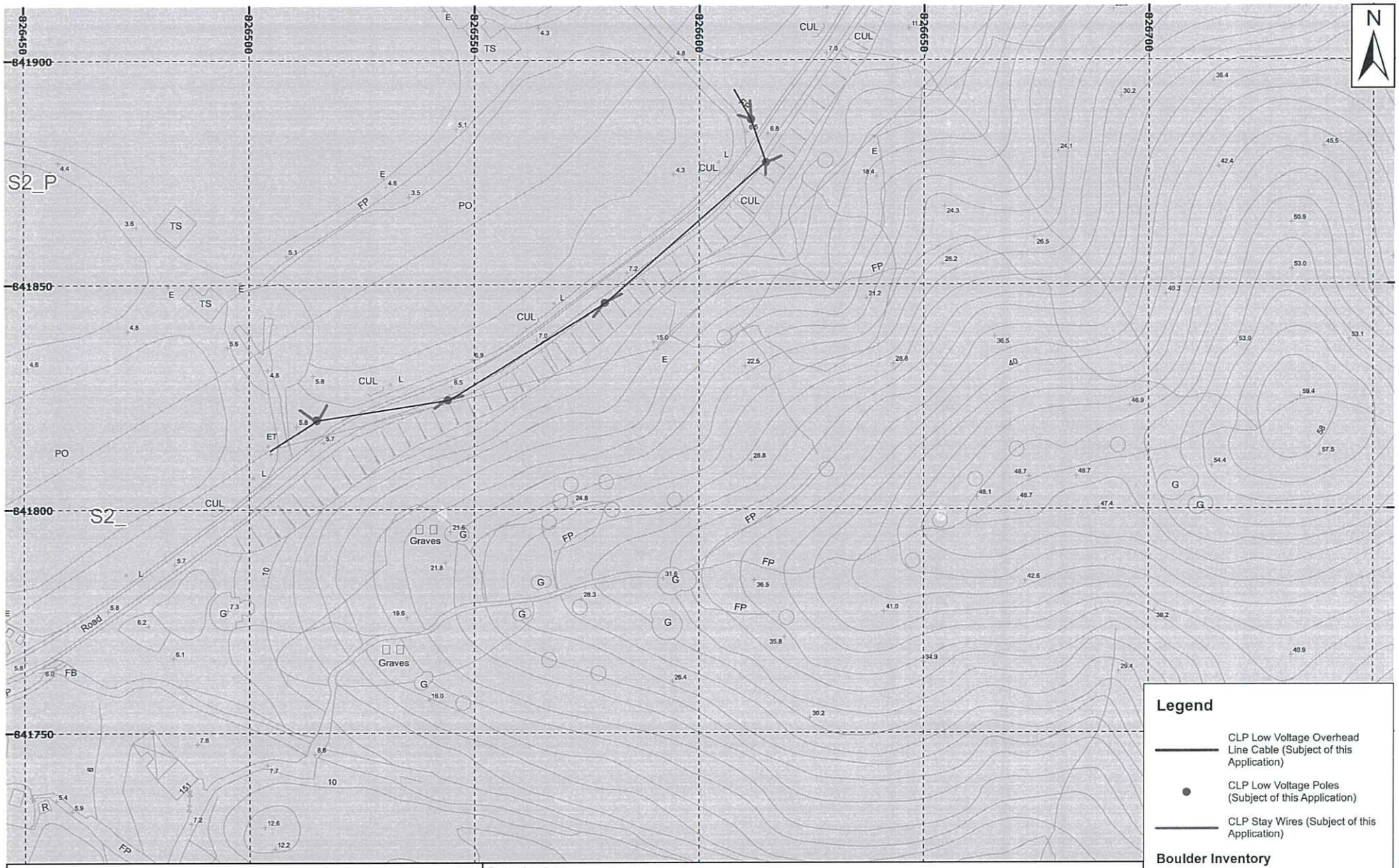
GEOTECHNICAL ENGINEERING OFFICE
CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Conclusion

No record of ENTLI within the Natural Terrain area above the application site.

(Printed by KYYip)

Map Sheet : 2SE-3A, 2SE-3B, 2SE-4A, 2NE-23C, 2NE-23D, 2NE-24C



Conclusion

No record of boulder within the natural terrain area about the application site.

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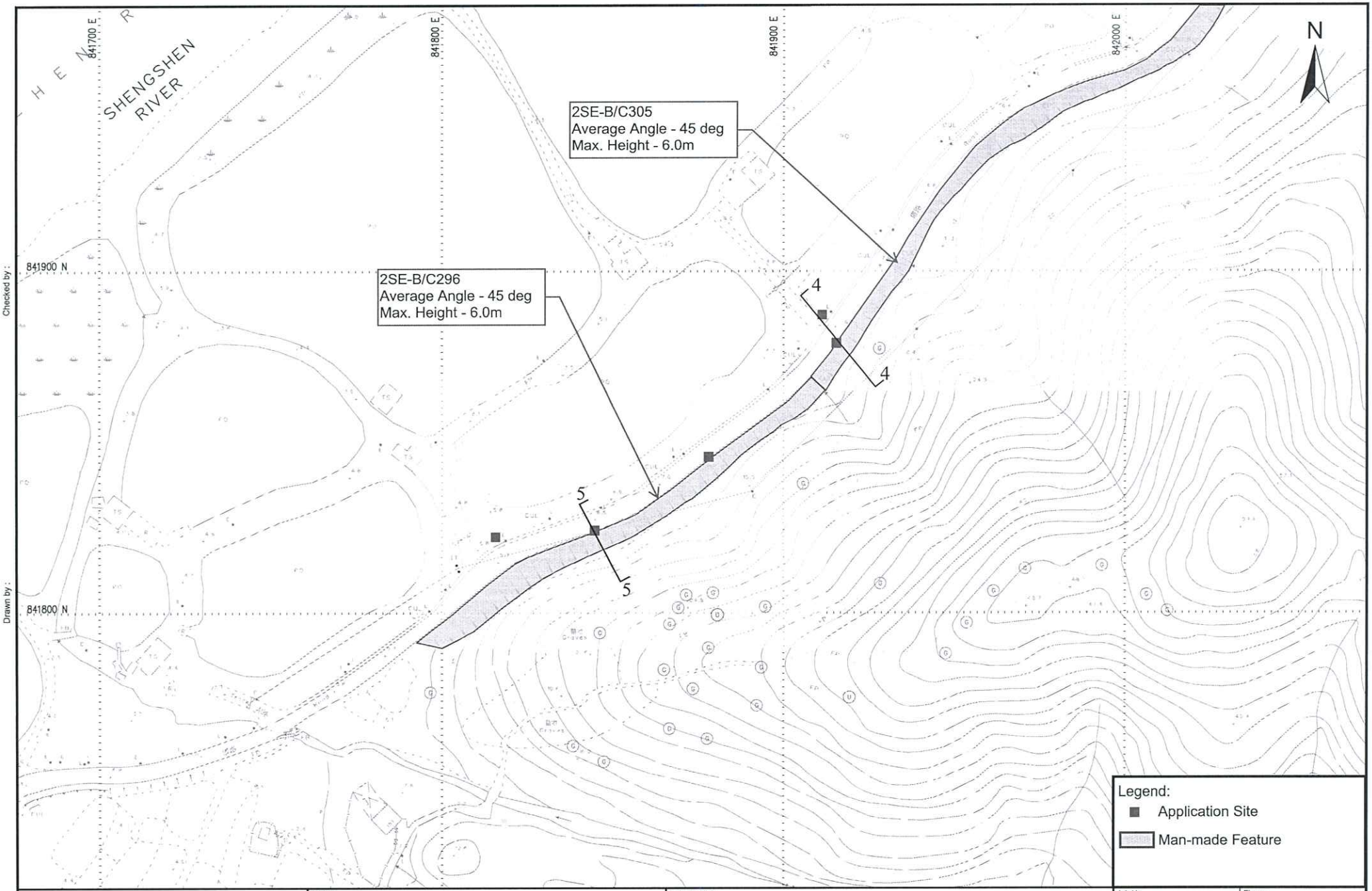
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATION OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG

Drawing Title
BOULDER INVENTORY

Job No.	Figure
190011.051	
Scale: 1:800	Date: JUL-2022

Appendix A(Cont'd)

Features and Sections



Checked by :

Drawn by :

Compiled by :

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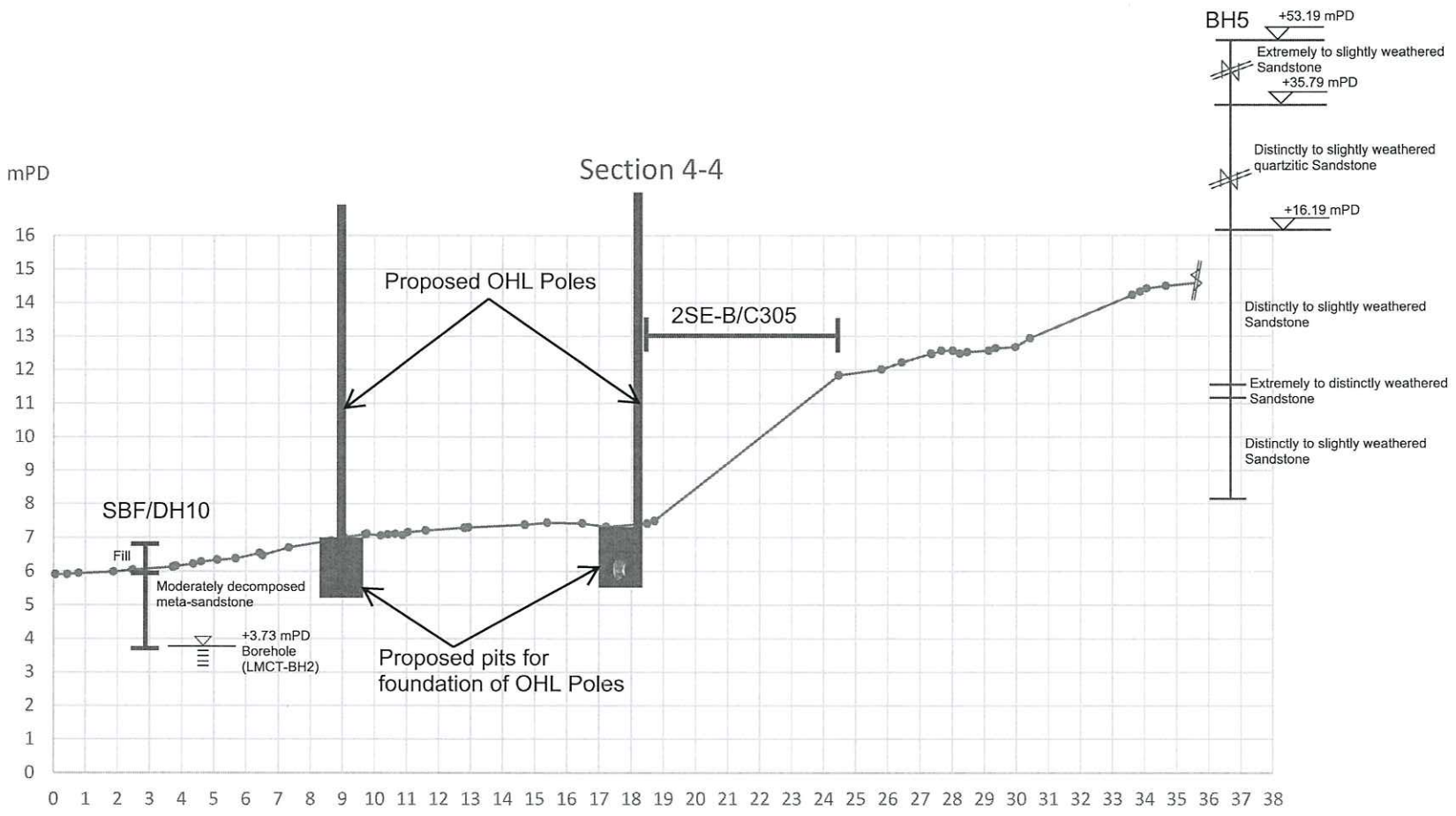
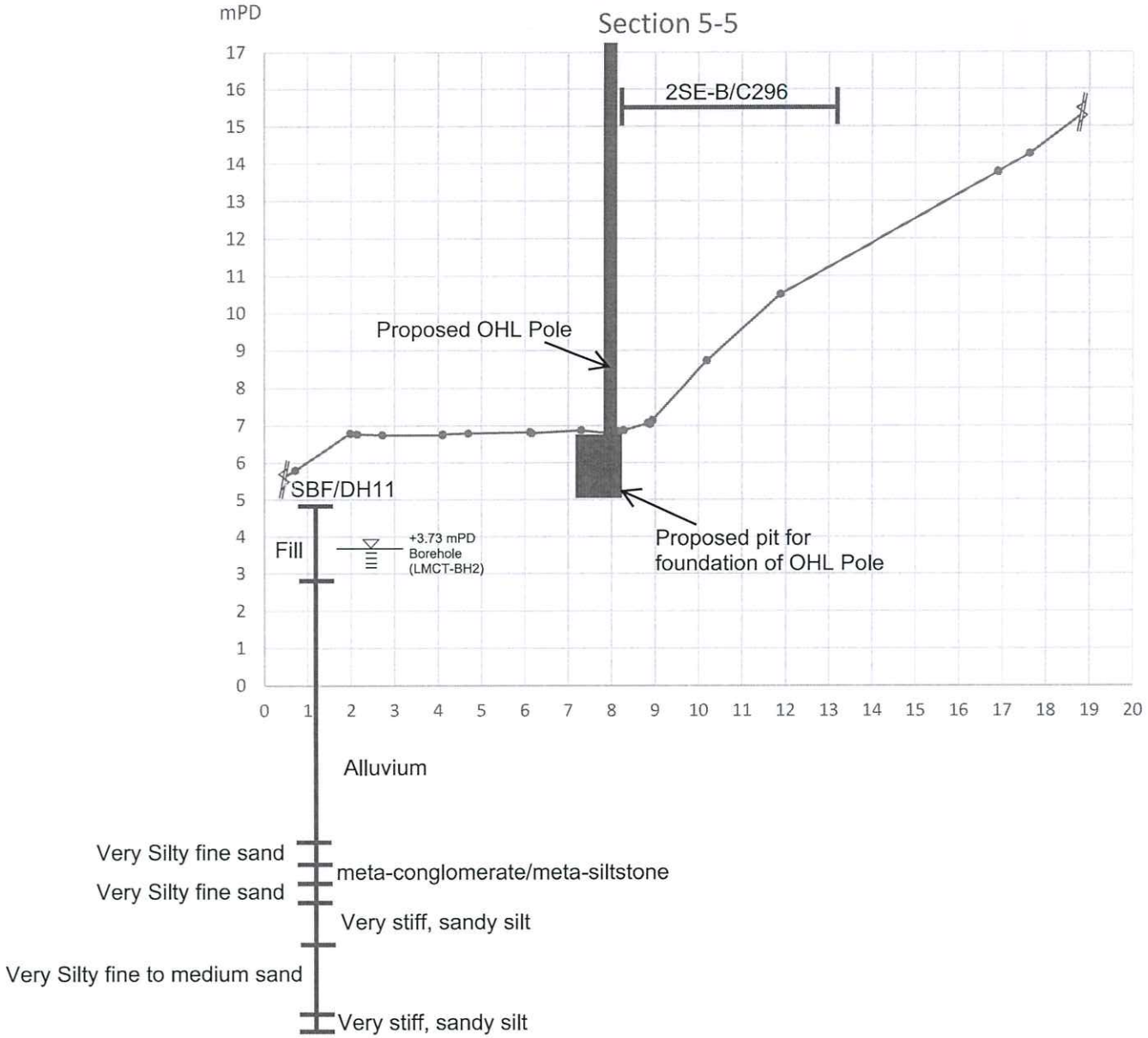
GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title
Feature Layout Plan

Job No.	Figure
B190011.051	-/-
Scale	Date
1:1000	JUL-2022

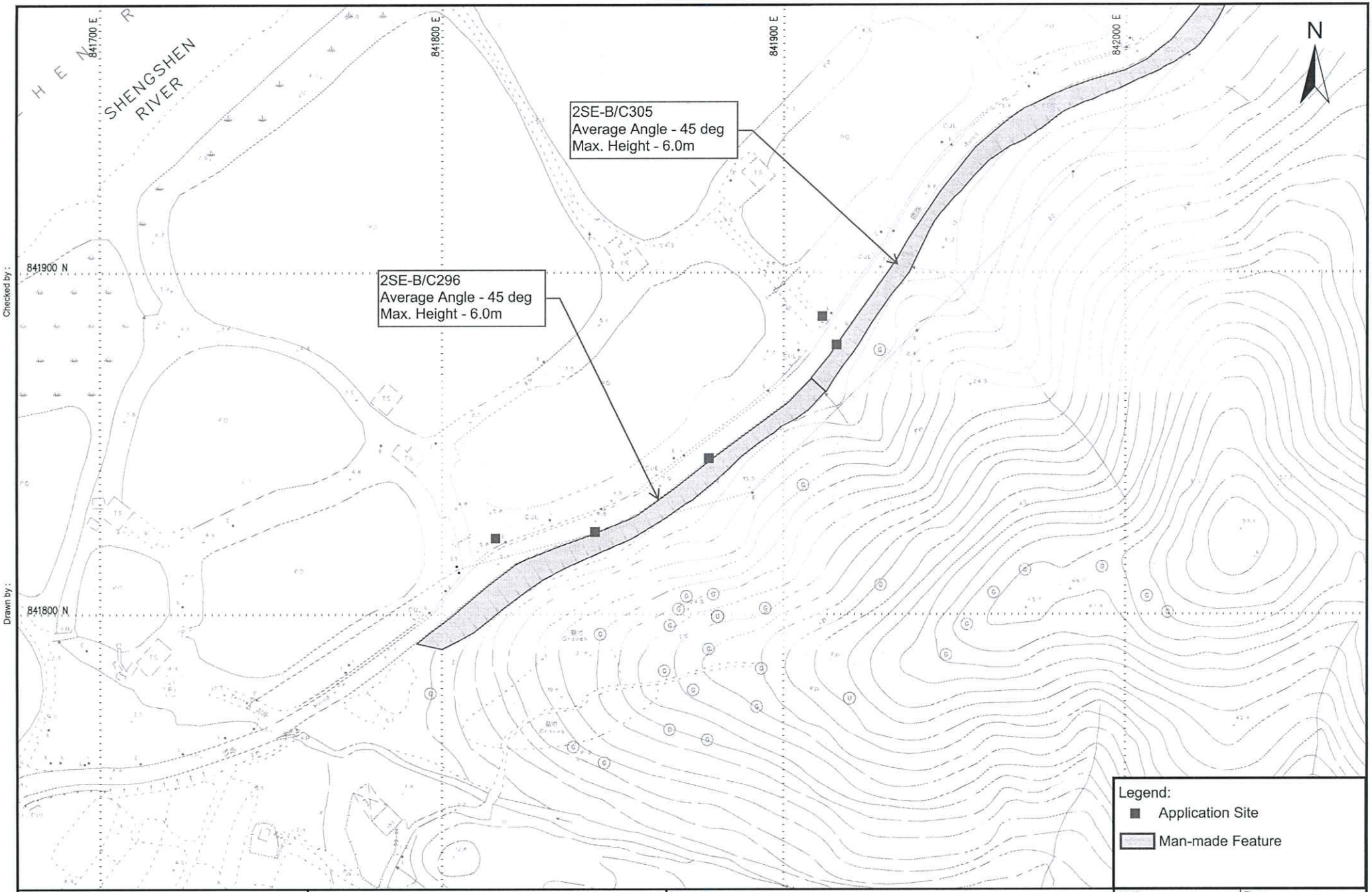
CAD Reference : C:\USERS\L_NGAN\DOCUMENTS\190011_051-GPRR-2022-07-21-HS\190011.051_FIG02 (P01) (GPRR).DWG Date & Time : 21-07-22 (4:35:20PM) Plotted By : L.NGAN


Section 4-4
mPD
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
Proposed OHL Poles
2SE-B/C305
SBF/DH10
Fill
Moderately decomposed meta-sandstone
+3.73 mPD
Borehole
(LMCT-BH2)
Proposed pits for foundation of OHL Poles
BH5
+53.19 mPD
Extremely to slightly weathered Sandstone
+35.79 mPD
Distinctly to slightly weathered quartzitic Sandstone
+16.19 mPD
Distinctly to slightly weathered Sandstone
Extremely to distinctly weathered Sandstone
Distinctly to slightly weathered Sandstone


Section 5-5
mPD
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
2SE-B/C296
Proposed OHL Pole
SBF/DH11
Fill
+3.73 mPD
Borehole
(LMCT-BH2)
Proposed pit for
foundation of OHL Pole
Alluvium
Very Silty fine sand
meta-conglomerate/meta-siltstone
Very Silty fine sand
Very stiff, sandy silt
Very Silty fine to medium sand
Very stiff, sandy silt

Appendix B

Slope Location Plan



Checked by :

Drawn by :

Compiled by :

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10/F, Fugro House - KCC2,
1 Kwai On Road, Kwai Chung,
New Territories, Hong Kong. Tel : 2577 9023

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GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title
Slope Location Plan

Job No.	Figure
B190011.051	-/-
Scale	Date
1:1000	JUL-2022

CAD Reference : C:\USERS\L.NGAN\DOCUMENTS\190011_051-GPRR-2022-07-21-HS\190011.051_FIG02 (P01) (GPRR).DWG Date & Time : 21-07-22 (4:35:20PM) Plotted By : L.NGAN

General Views of Registered Man-made Slopes

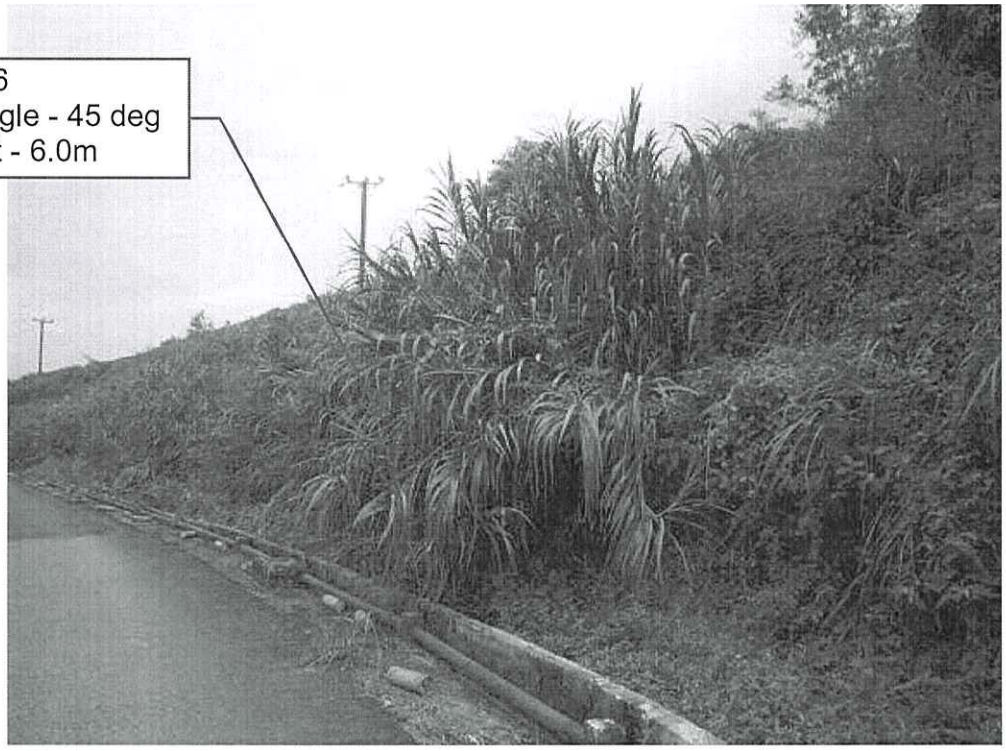


Photo 1: General View of 2SE-B/C296

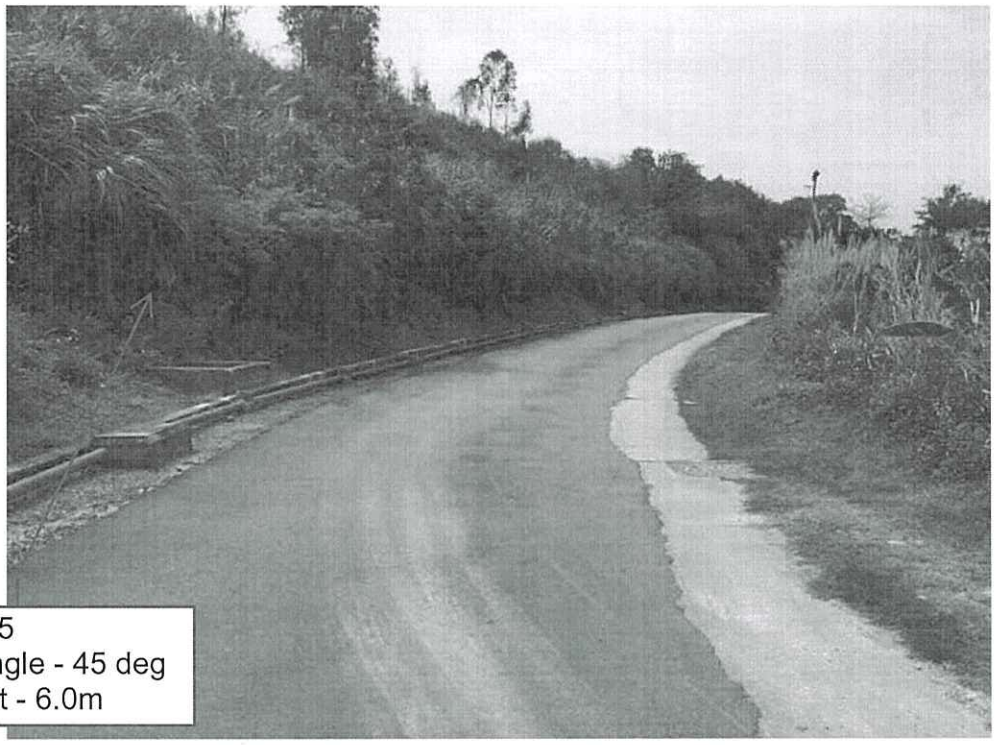


Photo 2: General View of 2SE-B/C305

Appendix B(Cont'd)

Basic Data of Slope Downloaded from SIS

BASIC INFORMATION

Location:	BORDER FENCE ROAD Adjoining Border Rd opposite DD96 Lot1811
Registration Date:	12-05-1998
Ranking Score (NPRS):	0 (EI)
Date of Formation:	post-1977
Date of Construction/ Modification:	
Data Source:	EI(HyD)
Approximate Coordinates:	Easting : 826564 Northing : 841830

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest:	Undeveloped green belt
Distance of Facility from Crest (m):	0
Facility at Toe:	Road/footpath with very low traffic density
Distance of Facility from Toe (m):	0
Consequence-to-life Category:	3
Remarks:	N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 140 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 29-11-2013

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 10-06-2014
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: On slope Size(mm): 300

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 50 Vegetated: 50 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

CHECKING STATUS INFORMATION

Tagmark: 14810_0_5 Part: 0 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.:	2SE3B2
Map Sheet Reference (1:1000):	2SE- 3B
Aerial Photos:	51439 (1983), 51440 (1983)
Nearest Rainguage Station (Station Number):	Sheung Shui Water Treatment Plant, Fu Tei Au Road(N34)
Data Collected On:	10-06-2014
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1979 After: 1975 Modification: Modified Before: 1983 After: 1979
Related Reports/Files or Documents:	File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III
Remarks:	N/A
Follow Up Actions:	N/A

DH-Order (To Be Confirmed with Buildings Department): None

Advisory Letter (To Be Confirmed with Buildings Department): None

LPMIS: None

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:
Weather:
District: MW

Section No: 1-1
Height(m):
Type of Toe Facility: Road/footpath with very low traffic density

Distance from Toe(m): 0
Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0
Consequence Category:
Engineering Judgement:

Section No: 2-2
Type of Toe Facility:

Distance from Toe(m):
Type of Crest Facility:

Distance from Crest(m):
Consequence Category:
Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

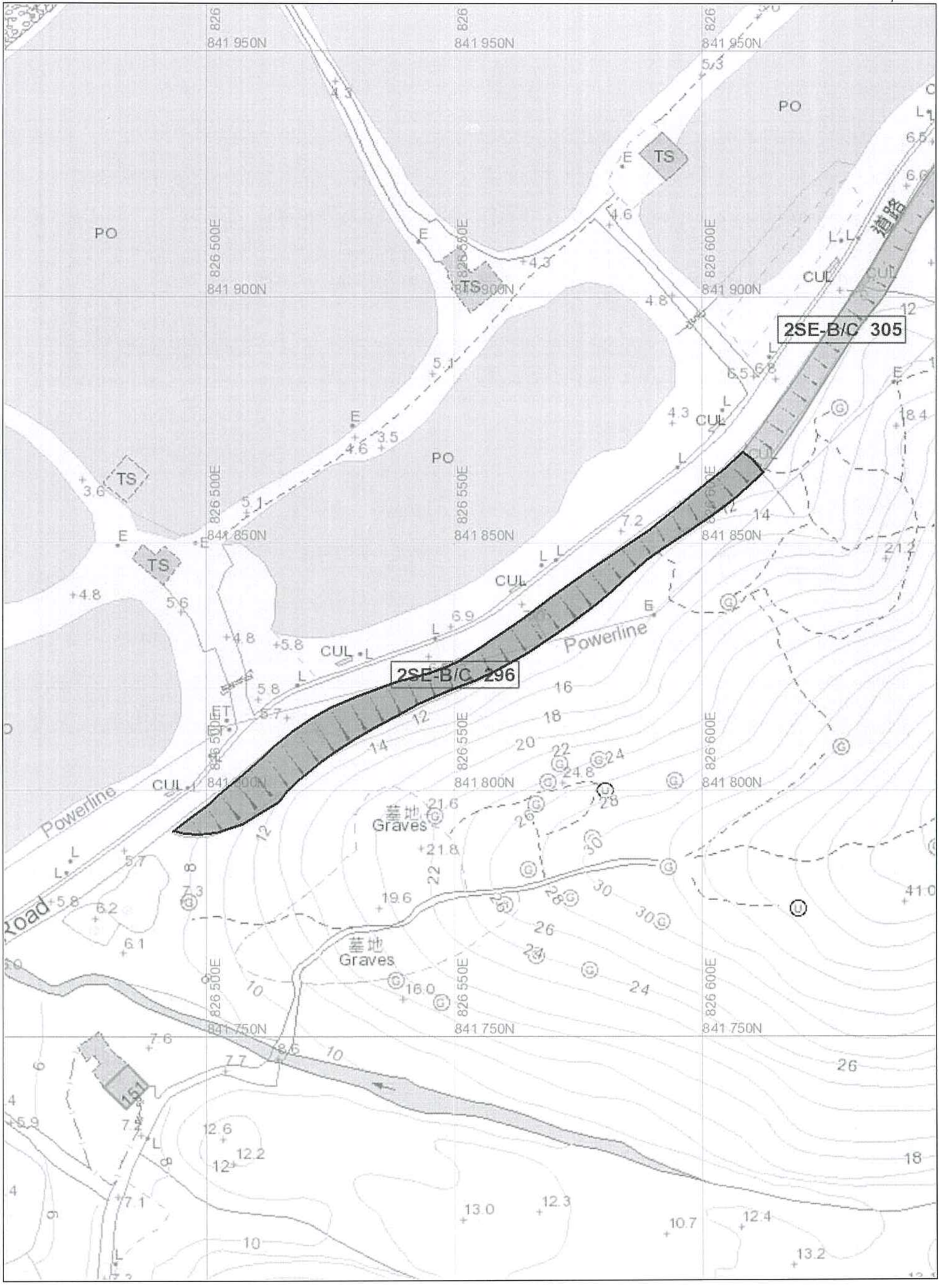
Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO


2SE-B/C 296
2SE-B/C 305
841 950N
841 900N
841 850N
841 800N
841 750N
826 500E
826 550E
826 600E
PO
TS
CUL
Powerline
墓地
Graves
Road
道路

BASIC INFORMATION

Location:	Border Fence Road
Registration Date:	12-05-1998
Ranking Score (NPRS):	0 (EI)
Date of Formation:	post-1977
Date of Construction/ Modification:	
Data Source:	EI(Lands D)
Approximate Coordinates:	Easting : 826687 Northing : 841952

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest:	Undeveloped green belt
Distance of Facility from Crest (m):	0
Facility at Toe:	Road/footpath with low traffic density
Distance of Facility from Toe (m):	0
Consequence-to-life Category:	3
Remarks:	N/A

SLOPE PART

(2) Max. Height (m): 6 Length (m): 218 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi),7 Reason Code: 62 MR Endorsement Date: 29-11-2013
(2) Sub Div.: 2 Mixed Feature Party: DD96 LOT 1750RP Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 29-11-2013
(3) Sub Div.: 3 Mixed Feature Party: DD96 LOT 1746RP Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 29-11-2013
(4) Sub Div.: 4 Mixed Feature Party: DD96 LOT 1745 Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 29-11-2013

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 05-11-2018
Data Source: EI(Lands D)
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 100 Chunam: 0 Shotcrete: 0 Other Cover: 0
Material Description: Material type: Soil Geology: N/A
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A

WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: 14813_1_5 Part: 1 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.:	2SE3B2
Map Sheet Reference (1:1000):	2SE- 3B
Aerial Photos:	51439 (1983), 51440 (1983)
Nearest Rainguage Station (Station Number):	Sheung Shui Water Treatment Plant, Fu Tei Au Road(N34)
Data Collected On:	05-11-2018
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1979 After: 1975 Modification: Modified Before: 1983 After: 1979
Related Reports/Files or Documents:	File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III File/Report: PWDC Ref. No.: GC 4/1/2-3 f(34) pt III
Remarks:	N/A
Follow Up Actions:	N/A

DH-Order (To Be Confirmed with Buildings Department): None

Advisory Letter (To Be Confirmed with Buildings Department): None

LPMIS: None

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:
Weather:
District: MW

Section No: 1-1
Height(m):
Type of Toe Facility: Road/footpath with low traffic density

Distance from Toe(m): 0
Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0
Consequence Category:
Engineering Judgement:

Section No: 2-2
Type of Toe Facility:

Distance from Toe(m):
Type of Crest Facility:

Distance from Crest(m):
Consequence Category:
Engineering Judgement:

Sign of Seepage:	
Criterion A satisfied:	
Sign of Distress:	
Criterion D satisfied:	
Non-routine maintenance required:	
Note:	
Masonry wall/Masonry facing:	
Note:	
Consequence category (for critical section):	
Observations:	N/A
Emergency Action Required:	
Action By:	N/A

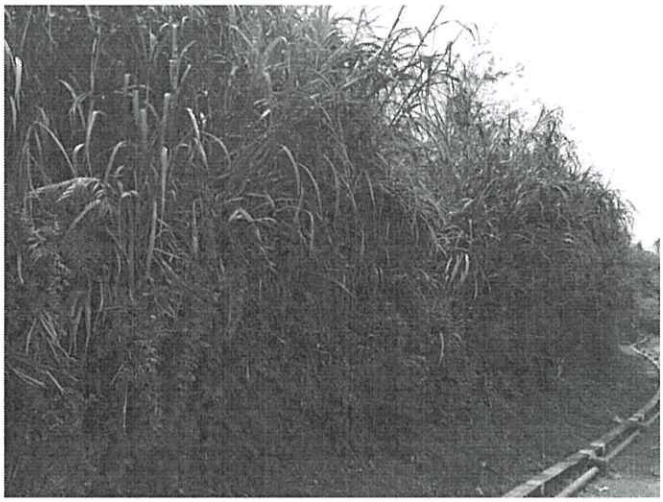
ACTION TO INITIATE PREVENTIVE WORKS

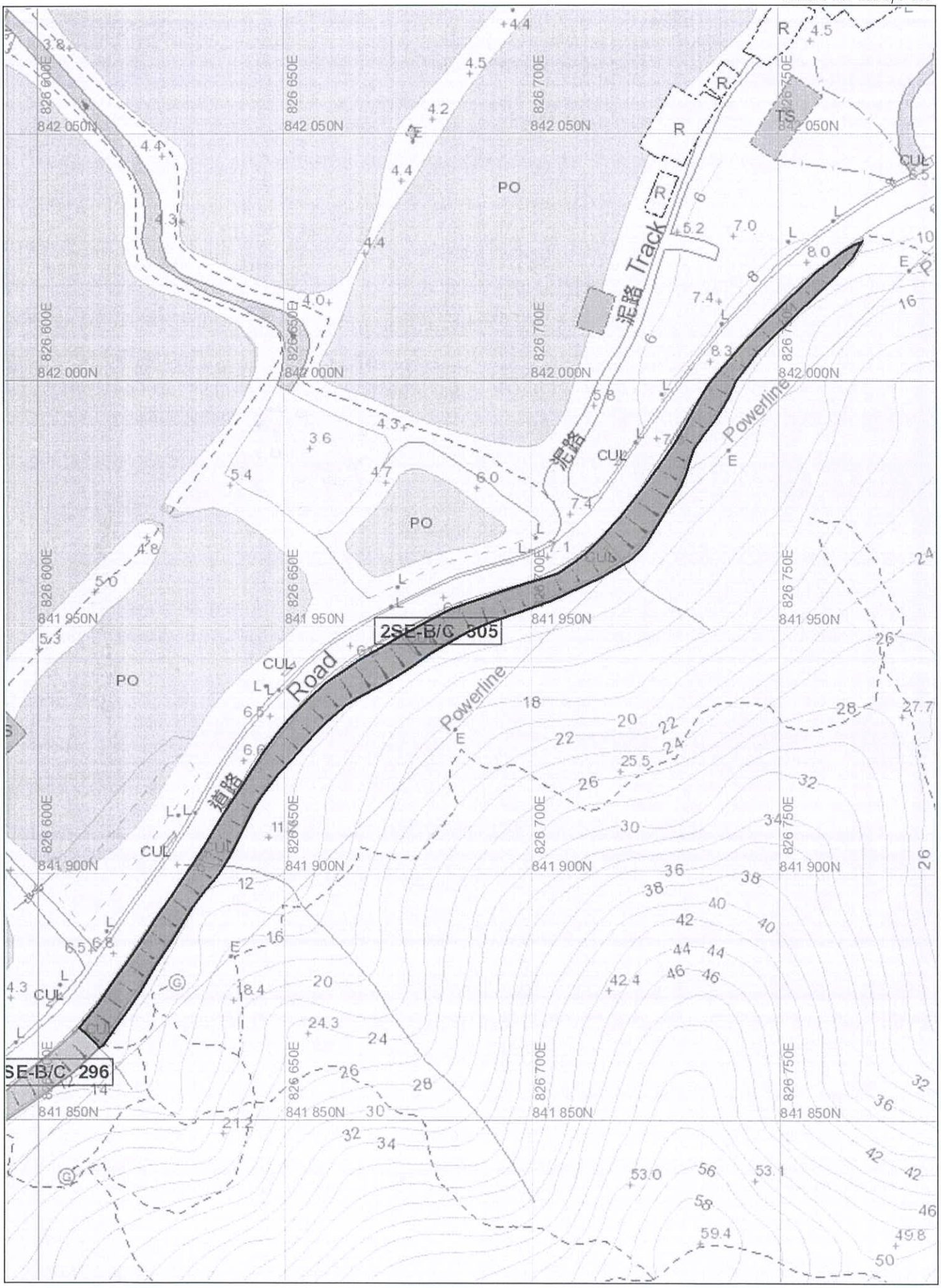
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	
Action By:	N/A

OTHER EXTERNAL ACTION

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

PHOTO




2SE-B/C 305
2SE-B/C 296
Road
道路
泥路 Track
泥路
Powerline
PO
CUL
826 600E
826 650E
826 700E
826 750E
842 050N
842 000N
841 950N
841 900N
841 850N

Appendix B(Cont'd)

Slope Maintenance Responsibility Report

Downloaded from SMRIS

Slope Maintenance Responsibility Report (2SE-B/C296)	ESTATE MANAGEMENT SECTION LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	**2SE-B/C296**		**Sub-Division**	Not Applicable
	Location	ADJOINING BORDER ROAD OPPOSITE DD96 LOT 1811		
	Responsible Lot/Party	Lands Department	**Maintenance Agent**	Lands Department
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the 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.

Annex

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: 01/08/2022

Slope Maintenance Responsibility Report (2SE-B/C305)	ESTATE MANAGEMENT SECTION LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	**2SE-B/C305**		**Sub-Division**	1
	Location	ADJOINING BORDER ROAD & WITHIN DD96 LOT 1750RP, 1746RP & 1745 NEAR SPOT LEVEL 11.2		
	Responsible Lot/Party	Lands Department	**Maintenance Agent**	Lands Department
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

- End of Report -

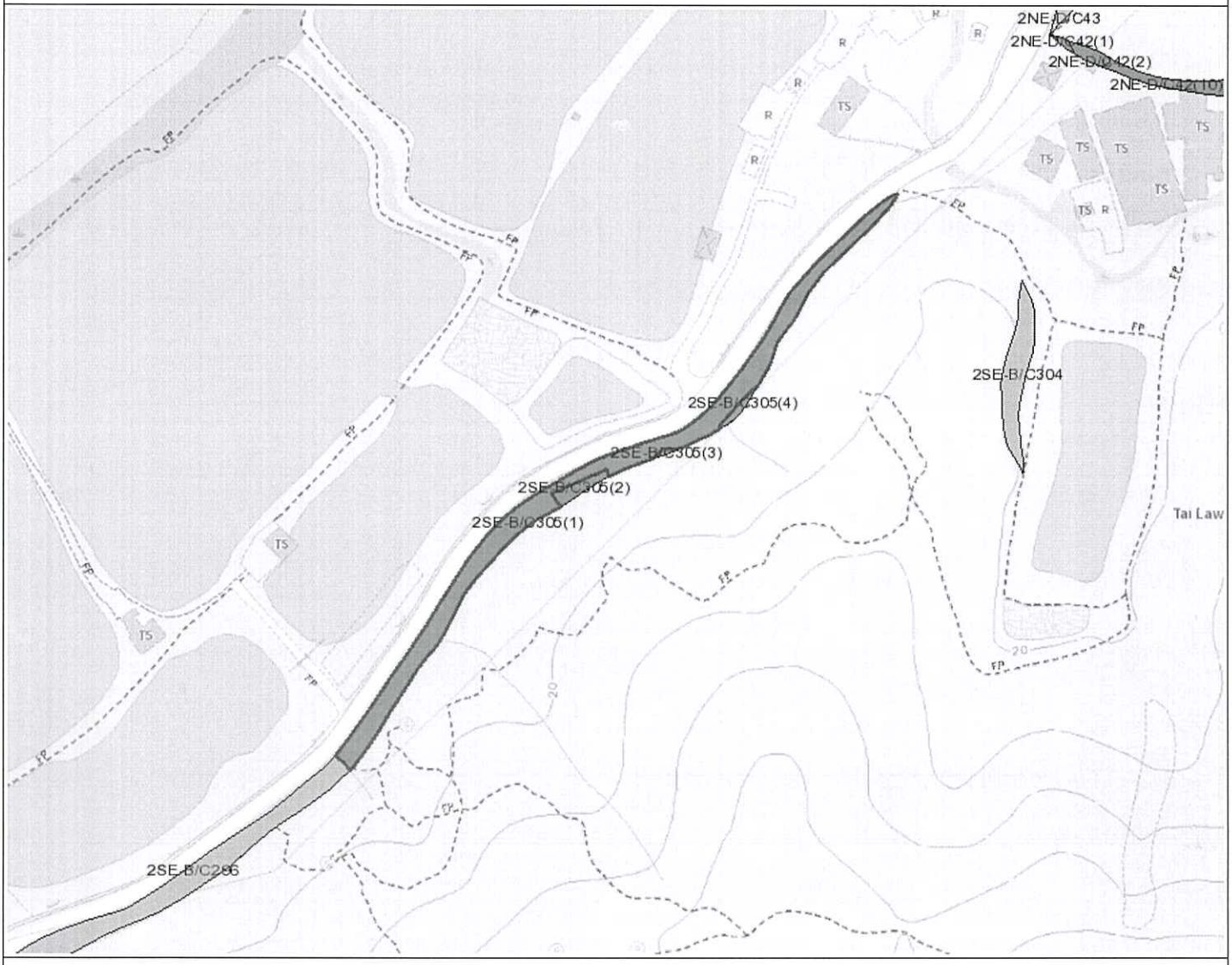
Notes:

(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.

Annex

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

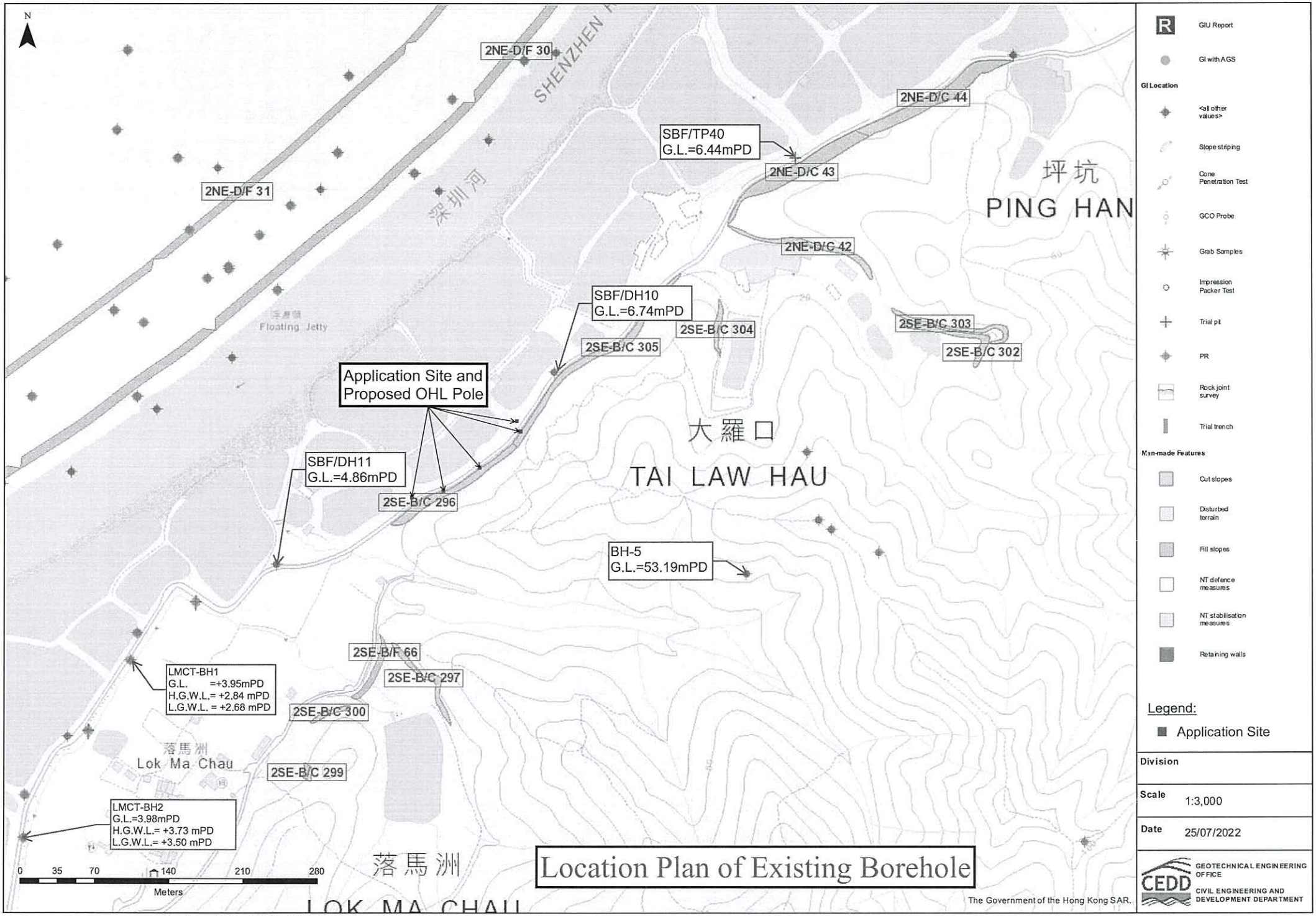
ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

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: 01/08/2022

Appendix C

Location Plan of Existing Borehole



(Printed by KYYip)

Map Sheet : 2SE-3A, 2SE-3B, 2SE-4A, 2NE-23C, 2NE-23D, 2NE-24C

Appendix C(Cont'd)

Measured Groundwater Record

GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 1
Contract No. : GE/2015/29	Date of Installation : 19/09/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.10 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826249.35 N 841664.70
	Sheet 1 of 1
	Piezometer Tip Level : - 4.55 mPD
Buckets (If any) Depth : From 0.05m to 2.55m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
22/09/2017	09:10	Y. T. Chow	1.26	+2.84			
23/09/2017	10:25	Y. T. Chow	1.27	+2.83			
25/09/2017	10:00	Y. T. Chow	1.26	+2.84			
26/09/2017	13:16	Y. T. Chow	1.28	+2.82			
27/09/2017	13:20	Y. T. Chow	1.28	+2.82			
28/09/2017	11:21	Y. T. Chow	1.30	+2.80			
29/09/2017	14:16	Y. T. Chow	1.30	+2.80			

GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 1
Contract No. : GE/2015/29	Date of Installation : 19/09/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.10 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826249.35 N 841664.70
	Sheet 1 of 1
	Standpipe Tip Level : - 1.55 mPD
Buckets (If any) Depth : From 0.05m to 2.55m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
22/09/2017	09:10	Y. T. Chow	1.40	+2.70			
23/09/2017	10:25	Y. T. Chow	1.41	+2.69			
25/09/2017	10:00	Y. T. Chow	1.36	+2.74			
26/09/2017	13:16	Y. T. Chow	1.40	+2.70			
27/09/2017	13:20	Y. T. Chow	1.41	+2.69			
28/09/2017	11:21	Y. T. Chow	1.42	+2.68			
29/09/2017	14:16	Y. T. Chow	1.41	+2.69			

GROUNDWATER MONITORING RECORD

Contractor : VIBRO (H.K.) LIMITED	Drillhole No. : LMCT-BH 2
Contract No. : GE/2015/29	Date of Installation : 13/10/2017
Task Order No. : GE/2015/29.2	Pipe Top Level : +4.13 mPD
Project : Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates : E 826149.30 N 841498.38
	Sheet 1 of 1
	Piezometer Tip Level : - 34.02 mPD
Buckets (If any) Depth : From 0.08m to 2.58m, Spacing @ 0.50m	Checked By : Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
16/10/2017	09:40	Y. T. Chow	0.40	+3.73			
17/10/2017	10:08	Y. T. Chow	0.47	+3.66			
18/10/2017	11:00	Y. T. Chow	0.48	+3.65			
19/10/2017	13:21	Y. T. Chow	0.48	+3.65			
20/10/2017	14:16	Y. T. Chow	0.42	+3.71			
21/10/2017	10:41	Y. T. Chow	0.40	+3.73			
23/10/2017	09:04	Y. T. Chow	0.45	+3.68			

GROUNDWATER MONITORING RECORD

Contractor :	VIBRO (H.K.) LIMITED	Drillhole No. :	LMCT-BH 2
Contract No. :	GE/2015/29	Date of Installation :	13/10/2017
Task Order No. :	GE/2015/29.2	Pipe Top Level :	+4.13 mPD
Project :	Ground Investigation - New Territories West Agreement No. CE 78/2014 (DS) Drainage Improvement Works at North District - Package B - Investigation Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau	Co-ordinates :	E 826149.30 N 841498.38
		Sheet	1 of 1
		Piezometer Tip Level :	- 20.42 mPD
Buckets (If any) Depth :	From 0.08m to 2.58m, Spacing @ 0.50m	Checked By :	Y. M. Leung

DATE	TIME	REPORTED BY	GROUNDWATER LEVEL (FROM TOP OF PIPE)		HIGHEST BUCKET WITH ENTRAPPED WATER (if any)		REMARKS
			DEPTH (m)	ELEVATION (mPD)	DEPTH (m)	ELEVATION (mPD)	
16/10/2017	09:40	Y. T. Chow	0.56	+3.57			
17/10/2017	10:08	Y. T. Chow	0.63	+3.50			
18/10/2017	11:00	Y. T. Chow	0.60	+3.53			
19/10/2017	13:21	Y. T. Chow	0.58	+3.55			
20/10/2017	14:16	Y. T. Chow	0.51	+3.62			
21/10/2017	10:41	Y. T. Chow	0.50	+3.63			
23/10/2017	09:04	Y. T. Chow	0.53	+3.60			

Appendix C(Cont'd)

Existing Ground Investigation Records

DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 1
	SHEET 1 OF 1

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826249.35 N 841664.70	DATE : 15/09/2017 to 18/09/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.95 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
15/09/2017	SW									A 0.50	+3.95	0.00			Brown (7.5YR 5/4), mottled reddish brown, spotted white, slightly clayey silty fine to coarse SAND with some angular to subangular fine to coarse gravel sized rock fragments. (FILL)
										INSPECTION PIT B 1.00 C 1.35	+2.60	1.35			
	SW 2.00		80	46						SW 1 2.00	+1.95	2.00			Reddish brown (2.5YR 5/4), locally light brownish grey, angular COBBLE sized moderately decomposed Metasandstone with some angular medium to coarse gravel sized rock fragments. (FILL)
	PW		80	90						2 3.00 3.10	+0.85	3.10			Firm, dark grey (N 4), mottled black, clayey slightly sandy SILT with occasional decayed wood pieces. (POND DEPOSIT)
								3.10	1,1, 1,1,1,1 N=4	3 3.20 4 3.50 3.55					Soft, brown, slightly clayey sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
			80	0				3.55		4.00	-0.05	4.00			Reddish brown (2.5YR 5/4), mottled light yellowish brown, spotted white, sandy subangular to subrounded fine to coarse GRAVEL sized quartz and rock fragments. (ALLUVIUM)
									5.65×10^{-6} m/sec	5 5.00 5.10					
									25 bls						
15/09/2017		0.50m at 18:00		0				5.50		6 5.55 5.60	-1.65	5.60			
16/09/2017		1.20m at 08:00						5.60	3,1, 1,2,3,3 N=9	7 5.70				V	Extremely weak, light grey (N 7), streaked reddish brown and light brown, completely decomposed METASILTSTONE. (Slightly sandy SILT)
16/09/2017		1.21m at 18:00								8 6.00 6.05					
18/09/2017		1.13m at 08:00						6.05			-3.15	7.10			
			80	40						9 7.10				V	Extremely weak to very weak, reddish brown (2.5YR 5/4), dappled yellow and red, occasional mottled light grey, completely decomposed METASILTSTONE. (Slightly sandy SILT with some subangular fine to coarse gravel)
										10 8.10 8.20					
			80	95				8.50		11					
										12 9.20 9.30					
								9.30	2,5, 5,9,17,22 N=53	13 9.40					
								9.75		14 9.70 9.75					
18/09/2017	PW 10.00	0.58m at 18:00									-6.05	10.00			End of Investigation Hole at 10.00m.

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	19/09/2017
CHECKED	Y. M. Leung
DATE	21/09/2017

REMARKS
1. An inspection pit was excavated to 1.35m.
2. A constant head permeability test was carried out from 4.10m to 5.60m.
3. A standpipe was installed to 5.50m.
4. A piezometer was installed at 8.50m.
5. Piezometer buckets were installed in standpipe and piezometer from 0.05m to 2.55m depth at 0.50m intervals below ground level.

J201617e

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

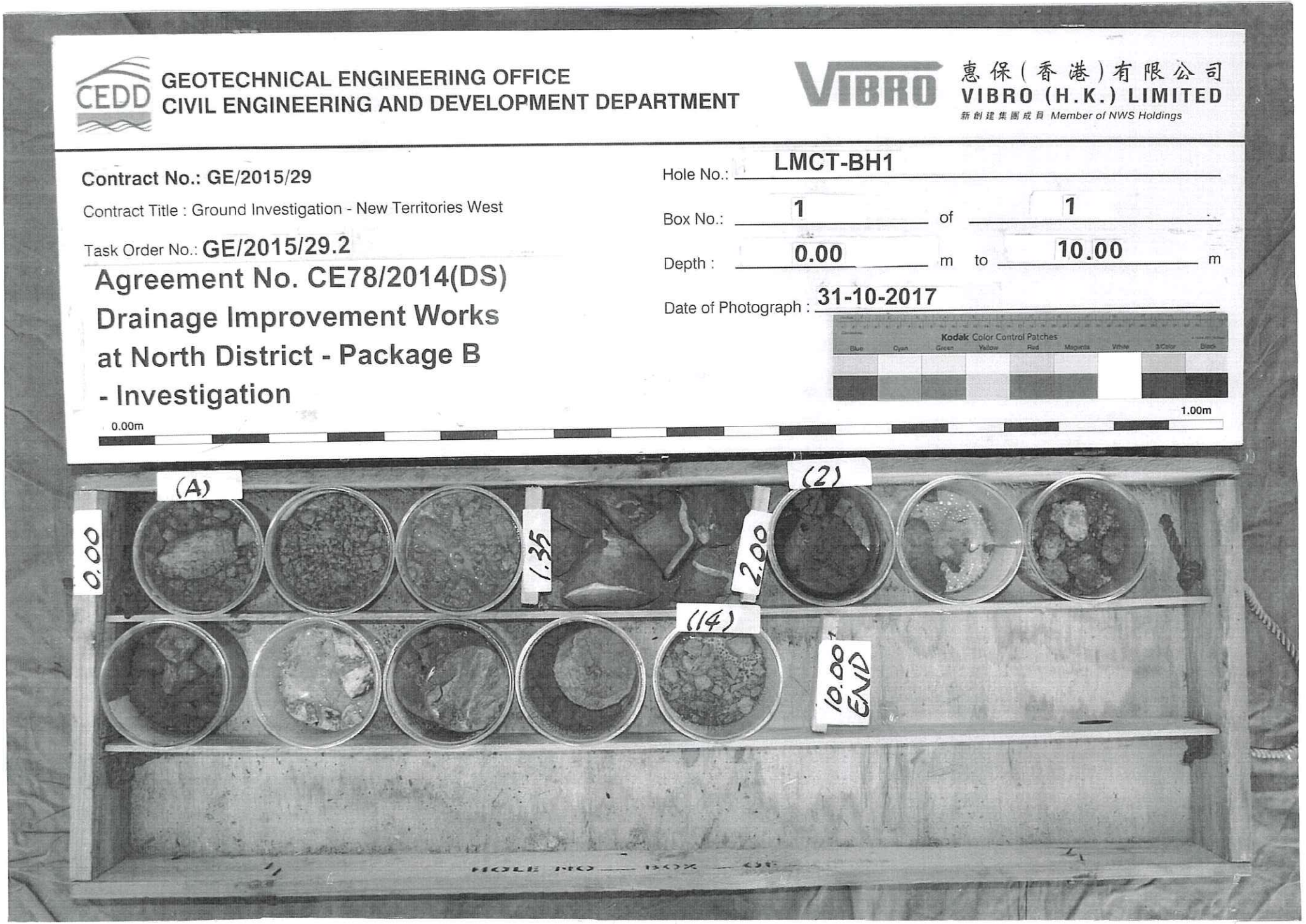
Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH1

Box No.: 1 of 1

Depth : 0.00 m to 10.00 m

Date of Photograph : 31-10-2017



DRILLHOLE RECORD

VIBRO

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 2
	SHEET 1 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
21/09/2017	SW									A INSPECTION PIT 0.50	+3.98	0.00			Brown (7.5YR 5/4), mottled reddish brown, silty sandy subangular fine to coarse GRAVEL sized rock fragments. (FILL)
										B 1.00	+2.98	1.00			
			80	36						T2 IOI					Light grey (N 7), locally light brown, slightly silty angular medium to coarse GRAVEL sized rock fragments. (FILL)
										1.50	+2.48	1.50			
			80	90						2.50					Firm to stiff, dark greyish brown (10YR 4/2), spotted dark grey, clayey slightly sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
										2.60	+1.38	2.60			
		0.10m at 18:00						2.60	1,1, 1,1,1,1 N=4	2.70					Soft, dark grey (N 4), spotted dark brown, clayey slightly sandy SILT. (POND DEPOSIT)
21/09/2017								3.05		3.00 3.05					
22/09/2017		0.40m at 08:00							23.24 kN/m²	3.55					
				0						3.60					From 3.60m to 4.60m : No recovery.
		0.25m at 18:00								4.55					
22/09/2017									28 bls	4.60	-0.62	4.60			
23/09/2017		1.03m at 08:00		56						5.05 5.10					Stiff, yellowish brown (10YR 5/4), mottled reddish brown, occasional mottled white, clayey slightly sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
								5.10	2,3, 3,3,5,8 N=19	5.20					
								5.55	1.30 x 10⁻⁷ m/sec	5.50 5.55					
										6.10					
										6.60	-2.62	6.60		V	Extremely weak, brown (7.5YR 5/4), streaked reddish brown, completely decomposed METASILTSTONE. (Sandy SILT with some subangular fine to medium gravel)
			80	98						7.60 7.70	-3.72	7.70			
								7.70	5,7, 6,10,20,16 N=52	7.80				V	Extremely weak to very weak, light reddish brown (2.5YR 7/3), spotted and mottled reddish brown, completely decomposed METASILTSTONE. (Sandy SILT with much subangular fine to medium gravel)
	SW	0.22m at 18:00								8.10 8.15					
23/09/2017	8.15							8.15							
25/09/2017	PW	0.53m at 08:00								8.60					
									9.17 x 10⁻⁷ m/sec						
			60	95						9.60 9.70					
		0.27m at 18:00								9.80					
25/09/2017								9.70	4,4, 7,7,8,9						
26/09/2017		0.80m at													

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS
1. An inspection pit was excavated to 1.00m.
2. An in-situ vane shear test was carried out at 3.55m.
3. Constant head permeability tests were carried out from 5.10m to 6.60m and 8.70m to 10.20m.
4. Piezometers were installed at 24.40m and 38.00m.
5. Piezometer buckets were installed in piezometers from 0.08m to 2.58m depth at 0.50m intervals below ground level.

DRILLHOLE RECORD

VIBRO

HOLE NO. LMCT-BH 2

CONTRACT NO. : GE/2015/29

SHEET 2 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
26/09/2017	PW	08:00 0.28m at 18:00						10.15	N=31	19 10.10 10.15	-6.02	10.00		V	See sheet 1 of 5
27/09/2017		0.81m at 08:00									-6.62	10.60			
11			60	88						20 10.60				V	Extremely weak, brown (7.5YR 5/4), occasional spotted white, completely decomposed METASILTSTONE. (Slightly sandy SILT)
										21 11.60 11.70					
12								11.70 12.15	3,3, 5,6,7,9 N=27	22 11.80 23 12.10 12.15	-8.62	12.60			
13			60	95						24 12.60				V	Extremely weak, reddish brown (2.5YR 5/4), streaked light grey, completely decomposed METASILTSTONE. (Slightly sandy SILT with occasional subangular fine to medium gravel)
										25 13.60 13.70					
14		0.25m at 18:00						13.70 14.15	6,8, 12,17,25,30 N=84	26 13.80 27 14.10 14.15					
27/09/2017															
28/09/2017		0.95m at 08:00													
15			60	95						28 14.60					
										29 15.60 15.70					
16								15.70 16.15	3,8, 12,19,22,33 N=86	30 15.80 31 16.10 16.15	-12.62	16.60			
17			60	95						32 16.60				IV	Very weak, reddish brown (2.5YR 5/4), streaked and mottled light grey, highly decomposed METASANDSTONE. (Silty sandy subangular fine to medium GRAVEL)
										33 17.60 17.70	-13.72	17.70			
18								17.70 18.15	10,12, 14,28,32,24 N=98	34 17.80 35 18.10 18.15				IV	Very weak, brown (7.5YR 5/4), spotted white, highly decomposed METASANDSTONE. (Subangular fine to medium GRAVEL)
28/09/2017	PW 18.60	0.55m at 18:00									-14.62	18.60			
29/09/2017	HW	1.12m at 08:00								36 18.60				IV	Very weak, reddish brown (2.5YR 5/4), streaked and mottled brown, highly decomposed METASANDSTONE. (Silty sandy subangular fine to medium GRAVEL)
19			60	95											
										37 19.60 19.70					
20								19.70	16,13, 13,16,30,36	38 19.80					

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED S. C. Law

DATE 11/10/2017

CHECKED Y. M. Leung

DATE 20/10/2017

REMARKS

J201617e

VIBRO

DRILLHOLE RECORD

HOLE NO. LMCT-BH 2

CONTRACT NO. : GE/2015/29

SHEET 3 OF 5

PROJECT
Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
	HW										-16.02	20.00			
								20.15	N=95	39 20.10 20.15				IV	See sheet 2 of 5
21			60	95						40 20.60					
										41 21.60 21.70					
								21.70	8,12, 14,18,30,32 N=94	42 21.80					
22								22.15		43 22.10 22.15					
											-18.62	22.60			
										44 22.60				IV	Very weak to weak, light grey (N 7), streaked brown, highly decomposed METASILTSTONE. (Slightly silty subangular fine to coarse GRAVEL)
23			60	95											
								23.70	50/70mm	45 23.60 23.70					
								23.83	100/60mm (100/60mm)	46 23.78 47 23.83					
24								24.40							
		0.42m at 18:00													
	29/09/2017									48 24.60					
	30/09/2017	0.92m at 08:00	60	100						49 24.86 24.96	-20.98	24.96			
25								24.96						III	Moderately strong, greyish brown, dappled brown, moderately decomposed METASILTSTONE. Joints are very closely to closely spaced, locally medium spaced, occasional slickensided planar, extremely narrow to very narrow, iron and manganese oxide stained, dipping 10° to 20°, 20° to 30°, 40° to 50°, 60° to 70° and 70° to 80°.
							9.4	25.49							
			60	100	82	33	>20	25.59		T2IOI					
26							12.5	26.07							
										26.28					
							>20			T2IOI					
								26.75							
27			60	100	49	0									At 26.97m : Fractured, quartz vein up to 40mm thick, dipping 20° to 30°.
		0.31m at 18:00													
	30/09/2017														
	03/10/2017	1.00m at 08:00					10.9								
28															
			85	63	47	15				T2IOI					
								28.50			-24.52	28.50		V	From 28.50m to 29.05m : No recovery, inferred to be completely decomposed METASILTSTONE.
							NR								
29								29.05		29.05	-25.07	29.05			
														III	
			85	100	96	24				T2IOI					
							13.4								
30															

- Disturbed sample
- Piston sample
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- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

J201617e

DRILLHOLE RECORD

VIBRO

HOLE NO. LMCT-BH 2

CONTRACT NO. : GE/2015/29

SHEET 4 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
	HW									T2 1 01 30.22	-26.02	30.00		III	See sheet 3 of 5
31			85	100	89	43	4.5	30.69		T2 1 01 31.63					
							12.0	31.13							
32			85	52	5	0	>20	31.63		T2 1 01 32.59	-28.15	32.13		V	From 32.13m to 32.59m : No recovery, inferred to be completely decomposed METASILTSTONE.
03/10/2017		0.90m at 18:00					NR	32.13			-28.61	32.59			
04/10/2017		1.10m at 08:00	85	90	31	16	NA	32.59			-28.80	32.78		IV	Moderately weak to moderately strong, reddish brown, spotted white, moderately decomposed METASANDSTONE.
33							14.2	32.79						III	Joints are very closely to closely spaced, locally extremely closely spaced, rough planar and rough stepped, extremely narrow to very narrow, iron and manganese oxide stained, dipping 20° to 30°, 40° to 50° and 50° to 60°.
							>20	33.00		T2 1 01 33.20	-29.22	33.20			From 32.59m to 32.78m : Moderately weak, reddish brown (2.5YR 5/4), spotted white, highly decomposed METASANDSTONE. (Sandy subangular fine to coarse GRAVEL)
			65	0				33.20						IV	
34								34.10		50 34.00 34.10	-30.12	34.10			Very weak to weak, reddish brown (2.5YR 5/4), streaked dark greyish brown, highly decomposed METASANDSTONE. (Silty sandy subangular fine to coarse GRAVEL)
			85	91	0	0	NA			T2 1 01 35.10	-31.12	35.10		IV	Moderately weak, brown (7.5YR 5/4), dappled brown, highly decomposed METASANDSTONE. (Slightly silty sandy subangular fine to coarse GRAVEL with some subangular cobbles)
35		0.90m at 18:00						35.10							
04/10/2017										51					
06/10/2017		1.05m at 08:00	80	95										V	Extremely weak to very weak, brown, streaked black, completely decomposed METASANDSTONE. (Silty fine to medium SAND with much subangular fine to medium gravel)
36										52 36.10 36.20					
								36.20	50/70mm, 90,10/5mm (100/80mm)	53 36.30					
								36.35		54 36.60 36.65					
37										55 37.10					
			80	95											
38								38.00		56 38.10 38.20					
								38.20	20,30/65mm, 100/70mm (100/70mm)	57					
								38.41		58 38.36 38.41					
		0.65m at 18:00													
06/10/2017								38.90			-34.92	38.90			
39 07/10/2017		0.90m at 08:00					NA	39.13			-35.15	39.13		IV	Moderately weak to moderately strong, brown, streaked black, moderately decomposed METASILTSTONE.
							13.0	39.36			-35.38	39.36		III	Joints are very closely to closely spaced, locally extremely closely spaced, occasional slickensided planar, extremely narrow to very narrow, iron and manganese oxide stained, dipping 0° to 10°, 20° to 30°, 40° to 50°, 50° to 60° and 60° to 70°.
			80	98	21	15				T2 1 01 39.90				IV	
40							NA	39.99			-36.01	39.99			

- Disturbed sample
- Piston sample
- Split spoon sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- SPT liner sample
- Water sample
- En Environmental Sample
- Standard penetration test
- V In-situ vane shear test
- I Permeability test
- Pressuremeter test
- Packer Test
- Acoustic or optical televiewer survey
- Piezometer tip
- Standpipe
- Groundwater Sampling Well
- Vibrating wire piezometer
- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

J201617e

DRILLHOLE RECORD

CONTRACT NO. : GE/2015/29	HOLE NO. LMCT-BH 2
	SHEET 5 OF 5

PROJECT Ground Investigation - New Territories West
Agreement No. CE 78/2014 (DS)
Drainage Improvement Works at North District - Package B - Investigation
Location : San Tin Eastern Main Channel, Lok Ma Chau Tsuen and Hang Tau

METHOD	Rotary	CO-ORDINATES	TASK ORDER NO. GE/2015/29.2
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	DATE : 21/09/2017 to 10/10/2017
FLUSHING MEDIUM	Water	ORIENTATION Vertical	GROUND LEVEL + 3.98 mPD

Drilling Progress	Casing Depth/Size	Water Level (m) Shift start / end	Flush Returns %	T C R %	S C R %	R Q D %	FI	Depth of FI / Test	Tests	Samples No. Type Depth	Reduced Level	Depth (m)	Legend	Grade	Description
	HW						17.6	40.16			-36.02	40.00			
											-36.18	40.16		III	From 38.90m to 39.13m : Moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASANDSTONE. (Slightly silty sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
														V	
			80	69	40	32	NR	40.65		T2IOI	-36.67	40.65		III	From 39.36m to 39.99m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
41							11.6	41.08			-37.10	41.08			
										41.19				IV	From 40.16m to 40.65m : No recovery, inferred to be completely decomposed METASILTSTONE.
							NA	41.57			-37.59	41.57			From 41.08m to 41.57m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
42			80	99	46	30	9.0	42.24		T2IOI				III	
											-38.26	42.24			From 42.24m to 42.77m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
							NA	42.77		42.58				IV	
											-38.79	42.77			
43							17.1	43.18			-39.20	43.18		III	From 43.18m to 43.58m : Weak to moderately weak, brown (7.5YR 5/4), streaked black, highly decomposed METASILTSTONE. (Silty slightly sandy subangular fine to coarse GRAVEL with occasional subangular cobbles)
			80	78	15	0				T2IOI				IV	
							NA	43.58			-39.60	43.58			
		0.65m at 18:00					NR	43.86			-39.88	43.86		V	From 43.58m to 43.86m : No recovery, inferred to be completely decomposed METASILTSTONE.
	07/10/2017		60	0				43.91		59 43.86 43.89 43.91	-39.93	43.91		IV	
44	09/10/2017	0.95m at 08:00												II	Weak to moderately weak, greyish brown (2.5Y 5/2), streaked brown (7.5YR 5/4), highly decomposed METASILTSTONE. (Slightly sandy angular to subangular fine to coarse GRAVEL)
			60	100	100	94				T2IOI					Strong, grey, occasional streaked dark brown, slightly decomposed METASILTSTONE. Joints are medium spaced, locally closely spaced, occasional rough stepped, extremely narrow, iron and manganese oxide stained, dipping 10° to 20°, 40° to 50°, 50° to 60° and 60° to 70°.
45															
	HW 45.34						3.1								
										45.34					
46			60	100	98	89				T2IOI					
											-42.39	46.37		III	Moderately strong, brown, streaked white and dark brown, moderately decomposed METASANDSTONE. Joints are closely to medium spaced, locally very closely spaced, rough planar and rough stepped, occasional slickensided planar, extremely narrow, iron and manganese oxide stained, dipping 20° to 30°, 30° to 40°, 40° to 50°, 50° to 60° and 60° to 70°. From 47.54m to 48.29m : With some quartz veins up to 10mm thick, dipping 30° to 40°.
							9.4	46.51							
								46.83		46.83					
47							>20	47.17							
		0.28m at 18:00	60	100	16	0	18.2	47.28		T2IOI					
	09/10/2017						>20	47.50		47.50					
	10/10/2017	1.21m at 08:00													
48			60	100	89	66	9.8	48.42		T2IOI					
										48.42					
							>20	48.56							
		0.52m at 18:00	60	100	70	43	4.0	48.81		T2IOI					
49	10/10/2017						12.5	49.05		49.05	-45.07	49.05			
															End of Investigation Hole at 49.05m.
50															

- Disturbed sample
- Piston sample
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- Impression packer test

LOGGED	S. C. Law
DATE	11/10/2017
CHECKED	Y. M. Leung
DATE	20/10/2017

REMARKS

J201617e

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

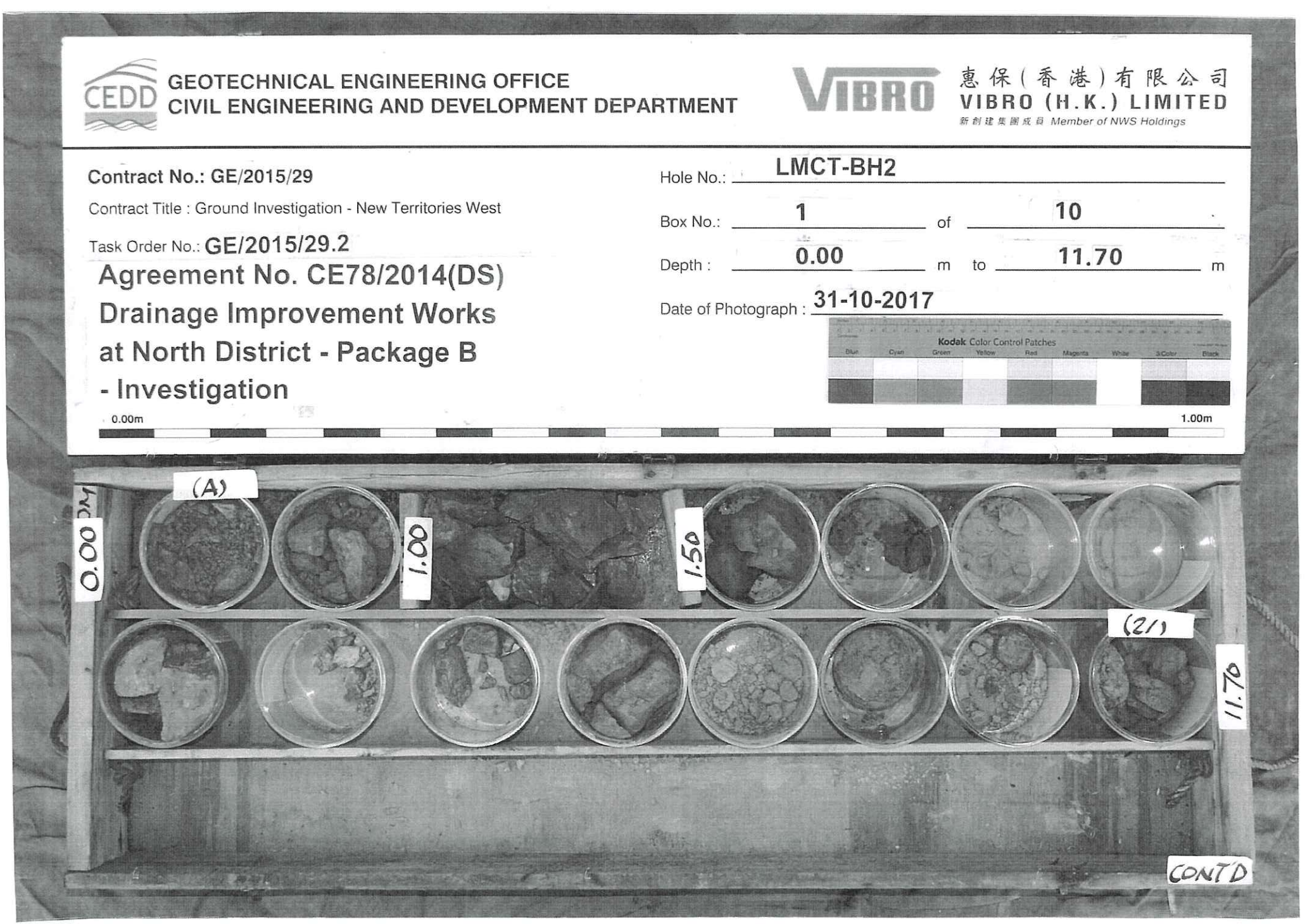
Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 1 of 10

Depth : 0.00 m to 11.70 m

Date of Photograph : 31-10-2017



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

惠保(香港)有限公司
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Task Order No.: GE/2015/29.2

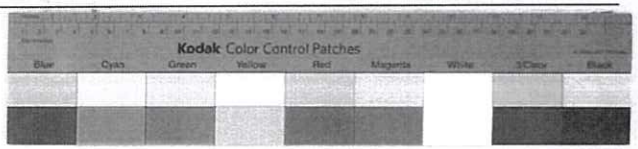
Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 2 of 10

Depth : 11.70 m to 24.96 m

Date of Photograph : 31-10-2017



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: **GE/2015/29.2**

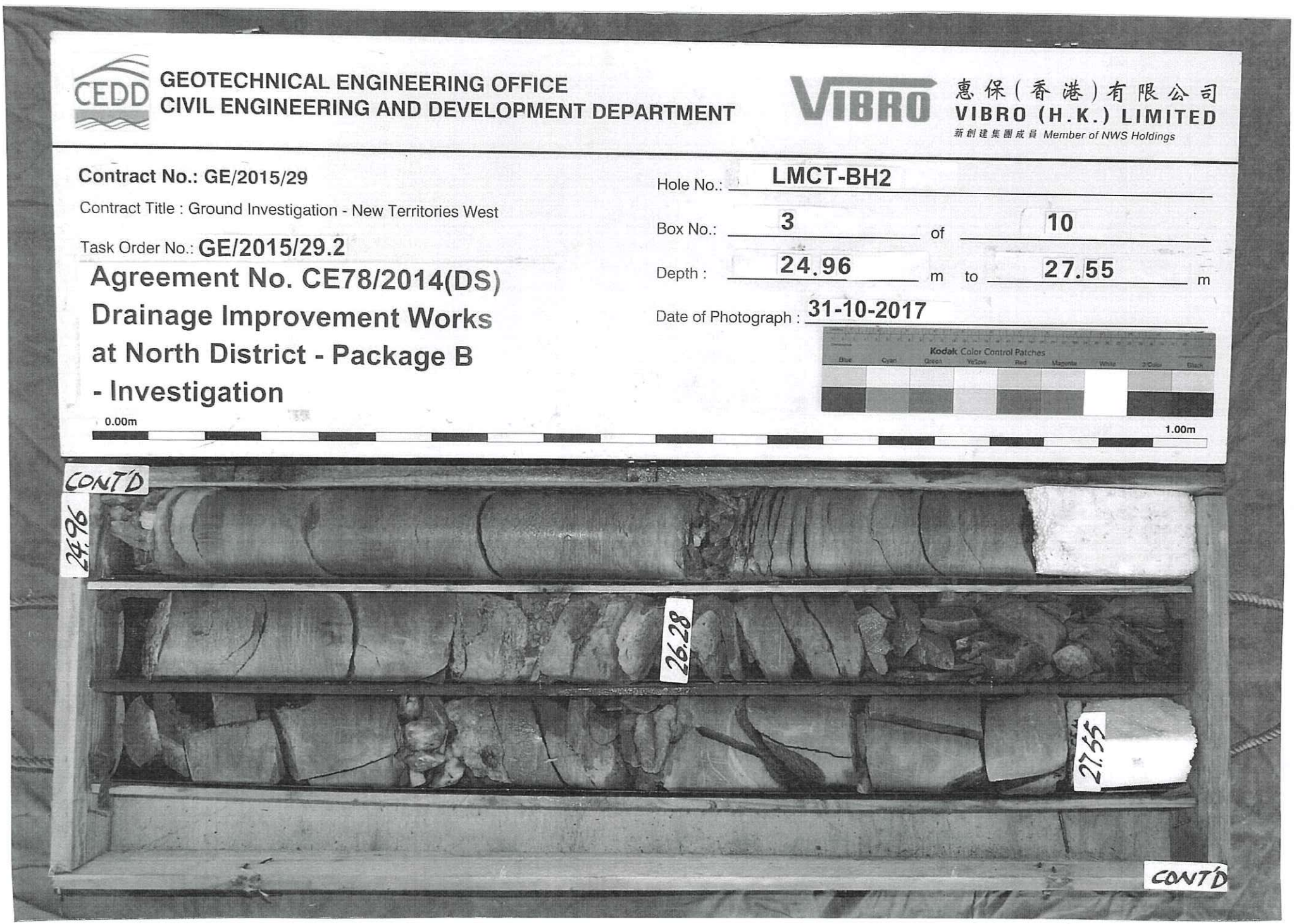
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: **LMCT-BH2**

Box No.: **3** of **10**

Depth : **24.96** m to **27.55** m

Date of Photograph : **31-10-2017**



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

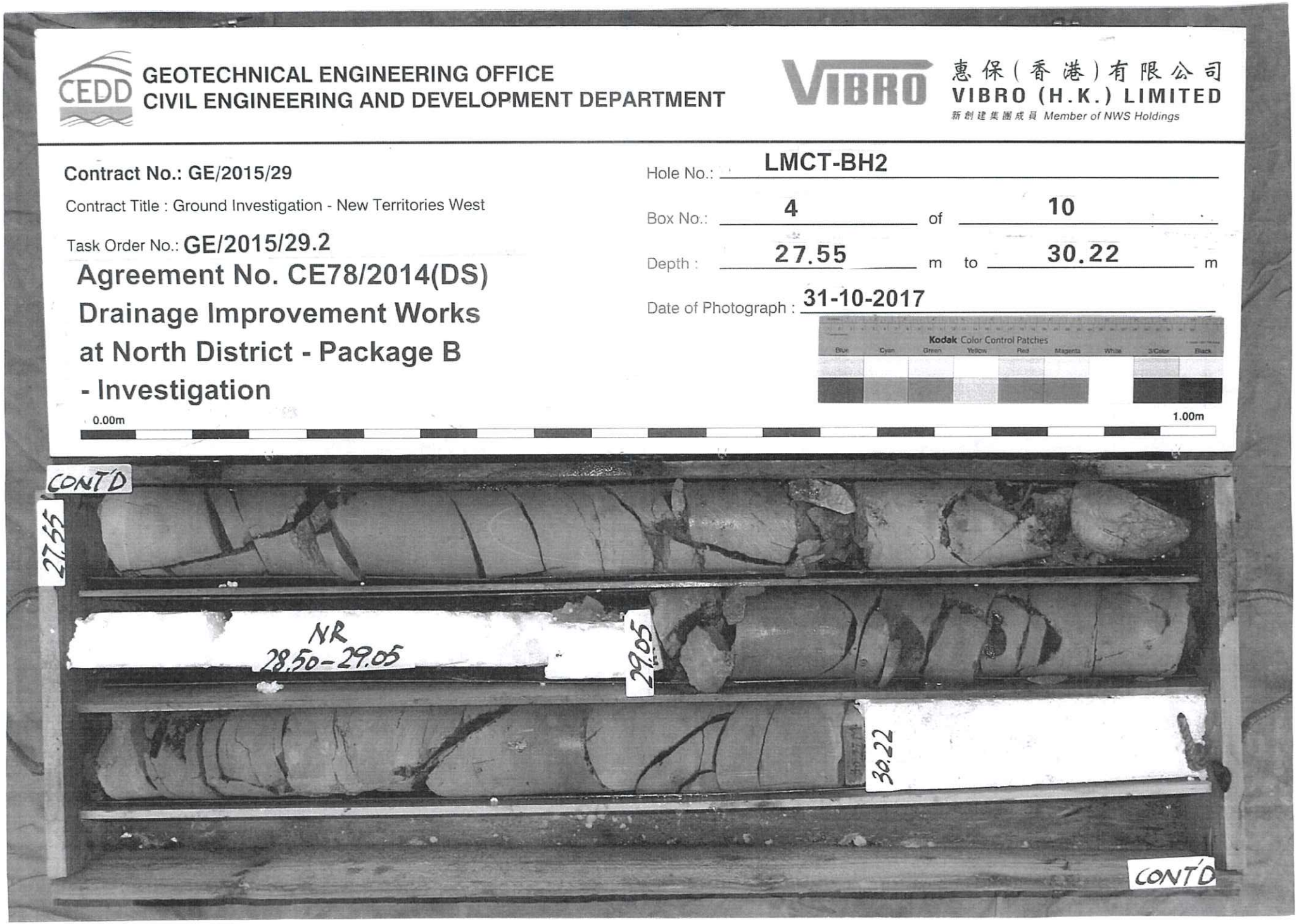
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 4 of 10

Depth : 27.55 m to 30.22 m

Date of Photograph : 31-10-2017



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
岩創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 5 of 10

Depth : 30.22 m to (32.99) m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

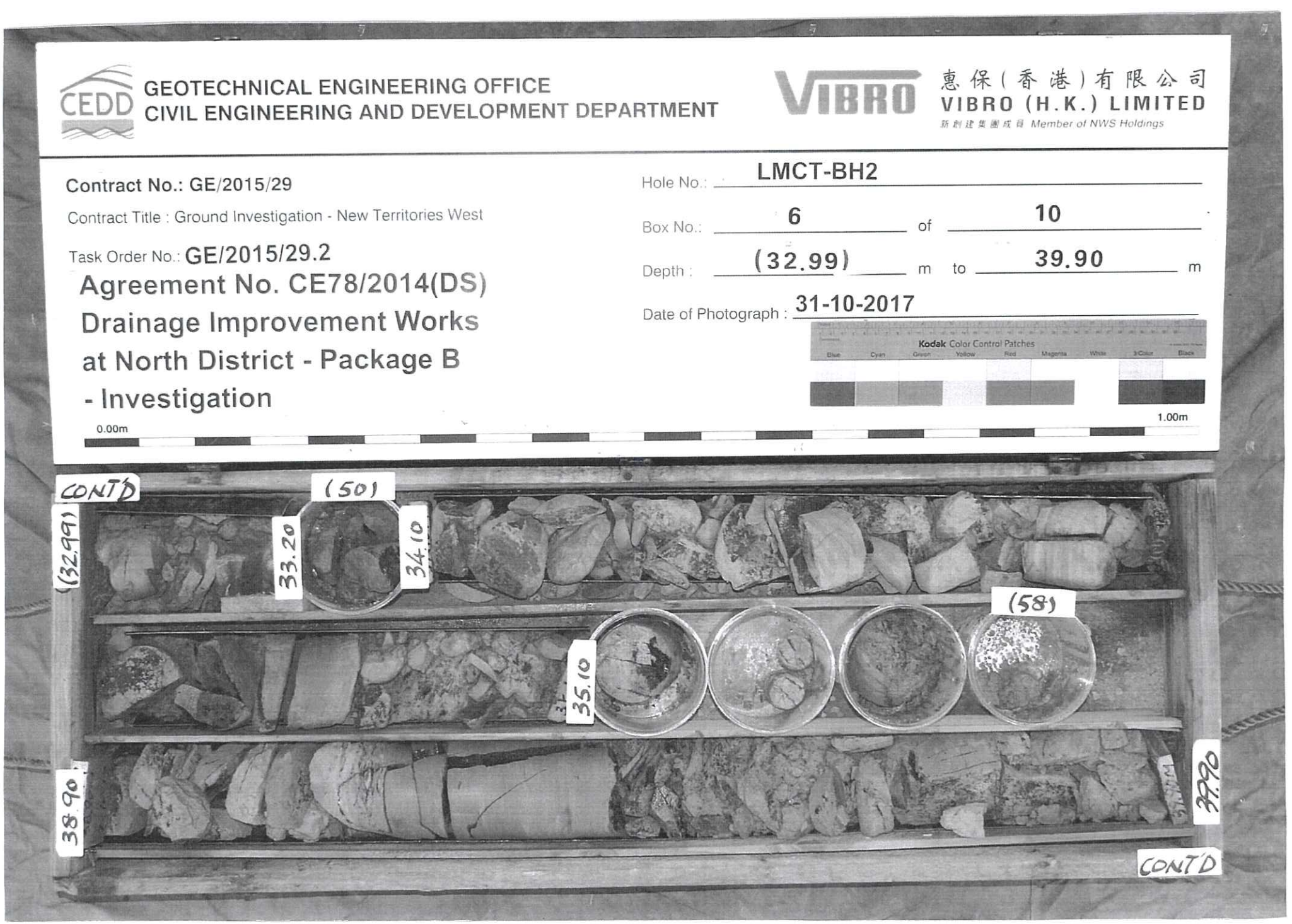
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 6 of 10

Depth : (32.99) m to 39.90 m

Date of Photograph : 31-10-2017



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 7 of 10

Depth : 39.90 m to 42.58 m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 8 of 10

Depth : 42.58 m to 45.34 m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO 惠保(香港)有限公司
VIBRO (H.K.) LIMITED
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

Agreement No. CE78/2014(DS) Drainage Improvement Works at North District - Package B - Investigation

Hole No.: LMCT-BH2

Box No.: 9 of 10

Depth : 45.34 m to (48.12) m

Date of Photograph : 31-10-2017

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

VIBRO (H.K.) LIMITED
惠保(香港)有限公司
新創建集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

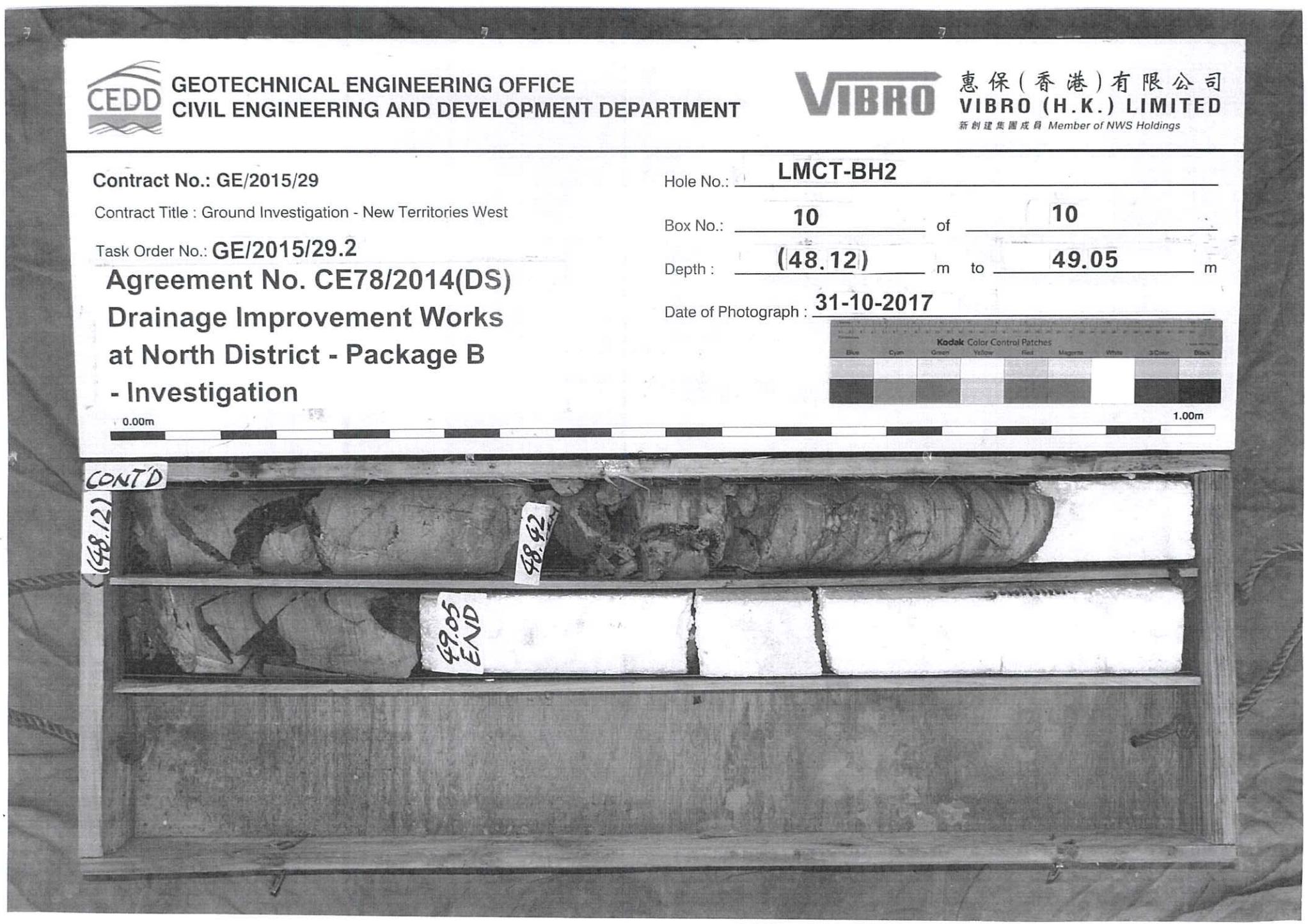
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 10 of 10

Depth : (48.12) m to 49.05 m

Date of Photograph : 31-10-2017



GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.

GROUND INVESTIGATION DEPARTMENT

HOLE NO. **SBF/DH10**

SHEET 1 OF 1

DRILLHOLE RECORD

CONTRACT NO. TC N307

PROJECT **Construction of A Secondary Boundary Fence - Stage 1**

METHOD	**Rotary Cored**	CO-ORDINATES **E 826647.23** **N 841934.82**	WORKS ORDER NO. **ASD 010414**
MACHINE & NO.	**DR113**		DATE FROM **20/04/2005** TO **20/04/2005**
FLUSHING MEDIUM	**Water**	ORIENTATION **Vertical**	GROUND LEVEL **6.74** mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
0 20/04/2005	HX							INSPECTION PIT A B	6.74	0.00			Yellowish red (5YR 5/8), silty fine to medium SAND with some angular to subangular fine to coarse gravel sized moderately strong rock fragments. (FILL)
									5.94	0.50 0.80			
1	HX 1.26		99	99	91	8.7		T2|O|				III	Moderately strong, reddish brown, moderately decomposed meta-SANDSTONE. Joints are closely spaced, occasional very closely and medium spaced, rough and smooth planar, rough undulating, extremely narrow to occasional very narrow, limonite, iron and manganese oxide stained, dipping at 0° to 10°, 20° to 30° and 30° to 40°. From 1.71m to 1.98m : Subvertical joint.
			100	98	0	14.9		T2|O|		1.26			
2			100	92	56					1.60			
						20 12.1		T2|O|					
3 20/04/2005		1.23m at 18:00							3.71	3.03			Hole completed at 3.03m.
4													
5													
6													
7													
8													
9													
10													

- SMALL DISTURBED SAMPLE
- LARGE DISTURBED SAMPLE
- SPT LINER SAMPLE
- U76 UNDISTURBED SAMPLE
- U100 UNDISTURBED SAMPLE
- MAZIER SAMPLE
- PISTON SAMPLE
- WATER SAMPLE
- PIEZOMETER TIP
- STANDPIPE
- STANDARD PENETRATION TEST
- PERMEABILITY TEST
- IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PACKER TEST

LOGGED **Y.K. Lee**

DATE **21/04/2005**

CHECKED **Tom Lo**

DATE **22/04/2005**

REMARKS


GEOTECHNICS & CONCRETE ENGG (HK) LTD
CONTRACT NO. TC N307
ARCHITECTURAL SERVICES DEPARTMENT
TERM CONTRACT FOR GROUND INVESTIGATION
SITE : CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - STAGE 1
W.O. NO.: ASD 010414
HOLE NO.: DH 10
DEPTH : 0.00 M TO 3.03 M
DATE: 24-5-2005
BOX 1 OF 1
0.0m
0.5m
1.0m
KODAK Color Control Patches
Kodak
0.00
0.80
1.26
1.60
3.03 END

GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.

GROUND INVESTIGATION DEPARTMENT

HOLE NO. **SBF/DH11**

SHEET 1 OF 2

DRILLHOLE RECORD

CONTRACT NO. TC N307

PROJECT **Construction of A Secondary Boundary Fence - Stage 1**

METHOD	**Rotary Cored**	CO-ORDINATES **E 826386.01** **N 841754.65**	WORKS ORDER NO. **ASD 010414**
MACHINE & NO.	**DR129**		DATE FROM **24/04/2005** TO **26/04/2005**
FLUSHING MEDIUM	**Water**	ORIENTATION **Vertical**	GROUND LEVEL **4.86** mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
0 24/04/2005	PX							A INSPECTION PIT	4.86	0.00			Firm, yellowish brown (10YR 5/8), dappled grey, sandy clayey SILT with some angular to subangular fine to coarse gravel sized moderately weak to moderately strong rock fragments. (FILL)
1								B		0.50			
										1.00			
								C	3.36	1.50			Yellowish brown (10YR 5/8), clayey silty fine to coarse SAND with much angular fine to medium gravel sized rock fragments. (FILL)
2 24/04/2005 25/04/2005		Dry at 18:00						D	2.86	2.00			Greyish brown (2.5Y 5/2), clayey silty fine to coarse SAND with much angular to subangular fine to coarse gravel sized moderately strong and strong rock and quartz fragments. (ALLUVIUM)
		Dry at 08:00	80					1					
3								2	1.76	3.10			
							1,1 1,1,1,2 N=5	3					Loose, dark grey (7.5YR 4/1), clayey silty fine to coarse SAND. (ALLUVIUM)
4	PX 4.00 HX							4		3.55			
			85						0.86	4.00			Brownish yellow (10YR 6/8), slightly clayey silty fine to coarse SAND with some subangular fine to medium gravel sized moderately strong rock fragments. (ALLUVIUM)
5 25/04/2005 26/04/2005		0.60m at 18:00						5					
		1.50m at 08:00	0					6	-0.24	5.10			Dark yellowish brown (10YR 3/6), silty fine to medium SAND with much subangular fine to coarse gravel sized moderately strong and strong rock and quartz fragments. (ALLUVIUM)
6								7	-1.34	6.20			Loose to medium dense, yellowish brown (10YR 5/8), sandy subangular fine to medium GRAVEL sized moderately strong rock and quartz fragments. (ALLUVIUM)
							3,2 2,2,3,3 N=10	8		6.65			
7									-2.24	7.10			Yellowish brown (10YR 5/8), slightly sandy subangular medium to coarse GRAVEL with some cobble sized, moderately decomposed, meta-sandstone and occasional quartz fragments. (ALLUVIUM)
			80					T2IOI		7.60			
8			75					T2IOI					
			62					T2IOI		8.40			
9								9	-4.14	9.00		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
							3,9 11,11,14,18 N=54	10	-4.64	9.50		V	Extremely weak, dark yellowish brown, dappled grey (10YR 3/6), completely decomposed, meta-CONGLOMERATE / meta-SILTSTONE.
10			30					11					

- SMALL DISTURBED SAMPLE
- LARGE DISTURBED SAMPLE
- SPT LINER SAMPLE
- U76 UNDISTURBED SAMPLE
- U100 UNDISTURBED SAMPLE
- MAZIER SAMPLE
- PISTON SAMPLE
- WATER SAMPLE
- PIEZOMETER TIP
- STANDPIPE
- STANDARD PENETRATION TEST
- PERMEABILITY TEST
- IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PACKER TEST

LOGGED **Y.K. Lee**

DATE **27/04/2005**

CHECKED **Tom Lo**

DATE **28/04/2005**

REMARKS

1. Water sample was taken at a depth of 14.15m.

GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.

GROUND INVESTIGATION DEPARTMENT

HOLE NO. **SBF/DH11**

SHEET **2** OF **2**

DRILLHOLE RECORD

CONTRACT NO. TC N307

PROJECT **Construction of A Secondary Boundary Fence - Stage 1**

METHOD	**Rotary Cored**	CO-ORDINATES **E 826306.01** **N 841754.65**	WORKS ORDER NO. **ASD 010414**
MACHINE & NO.	**DR129**		DATE FROM **24/04/2005** TO **26/04/2005**
FLUSHING MEDIUM	**Water**	ORIENTATION **Vertical**	GROUND LEVEL **4.86** mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
10	HX							12	-5.74	10.00 10.60		V	(Silty fine SAND with much subangular fine to medium coarse gravel sized moderately strong rock and qartz fragments)
11			90					13				V	Extremely weak, yellowish red (5YR 5/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
								14	-6.84	11.70			
12							4,7 9,18,26,40 N93	15				V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
	HX 12.60							16		12.15			
			90					17	-7.74	12.60		V	Extremely weak, yellowish brown (10YR 5/8), dappled grey, completely decomposed, meta-CONGLOMERATE / meta-SILTSTONE. (Clayey silty fine to medium SAND with much subangular fine to medium gravel sized moderately strong rock and qartz fragments)
13								18	-8.84	13.70			
14		0.80m at 18:00					5,8 11,19,29,43 N102	19				V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
26/04/2005								20	-9.29	14.15			Hole completed at 14.15m.
15								21					
16													
17													
18													
19													
20													

- SMALL DISTURBED SAMPLE
- LARGE DISTURBED SAMPLE
- SPT LINER SAMPLE
- U76 UNDISTURBED SAMPLE
- U100 UNDISTURBED SAMPLE
- MAZIER SAMPLE
- PISTON SAMPLE
- WATER SAMPLE
- PIEZOMETER TIP
- STANDPIPE
- STANDARD PENETRATION TEST
- PERMEABILITY TEST
- IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PACKER TEST

LOGGED **Y.K. Lee**

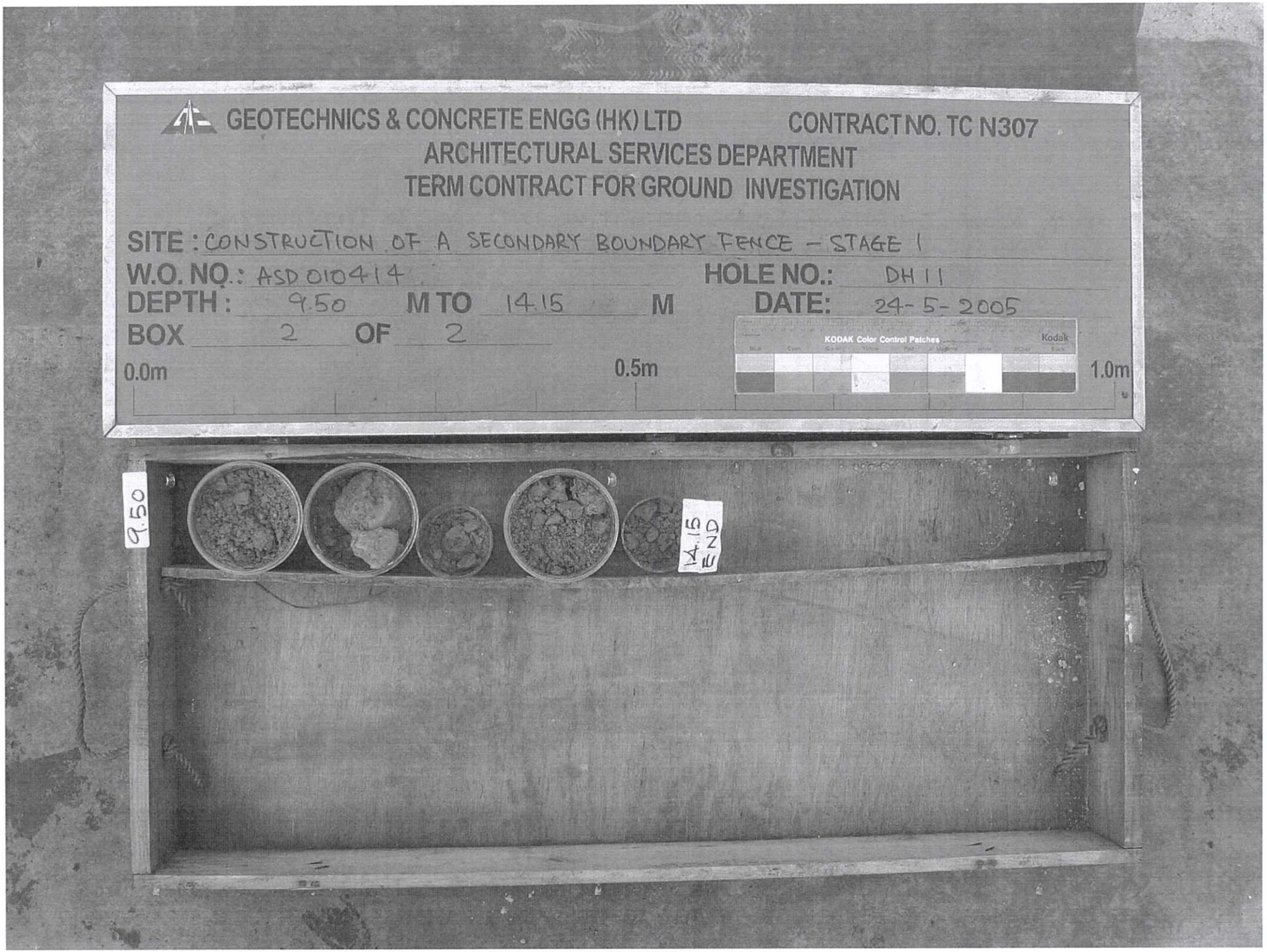
DATE **27/04/2005**

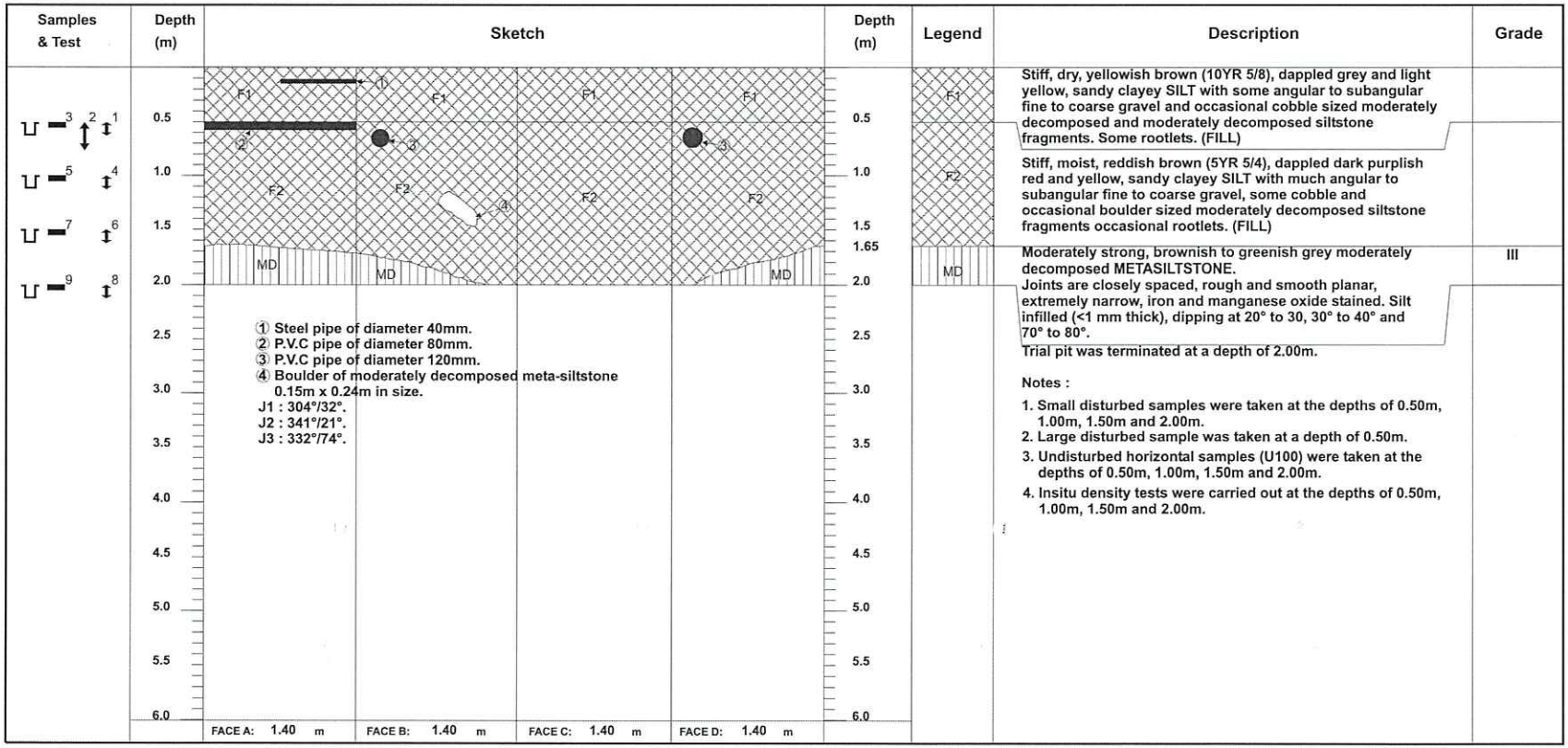
CHECKED **Tom Lo**

DATE **28/04/2005**

REMARKS


GEOTECHNICS & CONCRETE ENGG (HK) LTD
CONTRACT NO. TC N307
ARCHITECTURAL SERVICES DEPARTMENT
TERM CONTRACT FOR GROUND INVESTIGATION
SITE : CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - STAGE 1
W.O. NO. : ASD 010414
HOLE NO. : DH 11
DEPTH : 0.00 M TO 9.50 M
DATE: 24-5-2005
BOX 1 OF 2
0.0m
0.5m
1.0m
KODAK Color Control Patches
Kodak
0.00
7.10
7.60
8.40
9.00
9.50


GEOTECHNICS & CONCRETE ENGG (HK) LTD
CONTRACT NO. TC N307
ARCHITECTURAL SERVICES DEPARTMENT
TERM CONTRACT FOR GROUND INVESTIGATION
SITE : CONSTRUCTION OF A SECONDARY BOUNDARY FENCE - STAGE 1
W.O. NO.: ASD010414
HOLE NO.: DH 11
DEPTH : 9.50 M TO 14.15 M
DATE: 24-5-2005
BOX 2 OF 2
0.0m
0.5m
1.0m
KODAK Color Control Patches
Kodak
9.50
14.15
END



Notes :

1. Small disturbed samples were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m.
2. Large disturbed sample was taken at a depth of 0.50m.
3. Undisturbed horizontal samples (U100) were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m.
4. Insitu density tests were carried out at the depths of 0.50m, 1.00m, 1.50m and 2.00m.

SYMBOLS

- Small Disturbed Sample
- Large Disturbed Sample
- Undisturbed Vertical Sample
- Undisturbed Horizontal Sample
- Block Sample
- Insitu Density Test
- Water Sample
- Water Seepage

REMARKS

Ground Water
Nil

Plant Used
Hand dug

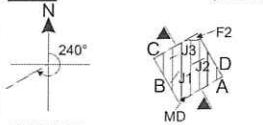
Shoring
Timber shoring over full height

Stability
Stable

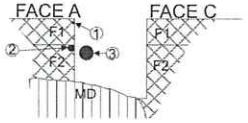
Depth at pit centre
2.00m

Others
Nil

PLAN (not to scale)



SECTION



Contract No.	:	TC N307
Works Order No.	:	ASD 010414
Co-ordinates	:	
E 826873.76		N 842137.33
Ground Level	:	6.44 mPD
Logged by	:	Y.K. Lee
Date logged	:	13/04/2005
Checked by	:	Tom Lo
Date Checked	:	14/04/2005

PROJECT

Construction of A Secondary Boundary Fence - Stage 1

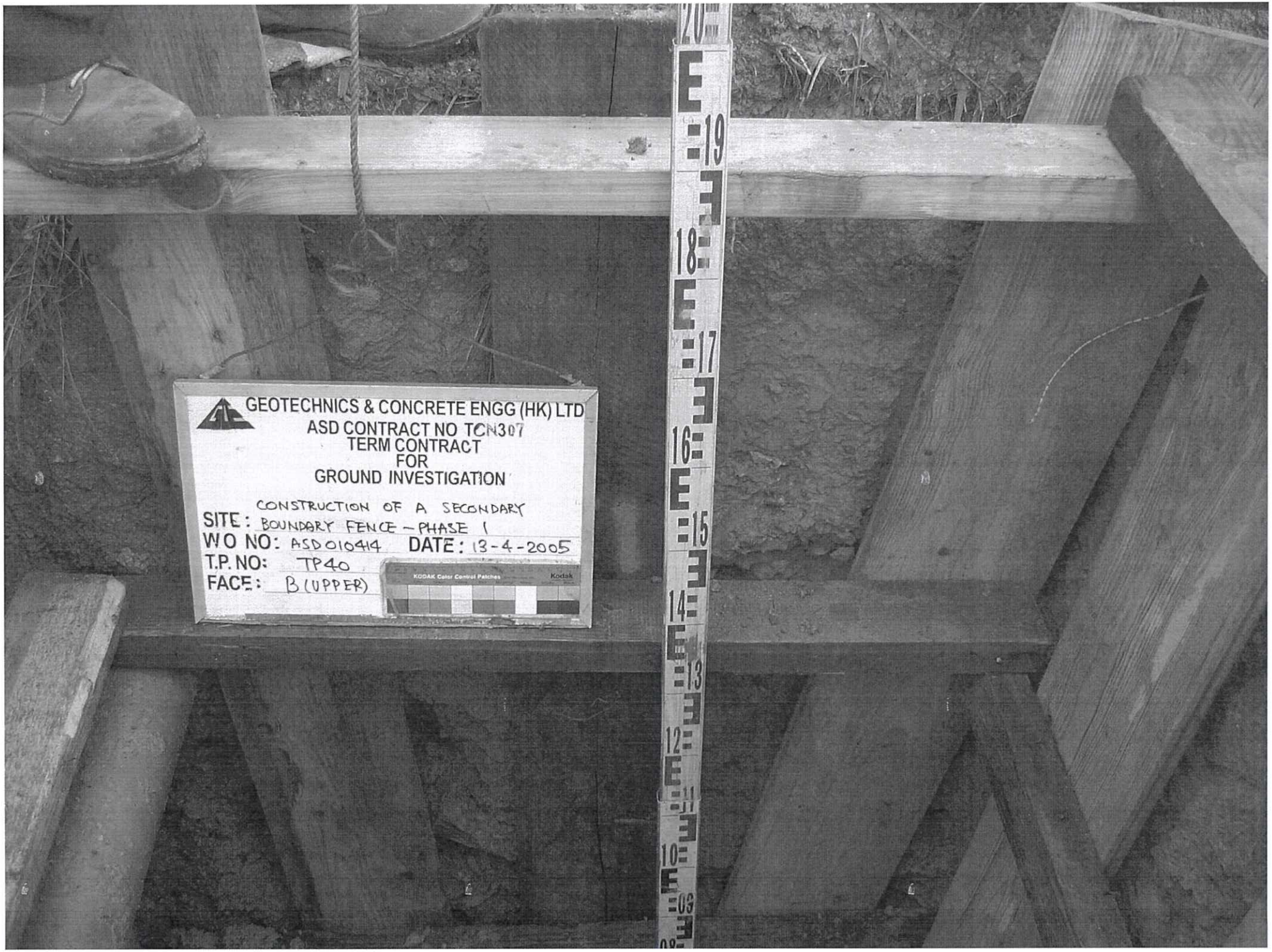
Sheet	1	of	1	
Date excavated	12/04/2005	to	12/04/2005	
Date Reinstated	16/04/2005	to	16/04/2005	

TRIAL PIT NO.
SBF/TP40

GEOTECHNICS & CONCRETE ENGG. (HONG KONG) LIMITED
GROUND INVESTIGATION DEPARTMENT


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: A (UPPER)


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: A (LOWER)


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: B (UPPER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W.O NO: ASD010914 DATE: 13-4-2005
T.P. NO: TP40
FACE: B (LOWER)
KODAK Color Control Patches
Kodak
13
12
11
10
09
08
07
06
05
04
03
02
01


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
WO NO: ASD010414
DATE: 13-4-2005
T.P. NO: TP40
FACE: C (UPPER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
WO NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: C (LOWER)


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE : BOUNDARY FENCE – PHASE 1
W O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: D (LOWER)
KODAK Color Control Patches
15
14
13
12
11
10
09
08
07
06
05
04
03
02
01


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE – PHASE 1
W.O NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: D (UPPER)
KODAK Color Control Patches
Kodak


GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION
SITE: CONSTRUCTION OF A SECONDARY BOUNDARY FENCE – PHASE 1
W.O NO: ASD010414
DATE: 13-4-2005
T.P. NO: TP40
FACE: BOTTOM

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75
HOLE NO. BH5
SHEET 1 of 5
DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary

MACHINE & NO. Long Year D-49

FLUSHING MEDIUM Water

CO-ORDINATES
E 826828
N 841746

ORIENTATION

ROCK COREBIT T2. TNW

HOLE DIA. 140mm to 114mm to 89mm P to H to N

GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
5/11	P		60								0.00				
				75						51.19	1.00		XW		Medium dense, yellowish brown and brown, slightly silty fine SAND, relict texture (Extremely weathered SANDSTONE)
											2.00				
				100							3.00		XW to DW		Very dense to weak, brown and reddish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
	4.53 P									48.66	4.00				
	H			70	0	0	*				4.53				
				100	28	11	6			47.29	5.00		DW minor XW to DW		Moderately weak to moderately strong, light grey and reddish brown, distinctly weathered SANDSTONE with layers of extremely to distinctly weathered SANDSTONE
				98	54	33	4		T2	45.74	5.30 5.90 6.45		DW		Moderately strong, reddish brown and white, distinctly weathered SANDSTONE, joints are irregular, mainly closely spaced, dip sub-horizontally
				94	82	42	5				7.00 7.45				
				100	0	0	*			43.99	8.00 8.45 9.00		DW to SW		Moderately strong to strong, light grey and white, distinctly to slightly weathered fine SANDSTONE, joints are closely spaced, planner with limonite staining
				65	0	0	*				9.20 9.45		DW		See sheet 2 of 5
5/11	H		40								10.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P.S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok
DATE 12.11.86
CHECKED
DATE 18.11.86

REMARKS
1. * : Cannot be determined
2. NR : No Recovery

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 2 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary

MACHINE & NO. Long Year D–49

FLUSHING MEDIUM Water

CO–ORDINATES
E 826828
N 841746

ORIENTATION

ROCK COREBIT T2. TNW

HOLE DIA. 140mm to 114mm to 89mm P to H to N

GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
5/11	H		40								10.00				
											10.35				Moderately strong, pale brown and brownish grey, fine to medium grained, distinctly weathered quartzitic SANDSTONE, a layer of fine sandy silt at 10.35m to 10.65m, minor schistorcity at 10.65m to 12.80m, joints are very closely spaced to shattered, rock with abundant incipient joints
				40	12	0	*				11.00				
									T2		11.35		DW		
				19	0	0	*				12.00				
										40.34	12.85				
				NR							13.00	× ×	XW/		Layer of brown, silty SAND (Extremely to distinctly weathered SANDSTONE)
				NR						39.99	13.20	× ×	DW		
											14.00				
				40	9	0	*		T2						
											14.70				
				NR							15.00				Strong to very strong, light grey fine grained, distinctly to slightly weathered SANDSTONE, thin layers of soil at 15.00m to 15.45m and 16.00m to 16.22m, rocks are under minor metamorphism
				NR							15.15				
				62	9	0	*		T2				DW to SW		
											16.00				
				NR							16.22				
	16.72	11.20m at		70	0	0	*								
5/11	H	19:00									16.72				
6/11	N	13.25m at 7:00		90	82	11	*				17.00				
										35.79	17.40				
											17.72		DW		Strong, light grey and white, medium grained, distinctly to slightly weathered quartzitic SANDSTONE, joints are planner and closely spaced some recrystallized quartz crystal
											18.00		to		
		10.80m at		100	53	0	*		T2	34.99	18.20		SW		
6/11		19:00								34.57	18.62	× ×	XW		
7/11		16.20m at 7:00		90	53	0	*				19.00		DW to SW		Layer of red, reddish brown, silty fine SAND (Extremely weathered fine SANDSTONE)
											19.72				See sheet 3 of 5
7/11	N		40								20.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P:S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED

DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 3 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
7/11	N		40	100	92	0	*				20.00				
											20.70		DW to SW		Moderately strong to strong, white and light grey, fine to medium grained, distinctly to slightly weathered quartzitic SANDSTONE, joints are closely spaced, minor limonite, rocks are rich in incipient joints, sheared joints at 19.45m to 19.50m
				94	55	21	*			31.54	21.00				
									T2		21.65				
				100	95	44	*				22.00				
		12.30m at 19:00									22.65				
				100	100	27	*				23.00				
7/11											23.32				
8/11		21.65m at 7:00		65	0	0	*				23.80				
	24.50 N			42	10	0	*				24.00				
											24.50				
				59	25	0	*				25.00				Strong, light grey and white, fine to medium grained, slightly weathered quartzitic SANDSTONE, joints are closely to moderately spaced from 21.70m to 23.20m, closely spaced from 23.20m to 37.00m, joints are irregular, rough with iron staining, dip mainly 25°, 65° and sub-vertically, minor joint fault zone at 28.50m to 28.90m some recrystallized quartz crystal
				100	45	0	*				25.32				
											25.65				
				98	58	28	*				26.00		SW		
											26.32				
				100	85	0	*		TNW		26.85				
				57	63	0	*				27.00				
											27.45				
				55	0	0	*				28.00				
		18.10m at 19:00									28.95				
8/11															
10/11		26.30m at 7:00		92	0	0	*				30.00				
10/11			40												

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P.S. Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED

DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 4 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
10/11			40	*							30.00				
											30.45				
				73	77	55	*				31.05				
				93	79	10	*				32.00				
											32.25				Strong, light grey and white, fine to medium grained, slightly weathered quartzitic SANDSTONE, joints are closely to moderately spaced from 21.70m to 23.20m, closely spaced from 23.20m to 37.00m, joints are irregular, rough with iron staining, dip mainly 25°, 65° and sub-vertically, minor joint fault zone at 28.50m to 28.90m some recrystallized quartz crystal
				98	45	0	*				33.00				
											33.50		SW		
				91	86	0	*				34.00				
											34.60				
				80	79	0	*		TNW		35.00				
											35.80				
				100	100	40	5				36.00				
10/11		18.20m at 19:00									36.85				
11/11		26.25m at 7:00								16.19	37.00				
				82	69	0	*				37.53		DW & DW to SW		Moderately strong, yellowish brown, fine to medium grained, distinctly weathered and distinctly to slightly weathered SANDSTONE some thin layers of weathered soil minor schistorcity rocks are under low-graded metamorphism
				68	36	0	*				38.00				
											38.23				
				52	0	0	*			14.19	39.00				
				100	40	18	*				39.70		SW		See sheet 5 of 5
11/11			40								40.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P.S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED

DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

DRILLHOLE RECORD

W.O. NO. PW7/2/16.75

HOLE NO. BH5

SHEET 5 of 5

DATE from 5.11.86 to 11.11.86

Lam Geotechnics Limited

PROJECT Site Investigation – Vehicular Border Link – Borrow Area at Mt. Luard

METHOD Rotary	CO-ORDINATES E 826828 N 841746	ROCK COREBIT T2. TNW
MACHINE & NO. Long Year D-49		HOLE DIA. 140mm to 114mm to 89mm P to H to N
FLUSHING MEDIUM Water	ORIENTATION	GROUND LEVEL 53.19 mPD

Drilling Progress	Casing depth/size	Water level/ time/ date	Water Recovery %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
11/11			40								40.00				
				100	73	14	*				40.95		SW		Strong, light grey, fine to medium grained, slightly weathered SANDSTONE, joints are mainly planner, closely spaced, dip at 15°–25°, rocks with minor limonite staining, and abundant incipient joints
				76	68	0	*			11.69	41.50				
										11.19	42.00		XW/ DW		Very dense to very weak, brown and greyish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
				90	85	0	*		TNW		42.20				
											43.00				
				100	82	31	*				43.30		DW to SW		Moderately strong to strong, light grey and brownish grey, distinctly to slightly weathered SANDSTONE, joints are closely to moderately spaced, mainly planner, dip sub-vertically, joint planner with limonite staining
											44.00				
											44.30				
		18.90m at 19:00		93	79	21	*								
11/11			40							8.09	45.10				End of investigation hole at 45.10m
											46.00				
											47.00				
											48.00				
											49.00				
											50.00				

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- P-S Piston sample
- Water sample
- Water Level
- Standard penetration test
- Permeability test
- Piezometer tip
- In situ vane shear test

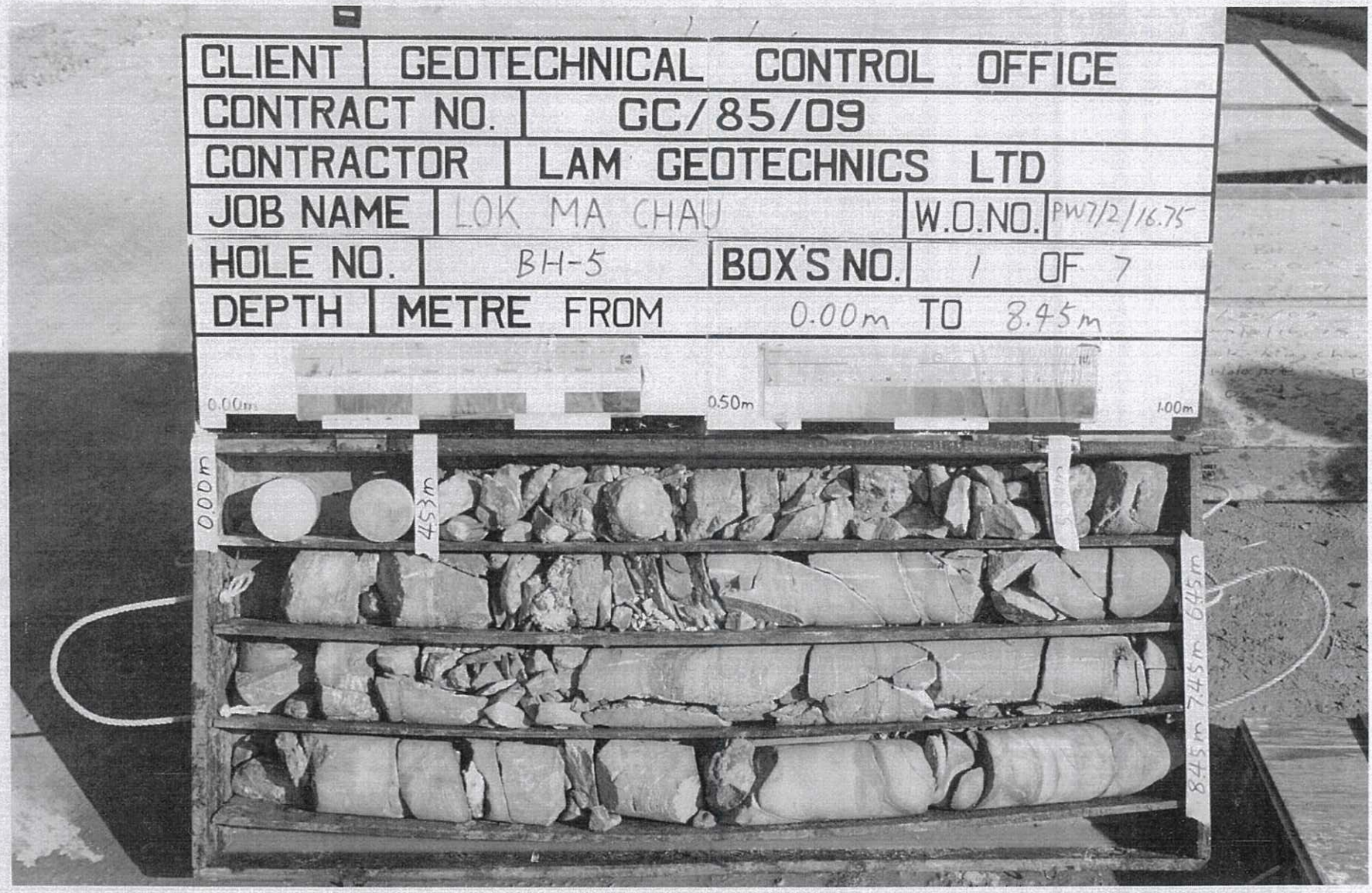
LOGGED K.Y.Kwok

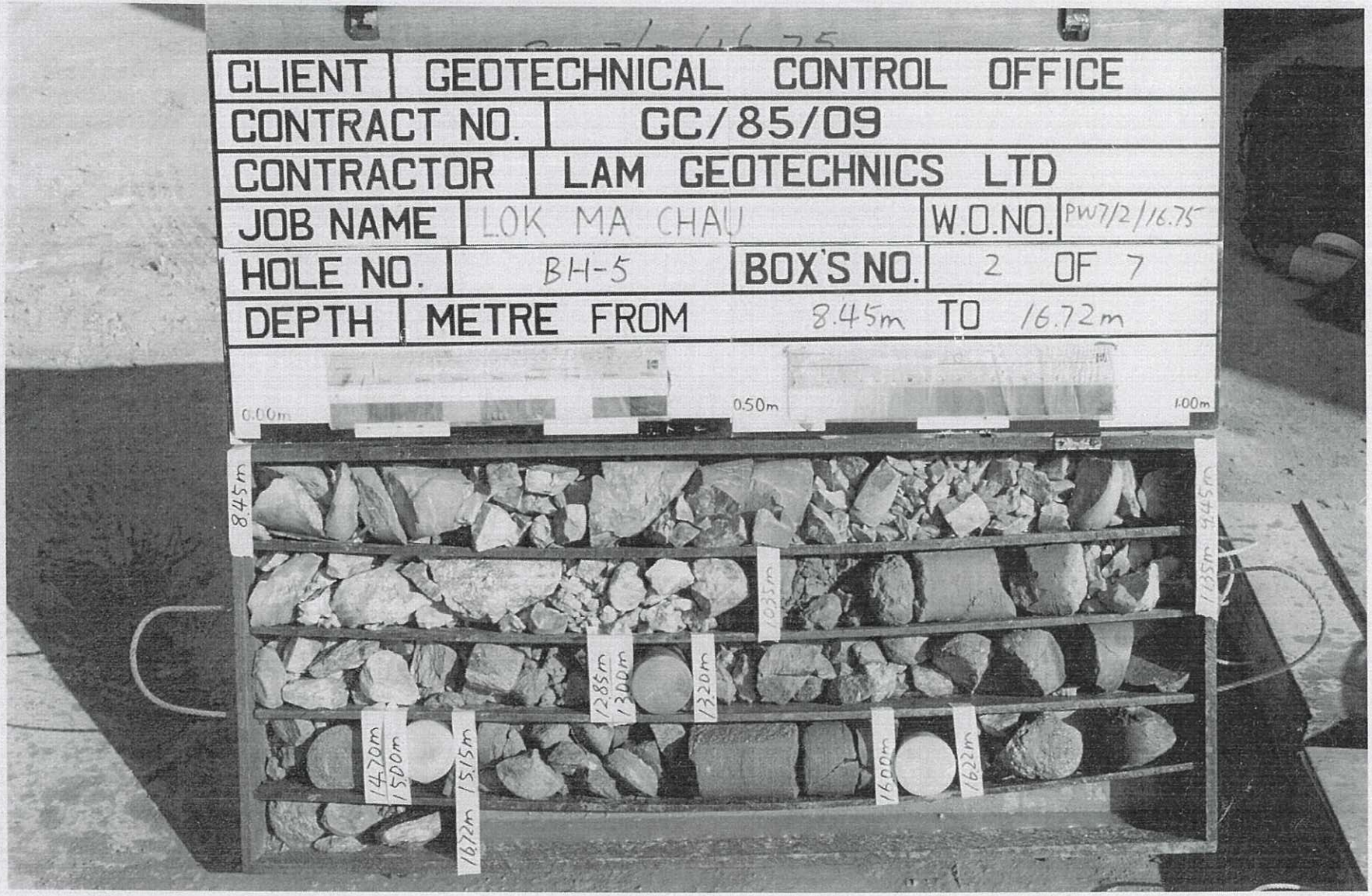
DATE 12.11.86

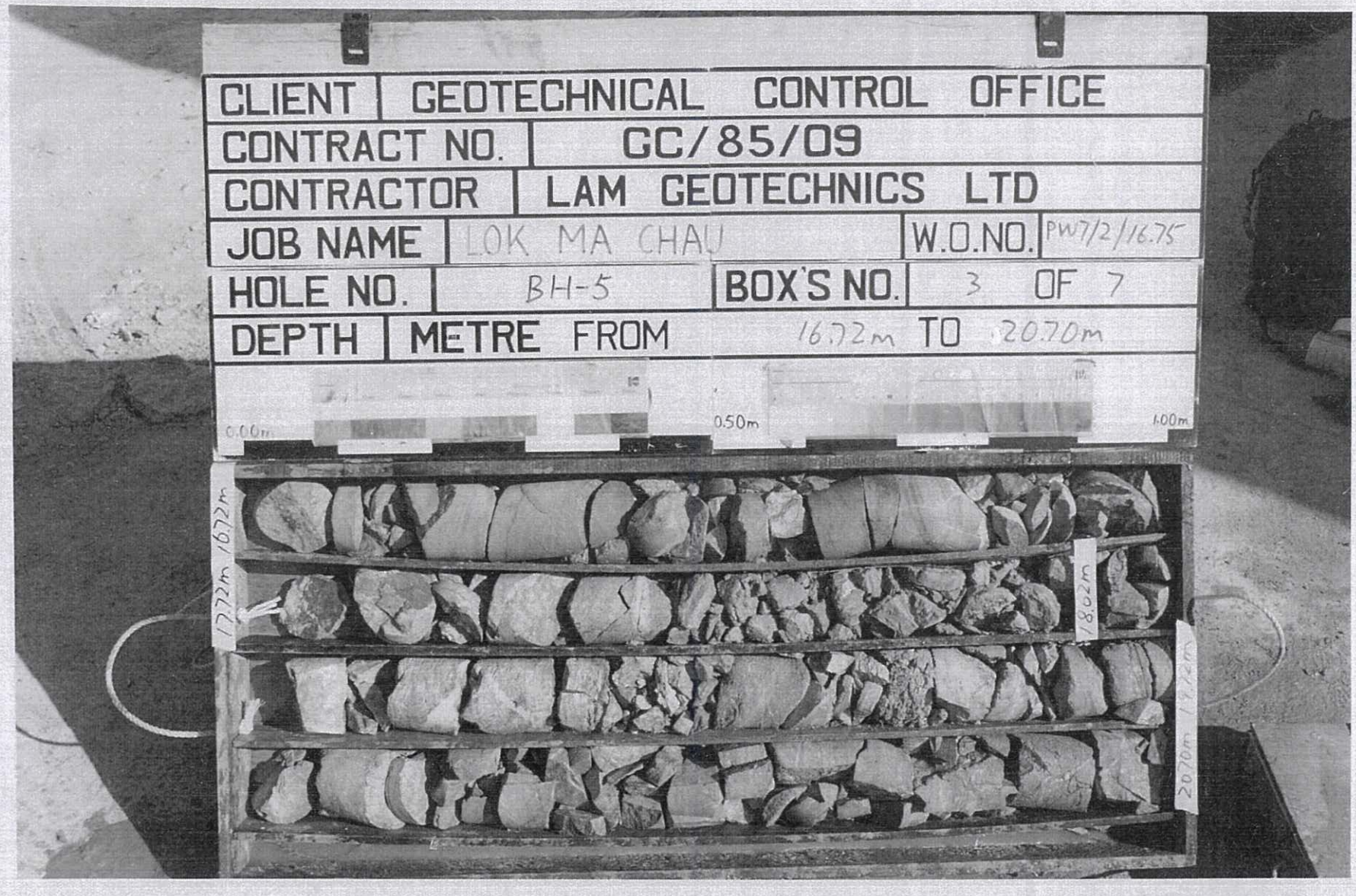
CHECKED

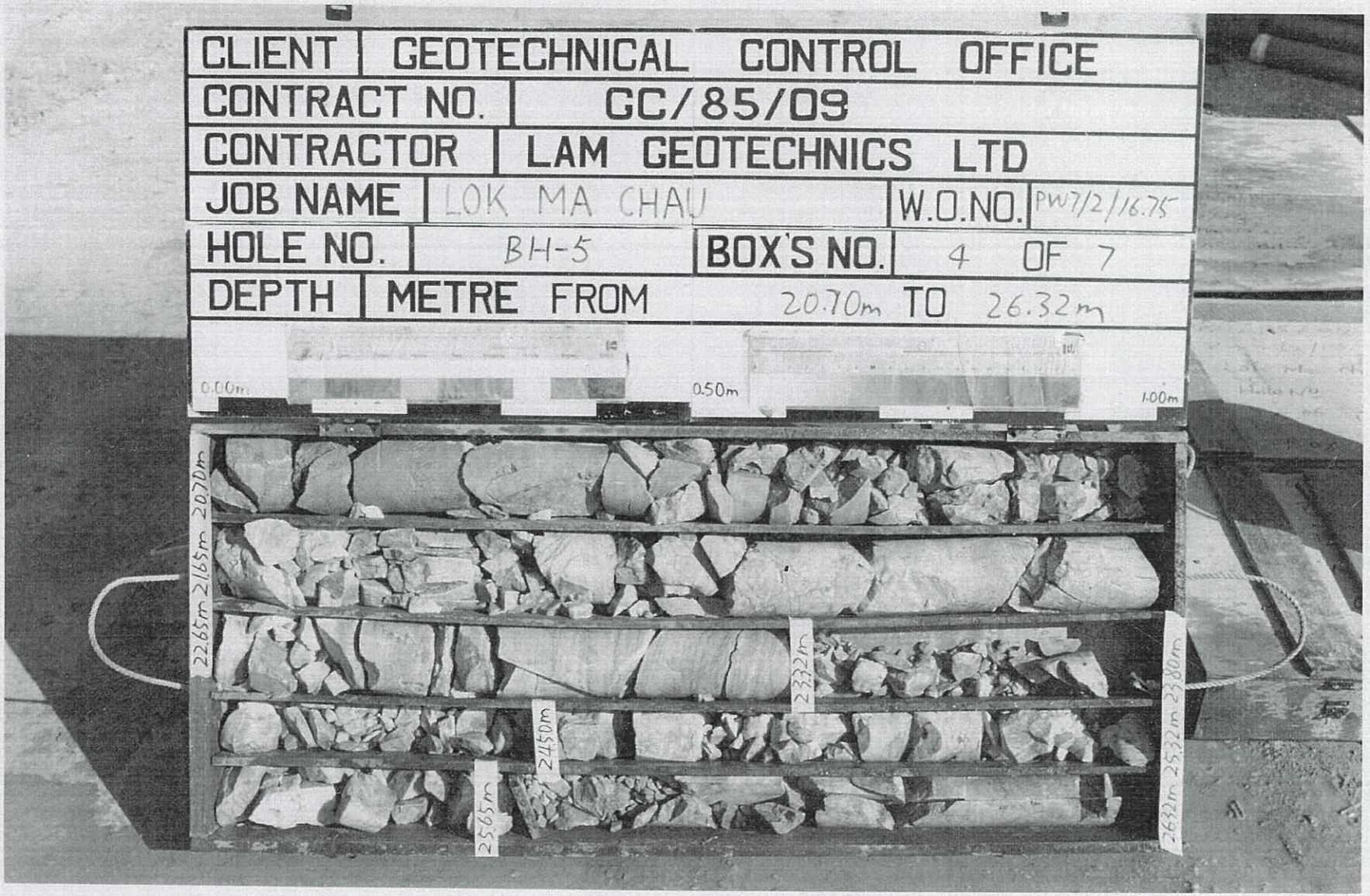
DATE 18.11.86

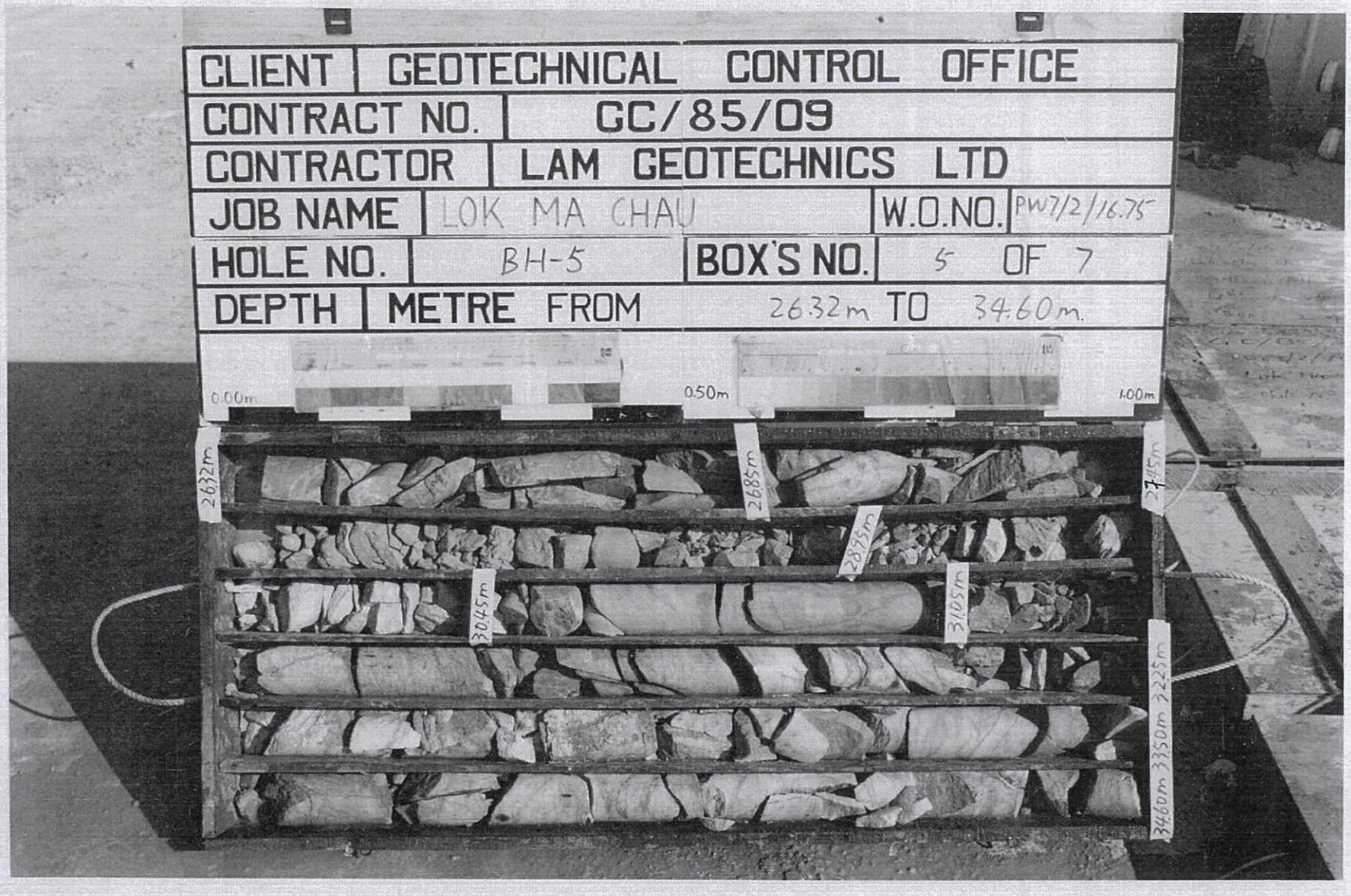
REMARKS

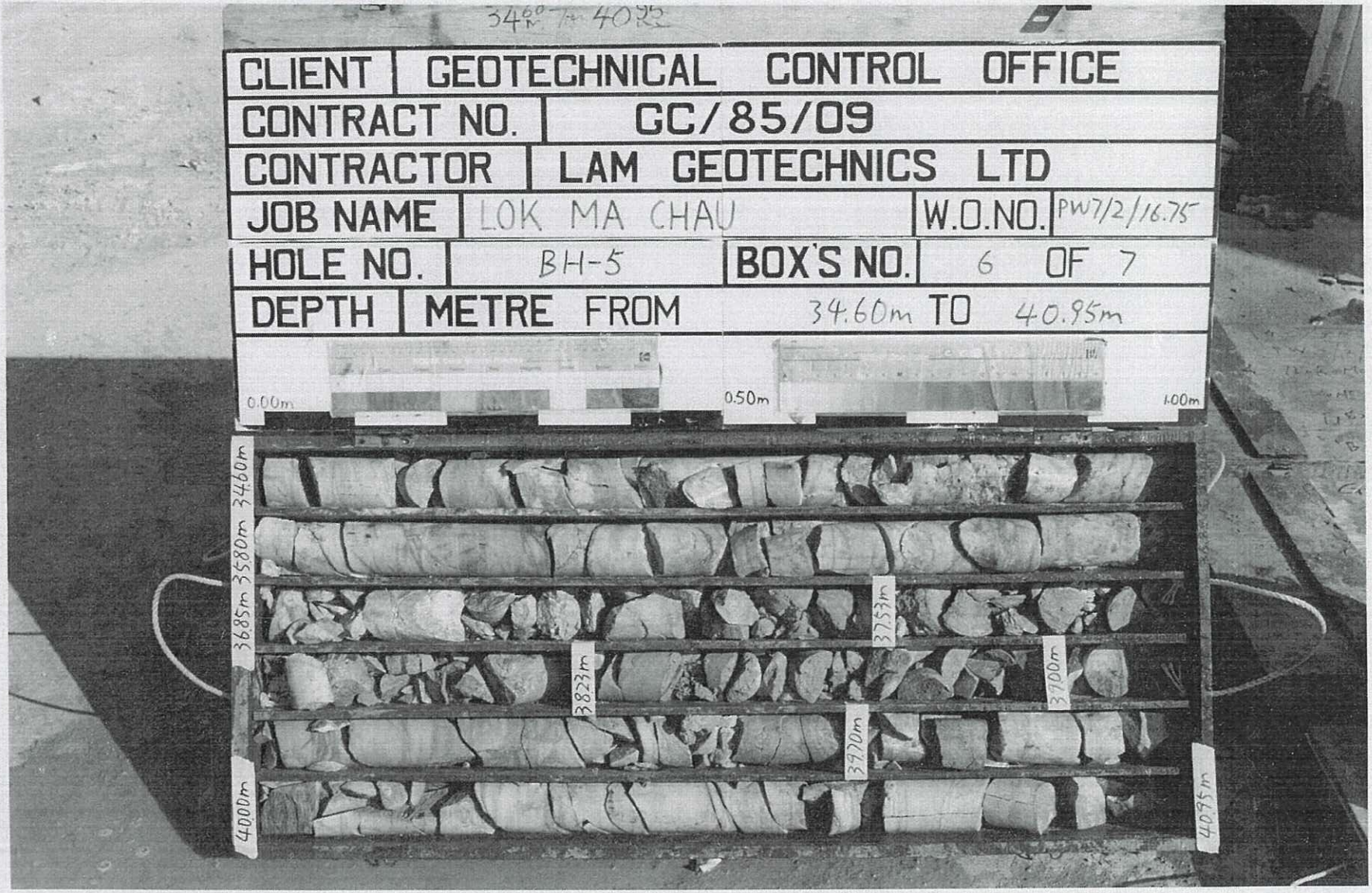

CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME LOK MA CHAU
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 1 OF 7
DEPTH METRE FROM 0.00m TO 8.45m
0.00m
0.50m
1.00m
0.00m
4.53m
8.45m 7.45m 6.45m

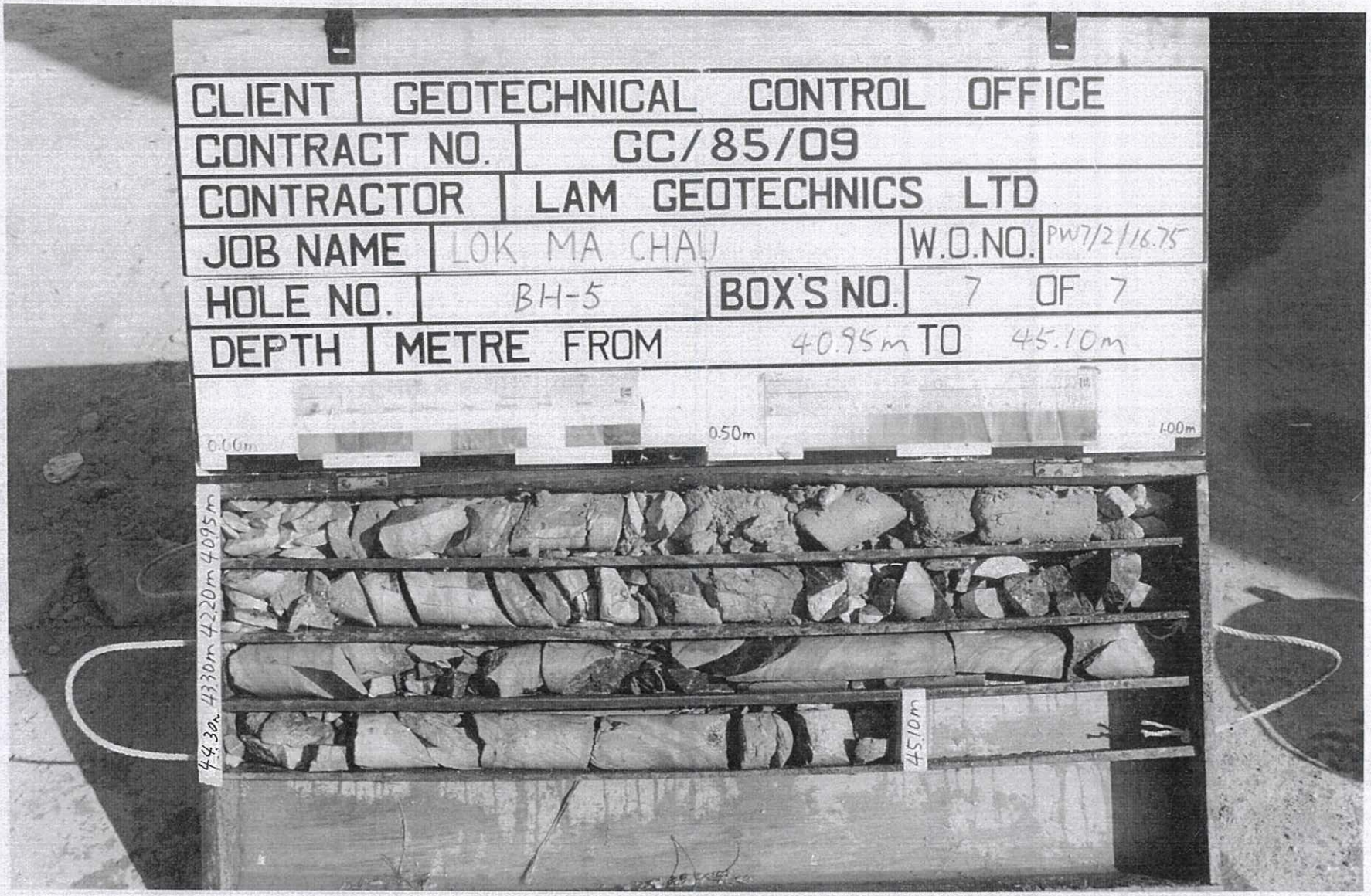

CLIENT | GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. | GC/85/09
CONTRACTOR | LAM GEOTECHNICS LTD
JOB NAME | LOK MA CHAU | W.O.NO. | PW7/2/16.75
HOLE NO. | BH-5 | BOX'S NO. | 2 OF 7
DEPTH | METRE FROM 8.45m TO 16.72m
0.00m
0.50m
1.00m
8.45m
10.35m
11.35m 9.45m
12.85m 13.00m
13.20m
14.70m 15.00m
16.72m 15.15m
16.00m
16.22m


CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME LOK MA CHAU
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 3 OF 7
DEPTH METRE FROM 16.72m TO 20.70m
0.00m
0.50m
1.00m
16.72m
17.22m
18.02m
20.70m


CLIENT | GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. | GC/85/09
CONTRACTOR | LAM GEOTECHNICS LTD
JOB NAME | LOK MA CHAU | W.O.NO. | PW7/2/16.75
HOLE NO. | BH-5 | BOX'S NO. | 4 OF 7
DEPTH | METRE FROM 20.70m TO 26.32m
0.00m
0.50m
1.00m
2265m 2165m 2070m
2565m
2450m
2332m
2632m 2532m 2380m


CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME LOK MA CHAU
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 5 OF 7
DEPTH METRE FROM 26.32m TO 34.60m.
0.00m
0.50m
1.00m
2632m
2685m
2895m
3045m
3105m
3460m 3350m 3225m


34.60m to 40.95m
CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME LOK MA CHAU
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 6 OF 7
DEPTH METRE FROM 34.60m TO 40.95m
0.00m
0.50m
1.00m
3460m
3580m
3685m
3753m
3823m
3700m
3970m
4000m
4095m

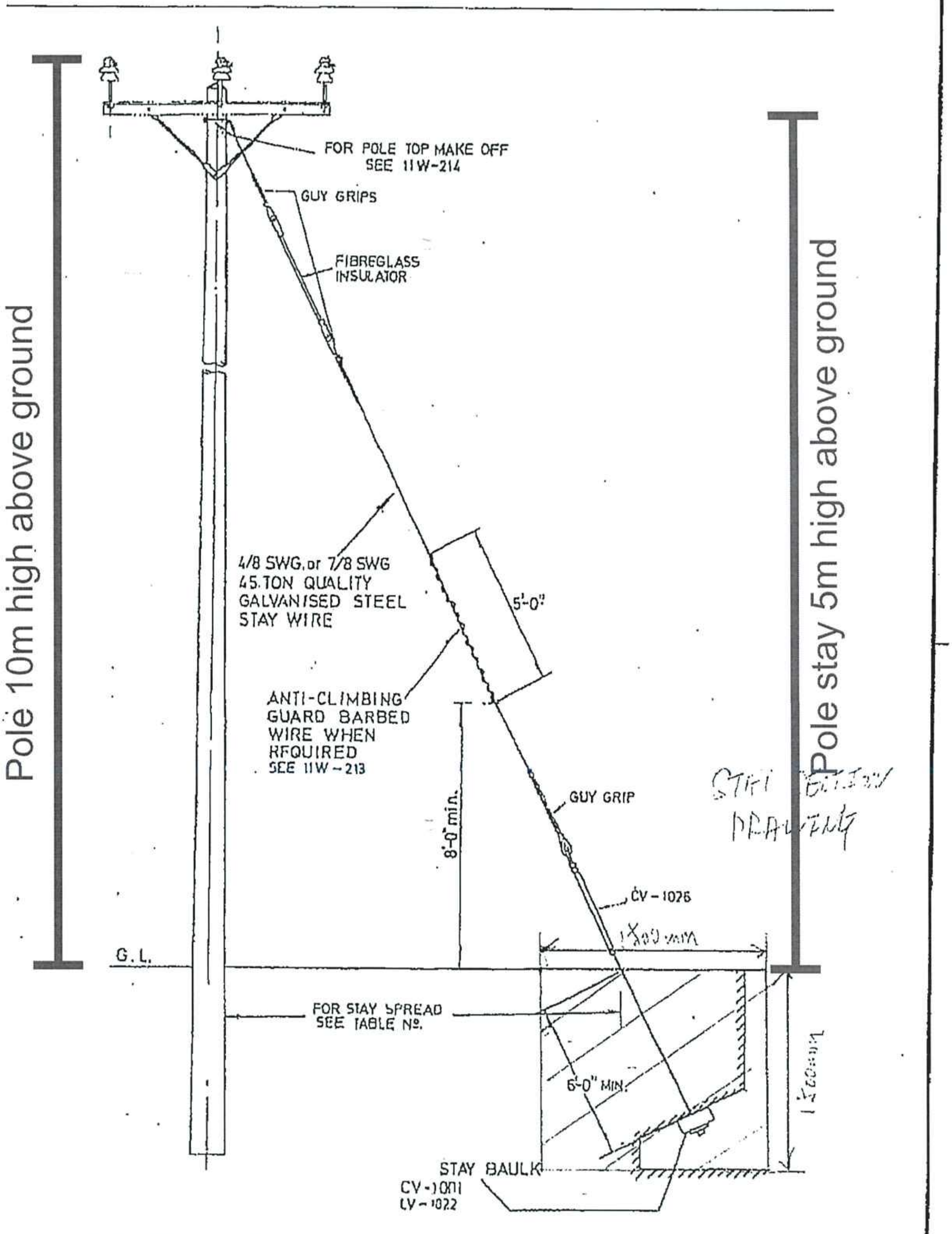

CLIENT GEOTECHNICAL CONTROL OFFICE
CONTRACT NO. GC/85/09
CONTRACTOR LAM GEOTECHNICS LTD
JOB NAME LOK MA CHAU
W.O.NO. PW7/2/16.75
HOLE NO. BH-5
BOX'S NO. 7 OF 7
DEPTH METRE FROM 40.95m TO 45.10m
0.00m
0.50m
1.00m
4430m 4330m 4220m 4095m
4510m

Appendix D has been added

Appendix D

Drg No. 01-A and 01 G A Detail of Pole Stay Photo Illustration for the Pole and Pole Stay

FUGRO



THIS DWG. SUPERSEDES THE DWG. NO. 11W-201 SHEET 1

CLP 中電

REVS.	A	B	C	D	E	F	G	H	J	K	L
INITIAL											

TITLE : 11kV OHL WOOD POLE SPECIFICATION GENERAL ARRANGEMENT OF STAYS (SHEET 1)

DRAWN: T.W.L.	DATE: 6-2-03	PROJECT NO.	CONTRACT NO.
CHECKED: W.M.CHANG	APPROVED: W.M.CHANG		
SCALE: N.T.S.	SHEET(S) IN SET: 1		

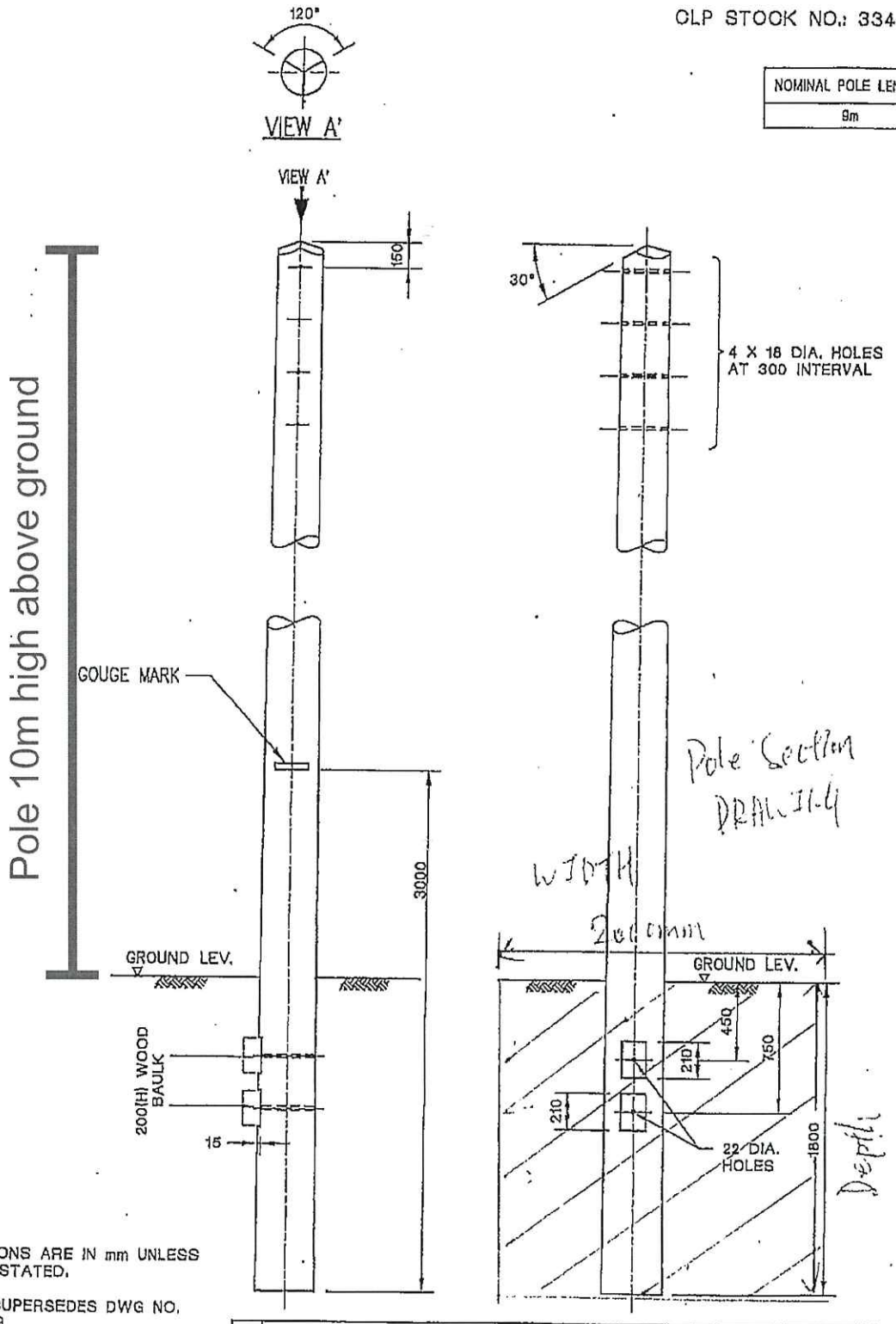
ASSET MANAGEMENT

DRG. NO. T GEN 51220 D E33 0136 01 – A

INFORMATION CLASS: PROPRIETARY

CLP STOCK NO.: 334-500

NOMINAL POLE LENGTH
9m



NOTE:
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.

THIS DWG. SUPERSEDES DWG NO. ESC/G/96-69

G	GOUGE MARK UPDATED TO 3m	F	ADDITIONAL BAULK, GOUGE MARK MEASUREMENT INCREASED

REVS.	28.10.02 A	28.1.03 B	6.10.04 C	30.09.15 D	05.08.16 E	13.03.17 F	01.05.17 G	H	J	K	L
INITIAL	HCCHOW	HCCHOW	F.O.	S.K.LAU	K.L.CHAN	K.L.CHAN	K.L.CHAN				

CLP 中電

DRAWN: S.C.T.	DATE: 17-3-98
CHECKED: Y.N.S	APPROVED:
SCALE: N.T.S.	SHEET(S) IN SET: 1

TITLE :

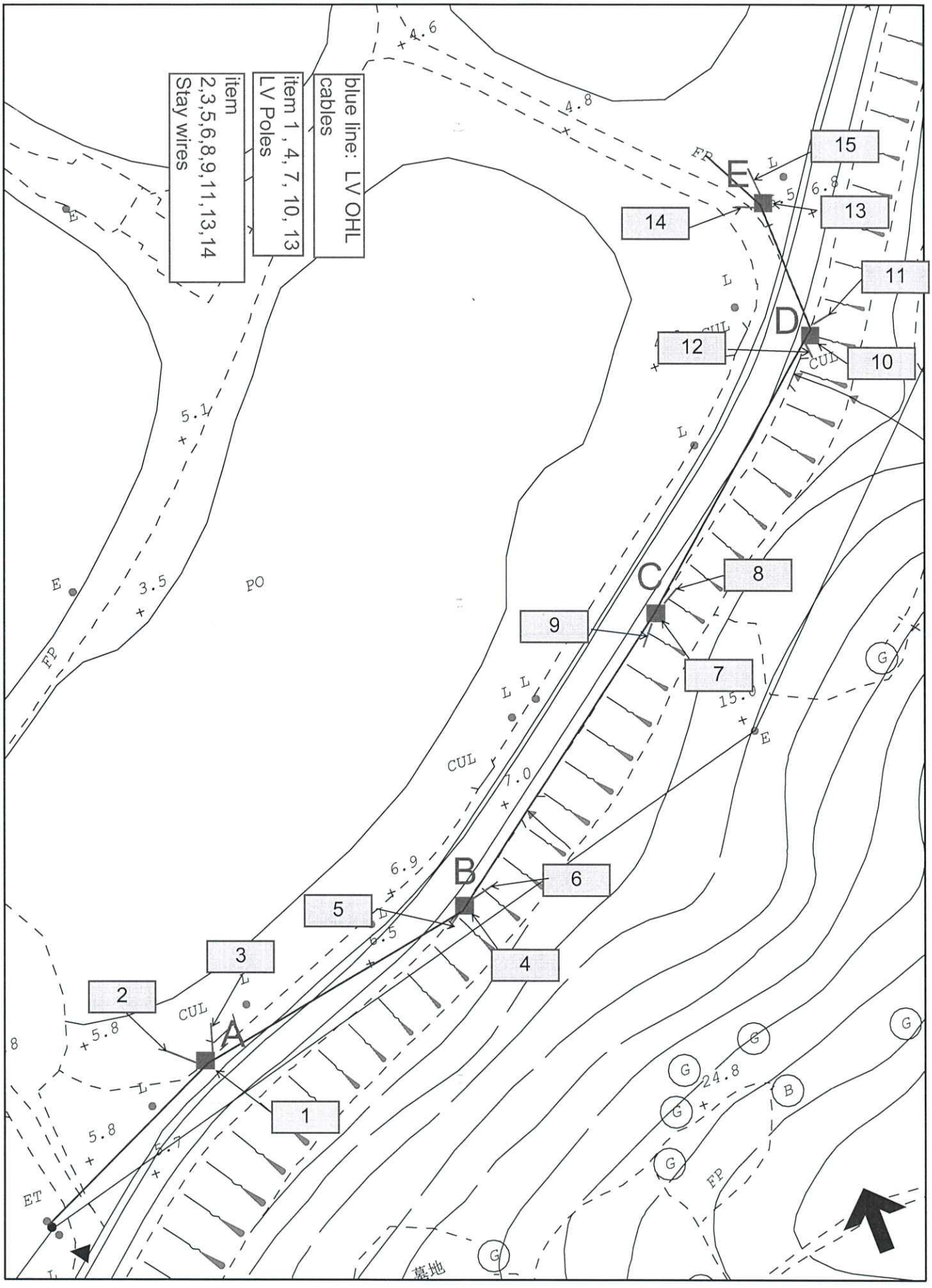
LV OHL WOOD POLE

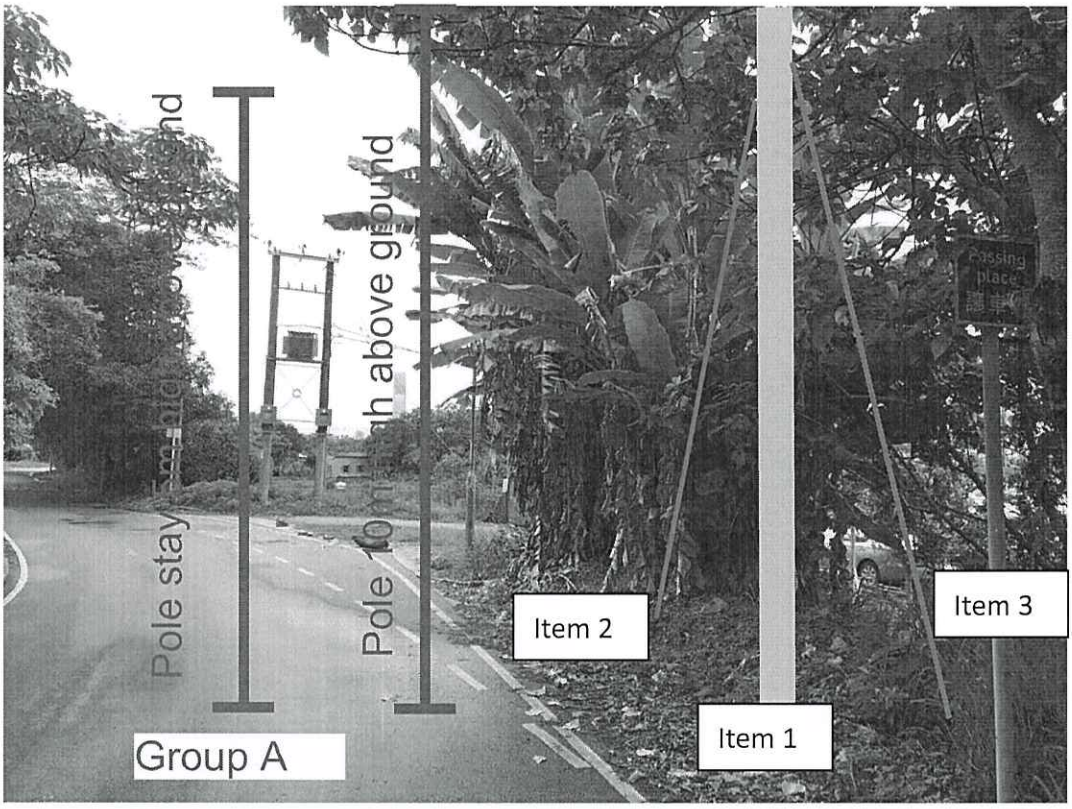
PROJECT NO.	CONTRACT NO.
DRG. NO. TGEN512200DE330240 1 G A	

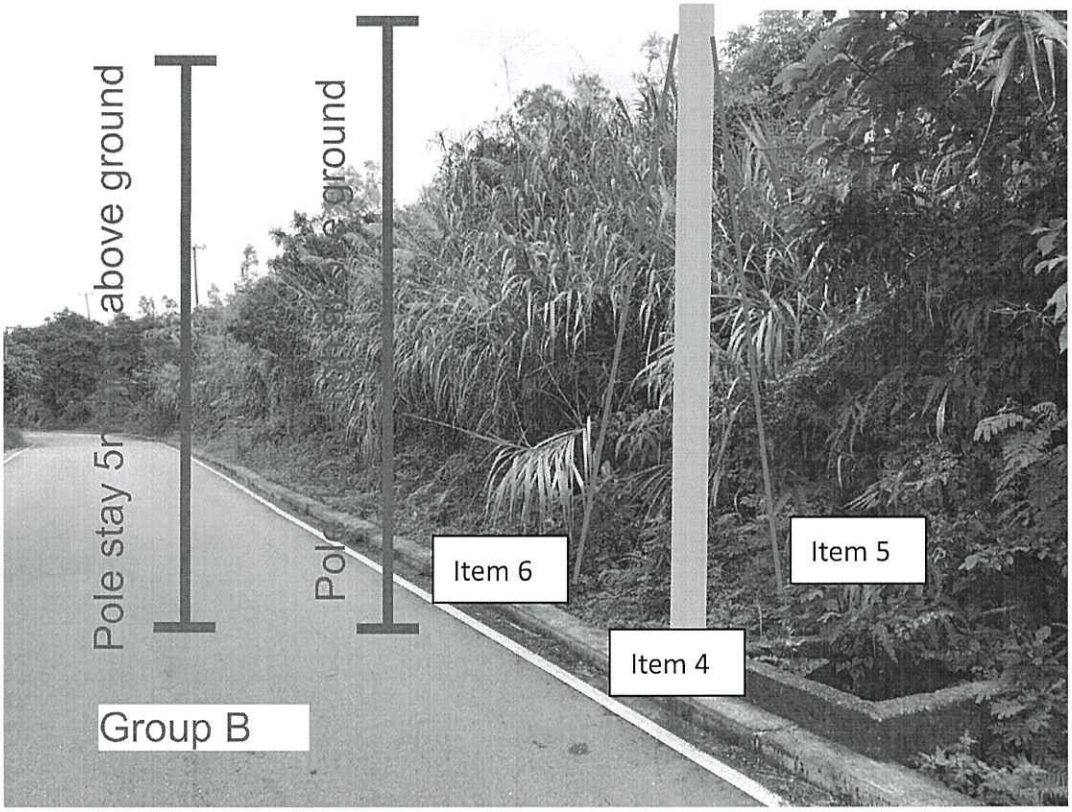
ASSET MANAGEMENT

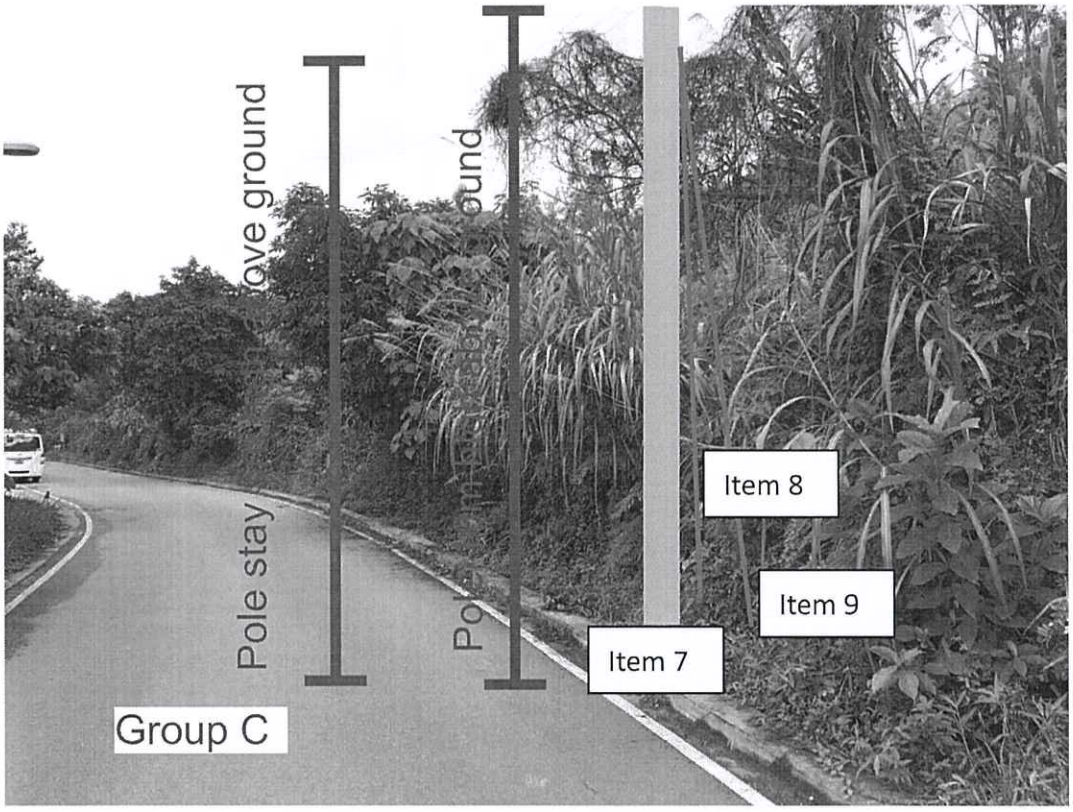
Drg No. 0 1 G A

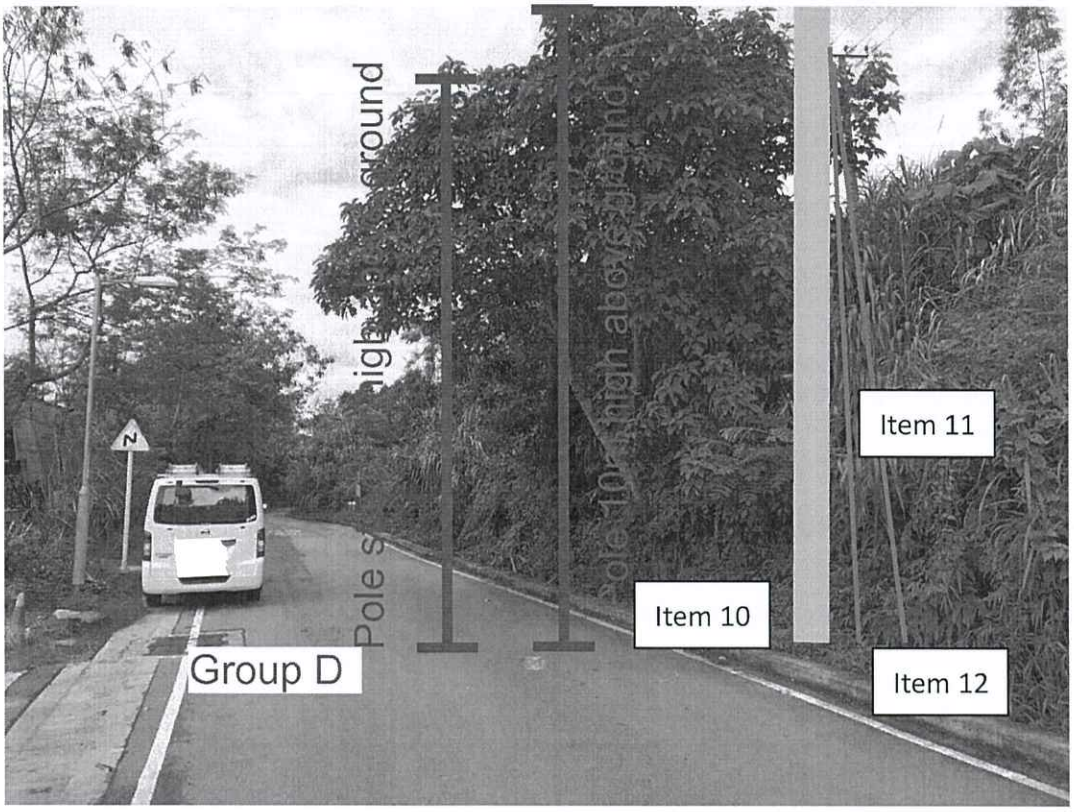
Location Plan of the Pole and Pole Stay

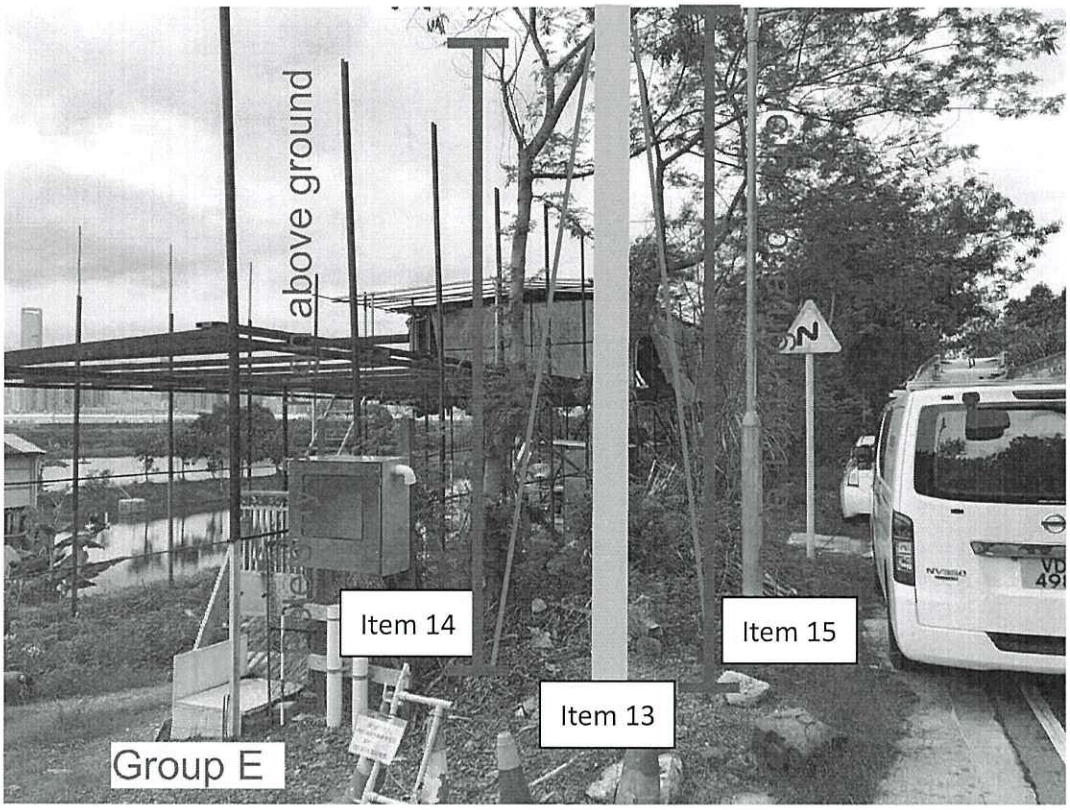



Pole stay
Pole
above ground
Item 2
Item 3
Item 1
Group A


Pole stay 5m
above ground
Item 6
Item 5
Item 4
Group B


Pole stay
Item 8
Item 9
Item 7
Group C


Item 11
Item 10
Item 12
Group D


above ground
Item 14
Item 13
Item 15
Group E

(iii) Purpose for electricity supply

CLP received a submission requesting 60A three phase power supply from applicant Mr. Ko for CCTV, dewater system and fish-farm planned to be used at DD96 Lot 1808 located in Conservation Area (CA) and abut onto Green Blet (GB) on its southern in Lok Ma Chau.
It is inevitable that the supply network, either underground cable or overhead line to be built, must run into CA and GB.

We, CLP, carefully considered several factors such as environment, the load demanded by applicant, capacity of current network possible to meet the demand loading in designing the work plan.
The Overhead Line will be adopted for this power supply as they will have less impact on environment with less volume of excavation than underground cabling.

尊貴的閣下:

本人《高舜麟》農地編號:DD96 地段 1808 地主，申請用電，用途如下：

1、安裝保安用監控。

2，抽水，排水（雨水及山洪）雨天時山水及路面水直沖入本地段，需及時排水。

3，養魚（需抽水過濾水，水池打氧氣。）

4、太陽能發电。

註：申請用電背景及目的。

① 做好保安，防止犯罪行為發生。

② 解決雨水及洪水氾濫、防止雨水及洪水對公眾，个人，安全及財物造等成損失。

③ 創造就業機會，配合政府政策，解決就業崗位。

④ 支持政府環保策略、發展環保能源。

結語：

請貴公司盡快為我申請地段安裝電設施。本人申請至今 3 年有多，因到現在還沒有得到貴公司電設施的連接。使本人，相関人士及相関公司沒法在本地段開展合法的工作，令全部工作停止，方法開展工作。三年多的損失巨大。懇請貴公司盡快落實工作。

申請人：高舜麟

申請人簽名：高

8 11 2022

COMMENTS RESPONSE SHEET

Project Title:	2-Year Outline Agreement No. 4600006281 for Provision of Geotechnical Consultancy Services For Slope Improvement Works and Other Geotechnical Works at HKSAR & Shenzhen For CLP Power (Hong Kong) Limited				
Feature Ref.:	N/A				
Subject:	Geotechnical Planning Review Report for Installation of Proposed Public Utility Installation and Associated Filling and Excavation of Land (OHL Pole & Stay Erection)			Submitted on:	8 Aug 2022
Commented by:	Planning Department (Plan D)	Provided on:	3 Oct 2022	Letter Ref.:	Email
Responded by:	Fugro (Hong Kong) Limited	Provided on:	3 Oct 2022		

Ref. No.	Comments/Inputs/Concerns	Remark/Responses
1.	Clarifications of the dimensions, in particular, the height of the proposed pole and pole stay (including the above ground portion) with illustration on drawings (attached) and photos	1. The height of the proposed pole is 10m and pole stay is 5m above ground as shown on drawings (Drg. No. 01 – A and 01 G A) and photos in Appendix D in the revised GPRR
2.	clarification on which group of the pole and stays are being referred to in P1 and P2 on p.7 of the GPRR as there are 5 such groups in the application. Please provide illustration for each of the 5 groups for clarify sake	2. The pole and stays in P1 and P2 on P.7 are group A and group B. Location refer to Figure 2 in the GPRR.

Encl. (d)

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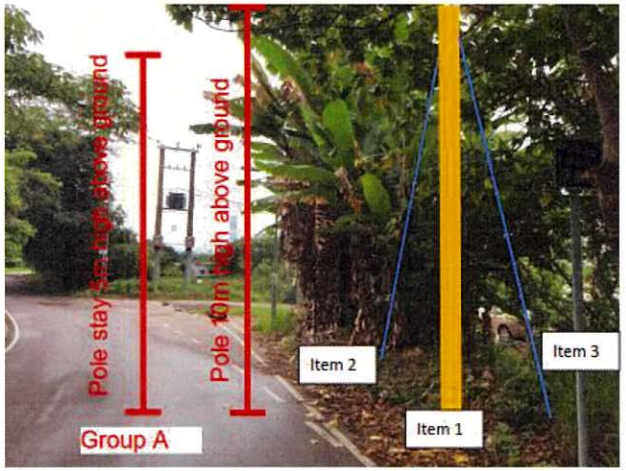
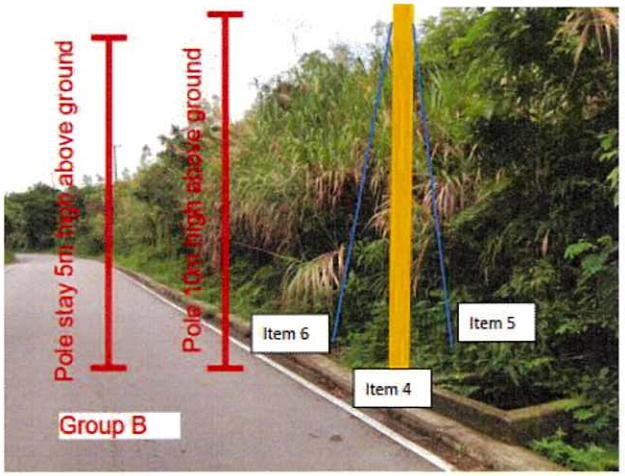
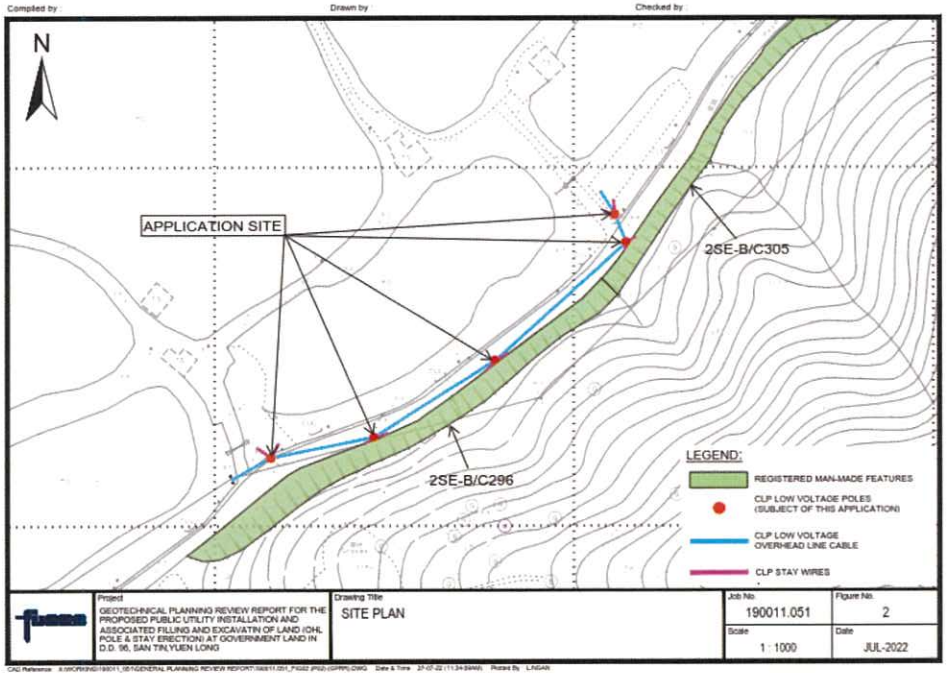
		 Pole stay 5m high above ground Pole 10m high above ground Item 2 Item 3 Item 1 Group A  Pole stay 5m high above ground Pole 10m high above ground Item 6 Item 5 Item 4 Group B

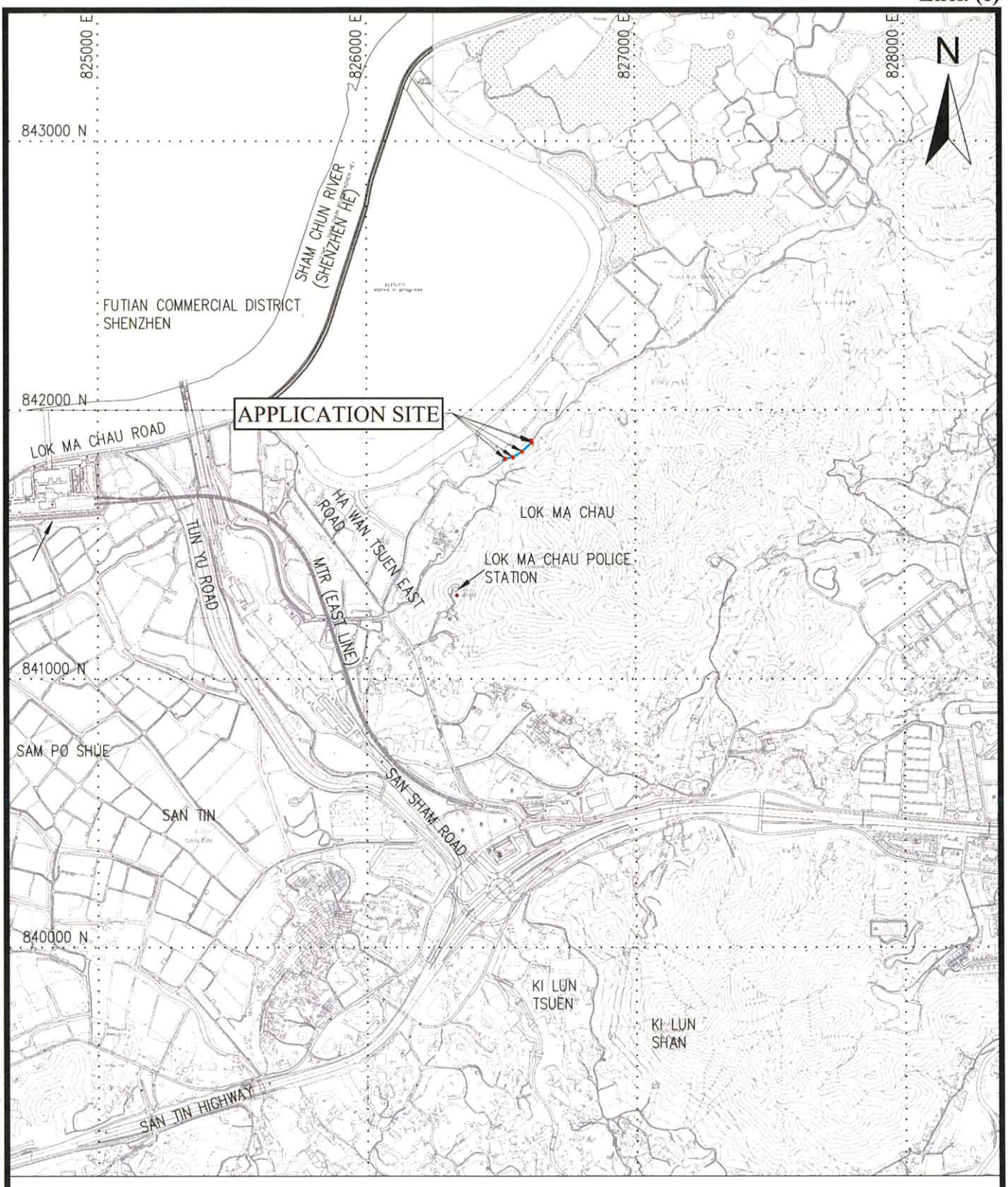
		 Page 7 and Figure 2 are also attached.
3.	Confirmation of our understanding of the proposed works with supporting information, drawings and illustrations as follows:	The description of the works is shown in paragraph 1.2 of the GPRR. There are 5 groups of pole and pole stay (one group consists of one pole and two pole stays) in the application, which are illustrated on the photo in Appendix D. The height of the proposed pole and pole stay (including the above ground portion) with illustration on drawings (Drg. No. 01 – A and 01 G A) and photos in.

		The proposed works with supporting drawings and photo illustrations (in Appendix D) as follows: According to the applicant, the proposed installation is for providing electricity to support the agricultural use at Lot 1808 in D.D. 96 (Plan A-2). The proposal involves erection of five poles of dimension 2m (L) x 2m (W) x 10m (H)) and ten pole stays of dimension 1.5m (L) x 1.5m (W) x 5m (H) for low voltage overhead line (OHL) cable with associated excavation of about 42.5 m2 (1.5m to 2m in length and width) and about 1.8m in depth. Each group of the installation set involves one pole stand which will be supported by two pole stays (Drg. No. 01 – A and 01 G A) and photo in Appendix D. Upon erection of the OHL poles and pole stays, the pits will be backfilled and the ground will be reinstated to its original situation. All the pole stay wire are located at the outer side of the road such that no pedestrian or traffic will be obstructed after completion of the installation. The location plan is shown in Figures 1 and 2 and the sections are shown in Appendix A and the vehicular access plan is Figures 1 and 2. The installation works will be carried out only from 8 am to 5 pm. The location and disposition of the Site for erection of the OHL will minimise the filling and excavation of land and slope maintenance required for the proposed works and avoid encroaching onto private land. The proposed works will not cause adverse impacts on geotechnical safety, traffic, landscape, environment, sewerage, drainage and water supply. The applicant shall minimise the disturbance to the nearby vegetation during the land excavation/filling works. The existing local road will not be obstructed. All vehicles are allowed to use the existing roads during construction period.

FUGRO

-	According to the applicant, the proposed installation is for providing electricity to support the agricultural use at Lot 1808 in D.D. 96 (Plan A-2). The proposal involves erection of five poles of dimension 2m (L) x 2m (W) x 10m (H)) and ten pole stays of dimension 1.5m (L) x 1.5m (W) x 5m (H) for low voltage overhead line (OHL) cable with associated excavation of about 42.5 m2 (1.5m to 2m in length and width) and about 1.8m in depth. Each group of the installation set involves one pole stand which will be supported by two pole stays (Drawings xxx and sample photo at Drawing xxx). Upon erection of the OHL poles and pole stays, the pits will be backfilled and the ground will be reinstated to its original situation. All the pole stay wire are located at the outer side of the road such that no pedestrian or traffic will be obstructed after completion of the installation. The location plan and the section plan are at Drawings xxx and the vehicular access plan is at Drawing xxx. The installation works will be carried out shortly after obtaining the planning permission and will be completed by ___ 2022. It will be carried out only from __am to __pm.	The installation works should be completed within one month after obtaining the planning approval, i.e. within Q4-2022. The normal working hours on site will be from 9am to 4pm.
-	The location and disposition of the Site for erection of the OHL will minimise the filling and excavation of land and slope maintenance required for the proposed works and avoid encroachment onto private land. The proposed works will not cause adverse impacts on geotechnical	The location and disposition of the Site for erection of the OHL will minimise the filling and excavation of land and slope maintenance required for the proposed works and avoid encroachment onto private land. The proposed works will not cause adverse impacts on geotechnical safety, traffic, landscape, environment, sewerage, drainage and water supply. The applicant shall minimise the disturbance to the nearby

	safety, traffic, landscape, environment, sewerage, drainage and water supply. The applicant shall minimise the disturbance to the nearby vegetation during the land excavation/filling works	vegetation during the land excavation/filling works. (Noted and presented in item 7 of recommendation in the GPRR (Item 7 of recommendation is attached))
-	The existing local road will not be obstructed. All vehicles are allowed to use the existing roads during construction period	The existing local road will not be obstructed. All vehicles are allowed to use the existing roads during construction period. (Noted and presented in item 8 of recommendation in the GPRR (Item 8 of recommendation is attached))



LEGEND:

- CLP LOW VOLTAGE POLES (SUBJECT OF THIS APPLICATION)
- CLP LOW VOLTAGE OVERHEAD LINE CABLE

Checked by :

Drawn by :

Compiled by :

FUGRO

Project

GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG

Drawing Title

LOCATION PLAN

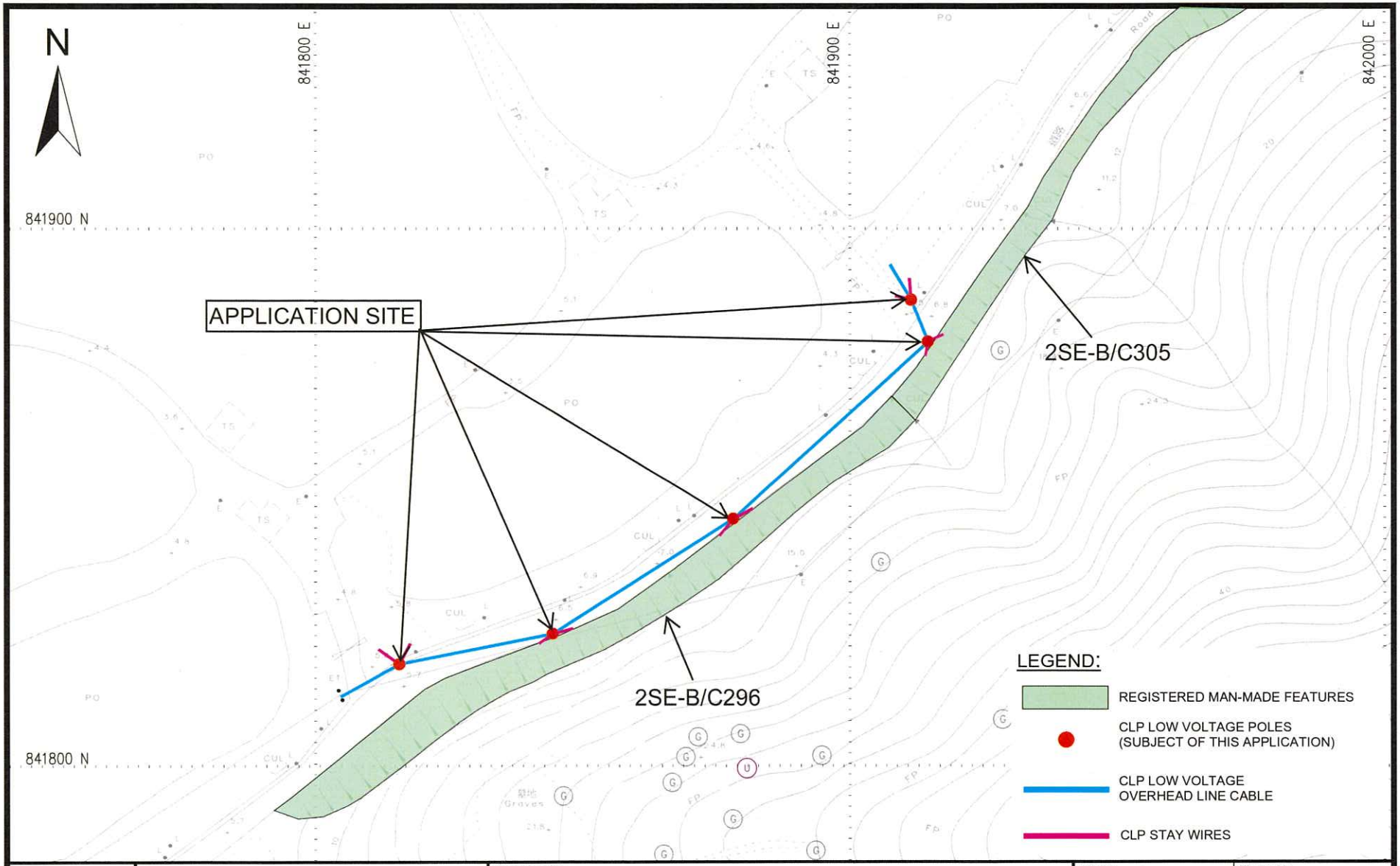
Job No.	Figure No.	Scale	Date
190011.051	1	1:20000	JUL-2022

CAD Reference : X:\WORKING\190011_051\GENERAL PLANNING REVIEW REPORT\190011.051_FIG01 (P01) (GPRR).DWG Date & Time : 27-07-22 (1:39:06PM) Plotted By : L.NGAN

Compiled by :

Drawn by :

Checked by :

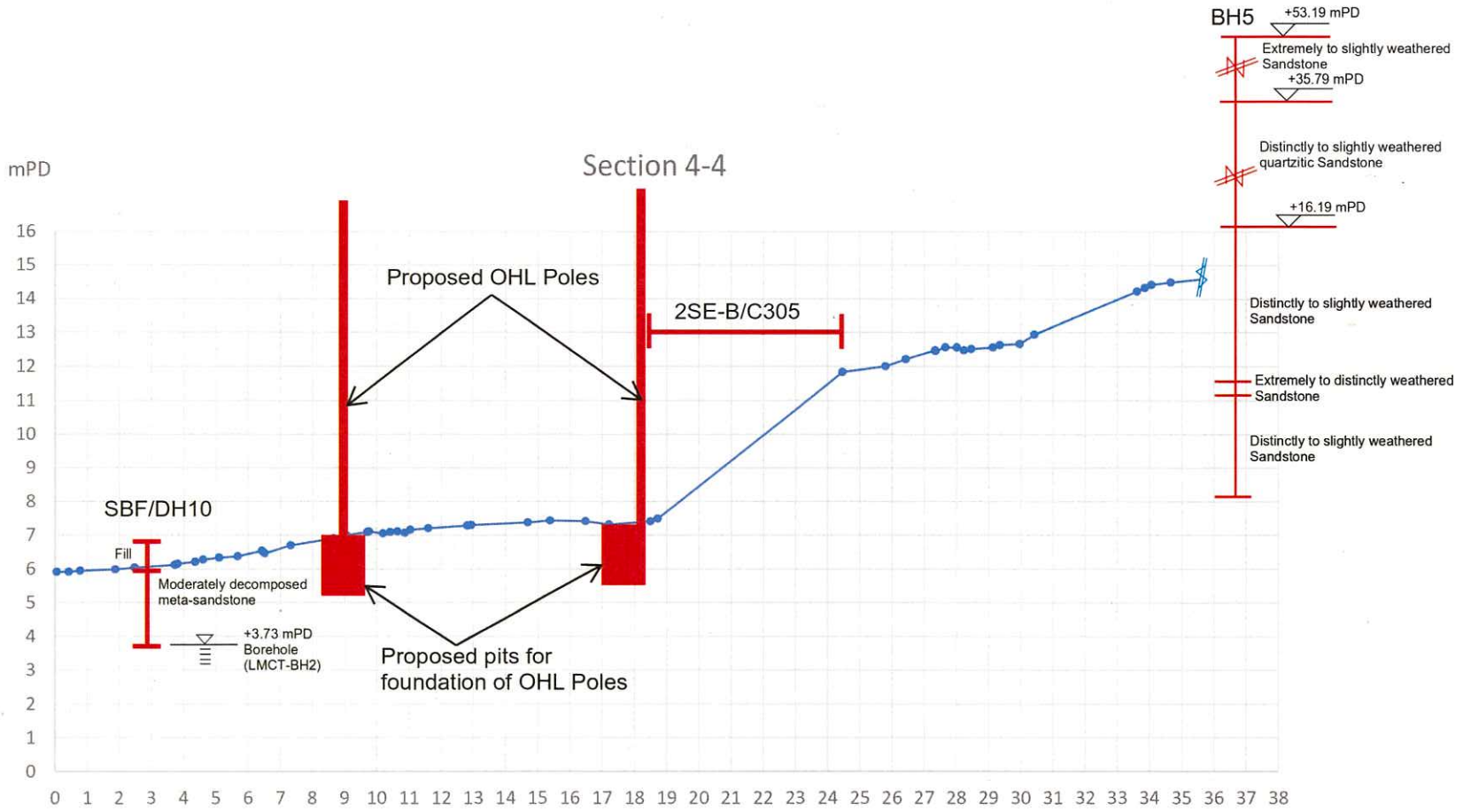


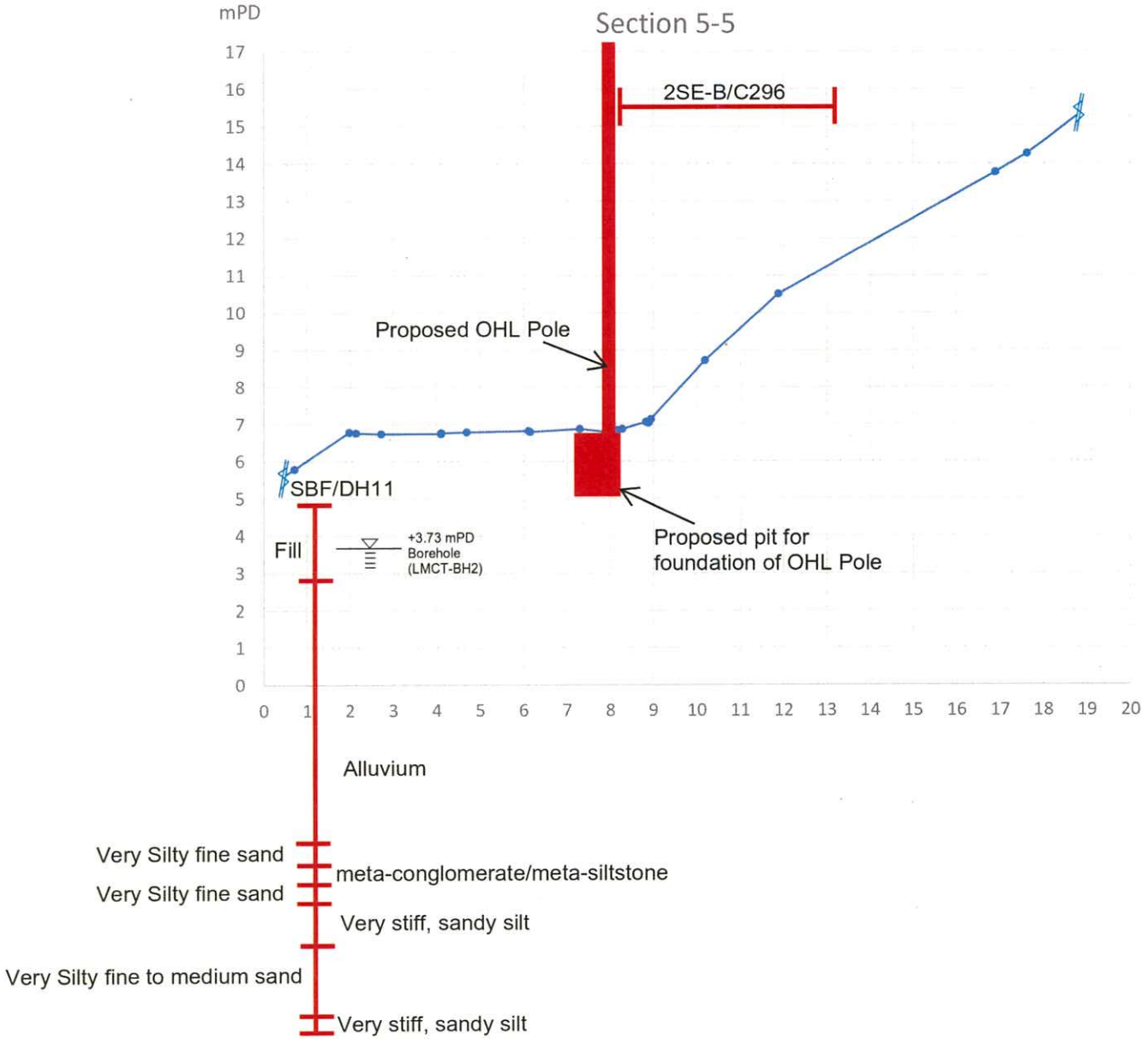
FUGRO	Project: GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATIN OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN,YUEN LONG	Drawing Title: SITE PLAN	Job No.: 190011.051	Figure No.: 2
			Scale: 1 : 1000	Date: JUL-2022

CAD Reference : X:\WORKING\190011_051\GENERAL PLANNING REVIEW REPORT\190011.051_FIG02 (P02) (GPRR).DWG Date & Time : 27-07-22 (11:34:09AM) Plotted By : L.NGAN

Appendix A(Cont'd)

Features and Sections


Section 4-4
mPD
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
Proposed OHL Poles
2SE-B/C305
SBF/DH10
Fill
Moderately decomposed meta-sandstone
+3.73 mPD
Borehole (LMCT-BH2)
Proposed pits for foundation of OHL Poles
BH5
+53.19 mPD
Extremely to slightly weathered Sandstone
+35.79 mPD
Distinctly to slightly weathered quartzitic Sandstone
+16.19 mPD
Distinctly to slightly weathered Sandstone
Extremely to distinctly weathered Sandstone
Distinctly to slightly weathered Sandstone


Section 5-5
mPD
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
2SE-B/C296
Proposed OHL Pole
SBF/DH11
+3.73 mPD
Borehole
(LMCT-BH2)
Fill
Proposed pit for
foundation of OHL Pole
Alluvium
Very Silty fine sand
meta-conglomerate/meta-siltstone
Very Silty fine sand
Very stiff, sandy silt
Very Silty fine to medium sand
Very stiff, sandy silt

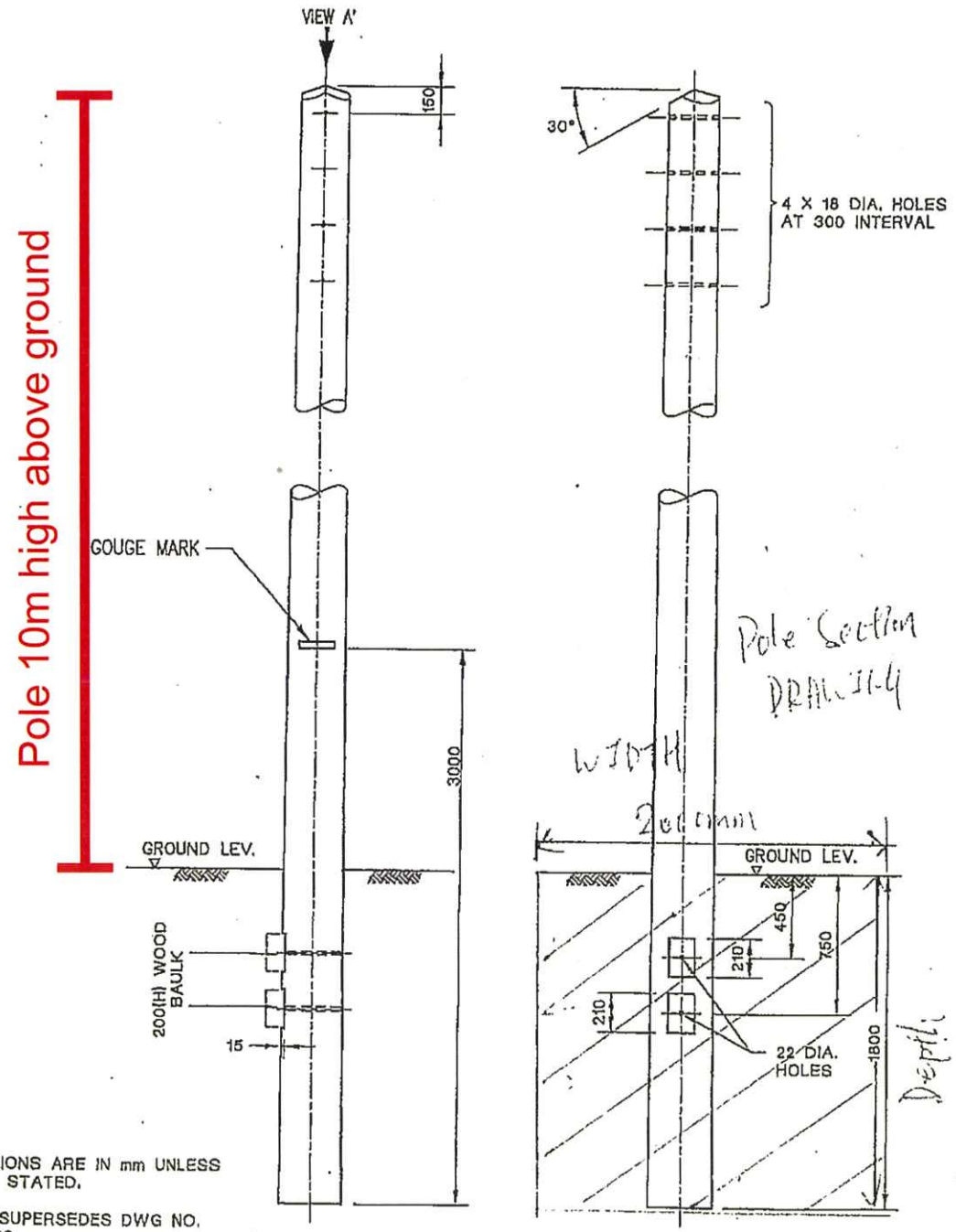
Appendix D has been added

Appendix D

Drg No. 01-A and 01 G A Detail of Pole Stay Photo Illustration for the Pole and Pole Stay

CLP STOCK NO.: 334-500

NOMINAL POLE LENGTH
9m



NOTE:
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.

THIS DWG. SUPERSEDES DWG NO. ESC/G/96-69

REVS.	DESCRIPTION	INITIAL	DATE
G	GOUGE MARK UPDATED TO 3m		
F	ADDITIONAL BAULK, GOUGE MARK MEASUREMENT INCREASED		

REVS.	A	B	C	D	E	F	G	H	J	K	L
	28.10.02	28.1.03	8.10.04	30.09.15	05.08.16	13.03.17	01.06.17				
INITIAL	HCCHOW	HCCHOW	F.O.	S.K.LAU	K.L.CHAN	K.L.CHAN	K.L.CHAN				

CLP 中電

DRAWN: S.C.T.	DATE: 17-3-98
CHECKED: Y.N.S	APPROVED:
SCALE: N.T.S.	SHEET(S) IN SET: 1

TITLE :

LV OHL WOOD POLE

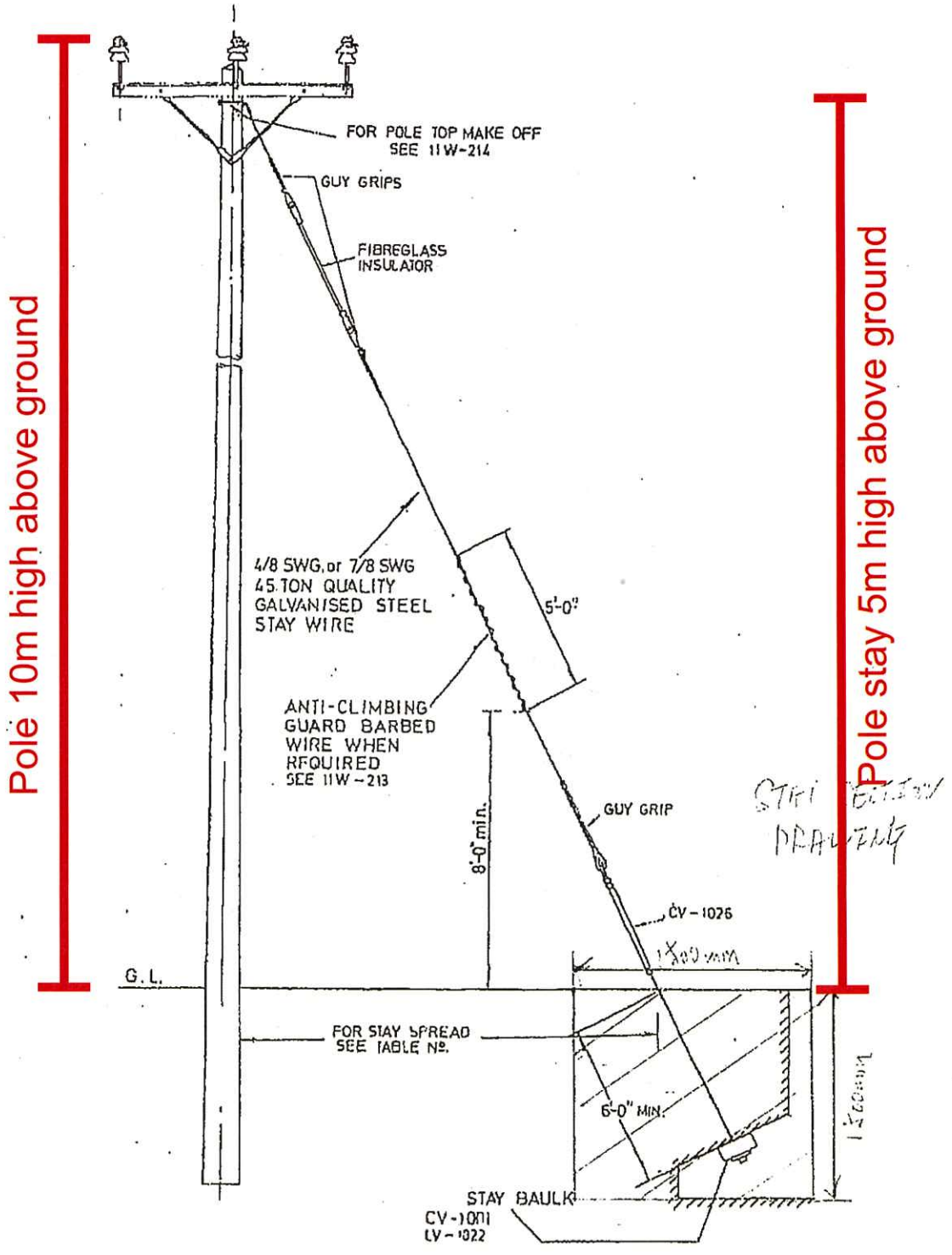
PROJECT NO.

CONTRACT NO.

ASSET MANAGEMENT

DRG. NO. TGEN512020DE330024016GA

Drg No. 0 1 G A



THIS DWG. SUPERSEDES THE DWG. NO. 11W-201 SHEET 1

CLP 中電

REVS.	A	B	C	D	E	F	G	H	J	K	L
INITIAL											

TITLE :

11kV OHL WOOD POLE SPECIFICATION GENERAL ARRANGEMENT OF STAYS (SHEET 1)

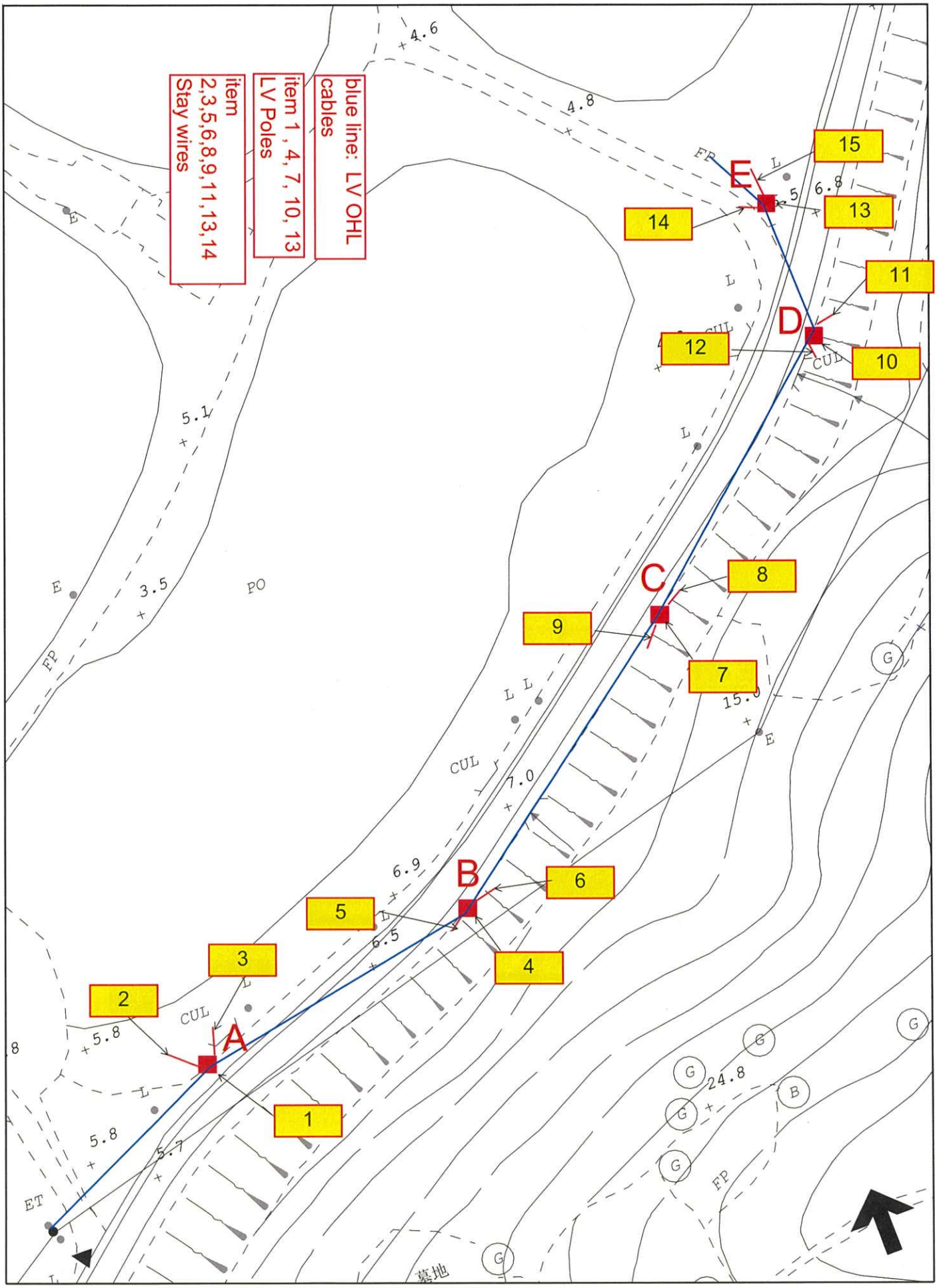
DRAWN: T.W.L.	DATE: 6-2-03	PROJECT NO.	CONTRACT NO.
CHECKED: W.M.CHANG	APPROVED: W.M.CHANG		
SCALE: N.T.S.	SHEET(S) IN SET: 1		

ASSET MANAGEMENT

DRG. NO. TGEN5122ODE33013601 – A

Drg No. 0 1 - A

Location Plan of the Pole and Pole Stay

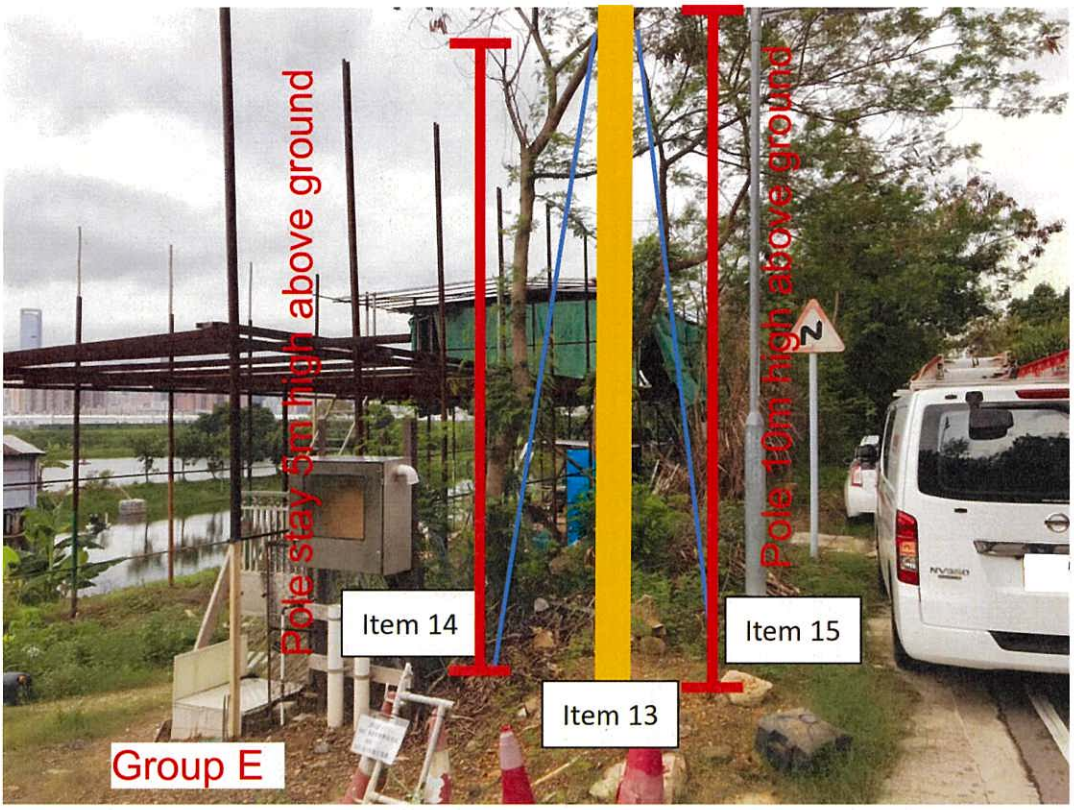


Pole stay 5m high above ground
Pole 10m high above ground
Item 2
Item 3
Item 1
Group A

Pole stay 5m high above ground
Pole 10m high above ground
Item 6
Item 5
Item 4
Group B

Pole stay 5m high above ground
Pole 10m high above ground
Item 8
Item 9
Item 7
Group C

Pole stay 5m high above ground
Pole 10m high above ground
Item 11
Item 10
Item 12
Group D


Pole stay 5m high above ground
Item 14
Item 13
Item 15
Pole 10m high above ground
Group E

2. In the design of excavation and lateral support works for the pits, attention should be paid to the excavation and strutting sequence and earth load, water load and surcharge should be taken into consideration. During excavation works, sufficient water pump shall be provided to ensure that the pits are not submerged.

3. Proposed pit excavation works for erecting the poles will involve installation of planking with temporary strutting systems during the construction stage. Since the pit excavation works involves excavation of depth 1.8m only, excavation effects on the adjacent ground / slopes and change of ground profile should be minimal.

4. The proposed OHL poles and stay poles will be installed at the toe of the existing slopes. After pit excavation and installation of poles, the pits will be reinstated to its original situation. Hence, the construction effect of proposed utilities installation at the toe of slopes on the adjacent slope is insignificant.

5. Two registered man-made slopes are cut slopes with 6m in height at 45° slope angle. In view of failure of the man-made slopes would affect the OHL ploes at the slope toe, stability analysis is proposed to be carried out.

6. There are no records of landslides and boulders within the natural terrain area above the proposed pole locations. On the another hand, the locations of proposed poles & pole stays at the toe of hillside likely meet alert criteria of natural terrain hazard. Hence, natural terrain hazard study is recommended to determine the necessity mitigation works for natural terrain hazard.

7. The location and disposition of the Site for erection of the OHL will minimise the filling and excavation of land and slope maintenance required for the proposed works and avoid encroachment onto private land. The proposed works will not cause adverse impacts on geotechnical safety, traffic, landscape, environment, sewerage, drainage and water supply. The applicant shall minimise the disturbance to the nearby vegetation during the land excavation/filling works.

8. The existing local road will not be obstructed. All vehicles are allowed to use the existing roads during construction period.

6. References

1. GEO (2007), GEO Advice Note for Planning Applications under Town Planning Ordinance (Cap.131), Geotechnical Engineering Office, Hong Kong.

Planning Application No. A/YL-ST/618 Further Information - clarification2023/01/30 16:59
From: "AU, Ivan Hin Wah" <
To: "tpbpd@pland.gov.hk" <tpbpd@pland.gov.hk>
Cc: "ayycheung@pland.gov.hk" <ayycheung@pland.gov.hk>, "jamesso(jamesso@ >, "Yik, Yau Fuk (yk02597(:yk02597(
Sent by: prvs=3872a9e67=ivan.au@

4 Attachments

Purpose for electricity supply applicant.3.jpeg

Purpose for electricity supply applicant.1.jpeg

Purpose for electricity supply applicant.2.jpeg

FI for s.16 Planning Application AYL-ST618.pdf

Dear Sir,

Attached with the FI for the S.16 Planning Application AYL-ST618.

Best regards,

Ivan, Au Hin Wah
Senior Project Engineer
Power Systems Department – Overhead Line

T
E

Kum Shing Group 金城營造集團

集團通訊《城訊》KUM SHING NEWS | www.kumshing.com.hk

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

PlanD Planning Application No. A/YL-ST/618 Further Information

I'm writing to provide the FI for the planning application No. A/YL/618 to address the following items:

i) The duration of works for about 2 weeks after the approval of works, the installation of the poles & pole stays are 5 and 5 respectively;
ii) The working hours is 8 a.m. to 5 p.m, working hours are daily;
iii) The date of completion proposed on Q4 2023;
iv) The updated Purpose for electricity supply by applicants.

Thank you for your kind assistance.

Yours Faithfully,

Ivan Au
30/Jan/2023

Encls:

a. Purpose for electricity supply applicant.

本人高舜鹏 Lot No.1808 in D.D.No.96,Yuen Long,NT 地主。申請安裝電表主要用于：

1，上述地段农业（養魚），本地段一边的山邊馬路比較高，本地段不能掘地做魚塘，魚池只能用木框做支架，帆布做魚池（如圖），魚池高 60cm，長 2 米，寬 1 米。由 2 个連成，連接處用 30cm 圓通相接。其中一个安裝循環進水，另一水池循環出水，組成 1 套循環活水。水循環主要用電驅動方式，整套養魚設備，需要穩定的供電設施。 所以必須要中電提供連續穩定的供電。全部設施不需掘地，填泥，平整土地。只需放在地面就可以。部分地方绿化，需要电泵泵水灌溉。下雨天排洪（山水漫过公路涌向本上述地段，下雨天需要排洪。1807號地段魚塘主已投訴多年。）

2，太陽能發电。是響應政府的呼籲，也回應有環保及保育知識的人士提供的建議。為綠色地球，環保出一份力。因太陽能供電是不可能連續穩定，所以必需要以中電并网，在雨天及沒有太陽能供電時，中電可以保証供電正常。

注：本人申請用電已 3 年有多，至今還沒通電，對本人及相関的公司影響非常大，也非常困擾，沒法理解申請用電需時這麼多這麼久。香港是現代都市，正常申請用電需時 3 年多還沒有著點，令人費解及不能接受。希相関部門加快審批。為環保及，綠色地球，可持續發展，共同出一份力。

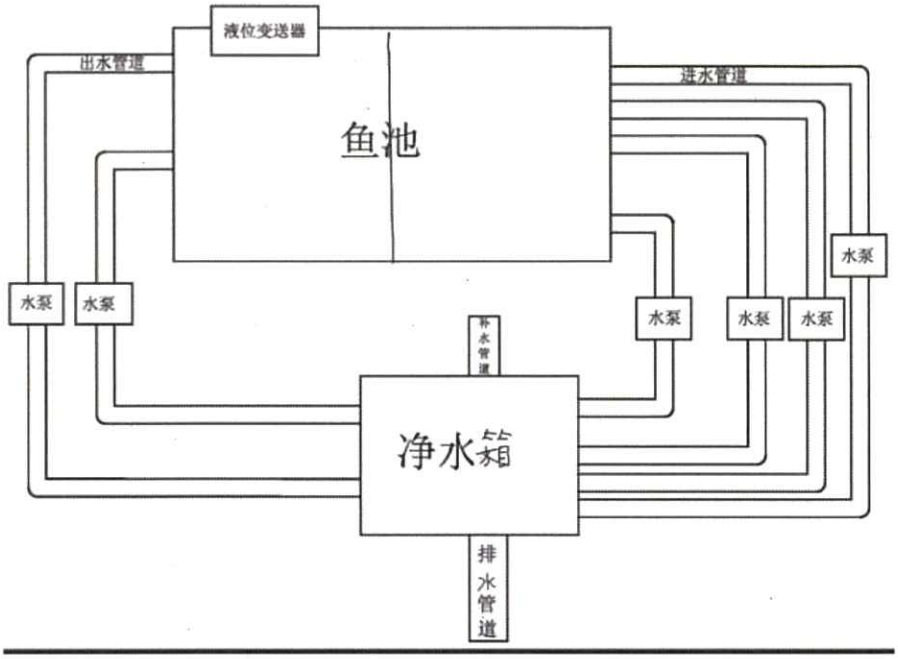
18,1,2023


环保升级
优质加厚级
刀刮布养殖鱼池
质检报告
鱼类、水蛭、龙虾、龟类
适用各种养殖


加厚550g刀刮布
高度0.8米
购买就送
默认打孔式
环保无毒 厂家直销

圖

18,1,2023



循環供水圖。

18.1.2023

Relevant Extracts of Town Planning Board Guidelines

The Site falls within an area partly zoned "Conservation Area" ("CA") and partly zoned "Green Belt" ("GB") on the approved San Tin OZP and also within the Wetland Buffer Area (WBA) of the Deep Bay area. The following Town Planning Board Guidelines are relevant.

Town Planning Board Guidelines for Application for Developments within Deep Bay Area under Section 16 of the Town Planning Ordinance (TPB PG-No. 12C)

All five groups fall within the WBA of the Deep Bay area under TPB PG-No. 12C. The key assessment criteria are summarised as follows:

WBA

(a) the intention of the WBA is to protect the ecological integrity of the fish ponds and wetland within the Wetland Conservation Area (WCA) and prevent development that would have a negative off-site disturbance impact on the ecological value of fish ponds; and

(b) within the WBA, for development or redevelopment which requires planning permission, an ecological impact assessment (EcoIA) would need to be submitted. Some local (including public utility installation of electricity mast, lamp pole, pipeline and telephone booth) and minor uses (including temporary uses) are however exempted from the requirement of EcoIA.

Town Planning Board Guidelines for Application for Development within "GB" Zone under Section 16 of the Town Planning Ordinance (TPB PG-No. 10)

Three groups are within "GB" zone. TPB PG-No. 10 is relevant and the assessment criteria are summarised as follows:

(a) there is a general presumption against development (other than redevelopment) in "GB" zone;

(b) an application for new development in a "GB" zone will only be considered in exceptional circumstances and must be justified with very strong planning grounds;

(c) the design and layout of any proposed development should be compatible with the surrounding area. The development should not involve extensive clearance of existing natural vegetation, affect the existing natural landscape, or cause any adverse visual impact on the surrounding environment;

(d) the proposed development should not overstrain the capacity of existing and planned infrastructure such as sewerage, roads and water supply. It should not adversely affect drainage or aggravate flooding in the area;

(e) the proposed development should not be susceptible to adverse environmental effects from pollution sources nearby such as traffic noise, unless adequate mitigating measures are provided, and it should not itself be the source of pollution; and

(f) any proposed development on a slope or hillside should not adversely affect slope stability.

Government Departments' General Comments

1. **Traffic**

Comments of the Chief Highway Engineer/New Territories West, Highways Department (CHE/NTW, HyD);

- the proposed access arrangement to the Site should be agreed by Transport Department;
- HyD shall not be responsible for maintenance of any access connecting the Site and Lok Ma Chau Road;
- Excavation Permit on GL should be obtained from DLO/YL, LandsD prior to commencement of excavation works; and
- adequate drainage measures should be provided to prevent surface water running from the Site to the nearby public roads and drains.

2. **Environment**

Comments of the Director of Environmental Protection (DEP):

- according to **Appendix Ib**, the applicant advised that during the construction phase, mitigation measures (such as collection of debris and rubbish on site with provision of refuse collection point with covers, covering of open storm water drains and culverts near the works area to block entrance of large debris and refuse, disposal of waste oil in accordance with the Waste Disposal Ordinance) will be implemented to handle non-point source and point source pollution. Also, the applicant will ensure compliance with relevant regulations, best practices and guidelines, such as Water Pollution Control Ordinance, Professional Persons Environmental Consultative Committee Practice Notes (ProPECC PN) 1/94 "Construction Site Drainage", etc.; and the works area would be reinstated and there would not be any discharge during operation phase;
- based on the above, DEP has no objection to the planning application; and
- no environmental complaint pertaining to the Site has been received over the past 3 years.

3. **Landscaping**

Comments of the Chief Town Planner/Urban Design and Landscape, Planning Department (CTP/UD&L, PlanD):

- she has no objection on the application from landscape planning perspective;
- with reference to the aerial photo of 2019, the Site is situated in an area of rural landscape character comprising fish ponds, small houses, temporary structures and scattered tree groups. According to the site photos taken in May 2022, the Site is mainly vacant with self-seeded vegetation and existing trees are observed near to some part of the Site. No detailed information on landscape resources within/adjacent to the Site and proposed landscape treatment is provided. Nevertheless, given the scale and nature

of the works, significant adverse impact on the existing landscape character and resource due to the proposed utility installation and excavation works is not anticipated;

- in consideration that there is limited space for meaningful landscaping within the Site, it is considered not necessary to impose any landscape-related condition should the application be approved by the Board; and

- her advisory comments are at **Appendix IV**.

4. **Nature Conservation**

Comments of the Director of Agriculture, Fisheries and Conservation (DAFC):

- the Site falls within the "CA" and "GB" zones and also within the WBA. He has no strong view on the application given that the construction time is short and no wetland habitat will be directly impacted; and

- given the applicant's claim that there is no excavation of land/pond filling as part of the application, he has no strong view on the application from a fisheries perspective. Notwithstanding, under the terms and conditions of land grant, a farmer who wishes to construct agricultural structures (e.g. greenhouses, livestock sheds, hatcheries, fish ponds, store rooms etc.) on leasehold agricultural land must apply to the Lands Department for a Letter of Approval ("LoA") for Agricultural Structures. More details can be located at the following link for reference:
https://www.afcd.gov.hk/english/agriculture/agr_hk/agr_hk_app/agr_hk_app.html

5. **Geotechnical Aspect**

Comments of the Head of the Geotechnical Engineering Office, Civil Engineering and Development Department (H(GEO), CEDD):

- as noted in Sections 4.2 and 5.6 of the revised Geotechnical Planning Review Report (GPRR) **at Appendix Ib**, the applicant has clarified that the proposed development would not comprise any critical facilities (i.e. facilities under Group 1-3 in Table 2.2 of GEO Report No. 138 in Appendix A of the GPRR Report) and has concluded that Natural Terrain Hazard Study is not required for the proposed development. As such, he has no further comment on the GPRR for the captioned application; and

- his advisory comments are at **Appendix IV**.

6. **Drainage**

Comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD):

he has no objection in principle to the application from drainage operation and maintenance point of view, subject to the following:

- the proposed works should not affect/damage DSD's assets in the vicinity. Should such damage occur, the applicant is requested to inform DSD immediately and carry out remedial works so required to DSD's satisfaction; and

- since the applicant proposes filling and excavation of land on the Site, the applicant shall ensure that there will be no adverse drainage impact to the adjoining areas and drainage facilities in the vicinity.

7. Other Departments

The following government departments have no objection to or no comment on the application and their advisory comments are at **Appendix IV** where appropriate:

(a) District Lands Officer/Yuen Long, Lands Department;
(b) Commissioner for Transport;
(c) Commissioner of Police;
(d) Chief Engineer/Railway Development 2-2, Railway Development Office, Highways Department;
(e) Project Manager (West), West Development Office, Civil Engineering and Development Department (CEDD);
(f) Director of Fire Services;
(g) Director of Electrical and Mechanical Services;
(h) Chief Building Surveyor/New Territories West, Buildings Department;
(i) Chief Engineer/Construction, Water Supplies Department; and
(j) District Officer (Yuen Long).

Recommended Advisory Clauses

(a) To note the comments of the District Lands Officer/Yuen Long, Lands Department (DLO/YL, LandsD) that the applicant has to apply for excavation permit(s) before commencement of works. However, there is no guarantee at this stage that the excavation permit(s) would be approved. Such application will be dealt with by LandsD acting in the capacity of the landlord at the discretion of LandsD, and if it is approved under such discretion, the approval would be subject to such terms and conditions including amongst others, the payment of administrative fee as may be imposed by LandsD;

(b) to note the comments of the Commissioner for Transport (C for T) that no vehicle is allowed to queue back to or reverse onto/from public road at any time during the construction period;

(c) to note the comments of the Chief Highway Engineer/New Territories West, Highways Department (CHE/NTW, HyD) that HyD shall not be responsible for maintenance of any access connecting the Site and Lok Ma Chau Road. Excavation Permit on GL should be obtained from DLO/YL, LandsD prior to commencement of excavation works. Adequate drainage measures should be provided at the Site to prevent surface water running from the Site to nearby public roads and drains;

(d) to note the comments of the Chief Engineer/Railway Development 2-2, Railway Development Office, Highways Department (CE/RD 2-2, RDO, HyD) that the Site is in close proximity to the Northern Line (NOL) Spur Line alignment which is under development by MTRCL. The applicant is required to consult MTRCL with respect to the design and construction of the proposed works, whether it would affect the NOL Spur Line. Deep foundation such as piling is not permitted at the Site unless MTRCL's agreement is sought;

(e) to note the comments of the Director of Environmental Protection (DEP) that during construction phase, mitigation measures should be implemented to handle non-point source and point source pollution and the applicant should ensure compliance with relevant regulations, best practices and guidelines (Water Pollution Control Ordinance (WPCO), Professional Persons Environmental Consultative Committee Practice Notes (ProPECC PN) 1/94 "Construction Site Drainage", etc.); and the works area should be reinstated and there should not be any discharge during operation phase;

(f) to note the comments of the Chief Town Planner/Urban Design and Landscape, Planning Department (CTP/UD&L, PlanD) that:

  (i) excavation of land should be carried out away from the Tree Protection Zone and trenching of roots should be avoided. Proper tree preservation measures should be carried out to avoid damage to existing trees during excavation. The applicant shall refer to the guidelines promulgated by the Development Bureau on Tree Preservation during Construction; and

  (ii) approval of the application does not imply approval of tree works such as pruning, transplanting and felling under lease. The applicant shall seek approval for any proposed tree works from the maintenance parties and relevant departments prior to commencement of the works;

(g) to note the comments of the Head of the Geotechnical Engineering Office, Civil Engineering and Development Department (H(GEO), CEDD) that based on Sections 4.2 and 5.6 of the revised Geotechnical Planning Review Report (GPRR) **at Appendix Ib (Encl. (b))**, the applicant has clarified that the proposed development would not comprise any critical facilities (i.e. facilities under Group 1-3 in Table 2.2 of GEO Report No. 138 in Appendix A of the GPRR Report) and has concluded that Natural Terrain Hazard Study is not required for the proposed development. The applicant should refer to the latest specification and standard given in Section 6 of the General Specifications for Civil Engineering Works (2020 Edition) for backfilling of trench/pit with fine fill material, and to refer to the Guide to Trench Excavation (Shoring Support and Drainage Measures) jointly published by HyD and CEDD which provides good technical guidelines on trench excavation;

(h) to note the comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD) that:

(i) the proposed works should not affect/damage DSD's assets in the vicinity. Should such damage occur, the applicant is requested to inform DSD immediately and carry out remedial works so required to DSD's satisfaction; and

(ii) since the applicant proposes filling and excavation of land on the site, the applicant shall ensure that there will be no adverse drainage impact to the adjoining areas and drainage facilities in the vicinity; and

(i) to note the comments of the Director of Electrical and Mechanical Services (DEMS) that in the interests of public safety and ensuring the continuity of electricity supply, the applicant (i.e. CLP Power Hong Kong Limited) with planning, designing, organising and supervising any activity near the underground cable or overhead line under the mentioned works under the current applicant should check all relevant cable plans (and overhead line alignment drawings, where applicable) to find out whether there is any underground cable and/or overhead line within and/or in the vicinity of the Site. The applicant should also be reminded to observe the Electricity Supply Lines (Protection) Regulation and the "Code of Practice on Working near Electricity Supply Lines" established under the Regulation when carrying out works in the vicinity of the electricity supply lines.

致城市規劃委員會秘書：
專人送遞或郵遞:香港北角渣華道 333 號北角政府合署 15 樓
傳真 : 2877 0245 或 2522 8426
電郵: tpbpd@pland.gov.hk

To : Secretary, Town Planning Board
By hand or post : 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong
By Fax : 2877 0245 or 2522 8426
By e-mail : tpbpd@pland.gov.hk

有關的規劃申請編號 **The application no. to which the comment relates**
A/YL-ST/618

意見詳情 (如有需要，請另頁說明)
Details of the Comment (use separate sheet if necessary)

沒意見

「提意見人」姓名/名稱 Name of person/company making this comment _____

簽署 Signature 張桂芳(張桂芳) 日期 Date 25/5/2022

☐ Urgent ☐ Return Receipt Requested ☐ Sign ☐ Encrypt ☐ Mark Subject Restricted ☐ Expand personal&publi

A/YL-ST/618 DD 96 San Tin CLP Conservation
31/05/2022 02:12

From: [redacted]
To: tpbpd <tpbpd@pland.gov.hk>
File Ref:

A/YL-ST/618 CLP

Government Land in D.D. 96, San Tin

Site area : About 42.5sq.m

Zoning : "Conservation Area" and "Green Belt"

Applied development : Public Utility Installation / **Filling and Excavation of Land**

Dear TPB Members,

Objection. Failure to provide justification for excavation of government land at sensitive location.

Once again it should be incumbent upon CLP to state what the intention of the installation is. This is Government Land and Conservation zoned. Ponds on one side of the road and the other side is GB.

So why would power supply be required on this road?

Mary Mulvihill

☐ Urgent ☐ Return Receipt Requested ☐ Sign ☐ Encrypt ☐ Mark Subject Restricted ☐ Expand personal&publi

規劃反對書

14/09/2022 19:44

From: [redacted]
To: tpbpd@pland.gov.hk
File Ref:

8 attachments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本人反對元朗新田落馬洲丈量約份第96約地段的政府土地申請編號為A/YL-ST/618的規劃申請書，本人認為此規劃在此地段是不合理的，此地段為自然保育區和綠化地帶，時常會有不同的候鳥在此休息，如果當此規劃實現後，會因規劃而帶來的工程影響附近居民的日常生活，以及填土及挖土工程這對於自然保護區和綠化地帶來說，是一種極大的破壞，並且由該規劃帶來的行人，會極度影響附近生活的村民，破壞他們的日常生活，因該規劃而帶來的行人，可能會亂拋垃圾，留下沒人清潔的昂髒物品，對於附近生活的村民來說，是一種非常討厭的行為，而且，現在還有疫情，並不知道因該規劃而來的行人，是否患上新冠肺炎，如有，對附近的村民則會產生麻煩，而且附近村民有老者，有幼童，一旦患上，後果很嚴重，還有，因之前有在此地段曾被破壞，現在還要面臨因該規劃而帶來的各種負面後果，因此，本人非常反對此規劃申請，誠請將此規劃申請取消。

附上申請規劃地段圖，可見這個非法建造的場所已經侵害了政府土地，而且用來表示征服土地的鐵網已經倒了。


GOVERNMENT LAND

☐ Urgent ☐ Return Receipt Requested ☐ Sign ☐ Encrypt ☐ Mark Subject Restricted ☐ Expand personal&publi

規劃反對申請書
15/09/2022 20:29

From: [redacted]
To: tpbpd@pland.gov.hk
File Ref:

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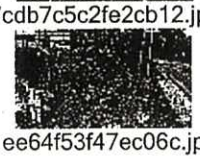
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-6481522ba6e18382.jpg

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15/09/2022 21:15

From: [redacted]
To: tpbpd@pland.gov.hk
File Ref:

8 attachments


IMG-20220915-WA0012.jpg

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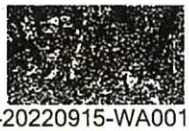
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規劃反對申請書
15/09/2022 20:50

From: [redacted]
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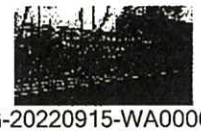
File Ref:

8 attachments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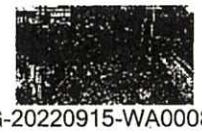
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IMG-20220915-WA0003.jpg

IMG-20220915-WA0007.jpg

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規劃反對申請書
15/09/2022 20:30

From: [redacted]
To: tpbpd@pland.gov.hk
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8 attachments


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From: [redacted]
To: tpbpd@pland.gov.hk
File Ref:

8 attachments


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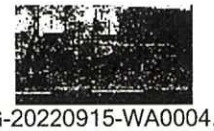
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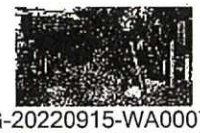
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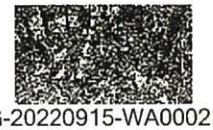
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規劃反對申請書
14/09/2022 20:49

From: [redacted]
To: tpbpd@pland.gov.hk
File Ref:

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IMG-20220914-WA0002.jpg

IMG-20220914-WA0003.jpg

IMG-20220914-WA0004.jpg

IMG-20220914-WA0005.jpg

IMG-20220914-WA0006.jpg

IMG-20220914-WA0007.jpg

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A/YL-ST/618 DD 96 San Tin Wetlands CLP
15/09/2022 02:47

From: [redacted]
To: tpbpd <tpbpd@pland.gov.hk>
File Ref:

Dear TPB Members,

609 withdrawn, some minor amendments to data.

Previous objections pertinent and upheld. CLP must provide information with regard to the end use of energy supply.

Mary Mulvihill

From: [redacted]
To: tpbpd <tpbpd@pland.gov.hk>
Date: Tuesday, 25 January 2022 2:55 AM CST
Subject: A/YL-ST/609 DD 96 San Tin Wetlands CLP

A/YL-ST/609

Government Land in D.D. 96, San Tin CLP

Site area : About 42sq.m

Zoning : "Conservation Area"

Applied development : LV Cable Laying / Filling and Excavation of Land

Dear TPB Members,

What is the purpose? This is alongside the wetland ponds. The birds, flora and fauna do not need electricity. On the contrary such installations indicate development that will have a negative impact on the natural environment.

Members must question the need of this.

Mary Mulvihill