

2023年 11月 9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
申請的日期。

9 NOV 2023

This document is received on _____
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 or Regulated Areas; and
位於鄉郊地區或受規管地區土地上及/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 or Regulated Areas
位於鄉郊地區或受規管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.tpb.gov.hk/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.tpb.gov.hk/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

2302840 30/10 by hand

Form No. S16-I 表格第 S16-I 號

For Official Use Only 請勿填寫此欄	Application No. 申請編號	1A/90-57/661
	Date Received 收到日期	9 NOV 2023

- 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。
- 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.tpb.gov.hk/>. 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.tpb.gov.hk/>), 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 樓及新界沙田上禾輦路 1 號沙田政府合署 14 樓) 索取。
- 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。

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	<input checked="" type="checkbox"/> Site area 地盤面積 42.5 sq.m 平方米 <input checked="" type="checkbox"/> About 約 <input type="checkbox"/> Gross floor area 總樓面面積 sq.m 平方米 <input type="checkbox"/> 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 <input checked="" type="checkbox"/> 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) Change of use within existing building or part thereof
第(i)類 更改現有建築物或其部分內的用途
- ☒ Type (ii) Diversion of stream / excavation of land / filling of land / filling of pond as required under Notes of Statutory Plan(s)
第(ii)類 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) Public utility installation / Utility installation for private project
第(iii)類 公用事業設施裝置/私人發展計劃的公用設施裝置
- ☐ Type (iv) Minor relaxation of stated development restriction(s) as provided under Notes of Statutory Plan(s)
第(iv)類 略為放寬於法定圖則《註釋》內列明的發展限制
- ☐ Type (v) Use / development other than (i) to (iii) above
第(v)類 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：如發展涉及靈灰安置所用途，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	<input type="checkbox"/> Diversion of stream 河道改道 <input type="checkbox"/> Filling of pond 填塘 Area of filling 填塘面積 sq.m 平方米 <input type="checkbox"/> About 約 Depth of filling 填塘深度 m 米 <input type="checkbox"/> About 約 <input checked="" type="checkbox"/> Filling of land 填土 Area of filling 填土面積 42.5 sq.m 平方米 <input checked="" type="checkbox"/> About 約 Depth of filling 填土厚度 1.8 m 米 <input type="checkbox"/> About 約 <input checked="" type="checkbox"/> Excavation of land 挖土 Area of excavation 挖土面積 42.5 sq.m 平方米 <input checked="" type="checkbox"/> About 約 Depth of excavation 挖土深度 1.8 m 米 <input type="checkbox"/> About 約 <p>(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))</p>
(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) application 供第(iii)類申請

(a) Nature and scale 性質及規模	<input checked="" type="checkbox"/> Public utility installation 公用事業設施裝置 <input type="checkbox"/> 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) ☐ About 約
..... m 米 ☐ 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 2024 (About 3 weeks)

8. Vehicular Access Arrangement of the Development Proposal

擬議發展計劃的行車通道安排

<p>Any vehicular access to the site/subject building? 是否有車路通往地盤／有關建築物？</p>	<p>Yes 是</p> <p>No 否</p>	<p><input checked="" type="checkbox"/> 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))</p> <p><u>Lok Ma Chau Road via local road</u></p> <p><input type="checkbox"/> 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)</p> <p><input type="checkbox"/></p>
<p>Any provision of parking space for the proposed use(s)? 是否有為擬議用途提供停車位？</p>	<p>Yes 是</p> <p>No 否</p>	<p><input type="checkbox"/> (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)</p> <p>Private Car Parking Spaces 私家車車位 _____</p> <p>Motorcycle Parking Spaces 電單車車位 _____</p> <p>Light Goods Vehicle Parking Spaces 輕型貨車泊車位 _____</p> <p>Medium Goods Vehicle Parking Spaces 中型貨車泊車位 _____</p> <p>Heavy Goods Vehicle Parking Spaces 重型貨車泊車位 _____</p> <p>Others (Please Specify) 其他 (請列明) _____</p> <p>_____</p> <p>_____</p>
<p>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？</p>	<p>Yes 是</p> <p>No 否</p>	<p><input type="checkbox"/> (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)</p> <p>Taxi Spaces 的士車位 _____</p> <p>Coach Spaces 旅遊巴車位 _____</p> <p>Light Goods Vehicle Spaces 輕型貨車車位 _____</p> <p>Medium Goods Vehicle Spaces 中型貨車車位 _____</p> <p>Heavy Goods Vehicle Spaces 重型貨車車位 _____</p> <p>Others (Please Specify) 其他 (請列明) _____</p> <p>_____</p> <p>_____</p>

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.

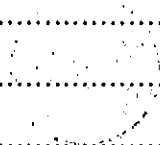
如需要的話，請另頁註明可盡量減少可能出現不良影響的措施，否則請提供理據/理由。

<p>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?</p>	<p>Yes 是</p>	<p><input type="checkbox"/> Please provide details 請提供詳情</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>																														
<p>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。)</p>	<p>Yes 是</p>	<p><input type="checkbox"/> (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)</p> <p><input type="checkbox"/> Diversion of stream 河道改道</p> <p><input type="checkbox"/> Filling of pond 填塘 Area of filling 填塘面積 sq.m 平方米 <input type="checkbox"/> About 約 Depth of filling 填塘深度 m 米 <input type="checkbox"/> About 約</p> <p><input type="checkbox"/> Filling of land 填土 Area of filling 填土面積 sq.m 平方米 <input type="checkbox"/> About 約 Depth of filling 填土厚度 m 米 <input type="checkbox"/> About 約</p> <p><input type="checkbox"/> Excavation of land 挖土 Area of excavation 挖土面積..... sq.m 平方米 <input type="checkbox"/> About 約 Depth of excavation 挖土深度m 米 <input type="checkbox"/> About 約</p>																														
<p>Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響？</p>	<p>No 否</p>	<table border="0"> <tr> <td>On environment 對環境</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>On traffic 對交通</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>On water supply 對供水</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>On drainage 對排水</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>On slopes 對斜坡</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>Affected by slopes 受斜坡影響</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>Landscape Impact 構成景觀影響</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>Tree Felling 砍伐樹木</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>Visual Impact 構成視覺影響</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> <tr> <td>Others (Please Specify) 其他 (請列明)</td> <td>Yes 會 <input type="checkbox"/></td> <td>No 不會 <input checked="" type="checkbox"/></td> </tr> </table> <p>.....</p> <p>.....</p> <p>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)</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	On environment 對環境	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	On traffic 對交通	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	On water supply 對供水	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	On drainage 對排水	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	On slopes 對斜坡	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	Affected by slopes 受斜坡影響	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	Landscape Impact 構成景觀影響	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	Tree Felling 砍伐樹木	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	Visual Impact 構成視覺影響	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>	Others (Please Specify) 其他 (請列明)	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>
On environment 對環境	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>																														
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Tree Felling 砍伐樹木	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>																														
Visual Impact 構成視覺影響	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>																														
Others (Please Specify) 其他 (請列明)	Yes 會 <input type="checkbox"/>	No 不會 <input checked="" type="checkbox"/>																														

10. Justifications 理由

The applicant is invited to provide justifications in support of the application. Use separate sheets if necessary.
 現請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

CHENG HIU YU

ASSISTANT ENGINEER

Name in Block Letters
姓名（請以正楷填寫）

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

27/10/2023

(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.
在該靈灰安置所內，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	<input checked="" type="checkbox"/> About 約
	(includes Government land of 包括政府土地	42.5	sq. m 平方米 <input checked="" type="checkbox"/> 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	<input type="checkbox"/> About 約 <input type="checkbox"/> Not more than 不多於	<input type="checkbox"/> About 約 <input type="checkbox"/> Not more than 不多於
	Non-domestic 非住用	<input type="checkbox"/> About 約 <input type="checkbox"/> Not more than 不多於	<input type="checkbox"/> About 約 <input type="checkbox"/> Not more than 不多於
(ii) No. of blocks 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 <input type="checkbox"/> (Not more than 不多於)	
		mPD 米(主水平基準上) <input type="checkbox"/> (Not more than 不多於)	
		Storeys(s) 層 <input type="checkbox"/> (Not more than 不多於) (<input type="checkbox"/> Include 包括/ <input type="checkbox"/> Exclude 不包括 <input type="checkbox"/> Carport 停車間 <input type="checkbox"/> Basement 地庫 <input type="checkbox"/> Refuge Floor 防火層 <input type="checkbox"/> Podium 平台)	
	Non-domestic 非住用	m 米 <input type="checkbox"/> (Not more than 不多於)	
		mPD 米(主水平基準上) <input type="checkbox"/> (Not more than 不多於)	
		Storeys(s) 層 <input type="checkbox"/> (Not more than 不多於) (<input type="checkbox"/> Include 包括/ <input type="checkbox"/> Exclude 不包括 <input type="checkbox"/> Carport 停車間 <input type="checkbox"/> Basement 地庫 <input type="checkbox"/> Refuge Floor 防火層 <input type="checkbox"/> Podium 平台)	
	Composite 綜合用途	m 米 <input type="checkbox"/> (Not more than 不多於)	
		mPD 米(主水平基準上) <input type="checkbox"/> (Not more than 不多於)	
		Storeys(s) 層 <input type="checkbox"/> (Not more than 不多於) (<input type="checkbox"/> Include 包括/ <input type="checkbox"/> Exclude 不包括 <input type="checkbox"/> Carport 停車間 <input type="checkbox"/> Basement 地庫 <input type="checkbox"/> Refuge Floor 防火層 <input type="checkbox"/> Podium 平台)	
(iv) Site coverage 上蓋面積	% <input type="checkbox"/> 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 <input type="checkbox"/> Not less than 不少於	
	Public 公眾	sq.m 平方米 <input type="checkbox"/> 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) _____ _____	

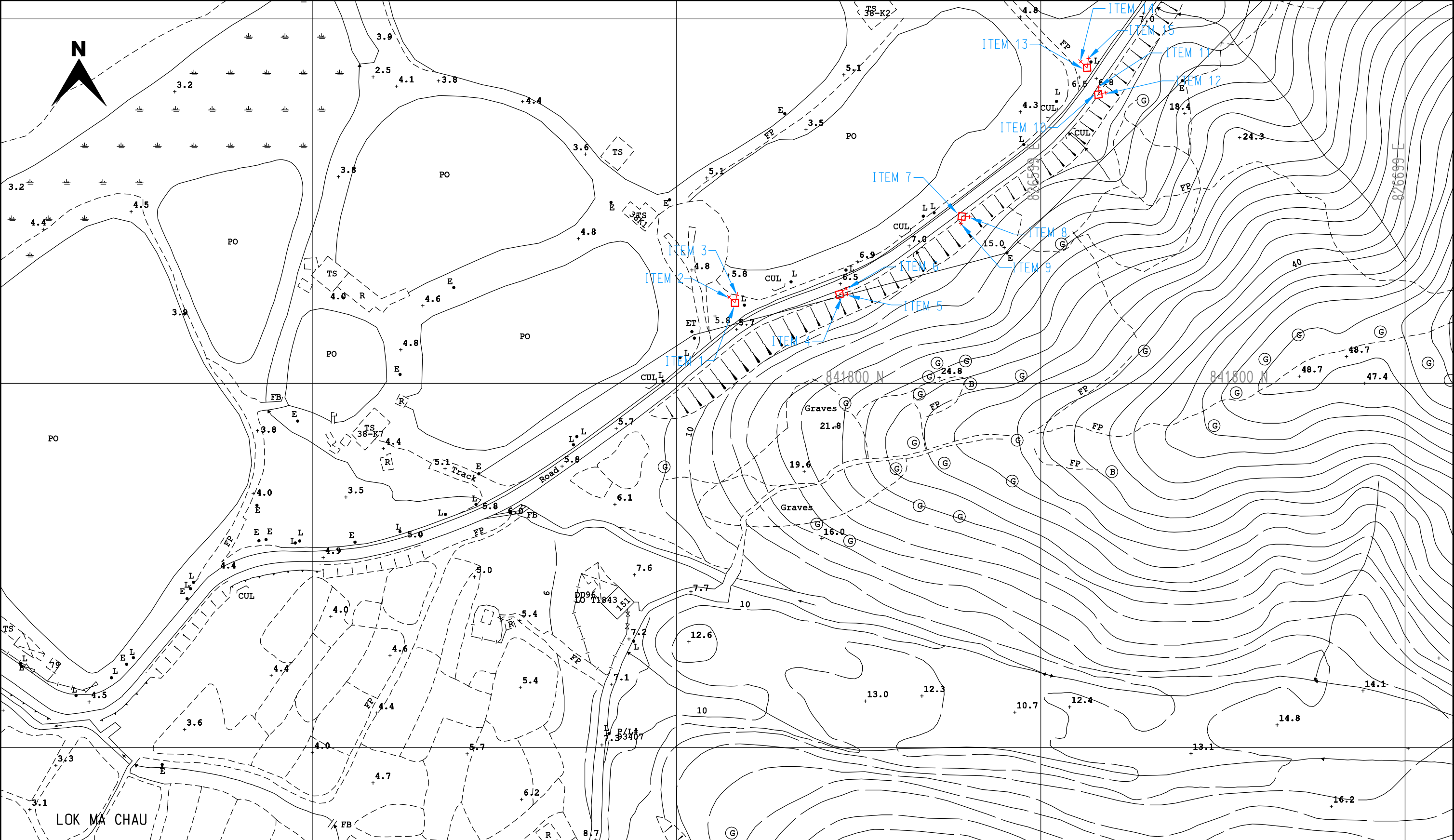
Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件		
	Chinese 中文	English 英文
Plans and Drawings 圖則及繪圖		
Master layout plan(s)/Layout plan(s) 總綱發展藍圖／布局設計圖	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Block plan(s) 樓宇位置圖	<input type="checkbox"/>	<input type="checkbox"/>
Floor plan(s) 樓宇平面圖	<input type="checkbox"/>	<input type="checkbox"/>
Sectional plan(s) 截視圖	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Elevation(s) 立視圖	<input type="checkbox"/>	<input type="checkbox"/>
Photomontage(s) showing the proposed development 顯示擬議發展的合成照片	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Master landscape plan(s)/Landscape plan(s) 園境設計總圖／園境設計圖	<input type="checkbox"/>	<input type="checkbox"/>
Others (please specify) 其他 (請註明)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Location plan, Vehicular road access plan		
Reports 報告書		
Planning Statement/Justifications 規劃綱領/理據	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environmental assessment (noise, air and/or water pollutions) 環境評估 (噪音、空氣及／或水的污染)	<input type="checkbox"/>	<input type="checkbox"/>
Traffic impact assessment (on vehicles) 就車輛的交通影響評估	<input type="checkbox"/>	<input type="checkbox"/>
Traffic impact assessment (on pedestrians) 就行人的交通影響評估	<input type="checkbox"/>	<input type="checkbox"/>
Visual impact assessment 視覺影響評估	<input type="checkbox"/>	<input type="checkbox"/>
Landscape impact assessment 景觀影響評估	<input type="checkbox"/>	<input type="checkbox"/>
Tree Survey 樹木調查	<input type="checkbox"/>	<input type="checkbox"/>
Geotechnical impact assessment 土力影響評估	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drainage impact assessment 排水影響評估	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sewerage impact assessment 排污影響評估	<input type="checkbox"/>	<input type="checkbox"/>
Risk Assessment 風險評估	<input type="checkbox"/>	<input type="checkbox"/>
Others (please specify) 其他 (請註明)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Application reason letter		
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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Appendix 1 - Application site



LEGEND :

PROPOSED TRENCH FOR LAYING / RECOVERING CABLE

PROPOSED TRENCH FOR LAYING DUCTS

PROPOSED CABLE THROUGH EXISTING DUCTS

EXISTING PILLAR

PROPOSED PILLAR 1.6M x 0.6M x 0.75M / CUTOUT BOX

EXCAVATION FOR JOINTING / REPAIRING / INSPECTING CABLE

PROPOSED 5.0M(L) x 2.39M(W) x 3.0M(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

DATE :30-11-2021

REGION :NR

DRAWN :C.M.TANG

CHECKED :Y.F.YIK

O.C. : YL

E/O NO :

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

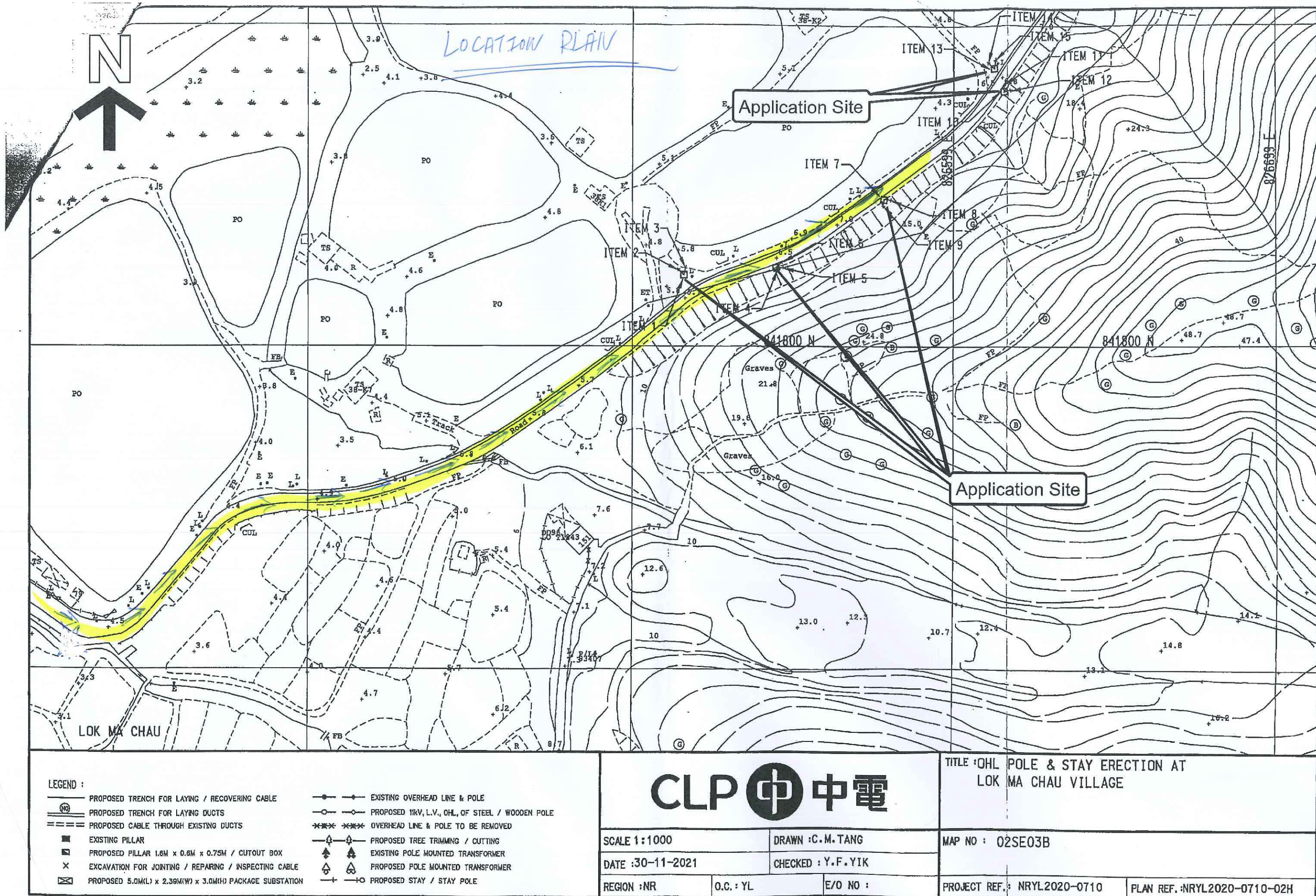
MAP NO : 02SE03B

PROJECT REF.: NRYL2020-0710

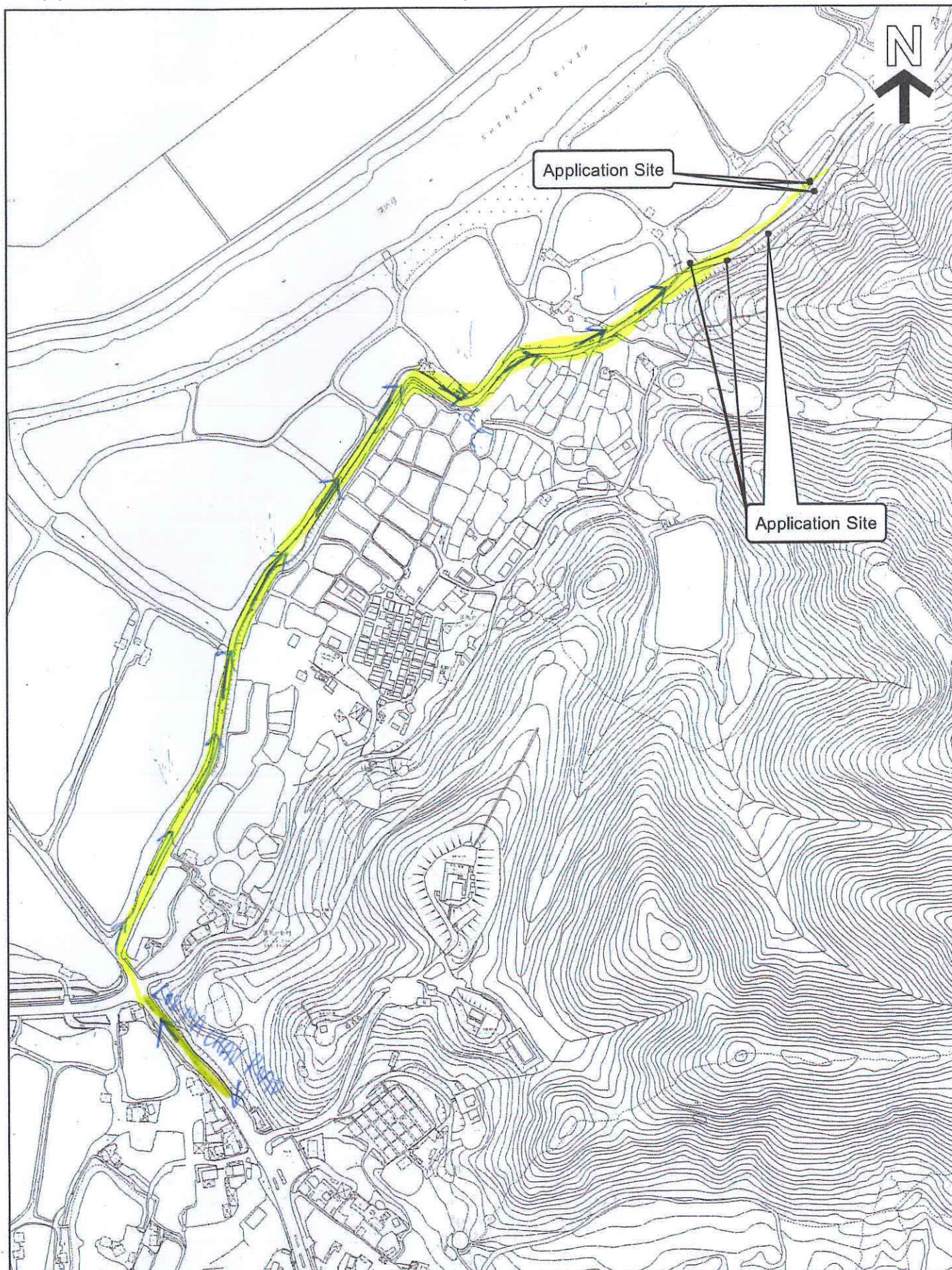
PLAN REF.:NRYL2020-0710-02H

Map data reproduced with permission of the Director of Lands. (C) Hong Kong

Appendix 2 - Vehicular road access plan

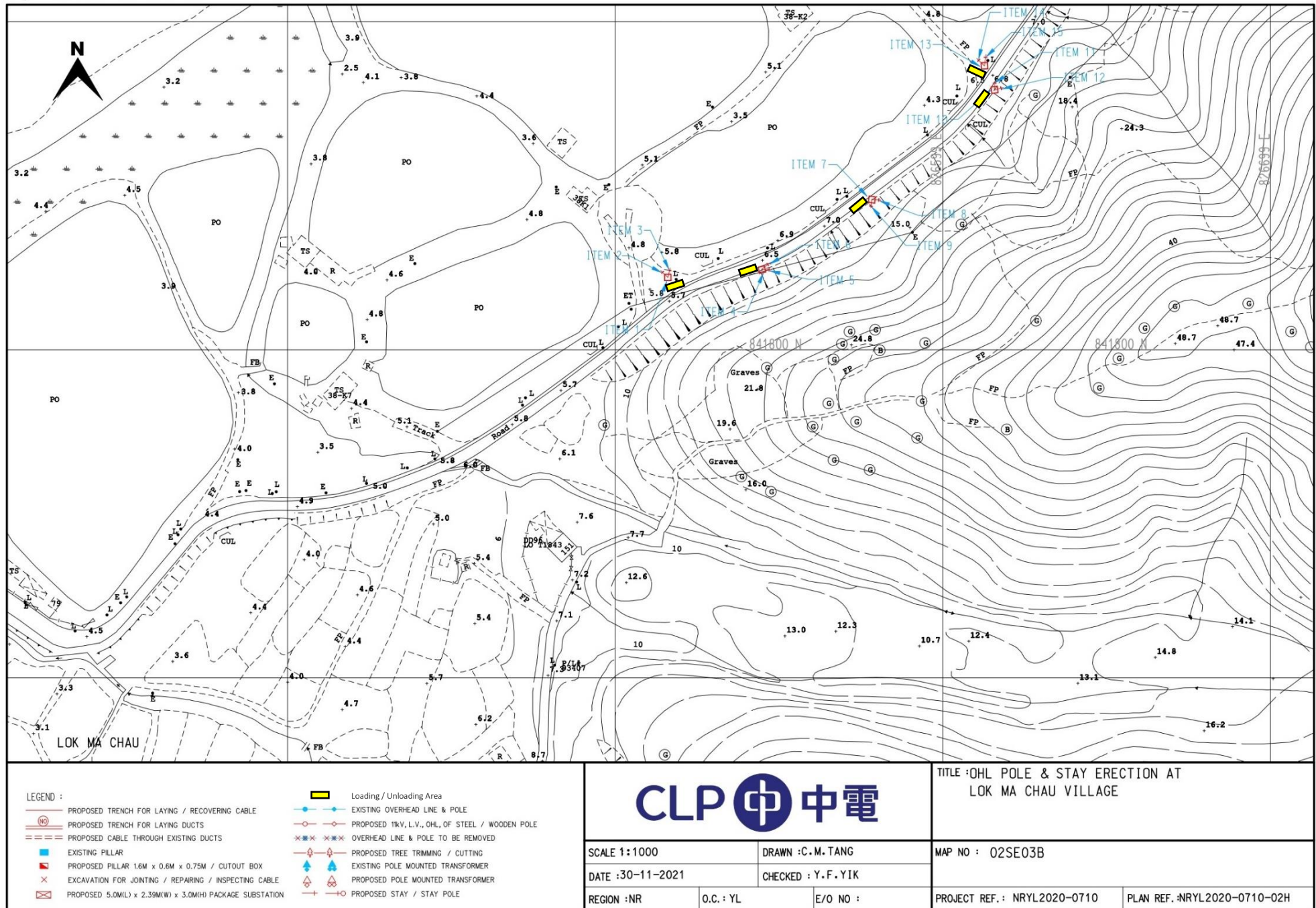


Appendix 2 - Vehicular road access plan



Vehicular Road Access Plan

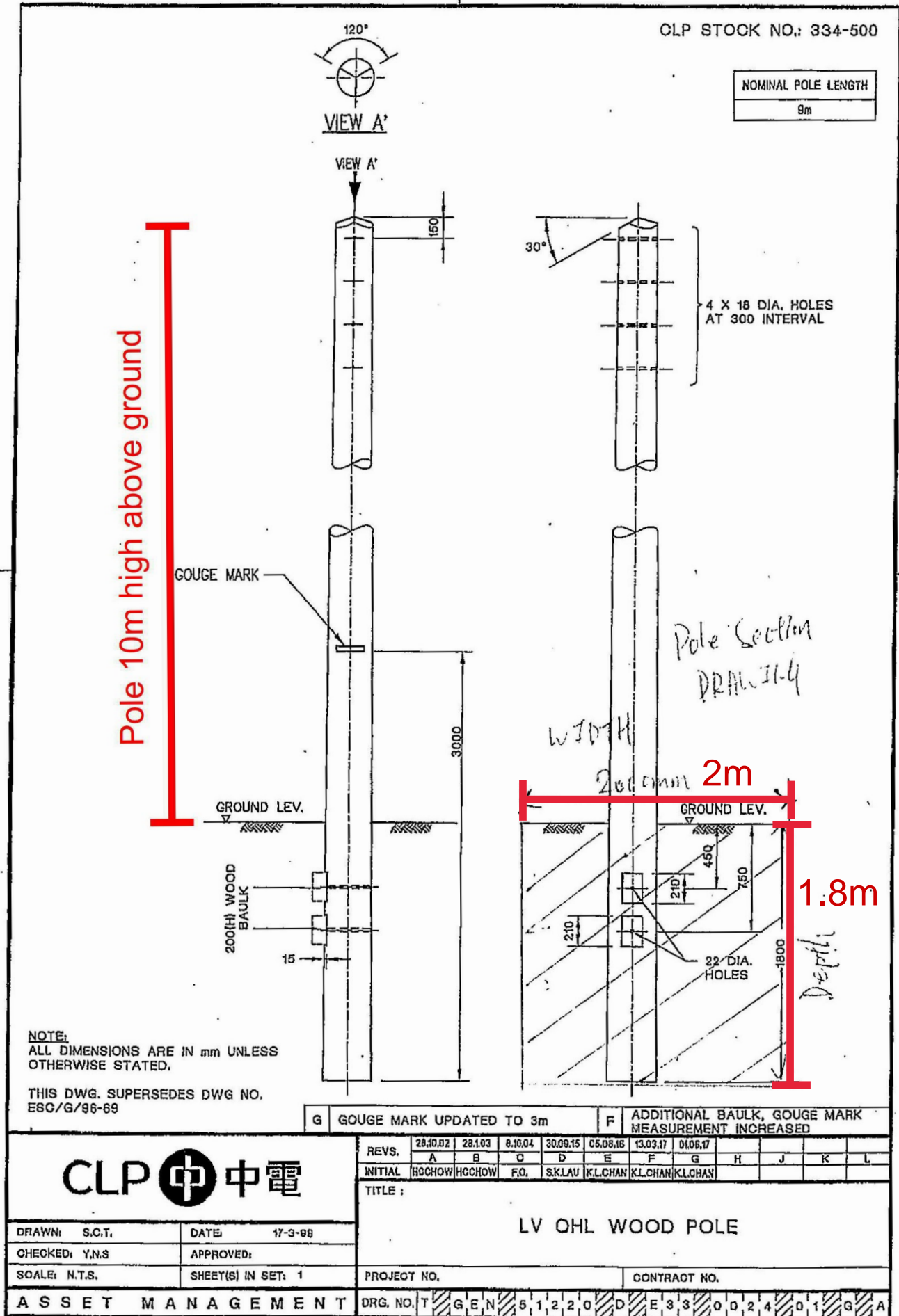
Appendix 2 - Vehicular road access plan



Map data reproduced with permission of the Director of Lands. (C) Hong Kong

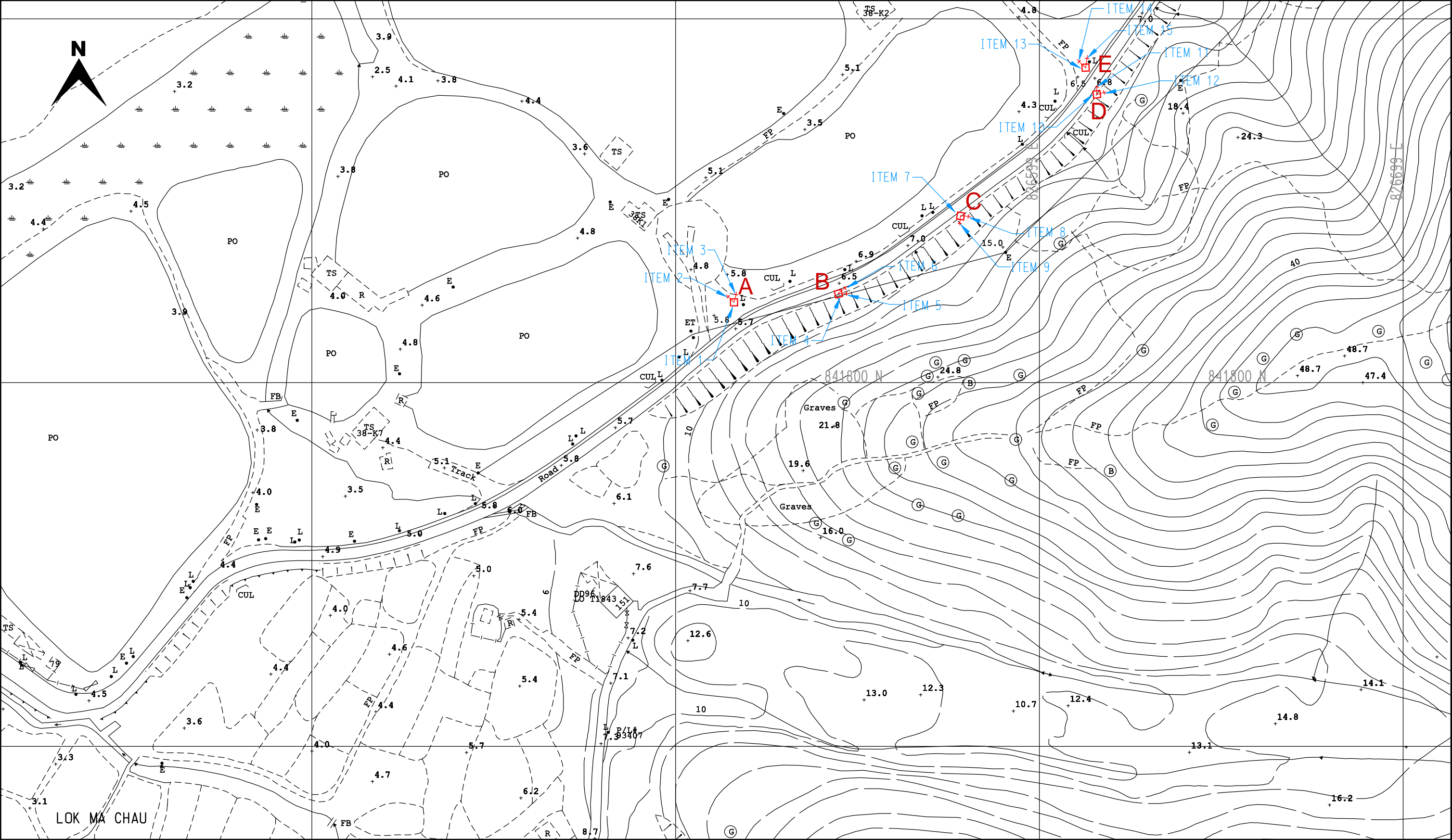
For the parking of the car lorry would stand by at the passing place and wait for the installation work to reduce obstruct time of the traffic. While work 2 side of the road would have workers directs traffic. While work would require around 10 minutes for car lorry loading/ unloading.

Excavation for pole stay:
1.5m(Length)x1.5m(Width)x1.5m(Depth)



Excavation for pole:
2m(Length)x2m(Width)x1.8m(Depth)

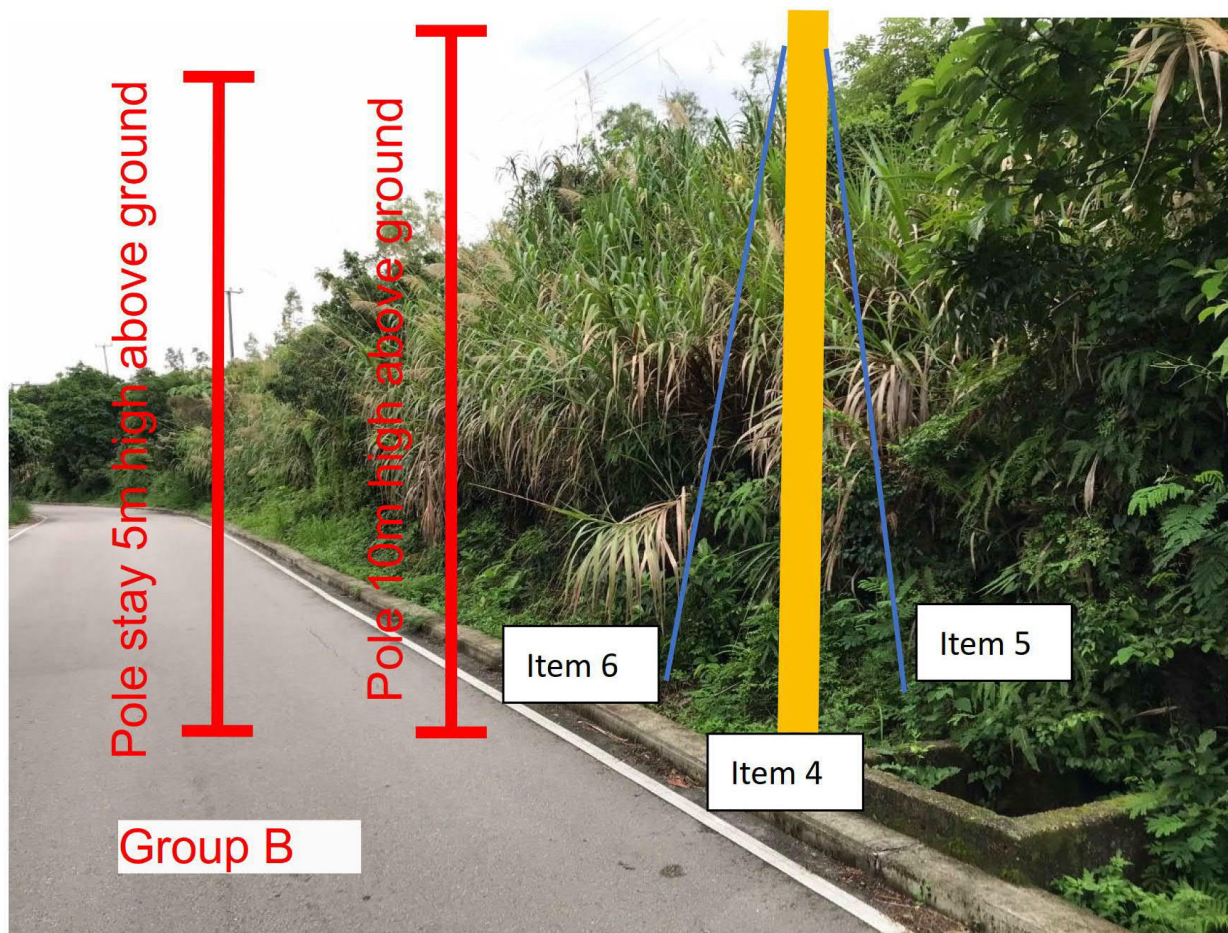
Appendix 3 - Location Plan and sectional plan



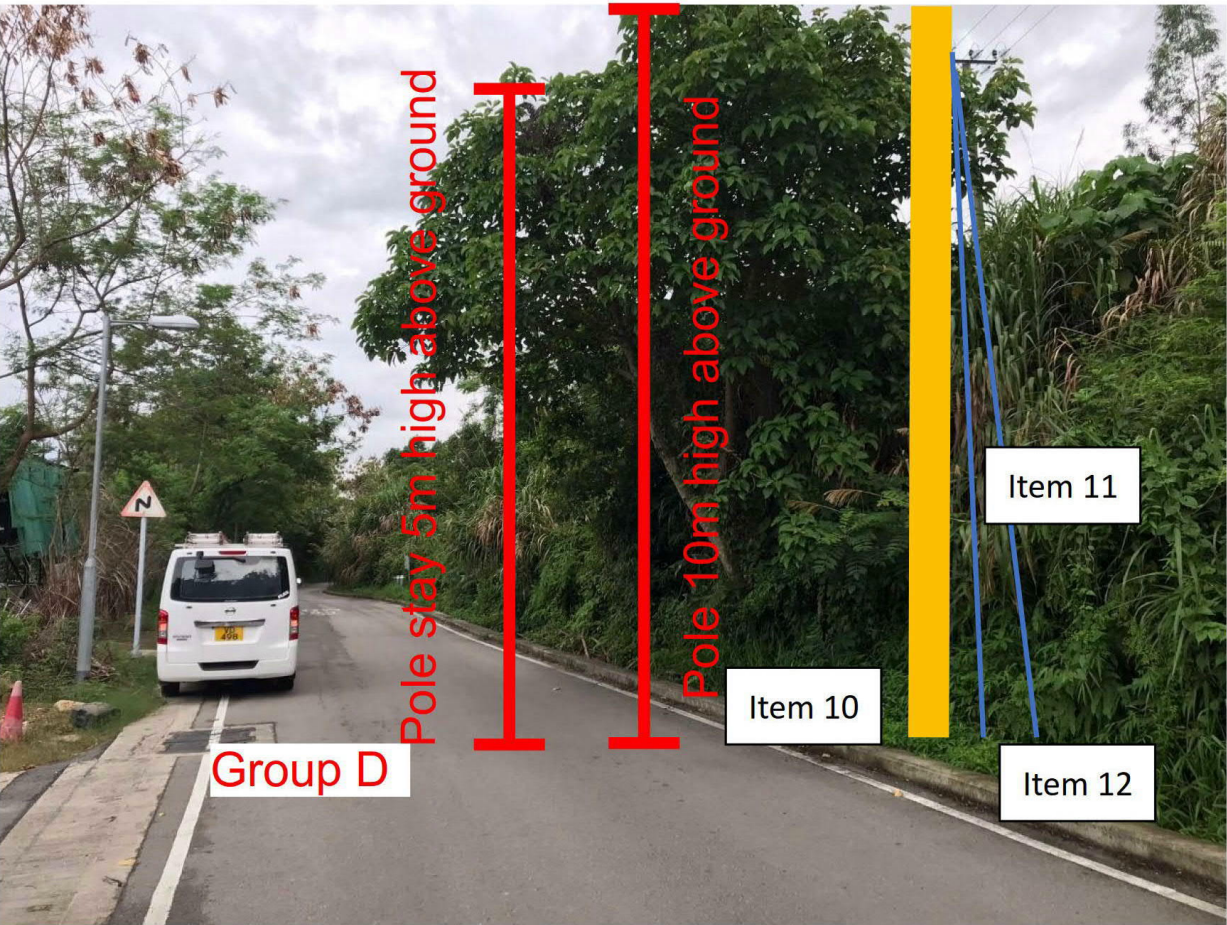
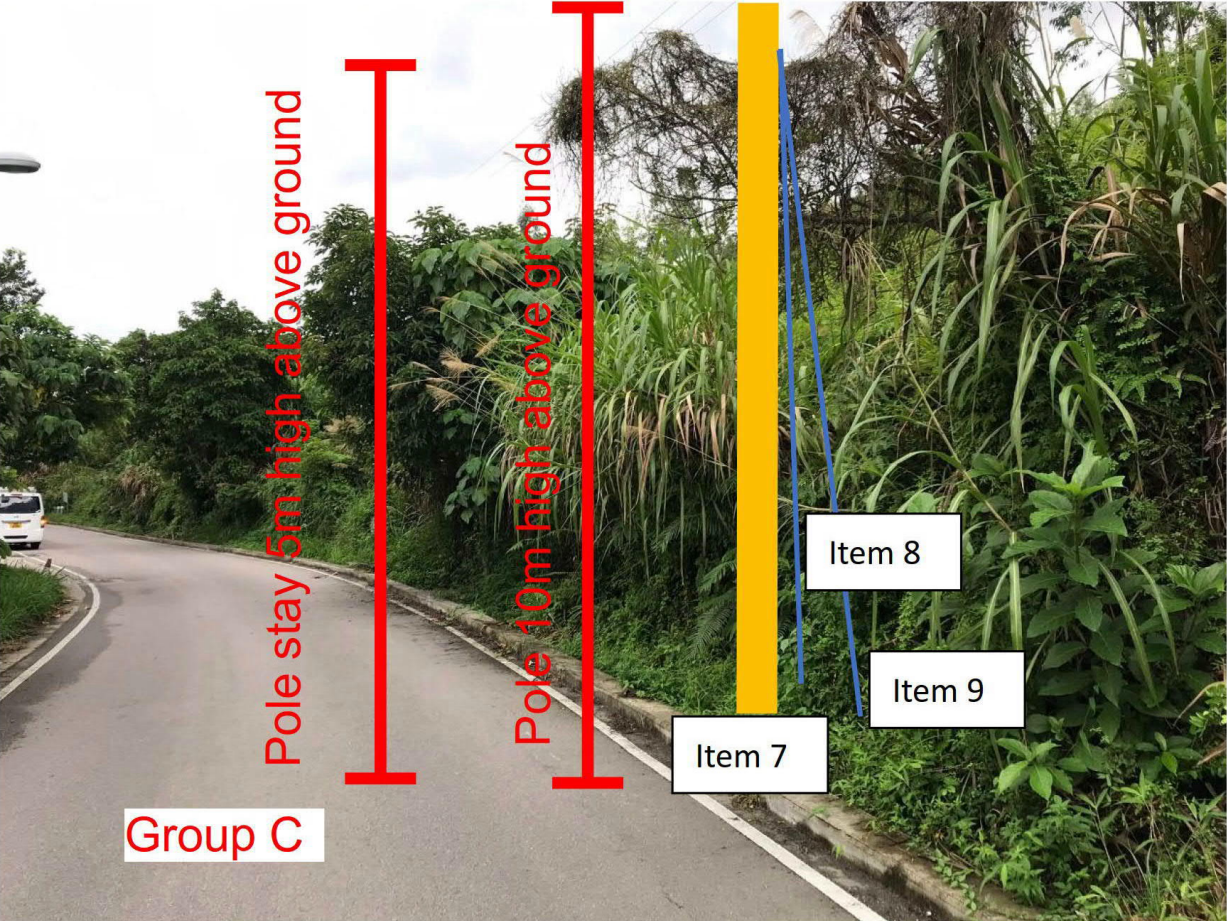
<div>LEGEND :</div> <div><div><div><div></div></div><div>PROPOSED TRENCH FOR LAYING / RECOVERING CABLE</div></div><div><div><div></div></div><div>PROPOSED TRENCH FOR LAYING DUCTS</div></div><div><div><div></div></div><div>PROPOSED CABLE THROUGH EXISTING DUCTS</div></div><div><div><div></div></div><div>EXISTING PILLAR</div></div><div><div><div></div></div><div>PROPOSED PILLAR 1.6M x 0.6M x 0.75M / CUTOUT BOX</div></div><div><div><div></div></div><div>EXCAVATION FOR JOINTING / REPAIRING / INSPECTING CABLE</div></div><div><div><div></div></div><div>PROPOSED 5.0M(L) x 2.39M(W) x 3.0M(H) PACKAGE SUBSTATION</div></div></div> <div><div><div></div></div><div>EXISTING OVERHEAD LINE & POLE</div></div> <div><div><div></div></div><div>PROPOSED 11kV, L.V., OHL, OF STEEL / WOODEN POLE</div></div> <div><div><div></div></div><div>OVERHEAD LINE & POLE TO BE REMOVED</div></div> <div><div><div></div></div><div>PROPOSED TREE TRIMMING / CUTTING</div></div> <div><div><div></div></div><div>EXISTING POLE MOUNTED TRANSFORMER</div></div> <div><div><div></div></div><div>PROPOSED POLE MOUNTED TRANSFORMER</div></div> <div><div><div></div></div><div>PROPOSED STAY / STAY POLE</div></div>

Map data reproduced with permission of the Director of Lands. (C) Hong Kong

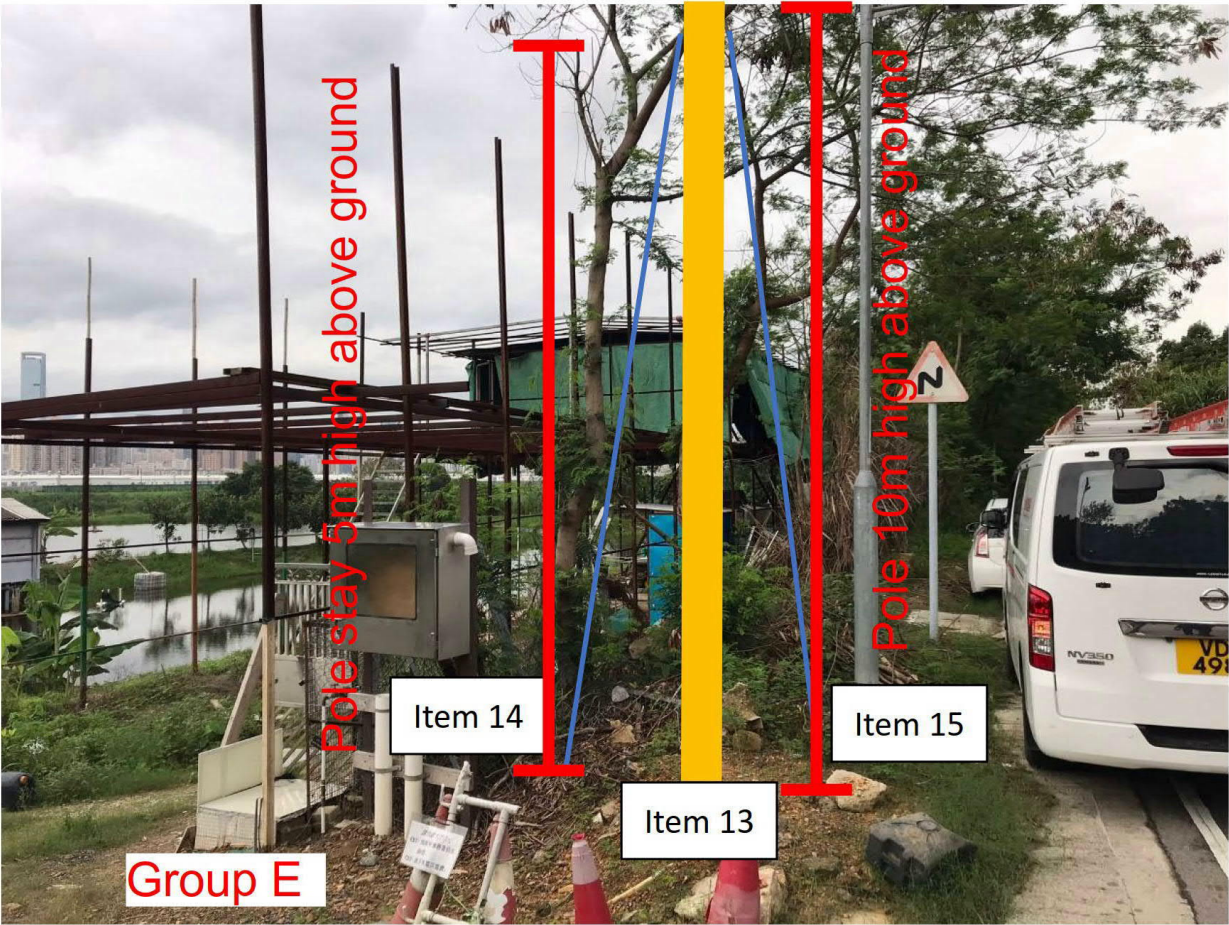
Appendix 4 - Photomontages showing the proposed development



Appendix 4 - Photomontages showing the proposed development



Appendix 4 - Photomontages showing the proposed development



本人《高舜鵬》農地編號:DD96 地段 1808 地主，申請用電目的如下

- 1，為保安圍封上述地段及安裝視頻監控。（用電單相約 1 千至 2 千 w
 - 2，排洪及防洪水氾濫（安裝三相泵 7500w2 部圖 1，單相泵 3000w2 部圖 2。）供電時，請提供多 20 至 30%的供電設置，以防特大洪水時應急用。
- 需電約需三相電 32000w。



圖 1

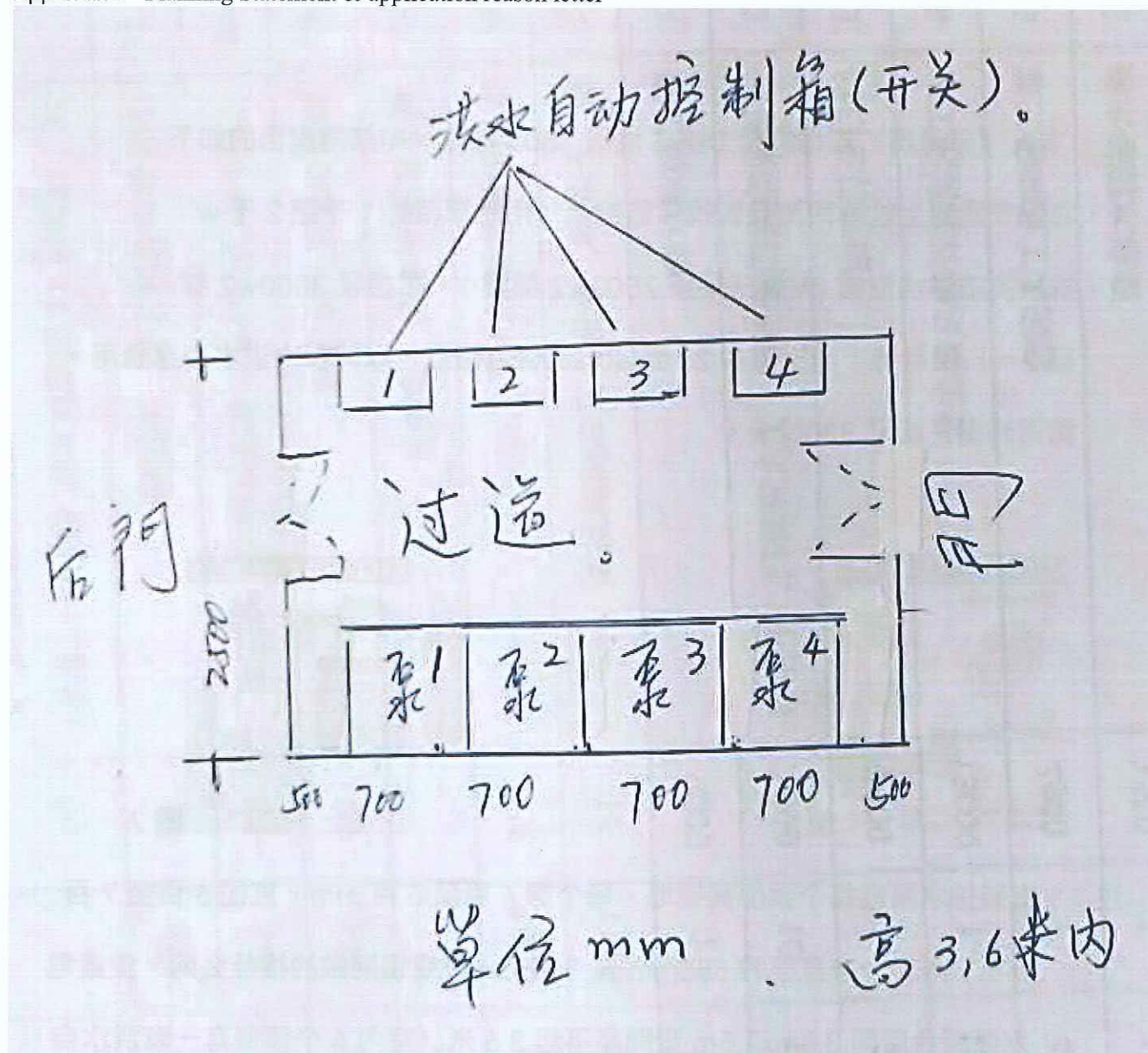


圖 2

- 注：1 安裝抽水泵處每個泵都需掘地，每個深 4 百至 6 百 mm，直徑 6 百至 7 百 mm。內加一個直徑約 550mm 深 500mm 竹或鐵網做的格什麼網。安置電水泵組合房間 3.8mx2.5m 壹間高不起 3.6 米（室內 4 個泵各有一套洪水自動控制系統共 4 套，各自獨立運作，每一套控制 1 個排洪水泵。保護水泵運作良好。）
- 2 排洪渠在上述地址 1 百米內有 3 個井口，可供上述排洪泵的排洪管連接用，排洪排水可解決。

申請人：高舜鵬

27.3.2023



申請用電補充資料

致：城市規劃委員會

元朗新田落馬洲第 96 約地段第 108 號

关于申請用電資料補充

致：各相关部门官员

各位官员，大家好，本人再提供相关资料，誠意請求各部門均可先詳儘細閱。

1、回应不符合【自然保育区】地带的规划意向。按现况与完成改造后相比较，本次申請用電是对保育区的规划及生态价值保护有益及更有利。理据：

(1) 它符合规划指引编号 12C，不会有湿地净减少，及不会碎片化，并可使湿地生态不受污染。上述地段土地，本是斜坡农地，种植香蕉，后因斜坡泥土流失等原因荒废，我上家地主就因荒废及其他原因，在卖给我前需做改善土地并绿化土地，做到合府政府规划，并得到政府认可（即解除土地禁制今后才可进行买卖成交）。本次申請用電用途，除排洪，還有保安用途，会有专人进行管理及绿化土地，并可防止他人在上址有非法活动，例：非法堆填土渣什么等。（已發生過非法堆填土渣，政府也進行過檢控。）

(2) 上述地址在 2020 年 4 月 21 日改作新冠病毒强制令的强制隔离居所（见附图一，二）。現这次申請用電，是改善湿地共生的方案，例：改善美化隔离时的排水渠等，還會將曾经受洪水（山水）及马路冲入上址的有害物料，例：油和污渍等，清理及改善土壤，这样对左邻右里的鱼塘及湿地更有益，多方面保护鱼塘及湿地，更可提高及完善生态系统的价值，使其可持续发展；每次及時清除油污渍后进行绿化。

如申請用電獲得批准，就可即時排洪，排污水，不需污染后再做清理及改善。又可保護斜坡，綠化植物等都可以及時得到保育。从源頭把問題解決。做到三贏，防洪，解決污染問題，防止不法填堆泥渣等有害物。政府可解決一个《垃圾黑點》，地主可再不用被檢控，綠化土地及做好保護濕地的示範。

综合上述各项，全部是为改善濕地生態，完善濕地整体，绿化土地，細心營造，使上述旧約农地不再荒废，因为在荒废时，会滋生蚊虫、老鼠、蛇、杂草等有害物，也会引发他人堆填泥渣，什物等有害物。上述事项已有先例，为防止再发生，或如再发生，本人也会受政府檢控，请各位能体恤本人苦心。

申請人：高

14, 4, 2023

Appendix 5 - Planning Statement & application reason letter





Appendix 5 - Planning Statement & application reason letter

關於：元朗新田落馬洲第 96 約地段第 1808 號，防洪水，排山洪水的部分會議記要。

多謝規劃署三位官員及渠務署一位官員出席 2023 年 9 月 20 日的會議(會議地點：荃灣中染大廈 22 樓 2202 室)，多謝高級城市規劃師趙先生等與會人員的熱誠接見。

會議主要解決：

元朗 DD96 第 1808 號地段排洪問題。本人高舜鵬在會議現場向參加會議各官員（再次講解了困擾多年的洪水問題，提供了多次向政府相關部門反映情況的實際情況，同時現場公示了水浸及山洪衝經馬路再衝入 1808 號地段的視頻及相片，事實展現防洪及排洪是非常緊迫及必須的，洪水及斜坡必須立刻整理，洪水也引起了斜坡塌方，對周圍地段和路人等相關人士都有非常嚴重的安全隱患(現再附上塌方相片)，參加會議的全部各方官員都沒有反對排山洪的意見。

現本人懇求各相關部門立即批准防洪、排洪的相關事項，包括本人在 DD96 第 1808 號地段的排洪用電問題，這是本人第四次向貴署申請排洪用電，請貴署能盡快解決排洪的實際問題，以免以後萬一出現不可意料等安全問題。另有視頻可以提位給貴署，如需要希貴署提供接受方案。

申訴人：

高舜鵬

3/10/2023

Appendix 5 - Planning Statement & application reason letter



Appendix 5 - Planning Statement & application reason letter



Appendix 5 - Planning Statement & application reason letter



Appendix 5 - Planning Statement & application reason letter



Appendix 5 - Planning Statement & application reason letter



Appendix 6 - Drainage impact assessment

丈量约份第 96 约地段第 1808 号（按实际情况及图计算雨量及排水设备排水量/时）

根据位置及面积图周边的环境估算，其中（渠已废弃及堵塞及井已废弃及堵塞）。

流向第 1808 号地段的雨水面积约 99 亩。

按 2008 年 6 月 8 日 8 时至 9 时雨量计算（全港平均降雨量 145.5 毫米计）。

即 $99 \text{ 亩} \times 667 \text{ 升/毫米} \times 145.5 \text{ 毫米/时} = 9607801 \text{ 升/时}$ 。按 5%至 20%冲入第 1808 号地段计。

即 $9607801 \times 5\% = 480390 \text{ 升}$ 。现只以 5%计算机。

现以 5%计 480390 升计，四个水泵同时开，大泵 2 台，小泵 2 台，共 4 台每小时合共排水量 280 升/小时计，需时约 1715 个小时才能完成。所以 4 台泵同时开只能应付中雨。

考虑到土地吸水量及下雨的时间。如连续下雨不超 2 天，雨量不超 15 毫米/时，4 台抽水泵时工作，预计可以及时把雨水排出（设计时雨量是平均的下雨。）此据



2303/4/10 日

注：按 667 升/亩每毫升雨量计算。

Appendix 6 - Drainage impact assessment

3
中國移動

76%12:01









中央政府門戶網站www.gov.cn2008年06月08日來源：新華社

【字體：大 中 小】

【E-mail推薦

發送】

打印本頁

關閉窗口

新華社香港6月7日電（記者陳思武 孫浩）受活躍熱帶低壓槽影響，香港7日降大暴雨，香港天文臺連續發出多個暴雨警告。天文臺表示，8時至9時期間，全港平均錄得145.5毫米降雨量，是有記錄以來香港1小時內的最高降雨量紀錄。

香港天文臺署理高級科學主任李新偉表示，截至17時全日錄得的降雨量已達300毫米，約佔全年降雨量的10.5%。據天文臺記錄，7日上午香港發生了將近8000次閃電。

持續暴雨給香港帶來嚴重影響，港島的灣仔、中環、上環，新界的大嶼山等多處地方水浸，多輛汽車在水中拋錨甚至遭“沒頂之災”，多處交通癱瘓。香港特區政府多個部門立即啟動應急機制，宣佈學校停課、一些機構停止服務及辦公。

香港機場管理局表示，截至17時，香港國際機場共有345班離港和抵港航機延誤，另有6班航班需要取消，預計所有航班需至深夜才能恢復正常。

因暴雨襲擊，新界屯門區舊咖啡灣一間平房因山泥傾瀉而坍塌，6人一度被困。經消防人員全力救援，有4人獲救，另2人傍晚被救出時已無生命跡象，隨後被證實死亡。

李新偉表示，未來幾日，影響香港的低壓槽開始減弱，預計仍有驟雨，間中會有陽光。

相關鏈結

· 湖北宜昌城區因雷暴雨受損線路7日全部恢復供電

· 連續暴雨將臨 贛啟動重大氣象災害三級應急響應

· 因暴雨造成平武山體滑坡和坍塌道路全部疏通完畢

· 上海出現大風雷電暴雨冰雹天氣

圖片圖表



李源潮出席紀念“三八”國際婦女節暨全國三八紅旗手錶彰大會並講話



紀念“三八”國際婦女節暨全國三八紅旗手(集體)表彰大會舉行



楊潔篪會見英國國際開發大臣

<

>

C



法兰款
切割泵

7500W-4寸

5米线

380V

超强劲合金钢刀片



流量:	100m ³ /h
扬程:	15m
口径:	4寸(100mm)



底部连出水口长约46cm

3000W 3寸 不锈钢污水泵

智能款 内置保护器不烧机



全新矽钢片

赠



帆布耐磨管

电源线

卡箍

螺丝刀

10米井绳

手套



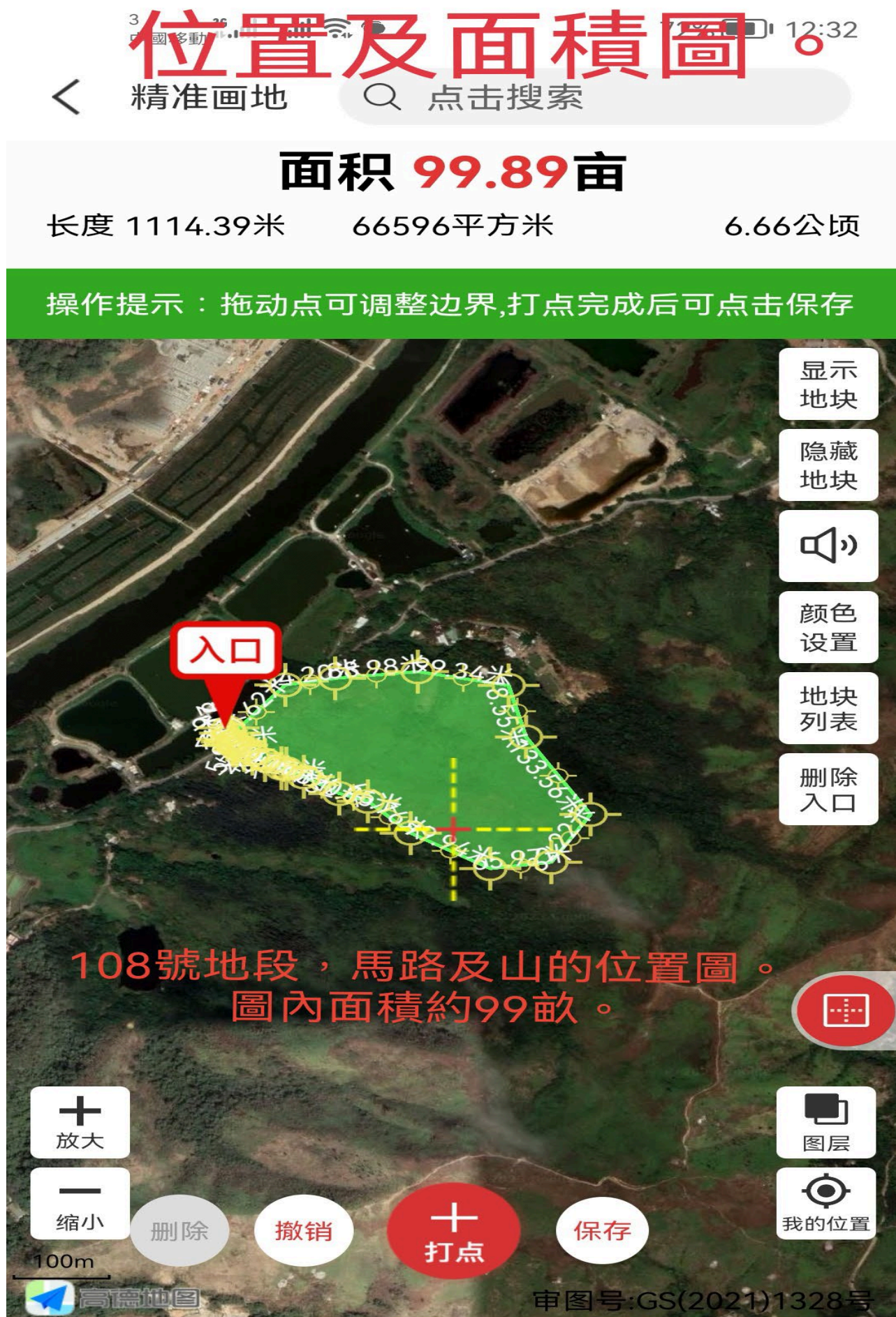
75mm

功率: 3000W

口径: 3寸(75mm)

流量: 40m³/h

扬程: 14m





Appendix 6 - Drainage impact assessment





雨水沖成渠。

經尚雨積石塊及泥

Appendix 6 - Drainage impact assessment



续下页

Appendix 6 - Drainage impact assessment





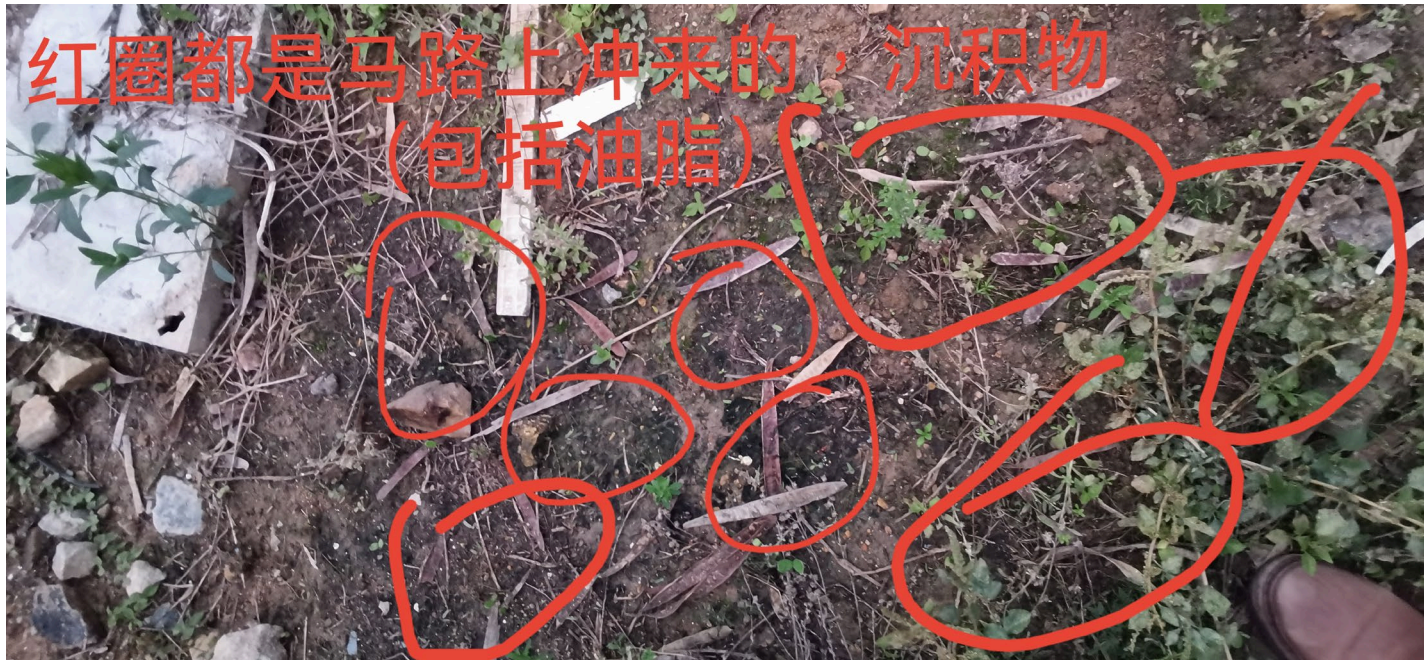


Appendix 6 - Drainage impact assessment



Appendix 6 - Drainage impact assessment







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.

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- Inventory Plan
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- Features and Sections
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Slope Maintenance Responsibility Report Downloaded from SMRIS
- Appendix C Location Plan of Existing Boreholes
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Existing Ground Investigation Records
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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

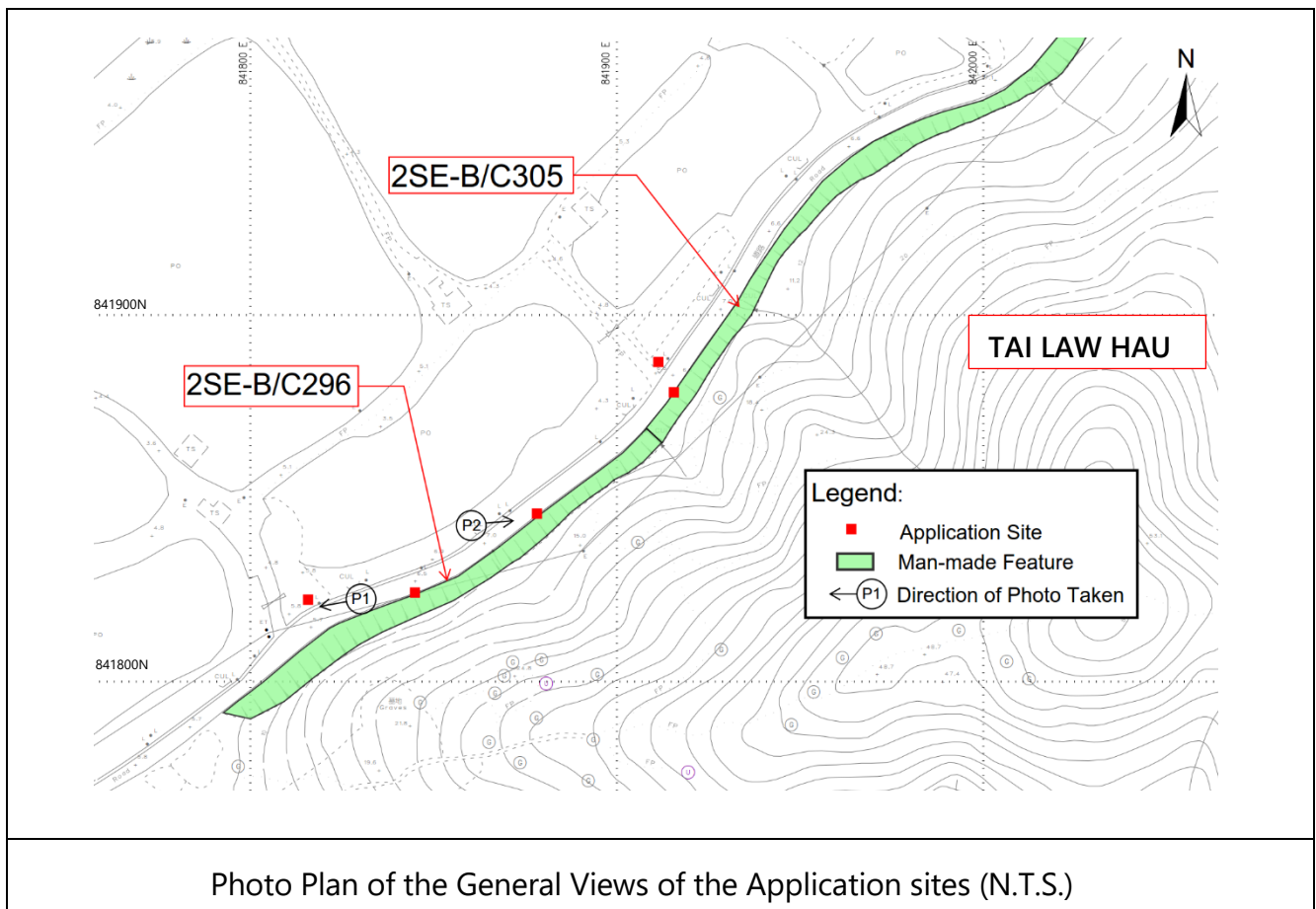
2. Description of Site Conditions

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).

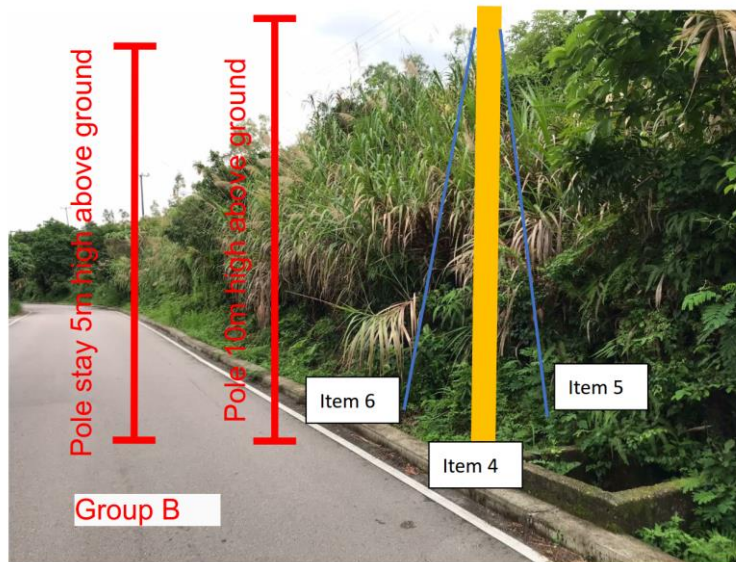
For the proposed public utility installation, 5 OHL poles with approximate height of 10m will be installed in the specified areas along a local road. General views along with the photo plan of the application site are shown in the Plates below. The road gradients is quite gentle and all poles are located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





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 poles at the slope toe, stability analysis is proposed to be carried out.

4.2 Natural Terrain Hazard

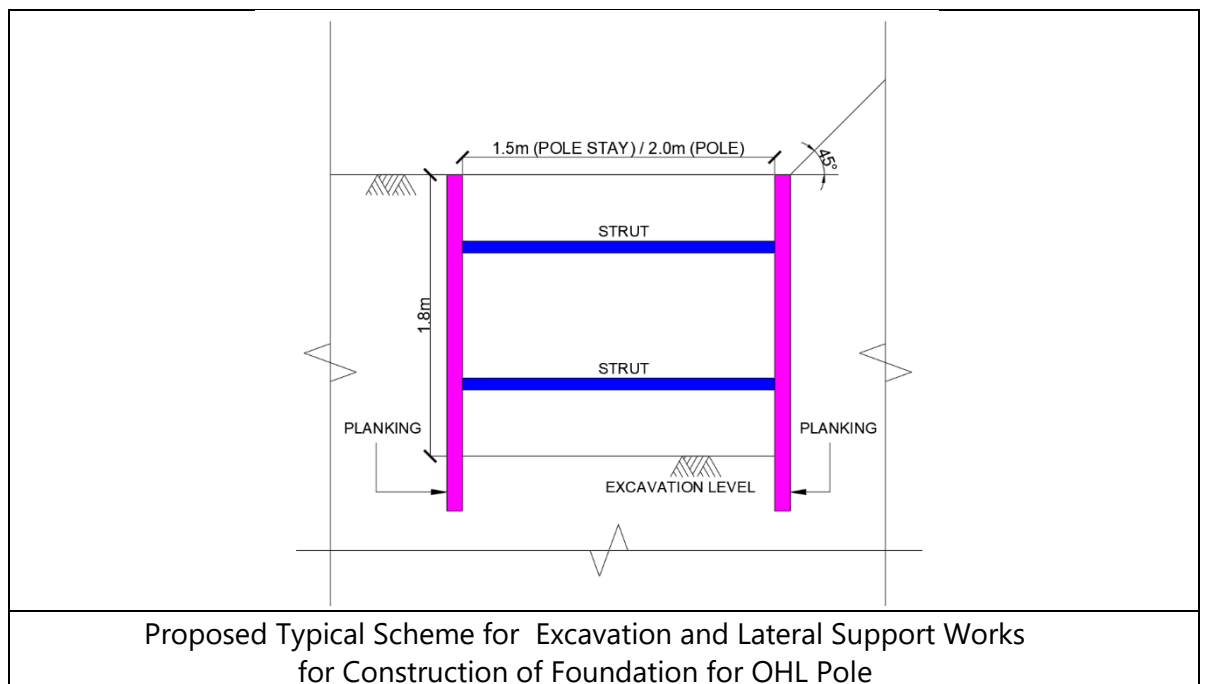
A natural hillside (shown in [Appendix A](#)) near proposed poles location is located to the southeast. The hillside is elevated from the man-made slopes 2SE-B/C296 and 2SE-B/C305 (+11mPD) along the site towards the southeast direction (+49mPD max). Sections 1, 2 & 3 (in the same Appendix) shows that 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 comprise 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 comprise 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.



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 poles 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.

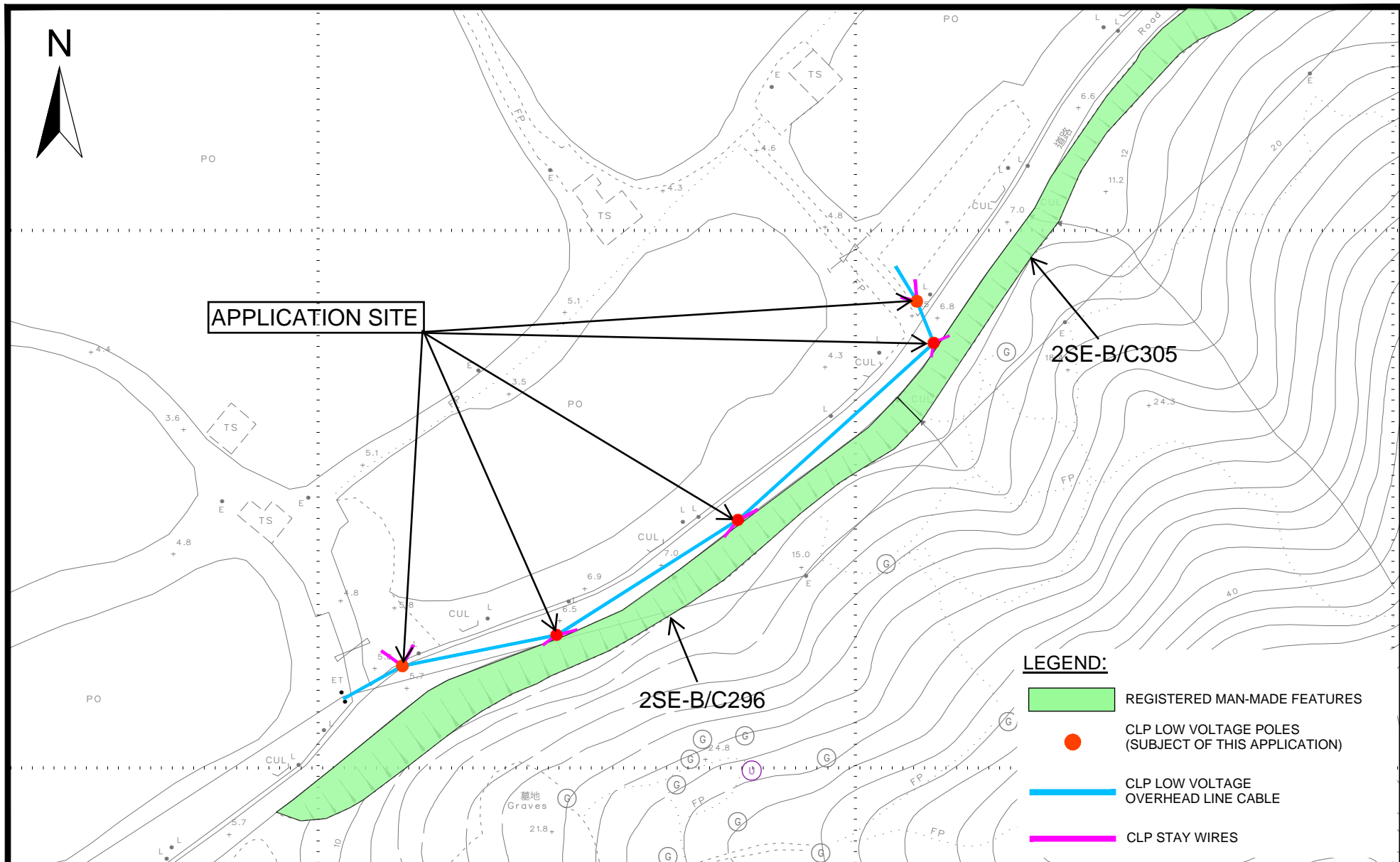
6. References

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".

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Drawn by :

Checked by :



	<p>Project</p> <p>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</p>	<p>Drawing Title</p> <p>SITE PLAN</p>	<p>Job No.</p> <p>190011.051</p> <p>Scale</p> <p>1 : 1000</p>	<p>Figure No.</p> <p>2</p> <p>Date</p> <p>JUL-2022</p>
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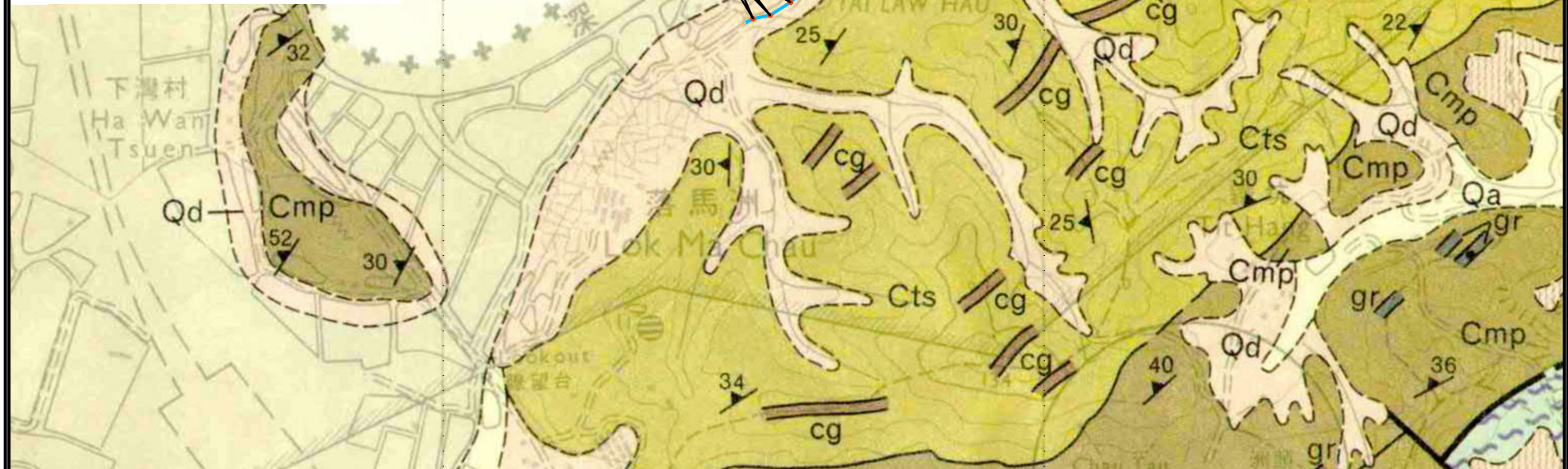
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LEGEND :

	GEOLOGICAL BOUNDARY, SOLID ROCK		CLAY/ SILT, SAND AND GRAVEL; WELL-SORTED TO SEMI-SORTED (ALLUVIUM)
	GEOLOGICAL BOUNDARY, SUPERFICIAL DEPOSIT		UNSORTED SAND, GRAVEL, COBBLES AND BOULDERS; CLAY/ SILT MATRIX (DEBRIS FLOW DEPOSITS)
	FAULT (CROSSMARK INDICATES DOWNTROW SIDE)		METACONGLOMERATE
	FOLIATION (INCLINED)		PHYLLITE, METASILTSTONE WITH METASANDSTONE AND GRAPHITE SCHIST
	SCHIST		METASANDSTONE WITH METACONGLOMERATE AND PHYLLITE
	SLIGHTLY METAMORPHOSED		
	BROKEN LINES ON MAP FACE DENOTE UNCERTAINTY		
	CLP LOW VOLTAGE POLES (SUBJECT OF THIS APPLICATION)		
	CLP LOW VOLTAGE OVERHEAD LINE CABLE		



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

REGIONAL GEOLOGICAL MAP
H.K. Geological Survey, Series HGM20, Sheet 02, 1988 Edition

Job No.

190011.051

Scale

1 : 10000

Figure No.

3

Date

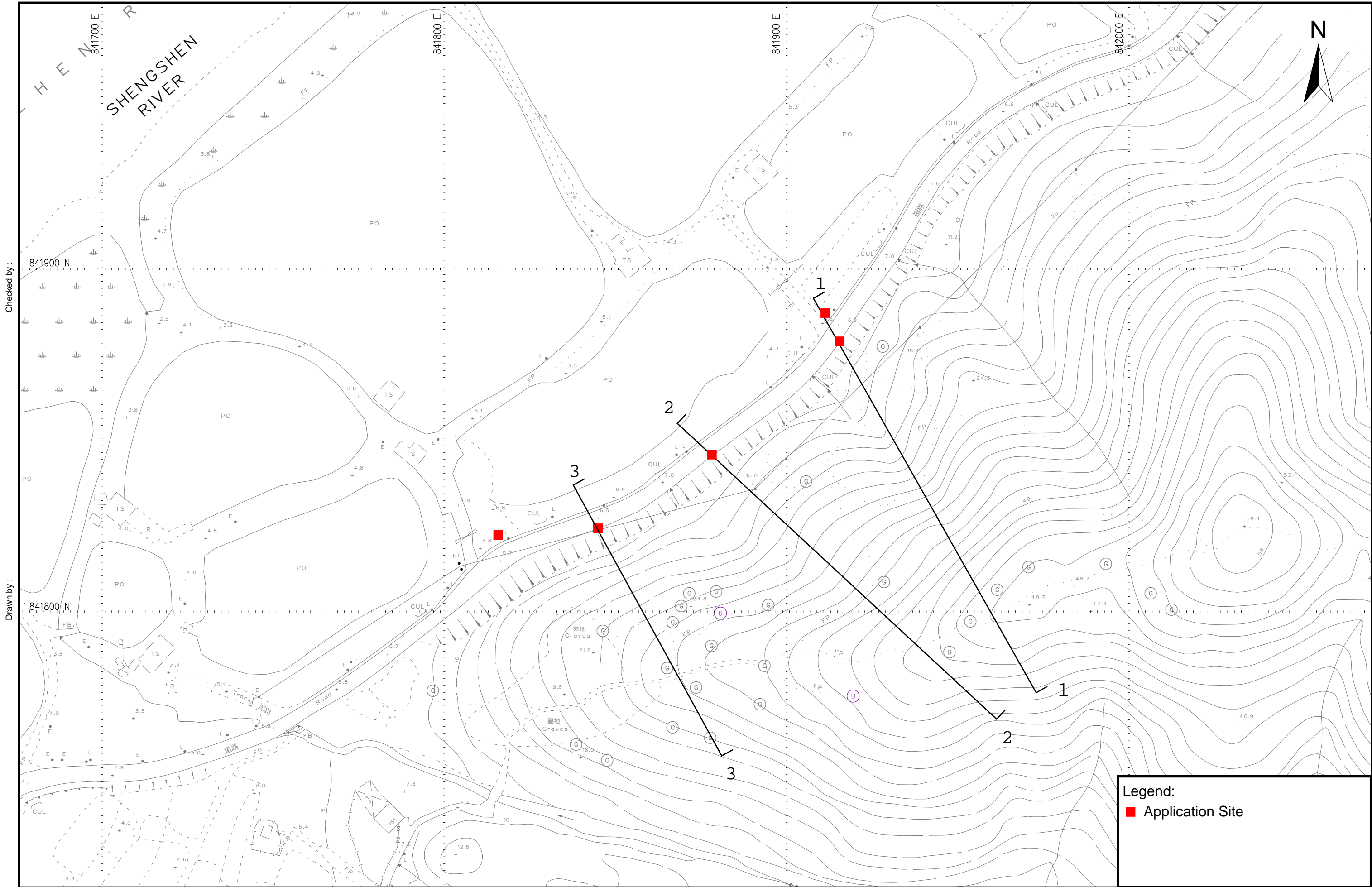
JUL-2022

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



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FUGRO 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 EXCAVATION OF LAND (OHL POLE & STAY ERECTION)
AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG

Drawing Title
Natural Terrain Plan

Legend:
■ Application Site

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

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

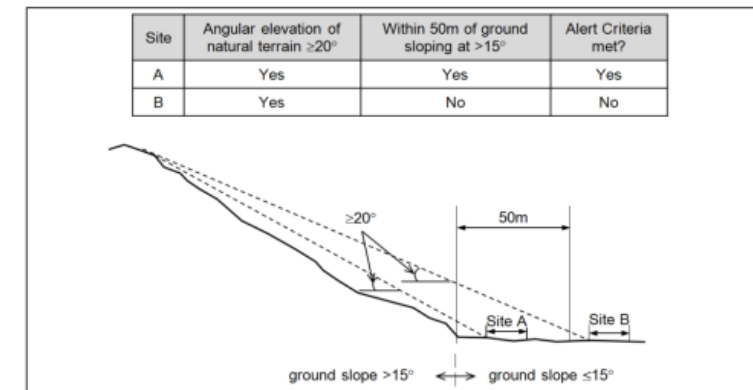
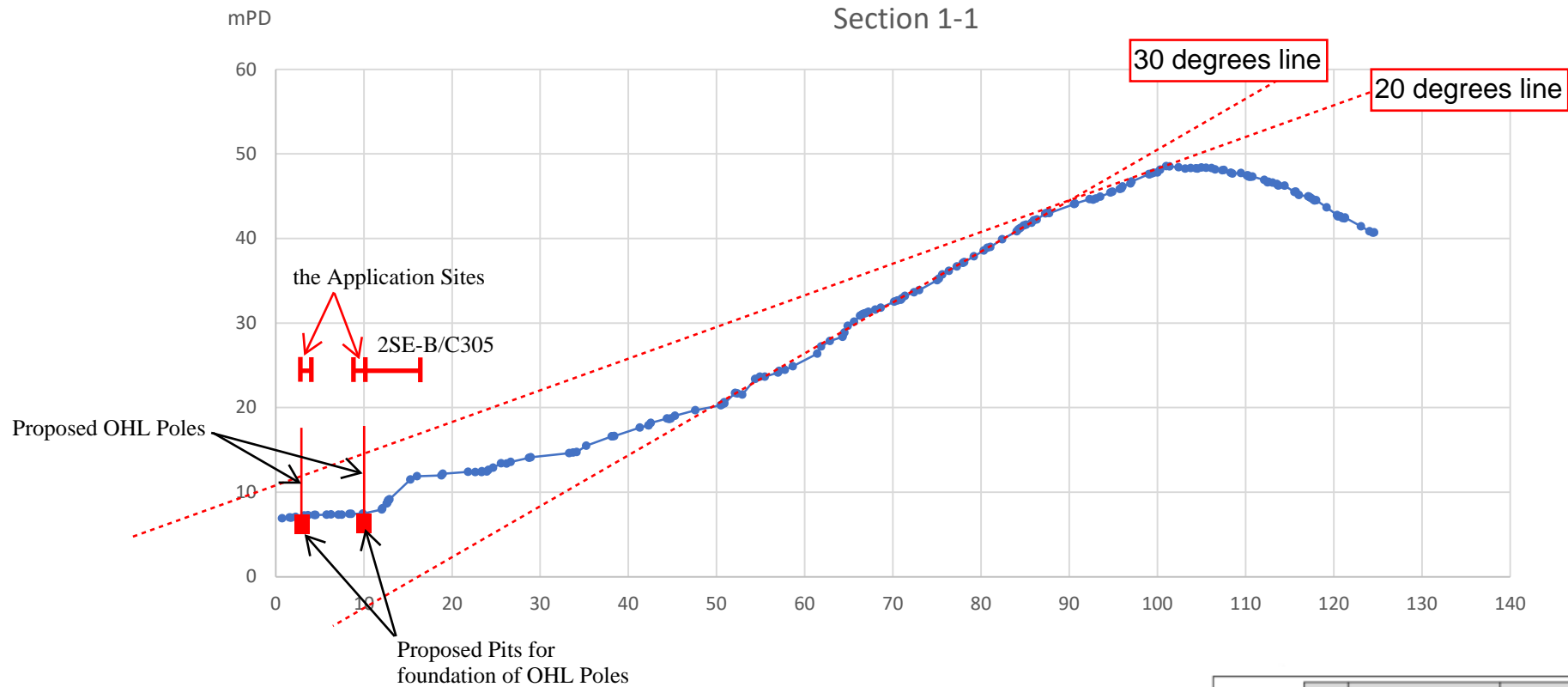


Figure 2.5 Application of Alert Criteria

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

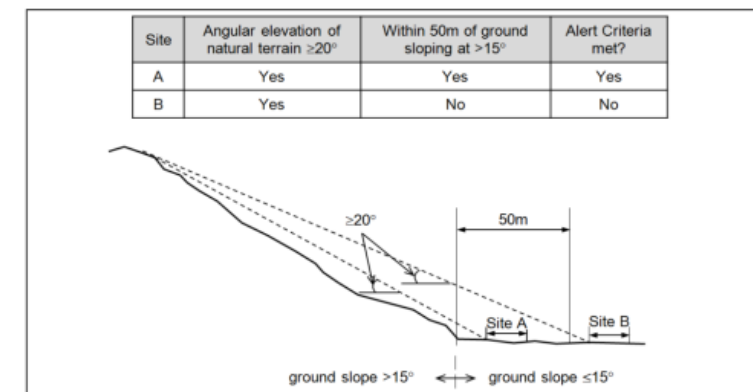
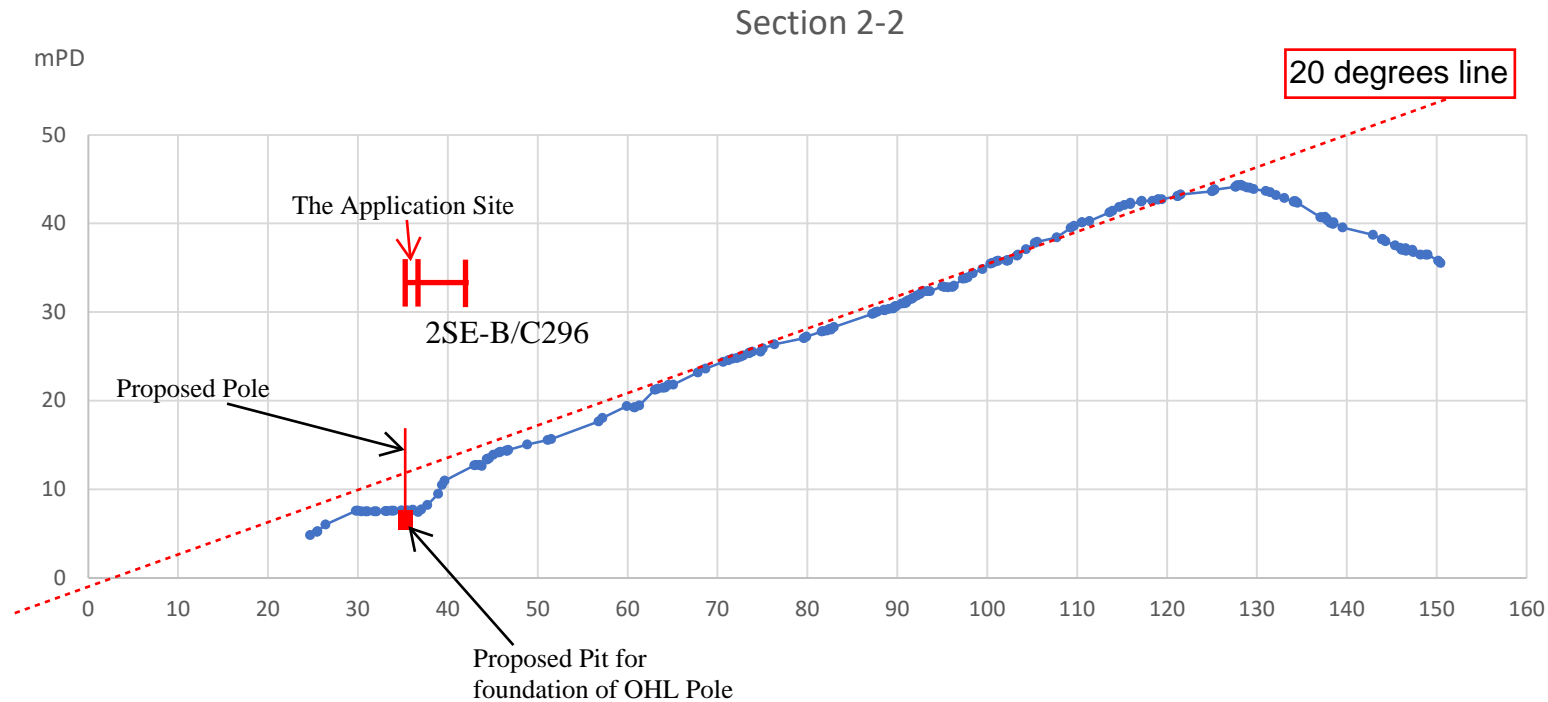
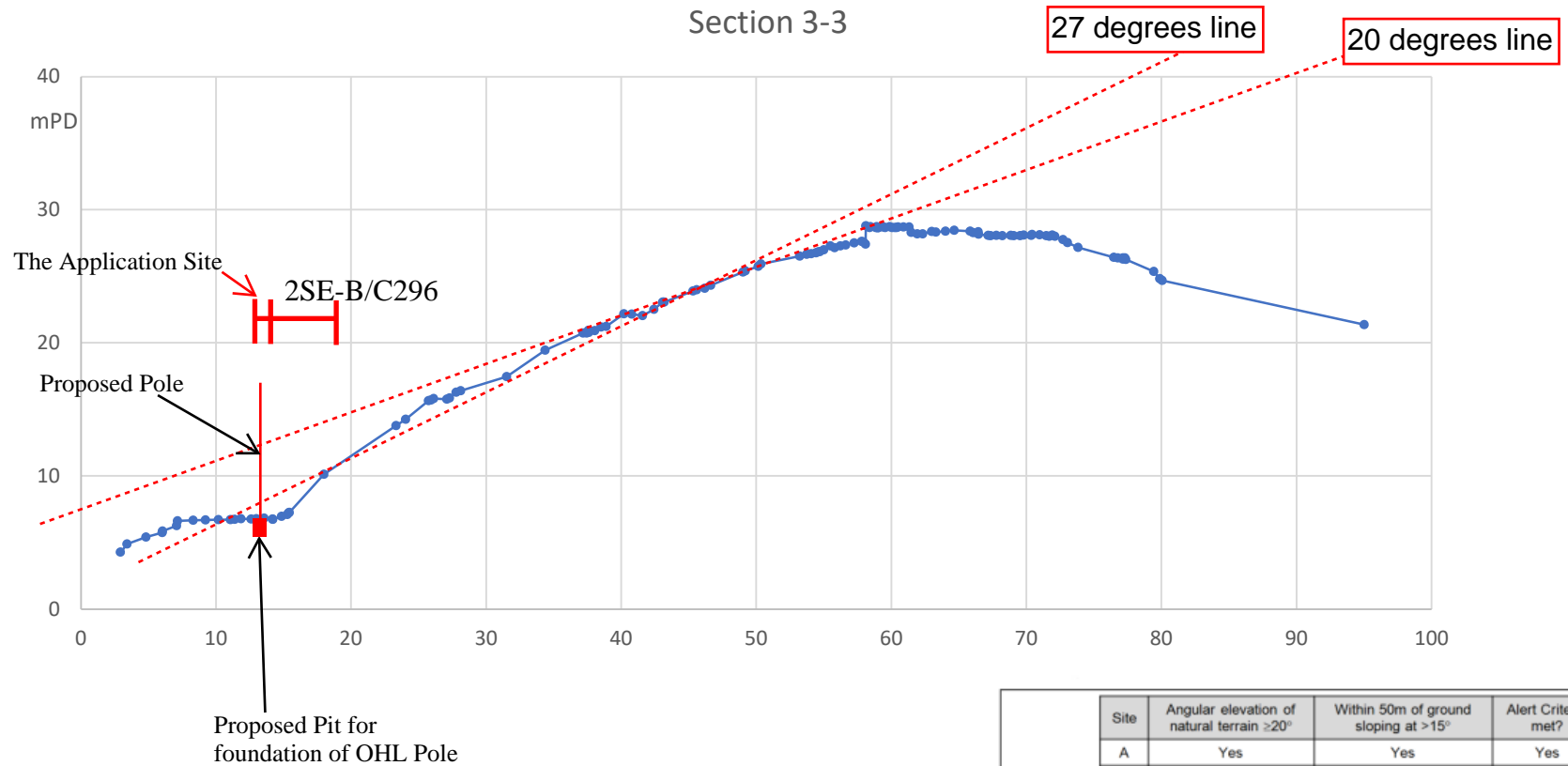


Figure 2.5 Application of Alert Criteria

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 $\geq 20^\circ$	Within 50m of ground sloping at $>15^\circ$	Alert Criteria met?
A	Yes	Yes	Yes
B	Yes	No	No

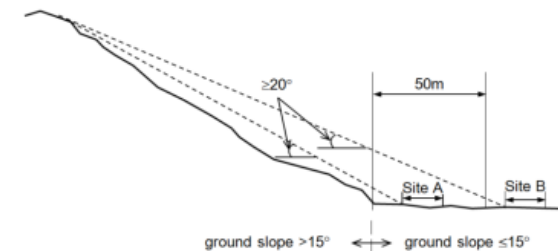
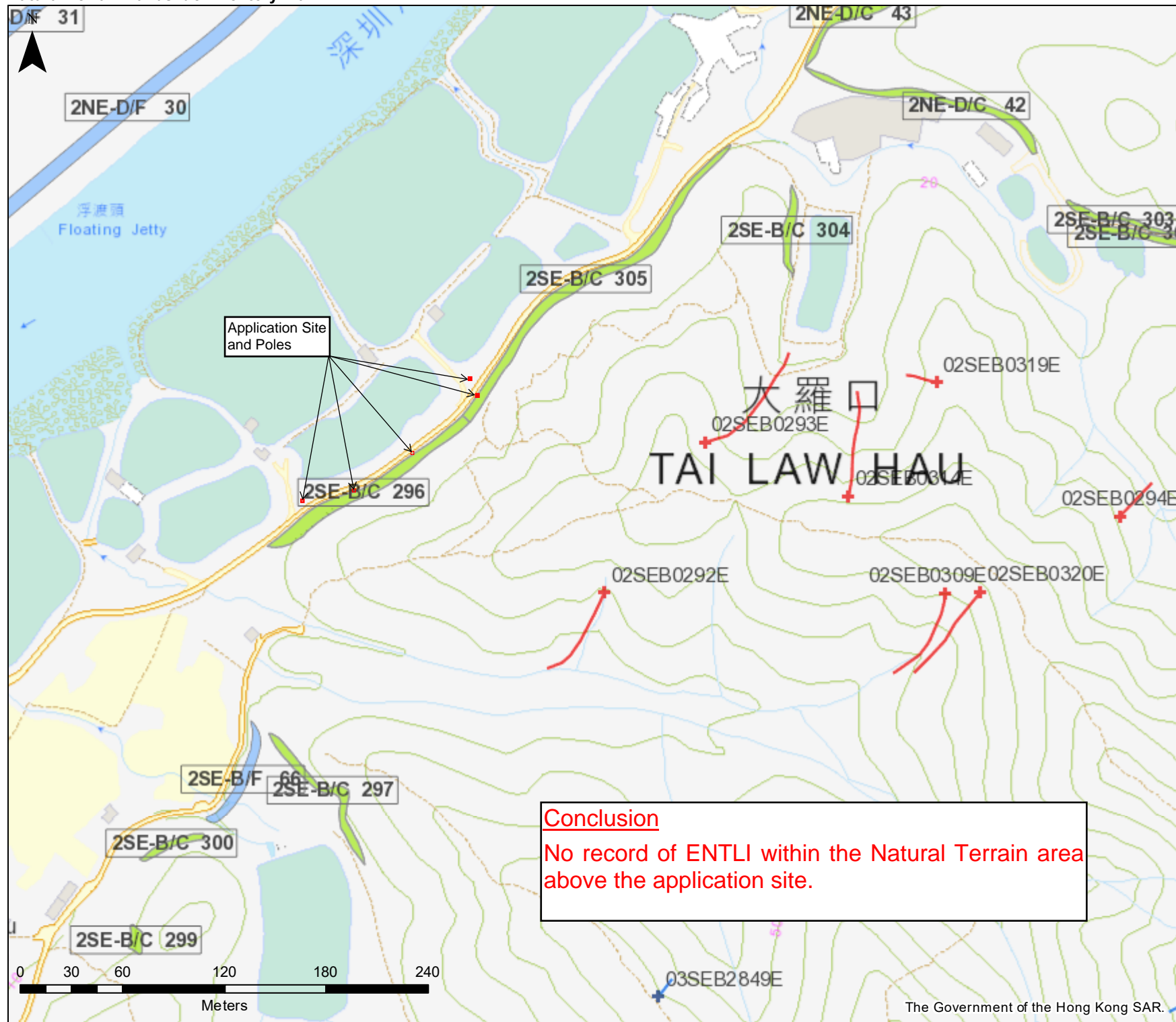


Figure 2.5 Application of Alert Criteria

Appendix A(Cont'd)

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

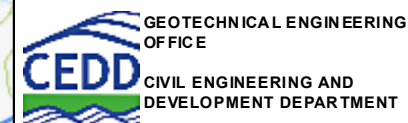
Legend:

- Application Site

Division

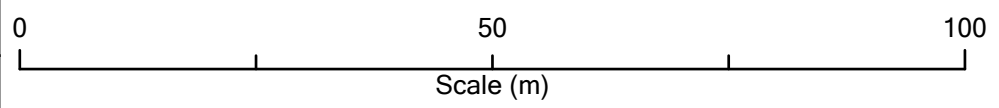
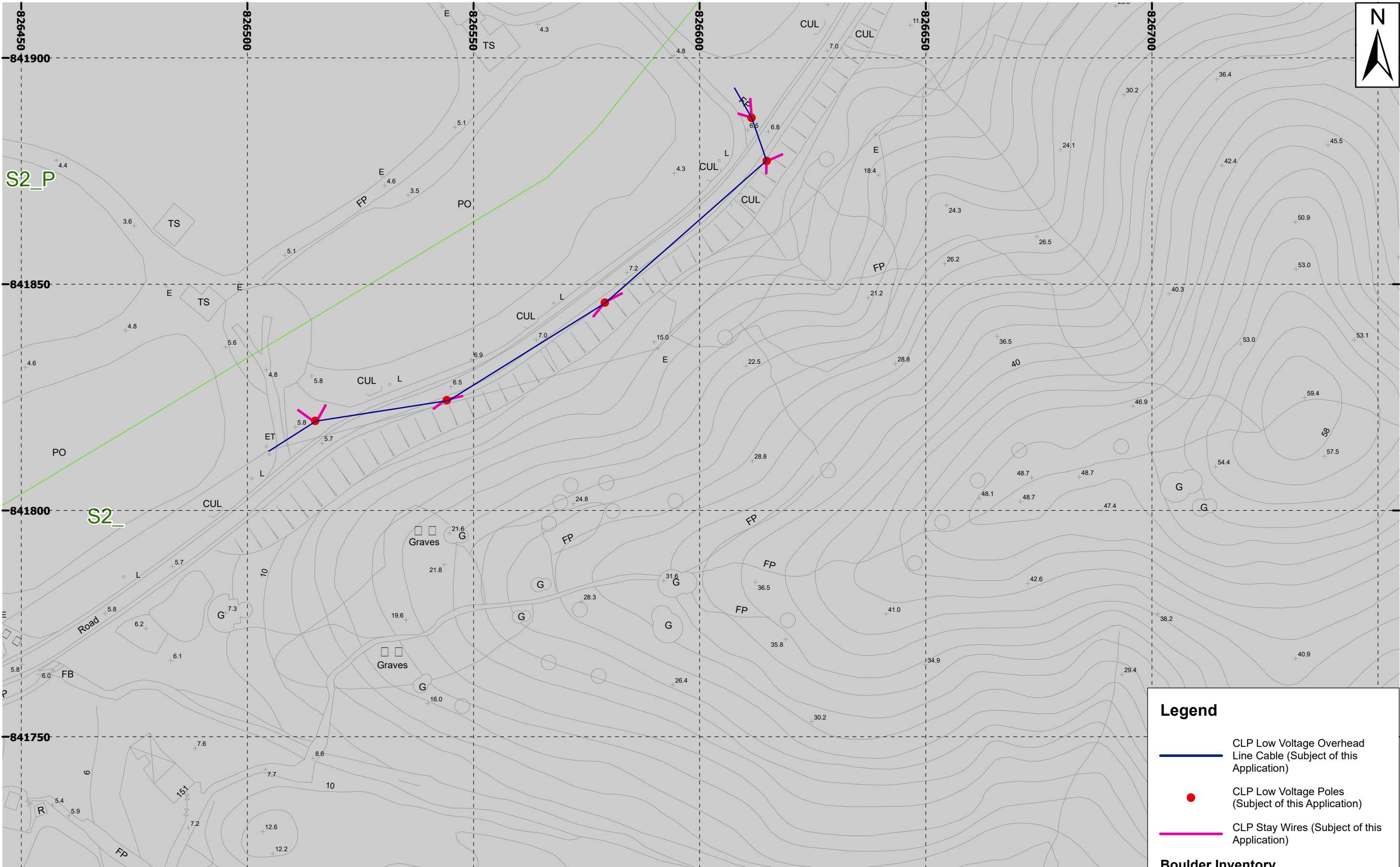
Scale 1:3,000

Date 22/07/2022



Conclusion

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




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

Legend

- CLP Low Voltage Overhead Line Cable (Subject of this Application)
- CLP Low Voltage Poles (Subject of this Application)
- CLP Stay Wires (Subject of this Application)

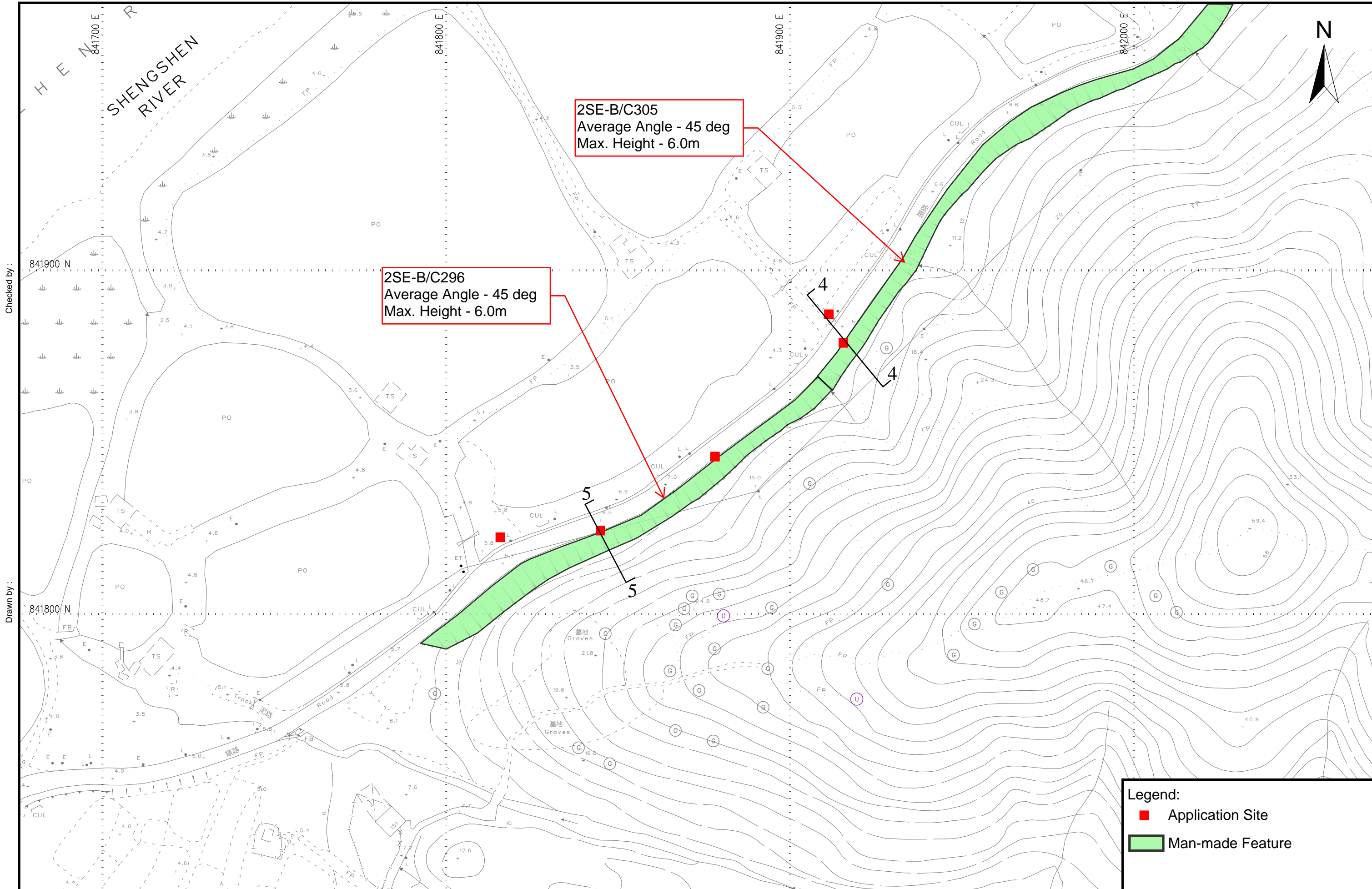
Boulder Inventory

	No data
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			Scale: 1:800	Date: JUL-2022

Appendix A(Cont'd)


Features and Sections

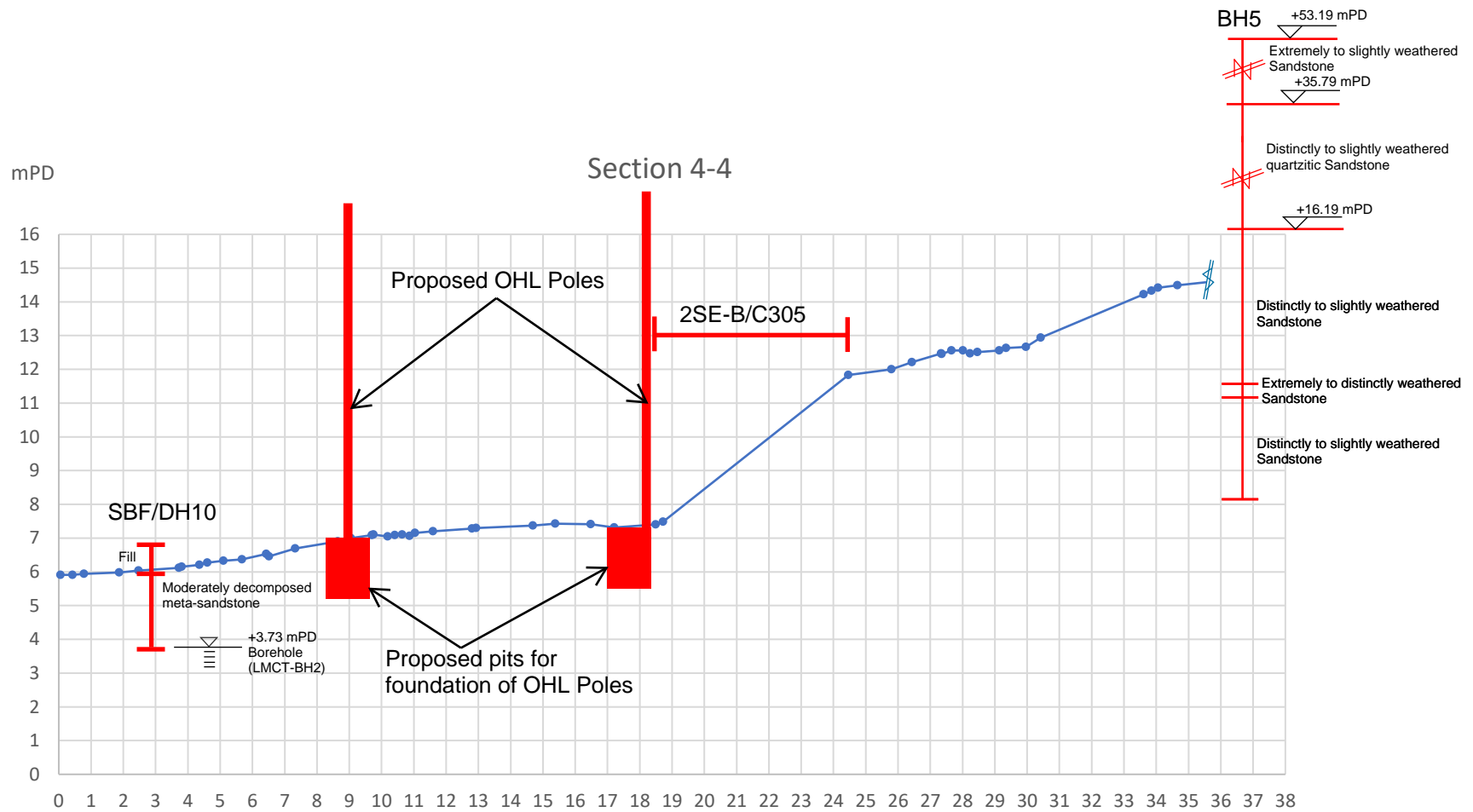


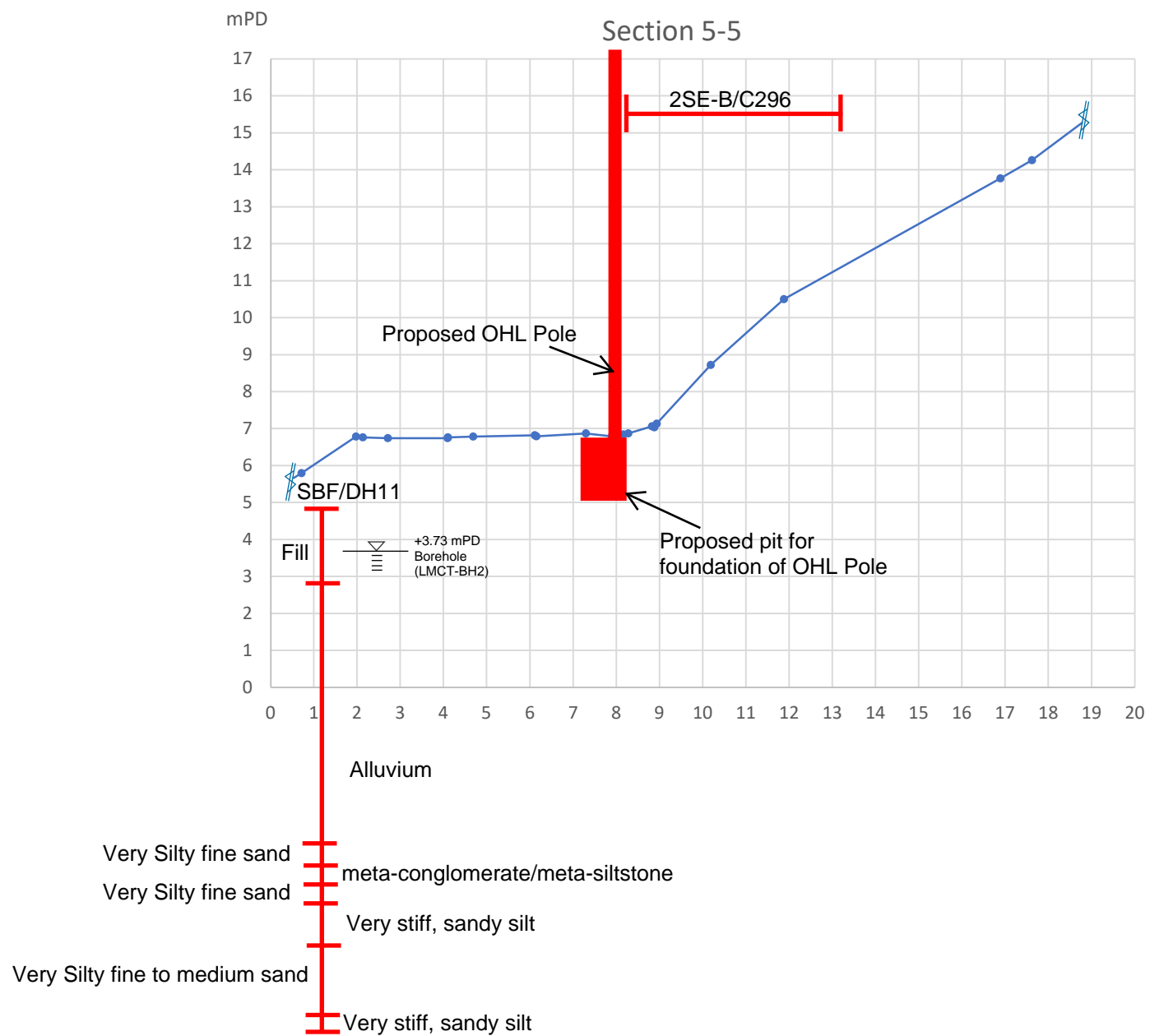
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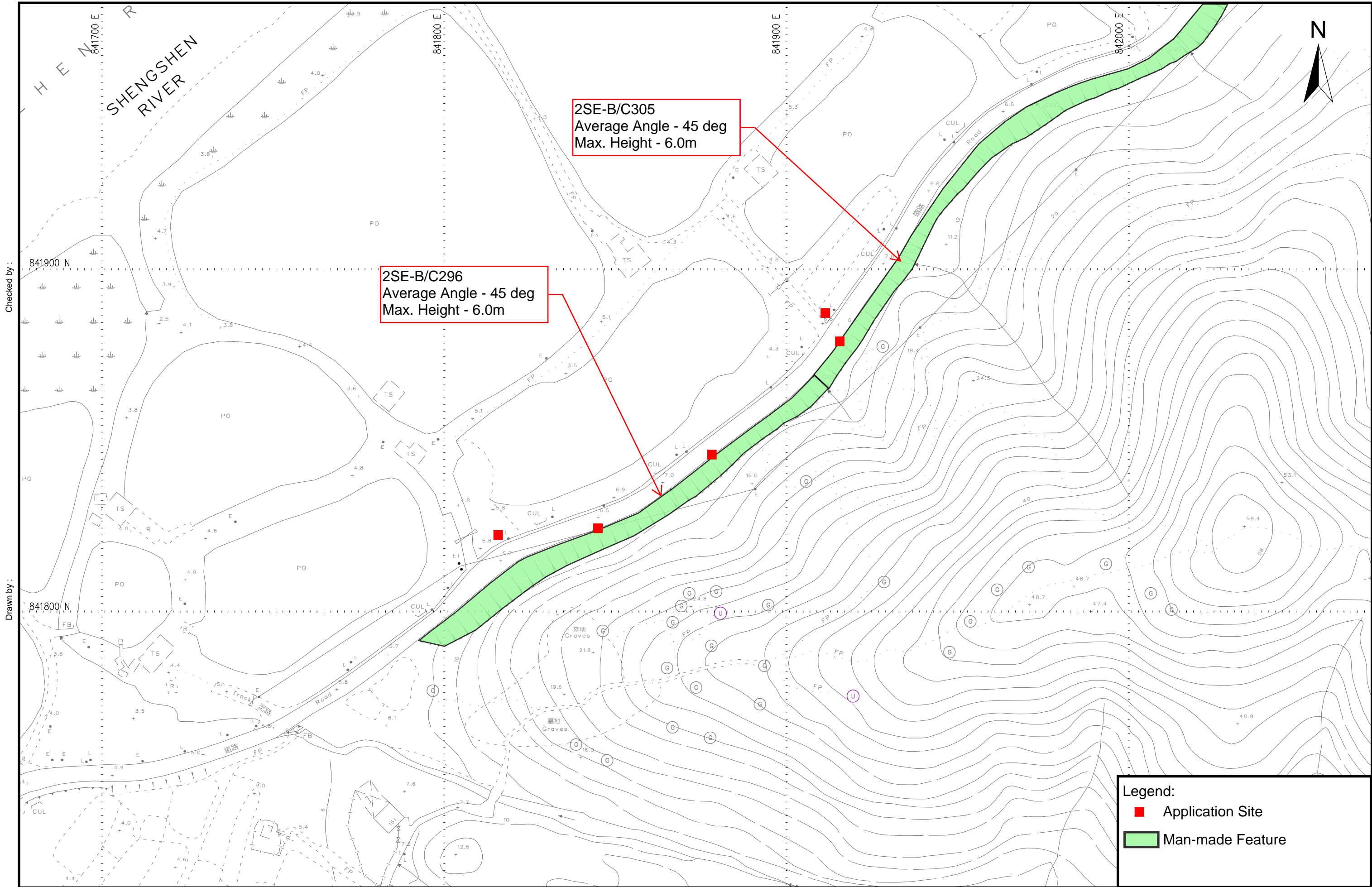
 FUGRO (HONG KONG) LIMITED 10/F, Fugro House - KCC2, 1 Kwai On Road, Kwai Chung, New Territories, Hong Kong. Tel : 2577 9023	Project GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATION OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG	Drawing Title Feature Layout Plan	Job No.	Figure
			B190011.051	-/-
			Scale 1:1000	Date JUL-2022





Appendix B


Slope Location Plan



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			B190011.051	-/-
			Scale 1:1000	Date JUL-2022

General Views of Registered Man-made Slopes

2SE-B/C296
Average Angle - 45 deg
Max. Height - 6.0m



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

2SE-B/C305
Average Angle - 45 deg
Max. Height - 6.0m



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:

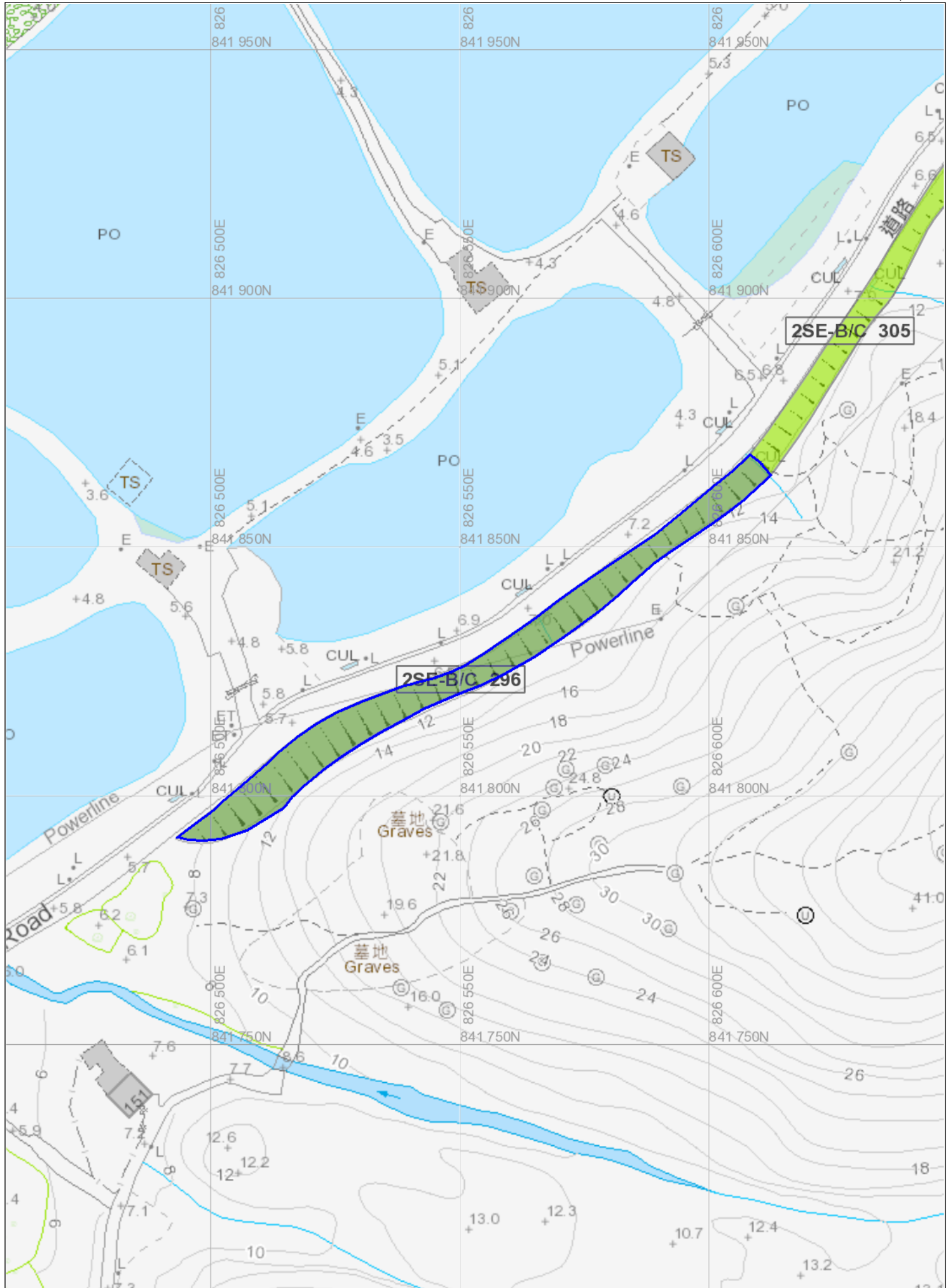
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







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:

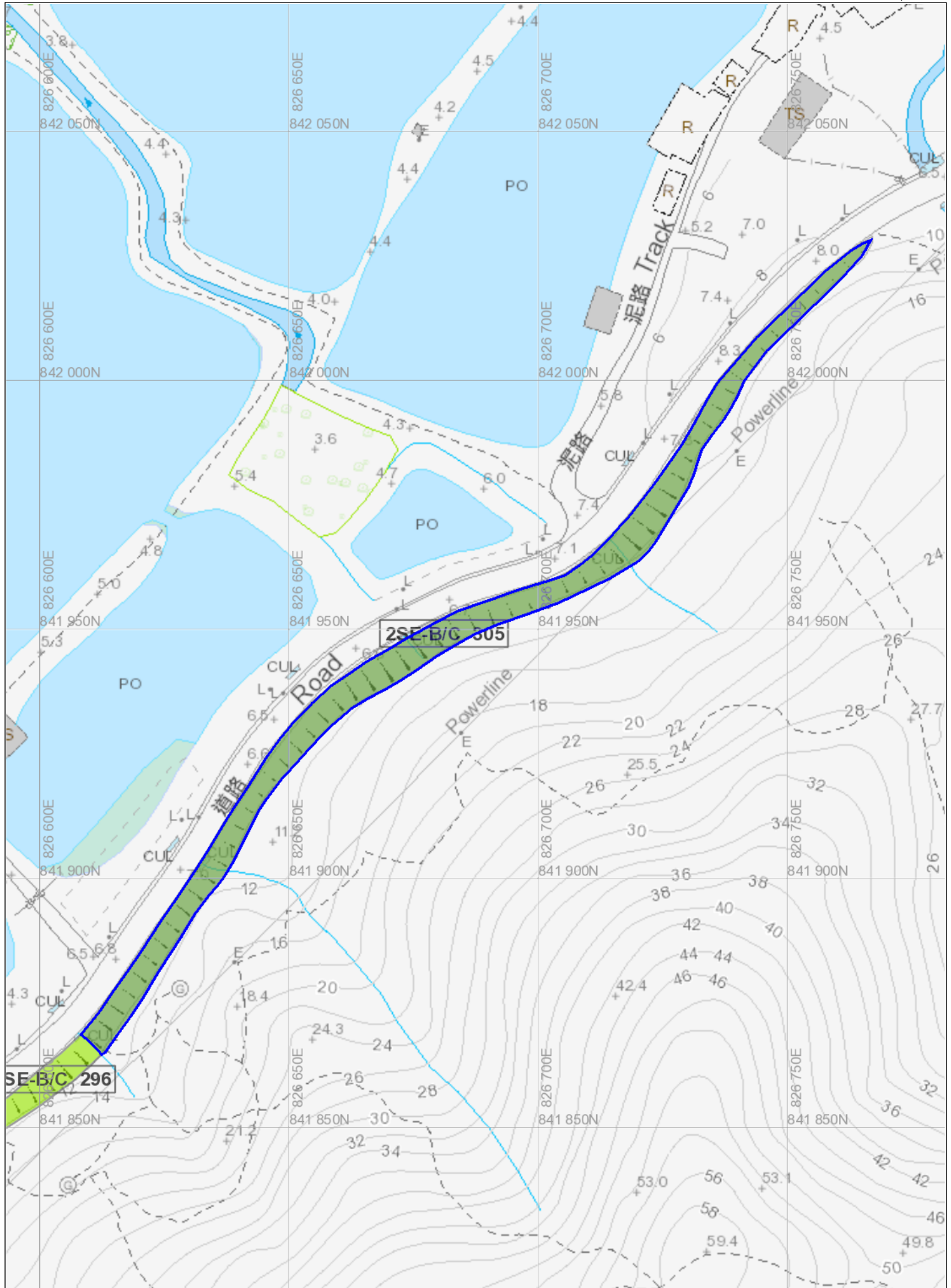
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





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 -

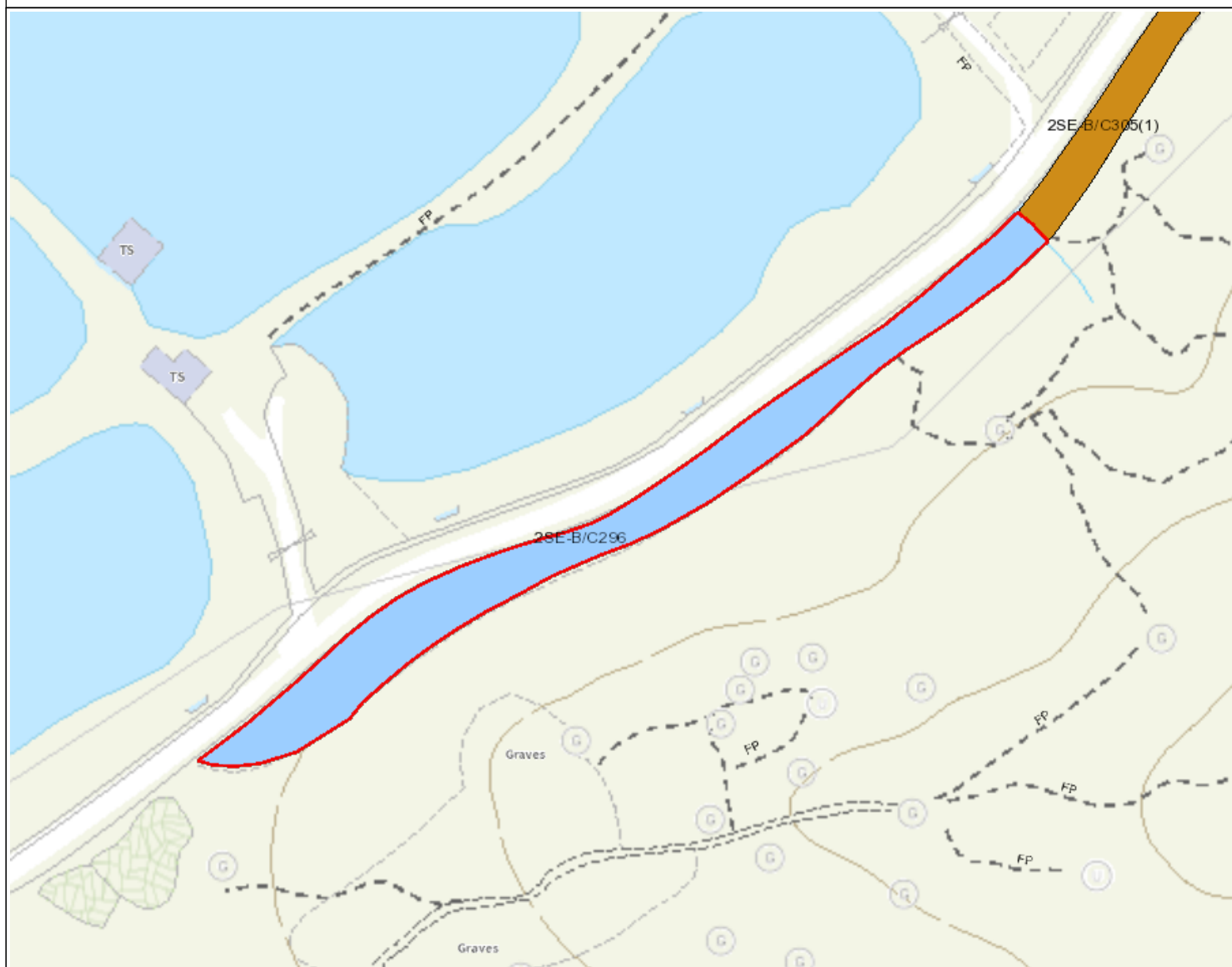
Notes:

- (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.

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Search Criteria: 2SE-B/C296

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

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Search Criteria: 2SE-B/C296

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 -

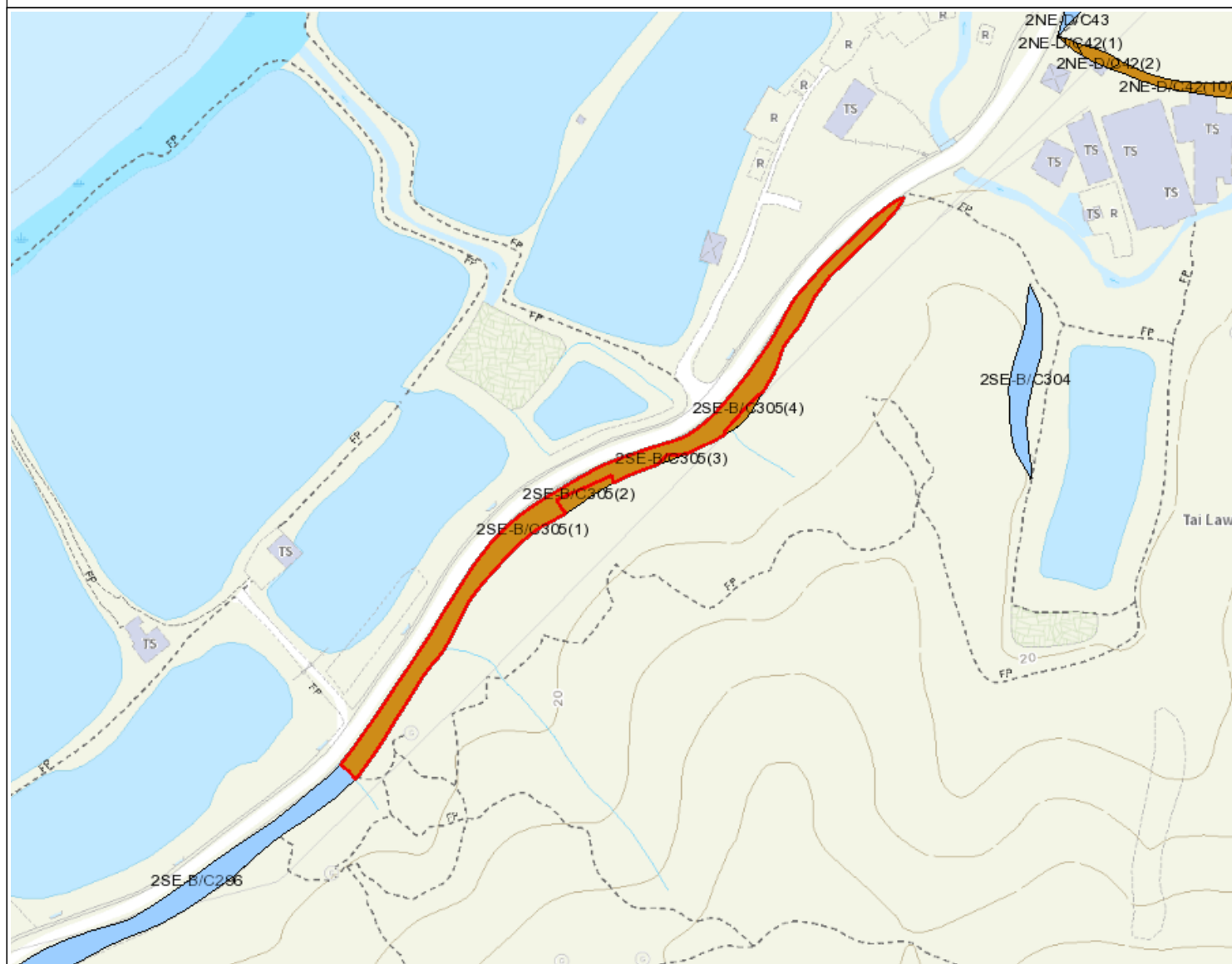
Notes:

- (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.

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Search Criteria: 2SE-B/C305

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

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Search Criteria: 2SE-B/C305

Appendix C

Location Plan of Existing Borehole

Appendix C(Cont'd)

Measured Groundwater Record

1201617e

[illegible]



1201617e

[illegible]

Appendix C(Cont'd)

Existing Ground Investigation Records

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 %	TCR %	SCR %	RQD %	FI	Depth of FI / Test	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
15/09/2017	SW									No. Type Depth	+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)
1										A B C					
2	SW 2.00 PW		80	46						SW	+2.60	1.35			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)
3			80	90						1	+1.95	2.00			Firm, dark grey (N 4), mottled black, clayey slightly sandy SILT with occasional decayed wood pieces. (POND DEPOSIT)
4										2					
5										3	+0.85	3.10			Soft, brown, slightly clayey sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
6			80	0						4					
7										5	-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)
8										6					
9										7					
10										8					
11										9					
12										10					
13										11					
14										12					
15										13					
16										14					
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160															

- | | | | |
|----|-------------------------|---|---------------------------------------|
| ● | Disturbed sample | ▼ | Standard penetration test |
| ▤ | Piston sample | ⋮ | In-situ vane shear test |
| ▨ | Split spoon sample | ⋮ | Permeability test |
| ■ | U76 undisturbed sample | ⋮ | Pressuremeter test |
| ■ | U100 undisturbed sample | ⋮ | Packer Test |
| ▨ | Mazier sample | ⋮ | Acoustic or optical
televue survey |
| ▤ | SPT liner sample | ⋮ | Piezometer tip |
| ▲ | Water sample | ⋮ | Standpipe |
| En | Environmental Sample | ⋮ | 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 5.60m.
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.



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

LMCT-BH1

Hole No.:

1

Box No.: of

1

Depth :

0.00

m to

10.00

m

Date of Photograph :

31-10-2017



0.00m

1.00m

(A)

00.0

(2)

2.00

(14)

10.00
END



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		Reduced Level	Depth (m)	Legend	Grade	Description
										No.	Type Depth					
21/09/2017	SW									A	INSPECTION PIT	+3.98	0.00			Brown (7.5YR 5/4), mottled reddish brown, silty sandy subangular fine to coarse GRAVEL sized rock fragments. (FILL)
1										B		+2.98	1.00			Light grey (N 7), locally light brown, slightly silty angular medium to coarse GRAVEL sized rock fragments. (FILL)
2			80	36						T2 O I		+2.48	1.50			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)
3		0.10m at 18:00								1						
21/09/2017		0.40m at 08:00								2		+1.38	2.60			Soft, dark grey (N 4), spotted dark brown, clayey slightly sandy SILT. (POND DEPOSIT)
22/09/2017										3						
4										4						
										5						From 3.60m to 4.60m : No recovery.
22/09/2017		0.25m at 18:00								6						
23/09/2017		1.03m at 08:00								7		-0.62	4.60			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										8						
6										9						
7										10						
										11						
8										12		-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)
9										13		-3.72	7.70		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	0.22m at 18:00								14						
25/09/2017	PW	0.53m at 08:00								15						
										16						
										17						
25/09/2017		0.27m at 18:00								18						
26/09/2017		0.80m at														

- | | |
|---------------------------|---|
| ● Disturbed sample | ↓ Standard penetration test |
| ▨ Piston sample | ↕ In-situ vane shear test |
| ▧ Split spoon sample | ⊥ Permeability test |
| ■ U76 undisturbed sample | ⊞ Pressuremeter test |
| ■ U100 undisturbed sample | ⊞ Packer Test |
| ▨ Mazier sample | ⊞ Acoustic or optical
televue survey |
| ▨ SPT liner sample | ⊞ Piezometer tip |
| ▲ Water sample | ⊞ Standpipe |
| En Environmental Sample | ⊞ 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				HOLE NO. LMCT-BH 2										
		CONTRACT NO. : GE/2015/29				SHEET 2 OF 5										
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> PROJECT </div> <div style="width: 80%;"> 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 </div> </div>																
METHOD Rotary		CO-ORDINATES E 826149.30 N 841498.38			TASK ORDER NO. GE/2015/29.2											
MACHINE & NO. VBM52					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	Reduced Level	Depth (m)	Legend	Grade	Description	
26/09/2017 27/09/2017	PW	08:00 0.28m at 18:00 0.81m at 08:00						10.15	N=31	19	10.10 10.15	-6.02	10.00		V	See sheet 1 of 5
11				60						20	10.60	-6.62	10.60		V	Extremely weak, brown (7.5YR 5/4), occasional spotted white, completely decomposed METASILTSTONE. (Slightly sandy SILT)
12								11.70	3,3,5,6,7,9 N=27	21	11.60 11.70					
								12.15		22	11.80					
										23	12.10 12.15					
13				60						24	12.60	-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)
14		0.25m at 18:00						13.70	6,8,12,17,25,30 N=84	25	13.60 13.70					
27/09/2017 28/09/2017		0.95m at 08:00						14.15		26	13.80					
15				60						27	14.10 14.15					
										28	14.60					
16								15.70	3,8,12,19,22,33 N=86	29	15.60 15.70					
								16.15		30	15.80					
										31	16.10 16.15					
17				60						32	16.60	-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)
								17.70	10,12,14,28,32,24 N=98	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)
18								18.15		34	17.80					
		0.55m at 18:00								35	18.10 18.15					
28/09/2017 29/09/2017	PW 18.60 HW	1.12m at 08:00								36	18.60	-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)
19				60						37	19.60 19.70					
20								19.70	16,13,13,16,30,36	38	19.80					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> ● Disturbed sample ▢ Piston sample ▨ Split spoon sample ▩ U76 undisturbed sample ▩ U100 undisturbed sample ▨ Mazier sample ▢ SPT liner sample ▲ Water sample En Environmental Sample </div> <div style="width: 45%;"> <ul style="list-style-type: none"> ↓ Standard penetration test ↕ 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 </div> </div>										LOGGED S. C. Law DATE 11/10/2017 CHECKED Y. M. Leung DATE 20/10/2017		REMARKS				



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 %	SCR %	R Q D %	FI	Depth of FI / Test	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
	HW									No. Type Depth					
								20.15	N=95	39 20.10 20.15	-16.02	20.00		IV	See sheet 2 of 5
21				60	95					40 20.60					
22								21.70	8, 12, 14, 18, 30, 32 N=94	41 21.60 42 21.70					
23				60	95			22.15		43 22.10 22.15					
24								23.70	50/70mm 100/60mm (100/60mm)	44 22.60	-18.62	22.60		IV	Very weak to weak, light grey (N 7), streaked brown, highly decomposed METASILTSTONE. (Slightly silty subangular fine to coarse GRAVEL)
25		0.42m at 18:00 0.92m at 08:00		60	100			24.40		45 23.60 46 23.70 47 23.78 23.83					
26				60	100	82	33	24.96		48 24.60 49 24.86 24.96	-20.98	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°.
27				60	100	49	0	26.07		T2101					At 26.97m : Fractured, quartz vein up to 40mm thick, dipping 20° to 30°.
28		0.31m at 18:00 1.00m at 08:00		85	63	47	15	28.50		T2101					
29				85	100	96	24	29.05		T2101	-24.52	28.50		V	From 28.50m to 29.05m : No recovery, inferred to be completely decomposed METASILTSTONE.
30								13.4							

- 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
 - 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

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	Reduced Level	Depth (m)	Legend	Grade	Description
										No. Type Depth	-26.02	30.00			
31	HW			85	100	89	43	30.69		T2 IOI 30.22				III	See sheet 3 of 5
								31.13		T2 IOI					
								12.0							
32				85	52	5	0	32.13		T2 IOI	-28.15	32.13		V	From 32.13m to 32.59m : No recovery, inferred to be completely decomposed METASILTSTONE.
		0.90m at 18:00						32.59			-28.61	32.59			
		1.10m at 08:00						32.79			-28.80	32.78		IV	
33				85	90	31	16	33.00		T2 IOI				III	Moderately weak to moderately strong, reddish brown, spotted white, moderately decomposed METASANDSTONE.
								33.20			-29.22	33.20		IV	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°.
34				65	0			34.10		50				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)
								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)
35		0.90m at 18:00		85	91	0	0	35.10		T2 IOI					Moderately weak, brown (7.5YR 5/4), dappled brown, highly decomposed METASANDSTONE. (Slightly silty sandy subangular fine to coarse GRAVEL with some subangular cobbles)
		1.05m at 08:00						35.10		51	-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)
36				80	95										
								36.20		52					
								36.35		53					
								36.60		54					
37															
								37.10		55					
38								38.00							
								38.20		56					
								38.41		57					
								38.41		58					
39		0.65m at 18:00						38.90			-34.92	38.90		IV	Moderately weak to moderately strong, brown, streaked black, moderately decomposed METASILTSTONE.
		0.90m at 08:00						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°.
40				80	98	21	15	39.36		T2 IOI	-35.38	39.36		IV	
								39.99			-36.01	39.99			

- Disturbed sample
 - ▢ Piston sample
 - ▨ Split spoon sample
 - ▤ U76 undisturbed sample
 - ▥ U100 undisturbed sample
 - ▧ Mazier sample
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 - ▲ Water sample
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- Standard penetration test
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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				HOLE NO. LMCT-BH 2										
		CONTRACT NO. : GE/2015/29				SHEET 5 OF 5										
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> 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 </div> <div style="width: 70%;"></div> </div>																
METHOD Rotary		CO-ORDINATES E 826149.30 N 841498.38				TASK ORDER NO. GE/2015/29.2										
MACHINE & NO. VBM52						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 <small>No. Type Depth</small>	Reduced Level <small>-36.02 40.00</small>	Depth (m) <small>-36.18 40.16</small>	Legend	Grade	Description	
41	HW	0.65m at 18:00 0.95m at 08:00	80	69	40	32	NR	17.6	T2 IOI	41.19	-36.18	40.16	III	V	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)	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
42	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	45.34	-38.26	42.24	III	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)	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
43	HW	0.65m at 18:00 0.95m at 08:00	80	78	15	0	NR	17.1	T2 IOI	47.50	-38.26	42.24	III	V	From 40.16m to 40.65m : No recovery, inferred to be completely decomposed METASILTSTONE.	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
44	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	48.42	-38.26	42.24	III	V	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)	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
45	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	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)	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
46	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	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)	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
47	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	From 43.58m to 43.86m : No recovery, inferred to be completely decomposed METASILTSTONE.	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
48	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	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)	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
49	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	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°.	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
50	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	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°.	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
51	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	From 47.54m to 48.29m : With some quartz veins up to 10mm thick, dipping 30° to 40°.	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II
52	HW	0.65m at 18:00 0.95m at 08:00	80	99	46	30	NR	9.0	T2 IOI	49.05	-38.26	42.24	III	V	End of Investigation Hole at 49.05m.	
								40.65			-36.67	40.65				III
								41.08			-37.10	41.08				IV
								41.57			-37.59	41.57				III
								9.0			-38.26	42.24				IV
								42.24			-38.79	42.77				III
								42.77			-39.20	43.18				IV
								43.18			-39.60	43.58				V
								43.58			-39.88	43.86				IV
								43.86			-39.93	43.91				II

- 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
- ↗ 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



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.: 1 of 10

Depth : 0.00 m to 11.70 m

Date of Photograph : 31-10-2017



0.00m

1.00m





GEOTECHNICAL ENGINEERING OFFICE
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- Investigation

LMCT-BH2

Hole No.:

2

Box No.:

2

of

10

Depth :

11.70

m

to

24.96

m

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



0.00m

1.00m

CONT'D

(23)

11.70

(49)

24.96

CONT'D



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惠保(香港)有限公司
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新創建築集團成員 Member of NWS Holdings

Contract No.: GE/2015/29

Contract Title : Ground Investigation - New Territories West

Task Order No.: GE/2015/29.2

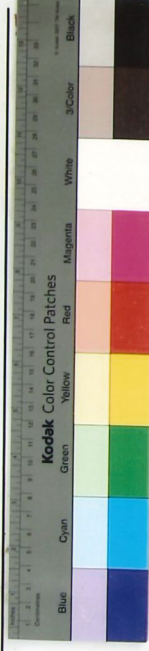
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 3 of 10

Depth : 24.96 m to 27.55 m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

24.96

26.28

27.55

CONT'D



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惠保(香港)有限公司
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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

LMCT-BH2

Hole No.:

4

Box No.:

4

of

10

Depth :

27.55

m

30.22

m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

27.55

NR
28.50-29.05

29.05

30.22

CONT'D



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

LMCT-BH2

Hole No.:

5

of

10

Box No.:

30.22

m to

(32.99)

m

Date of Photograph: 31-10-2017



0.00m

1.00m

CONT'D

30.22

31.63

32.59

NR
32.13- 32.59

(32.99)

CONT'D



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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

LMCT-BH2

Hole No.: _____

Box No.: 6 of 10

Depth : (32.99) m to 39.90 m

Date of Photograph : 31-10-2017



0.00m

1.00m





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

LMCT-BH2

Hole No.:

Box No.: 7

of

10

Depth :

39.90

m

42.58

m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

39.90

NR
40.16-40.65

41.19

42.58

CONT'D



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

LMCT-BH2

Hole No.:

8

of

10

Box No.:

42.58

m

to

45.34

m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

42.58

(59)

43.91

43.86

NR
43.58-43.86

45.34

CONT'D



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT



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at North District - Package B
- Investigation

LMCT-BH2

Hole No.:

9

of

10

Box No.:

45.34

m to

(48.12)

m

Depth :

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

45.34



CONT'D



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT



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Drainage Improvement Works
at North District - Package B
- Investigation

LMCT-BH2

Hole No.:

10

of

10

Box No.:

(48.12)

m

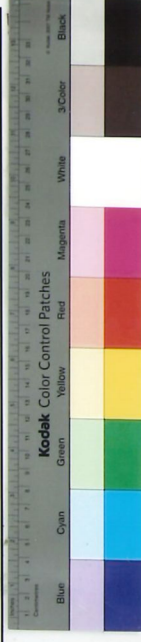
to

49.05

m

Depth :

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

(48/12)

48.42

49.05
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 826647.23WORKS 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
0									6.74	0.00			
20/04/2005	HX							INSPECTION PIT		0.50			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)
1			99	99	91	8.7		A		0.80			
	HX 1.26		100	98	0	14.9		B		1.26		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°
2			100	92	56			T2101		1.60			From 1.71m to 1.98m : Subvertical joint.
						20							
						12.1		T2101					
3		1.23m at 18:00											
20/04/2005									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.: DH10

DEPTH: 0.00 M TO 3.03 M

DATE: 24-5-2005

BOX 1 OF 1

0.0m

0.5m



1.0m

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

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
0									4.86	0.00			
24/04/2005	PX							A		0.50			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		1.00			
								C	3.36	1.50			
2		Dry at 18:00	80					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)
24/04/2005		Dry at 08:00						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		85					4		3.55			
								5	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		0.60m at 18:00						6	-0.24	5.10			
25/04/2005		1.50m at 08:00	0					7					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)
26/04/2005								8	-1.34	6.20			
6								9					
							3.2, 2.2, 3.3 N=10	10	-2.24	7.10			Loose to medium dense, yellowish brown (10YR 5/8), sandy subangular fine to medium GRAVEL sized moderately strong rock and quartz fragments. (ALLUVIUM)
7			80					11					
			75							7.60			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)
8			82							8.40			
									-4.14	9.00			
9													
							3.9, 1.1, 1.1, 1.4, 1.8 N=54	9	-4.64	9.50		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
10			30					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 826386.01WORKS 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
10	HX									10.00		V	(Silty fine SAND with much subangular fine to medium coarse gravel sized moderately strong rock and qartz fragments)
11			90					12	-5.74	10.60		V	Extremely weak, yellowish red (5YR 5/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
12							4.7 9,18,26,40 N#3	14	-6.84	11.70		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
13	HX 12.60		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)
14		0.80m at 18:00					5.8 11,19,29,43 N#02	18	-8.84	13.70		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
26/04/2005								20	-9.29	14.15		V	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

0.00

7.10





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





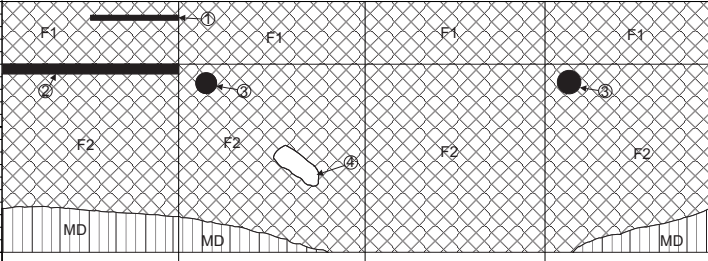

0.5m









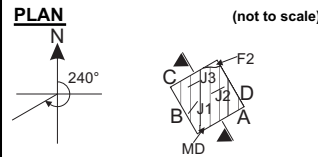
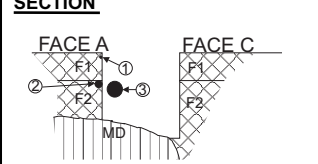

1.0m

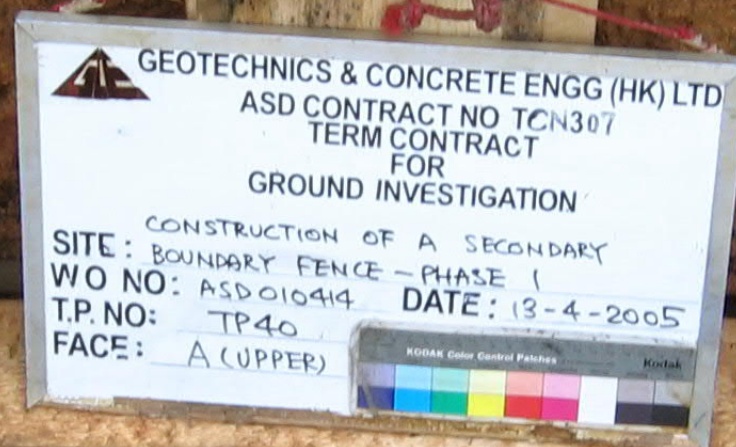
9.50



14.15
END

Samples & Test	Depth (m)	Sketch	Depth (m)	Legend	Description	Grade
 3  5  7  9	0.5 1.0 1.5 2.0		0.5 1.0 1.5 1.65 2.0		<p>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)</p> <p>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)</p> <p>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°.</p> <p>Trial pit was terminated at a depth of 2.00m.</p>	III
	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0	<p>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°.</p>	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0		<p>Notes :</p> <ol style="list-style-type: none"> Small disturbed samples were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m. Large disturbed sample was taken at a depth of 0.50m. Undisturbed horizontal samples (U100) were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m. In situ density tests were carried out at the depths of 0.50m, 1.00m, 1.50m and 2.00m. 	
		FACE A: 1.40 m FACE B: 1.40 m FACE C: 1.40 m FACE D: 1.40 m				

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	PROJECT Construction of A Secondary Boundary Fence - Stage 1	
			Works Order No. : ASD 010414		
			Co-ordinates : E 826873.76 N 842137.33	Sheet 1 of 1	TRIAL PIT NO. SBF/TP40
			Ground Level : 6.44 mPD	Date excavated 12/04/2005 to 12/04/2005	
			Logged by : Y.K. Lee	Date Reinstated 16/04/2005 to 16/04/2005	
			Date logged : 13/04/2005	 GEOTECHNICS & CONCRETE ENGG. (HONG KONG) LIMITED GROUND INVESTIGATION DEPARTMENT	
			Checked by : Tom Lo		
			Date Checked : 14/04/2005		





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: 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
WO NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: B (UPPER)



20
E
=19
E
18=
E
=17
E
16=
E
=15
E
14=
E
=13
E
12=
E
=11
E
10=
E
=09
E
08=



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)





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)





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

WO NO: ASD010414 DATE: 13-4-2005

T.P. NO: TP40

FACE: D (LOWER)





GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION

CONSTRUCTION OF A SECONDARY

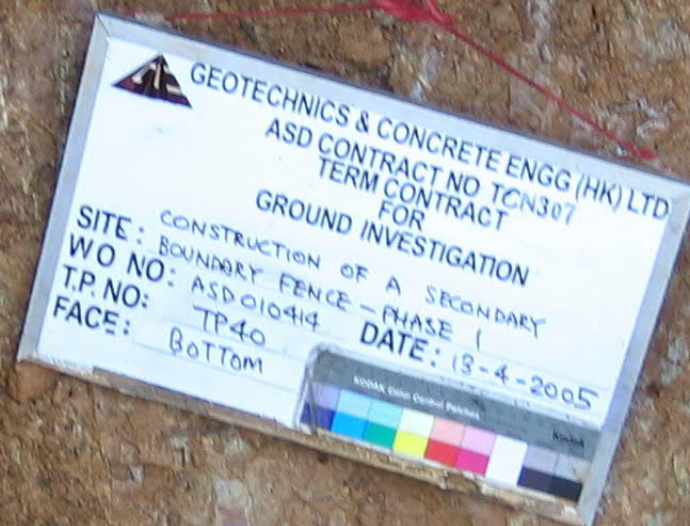
SITE: BOUNDARY FENCE - PHASE 1

WO NO: ASD010414 DATE: 13-4-2005

T.P. NO: TP40

FACE: D (UPPER)





CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 1 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49E 826828
N 841746HOLE 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.O.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
5/11	P		60								0.00	x x x x	XW		Medium dense, yellowish brown and brown, slightly silty fine SAND, relic texture (Extremely weathered SANDSTONE)
				75						51.19	2.00	x x x x			
											3.00	x x x x	XW to DW		Very dense to weak, brown and reddish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
				100						48.66	4.53	x x x x			
	4.53 P H			70	0	0	*				5.00	x x x x	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
				100	28	11	6			47.29	5.90	x x x x			
				98	54	33	4				6.45	x x x x	DW		Moderately strong, reddish brown and white, distinctly weathered SANDSTONE, joints are irregular, mainly closely spaced, dip sub-horizontally
				94	82	42	5			45.74	7.45	x x x x			
				100	0	0	*				8.00	x x x x	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	*			43.99	9.20	x x x x			
											9.45	x x x x	DW		See sheet 2 of 5
5/11	H		40								10.00				

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

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED *[Signature]*

DATE 18.11.86

REMARKS

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

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 2 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49

E 826828

N 841746

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				
				40	12	0	*				10.35				
											11.00				
											11.35				
				19	0	0	*				12.00				
				NR							12.85				
				NR							13.00	x x	XW		
											13.20	x x	DW		Layer of brown, silty SAND (Extremely to distinctly weathered SANDSTONE)
				40	9	0	*				14.00				
				NR							14.70				
				NR							15.00				
				62	9	0	*				15.15				
				NR							16.00				
				70	0	0	*				16.22				
5/11	H	16.72 at 19:00									16.72				
6/11	N	13.25m at 7:00									17.00				
				90	82	11	*				17.40				
											17.72				
				100	53	0	*				18.00				
											18.20				
6/11		10.80m at 19:00									18.62	x x	XW		Strong, light grey and white, medium grained, distinctly to slightly weathered quartzitic SANDSTONE, joints are planner and closely spaced some recrystallized quartz crystal
7/11		16.20m at 7:00									19.00				
				90	53	0	*				19.72				
											20.00				
7/11	N		40												Layer of red, reddish brown, silty fine SAND (Extremely weathered fine SANDSTONE)
															See sheet 3 of 5

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

LOGGED K.Y.Kwok

REMARKS

DATE 12.11.86

CHECKED *[Signature]*

DATE 18.11.86

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 3 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49E 826828
N 841746HOLE 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				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	*				20.70				
											21.00				
				100	95	44	*				21.65				
		12.30m at 19:00		100	100	27	*				22.00				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
7/11		21.65m at 7:00		65	0	0	*				22.65				
8/11				42	10	0	*				23.00				
	24.50 N			59	25	0	*				23.32				
				100	45	0	*				23.80				
				98	58	28	*				24.00				
				100	85	0	*				24.50				
				57	63	0	*				25.00				
											25.32				
											25.65				
											26.00				
											26.32				
											26.85				
											27.00				
											27.45				
											28.00				
											28.95				
8/11		18.10m at 19:00													
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

REMARKS

DATE 12.11.86

CHECKED *[Signature]*

DATE 18.11.86

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 4 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49E 826828
N 841746HOLE 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				
											33.50		SW		
				91	86	0	*				34.00				
											34.60				
				80	79	0	*				35.00				
											35.80				
											36.00				
				100	100	40	5				36.85				
10/11		18.20m at 19:00									36.85				
11/11		26.25m at 7:00		82	69	0	*				37.00				
				68	36	0	*				37.53		DW & DW to SW		
											38.00				
				52	0	0	*				38.23				
											39.00				
				100	40	18	*				39.70		SW		
11/11			40								40.00				

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

Moderately strong, yellowish brown, fine to medium grained, distinctly weathered and distinctly to slightly weathered SANDSTONE some thin layers of weathered soil minor schistosity rocks are under low-graded metamorphism

See sheet 5 of 5

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

LOGGED K.Y.Kwok

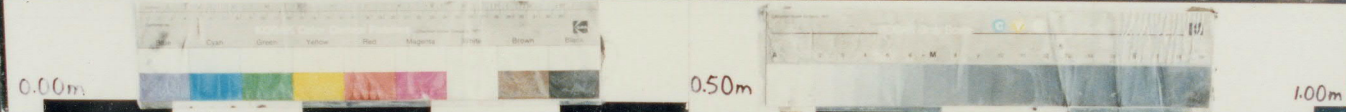
DATE 12.11.86

CHECKED *[Signature]*

DATE 18.11.86

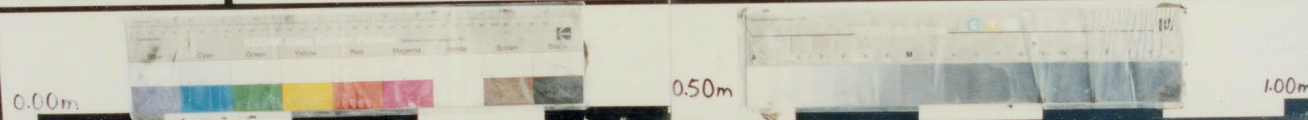
REMARKS

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		
			



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



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

17.72m 16.72m

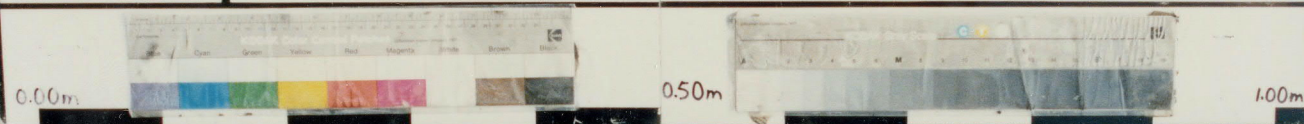
18.02m

20.70m 17.72m

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		

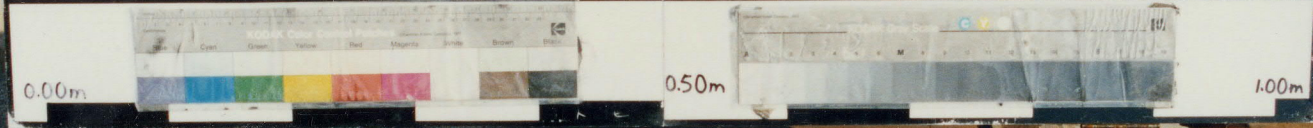


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CONTRACT NO.	GC/85/09		
CONTRACTOR	LAM GEOTECHNICS LTD		
JOB NAME	LOK MA CHAU	W.O.NO.	PW7/2/16.75
HOLE NO.	BH-5	BOX'S NO.	5 OF 7
DEPTH	METRE FROM 26.32m TO 34.60m.		



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		



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

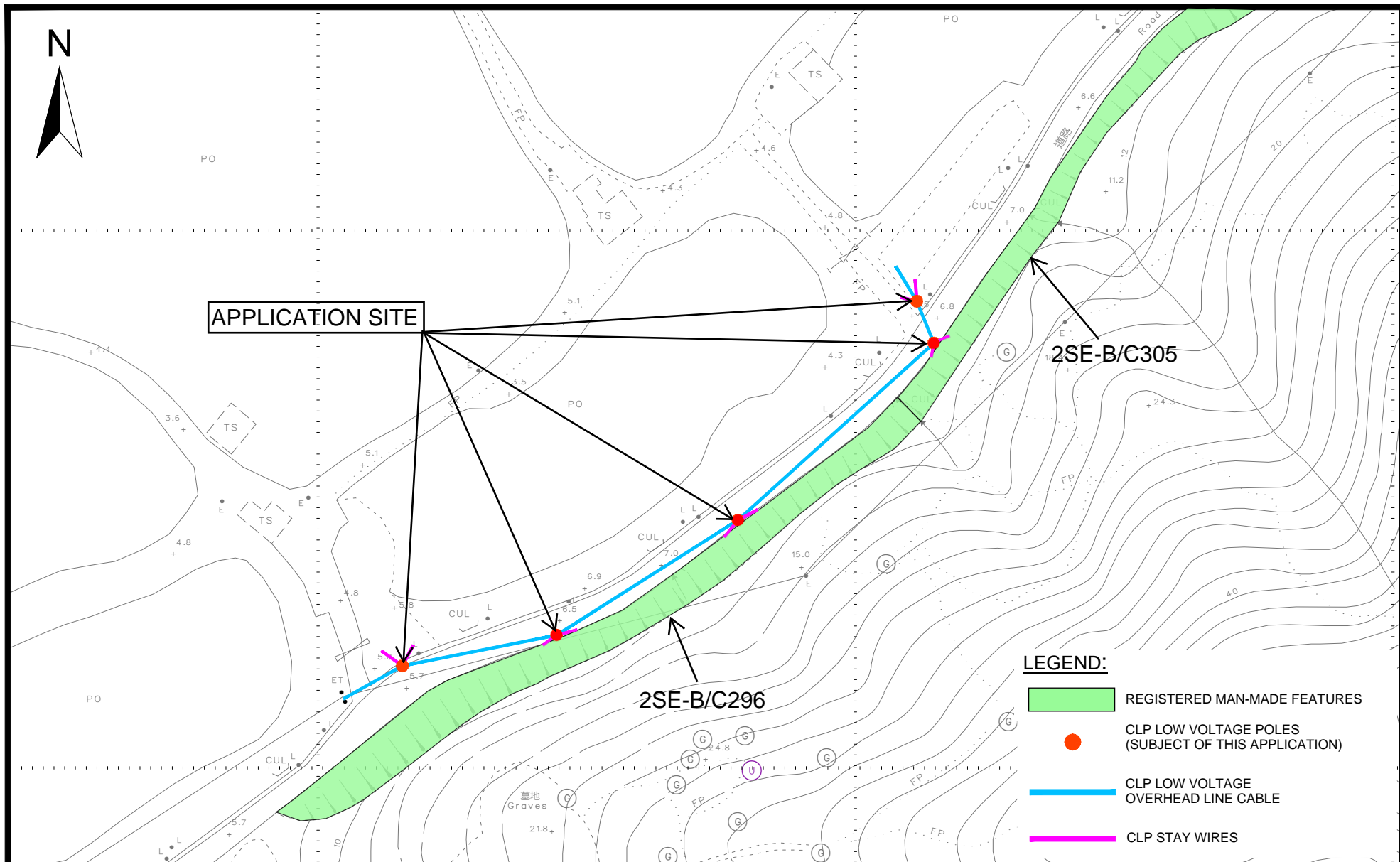
44.30m 43.30m 42.20m 40.95m

45.10m

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Drawn by :

Checked by :



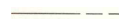

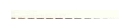











	<p>Project</p> <p>GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATION OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG</p>	<p>Drawing Title</p> <p>SITE PLAN</p>	<p>Job No.</p> <p>190011.051</p> <p>Scale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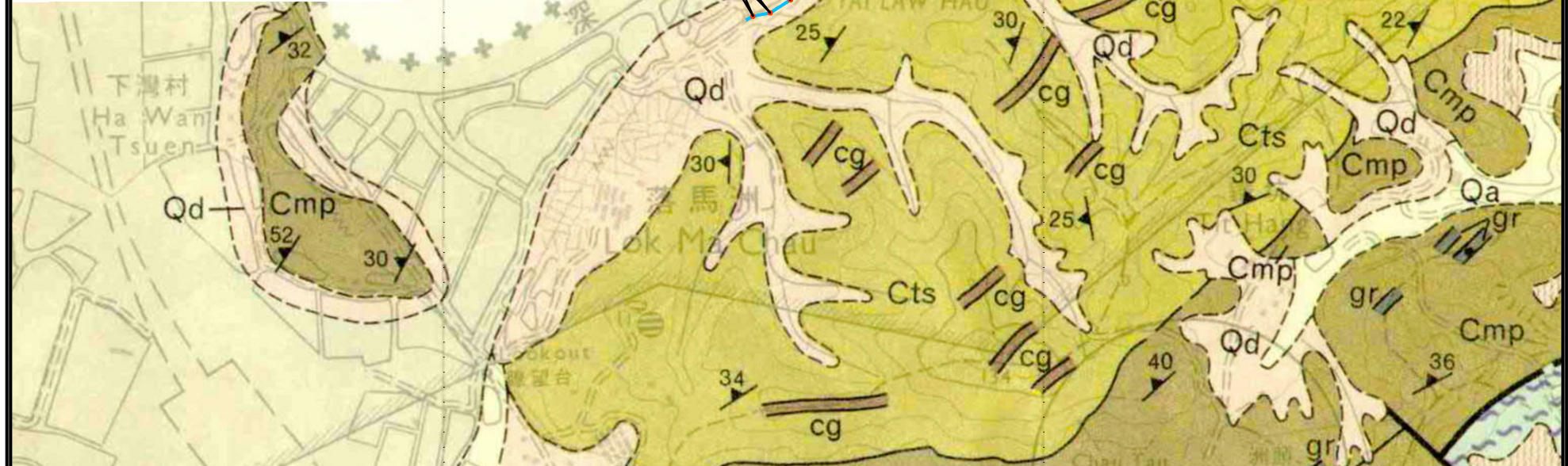
Compiled by :

Drawn by :

Checked by :

LEGEND :

	GEOLOGICAL BOUNDARY, SOLID ROCK		CLAY/ SILT, SAND AND GRAVEL; WELL-SORTED TO SEMI-SORTED (ALLUVIUM)
	GEOLOGICAL BOUNDARY, SUPERFICIAL DEPOSIT		UNSORTED SAND, GRAVEL, COBBLES AND BOULDERS; CLAY/ SILT MATRIX (DEBRIS FLOW DEPOSITS)
	FAULT (CROSSMARK INDICATES DOWNTROW SIDE)		METACONGLOMERATE
	FOLIATION (INCLINED)		PHYLLITE, METASILTSTONE WITH METASANDSTONE AND GRAPHITE SCHIST
	SCHIST		METASANDSTONE WITH METACONGLOMERATE AND PHYLLITE
	SLIGHTLY METAMORPHOSED		
	BROKEN LINES ON MAP FACE DENOTE UNCERTAINTY		
	CLP LOW VOLTAGE POLES (SUBJECT OF THIS APPLICATION)		
	CLP LOW VOLTAGE OVERHEAD LINE CABLE		



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

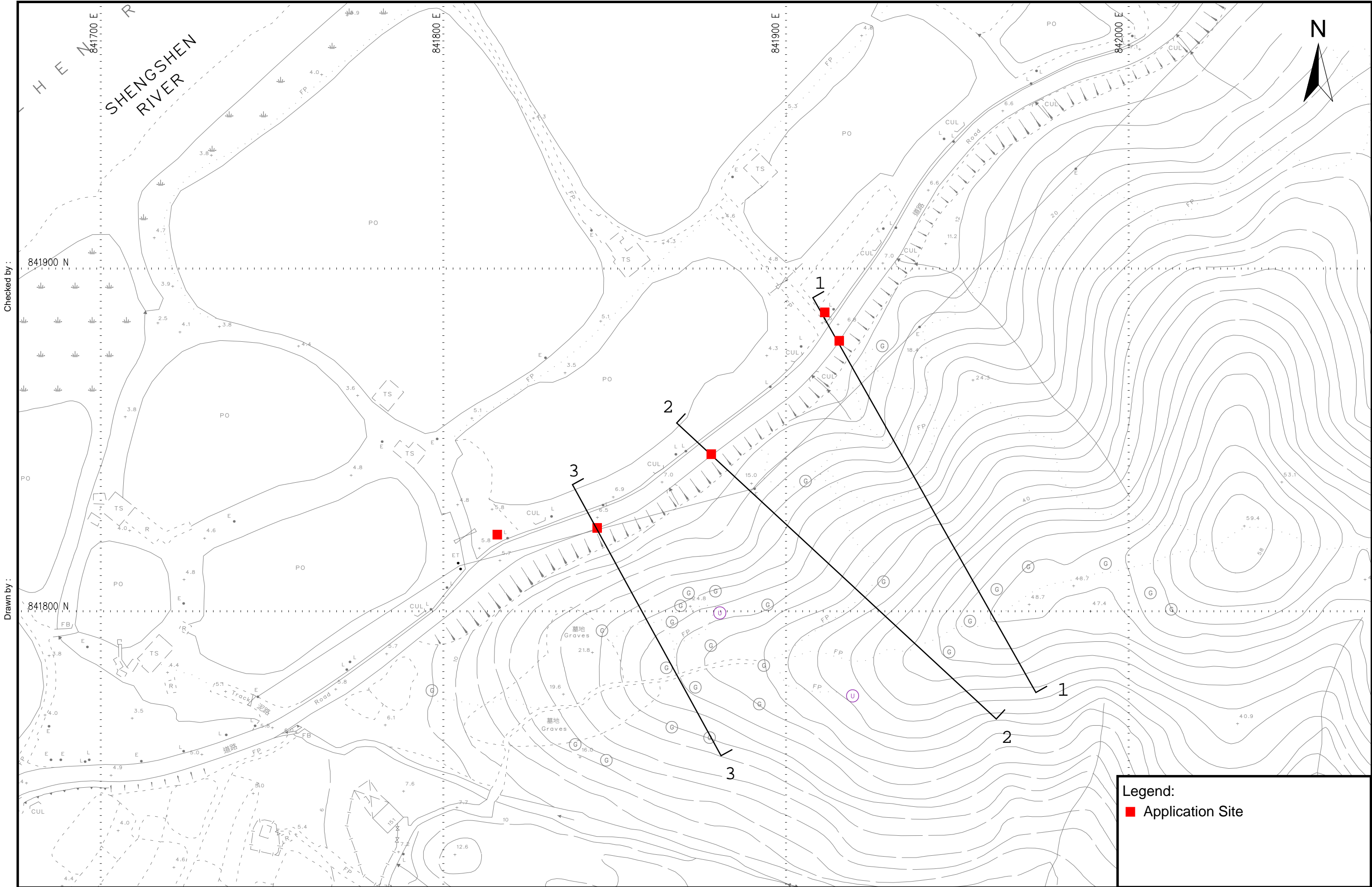
Drawing Title
 REGIONAL GEOLOGICAL MAP
 H.K. Geological Survey, Series HGM20, Sheet 02, 1988 Edition

Job No.
 190011.051
 Scale
 1 : 10000

Figure No.
 3
 Date
 JUL-2022

Appendix A

Assessment of Natural Terrain Hazard



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 EXCAVATION OF LAND (OHL POLE & STAY ERECTION)
AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG

Drawing Title
Natural Terrain Plan

Legend: ■ Application Site	
Job No. B190011.051	Figure -/-
Scale 1:1000	Date JUL-2022

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

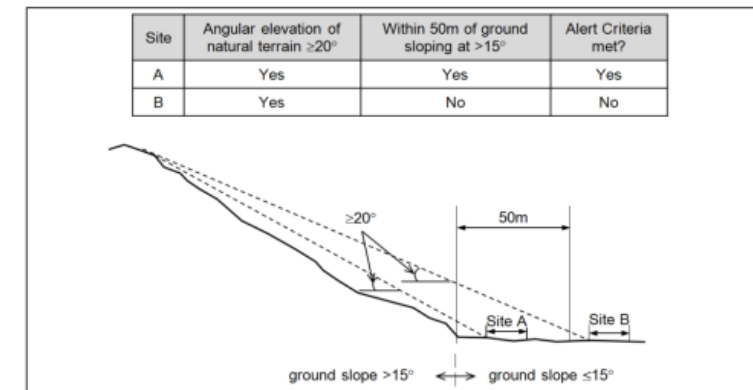
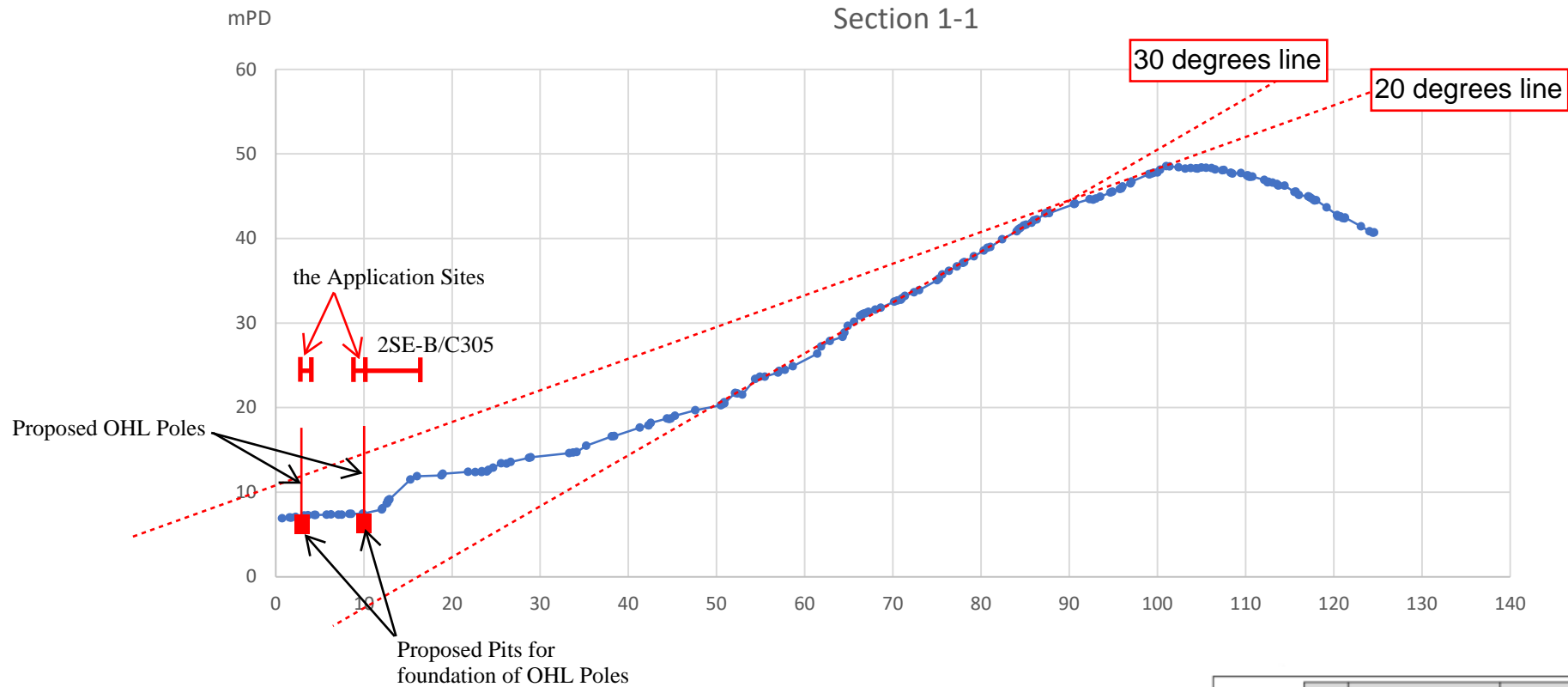


Figure 2.5 Application of Alert Criteria

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

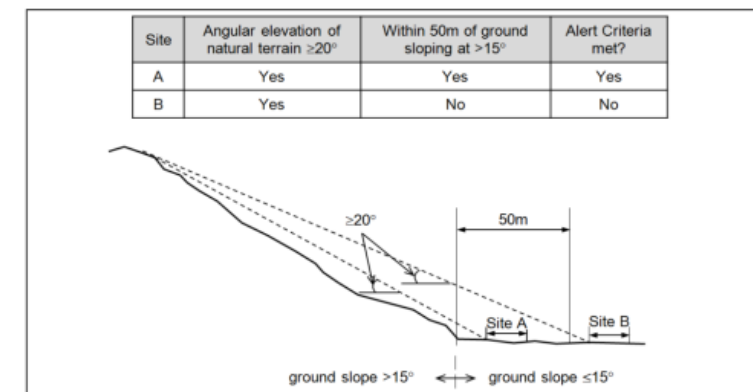
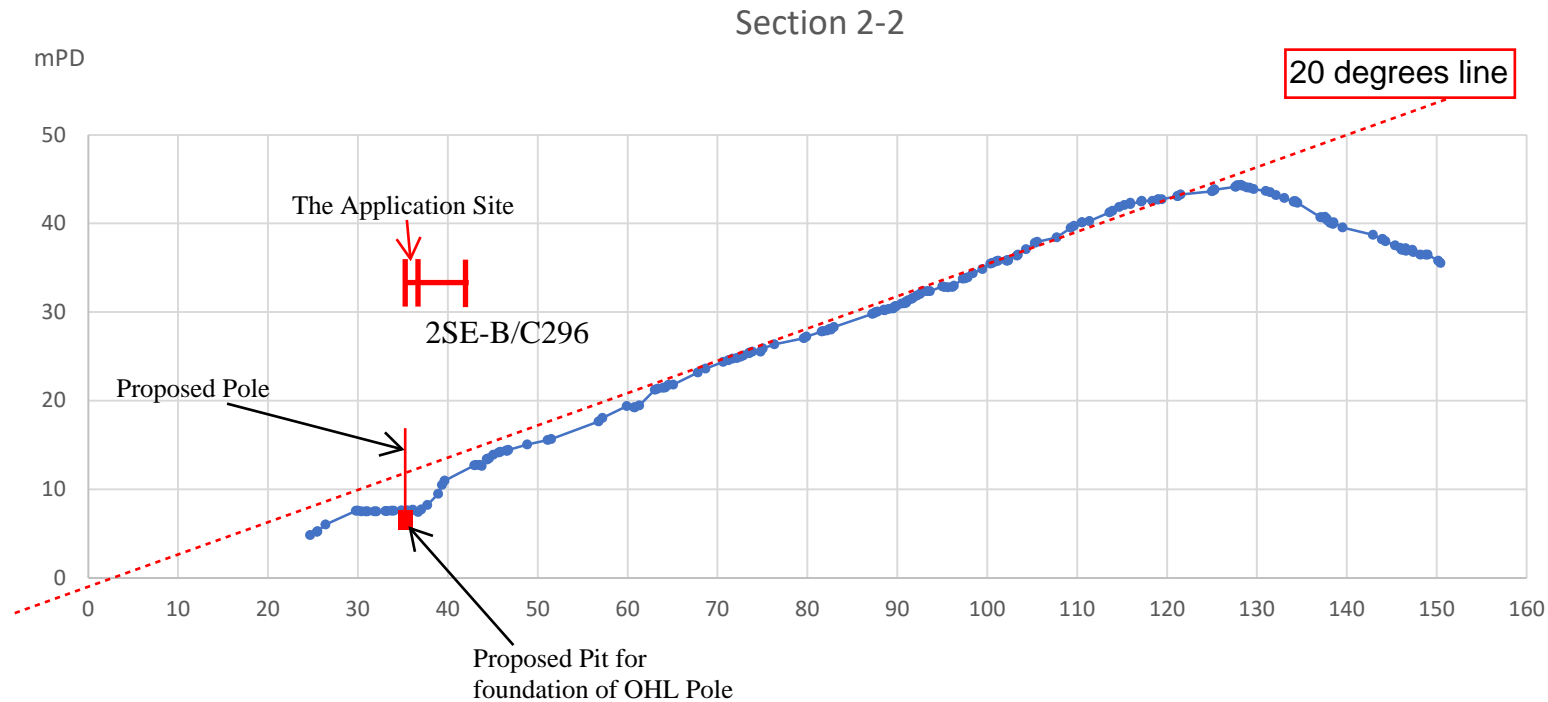
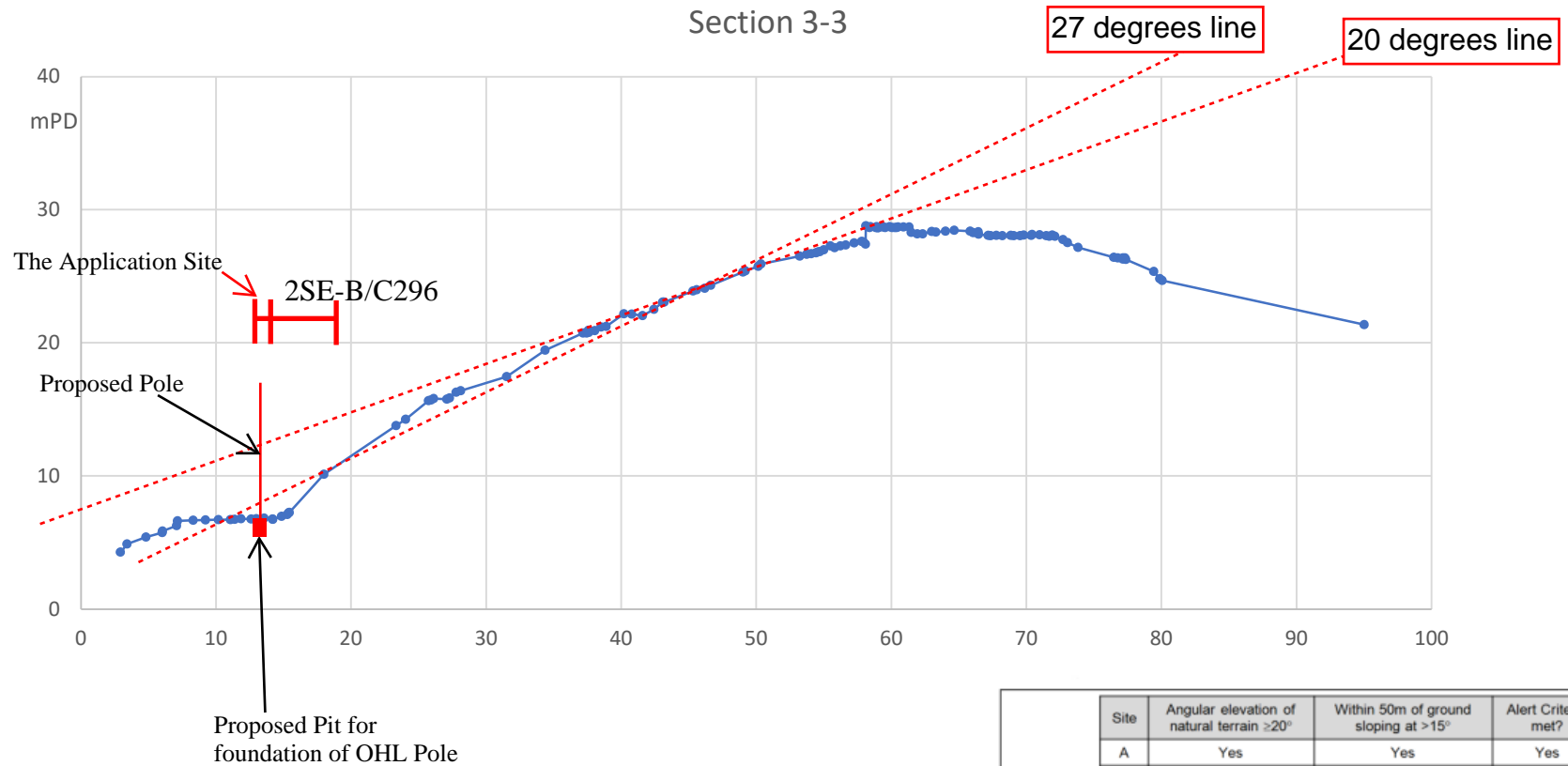


Figure 2.5 Application of Alert Criteria

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 $\geq 20^\circ$	Within 50m of ground sloping at $>15^\circ$	Alert Criteria met?
A	Yes	Yes	Yes
B	Yes	No	No

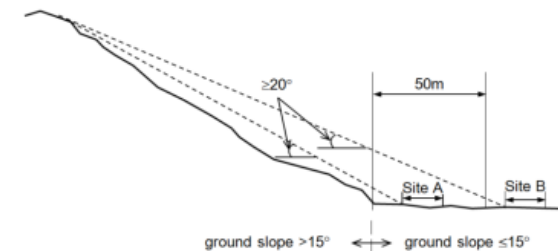
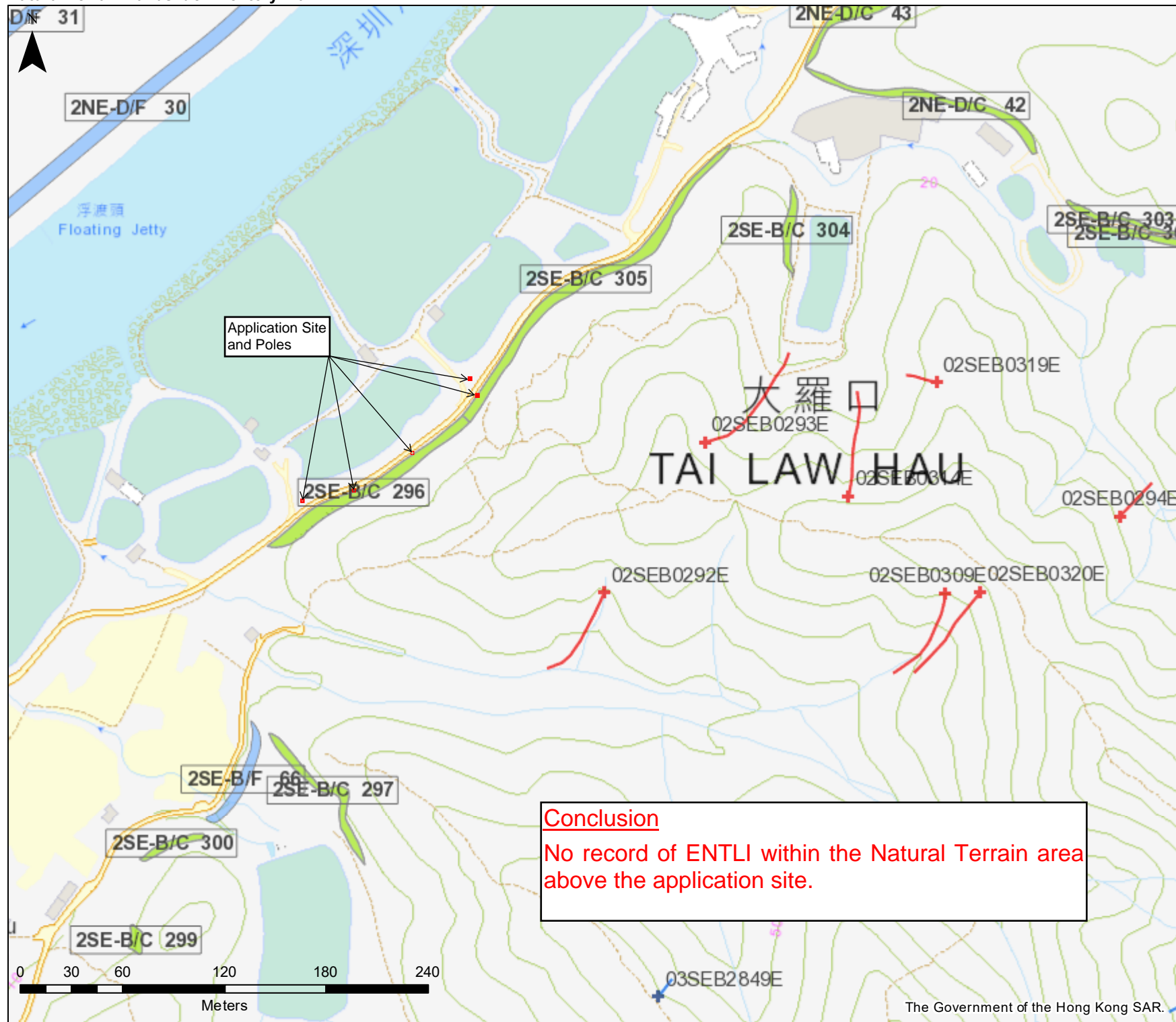


Figure 2.5 Application of Alert Criteria

Appendix A(Cont'd)

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

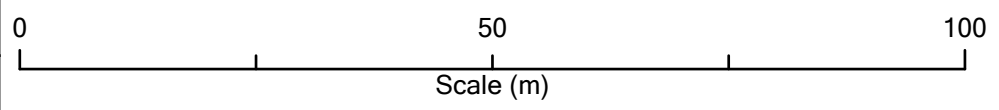
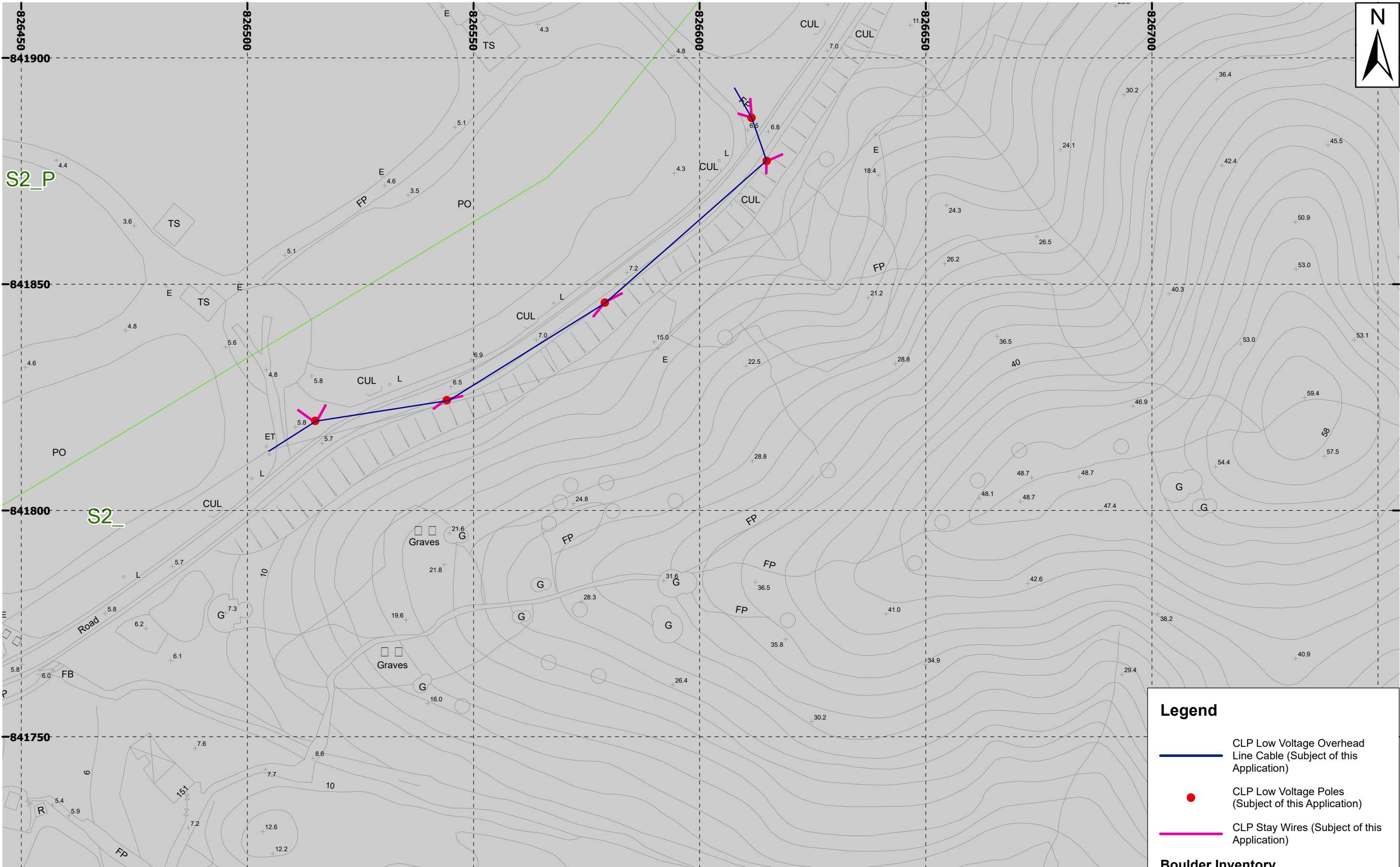
Legend:

- Application Site

Division

Scale 1:3,000

Date 22/07/2022




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

Legend

- CLP Low Voltage Overhead Line Cable (Subject of this Application)
- CLP Low Voltage Poles (Subject of this Application)
- CLP Stay Wires (Subject of this Application)

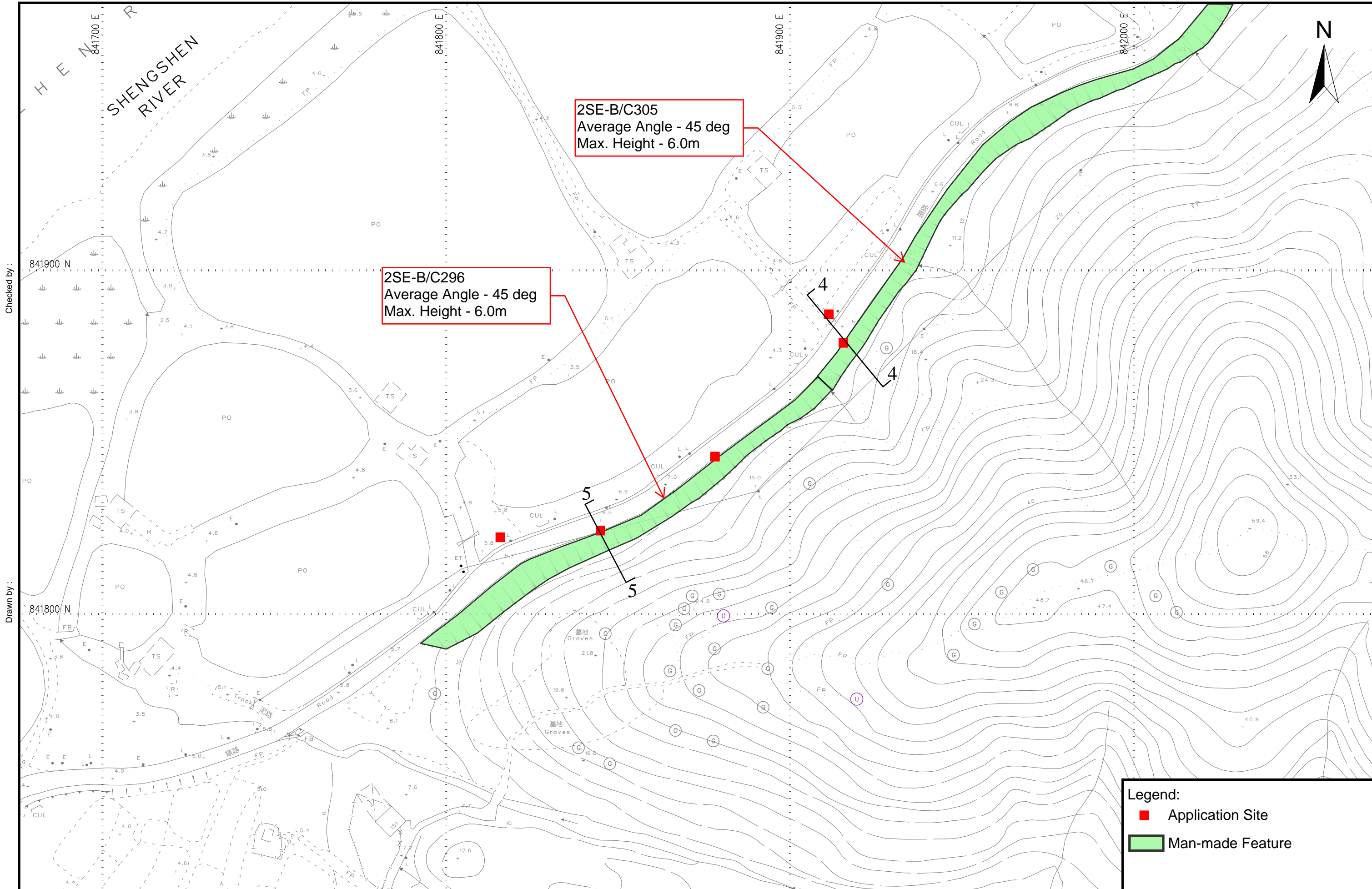
Boulder Inventory

	No data
--	---------

 <div>FUGRO (HONG KONG) LTD 10/F, Fugro House - KCC2, 1 Kwai On Road, Kwai Chung, New Territories, Hong Kong.</div>	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. 190011.051	Figure
			Scale: 1:800	Date: JUL-2022

Appendix A(Cont'd)


Features and Sections

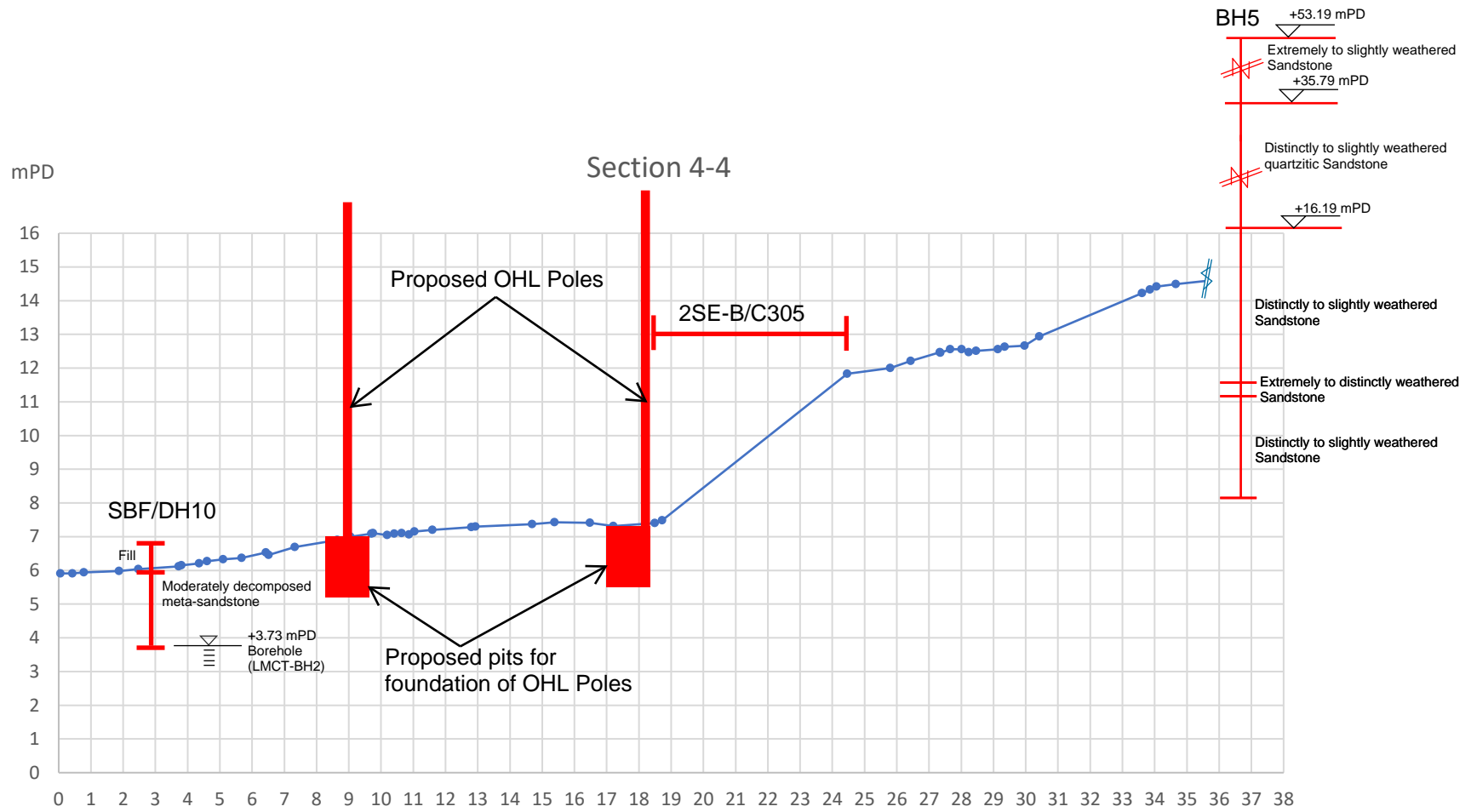


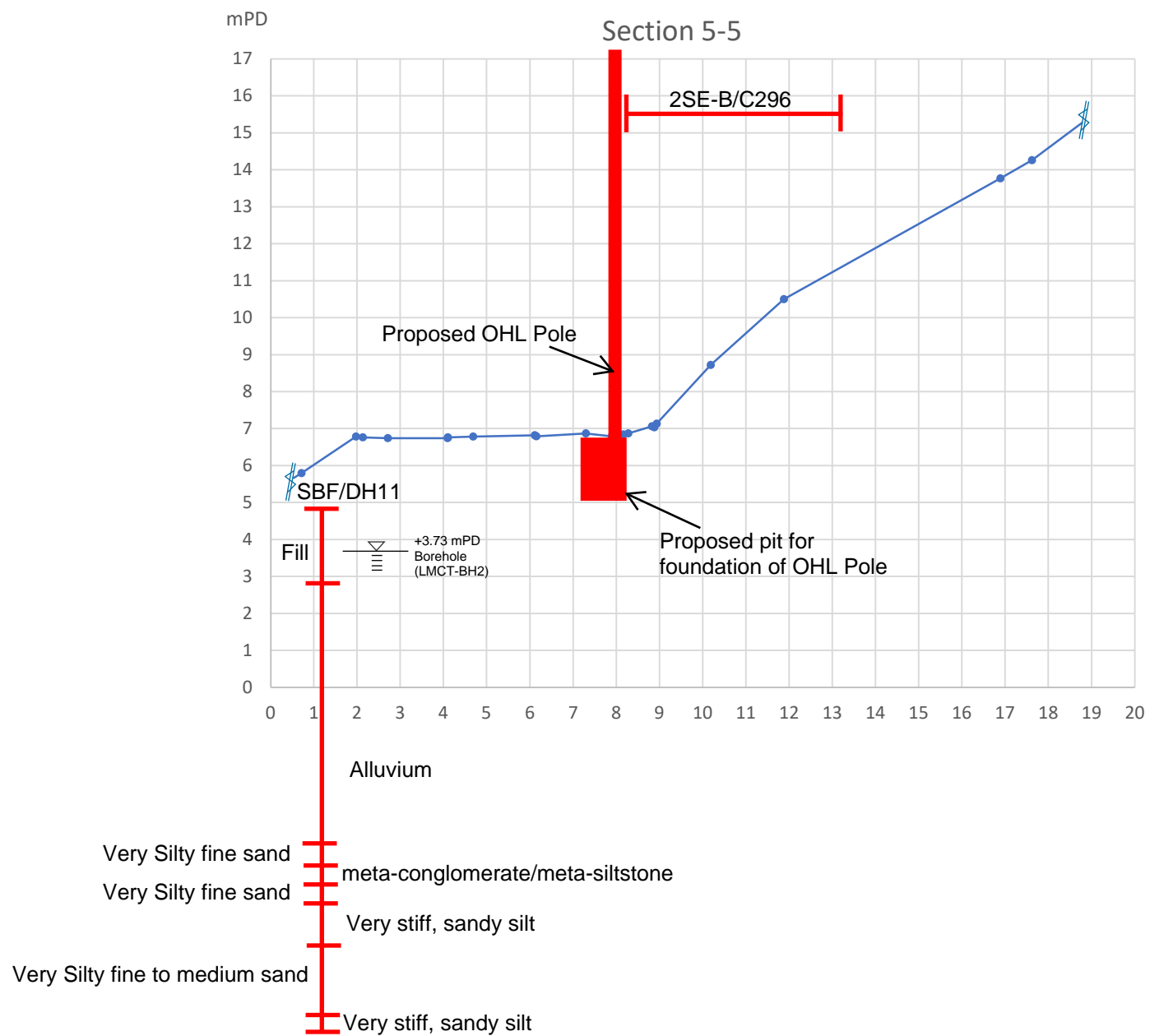
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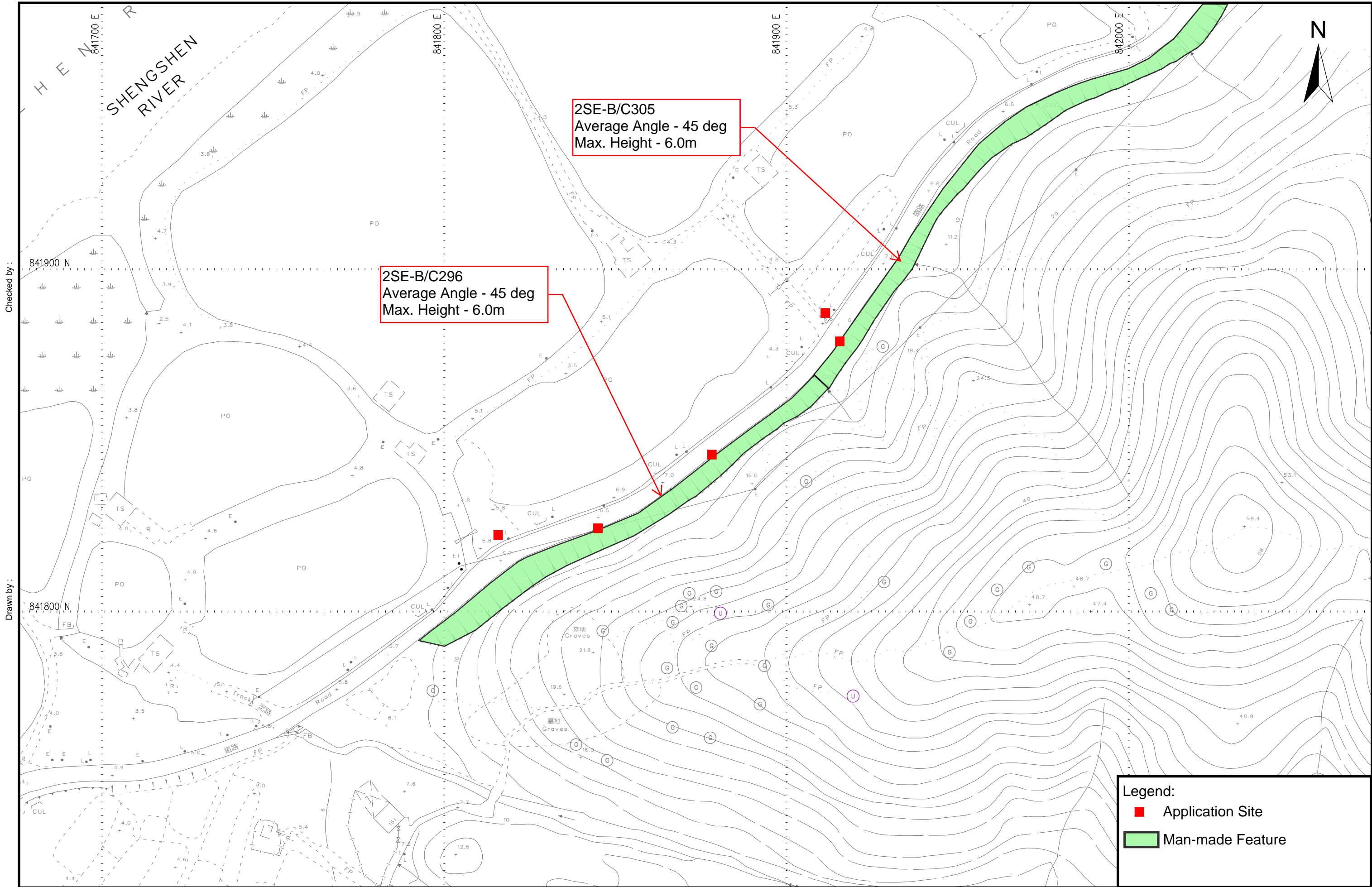
 FUGRO (HONG KONG) LIMITED 10/F, Fugro House - KCC2, 1 Kwai On Road, Kwai Chung, New Territories, Hong Kong. Tel : 2577 9023	Project GEOTECHNICAL PLANNING REVIEW REPORT FOR THE PROPOSED PUBLIC UTILITY INSTALLATION AND ASSOCIATED FILLING AND EXCAVATION OF LAND (OHL POLE & STAY ERECTION) AT GOVERNMENT LAND IN D.D. 96, SAN TIN, YUEN LONG	Drawing Title Feature Layout Plan	Job No.	Figure
			B190011.051	-/-
			Scale 1:1000	Date JUL-2022





Appendix B


Slope Location Plan



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Drawn by :

Compiled by :

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			B190011.051	-/-
			Scale 1:1000	Date JUL-2022

General Views of Registered Man-made Slopes

2SE-B/C296
Average Angle - 45 deg
Max. Height - 6.0m



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

2SE-B/C305
Average Angle - 45 deg
Max. Height - 6.0m



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: El(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:

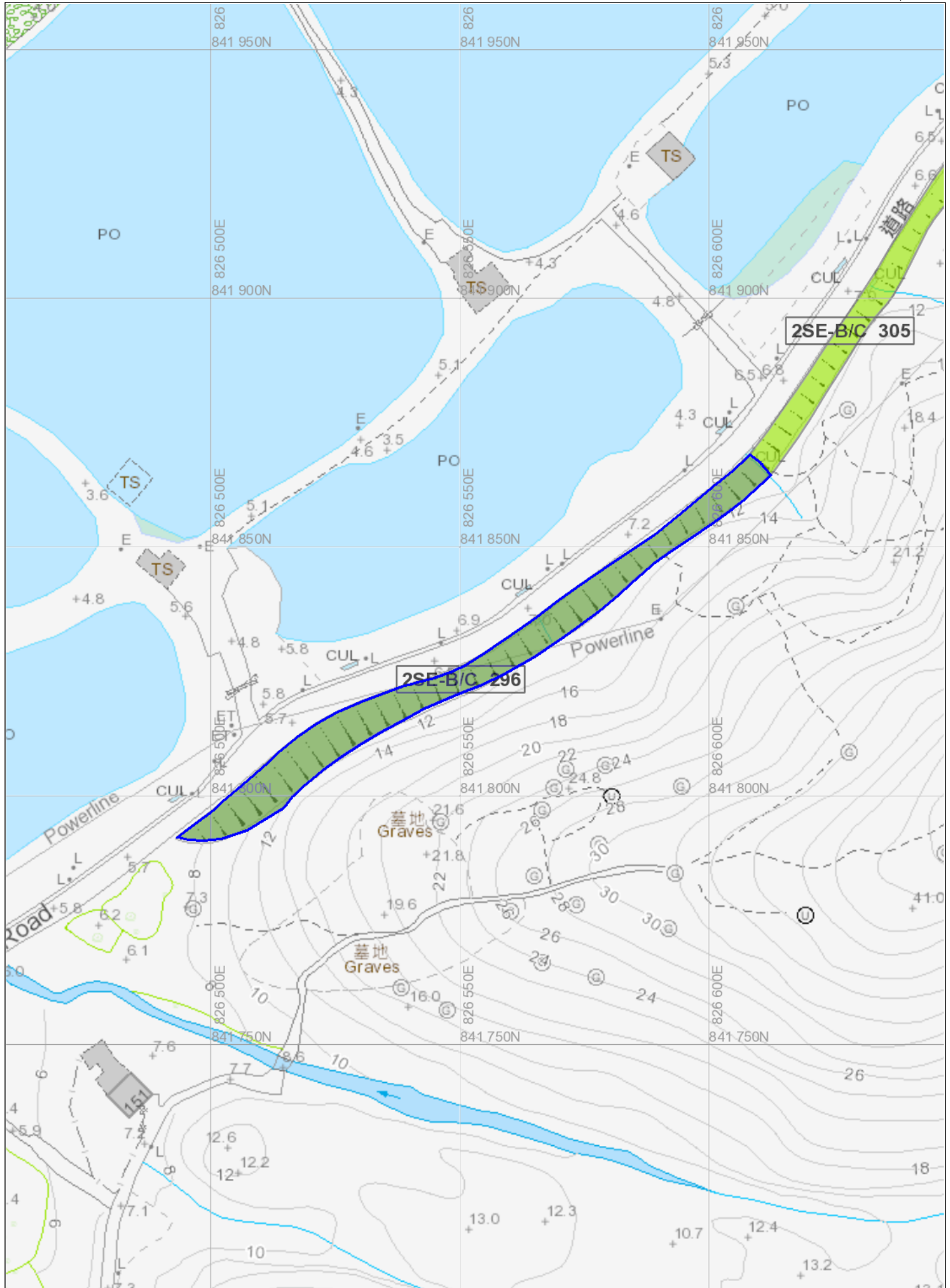
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







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:

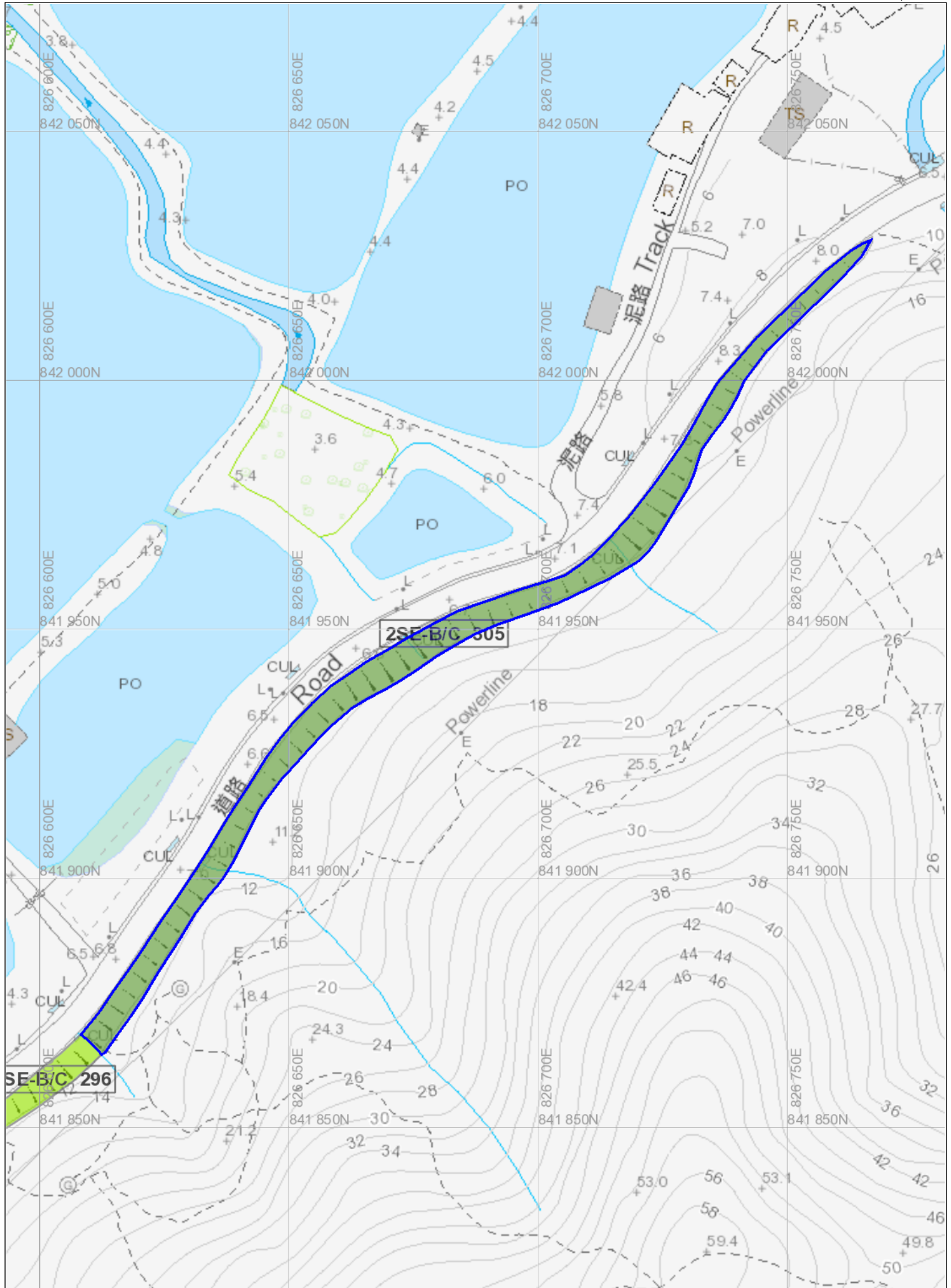
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





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 -

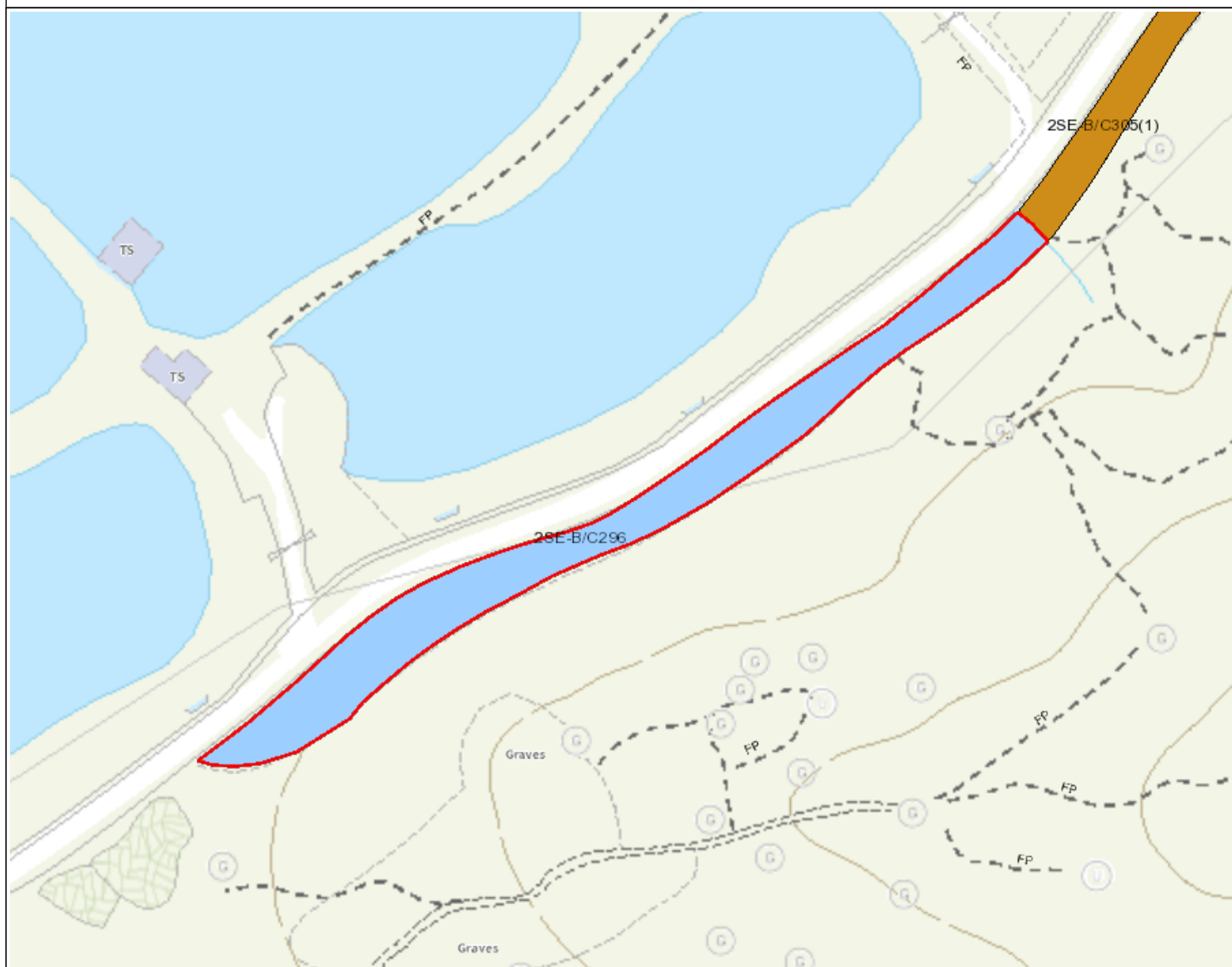
Notes:

- (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.

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Search Criteria: 2SE-B/C296

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

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Search Criteria: 2SE-B/C296

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 -

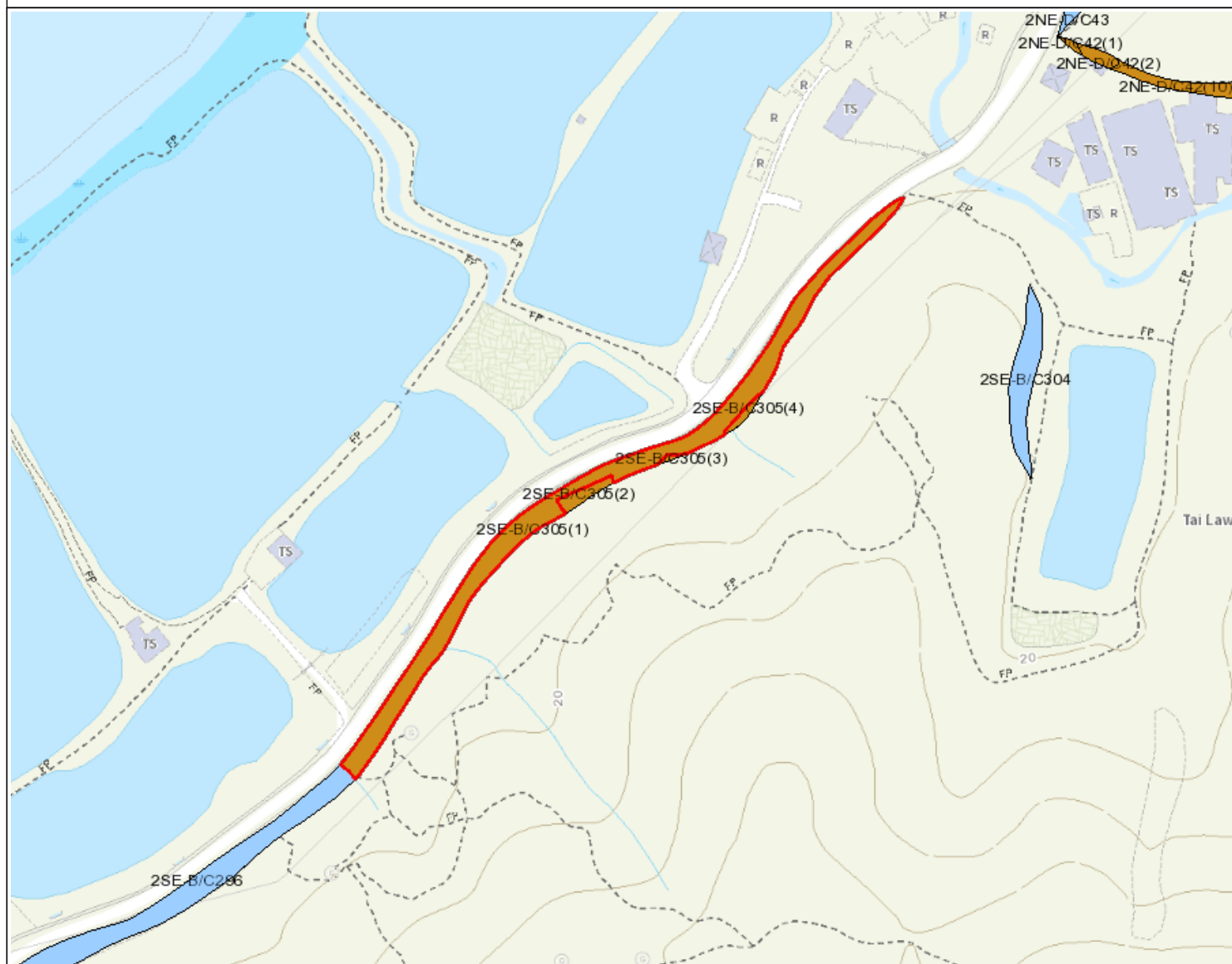
Notes:

- (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.

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Search Criteria: 2SE-B/C305

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

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Search Criteria: 2SE-B/C305

Appendix C

Location Plan of Existing Borehole

Appendix C(Cont'd)

Measured Groundwater Record

[illegible]

[illegible]

1201617e

[illegible]

Appendix C(Cont'd)

Existing Ground Investigation Records

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 %	TCR %	SCR %	RQD %	FI	Depth of FI / Test	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
										No. Type Depth	+3.95	0.00			
15/09/2017	SW									A B C NON-SECTION CUT	0.50 1.00 1.35				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)
1															
2	SW 2.00 PW		80	46						SW	2.00	+2.60 1.35			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)
3			80	90						1	2.00	+1.95 2.00			Firm, dark grey (N 4), mottled black, clayey slightly sandy SILT with occasional decayed wood pieces. (POND DEPOSIT)
4										2	3.00	+0.85 3.10			Soft, brown, slightly clayey sandy SILT with occasional subrounded fine to medium gravel sized rock fragments. (ALLUVIUM)
5			80	0						3	3.20				
6										4	3.50				
7										5	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)
8										6	5.55	-1.65 5.60			
9										7	5.70				
10										8	6.00				
11										9	7.10	-3.15 7.10			Extremely weak, light grey (N 7), streaked reddish brown and light brown, completely decomposed METASILSTONE. (Slightly sandy SILT)
12			80	40						10	8.10				
13										11	8.20				
14			80	95						12	9.20				
15										13	9.40				
16										14	9.70				
17															
18	PW 10.00	0.58m at 18:00										-6.05 10.00			End of Investigation Hole at 10.00m.

- | | | | |
|----|-------------------------|---|---------------------------------------|
| ● | Disturbed sample | ▼ | Standard penetration test |
| ▤ | Piston sample | ⋮ | In-situ vane shear test |
| ▨ | Split spoon sample | ⋮ | Permeability test |
| ■ | U76 undisturbed sample | ⋮ | Pressuremeter test |
| ■ | U100 undisturbed sample | ⋮ | Packer Test |
| ▨ | Mazier sample | ⋮ | Acoustic or optical
televue survey |
| ▤ | SPT liner sample | ⋮ | Piezometer tip |
| ▲ | Water sample | ⋮ | Standpipe |
| En | Environmental Sample | ⋮ | 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 5.60m.
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.



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

LMCT-BH1

Hole No.:

1

Box No.: of

1

Depth :

0.00

m to

10.00

m

Date of Photograph :

31-10-2017



1.00m

0.00m



HOLE NO. LMCT-BH 2

CONTRACT NO. : GE/2015/29

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	Reduced Level	Depth (m)	Legend	Grade	Description
										No.					
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)
1				80	36					B ● 1.00	+2.98	1.00			Light grey (N 7), locally light brown, slightly silty angular medium to coarse GRAVEL sized rock fragments. (FILL)
2				80	90					1 ▨ 1.50	+2.48	1.50			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)
3										2 ● 2.50	+1.38	2.60			Soft, dark grey (N 4), spotted dark brown, clayey slightly sandy SILT. (POND DEPOSIT)
21/09/2017		0.10m at 18:00							1,1,1,1,1,1 N=4	3 ○ 2.70					
22/09/2017		0.40m at 08:00							23.24 kN/m ²	4 ● 3.00					
4										5 ▨ 3.55					From 3.60m to 4.60m : No recovery.
22/09/2017		0.25m at 18:00			0					6 ▨ 4.55					
23/09/2017		1.03m at 08:00							28 bls	7 ● 4.60	-0.62	4.60			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										8 ● 5.05					
6										9 ○ 5.10					
6										10 ● 5.50					
6									5.10 2,3, 3,3,5,8 N=19	11 ● 6.10					
6									5.55 1.30×10^{-7} m/sec	12 ▨ 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)
7				80	98					13 ● 7.60	-3.72	7.70	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)
8										14 ○ 7.80					
23/09/2017	SW	0.22m at 18:00							5,7, 6,10,20,16 N=52	15 ● 8.10					
25/09/2017	PW	0.53m at 08:00								16 ▨ 8.60					
9										17 ● 9.60					
25/09/2017		0.27m at 18:00								18 ○ 9.70					
26/09/2017		0.80m at								18 ○ 9.80					
9				60	95					4,4, 7,7,8,9					

- | | |
|---------------------------|---|
| ● Disturbed sample | ↓ Standard penetration test |
| ▨ Piston sample | ↕ In-situ vane shear test |
| ▧ Split spoon sample | ⊥ Permeability test |
| ■ U76 undisturbed sample | ⊞ Pressuremeter test |
| ■ U100 undisturbed sample | ⊞ Packer Test |
| ▨ Mazier sample | ⊞ Acoustic or optical
televue survey |
| ▨ SPT liner sample | ⊞ Piezometer tip |
| ▲ Water sample | ⊞ Standpipe |
| En Environmental Sample | ⊞ 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

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.
MACHINE & NO.	VBM52	E 826149.30 N 841498.38	GE/2015/29.2
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 %	SCR %	R Q D %	FI	Depth of FI / Test	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
26/09/2017 27/09/2017	PW	08:00 0.28m at 18:00 0.81m at 08:00						10.15	N=31	19	10.10 10.15			V	See sheet 1 of 5
11				60	88					20	10.60	-6.62	10.60	V	Extremely weak, brown (7.5YR 5/4), occasional spotted white, completely decomposed METASILTSTONE. (Slightly sandy SILT)
12								11.70	3,3,5,6,7,9 N=27	21	11.60 11.70				
								12.15		22	11.80				
										23	12.10 12.15				
13				60	95					24	12.60	-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)
14		0.25m at 18:00						13.70	6,8,12,17,25,30 N=84	25	13.60 13.70				
27/09/2017 28/09/2017		0.95m at 08:00						14.15		26	13.80				
15				60	95					27	14.10 14.15				
										28	14.60				
16								15.70	3,8,12,19,22,33 N=86	29	15.60 15.70				
								16.15		30	15.80				
										31	16.10 16.15				
17				60	95					32	16.60	-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)
								17.70	10,12,14,28,32,24 N=98	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)
18								18.15		34	17.80				
		0.55m at 18:00								35	18.10 18.15				
28/09/2017 29/09/2017	PW 18.60 HW	1.12m at 08:00		60	95					36	18.60	-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)
19										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
- 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

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	Reduced Level	Depth (m)	Legend	Grade	Description
	HW									No. Type Depth					
								20.15	N=95	39 20.10 20.15	-16.02	20.00		IV	See sheet 2 of 5
21				60	95					40 20.60					
22								21.70	8, 12, 14, 18, 30, 32 N=94	41 21.60 21.70					
								22.15		42 21.80					
										43 22.10 22.15					
23				60	95					44 22.60	-18.62	22.60		IV	Very weak to weak, light grey (N 7), streaked brown, highly decomposed METASILTSTONE. (Slightly silty subangular fine to coarse GRAVEL)
24								23.70	50/70mm 100/60mm (100/60mm)	45 23.60 23.70					
								23.83		46 23.78 23.83					
		0.42m at 18:00						24.40		47 24.60					
25		0.92m at 08:00		60	100			24.96		48 24.86 24.96	-20.98	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°.
26				60	100	82	33	9.4	>20	T21OI					
								25.49							
								25.59							
27				60	100	49	0	12.5	>20	T21OI					
								26.07							
								26.75							
28		0.31m at 18:00						10.9		T21OI					
		1.00m at 08:00													
29				85	63	47	15	28.50		T21OI	-24.52	28.50		V	From 28.50m to 29.05m : No recovery, inferred to be completely decomposed METASILTSTONE.
								29.05							
30				85	100	96	24	13.4		T21OI	-25.07	29.05		III	

- 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
 - ⬇ 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

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	Reduced Level	Depth (m)	Legend	Grade	Description
										No. Type Depth	-26.02	30.00			
31	HW			85	100	89	43	30.69		T2 IOI 30.22				III	See sheet 3 of 5
								31.13		T2 IOI					
								12.0							
32				85	52	5	0	32.13		T2 IOI	-28.15	32.13		V	From 32.13m to 32.59m : No recovery, inferred to be completely decomposed METASILTSTONE.
		0.90m at 18:00						32.59			-28.61	32.59			
		1.10m at 08:00						32.79			-28.80	32.78		IV	
33				85	90	31	16	33.00		T2 IOI				III	Moderately weak to moderately strong, reddish brown, spotted white, moderately decomposed METASANDSTONE.
								33.20			-29.22	33.20		IV	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°.
34				65	0			34.10		50				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)
								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)
35		0.90m at 18:00		85	91	0	0	35.10		T2 IOI					Moderately weak, brown (7.5YR 5/4), dappled brown, highly decomposed METASANDSTONE. (Slightly silty sandy subangular fine to coarse GRAVEL with some subangular cobbles)
		1.05m at 08:00						35.10		51	-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)
36				80	95										
								36.20		52					
								36.35		53					
								36.60		54					
37															
								37.10		55					
38								38.00							
								38.20		56					
								38.41		57					
								38.41		58					
39		0.65m at 18:00						38.90			-34.92	38.90		IV	Moderately weak to moderately strong, brown, streaked black, moderately decomposed METASILTSTONE.
		0.90m at 08:00						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°.
40				80	98	21	15	39.36		T2 IOI	-35.38	39.36		IV	
								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
 - 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				HOLE NO. LMCT-BH 2									
		CONTRACT NO. : GE/2015/29				SHEET 5 OF 5									
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> 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 </div> <div style="width: 65%;"></div> </div>															
METHOD Rotary		CO-ORDINATES E 826149.30 N 841498.38				TASK ORDER NO. GE/2015/29.2									
MACHINE & NO. VBM52						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 <small>No. Type Depth</small>	Reduced Level <small>-36.02 40.00</small>	Depth (m) <small>-36.18 40.16</small>	Legend	Grade	Description
41	HW		80	69	40	32	NR	17.6		T2 IOI	-36.18	40.16	III	V	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)
								40.65		-36.67	40.65	III	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)	
								41.08		-37.10	41.08	IV	IV		From 40.16m to 40.65m : No recovery, inferred to be completely decomposed METASILTSTONE.
								41.57		-37.59	41.57	III	III	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		T2 IOI	-38.26	42.24	IV		IV
								42.77		-38.79	42.77	III	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)	
43			80	78	15	0	NA	17.1		T2 IOI	-39.20	43.18	IV		IV
								43.58		-39.60	43.58	V	V	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)	
44		0.65m at 18:00	60	0			NR	43.86		T2 IOI	-39.88	43.86	IV		II
		0.95m at 08:00						43.91		-39.93	43.91	IV	II	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°.	
45			60	100	100	94	3.1	45.34		T2 IOI	-42.39	46.37	III		III
								46.51		-46.83	46.83	III	III	End of Investigation Hole at 49.05m.	
46			60	100	98	89	9.4	47.17		T2 IOI	-47.50	47.50	III		III
								47.28		-48.42	48.42	III	III		
47		0.28m at 18:00	60	100	16	0	>20	48.81		T2 IOI	-49.05	49.05	III	III	
								48.81		-49.05	49.05	III	III		
48		1.21m at 08:00	60	100	89	66	9.8	49.05		T2 IOI	-49.05	49.05	III	III	
								49.05		-49.05	49.05	III	III		
49		0.52m at 18:00	60	100	70	43	4.0	12.5		T2 IOI	-49.05	49.05	III	III	
								49.05		-49.05	49.05	III	III		
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
- ↓ 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



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.: 1 of 10

Depth : 0.00 m to 11.70 m

Date of Photograph : 31-10-2017



0.00m

1.00m





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LMCT-BH2

Hole No.:

2

Box No.:

10

of

11.70

Depth :

m

24.96

m

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



0.00m

1.00m

CONT'D

(23)

11.70

(49)

24.96

CONT'D



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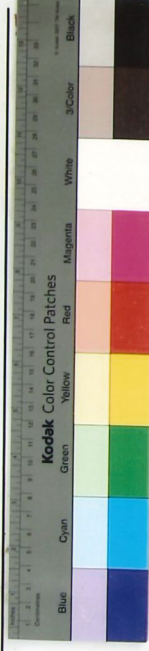
Agreement No. CE78/2014(DS)
Drainage Improvement Works
at North District - Package B
- Investigation

Hole No.: LMCT-BH2

Box No.: 3 of 10

Depth : 24.96 m to 27.55 m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

24.96

26.28

27.55

CONT'D



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- Investigation

LMCT-BH2

Hole No.:

4

Box No.:

10

of

27.55

Depth :

m

30.22

m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

27.55

NR
28.50-29.05

29.05

30.22

CONT'D



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Drainage Improvement Works
at North District - Package B
- Investigation

LMCT-BH2

Hole No.:

5

of

10

Box No.:

30.22

m to

(32.99)

m

Date of Photograph: 31-10-2017



0.00m

1.00m

CONT'D

30.22

31.63

32.59

NR
32.13- 32.59

(32.99)

CONT'D



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Drainage Improvement Works
at North District - Package B
- Investigation

LMCT-BH2

Hole No.: _____

Box No.: 6 of 10

Depth : (32.99) m to 39.90 m

Date of Photograph : 31-10-2017



0.00m

1.00m





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LMCT-BH2

Hole No.:

Box No.: 7

of

10

Depth :

39.90

m to

42.58

m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

39.90

NR
40.16-40.65

41.19

42.58

CONT'D



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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

LMCT-BH2

Hole No.:

8

of

10

Box No.:

42.58

m

to

45.34

m

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

42.58

(59)

43.91

43.86

NR
43.58-43.86

45.34

CONT'D



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CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT



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

LMCT-BH2

Hole No.:

9

of

10

Box No.:

45.34

m to

(48.12)

m

Depth :

Date of Photograph : 31-10-2017



0.00m

1.00m

CONT'D

45.34



CONT'D



GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT



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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**

10

Box No.:

of

10

Depth :

(48.12)

m

to

49.05

m

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



0.00m

1.00m



**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 826647.23WORKS 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
0									6.74	0.00			
20/04/2005	HX							INSPECTION PIT		0.50			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)
1			99	99	91	8.7		A		0.80			
	HX 1.26		100	98	0	14.9		B		1.26		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°
2			100	92	56			T2101		1.60			From 1.71m to 1.98m : Subvertical joint.
						20							
		1.23m at 18:00				12.1		T2101					
3									3.71	3.03			Hole completed at 3.03m.
20/04/2005													
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.: DH10

DEPTH: 0.00 M TO 3.03 M

DATE: 24-5-2005

BOX 1 OF 1

0.0m

0.5m



1.0m

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

WORKS ORDER NO. **ASD 010414**

MACHINE & NO. **DR129**

E 826386.01

DATE FROM **24/04/2005** TO **26/04/2005**

N 841754.65

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		0.50			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		1.00			
								C	3.36	1.50			
2		Dry at 18:00	80					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)
24/04/2005		Dry at 08:00						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		85					4		3.55			
								5	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		0.60m at 18:00						6	-0.24	5.10			
25/04/2005		1.50m at 08:00	0					7					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)
26/04/2005								8	-1.34	6.20			
6								9					
							3.2, 2.2, 3.3 N=10	10	-2.24	7.10			Loose to medium dense, yellowish brown (10YR 5/8), sandy subangular fine to medium GRAVEL sized moderately strong rock and quartz fragments. (ALLUVIUM)
7			80					11					
			75							7.60			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)
8			82							8.40			
									-4.14	9.00			
9								9				V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
							3.9, 1.1, 1.1, 1.4, 1.8 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 826386.01WORKS 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
10	HX									10.00		V	(Silty fine SAND with much subangular fine to medium coarse gravel sized moderately strong rock and qartz fragments)
11			90					12	-5.74	10.60		V	Extremely weak, yellowish red (5YR 5/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
12							4.7 9,18,26,40 N#3	14	-6.84	11.70		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SANDSTONE. (Very silty fine SAND)
13	HX 12.60		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)
14		0.80m at 18:00					5.8 11,19,29,43 N#02	18	-8.84	13.70		V	Extremely weak, brownish yellow (10YR 6/8), completely decomposed, meta-SILTSTONE. (Very stiff, sandy SILT)
26/04/2005								20	-9.29	14.15		V	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

0.00

7.10



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





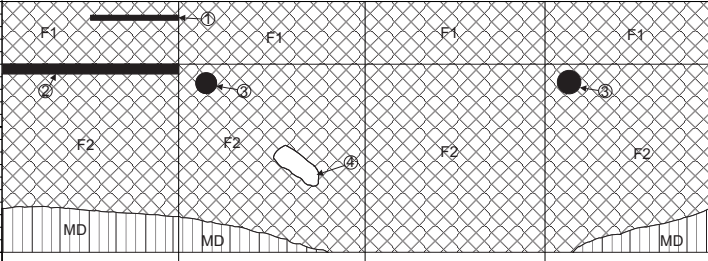

0.5m

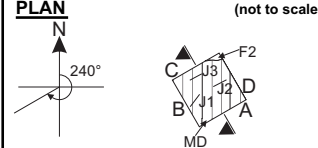
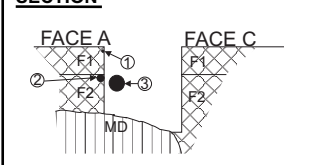

1.0m

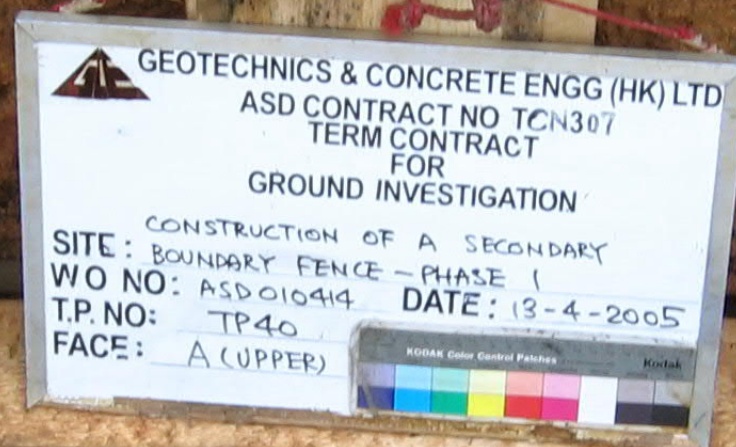
9.50



14.15
END

Samples & Test	Depth (m)	Sketch	Depth (m)	Legend	Description	Grade
 3  5  7  9	0.5 1.0 1.5 2.0		0.5 1.0 1.5 1.65 2.0		<p>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)</p> <p>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)</p> <p>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.</p>	III
	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0	<p>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°.</p>	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0		<p>Notes :</p> <ol style="list-style-type: none"> Small disturbed samples were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m. Large disturbed sample was taken at a depth of 0.50m. Undisturbed horizontal samples (U100) were taken at the depths of 0.50m, 1.00m, 1.50m and 2.00m. In situ density tests were carried out at the depths of 0.50m, 1.00m, 1.50m and 2.00m. 	
		FACE A: 1.40 m FACE B: 1.40 m FACE C: 1.40 m FACE D: 1.40 m				

<div>SYMBOLS</div> <div><div><div><div></div></div><div>Small Disturbed Sample</div></div><div><div><div></div></div><div>Large Disturbed Sample</div></div><div><div><div></div></div><div>Undisturbed Vertical Sample</div></div><div><div><div></div></div><div>Undisturbed Horizontal Sample</div></div><div><div><div></div></div><div>Block Sample</div></div><div><div><div></div></div><div>Insitu Density Test</div></div><div><div><div></div></div><div>Water Sample</div></div><div><div><div></div></div><div>Water Seepage</div></div></div>	<div>REMARKS</div> <div>Ground Water Nil</div> <div>Plant Used Hand dug</div> <div>Shoring Timber shoring over full height</div> <div>Stability Stable</div> <div>Depth at pit centre 2.00m</div> <div>Others Nil</div>	<div>PLAN</div> <div>(not to scale)</div> <div></div> <div>SECTION</div> <div></div>	Contract No. : TC N307	<div>PROJECT</div> <div>Construction of A Secondary Boundary Fence - Stage 1</div>	
			Works Order No. : ASD 010414		
			Co-ordinates : E 826873.76 N 842137.33	Sheet 1 of 1	TRIAL PIT NO. SBF/TP40
			Ground Level : 6.44 mPD	Date excavated 12/04/2005 to 12/04/2005	
			Logged by : Y.K. Lee	Date Reinstated 16/04/2005 to 16/04/2005	<div></div> <div>GEOTECHNICS & CONCRETE ENGG. (HONG KONG) LIMITED</div> <div>GROUND INVESTIGATION DEPARTMENT</div>
			Date logged : 13/04/2005		
			Checked by : Tom Lo		
			Date Checked : 14/04/2005		




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: A (UPPER)





 **GEOTECHNICS & CONCRETE ENGG (HK) LTD**
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION

CONSTRUCTION OF A SECONDARY
SITE: BOUNDARY FENCE - PHASE I
WO NO: ASD010414 DATE: 13-4-2005
T.P. NO: TP40
FACE: A (LOWER)

 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 (UPPER)



20
E
=19
E
18
E
=17
E
16
E
=15
E
14
E
=13
E
12
E
=11
E
10
E
=09
E
08



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)





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)





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

WO NO: ASD010414 DATE: 13-4-2005

T.P. NO: TP40

FACE: D (LOWER)





GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR
GROUND INVESTIGATION

CONSTRUCTION OF A SECONDARY

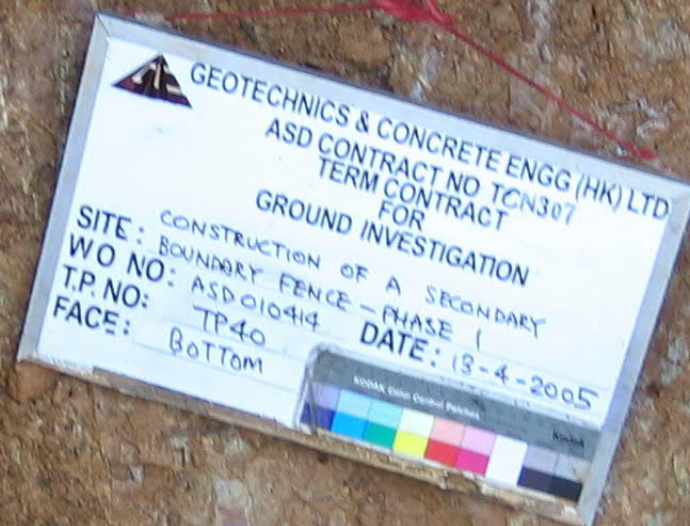
SITE: BOUNDARY FENCE - PHASE 1

WO NO: ASD010414 DATE: 13-4-2005

T.P. NO: TP40

FACE: D (UPPER)





GEOTECHNICS & CONCRETE ENGG (HK) LTD
ASD CONTRACT NO TCN307
TERM CONTRACT
FOR

GROUND INVESTIGATION

SITE: CONSTRUCTION OF A SECONDARY
WO NO: BOUNDARY FENCE - PHASE I
T.P. NO: ASD 010414
FACE: TP40
DATE: 13-4-2005
BOTTOM



CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 1 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49E 826828
N 841746HOLE 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.O.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
5/11	P		60								0.00	x x x x	XW		Medium dense, yellowish brown and brown, slightly silty fine SAND, relic texture (Extremely weathered SANDSTONE)
				75						51.19	2.00	x x x x			
											3.00	x x x x	XW to DW		Very dense to weak, brown and reddish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
				100						48.66	4.53	x x x x			
	4.53 P H			70	0	0	*				5.00	x x x x	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
				100	28	11	6			47.29	5.90	x x x x			
				98	54	33	4				6.45	x x x x	DW		Moderately strong, reddish brown and white, distinctly weathered SANDSTONE, joints are irregular, mainly closely spaced, dip sub-horizontally
				94	82	42	5			45.74	7.45	x x x x			
				100	0	0	*				8.00	x x x x	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	*			43.99	9.20	x x x x			
											9.45	x x x x	DW		See sheet 2 of 5
5/11	H		40								10.00				

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

LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED *[Signature]*

DATE 18.11.86

REMARKS

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

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 2 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49

E 826828

N 841746

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				
				40	12	0	*				10.35				
											11.00				
											11.35				
				19	0	0	*				12.00				
				NR							12.85				
				NR							13.00	x x	XW		
											13.20	x x	DW		Layer of brown, silty SAND (Extremely to distinctly weathered SANDSTONE)
				40	9	0	*				14.00				
				NR							14.70				
				NR							15.00				
				62	9	0	*				15.15				
				NR							16.00				
				NR							16.22				
5/11	H	16.72 at 19:00		70	0	0	*				16.72				
6/11	N	13.25m at 7:00		90	82	11	*				17.00				
											17.40				
											17.72				
				100	53	0	*				18.00				
											18.20				
6/11		10.80m at 19:00									18.62	x x	XW		Strong, light grey and white, medium grained, distinctly to slightly weathered quartzitic SANDSTONE, joints are planner and closely spaced some recrystallized quartz crystal
7/11		16.20m at 7:00		90	53	0	*				19.00				
											19.72				
											20.00				
7/11	N		40												Layer of red, reddish brown, silty fine SAND (Extremely weathered fine SANDSTONE)
															See sheet 3 of 5

- Small disturbed sample
- ▲ Water sample
- ⬇ Large disturbed sample
- ▼ Water Level
- ⊠ SPT liner sample
- ⬇ Standard penetration test
- U76 undisturbed sample
- ⬇ Permeability test
- U100 undisturbed sample
- ▲ Piezometer tip
- ⊠ Marier sample
- ✓ In situ vane shear test
- P-S Piston sample

LOGGED K.Y.Kwok

REMARKS

DATE 12.11.86

CHECKED *[Signature]*

DATE 18.11.86

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 3 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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49E 826828
N 841746HOLE 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				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	*				20.70				
											21.00				
				100	95	44	*				21.65				
		12.30m at 19:00		100	100	27	*				22.00				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
7/11											22.65				
8/11		21.65m at 7:00		65	0	0	*				23.00				
				42	10	0	*				23.32				
	24.50 N										23.80				
				59	25	0	*				24.00				
											24.50				
				100	45	0	*				25.00				
				98	58	28	*				25.32				
				100	85	0	*				25.65				
				57	63	0	*				26.00				
											26.32				
											26.85				
											27.00				
											27.45				
				55	0	0	*				28.00				
8/11		18.10m at 19:00									28.95				
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 *[Signature]*

DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

SHEET 4 of 5DATE from 5.11.86 to 11.11.86PROJECT Site Investigation - Vehicular Border Link -
Borrow Area at Mt. Luard

METHOD Rotary

CO-ORDINATES

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49E 826828
N 841746HOLE 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				
				73	77	55	*				30.45				
											31.05				
				93	79	10	*				32.00				
											32.25				
				98	45	0	*				33.00				
											33.50		SW		
				91	86	0	*				34.00				
											34.60				
				80	79	0	*				35.00				
											35.80				
											36.00				
				100	100	40	5				36.85				
10/11		18.20m at 19:00									36.85				
11/11		26.25m at 7:00		82	69	0	*				37.00				
				68	36	0	*				37.53		DW & DW to SW		
											38.00				
				52	0	0	*				38.23				
											39.00				
				100	40	18	*				39.70		SW		
11/11			40								40.00				

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

Moderately strong, yellowish brown, fine to medium grained, distinctly weathered and distinctly to slightly weathered SANDSTONE some thin layers of weathered soil minor schistosity rocks are under low-graded metamorphism

See sheet 5 of 5

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

LOGGED K.Y.KwokDATE 12.11.86CHECKED [Signature]DATE 18.11.86

REMARKS

CONTRACT NO. GC/85/09

W.O. NO. PW7/2/16.75

DRILLHOLE RECORD

HOLE NO. BH5

Lam Geotechnics Limited

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

ROCK COREBIT T2. TNW

MACHINE & NO. Long Year
D-49

E 826828

N 841746

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.O.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m.)	Legend	Grade	Zone	Description
11/11			40	100	73	14	*				40.00		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		XW/DW		Very dense to very weak, brown and greyish brown, silty fine SAND (Extremely to distinctly weathered SANDSTONE)
				90	85	0	*		TNW	11.19	42.00				
											42.20				
				100	82	31	*				43.00		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
											43.30				
				93	79	21	*				44.00				
											44.30				
11/11		18.90m at 19:00	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
- Mazzer sample
- P.S. Piston sample
- ▲ Water sample
- ▼ Water Level
- ↓ Standard penetration test
- ↓ Permeability test
- ▲ Piezometer tip
- ✓ In situ vane shear test

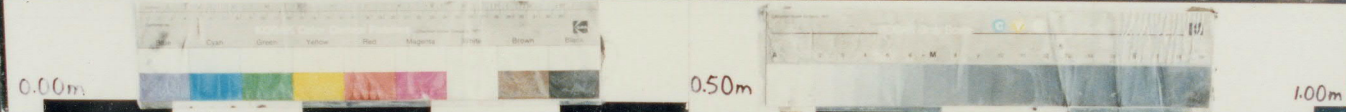
LOGGED K.Y.Kwok

DATE 12.11.86

CHECKED *[Signature]*

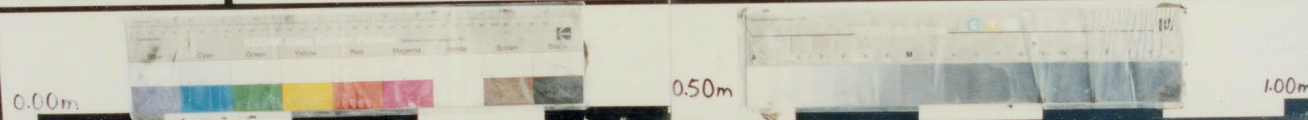
DATE 18.11.86

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		
			



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



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

17.72m 16.72m

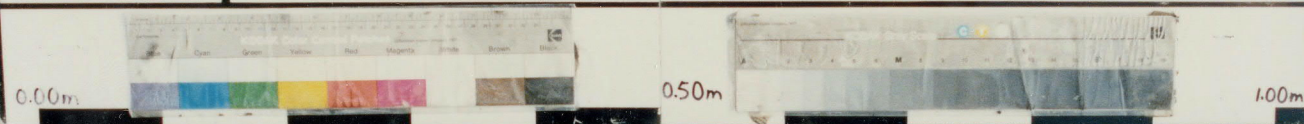
18.02m

20.70m 17.72m

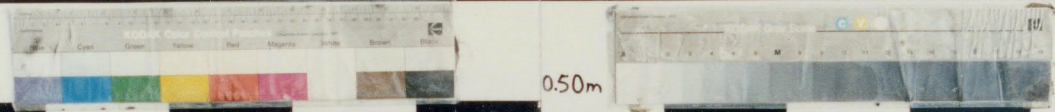
CLIENT	GEOTECHNICAL CONTROL OFFICE		
CONTRACT NO.	GC/85/09		
CONTRACTOR	LAM GEOTECHNICS LTD		
JOB NAME	LOK MA CHAU	W.O.NO.	PW7/2/16.75
HOLE NO.	BH-5	BOX'S NO.	4 OF 7
DEPTH	METRE FROM 20.70m TO 26.32m		



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.		



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		
			



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

44.30m 43.30m 42.20m 40.95m

45.10m

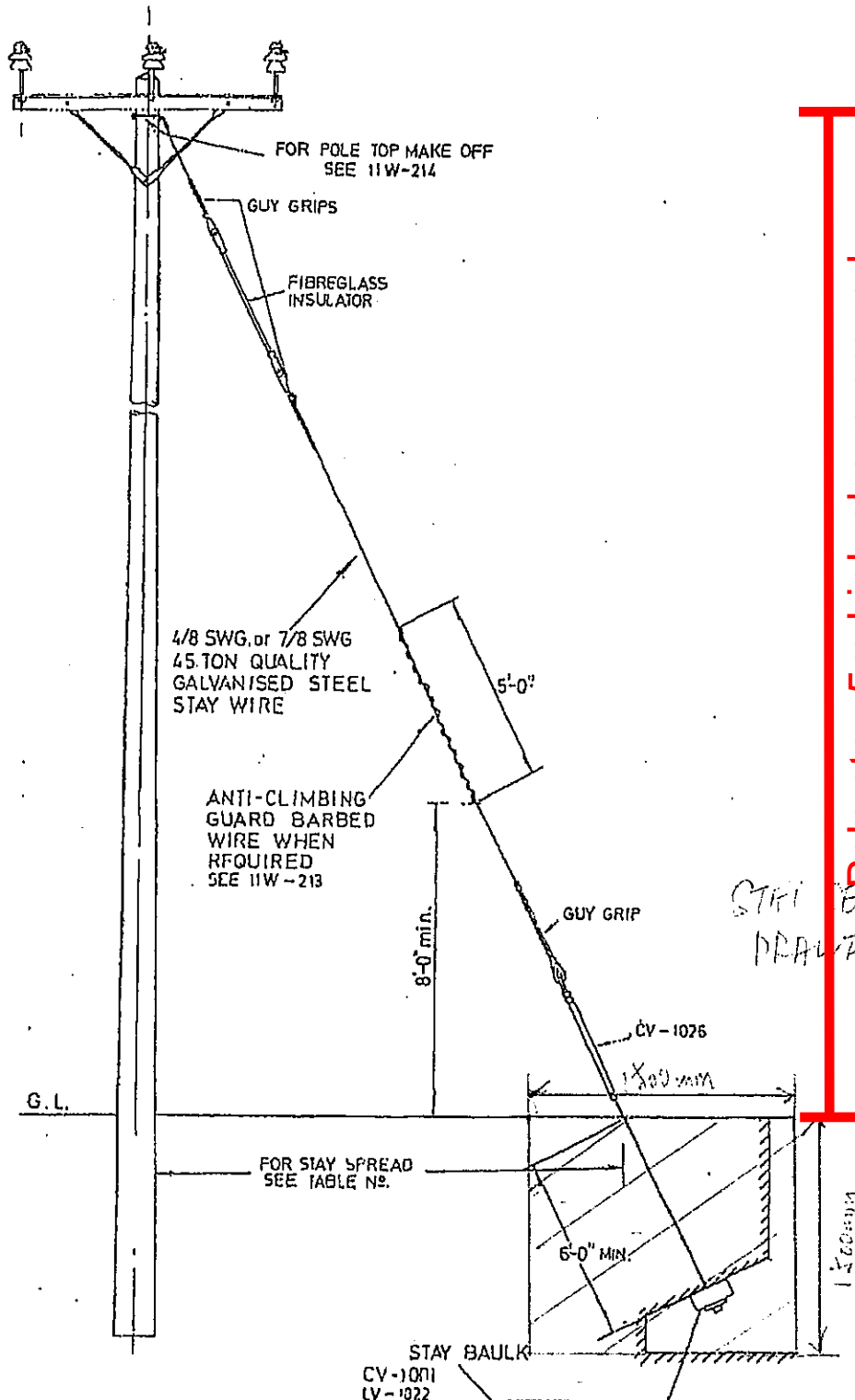
Appendix D
has been
added

Appendix D

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

Pole 10m high above ground

Pole stay 5m high above ground



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
CHECKED: W.M.CHANG	APPROVED: W.M.CHANG
SCALE: N.T.S.	SHEET(S) IN SET: 1

PROJECT NO. CONTRACT NO.

ASSET MANAGEMENT

DRG. NO. T GEN 51220 DE 33 0136 01 - A

INFORMATION CLASS: PROPRIETARY

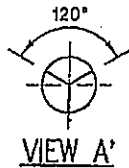
ALL RIGHTS RESERVED AND REPRODUCTION IN ANY FORM MUST BE APPROVED BY CLP POWER

Drg No. 01 - A

CLP STOCK NO.: 334-500

NOMINAL POLE LENGTH

9m



VIEW A'

Pole 10m high above ground

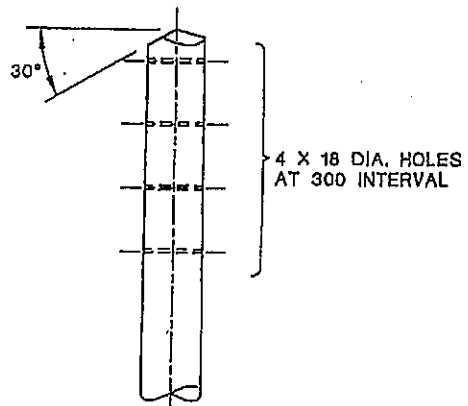
GOUGE MARK

GROUND LEV.

200(H) WOOD
BAULK

15

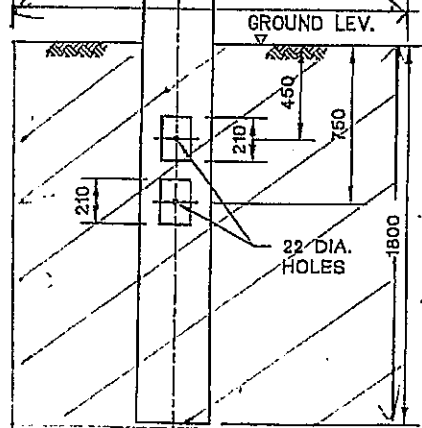
3000

Pole Section
DRAWING

WIDTH

200mm

GROUND LEV.



NOTE:

ALL DIMENSIONS ARE IN mm UNLESS
OTHERWISE STATED.THIS DWG. SUPERSEDES DWG NO.
ESG/G/96-69

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

CLP 中電

REVS.	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						

TITLE :

LV OHL WOOD POLE

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

PROJECT NO.

CONTRACT NO.

ASSET MANAGEMENT

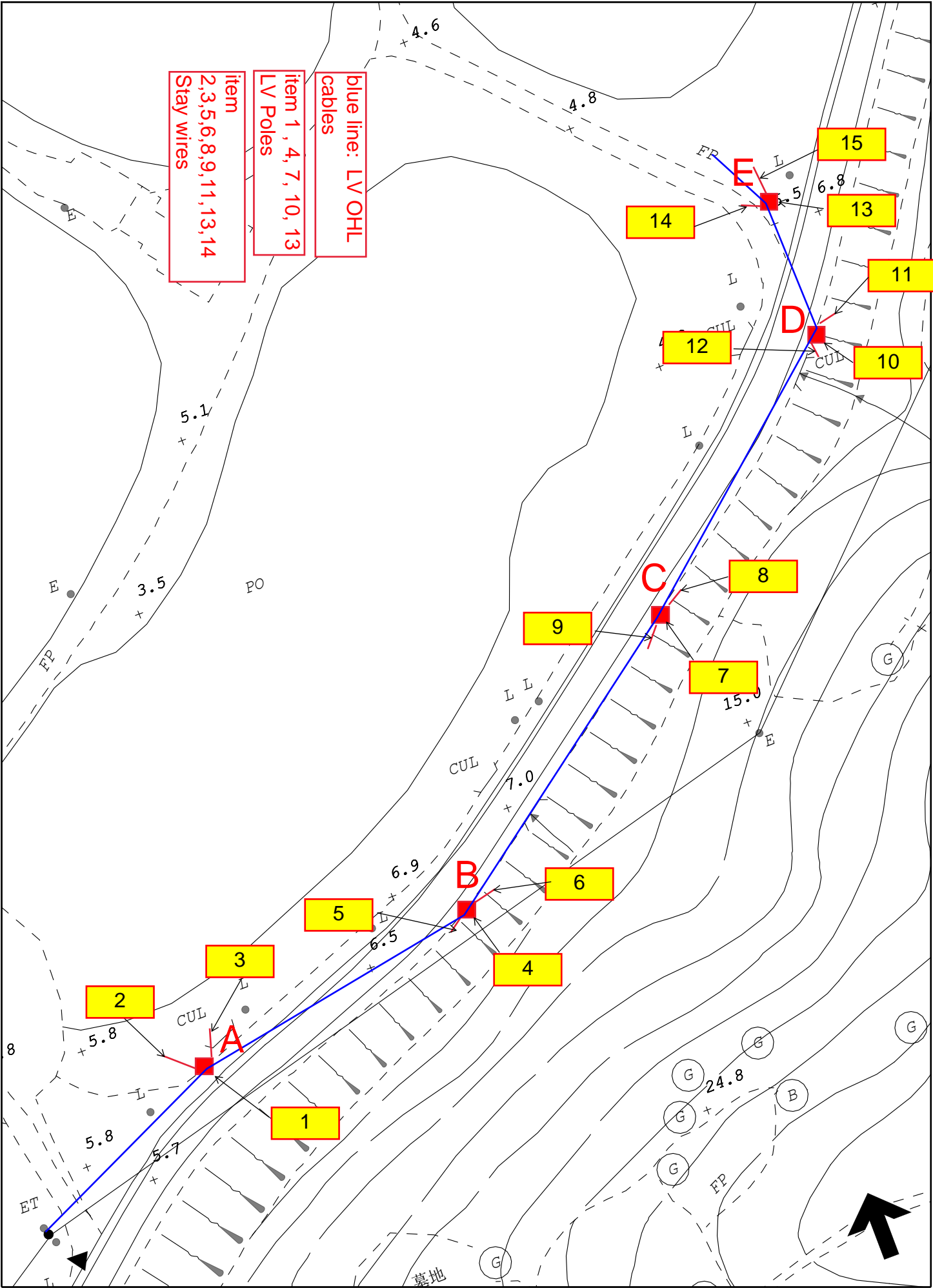
DRG. NO.	T	GEN	5	1	2	2	0	D	E	3	3	0	0	2	4	0	1	G	A
----------	---	-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

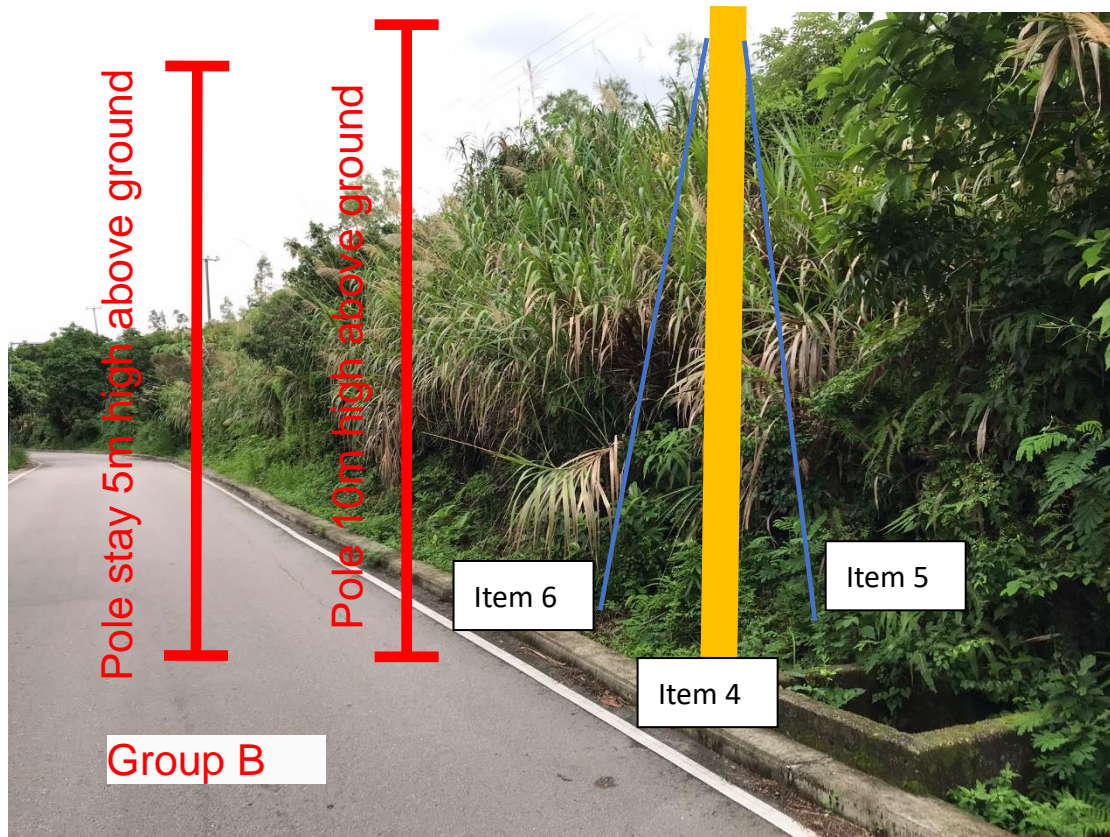
INFORMATION CLASS: PROPRIETARY

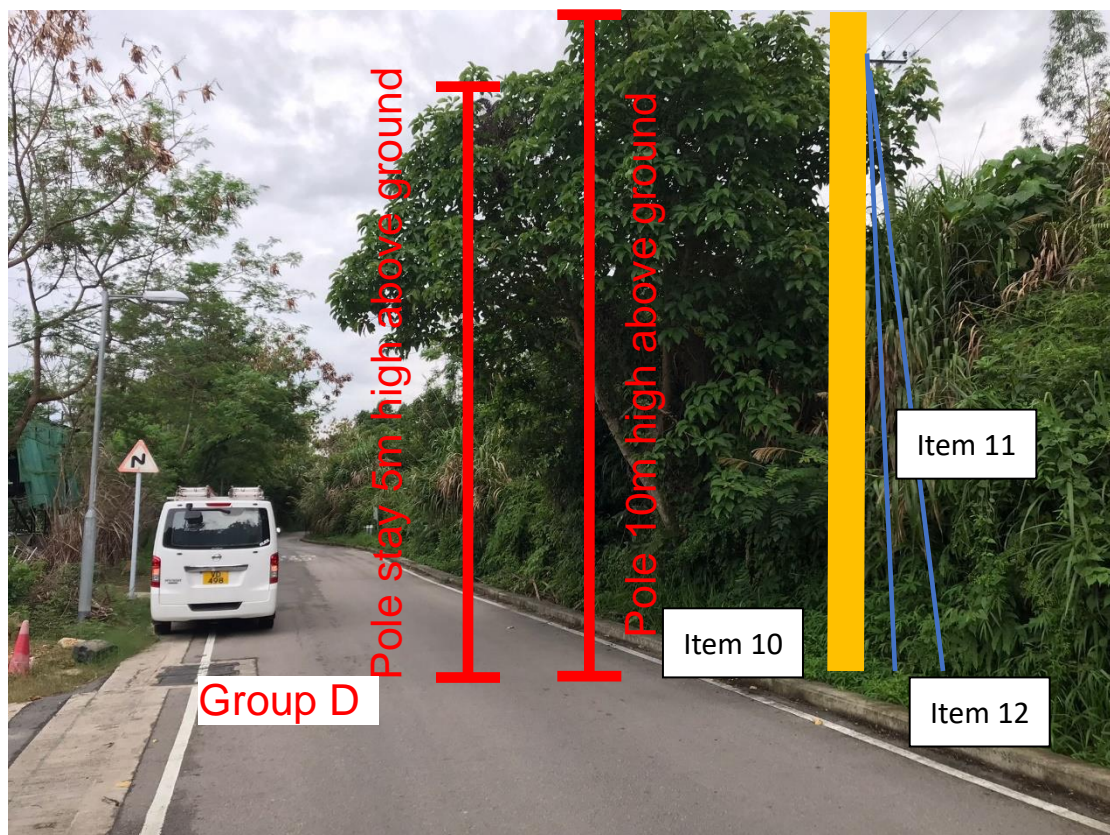
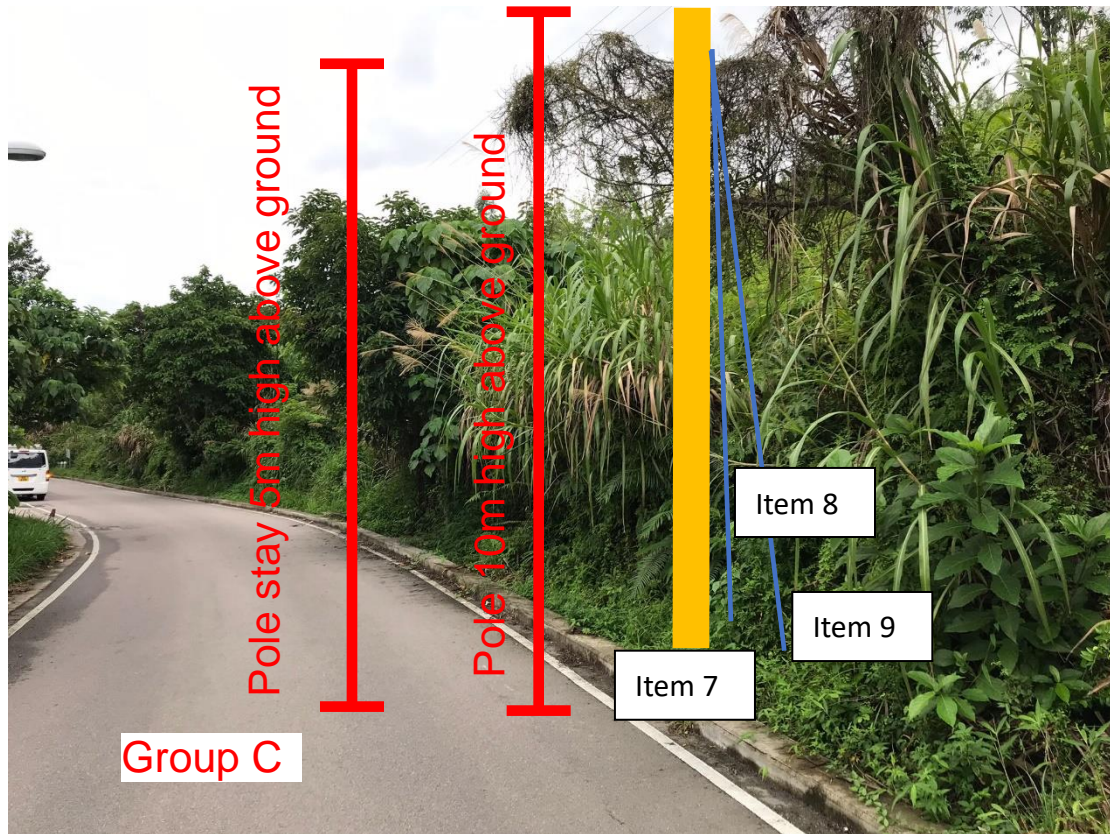
ALL RIGHTS RESERVED AND REPRODUCTION IN ANY FORM MUST BE APPROVED BY CLP POWER

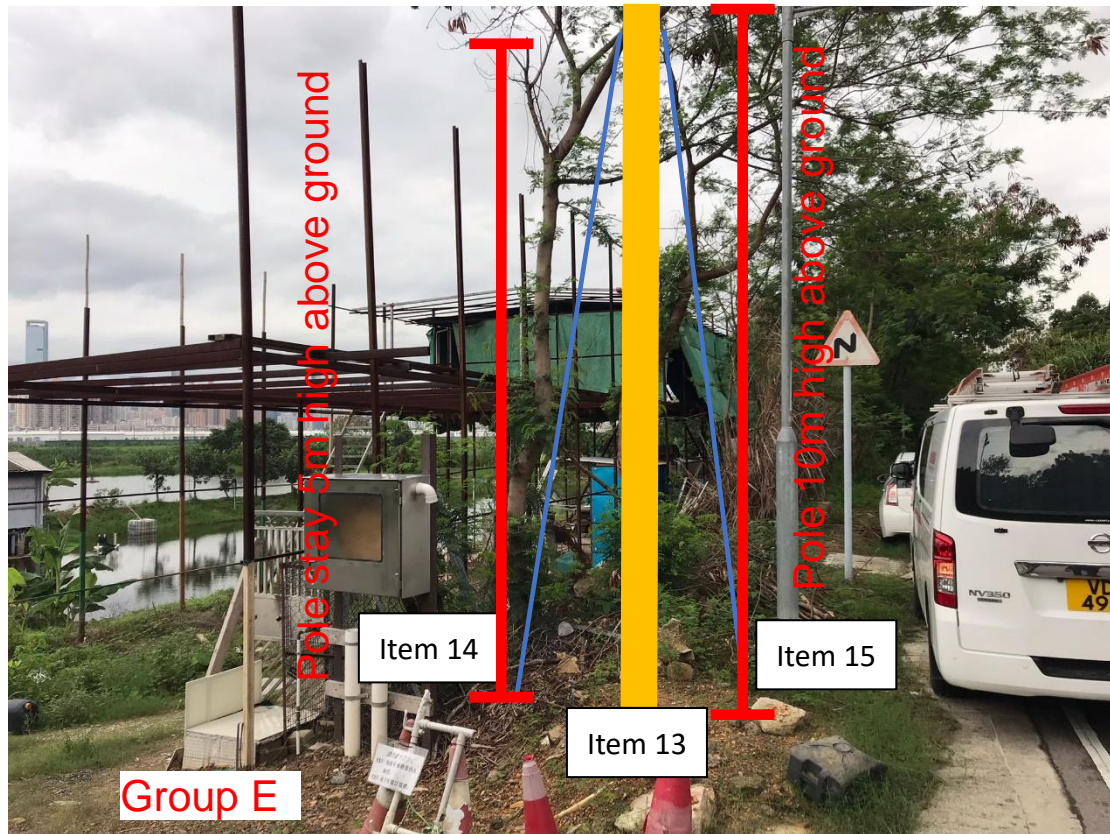
Drg No. 01 G A

Location Plan of the Pole and Pole Stay









16 November 2023

Planning Department
Town Planning Board
15th Floor, North Point Government Offices,
333 Java Road,
North Point, Hong Kong

Attention: Ch Town Plnr

Dear Sir/Madam,

Supplementary information with No. A/YL-ST/661 Application

We are writing to inform that we will be submitting supplementary information to support my application for No. A/YL-ST/661. The additional information will provide a comprehensive overview of the application.

Thank you for your attention to this matter. We are looking forward to the opportunity to discuss qualifications and any additional information you may think is necessary. Should you require any further information or documentation, please do not hesitate to contact authorized agent Cathy Cheng on behalf of Kum Shing Engineering Co. Ltd. In phone number [REDACTED] or email [REDACTED]

Yours sincerely,
Cathy Cheng

Date: 13 November 2023

Statement of the Proposed Public Utility Installation and Filling/Excavation in
"Conservation Area" and "Green Belt" Zones, Government Land in D.D. 96, Lok
Ma Chau, San Tin, Yuen Long

Environment Protection considerations

The following measures will be carried out during construction and operation stages to address potential water quality impact:

In the construction phase, to minimize the potential water quality impacts while excavation work, the extracted sediment would place in a bag and transported to a specific disposal area to prevent eroded soil from entering nearby water bodies;

The relevant regulations, best practices and guidelines, such as WPCO, ProPECC PN 1/94 "Construction Site Drainage" and Best Management Practices (BMPs) for stormwater discharge etc. would be followed; and

The works area would be reinstated and there would not be any discharge during operation phase.

Traffic consideration

For the work site next to a "One-lane-two-way" road, the installation work for one pole would require less than 10 minutes for crane lorry installation. For the parking of the crane lorry would stand by at the passing place and wait for the installation work to reduce obstruct time of the traffic. While work 2 side of the road would have workers directs traffic.

Transportation considerations

As Ha Wan Tsuen East Road is a prohibited zone 24 hours daily for all motor vehicles exceeding 8 metres in length; the transportation of pole would be using 5.5 tons crane and the length of the crane is less than 8 metres and the pole placing slanted that the length while transport is less than 8 metres for pole stay were using flexible wire.

For the installation for 5 poles, it takes a round trip per location, the total trip would be around 10 trips for the work.

After prepared the pole hole the pole would install in the pole hole than the unloading area of other material would be around 2 metres by 2 metres.

20 February 2024

Planning Department
Town Planning Board
15th Floor, North Point Government Offices,
333 Java Road,
North Point, Hong Kong

Attention: Ch Town Plnr

Dear Sir/Madam,

Supplementary information with No. A/YL-ST/661 Application

We are writing to inform that this submitting supplementary information to support my application for No. A/YL-ST/661. The additional information will provide a comprehensive overview of the application.

With the request from CLP for a new application for electricity supply public utility installations of poles and poles stay erection in Lok Ma Chau Road. The planning of the development proposal had considered minimizing the impacts to the surroundings and the overhead line had limited impact to the nearby tree. The working hours would be scheduled from 8:00 to 18:00 with the work period within a month.

With the information provided by the requester from DD96 Lot 1808 for a new electricity supply, the electricity supply would be used to improve the nearby drainage system to prevent flooding and related safety and environmental issues. From the experience of flooding and landslips the development of the electricity supply is important to prevent any potential danger.

Thank you for your attention to this matter.

TREE SURVEY REPORT

Planning Application No. A/YL-ST/661 on government land in
DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL
(proposed filling & excavation of land for Pole & Stay Erection)

2024 February

Project Title	Planning Application No. A/YL-ST/661 on government land in DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL (proposed filling & excavation of land for Pole & Stay Erection)
Report Title	Tree Survey Report
Revision	0
Date of Issue	08 February 2024

CONTENTS

1.0	Introduction
2.0	Objectives
3.0	Description of the Site and the Proposed Works
4.0	Existing Trees affected by the Proposed Works
5.0	Conclusion

APPENDICES

- I Tree Survey Plan
- II Tree Survey Schedule
- III Tree Photographs

1 Introduction

This Tree Survey Report (TSR) is prepared to determine the impact on tree that will result from the construction and operation of filling & excavation of land for Pole & Stay Erection.

2 Objectives

This report has the following objectives:

- To record the findings of the tree survey in terms of the construction and operation work site potential affect area of each individual tree (refer to Appendices I, Tree Survey Plan; II, Tree Survey Schedule and III, Tree Photographs)

3 Description of the Site and the Proposed Works

The site located in Lok Ma Chau Tsuen. The project is to construction for Pole & Stay Erection. Justification and details of the project is described in appendices I.

4 Existing Trees affected by the Proposed Work

4.1 General

A total number of 51 trees were recorded within the Works Area.

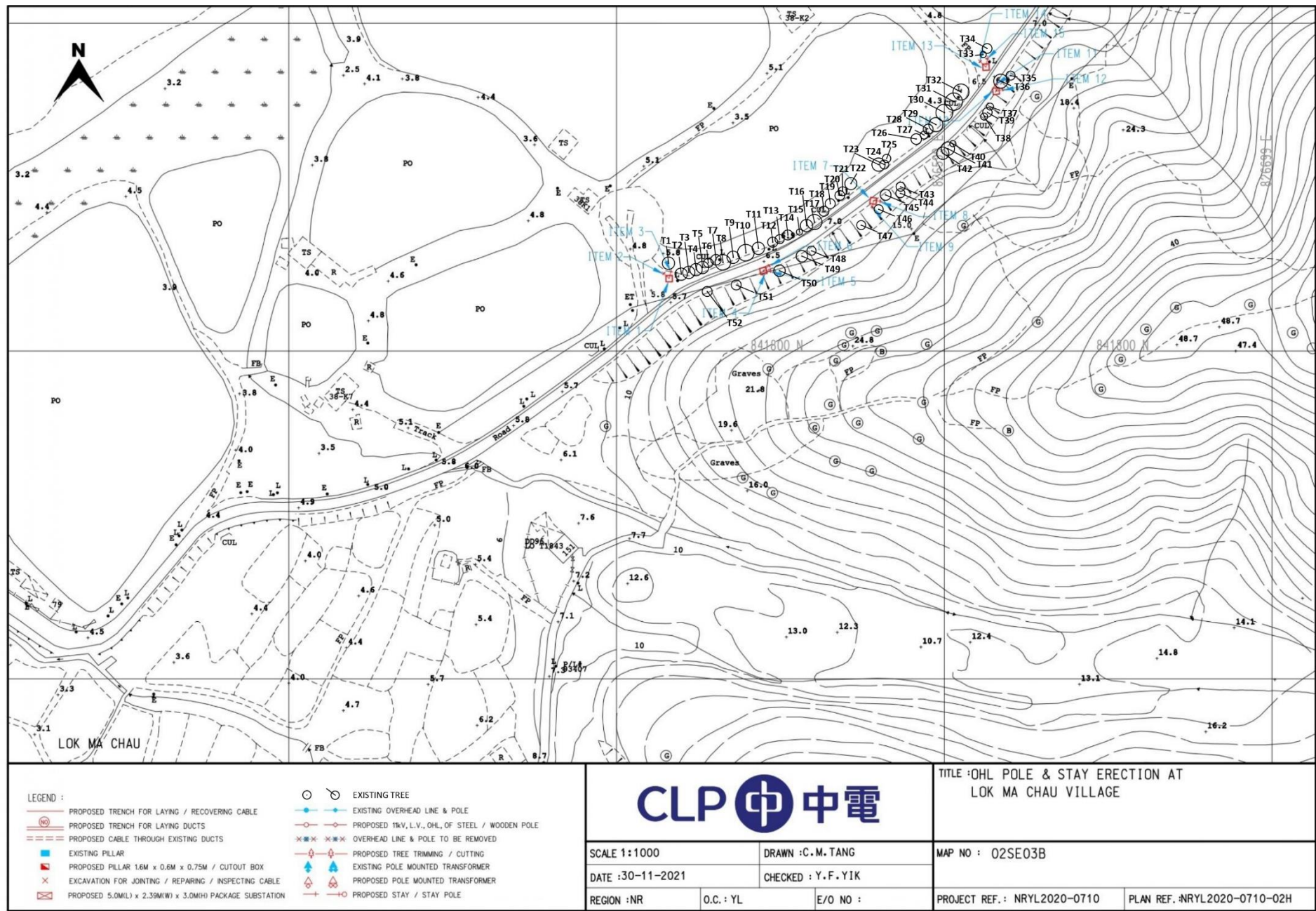
4.2 Proposed Work affect

With the proposed overhead line work, the pole and the overhead line would affect at high over 8.5m, with a total number of 51 trees the highest tree is T17 8m high, and the proposed work effects on the near trees are limited.

5 Conclusion

The proposed filling & excavation of land for Pole & Stay Erection in Lok Ma Chau Tsuen does not affect the nearby trees.

APPENDIX I Tree Survey Plan



















APPENDIX II Tree Survey Schedule



Tree No.	Visual height (M)	Tree No.	Visual height (M)
T1	2.2	T27	3.7
T2	5	T28	5
T3	4.8	T29	5
T4	4.3	T30	4
T5	4	T31	3.8
T6	1.7	T32	6.5
T7	4	T33	7
T8	5.5	T34	9
T9	5.4	T35	5
T10	4	T36	7
T11	4	T37	6
T12	6.3	T38	6
T13	5	T39	6.5
T14	2.5	T40	7
T15	2.4	T41	6.5
T16	4	T42	5
T17	8	T43	4
T18	2.5	T44	4
T19	2.5	T45	3.8
T20	8	T46	4
T21	3.4	T47	4.2
T22	3.3	T48	5
T23	3.3	T49	3
T24	4.7	T50	6.6
T25	2	T51	6.5
T26	2		

APPENDIX III Tree Photographs









			
T1	T2	T3	T4
			
T5	T6	T7	T8





			
T9	T10	T11	T12
			
T13	T14	T15	T16

 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>	 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>	 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>	 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>
T17	T18	T19	T20
 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>	 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>	 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>	 <p>A photograph of a tree with a thick, gnarled trunk and a dense canopy of green leaves. The tree is situated on a sandy bank next to a body of water. The sky is blue with some clouds.</p>
T21	T22	T23	T24

			
T25	T26	T27	T28
			
T29	T30	T31	T32

			
T33	T34	T35	T36
			
T37	T38	T39	T40

			
T41	T42	T43	T44
			
T45	T46	T47	T48

			
T49	T50	T51	T52

-End-

☒Urgent ☐Return receipt ☐Expand Group ☐Restricted ☐Prevent Copy ☐Confidential

From: [REDACTED]
Sent: 2024-10-22 星期二 16:11:18
To: [REDACTED]
Subject: tpbpd/PLAND <tpbpd@pland.gov.hk>
Further submission for S.16 Planning Application No. A/YL-ST/661
Attachment: Tree Survey at LOK MA CHAU TSUEN v2.pdf

Dear Sir/Madam,

We are writing to submit the further information for S.16 Planning Application No. A/YL-ST/661
(Tree Survey Report).

Supplementary Information:

Working Date & Hour : Mon -Fri, 8 am – 6pm

Overhead Line Cables, Poles and Stays not affect trees nearby.

Thanks.

Best regards,

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

[REDACTED]
[REDACTED]
Kum Shing Group 金城營造集團



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


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TREE SURVEY REPORT

Project Location:	PLANNING APPLICATION NO. A/YL-ST/661 ON GOVERNMENT LAND IN DD96 (NEAR DD96 LOT 1808 - 1813) LOK MA CHAU TSUEN, YL
Inspection Date:	19 April 2024

Contents

1.	Tree Survey Summary & Recommendation
2.	Site and Tree Location Plan
3.	Tree Survey Schedule
4.	Tree Survey Photographic Record



Chris Lau
UKAA Technician Member
(Member No. TE5462)
Date: 13 May 2024

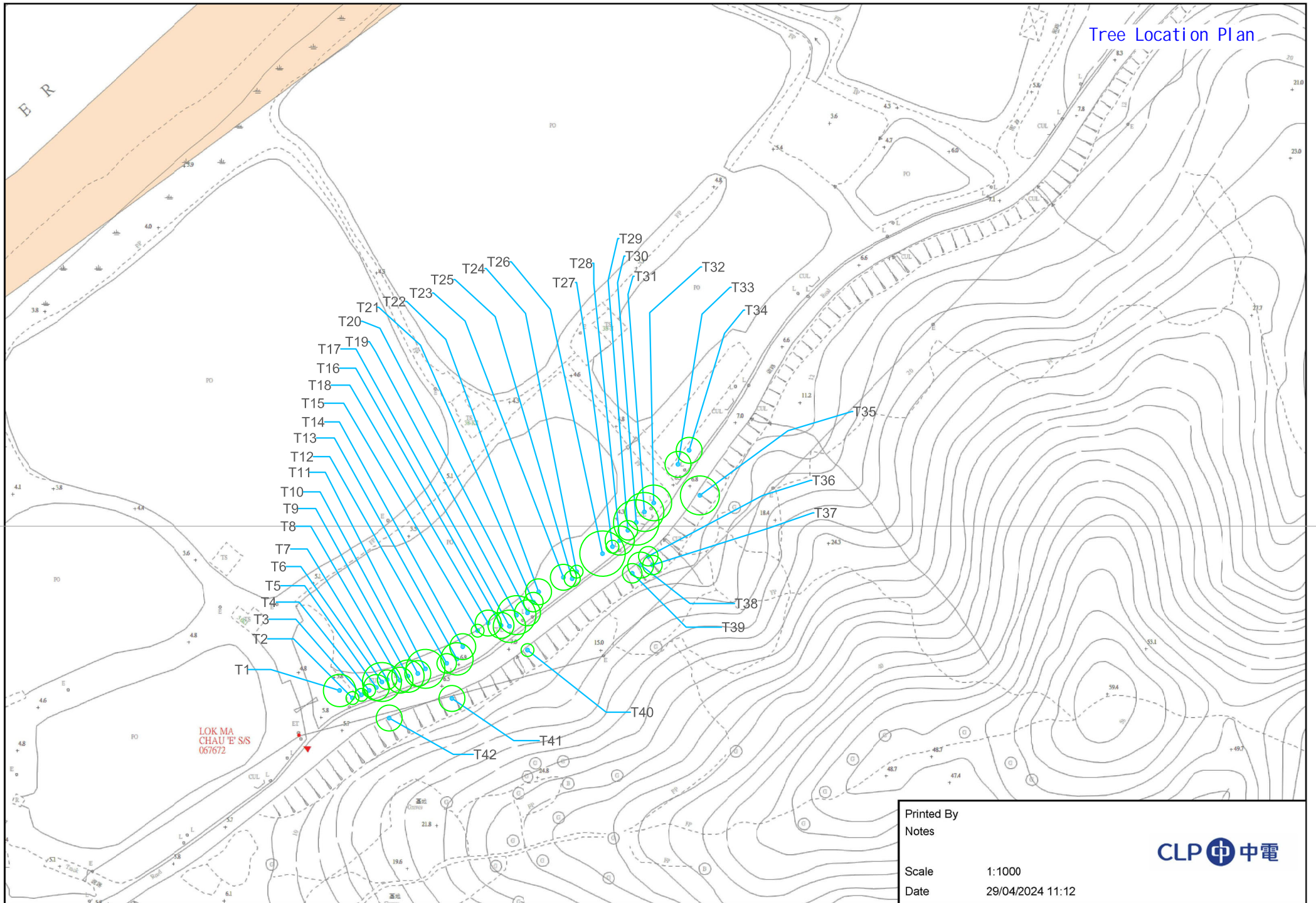
Tree Survey Summary and Recommendation

1. The tree survey location is at land in DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL.
2. Total of 42 existing trees are surveyed.
3. All the surveyed trees are common species.
4. All the trees located in a landscaped area.
5. There is no tree with cultural, historic or conservation value on the site.
6. No Old and Valuable Trees (OVT), rare species (as defined by AFCD's Rare and Precious Plants in Hong Kong) is found on the survey area.
7. No Champion Trees is found on the survey area.
8. A summary of the effects of Works on individual tree is provided in Table 1

Table 1 - Summary of Affected Trees

Tree Species	Chinese Names	Overall tree Condition	Total Surveyed trees	Nos. of trees to be Retain
Bombax ceiba	木棉	Fair	1	1
Bougainvillea spectabilis	簕杜鵑	Fair	1	1
Celtis sinensis	朴樹	Fair	1	1
Dead tree	/	/	1	1
Ficus hispida	對葉榕	Fair	5	5
Ficus variegata	青果榕	Fair	4	4
Leucaena leucocephala	銀合歡	Fair	9	9
Macaranga tanarius	血桐	Fair	12	12
Melia azedarach	苦楝	Fair	2	2
Musa x paradisiaca	大蕉	Fair	4	4
Sapium sebiferum	烏柏	Fair	1	1
Schefflera heptaphylla	鵝掌柴(鴨腳木)	Fair	1	1
		Total	42	42

Tree Location Plan



Printed By
Notes

Scale 1:1000

Date 29/04/2024 11:12

CLP 中電

Tree Assessment Schedule

Project Title: Planning Application No. A/YL-ST/661 on government land in DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL

Date of Tree Survey: 19 Apr 2024

Surveyor: Chan Man Chung (CA No.: HK-1607A)

Surveyed by: Tarzan Landscape Contractors Ltd.

Tree No. ¹	Photo No.	Species ²		Measurement			Amenity value ⁴	Form	Health condition	Structural condition	Suitability for transplanting ⁵		Conservation status ⁷	Recommendation	Department to provide expert advice to Lands D	Additional Remarks ⁸
		Scientific name	Chinese name	Height (m)	DBH ³ (mm)	Crown spread (m)	(good/fair/poor)				(high/medium/low)	Remarks ⁶		(retain/transplant/fell)		
T001	T001	<i>Bougainvillea spectabilis</i>	簕杜鹃	3.5	96	5	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T002	T002	<i>Musa x paradisiaca</i>	大蕉	4.5	103	2	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T003	T003	<i>Musa x paradisiaca</i>	大蕉	4	241	2	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T004	T004	<i>Musa x paradisiaca</i>	大蕉	4	172	2	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T005	T005	<i>Musa x paradisiaca</i>	大蕉	4	156	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T006	T006	<i>Ficus hispida</i>	對葉榕	4	156	6	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T007	T007	<i>Macaranga tanarius</i>	血桐	5	137	3	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T008	T008	<i>Macaranga tanarius</i>	血桐	5	198	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Wound wood
T009	T009	<i>Macaranga tanarius</i>	血桐	4.5	205	5	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T010	T010	<i>Macaranga tanarius</i>	血桐	4.5	228	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T011	T011	<i>Leucaena leucocephala</i>	銀合歡	9	346	6	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Broken branch
T012	T012	<i>Leucaena leucocephala</i>	銀合歡	8	96	3	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T013	T013	<i>Melia azedarach</i>	苦楝	9	223	5	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T014	T014	<i>Ficus hispida</i>	對葉榕	4	179	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T015	T015	<i>Leucaena leucocephala</i>	銀合歡	5	106	2	Poor	Fair	Poor	Fair	low	NA	NIL	retain	NA	Serious dieback
T016	T016	<i>Schefflera heptaphylla</i>	鵝掌柴(鴨腳木)	3	118	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T017	T017	<i>Leucaena leucocephala</i>	銀合歡	9	256	5	Poor	Fair	Fair	Poor	low	NA	NIL	retain	NA	Broken branch
T018	T018	<i>Leucaena leucocephala</i>	銀合歡	8	220	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T019	T019	<i>Macaranga tanarius</i>	血桐	4	260	6	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Heavily climbing plants
T020	T020	<i>Leucaena leucocephala</i>	銀合歡	6	273	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T021	T021	<i>Dead tree</i>	/	3.5	187	3	Fair	Fair	Poor	Fair	low	NA	NIL	retain	NA	Dead tree
T022	T022	<i>Leucaena leucocephala</i>	銀合歡	6	158	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Heavily climbing plants
T023	T023	<i>Ficus hispida</i>	對葉榕	3.5	324	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T024	T024	<i>Ficus variegata</i>	青果榕	3	166	2	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T025	T025	<i>Sapium sebiferum</i>	烏桕	3.5	152	2.5	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Heavily climbing plants
T026	T026	<i>Macaranga tanarius</i>	血桐	5	245	7	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Broken branch
T027	T027	<i>Ficus variegata</i>	青果榕	3	162	2	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Heavily climbing plants
T028	T028	<i>Macaranga tanarius</i>	血桐	4	269	4.5	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T029	T029	<i>Celtis sinensis</i>	朴樹	7	124	3	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	

Tree Assessment Schedule

Project Title: Planning Application No. A/YL-ST/661 on government land in DD96 (Near DD96 Lot 1808 - 1813) Lok Ma Chau Tsuen, YL

Date of Tree Survey: 19 Apr 2024

Surveyor: Chan Man Chung (CA No.: HK-1607A)

Surveyed by: Tarzan Landscape Contractors Ltd.

Tree No. ¹	Photo No.	Species ²		Measurement			Amenity value ⁴	Form	Health condition	Structural condition	Suitability for transplanting ⁵		Conservation status ⁷	Recommendation	Department to provide expert advice to Lands D	Additional Remarks ⁸
		Scientific name	Chinese name	Height (m)	DBH ³ (mm)	Crown spread (m)	(good/fair/poor)				(high/medium/low)	Remarks ⁶		(retain/transplant/fell)		
T030	T030	Macaranga tanarius	血桐	6.5	270	7	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T031	T031	Macaranga tanarius	血桐	5	320	6	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T032	T032	Macaranga tanarius	血桐	4.5	210	5.5	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T033	T033	Leucaena leucocephala	銀合歡	6	184	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T034	T034	Leucaena leucocephala	銀合歡	9	261	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T035	T035	Ficus variegata	青果榕	8	322	6	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Wound wood
T036	T036	Ficus hispida	對葉榕	6	120	3	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T037	T037	Macaranga tanarius	血桐	6	145	3	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T038	T038	Ficus variegata	青果榕	7	233	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T039	T039	Macaranga tanarius	血桐	7	126	3	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T040	T040	Ficus hispida	對葉榕	5	106	2	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	Serious dieback
T041	T041	Melia azedarach	苦楝	8.5	203	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	
T042	T042	Bombax ceiba	木棉	8	214	4	Fair	Fair	Fair	Fair	low	NA	NIL	retain	NA	

1 Tree(s) in the Register of Old and Valuable Trees should be Goodlighted with OVT number.

2 Guidance on proper use of scientific name of plants is given in the Agriculture, Fisheries and Conservation Department's Nature Conservation Practice Note No. 3, which can be viewed at

3 DBH of a tree refers to its diameter at breast height (i.e. measured at 1.3 m above ground level). Guidance on DBH measurement is given in the Agriculture, Fisheries and Conservation

4 Amenity value of a tree should be assessed by its functional values for shade, shelter, screening, reduction of pollution and noise and also its fung shui significance, and classified into

Good: important trees which should be retained by adjusting the design layout accordingly.

Fair: trees that are desirable to be retained in order to create a pleasant environment, which includes healthy specimens of lesser importance than "Good" trees.

Poor: trees that are dead, dying or potentially hazardous and should be removed.

5 Assessment shall take into account conditions of an individual tree at the time of survey (including health, structure, age and root conditions), site conditions (including topography and

6 Major determining factors for the rating on suitability for transplanting should be included if necessary.

7 State the rarity and protection status of the species. Appendix A.III.(i) g. provides more details.

8 Any additional information deemed necessary for consideration of the proposed management recommendation.

Photographic records



T001 – Tree tag



T001 – Overview



T002 – Tree tag



T002 – Overview



T003 – Tree tag



T003 – Overview



T004 – Tree tag



T004 – Overview



T005 – Tree tag



T005 – Overview



T006 – Tree tag



T006 – Overview



T007 – Tree tag



T007 – Overview



T008 – Tree tag



T008 – Overview



T008 – Wound wood



T008 – Closer view



T009 – Tree tag



T009 – Overview



T010 – Tree tag



T010 – Overview



T011 – Tree tag



T011 – Overview



T011 – Broken branch



T011 – Closer view



T012 – Tree tag



T012 – Overview



T013 – Tree tag



T013 – Overview



T014 – Tree tag



T014 – Overview



T015 – Tree tag



T015 – Overview



T015 – Serious dieback



T015 – Closer view



T016 – Tree tag



T016 – Overview



T017 – Tree tag



T017 – Overview



T017 – Broken branch



T017 – Closer view



T017 – Decay basal trunk



T017 – Closer view



T018 – Tree tag



T018 – Overview



T019 – Tree tag



T019 – Overview



T019 – Heavily climbing plants



T019 – Closer view



T020 – Tree tag



T020 – Overview



T021 – Tree tag



T021 – Overview



T022 – Tree tag



T022 – Overview



T022 – Heavily climbing plants



T022 – Closer view



T023 – Tree tag



T023 – Overview



T024 – Tree tag



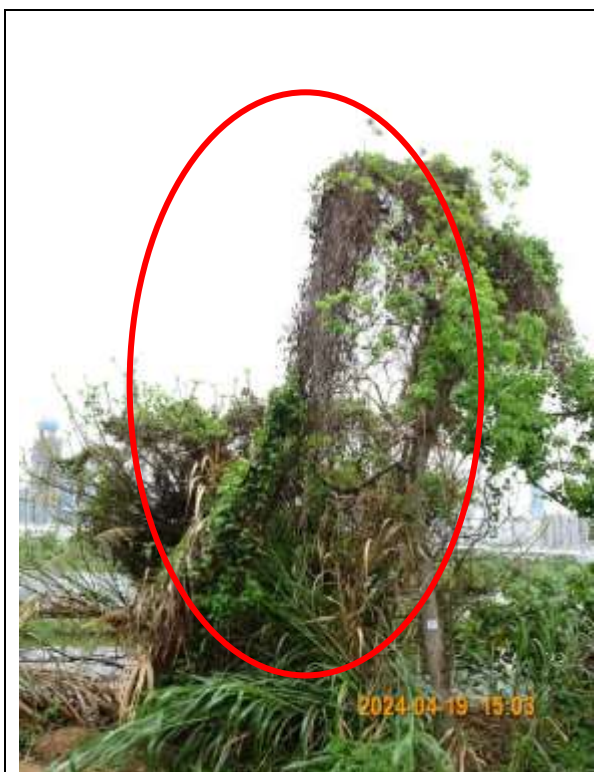
T024 – Overview



T025 – Tree tag



T025 – Overview



T025 – Heavily climbing plants



T025 – Closer view



T026 – Tree tag



T026 – Overview



T026 – Broken branch



T026 – Closer view



T027 – Tree tag



T027 – Overview



T027 – Heavily climbing plants



T027 – Closer view



T028 – Tree tag



T028 – Overview



T029 – Tree tag



T029 – Overview



T030 – Tree tag



T030 – Overview



T031 – Tree tag



T031 – Overview



T032 – Tree tag



T032 – Overview



T033 – Tree tag



T033 – Overview



T034 – Tree tag



T034 – Overview



T035 – Tree tag



T035 – Overview



T035 – Wound wood



T035 – Closer view



T036 – Tree tag



T036 – Overview



T037 – Tree tag



T037 – Overview



T038 – Tree tag



T038 – Overview



T039 – Tree tag



T039 – Overview



T040 – Tree tag



T040 – Overview



T040 – Serious dieback



T040 – Closer view



T041 – Tree tag



T041 – Overview



T042 – Tree tag



T042 – Overview

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

According to TPB PG-No. 12C, the Site falls within the Wetland Buffer Area (WBA). Extracts of land use concept and development guidelines are summarised as follows:

Wetland Buffer Area

- (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.
- (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.

Appendix A

List of Uses Exempted from Ecological Impact Assessment within the Wetland Buffer Area

For planning applications involving uses/development within the Wetland Buffer Area, the following uses/development are exempted from the requirement of ecological impact assessment as part of the submission to the Board :

- Temporary Uses
- Agricultural Use (except in SSSI Zone)
- Ancestral Hall
- Bank#
- Barbecue Spot
- Barber Shop#
- Beauty Parlour#
- Burial Ground
- Clinic/Polyclinic*
- Electricity Substation of single storey
- Government Refuse Collection Point^
- House (Alteration, modification and/or redevelopment to the existing building bulk only)
- New Territories Exempted Houses
- Off-Course Betting centre#
- On-farm Domestic Structure
- Photographic Studio#
- Playground/Playing Field in “V” and “R(D)” zones
- Police Post/Police Reporting Centre
- Post Office*
- Private Club#
- Public Convenience
- Public Library*
- Public Utility Installation (electricity mast, lamp pole, pipeline and telephone booth only)^
- Pumping Station of single storey
- Refreshment Kiosk
- Retail Shop#
- School*
- Showroom excluding Motor-vehicle Showroom#
- Shrine
- Social Welfare Facility*
- Tent Camping Site

Note:

other than free-standing building

* other than free-standing building exceeding 3 storeys

^ not applicable to the “Other Specified Uses” annotated “Eco-lodge” zone on the Ma Tso Lung and Hoo Hok Wai Outline Zoning Plan

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

The relevant assessment criteria are as follows:

- (a) there is a general presumption against development (other than redevelopment) in a “Green Belt” (“GB”) zone. In general the Town Planning Board will only be prepared to approve applications for development in the context of requests to re-zone to an appropriate use;
- (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. The scale and intensity of the proposed development including the plot ratio, site coverage and building height should be compatible with the character of surrounding areas;
- (c) applications for government/institution/community uses and public utility installations must demonstrate that the proposed development is essential and that no alternative sites are available;
- (d) the design and layout of any proposed development should be compatible with the surrounding areas. 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;
- (e) the proposed development should not overstrain the capacity of existing and planned infrastructure such as sewerage, road and water supply. It should not adversely affect drainage or aggravate flooding in the area;
- (f) 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
- (g) any proposed development on a slope or hillside should not adversely affect slope stability.

Previous s.16 Applications covering the Application Site

Rejected Applications

No.	Application No.	Use(s)/Development(s)	Date of Consideration (RNTPC)
1.	A/YL-ST/618	Proposed Public Utility Installation (Pole and Pole Stay Erection) and associated Filling and Excavation of Land	3.2.2023
2.	A/YL-ST/653	Proposed Public Utility Installation (Pole and Pole Stay Erection) and associated Filling and Excavation of Land	28.7.2023

Rejection Reasons:

- (1) the proposed installation works and the associated excavation and filling of land were not in line with the planning intention of the “Conservation Area” (“CA”) zone which is to conserve the ecological value of wetland and fish ponds which form an integral part of the wetland ecosystem in the Deep Bay Area and that of “Green Belt” (“GB”) zone which is to define the limits of urban and sub-urban development areas by natural features and to contain urban sprawl as well as to provide passive recreational outlets. The applicant failed to demonstrate that the proposed development is essential to support a permitted use within the “CA” zone, which warranted a departure from the planning intentions of both “CA” and “GB” zones.
- (2) the proposed installation works and the associated excavation and filling of land were not in line with Town Planning Board Guidelines No. 12C (TPB PG-No. 12C) and TPB-PG No. 10 in that the applicant failed to demonstrate that there are exceptional circumstances and strong planning grounds for the proposed development in the “GB” zone.

**Similar s.16 Application within the “CA” Zone in the vicinity of the Site
on the San Tin Technopole Outline Zoning Plan in the Past Five Years**

Approved Application

No.	Application No.	Use(s)/Development(s)	Date of Consideration (RNTPC)
1.	A/YL-ST/612	Proposed Public Utility Installation (Underground Cables) and associated Filling and Excavation of Land	10.6.2022

Government Departments' General Comments

1. Land Administration

Comments of the District Lands Officer/Yuen Long of Lands Department (LandsD):

- no objection to the application;
- from desktop checking, the application sites (the Sites) fall on Government Land, and would affect portions of Slope Features Nos. 2SE-B/C296 & 2SE-B/C305(1). As advised by the Slope Maintenance Section of LandsD, the maintenance responsibility of the above said portions of slope features being affected would be assigned to the applicant should the applicant carry out the works thereon; and
- advisory comments are detailed in **Appendix V**.

2. Traffic

Comments of the Commissioner for Transport:

- no comment on the application from traffic engineering point of view; and
- advisory comments are detailed in **Appendix V**.

Comments of the Chief Highway Engineer/New Territories West of Highways Department (HyD):

- no adverse comment on the application from highways maintenance point of view; and
- advisory comments are detailed in **Appendix V**.

Comments of the Chief Engineer/Railway Development 1-1, Railway Development Office of HyD:

- no adverse comment on the application from railway development viewpoint;
- the Sites are in close proximity to the Northern Link Spur Line alignment which is under development by the Mass Transit Railway Corporation Limited; and
- advisory comments are detailed in **Appendix V**.

3. Environment

Comments of the Director of Environmental Protection (DEP):

- no environmental complaint relating to the Sites was recorded in the past three years; and
- the applicant advised that during the construction phase, mitigation measures 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, he has no objection to the planning application.

4. Nature Conservation

Comments of the Director of Agriculture, Fisheries and Conservation:

- no strong view on the application concerning the proposed installation of pole and pole stays given that the construction time is short and no wetland habitat will be directly impacted.

5. Landscape

Comments of the Chief Town Planner/Urban Design and Landscape of Planning Department:

- no objection to the application from landscape planning perspective;
- with reference to the site visit on 22.11.2023, the Sites are vacant with self-seeded vegetation. Existing trees are observed near some locations of the Sites (i.e. items 4 to 6 and 10 to 15) of the Sites. Given the relative small scale and nature of the proposed works, significant adverse impact on the existing landscape character and resources due to the proposed utility installation and excavation works is not anticipated; and
- advisory comments are detailed in **Appendix V**.

6. Geotechnical Aspect

Comments of the Head of the Geotechnical Engineering Office of Civil Engineering and Development Department:

- no comment on the application and the submitted geotechnical planning review report; and
- it is unlikely that the flooding/drainage issue in Lot 1808 in D.D.96 would affect the slope stability of Feature No. 2SE-B/C305 and the natural terrain above.

7. Electricity Supply

Comments of the Director of Electrical and Mechanical Services:

- no particular comment on the application from electricity supply safety aspect; and
- advisory comments are detailed in **Appendix V**.

8. Other Departments

The following government departments have no objection to/no adverse comment on the application:

- (a) Project Manager (North), North Development Office of Civil Engineering and Development Department (CEDD);
- (b) Project Manager (West), West Development Office of CEDD;
- (c) Chief Engineer/Construction of Water Supplies Department;
- (d) Director of Fire Services;
- (e) Chief Building Surveyor/New Territories West of Buildings Department;
- (f) Commissioner of Police; and
- (g) District Officer (Yuen Long) of Home Affairs Department.

Recommended Advisory Clauses

- (a) To note the comments of the District Lands Officer/Yuen Long of Lands Department (DLO/YL of LandsD) that:
- should the planning application be approved, 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 Director of Environmental Protection 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), 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;
- (c) to note the comments of Chief Town Planner/Urban Design and Landscape of Planning Department that:
- 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
 - approval of the application does not imply approval of tree works, if any, 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;
- (d) to note the comments of the Commissioner for Transport that:
- no vehicle is allowed to queue back to or reverse onto/from public road at any time during the construction period;
- (e) to note the comments of the Chief Engineer/Mainland North of Drainage Services Department (DSD) that:
- 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 application sites (the Sites), the applicant shall ensure that there will be no adverse drainage impact to the adjoining areas and drainage facilities in the vicinity;

- (f) to note the comments of the Chief Highway Engineer/New Territories West of Highways Department (HyD) that:
- HyD shall not be responsible for the maintenance of any access connecting the Sites and Lok Ma Chau Road; and
 - adequate drainage measures should be provided to prevent surface water running from the Sites to nearby public roads and drains;
- (g) to note the comments of the Chief Engineer/Railway Development 1-1, Railway Development Office of HyD that:
- the applicant is required to consult the Mass Transit Railway Corporation Limited (MTRCL) with respect to the design and construction of the proposed works, whether it would affect the Northern Link (NOL) Spur Line; and
 - deep foundation such as piling is not permitted at the Sites unless MTRCL's agreement is sought; and
 - as the detailed design of NOL Spur Line project has not commenced, MTRCL or HyD may provide further comment on the project in future; and
- (h) to note the comments of the Director of Electrical and Mechanical Services that:
- in the interests of public safety and ensuring the continuity of electricity supply, the applicant concerned with planning, designing, organizing and supervising any activity near the underground cable or overhead line under the mentioned document should approach the electricity supplier (i.e. CLP Power) for the requisition of 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 Sites. 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

REF (52) IN HAND YL CAD 17-45/45/14/37

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/661

意見詳情 (如有需要，請另頁說明)

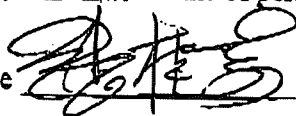
Details of the Comment (use separate sheet if necessary)

本工程因為對正山上本村視境，影響兩米闊
題，可以移控置於後路地底，請另行通知

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

張桂芳

簽署 Signature



日期 Date

30/11/2023

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



A/YL-ST/661 DD 96 San Tin Wetlands CLP
07/12/2023 03:19

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

Dear TPB Members,

653 rejected for same reasons on 28 July. There is no justification to a further application.

Mary Mulvihill

From:
To: tpbpd <tpbpd@pland.gov.hk>
Date: Thursday, 6 July 2023 1:56 AM HKT
Subject: A/YL-ST/653 DD 96 San Tin Wetlands CLP

Dear TPB Members,
Rejected 3/2/23

The applicant advises that electricity supply is required for the proposed fish farming at the private lot located in the same "CA" zone (i.e. Lot 1808 in D.D. 96) (Plans A-2 to A-4) which is located on the bund of an existing pond. The fish farming will be conducted by installation of two canvas tanks. Although 'Agricultural Use (Fish Pond Culture only)' is permitted within the "CA" zone, 'Fish Pond Culture' excludes fish rearing facilities such as concrete pools or tanks according to the Definitions of Terms published by the Board. In other words, **the intended fish farming purpose indicated by the applicant is not a use that is always permitted within the "CA" zone.**

There can be no material change in circumstances in such a short period so the new application has no merit.

Mary Mulvihill

From:
To: tpbpd <tpbpd@pland.gov.hk>
Date: Thursday, 15 September 2022 2:48 AM CST
Subject: A/YL-ST/618 DD 96 San Tin Wetlands CLP

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:

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

REF (61)NHAD YL CAD 17-45/45/14/37

Seq 1 3

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

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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/661 Received on 20/02/2024

意見詳情 (如有需要，請另頁說明)

Details of the Comment (use separate sheet if necessary)

本人已於 30/11/2023 提出反對，由於燈柱對上山波本
村大山墳，影响風水問題，可以移位於臨路
地方，望另行通知

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

張桂芝

簽署 Signature



日期 Date

13/3/2024

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



Re: AYL-ST/661 DD 96 San Tin Wetlands CLP

26/03/2024 02:15

From:

To: "tpbpd" <tpbpd@pland.gov.hk>

Sent by: tpbpd@pland.gov.hk

File Ref:

Dear TPB Members,

The issue is not the impact, or not, on trees, it is

From:

To: tpbpd <tpbpd@pland.gov.hk>

Date: Thursday, 7 December 2023 3:19 AM HKT

Subject: AYL-ST/661 DD 96 San Tin Wetlands CLP

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Mary Mulvihill

From:

To: tpbpd <tpbpd@pland.gov.hk>

Date: Thursday, 6 July 2023 1:56 AM HKT

Subject: AYL-ST/653 DD 96 San Tin Wetlands CLP

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Although 'Agricultural Use (Fish Pond Culture only)' is permitted within the "CA" zone, 'Fish Pond Culture' excludes fish rearing facilities such as concrete pools

or tanks according to the Definitions of Terms published by the Board. In other words, **the intended fish farming purpose indicated by the applicant is not a use that is always permitted within the "CA" zone.**

There can be no material change in circumstances in such a short period so the new application has no merit.

Mary Mulvihill

From:

To: tpbpd <tpbpd@pland.gov.hk>

Date: Thursday, 15 September 2022 2:48 AM CST

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Date: Tuesday, 25 January 2022 2:55 AM CST

Subject: A/YL-ST/609 DD 96 San Tin Wetlands CLP

A/YL-ST/609

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Members must question the need of this.

Mary Mulvihill

4 附加

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



Re: AYL-ST/661 DD 96 San Tin Wetlands CLP

26/03/2024 02:17

From:

To: "tpbpd" <tpbpd@pland.gov.hk>

Sent by: tpbpd@pland.gov.hk

File Ref:

Dear TPB Members,

The issue is not the impact, or not, on trees, it is that the proposed end use is not compatible with the zoning.

The application should be rejected.

Mary Mulvihill

From:

To: tpbpd <tpbpd@pland.gov.hk>

Date: Thursday, 7 December 2023 3:19 AM HKT

Subject: AYL-ST/661 DD 96 San Tin Wetlands CLP

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To: tpbpd <tpbpd@pland.gov.hk>

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Mary Mulvihill

From:

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