2023年 1月 18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。

This document is received on 18 JAN 2023.
The Town Planning Board will formally acknowledge
the date of receipt of the application only upon receipt
of all the required information and documents.

Form No. S16-I
表格第 S16-I 號

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

根據《城市規劃條例》(第131章) 第16條遞交的許可申請

Applicable to proposals not involving or not only involving:
適用於建議不涉及或不祇涉及:
(i) **Construction of "New Territories Exempted House(s)";**
興建「新界豁免管制屋宇」;
(ii) **Temporary use/development of land and/or building not exceeding 3 years in rural areas; and**
位於鄉郊地區土地上及/或建築物內進行為期不超過三年的臨時用途/發展;及
(iii) **Renewal of permission for temporary use or development in rural areas**
位於鄉郊地區的臨時用途或發展的許可續期

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

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

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

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

& Please attach documentary proof 請夾附證明文件

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

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

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

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

220348 12/12 by post

For Official Use Only 請勿填寫此欄	Application No. 申請編號	A/YL-NSW/307
	Date Received 收到日期	18 JAN 23

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

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

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

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1. Name of Applicant 申請人姓名/名稱

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

CLP Power Hong Kong Limited

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

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

Pacific Extend Ltd.

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 DD123 Nam Sang Wai , YL
(b) Site area and/or gross floor area involved 涉及的地盤面積及／或總樓面面積	☑ Site area 地盤面積 27.6 sq.m 平方米 ☑ About 約 ☐ Gross floor area 總樓面面積 ..... sq.m 平方米 ☐ About 約
(c) Area of Government land included (if any) 所包括的政府土地面積（倘有）	92m x 0.3m = 27.6m2 sq.m 平方米 ☑ About 約

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

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

The applicant 申請人 –

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

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

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

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

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

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

(b) The applicant 申請人 –

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

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

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

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

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

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

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

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

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

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

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

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

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

Others 其他

☐ others (please specify)
其他（請指明）

_____

_____

_____

_____

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

6. Type(s) of Application 申請類別

☐	Type (i) 第(i)類	Change of use within existing building or part thereof 更改現有建築物或其部分內的用途
☑	Type (ii) 第(ii)類	Diversion of stream / excavation of land / filling of land / filling of pond as required under Notes of Statutory Plan(s) 根據法定圖則《註釋》內所要求的河道改道／挖土／填土／填塘工程
☑	Type (iii) 第(iii)類	Public utility installation / Utility installation for private project 公用事業設施裝置/私人發展計劃的公用設施裝置
☐	Type (iv) 第(iv)類	Minor relaxation of stated development restriction(s) as provided under Notes of Statutory Plan(s) 略為放寬於法定圖則《註釋》內列明的發展限制
☐	Type (v) 第(v)類	Use / development other than (i) to (iii) above 上述的(i)至(iii)項以外的用途／發展

Note 1: May insert more than one 「✓」.
註 1： 可在多於一個方格內加上 「✓」號
Note 2: For Development involving columbarium use, please complete the table in the Appendix.
註 2： 如發展涉及靈灰安置所用途，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	☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填塘深度 ..... m 米 ☐About 約 ☑ Filling of land 填土 Area of filling 填土面積 .....27.6..... sq.m 平方米 ☑About 約 Depth of filling 填土厚度 .....0.55..... m 米 ☐About 約 ☑ Excavation of land 挖土 Area of excavation 挖土面積 .....27.6..... sq.m 平方米 ☑About 約 Depth of excavation 挖土深度 .....0.55..... m 米 ☐About 約 (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用圖則顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及/或範圍))
(b) Intended use/development 有意進行的用途／發展	1. Public utility installation (LV cable laying) 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

☑ Public utility installation 公用事業設施裝置

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

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

Name/type of installation 裝置名稱／種類	Number of provision 數量	Dimension of each installation /building/structure (m) (LxWxH) 每個裝置／建築物／構築物的尺寸 (米) (長 x 闊 x 高)
Excavation and LV Cable Laying	1	LV underground Cable 92m (L) x 0.3m (W)

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

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

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

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

(v) For Type (v) application 供第(v)類申請

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

(b) Development Schedule 發展細節表

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

☐ Domestic part 住用部分

GFA 總樓面面積 ..... sq. m 平方米 ☐About 約

number of Units 單位數目 .....

average unit size 單位平均面積 .....sq. m 平方米 ☐About 約

estimated number of residents 估計住客數目 .....

☐ Non-domestic part 非住用部分

GFA 總樓面面積

☐ eating place 食肆 ..... sq. m 平方米 ☐About 約

☐ hotel 酒店 ..... sq. m 平方米 ☐About 約

(please specify the number of rooms 請註明房間數目) .....

☐ office 辦公室 ..... sq. m 平方米 ☐About 約

☐ shop and services 商店及服務行業 ..... sq. m 平方米 ☐About 約

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

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

.....

.....

.....

☐ other(s) 其他

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

.....

.....

.....

☐ Open space 休憩用地

(please specify land area(s) 請註明地面面積)

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

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

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

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

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

.....

.....

.....

.....

.....

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

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

Target Complete Date : Before Apr 2023 (About 3 weeks)

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

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

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

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

Does the development proposal involve alteration of existing building? 擬議發展計劃是否包括現有建築物的改動?	Yes 是	☐ Please provide details 請提供詳情 ....
	No 否	☑
Does the development proposal involve the operation on the right? 擬議發展是否涉及右列的工程? (Note: where Type (ii) application is the subject of application, please skip this section. 註：如申請涉及第(ii)類申請，請跳至下一條問題。)	Yes 是	☐ (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用地盤平面圖顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及/或範圍) ☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填塘深度 ..... m 米 ☐About 約 ☐ Filling of land 填土 Area of filling 填土面積 ..... sq.m 平方米 ☐About 約 Depth of filling 填土厚度 ..... m 米 ☐About 約 ☐ Excavation of land 挖土 Area of excavation 挖土面積..... sq.m 平方米 ☐About 約 Depth of excavation 挖土深度 .....m 米 ☐About 約
	No 否	☐
Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響？	On environment 對環境	Yes 會 ☐ No 不會 ☐
	On traffic 對交通	Yes 會 ☐ No 不會 ☐
	On water supply 對供水	Yes 會 ☐ No 不會 ☐
	On drainage 對排水	Yes 會 ☐ No 不會 ☐
	On slopes 對斜坡	Yes 會 ☐ No 不會 ☐
	Affected by slopes 受斜坡影響	Yes 會 ☐ No 不會 ☐
	Landscape Impact 構成景觀影響	Yes 會 ☐ No 不會 ☐
	Tree Felling 砍伐樹木	Yes 會 ☐ No 不會 ☐
	Visual Impact 構成視覺影響	Yes 會 ☐ No 不會 ☐
	Others (Please Specify) 其他 (請列明)	Yes 會 ☐ No 不會 ☐
	_____ _____	
	Please state measure(s) to minimise the impact(s). For tree felling, please state the number, diameter at breast height and species of the affected trees (if possible) 請註明盡量減少影響的措施。如涉及砍伐樹木，請說明受影響樹木的數目、及胸高度的樹幹直徑及品種(倘可)	

10. Justifications 理由

The applicant is invited to provide justifications in support of the application. Use separate sheets if necessary.
現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.
The applicant seeks planning permission to use the application site for propsed public utility installation LV cable laying and associated filling and excavation of land (about 0.55m in depth). 1 Lv underground cable with length of 92m and width of 0.3m is proposed to be install within the application site.
The Lv electricity supply for St. John First Aid Post at Nam Shang Wai Area.

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

Leung Wai Kit ..... Project 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 Pacific Extend Limited 泰貿有限公司 .....

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

Date 日期 3 Jan 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.
在該骨灰安置所內，總共最多可安放多少份骨灰。

Gist of Application 申請摘要

(Please provide details in both English and Chinese as far as possible. This part will be circulated to relevant consultees, uploaded to the Town Planning Board's Website for browsing and free downloading by the public and deposited 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存放於規劃署規劃資料查詢處以供一般參閱。)

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 DD123 Nam Sang Wai , YL
Site area 地盤面積	27.6 sq. m 平方米 ☑ About 約 (includes Government land of 包括政府土地 27.6 sq. m 平方米 ☑ About 約)
Plan 圖則	S/YL-NSW/8
Zoning 地帶	Conservation Area
Applied use/ development 申請用途/發展	1. Public utility installation (LV cable laying) 2. Filling and Excavation of land

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

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

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

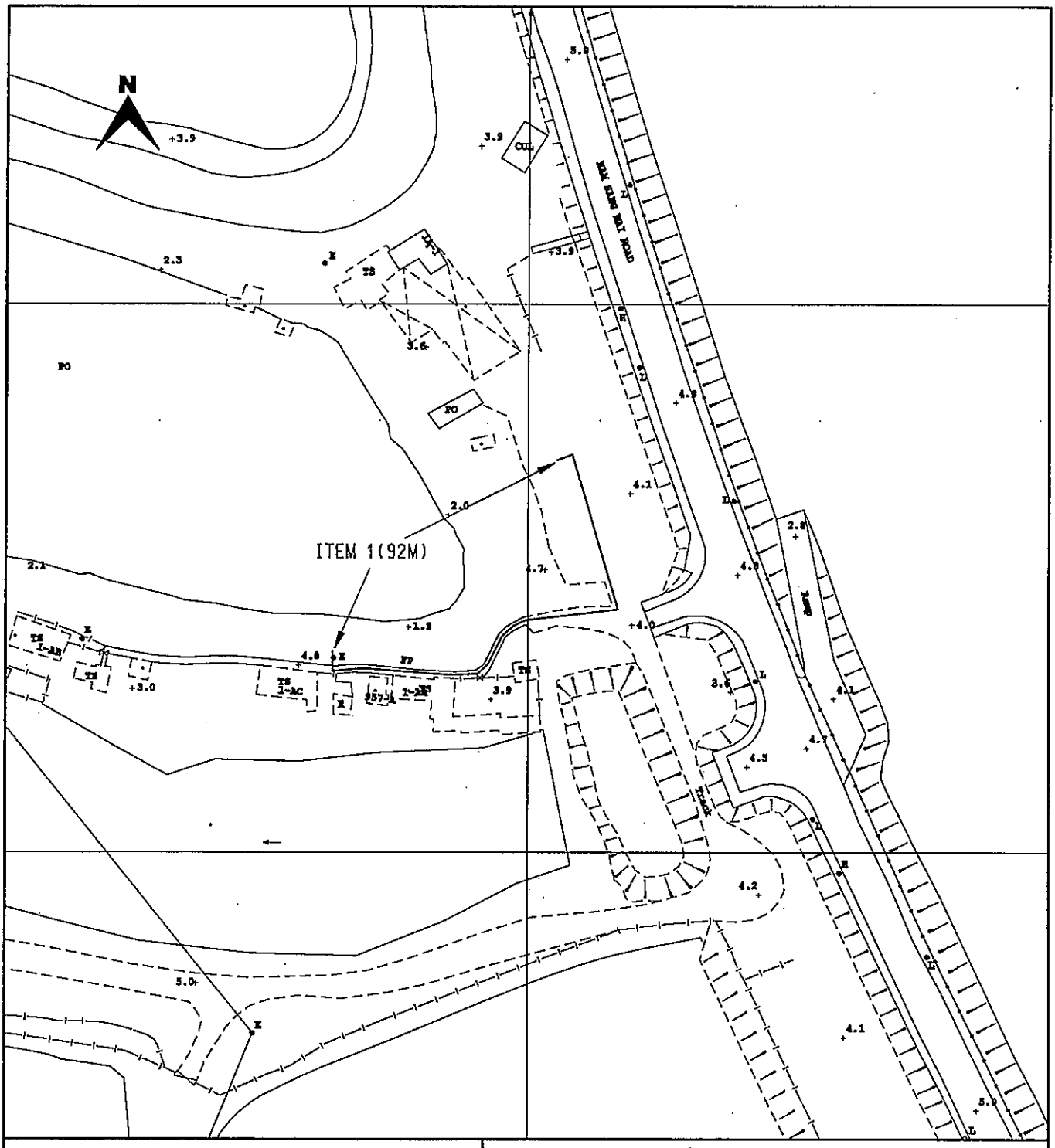
Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件

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

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

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

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



CLP 中電

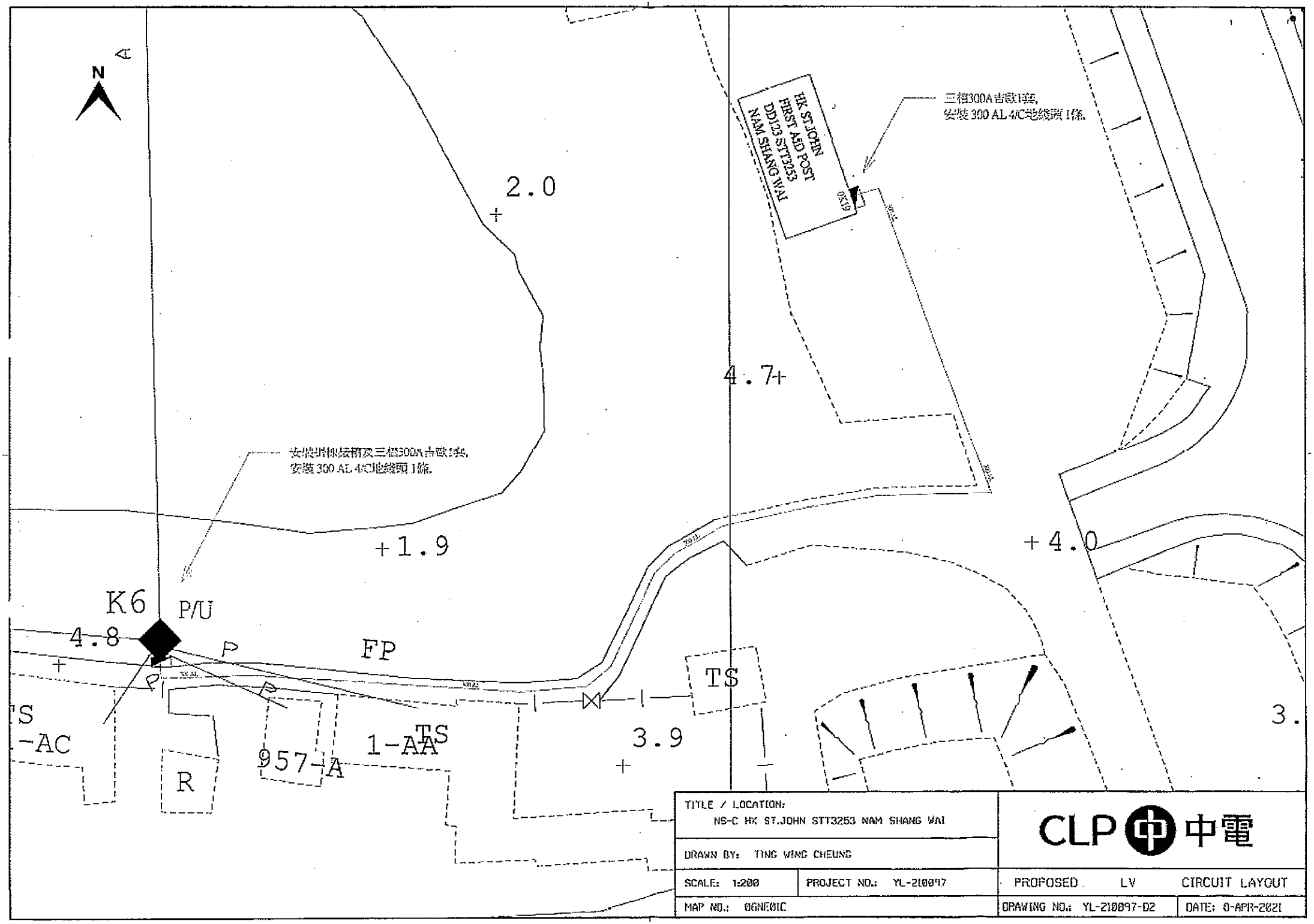
LEGEND

- 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 / INSPECTION CABLE
- EXISTING OVERHEAD LINE & POLE
- PROPOSED 11kV, LV, 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
- PROPOSED 5.0M(L) x 2.39M(W) x 3.0M(H) PACKAGE SUBSTATION

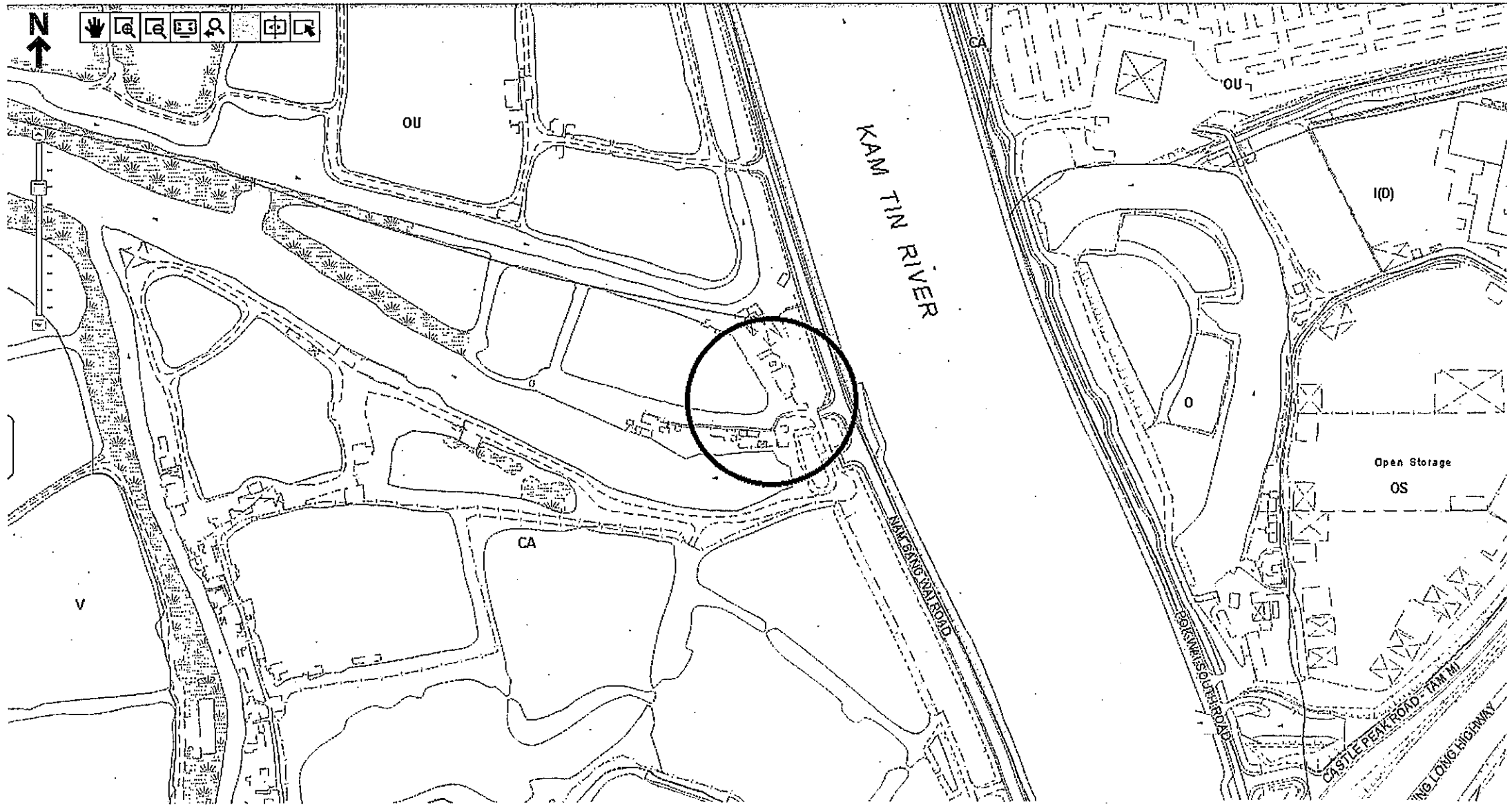
TITLE : LV Cable Laying
Near Nam Sang Wai Road

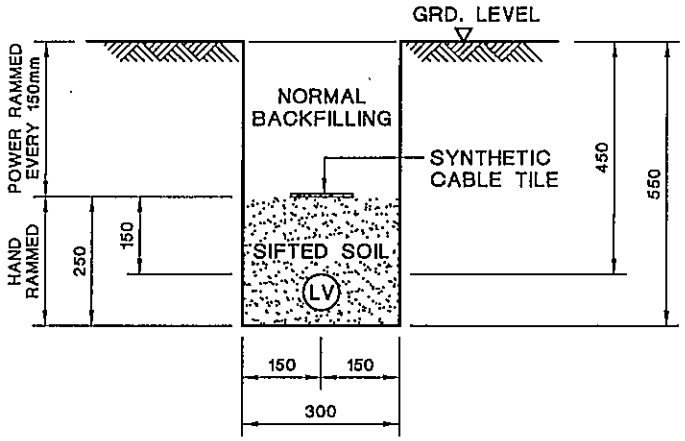
MAP NO : 06NE01C

DRAWN : BENSON	E/O NO :	
CHECKED : P.S.LAU	REGION : NR	O.C. : YL
DATE : 03-05-2021	PROJECT REF. : YL2021-0097	
SCALE : 1:1000	PLAN REF. : NRYL2021-0097-01	

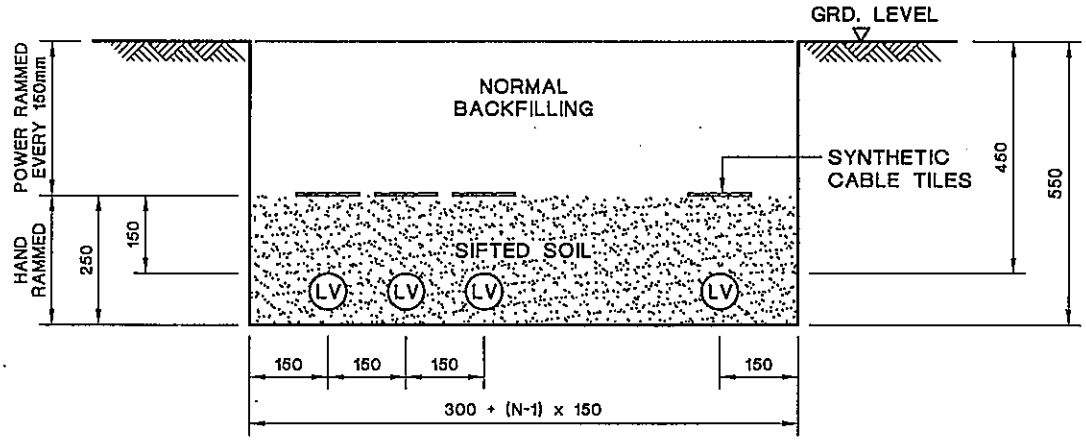


TITLE / LOCATION: NS-C HK ST.JOHN STT3253 NAM SHANG WAI		CLP 中電	
DRAWN BY: TING WING CHEUNG			
SCALE: 1:200	PROJECT NO.: YL-210097	PROPOSED LV CIRCUIT LAYOUT	
MAP NO.: 06NE01C		DRAWING NO.: YL-210097-D2	DATE: 8-APR-2021


N
OU
KAM TIN RIVER
CA
V
NAM SANG WAI ROAD
OU
I(D)
O
Open Storage
OS
CASTLE PEAK ROAD - TAM MI



TYPICAL CABLE TRENCH FOR SINGLE LV CABLE



TYPICAL CABLE TRENCH FOR MULTIPLE LV CABLES

LEGEND :

(LV) LV CABLE

N NUMBER OF CABLE CIRCUITS

NOTES:

1. ALL SOIL BACKFILLING BENEATH CABLE TILES SHALL BE SIFTED THROUGH 12mm WIRE MESH.
2. ALL DIMENSIONS ARE IN mm.

C	GENERAL REVISION	B	GENERAL REVISION	A	SYNTHETIC CABLE TILE SPECIFIED

REVS.	16-2-04	18-6-07	28-6-07								
	A	B	C	D	E	F	G	H	J	K	L
INITIAL	C.Y.JP	W.B.LEE	Y.K.MAN								

CLP 中電

TITLE :

TYPICAL LV CABLE TRENCH

DRAWN: S.C.T.	DATE: 15 Aug., 2003		
CHECKED: K. K. LEUNG	APPROVED: W. B. LEE		
SCALE: 1 : 15	SHEET(S) IN SET: 1	PROJECT NO.	CONTRACT NO.
ASSET MANAGEMENT		DRG. NO.	TGEN2550DE3300201CA

Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long

Ecological Assessment

15 December 2022

Project No.: 0669885

Document details	
Document title	Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long
Document subtitle	Ecological Assessment
Project No.	0669885
Date	15 December 2022
Version	0.0
Author	Various
Client Name	CLP Power

Document history

				ERM approval to issue		
Version	Revision	Author	Reviewed by	Name	Date	Comments
	0.0	Yuihong Chiu	Arthur Lo	Terence Fong	15.12.2022	-

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1. INTRODUCTION

CLP Power Hong Kong Limited has commissioned ERM-Hong Kong, Limited (ERM) to undertake ecological survey and ecological assessment for the "Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long" ("the Project"). The objective of the Project is to improve the electricity supply reliability at Nam Sang Wai, CLP is proposing LV cable laying near Nam Sang Wai Road. The overall construction period will be around 1 month between April 2023 and May 2023.

This Ecological Assessment (EcoA) provides detailed information regarding the ecology of the Study Area, which is defined as a 300m radius from the Project Site, i.e. proposed cable route (see ***Figure 1.1***). The ecological assessment is based on literature review as well as the recent verification ecological baseline survey, with particular attention paid to the habitat adjacent to the proposed cable route.

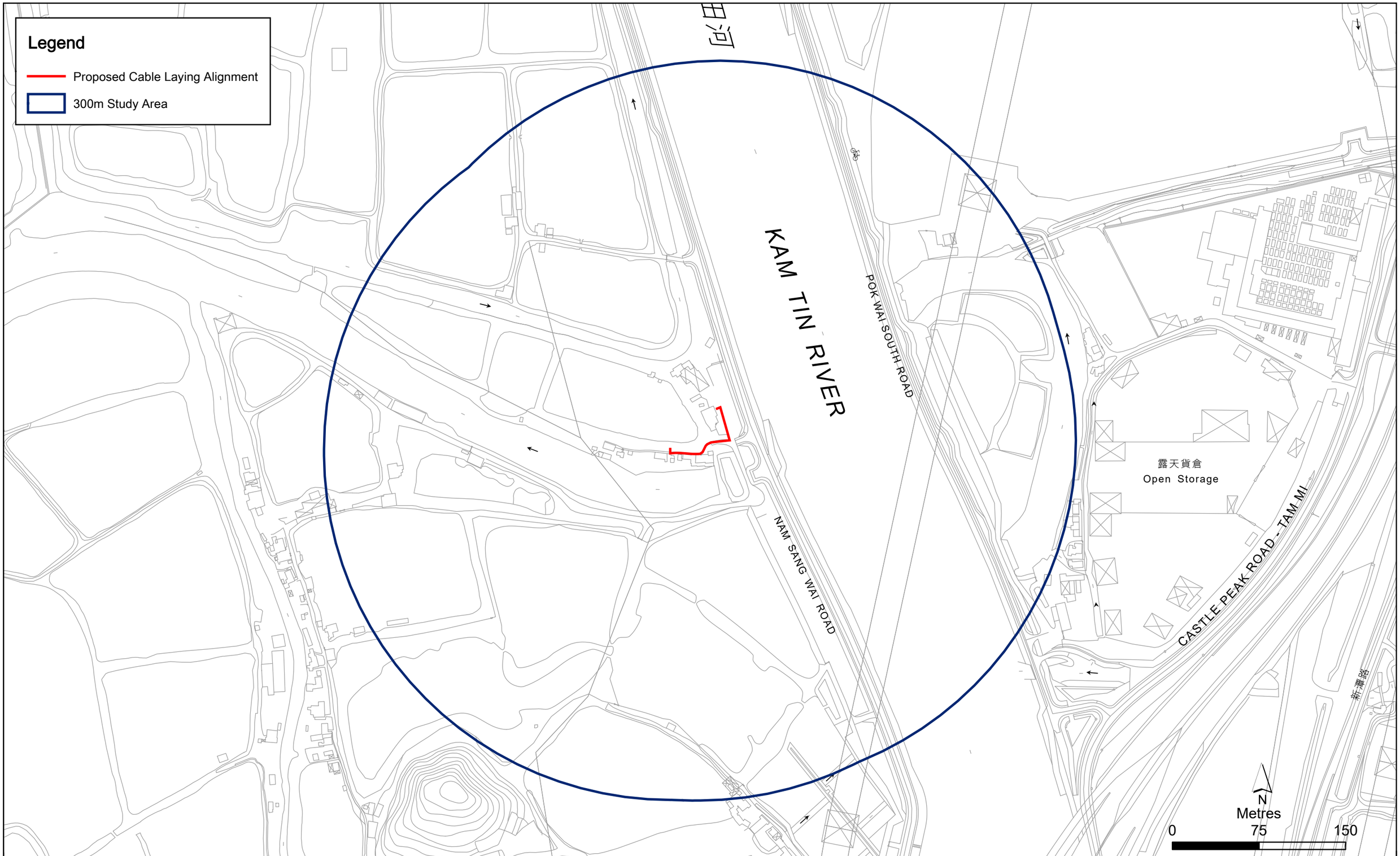

Figure 1.1

Project Site and Study Area

File: T:\GIS\CONTRACT\0669885\mxd\300m_Study_Area\0669885_300m_Study_Area.mxd
Date: 19/12/2022

Environmental Resources Management

ERM

2. ENVIRONMENTAL LEGISLATION AND GUIDELINES

Reference has been made to the *Technical Memorandum on Environmental Impact Assessment Process* (EIAO-TM) issued under the *Environmental Impact Assessment Ordinance* (EIAO) in the evaluation of potential ecological impacts, particularly *Annex 8 Criteria for Evaluating Ecological Impact* and *Annex 16 Guidelines for Ecological Assessment.* The following Guidance Notes have also been taken to account:

- GN 6/2010 *Some Observations on Ecological Assessment from the Environmental Impact Assessment Ordinance Perspective*;
- GN 7/2010 *Ecological Baseline Survey for Ecological Assessment;* and
- GN 10/2010 *Methodologies for Terrestrial and Freshwater Ecological Baseline Surveys*.

In addition, the following legislation and guidelines provide the framework for conducting ecological surveys and the protection of species and habitats of ecological importance for ecological assessment in Hong Kong:

- *Country Parks Ordinance* (Cap. 208)
- *Forests and Countryside Ordinance* (Cap. 96);
- *Town Planning Ordinance* (Cap. 131);
- *Wild Animals Protection Ordinance* (Cap. 170);
- *Protection of Endangered Species of Animals and Plants Ordinance* (Cap. 586);
- *Hong Kong Planning Standards and Guidelines Chapter 10* (HKPSG);
- *Technical Circular (Works) No. 4/2020 Tree Preservation.*

3. LITERATURE REVIEW

Upon commencement of the ecological assessment, a desktop review was conducted to search for relevant scientific papers, reports and previous Environmental Impact Assessment reports etc. to identify any available ecological information, including habitats and species of conservation concern in the area. Based on recent aerial photos and relevant previous studies, habitats and species of conservation importance recorded previously were identified. General studies (if any), which may not necessarily focus on the Study Area and Project Site, was also reviewed and relevant information was extracted from the report(s).

3.1 Site of Conservation Importance

The Study Area (SA) falls within the below-mentioned sites of conservation importance in the vicinity of Nam Sang Wai Road, including Wetland Conservation Area (WCA), Wetland Buffer Area (WBA), Conservation Area (CA). The Project Site is located within WCA and CA (***Figure 3.1***).

3.1.1 Wetland Conservation Area (WCA)

Fishponds continuous and adjoining to the Deep Bay Area are designated under TPB PG-No. 12C as the WCA, with the aim of protecting the integrity of the Deep Bay wetland ecosystem. Any development in the WCA should normally comply with the "No-Net-Loss in Wetland" principle. Other than permitted essential conservation or infrastructural works, no developments involving pond filling or other works detrimental to the ecological function of the wetland are allowed within the WCA.

The WCA covers part of the Study Area, including a few fishponds along Nam Sang Wai Road and Pok Wai South Road as well as part of Kam Tin River (***Figure 3.1***). The proposed cable route falls within this zone.

3.1.2 Wetland Buffer Area (WBA)

The WBA is also designated under TPB PG-No. 12C to include a buffer of about 500m on the landward side of the WCA. The planning intention is to protect the ecological integrity of wetlands within the WCA and prevent any development that would have a negative off-site disturbance impact on the WCA. Developments within the WBA are required to demonstrate that ecological impacts on the WCA will be minimized and any negative ecological impacts will be fully mitigated through positive measures.

The WBA covers part of the Study Area, including a few fishponds along Nam Sang Wai Road and Pok Wai South Road as well as part of Kam Tin River (***Figure 3.1***).

3.1.3 Conservation Area (CA)

The large areas of continuous fishponds (both active and abandoned) within the SA are zoned as CA under the Approved Nam Sang Wai OZP NO. S/YL-NSW/8 (***Figure 3.1***). The proposed cable route falls within this zone.

The planning intention of this zone 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. The "no-net-loss in wetland" principle is adopted for any change in use within this zone. The primary intention is to discourage new development unless it is required to support the conservation of the ecological integrity of the wetland ecosystem or the development is an essential infrastructure project with overriding public interest.

There is a general presumption against development in this zone. In general, only developments that are needed to support the conservation of the existing natural landscape or scenic quality of the area or are essential infrastructure projects with overriding public interest may be permitted.

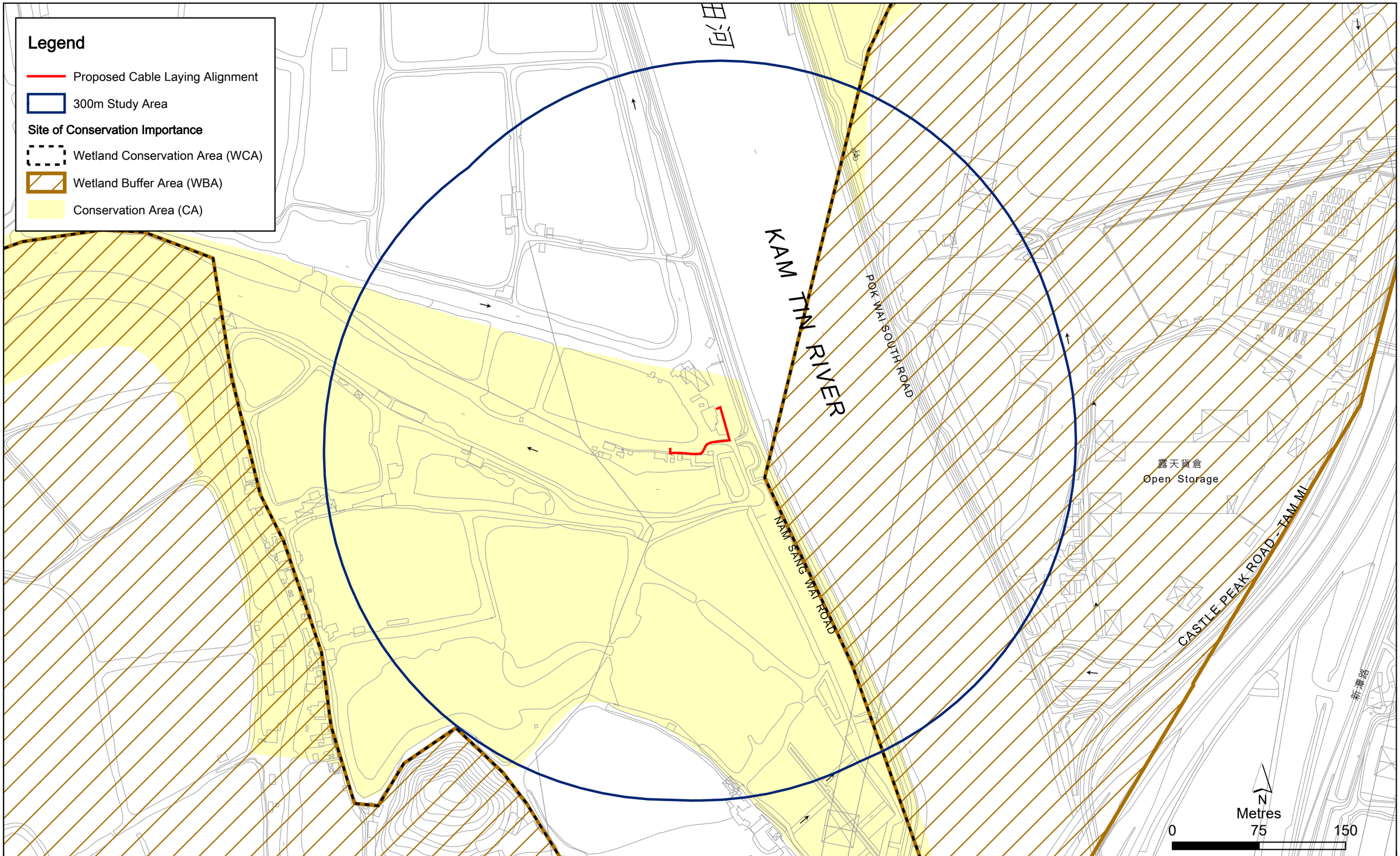

Figure 3.1

Site of Conservation Importance

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3.2 Previously Recorded Species of Conservation Importance

A literature review has been conducted to characterise the existing ecological conditions of the Project Site and Study Area and to identify habitats and species of conservation concern in the area. A number of relevant studies including but not limited to the follows were reviewed.

- EIA - 074/2002 - *Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 1 Packages 1A-1T and 1B-1T - Kam Tin Trunk Sewerage Phase I and II* (DSD, 2002) (1)
- EIA - 159/2008 - *Construction of Cycle Tracks and the associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River* (CEDD, 2008) (2)
- EIA - 269/2021 - *Yuen Long Barrage Scheme* (DSD, 2021) (3)
- *Approved Nam Sang Wai Outline Zoning Plan S/YL-NSW/8*
- *Protection of Wetlands in Hong Kong, AFCD (*AFCD, 2000*)* (4)
- Hong Kong Biodiversity Information Hub maintained by AFCD (5)
- Hong Kong Bird Report 2017 (HKBWS, 2022) (6)
- The Avifauna of Hong Kong

The ecological survey periods and surveyed flora/ fauna groups that are presented in the above studies are tabulated in ***Table 3.1***; a map showing their study areas, whenever defined, is provided in ***Figure 3.2***.

Special attention was paid to ecologically sensitive areas, and species of conservation importance (i.e. species protected by local legislation, endemic to Hong Kong or South China, listed in international conventions for conservation of habitat/wildlife, listed in IUCN Red Data Book or those of the South China region and considered as rare in the territory or having special conservation importance by scientific studies etc.). The information gathered from the literature review was evaluated and the information gaps concerning assessment of the potential ecological impacts arising from the Project on the terrestrial environment were identified. The species of conservation importance with known locations are shown on ***Figure 3.3***.

Table 3.1: Previous Studies Relevant to the Study Area

Study	Survey Period	Flora and Fauna Groups Surveyed
DSD, 2002	Apr 2000 – Mar 2001	Habitat & Vegetation, Mammals, Avifauna, Herpetofauna, Butterfly, Odonates, Aquatic fauna
CEDD, 2008	Nov 2006 – Apr 2007	Habitat & Vegetation, Avifauna
DSD, 2021	Jul 2019 – Apr 2020	Habitat & Vegetation, Mammals, Avifauna, Herpetofauna, Butterfly, Odonates, Aquatic fauna

(1) Drainage Services Department (2002). Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 1 Packages 1A-1T and 1B-1T - Kam Tin Trunk Sewerage Phase I and II.
(2) Civil Engineering and Development Department (2008). Construction of Cycle Tracks and the associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River.
(3) Drainage Services Department (2021). Yuen Long Barrage Scheme.
(4) AFCD (2000). Legislative Council Paper NO. CB(2) 397/00-01 (03) – Protection of Wetlands in Hong Kong. Information reviewed.
(5) Information reviewed from AFCD, Available at https://bih.gov.hk/en/home/index.html
(6) HKBWS (2022). Hong Kong Bird Report 2000-2017.

Legend

Proposed Cable Laying Alignment

300m Study Area

Study Areas from Previous Studies

EIA-074/2002 Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 1 Sewers, Rising Mains and Ancillary Pumping Stations: Environmental Impact Assessment and Traffic Impact Assessment Studies

EIA-159/2008 Construction of Cycle Tracks and the associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River

EIA-269/2021 Yuen Long Barrage Scheme

馬草壟 MA TSO LUNG
落馬洲 LOK MA CHAU
上水 SHEUNG SHUI
堅原 LONG VALLEY
石湖墟 SHEK WU HUI
新田 SAN TIN
聯和墟 LUEN WO HUI
米埔 MAI PO
粉嶺 FANLING
和合石 WO HOP SHEK
牛潭尾 NGAU TAM MEI
流浮山 LAU FAU SHAN
南生圍 NAM SANG WAI
天水圍 TIN SHUI WAI
橫洲 WANG CHAU
屏山 PING SHAN
八鄉 PAT HEUNG
厦村 HA TSUEN
錦田 KAM TIN
元朗 YUEN LONG
十八鄉 SHAP PAT HEUNG
石崗 SHEK KONG

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Figure 3.2

Previous Study Areas of Relevant EIAs

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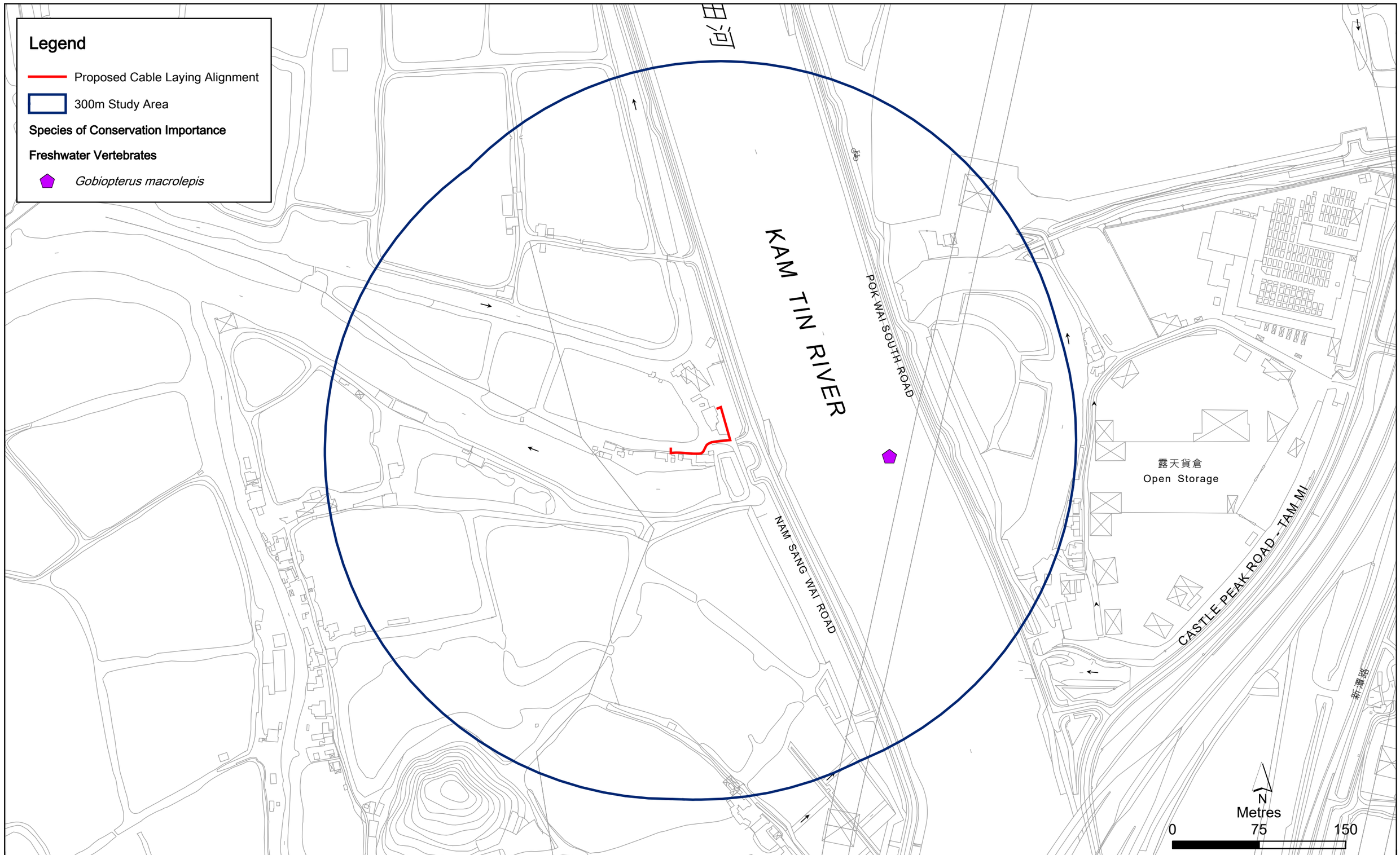

Figure 3.3

Species of Conservation Importance from Literature Review within the Study Area

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3.2.1 Flora Species of Conservation Importance Recorded in Previous Studies

Based on the reviewed literatures, no flora species of conservation importance was reported within the Study Area.

3.2.2 Fauna Species of Conservation Importance Recorded in Previous Studies

Mammals

Based on the reviewed literature, one mammal species of conservation importance was recorded in the Study Area from previous surveys/ approved EIA studies. A concern of this study is whether Eurasian Otters are present within the Study Area. However, it is unlikely that it will occur within the 300m Study Area as the nearest record was at the junction between Kam Tin River and Shan Pui River (DSD 2021) (7). Details of the mammal species of conservation importance is shown in ***Table 3.2***.

Table 3.2: Mammal of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status
Mammal			
Japanese Pipistrelle	*Pipistrellus abramus*	東亞家蝠	Cap.170

Note:

Conservation Status:

a. Cap. 170: Protected under Wild Animals Protection Ordinance

Avifauna

A significant diversity of waterbirds, both resident and migratory were recorded in wetland habitats within the Study Area, including fishponds, watercourse etc. Many of the recorded species are known to forage and roost in wetlands, with ardeid and duck species being the dominant species group within the Study Area. A total of 53 avifauna species of conservation importance were recorded in the Study Area and its vicinity from previous surveys/ approved EIA studies (i.e. including Kam Tin River (KTR) and Nam Sang Wai (NSW))**.** All bird species are protected under the Wild Animals Protection Ordinance (Cap. 170). Details of the avifauna species of conservation importance are shown in ***Table 3.3***.

Table 3.3: Avifauna of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Avifauna					
Northern Shoveler	*Spatula clypeata*	琵嘴鴨	Fellowes: RC	✓	✓
Eurasian Wigeon	*Mareca penelope*	赤頸鴨	Fellowes: RC	✓	✓

(7) Drainage Services Department (2021). Yuen Long Barrage Scheme.

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Northern Pintail	*Anas acuta*	針尾鴨	Fellowes: RC	✓	✓
Eurasian Teal	*Anas crecca*	綠翅鴨	Fellowes: RC	✓	✓
Common Pochard	*Aythya ferina*	紅頭潛鴨	IUCN(VU)	✓	✓
Tufted Duck	*Aythya fuligula*	鳳頭潛鴨	Fellowes: LC	✓	✓
Little Grebe	*Tachybaptus ruficollis*	小鸊鷉	Fellowes: LC	✓	✓
Eurasian Spoonbill	*Platalea leucorodia*	白琵鷺	Fellowes: LC, RLCV(NT), CITES(II), CSMPS(II), Cap.586	✓	
Black-faced Spoonbill	*Platalea minor*	黑臉琵鷺	Fellowes: PGC, RLCV(EN), IUCN(EN), CSMPS(II)	✓	✓
Von Schrenck's Bittern	*Ixobrychus eurhythmus*	紫背葦鳽	Fellowes: RC		✓
Black-crowned Night Heron	*Nycticorax nycticorax*	夜鷺	Fellowes: (LC)	✓	✓
Chinese Pond Heron	*Ardeola bacchus*	池鷺	Fellowes: PRC (RC)	✓	✓
Eastern Cattle Egret	*Bubulcus coromandus*	牛背鷺	Fellowes: (LC)	✓	
Grey Heron	*Ardea cinerea*	蒼鷺	Fellowes: PRC	✓	✓
Great Egret	*Ardea alba*	大白鷺	Fellowes: PRC (RC)	✓	✓
Intermediate Egret	*Ardea intermedia*	中白鷺	Fellowes: RC		✓
Little Egret	*Egretta garzetta*	小白鷺	Fellowes: PRC (RC)	✓	✓
Great Cormorant	*Phalacrocorax carbo*	普通鸕鷀	Fellowes: PRC	✓	✓
Western Osprey	*Pandion haliaetus*	鶚	Fellowes: RC, RLCV(NT), CITES(II), CSMPS(II), Cap.586	✓	✓
Crested Serpent Eagle	*Spilornis cheela*	蛇鵰	Fellowes: (LC), RLCV(NT), CITES(II), CSMPS(II), Cap.586		✓
Greater Spotted Eagle	*Clanga clanga*	烏鵰	Fellowes: GC, RLCV(EN), IUCN(VU), CITES(II), CSMPS(II), Cap.586	✓	
Bonelli's Eagle	*Aquila fasciata*	白腹隼鵰	Fellowes: (RC), RLCV(VU), CITES(II), CSMPS(II), Cap.586	✓	
Eastern Marsh Harrier	*Circus spilonotus*	白腹鷐	Fellowes: LC, RLCV(NT), CITES(II), CSMPS(II), Cap.586		✓
Black Kite	*Milvus migrans*	黑鳶	Fellowes: (RC), CSMPS (II), CITES (II), Cap. 586	✓	✓

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Eastern Buzzard	*Buteo japonicus*	普通鵟	CSMPS(II), CITES(II), Cap.586	✓	✓
Slaty-breasted Rail	*Gallirallus striatus*	灰胸秧雞	Fellowes: RC	✓	
Black-winged Stilt	*Himantopus himantopus*	黑翅長腳鷸	Fellowes: RC	✓	✓
Pied Avocet	*Recurvirostra avosetta*	反嘴鷸	Fellowes: RC	✓	✓
Grey-headed Lapwing	*Vanellus cinereus*	灰頭麥雞	Fellowes: LC	✓	
Little Ringed Plover	*Charadrius dubius*	金眶鴴	Fellowes: (LC)	✓	✓
Eurasian Curlew	*Numenius arquata*	白腰杓鷸	Fellowes: RC, RLCV(NT), IUCN(NT)	✓	
Marsh Sandpiper	*Tringa stagnatilis*	澤鷸	Fellowes: RC	✓	✓
Wood Sandpiper	*Tringa glareola*	林鷸	Fellowes: LC	✓	✓
Spotted Redshank	*Tringa erythropus*	鶴鷸			✓
Common Greenshank	*Tringa nebularia*	青腳鷸	Fellowes: RC	✓	
Oriental Pratincole	*Glareola maldivarum*	普通燕鴴	Fellowes: LC		✓
Black-headed Gull	*Chroicocephalus ridibundus*	紅嘴鷗	Fellowes: PRC	✓	
Lesser Black-backed Gull	*Larus fuscus*	烏灰銀鷗	Fellowes: LC	✓	
Greater Coucal	*Centropus sinensis*	褐翅鴉鵑	CSMPS(II)		✓
Lesser Coucal	*Centropus bengalensis*	小鴉鵑	CSMPS(II)		✓
Asian Barred Owlet	*Glaucidium cuculoides*	斑頭鴞鶹	CITES(II), CSMPS(II), Cap.586		✓
White-throated Kingfisher	*Halcyon smyrnensis*	白胸翡翠	Fellowes: (LC)	✓	✓
Black-capped Kingfisher	*Halcyon pileata*	藍翡翠	Fellowes: (LC)	✓	
Pied Kingfisher	*Ceryle rudis*	斑魚狗	Fellowes: (LC)	✓	✓
Common Kestrel	*Falco tinnunculus*	紅隼	CITES(II), CSMPS(II), Cap.586	✓	
Peregrine Falcon	*Falco peregrinus*	遊隼	Fellowes: (LC), RLCV(NT), CITES(I), CSMPS(II), Cap.586	✓	

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Collared Crow	*Corvus torquatus*	白頸鴉	Fellowes: LC, RLCV(NT), IUCN(VU)	✓	✓
Zitting Cisticola	*Cisticola juncidis*	棕扇尾鶯	Fellowes: LC	✓	
Red-billed Starling	*Spodiopsar sericeus*	絲光椋鳥	Fellowes: GC	✓	✓
White-cheeked Starling	*Spodiopsar cineraceus*	灰椋鳥	Fellowes: PRC	✓	
Daurian Starling	*Agropsar sturninus*	北椋鳥	Fellowes: LC		✓
White-shouldered Starling	*Sturnia sinensis*	灰背椋鳥	Fellowes: (LC)		✓
Yellow-breasted Bunting	*Emberiza aureola*	黃胸鵐	Fellowes: RC, RLCV(EN), IUCN(CR)		✓

Note:

Conservation Status:

a. Fellowes – Fellowes et al. (2002): PGC = Potential Global Concern, PRC = Potential Regional Concern, GC = Global Concern, RC = Regional Concern, LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
b. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened, VU = Vulnerable, EN: Endangered
c. IUCN – International Union for Conservation of Nature Red List of Threatened Species (2022).VU = Vulnerable, EN = Endangered, CR = Critically Endangered
d. CSMPS – China State Major Protection Status: Appendix (I) or Appendix (II)
e. CITES – Under Appendix (I) or Appendix (II) of Convention on International Trade in Endangered Species of Wild Fauna
f. Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
g. All birds in Hong Kong are protected under Cap. 170 – Protected under Wild Animals Protection Ordinance

Herpetofauna

A total of two herpetofauna species of conservation importance were recorded in the Project Site and its vicinity from previous surveys/ approved EIA studies. Details of the herpetofauna species of conservation importance are shown in ***Table 3.4***.

Table 3.4: Herpetofauna of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status
Amphibian			
Spotted Narrow-mouthed Frog	*Kalophrynus interlineatus*	花細狹口蛙	RLCV(NT)
Chinese Bullfrog	*Hoplobatrachus rugulosus*	虎紋蛙	Fellowes: PRC; RLCV(EN), CSMPS(II)

Note:

Conservation Status:

Common Name	Scientific Name	Chinese Name	Conservation Status

a. Fellowes – Fellowes et al. (2002): PRC = Potential Regional Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
b. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened, EN = Endangered
c. CSMPS – China State Major Protection Status: Appendix (I) or Appendix (II)

Butterfly and Odonate

No butterfly or odonate species of conservation importance were recorded in the Study Area from previous surveys/ approved EIA studies.

Aquatic Fauna

Only one aquatic fauna species of conservation importance was recorded within the Study Area in Kam Tin River from previous surveys/ approved EIA studies. Details of the species of conservation importance is shown in ***Table 3.5***.

Table 3.5: Butterfly and Odonate of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status
Freshwater Fish			
-	*Gobiopterus macrolepis*	大鱗鰕虎魚	RLCV(VU)

Note:
Conservation Status:
a. RLCV – Red List of China's Vertebrate (2016): VU = Vulnerable

Fireflies

Bent-winged Firefly *Pteroptyx maipo*, an endemic firefly was first recorded in mangrove habitat in Hong Kong Wetland Park in 2003 [8]. According to AFCD [9], *Pteroptyx maipo* is the only species that depends on mangrove ecosystem. While the larvae feed on snails found on the tidal mudflats, the adults inhabit short vegetation in the vicinity. Although mangrove/ mangrove associates are distributed in many coastal areas of Hong Kong, this species is restricted to the landward fringe of the mangrove ecosystem along the shoreline of Deep Bay including Mai Po, Hong Kong Wetland Park and Sheung Pak Nai. The adult flight period of the Bent-winged Firefly is between April and September while their peak breeding season is May, August and September. A concern of this study is whether Bent-winged Firefly *Pteroptyx maipo* are present within the Study Area. However, it is unlikely that it will occur within the 300m Study Area as the nearest records was at the junction between Kam Tin River and Shan Pui River (Yiu Vor, 2011) [10] and mangroves adjacent to Nam Sang Wai Ferry Pier (DSD 2021) [11]

(8) Law, K.M. 2010. "*Unique Worldwide: New Species of Firefly Found in Wetland", Hong Kong News, Wen Wei Po, Hong Kong.* Accessed at http://pdf.wenweipo.com/2010/09/23/a14-0923
(9) Cheng *et al.* 2020. Habitat Characteristics of Fireflies in Hong Kong. AFCD Newsletter Issue No. 26.
(10) Yiu, V. 2011. A new species of firefly from Hong Kong – Pteroptyx maipo Ballantyne, 2011. Insect News (Hong Kong Entomological Society Newsletter), 3, 2-7.
(11) Drainage Services Department (2021). Yuen Long Barrage Scheme.

4. VERIFICATION ECOLOGICAL BASELINE SURVEY

The Study Area comprises an area within 300m from the cable route. With reference to the reviewed data in **Section 3**, it is considered that the Project Site and its vicinity have been well covered and studies comprehensively by a number of EIA studies, planning application and research.

The previous studies and research have demonstrated a relatively high and constant use of the areas surrounding the proposed cable route by birds, esp. by waterbirds at the fishponds and Kam Tin River. Appropriate measures to avoid and minimise the potential ecological impacts caused by the Project on birds are discussed in ***Section 7***.

In order to supplement and establish a set of project specific baseline data, a verification survey, including day and night surveys, was carried out in November 2022 with particular focus on habitat and wildlife along and adjacent to the proposed cable route. A summary of the ecological baseline survey methodologies is provided in ***Table 4.1*** and the ecological baseline survey schedule is provided in ***Table 4.2.*** Survey transects follow mainly the existing roads (***Figure 4.1*** refers), aiming to cover all types of habitats within the Study Area. Details of the methodologies are provided in ***Sections 4.1*** and ***4.2***.

Table 4.1: Summary of the Ecological Baseline Survey Methodologies

Survey Type	Methodology
Habitat and Vegetation	Habitat mapping and vegetation identification through ground truthing in major habitats.
Avifauna	Quantitative (active searching along the survey transect) and Qualitative (recorded within Study Area); including day and night surveys
Mammal	Quantitative (active searching along the survey transect) and qualitative (recorded within Study Area); including day and night surveys
Herpetofauna	Quantitative (active searching along the survey transect) and qualitative (recorded within Study Area); including day and night surveys
Butterfly	Qualitative (recorded within Study Area) survey; including only day surveys
Odonates	Qualitative (recorded within Study Area) survey; including only day surveys
Aquatic fauna	Active searching at sizable streams and notable water bodies; including day and night surveys

Table 4.2: Ecological Baseline Survey Schedule

Survey Type	30 November 2022
Habitat and Vegetation	✓
Avifauna (day and night)	✓
Mammal (day and night)	✓
Herpetofauna (day and night)	✓
Butterfly	✓
Odonates	✓
Aquatic fauna (day and night)	✓

4.1 Habitat and Vegetation Surveys

An initial map of habitats within the Study Area was prepared from aerial photos and previous approved EIA studies. Representative areas of each habitat type were then ground-truthed on foot, in order to ensure they reflected current conditions and to distinguish between habitats which could not always be reliably distinguished from aerial photos. Representative colour photos were taken for each habitat type (***Annex 1***) and any important ecological features identified.

In parallel with the habitat mapping, the vegetation specialist recorded the flora species encountered in each habitat. Special attention was also paid to species that are rare, protected and/or of ecological importance.

4.2 Wildlife Surveys

4.2.1 Avifauna

The bird communities of the identified habitats within the Study Area were surveyed using transects count method subject to the site conditions. Any signs of breeding (e.g. nests, recently fledged juveniles) within the Study Area were also recorded. Observations were made using 8× binoculars and photographic records taken, where possible. Day-time and night-time survey were conducted once for avifauna within the Study Area.

4.2.2 Mammals

Mammal surveys were conducted with transect count during daytime and nighttime. As mammals usually occur at low densities, in addition to direct observation, any observation of signs of mammal activity, such as tracks, scats or burrows were actively sought. Day-time and night-time survey were conducted once for mammal within the Study Area.

4.2.3 Herpetofauna

Herpetofauna surveys were conducted through direct observation and active searching in all major representative habitat types along survey transects and in potential hiding places such as among leaf litter, inside holes and under stones and logs within the Study Area. Auditory detection of species specific calls was also used to survey frogs and toads. During the surveys, all reptiles and amphibians sighted and heard were recorded. Day-time and night-time survey were conducted once for herpetofauna within the Study Area.

4.2.4 Butterflies and Odonates

Butterflies and odonates of various habitats within the Study Area were surveyed once using transect/ point count method during day-time. Any butterflies and odonates encountered outside the transects/ counting points were also identified and counted in order to produce a complete species list.

Particular attention was given to food/ host plants for butterfly larvae and favoured habitats for both groups, such as shrubland for butterflies and streams for odonates (both adults and larvae).

4.2.5 Aquatic Fauna

Aquatic survey was conducted once during day-time at nearby sizable watercourses within the Study Area in order to collect more comprehensive information of the wildlife usage in the area. The watercourses were surveyed by direct observation and active searching for aquatic fauna, including but not limited to fish, invertebrates and macroinvertebrates.

5. EXISTING ECOLOGICAL BASELINE

A very large proportion of the Study Area is located within Wetland Conservation Area, Wetland Buffer Area and Conservation Area. The Project site is located within Wetland Conservation Area and Conservation Area. Most built-up areas are concentrated on the eastern end of the Study Area. Seven major habitat types have been identified in the Study Area, namely plantation, shrubland/grassland, watercourse, fishpond, managed wetland, developed area and village area. Habitats present within the Study Area are shown ***Figure 5.1***.

5.1 Habitat and Vegetation

Table 5.1 summarises the area of each habitat recorded in the Study Area. The representative habitat photos are in ***Annex 1***. The full plant list for the Study Area is provided in ***Annex 2***. The following text elaborates the ecological conditions, flora and fauna recorded at each habitat during the ecological baseline survey.

Table 5.1: Area of Each Habitat Identified in the Study Area

Habitat	Area within Study Area (ha)	% of Study Area
Plantation	1.06	3.25%
Shrubland/Grassland	1.51	4.61%
Watercourse	10.07	30.83%
Pond	7.60	23.25%
Developed Area	2.21	6.76%
Village Area	5.59	17.10%
Managed Wetland	4.64	14.20%
TOTAL	**32.68**	**100.00%**

5.1.1 Habitats within the Study Area

Plantation

Plantations are mainly found along Nam Sang Wai Raod, Pok Wai South Road and Castle Peak Road as well as a patch that is located at the south west end of the Study Area (***Figure 5.1***). Plant species present are mainly tree and shrub species for landscaping purposes or ruderal species that colonised the area, due to close vicinity to village houses and main roads, these patches of plantation receive a relatively high level of disturbance, esp. on their fringes.

A total of 20 plant species were recorded in plantation habitat. Most of the plant species recorded from this habitat are common in Hong Kong. Plants dominated by exotic landscaping or ruderal species such as *Acacia auriculiformis, Acacia magnium, Eucalyptus citriodora, Lagerstroemia speciosa*, *Lantana camara* and *Melaleuca cajuputi* subsp*. Cumingiana* were frequently found in this habitat. No flora species of conservation importance was recorded.

Shrubland/Grassland

There are two main patches of shrubland/grassland within the Study Area one that is located adjacent to Pok Wai South Road and nearby fishponds and one at the south west end of the Study Area adjacent to a village and fishpond. A total of 51 plant species were recorded in plantation habitat. Plant species present are mainly common shrub and herb species such as *Bridelia tomentosa*, Cynodon dactylon, *Desmodium heterocarpon*, *Desmos chinensis*, *Panicum maximum* and *Scoparia dulcis*. No flora species of conservation importance was recorded.

Watercourse

Watercourse is the largest habitat within the Study Area (approx. 10.07 ha; 30.83% of the total area), after fishpond habitat. The watercourses in the Study Area include the main channelised watercourse

Legend

Proposed Cable Laying Alignment

300m Study Area

Species of Conservation Importance

Mammal

- Japanese Pipistrelle

Avifauna

- Black Kite
- Black-crowned Night Heron
- Black-faced Spoonbill
- Black-winged Stilt
- Chinese Pond Heron
- Collared Crow
- Common Greenshank
- Eurasian Wigeon
- Great Cormorant
- Great Egret
- Grey Heron
- Little Egret
- Northern Shoveler
- Pied Avocet
- White-throated Kingfisher

Butterfly

- Danaid Egg-fly
- Small Cabbage White
- Tiny Grass Blue

Habitat

- Shrubland/Grassland
- Managed Wetland
- Watercourse
- Pond
- Plantation
- Developed Area
- Village Area

KAM TIN RIVER

NGK WAI SOUTH ROAD

NAM SANG WAI ROAD

CASTLE PE

露天貨倉
Open Storage

濾水池

墓地

N

Metres

0 75 150

Figure 5.1

Habitat Map and Species of Conservation Importance Recorded in Verification Survey

File: T:\GIS\CONTRACT\0669885\mxd\300m_Study_Area\0669885_Habitat_and_Species.mxd
Date: 20/12/2022

Environmental Resources Management

ERM

of the Kam Tin River between Nam Sang Wai Road and Po Wai South Road. It is approximately 100m in width and has a riverbed that mainly consists of muddy substrate. When the tide ebbs wide expanses of mud is exposed on both sides of the channel, it provides foraging grounds that attracts a high diversity of water birds. A total of 20 plant species were recorded in or along watercourse. Common herb species such as *Cynodon dactylon*, *Ischaemum aristatum*, *Panicum maximum*, *Phragmites australis* and isolated patches of mangrove species, namely, *Kandelia obovata* and *Sonneratia* sp. can be found along the river bank, which allows for perching and act as a refuge for birds. Other watercourses present include semi-natural tributaries and meanders of the main Kam Tin River channel which are located beside Nam Sang Wai Road and Pok Wai South Road. They provide connectivity to different types of wetland habitats (esp. fishponds) and provide drainage to the area. The vegetation composition of the riparian zone is similar to the main channel. Common and weedy species such as *Cynodon dactylon* and *Panicum maximum* as well as wetland herbs including *Phragmites australis* predominate the banks and stream beds of these watercourses, patches of *Eichhornia crassipes* were also recorded.

No flora species of conservation importance was recorded in this habitat.

Pond

This habitat is the second largest habitat in the Study Area, occupying most of the total area (approx. 7.60 ha; 23.25% of the total area). Most of the fishponds within the Study Area including one adjacent to the proposed cable alignment were observed to be active (***Figure 5.1***). Active fishponds are maintained with mostly open water and little emergent vegetation. They were occasionally drained to permit harvesting of fish or maintenance of ponds. The composition and structure of vegetation is typical of fishponds in the Deep Bay, with simple vegetation structure and low vegetative diversity dominated by grassy vegetation. A total of 20 plant species were recorded in or along fishponds. Plants frequently recorded on the pond bunds are grassy and herbaceous species such as *Cynodon dactylon*, *Hedyotis corymbosa*, *Ischaemum aristatum, Lemna minor* and *Panicum maximum*, and sometimes fruit trees such as *Lucuma nervosa*. As most of these fishponds are active, the level of human disturbance to this habitat as a result of fishpond management is at least low to moderate. No flora species of conservation importance was recorded.

Developed Area

Developed area within the Study Area included main roads (e.g. Nam Sang Wai Road, Pok Wai South Road and Castle Peak Road – Tam Mei), as well as public facilities (e.g. Yuen Long Tam Mei Community Isolation Facility) and storage facilities, mainly located in eastern part of the Study Area (***Figure 5.1***). This habitat has been through human modifications of various levels and receives constant disturbances resulted from traffic and other anthropogenic activities.

A total of 41 plant species were recorded in Most of the plant species recorded from this habitat are common in Hong Kong. Plants dominated by exotic landscaping or ruderal species such as *Bombax ceiba , Bidens alba, Bridelia tomentosa*, *Leucaena leucocephala* and *Wedelia trilobata* were frequently found in this habitat. No flora species of conservation importance was recorded in this habitat.

Village Area

Village Area refers to areas occupied by village houses, and the associated access paths to fishponds and main roads close to the villages (***Figure 5.1***).

There are 45 plant species recorded in this habitat (***Annex 2***). Most of the plant species recorded are commonly grown for ornamental purpose or as orchards such as *Allamanda schottii, Averrhoa carambola, Dimocarpus longan, Litchi chinensis* and *Lucuma nervosa*. No flora species of conservation importance was recorded in this habitat.

Managed Wetland

Managed Wetland refers to the mitigation wetland to the west of Kam Tin River for the Yuen Long Bypass Floodway which is planted with wetland plants and woody vegetation for attracting wildlife. A total of 25 plant species were recorded in the managed wetland. Plants frequently recorded are grassy and herbaceous species such as *Cynodon dactylon*, *Euphorbia hirta*, *Mimosa pudica* and *Phragmites australis*.

5.1.2 Habitats within the Project Site

Works associated with the Project include the installation of LV cable near Nam Sang Wai Road. The alignment will be along the existing pavement/ road surface as far as possible. The Project Site, including works area, therefore is located within village area only, which is currently subject to a relatively high level of disturbance due to its being used as the only pedestrian access between Nam Sang Wai Road and the village area. Photographic records of the Project Site are as presented in ***Annex 1***.

During the ecological baseline survey, no flora species of conservation importance were recorded within the Project Site.

5.2 Terrestrial Wildlife

Wildlife recorded during the ecological surveys described in ***Section 4.2*** are presented below. The photo of the recorded species of conservation importance are in ***Annex 3***. A full list of fauna species recorded during the ecology surveys for the Project is found in ***Annexes 4 – 8***. The locations of species of conservation importance in the Study Area are shown in ***Figure 5.1.***

5.2.1 Mammals

The survey identified one mammal species within the Study Area. The recorded mammal species is of conservation importance, namely, Japanese Pipistrelle *Pipistrellus abramus*. Their conservation and protection status in Hong Kong are presented in ***Table 5.2*** below.

Table 5.2: Mammal Species of Conservation Importance Recorded within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status	Recorded Habitat
Mammal				
Japanese Pipistrelle	*Pipistrellus abramus*	東亞家蝠	Cap.170	Developed Area

Note:

Conservation Status:

a. Cap. 170: Protected under Wild Animals Protection Ordinance

5.2.2 Avifauna

The survey identified 34 bird species. Most of the bird species recorded are common and widespread in Hong Kong. A total of 15 bird species of conservation importance, namely Northern Shoveler *Spatula clypeata*, Eurasian Wigeon *Mareca penelope*, Black-faced Spoonbill *Platalea minor*, Black-crowned Night Heron *Nycticorax nycticorax*, Chinese Pond Heron *Ardeola bacchus*, Grey Heron *Ardea cinerea*, Great Egret *Ardea alba*, Little Egret *Egretta garzetta*, Great Cormorant *Phalacrocorax carbo*, Black Kite *Milvus migrans*, Black-winged Stilt *Himantopus himantopus*, Pied Avocet *Recurvirostra avosetta*, Common Greenshank *Tringa nebularia*, White-throated Kingfisher *Halcyon smyrnensis* and Collared Crow *Corvus torquatus* were recorded within the Study Area. Their

protection and/or conservation status are presented in ***Table 5.3.*** The photo of the recorded species of conservation importance are in ***Annex 3***.

Table 5.3: Avifauna of Conservation Importance recorded within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status	Recorded Habitat
Avifauna				
Northern Shoveler	*Spatula clypeata*	琵嘴鴨	Fellowes: RC	Watercourse
Eurasian Wigeon	*Mareca penelope*	赤頸鴨	Fellowes: RC	Watercourse
Black-faced Spoonbill	*Platalea minor*	黑臉琵鷺	Fellowes: PGC, RLCV(EN), IUCN(EN), CSMPS(II)	Watercourse
Black-crowned Night Heron	*Nycticorax nycticorax*	夜鷺	Fellowes: (LC)	Watercourse
Chinese Pond Heron	*Ardeola bacchus*	池鷺	Fellowes: PRC (RC)	Watercourse
Grey Heron	*Ardea cinerea*	蒼鷺	Fellowes: PRC	Watercourse
Great Egret	*Ardea alba*	大白鷺	Fellowes: PRC (RC)	Watercourse, Pond
Little Egret	*Egretta garzetta*	小白鷺	Fellowes: PRC (RC)	Watercourse, Pond
Great Cormorant	*Phalacrocorax carbo*	普通鸕鷀	Fellowes: PRC	Watercourse
Black Kite	*Milvus migrans*	黑鳶	Fellowes: (RC), CSMPS (II), CITES (II), Cap. 586	Watercourse
Black-winged Stilt	*Himantopus himantopus*	黑翅長腳鷸	Fellowes: RC	Watercourse
Pied Avocet	*Recurvirostra avosetta*	反嘴鷸	Fellowes: RC	Watercourse
Common Greenshank	*Tringa nebularia*	青腳鷸	Fellowes: RC	Watercourse
White-throated Kingfisher	*Halcyon smyrnensis*	白胸翡翠	Fellowes: (LC)	Watercourse
Collared Crow	*Corvus torquatus*	白頸鴉	Fellowes: LC, RLCV(NT), IUCN(VU)	Watercourse

Note:
Conservation Status:

a. Fellowes – Fellowes et al. (2002): PGC = Potential Global Concern, PRC = Potential Regional Concern, RC = Regional Concern, LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
b. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened, EN: Endangered
c. CSMPS – China State Major Protection Status: Appendix (I) or Appendix (II)
d. CITES – Under Appendix (I) or Appendix (II) of Convention on International Trade in Endangered Species of Wild Fauna
e. Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
f. All birds in Hong Kong are protected under Cap. 170 – Protected under Wild Animals Protection Ordinance

5.2.3 Herpetofauna

No herpetofauna species was recorded during the day and night survey within the Study Area.

5.2.4 Butterflies and Odonates

A total of 11 butterfly species and one odonate species were recorded within the Study Area. Most of the recorded butterfly and odonates species are considered to be common and widespread in Hong Kong. Three butterfly species of conservation importance, namely Tiny Grass Blue *Zizula hylax*, Danaid Egg-fly *Hypolimnas misippus*, and Small Cabbage White *Pieris rapae*, were recorded within the Study Area. Their protection and/or conservation status are presented in ***Table 5.6***. The photo of the recorded species of conservation importance are in ***Annex 3***.

Table 5.6 Butterfly Species of Conservation Importance Recorded within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation/ Protection Status	Distribution in Hong Kong (1)	Recorded Habitat
Tiny Grass Blue	*Zizula hylax*	長腹灰蝶	-	Very Rare, Species of Conservation Concern	Village Area
Danaid Egg-fly	*Hypolimnas misippus*	金斑蛺蝶	Fellowes: LC	Uncommon	Village Area
Small Cabbage White	*Pieris rapae*	菜粉蝶	-	Rare	Village Area

Notes:

1. Distribution in Hong Kong refers to AFCD database: Available at
   Chan, A., Cheung, J., Sze, P., Wong, A., Wong, E. and Yau, E. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12
2. Conservation Status: Fellowes – Fellowes et al. (2002): LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.

5.2.5 Aquatic Fauna

Four fish species and no aquatic invertebrate species were recorded in the watercourse habitat. No aquatic fauna species of conservation importance was recorded within the Study Area.

6. ECOLOGICAL EVALUATION

In this section the ecological importance of the habitats identified within the Study Area are evaluated in accordance with the *EIAO TM Annex 8* criteria. The evaluation is based upon the information of literature review and verification ecological baseline survey presented in the ***Sections 3 – 5***.

6.1 Study Area

A total of seven major terrestrial habitats have been identified within the Study Area, including plantation, shrubland/grassland, watercourse, fishpond, developed area, village area and managed wetland. The ecological importance evaluation of each habitat type within the Study Area is presented in ***Table 6.1*** to ***Table 6.5***.

Table 6.1: Ecological Evaluation of Plantation

Criteria	Plantation
Naturalness	Man-made habitat with planted species for landscaping purpose
Size	Approx. 1.06ha within the Study Area
Diversity	Low in diversity of plant species and structural complexity. Low diversity of fauna species.
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Recreatable
Fragmentation	Fragmented by developed areas. Three patches are found within the Study Area
Ecological Linkage	Limited linkage to adjacent habitat
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Unknown
Abundance/ Richness of Wildlife	Low abundance and richness for fauna species
Overall Ecological Importance	**Low**

Table 6.2: Ecological Evaluation of Shrubland/Grassland

Criteria	Shrubland/Grassland
Naturalness	Semi-natural habitat at early-stage of natural succession.
Size	Approx. 1.51ha within the Study Area
Diversity	Low to moderate diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Readily re-creatable.
Fragmentation	Fragmented into a few patches
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

Table 6.3: Ecological Evaluation of Watercourse

Criteria	Watercourse
Naturalness	Semi-natural watercourse and channelised watercourse are present in the Study Area. Anthropogenic influences were observed.
Size	Approx. 10.07ha within the Study Area
Diversity	Low in diversity of plant species and structural complexity. Low to moderate diversity of fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna species of conservation importance recorded during the surveys include: Avifauna – Northern Shoveler, Eurasian Wigeon, Black-faced Spoonbill, Black-crowned Night Heron, Chinese Pond Heron, Grey Heron, Great Egret, Little Egret, Great Cormorant, Black Kite, Black-winged Stilt, Pied Avocet, Common Greenshank, White-throated Kingfisher and Collared Crow
Re-creatability	Re-creatable under suitable hydrological conditions for main channelised channel; difficult to be re-created for semi-natural meanders and tributaries
Fragmentation	Not fragmented.
Ecological Linkage	Ecologically linked to adjacent fishpond habitats.
Potential Value	Act as foraging grounds for a multitude of water bird species. Could be enhanced by reducing pollution to watercourse.
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	River works completed in 2000s
Abundance/ Richness of Wildlife	Low to moderate abundance and richness for fauna species.
Overall Ecological Importance	**Moderate** for both semi-natural sections and channelised channel.

Table 6.4: Ecological Evaluation of Pond

Criteria	Pond
Naturalness	Anthropogenic habitat with high level of human disturbance
Size	Approx. 7.60ha within the Study Area
Diversity	Low diversity of plant species and moderate structural complexity in the riparian zones. Low to moderate diversity of terrestrial fauna species, especially birds.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna Species of conservation importance recorded during the surveys include: Avifauna –Great Egret, Little Egret and White-throated Kingfisher
Re-creatability	Re-creatable
Fragmentation	Majority not fragmented, some isolated
Ecological Linkage	Ecologically linked to adjacent ponds.
Potential Value	Ecological value could be enhanced by more ecologically friendly management methods.
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded. Potential breeding ground for water bird species.
Age	Unknown
Abundance/ Richness of Wildlife	Low to moderate abundance and richness for terrestrial fauna species.
Overall Ecological Importance	**Low to Moderate**

Table 6.2: Ecological Evaluation of Developed Area

Criteria	Developed Area
Naturalness	Anthropogenic habitat with high level of human disturbance.
Size	Approx. 2.21ha within the Study Area
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna Species of conservation importance recorded during the surveys include Mammal – Japanese Pipistrelle
Re-creatability	Readily re-creatable.
Fragmentation	N/A
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

Table 6.6: Ecological Evaluation of Village Area

Criteria	Village Area
Naturalness	Anthropogenic habitat with high level of human disturbance.
Size	Approx. 5.59ha within the Study Area
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna Species of conservation importance recorded during the surveys include Butterfly – Danaid Egg-fly, Small Cabbage White and Tiny Grass Blue
Re-creatability	Readily re-creatable.
Fragmentation	N/A
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

Table 6.7: Ecological Evaluation of Managed Wetland

Criteria	Managed Wetland
Naturalness	Semi-natural habitat with active human management for conservation purposes.
Size	Approx. 4.64ha within the Study Area
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.

Criteria	Managed Wetland
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Re-creatable under suitable hydrological conditions
Fragmentation	N/A
Ecological Linkage	Ecologically linked to adjacent ponds and watercourse.
Potential Value	Could be better enhanced with improved management practices
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded. Potential breeding ground for water bird species
Age	Less than 20 years.
Abundance/ Richness of Wildlife	Low abundance and richness for fauna species.
Overall Ecological Importance	**Low to Moderate**

6.2 Project Site

The Project Site, including works area, comprise of approximately 0.05ha of village area. The abundance and richness of wildlife are very low due to the small size of the Project Site and its adjacency to an existing, regularly used vehicular/ pedestrian access. No flora or fauna species was recorded within the Project Site during ecological baseline survey. No tree felling/ pruning will be required. The evaluation of village area within the Project Site is presented in ***Table 6.3***.

Table 6.3: Ecological Evaluation of Project Site

Criteria	Village Area within Project Site
Naturalness	Anthropogenic habitat with high level of human disturbance.
Size	Approx. 0.05ha
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Readily re-creatable.
Fragmentation	N/A
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

7. ECOLOGICAL ASSESSMENT

7.1 Identification of Potential Ecological Impacts

In view of the current habitat conditions of the Project Site and its vicinity and their ecological values, the potential ecological impacts associated with the LV cable laying near Nam Sang Wai Road is predicted as follows. The potential impacts would cease immediately upon completion of the installation works, where there will be no operational impacts.

- Temporary habitat loss and habitat disturbance within the Project Site due to excavation of cable trenches;
- Indirect disturbances to the surrounding habitats and associated wildlife due to the construction works (e.g. increased human activities, generation of dust, waste and noise and inappropriate disposal of construction materials); and
- Indirect impacts (pollution) on watercourses due to construction run-off.

7.2 Assessment of Ecological Impacts in the Absence of Mitigation Measures

In the absence of mitigation measures, the identified ecological impacts due to installation of the proposed cable along Tam Kon Chau Road are evaluated in the following sections.

7.2.1 Temporary Habitat Loss

Direct habitat loss arising from the Project limits to the cable trenches near Nam Sang Wai Road within village area. The construction works include excavation by QPME (Quality Powered Mechanical Equipment) excavators and the hand tools, cable laying and reinstatement. The dimension of the cable trenches, which will be reinstated upon completion of construction, is approximately 3m in width and 5.5m in depth. The Project's works area will be restricted to 1m on either of the proposed cable route, which will involve minimal vegetation clearance. Only transitional vegetated areas (with grass only) between the existing road/ paved surface and adjacent habitat. No tree felling or pruning will be involved.

In the absence of mitigation measures, the direct habitat loss caused by the Project is considered to be of **Very Low** to village area. The assessment of potential direct impact on habitats within the Project Site in the absence of mitigation measures is detailed in ***Table 7.1***.

Table 7.1: Temporary Loss of Existing Habitats within the Project Site

Criteria	Village Area
Habitat Quality	Low
Species	No flora and fauna species of conservation importance recorded during the surveys.
Size/Abundance	Small with a total area of 0.05ha (including works area). No tree removal and pruning will be involved.
Duration	Temporary, the works will be completed (including reinstatement) around 4 weeks
Reversibility	The trenches will be reinstated upon completion of construction
Magnitude	Very small
Overall Impact Severity	**Very Low**

7.2.2 Indirect Disturbances to Surrounding Habitats and Associated Wildlife

The surrounding habitats including fish ponds and watercourses adjacent to the Project Site could be indirectly impacted by the Project, due to construction-induced disturbances arising from the Project. Increased human activities (esp. during the construction phase) and construction activities would be the main source of disturbance accrued from the proposed works. Noise, dust, waste generation, and visual disturbance, which may arise from the construction activities, are predicted to occur during construction. As the cable alignment will be located along the existing pavement/ road surface as far as possible, the excavation is not expected to cause direct disturbance or the physical damages to the surrounding habitats.

Different terrestrial ecological resources, including avifauna and butterfly species of conservation importance, have been identified to be located in the vicinity of the proposed cable route. These species could be indirectly impacted by the proposed construction works.

According to the baseline ecological survey and literature review, fauna inhabiting the nearby area are highly mobile and able to move to the other similar habitats, which are large in area and with higher habitat quality. Furthermore, the fauna recorded in the Study Area were less susceptible to the anthropogenic disturbances. Therefore, nuisances induced by the small-scale construction work along the Project Site would not have significant impact to surrounding wildlife. As observed during the baseline survey, waterbirds in the Study Area are generally not disturbed by frequent human activity, traffic and activity from construction. However, the excavation could pose risk to smaller fauna species such as small mammals and amphibian, where they could be trapped in open trenches.

In the absence of mitigation measures, the above-mentioned disturbance impact on surrounding habitats and associated wildlife due to noise, dust, waste generation and visual disturbance etc. caused by increased human activities is considered to be **Low**.

7.2.3 Indirect Impact (Pollution) on Watercourses

Site runoff from the works area may contain suspended solids and contaminants if uncontrolled. Potential sources of water pollution from uncontrolled site runoff may include runoff and erosion of exposed bare soil, earth and stockpiles, fuel, oil, and lubricant from maintenance of construction mechanical equipment. Water pollution could be substantial if construction runoff is allowed to discharge without mitigation, resulting in adverse impacts through physical and biological disruption of the area's ecosystem. Taking into account the small scale of the construction works, in the absence of mitigation measures, the impact of potential water pollution caused by the Project is considered to be of **Low to Moderate** significance.

7.3 Cumulative Impact

No concurrent project, of which the construction programme would have overlapped with this Project, is identified within the Study Area. And hence, cumulative impact is not anticipated for this Project.

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8. MITIGATION AND PRECAUTIONARY MEASURES

Based on the ecological impacts predicted in ***Section 7***, mitigation measures to avoid, minimise or compensate (if necessary) for the potential significant impacts are detailed below. In line with the EIAO-TM, ways to avoid impacts were identified and followed wherever possible during the planning and design stage. If, despite taking all appropriate design measures of avoidance and minimisation, potential ecological impacts of greater than "Low" significance are still anticipated, further mitigation measures are considered necessary to reduce these impacts to an acceptable level. Moreover, to achieve a better ecological performance, precautionary measures are proposed under this project for certain potential ecological impacts that are not considered to be significant.

In order to minimise the potential disturbances arising the project, good site/ construction practice and housekeeping measures will be adopted. Mitigation measures and good construction practices are recommended below.

8.1 Avoidance and Minimisation

- During the planning stage, the Project Proponent has conducted site visits with contractors to minimise footprint/ impact on vegetation, tree and habitat loss at any stage of the Project. No tree felling or pruning will be caused by the Project.
- The cable laying work will be constructed section by section. The trench will be backfilled with soil stocking before moving to next section.
- The construction period will be between April and May 2023 for about four weeks, which will avoid the wintering season of migratory birds.
- The relevant statutory requirements for the construction activities will be complied with.

8.2 Mitigation for Indirect Disturbances to Surrounding Habitats and Associated Wildlife

- All construction activities will be carried out in daytime hours (i.e. 8:00 am to 5:00 pm) only, which is at least one hour after sunrise and over one hour before sunset;
- The construction works would be carried out using QPME excavators and hand tools to minimise the potential impacts;
- The boundary of the works area will be clearly marked by temporary fence. The works area boundaries will be regularly checked to ensure that they are not breached and that no adverse impacts occur to surrounding habitat and associated wildlife;
- Contractors will check the excavation trench each day, prior to commencing work, to ensure that no mammals, reptiles or amphibians are trapped in the trench;
- Adopt appropriate measures including controlled wastewater discharge to the nearby water bodies, in accordance with the guidelines stipulated in Environmental Protection Department (EPD)'s *Practice Note for Professional Persons on Construction Site Drainage (ProPECC PN1/94)* during the construction works to properly control site run-off and drainage and to minimise potential water quality impacts;
- In the event of rain or at any time when rainstorms are likely to happen, exposed surfaces within the works area should be covered by tarpaulin or by other means;
- Avoid any damage and disturbance, particularly those caused by filling and illegal dumping to the surrounding natural habitats;
- Prohibit and prevent open fires within the works area boundary during construction and provide temporary firefighting equipment in the work areas;

- Good site practice will be enforced and effective mitigation measures are required. Works site will be kept tidy at all times. Regular watering to minimise dust emissions from exposed site surfaces and construction activities would be provided. The dusty materials and the open stockpiles shall be avoided or covered fully by the tarpaulin. Accumulation of construction waste and general refuse will not be allowed; and
- Upon completion of the construction works at each section, the works areas will be reinstated.

8.3 Residual Ecological Impacts after Implementation of Proposed Mitigation Measure

Table 8.1 summarises the potential ecological impacts of the project, the impacts that require mitigation, the mitigation measures to be carried out and the residual impacts after mitigation. It can be seen that with the implementation of proposed mitigation measures described above, residual impacts of the Project could be reduced to **Low/ Negligible**.

Table 8.1: Summary of Potential Ecological Impacts, Required Mitigation Measures and Post-mitigation Acceptability of the Project

Potential Impact	Predicted Significance of Impact in Absence of Mitigation Measures	Proposed Mitigation/ Precautionary Measures	Residual Impact
Direct Habitat Loss (Developed Area)	**Very Low**	• Not required	**Very Low**
Indirect Disturbances to Surrounding Habitats and Associated Wildlife	**Low**	• The construction period will be between April and May 2023 for four weeks, which will avoid the wintering season of migratory birds. • All construction activities will be carried out in daytime hours (i.e. 8:00 am to 5:00 pm) only, which is at least one hour after sunrise and over one hour before sunset; • The construction works would be carried out using QPME excavators and hand tools; • The boundary of the works area will be clearly marked by temporary fence. The works area boundaries will be regularly checked to ensure that they are not breached and that no adverse impacts occur to surrounding habitat and associated wildlife; and • Contractors will check the excavation trench each day, prior to commencing work, to ensure that no mammals, reptiles or amphibians are trapped in the trench.	**Low/ Negligible**
Indirect Impact (Pollution) on Watercourses	**Low to Moderate**	• Adopt appropriate measures including controlled wastewater discharge to the nearby water bodies, in accordance with the guidelines stipulated in Environmental Protection Department (EPD)'s *Practice Note for Professional Persons on Construction Site Drainage (ProPECC PN1/94)* during the construction works to properly control site run-off and drainage and to minimise potential water quality impacts; • In the event of rain or at any time when rainstorms are likely to happen, exposed surfaces within the works area should be covered by tarpaulin or by other means; • Avoid any damage and disturbance, particularly those caused by filling and illegal dumping to the surrounding natural habitats; and • Good site practice will be enforced and effective mitigation measures are required. Works site will be kept tidy at all times. Regular watering to minimise dust emissions from exposed site surfaces and construction activities would be provided. The dusty materials and the open stockpiles shall be avoided or covered fully by the tarpaulin. Accumulation of construction waste and general refuse will not be allowed.	**Low/ Negligible**
Cumulative Impact	**Not anticipated**	• Not required	**Not anticipated**

9. SUMMARY OF ECOLOGICAL ASSESSMENT

The main terrestrial ecological resources recorded within the proposed construction works section of the Study Area comprise of plantation, shrubland/grassland, watercourse, pond, developed area, village area, managed wetland, and their associated wildlife, where the Project Sites will be restricted to village area on Nam Sang Wai Road. Majority of the habitat within the Study Area is considered to be anthropogenic with frequent disturbance from traffic on Nam Sang Wai Road and commercial fishpond operation. The ecological value of the habitats is considered to be moderate for watercourse; low to moderate for pond and managed wetland, low for plantation, shrubland/grassland, developed area and village area.

The village area within the Project Site is considered to have a low level of ecological value, given that the habitat nature is anthropogenic with high level of human disturbance. The Project Site support a very low diversity of flora and fauna species, where the proposed cable route has also been designed to avoid any tree felling and tree pruning. In the absence of mitigation measures, the temporary habitat loss within Project Site is considered to be of Very Low significance. The potential indirect disturbances to surrounding habitat and associated wildlife is considered to be of Low significance, and indirect impact (pollution) on watercourses is considered to be Low to Moderate.

In order to mitigate for the potential ecological impacts, the proposed works will be conducted in daytime hours only and contractors will be checking the presence of wildlife in open trenches to minimise potential impact on wildlife. Good site practices and the measures in accordance with the Practice Notes for Professional Persons on "*Construction Site Drainage*" (ProPECC PN 1/94) will be applied to control surface runoff and the potential pollution to watercourse.

With the implementation of the proposed mitigation measures, residual ecological impacts of the Project would be of low/negligible significance and acceptable.

Annex 1

Habitat Photos

Plantation

Shrubland/Grassland

Watercourse

Fishpond

Annex 1

Habitat Photos

DATE: 12/12/2022

Environmental Resources Management

ERM

Developed Area

Village Area

Managed Wetland

Annex 1

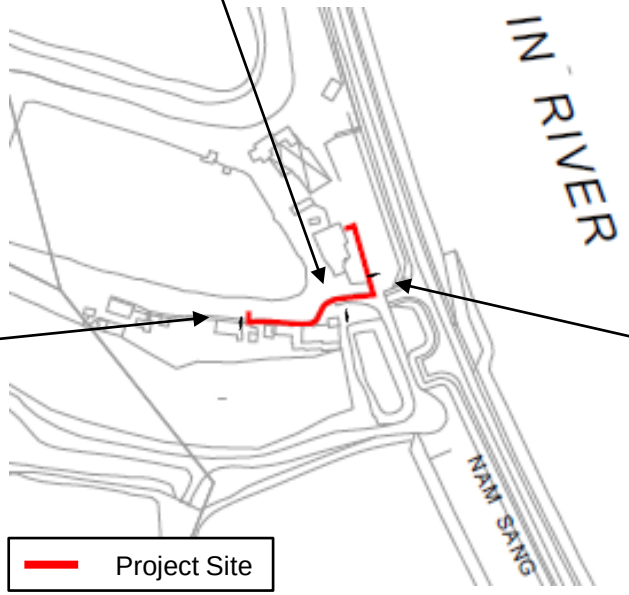
DATE: 12/12/2022

Habitat Photos

Environmental Resources Management

ERM

Village Area (Project Site)



Village Area (Project Site)

Village Area (Project Site)

Annex 1

DATE: 12/12/2022

Habitat Photos

Environmental Resources Management

ERM

Annex 2

Presence of Plant Species Recorded Within the Study Area

Annex 2 Presence of Plant Species Recorded Within the Study Area

Species Name	Chinese Name	Origin[1]	Growth Form	Status in Hong Kong[2]	Status in Hong Kong[2]	Conservation Status[3]	Study Area						Project Site	
							WC	PO	VA	DA	S/G	PL	MW	VA
Acacia auriculiformis	耳果相思	E	Tree	Widely cultivated								✓	✓	
Acacia mangium	大葉相思, 馬占相思	E	Tree	Widely cultivated								✓		
Acanthus ilicifolius	老鼠簕	E	Shrub	Common			✓	✓					✓	
Acrostichum aureum	鹵蕨	N	Herb	Restricted			✓	✓						
Agave americana	龍舌蘭	N	Herb	Common					✓		✓			✓
Allamanda schottii	硬枝黃蟬	E	Shrub	Cultivated					✓		✓			✓
Alocasia macrorrhizos	海芋	N	Herb	Common					✓		✓			✓
Alysicarpus vaginalis	鏈荚豆	N	Herb	Very common						✓				
Averrhoa carambola	楊桃	E	Tree	Common					✓					✓
Avicennia marina	白骨壤	N	Shrub	Common			✓							
Bambusa multiplex	觀音竹	E	Bamboo	Common							✓			
Bidens alba	白花鬼針草	E	Herb	Very common			✓	✓	✓	✓	✓			✓
Bischofia javanica	秋楓	N	Tree	Common								✓	✓	
Bombax ceiba	木棉	E	Tree	Cultivated						✓	✓		✓	
Bougainvillea spectabilis	簕杜鵑	E	Climber/Shrub	Cultivated					✓				✓	✓
Brachiaria subquadripara	四生臂形草	N	Herb	-						✓	✓			
Bridelia tomentosa	**土蜜樹**	N	Shrub/Tree	Very common						✓	✓		✓	
Broussonetia papyrifera	構樹	N	Tree	Very common					✓	✓	✓			✓
Calliandra haematocephala	朱纓花, 紅絨球	E	Shrub	Cultivated							✓	✓		
Callistemon viminalis	串錢柳	E	Tree	Cultivated								✓		
Celosia argentea	青葙	N	Herb	Very common			✓		✓	✓	✓			✓
Chloris barbata	孟仁草	N	Herb	Very common					✓	✓	✓			✓
Cleome rutidosperma	皺子白花菜	E	Herb	Restricted							✓			
Coccinia grandis	紅瓜	N	Climber	Common				✓			✓			
Cuscuta chinensis	菟絲子	N	Herb	Common				✓		✓			✓	
Cyclosorus interruptus	間斷毛蕨, 毛蕨	N	Shrub	Common				✓					✓	
Cynodon dactylon	狗牙根	N	Herb	Very common			✓	✓	✓	✓	✓		✓	✓
Desmodium heterocarpon	假地豆	N	Shrub	Very common						✓	✓			
Desmos chinensis	假鷹爪	N	Climber/Shrub	Common							✓			
Dimocarpus longan	龍眼, 桂圓	E	Tree	Restricted					✓		✓			✓
Dypsis lutescens	散尾葵	E	Shrub	Common					✓					✓
Eichhornia crassipes	鳳眼藍, 大水萍	E	Herb	Common			✓	✓						
Eucalyptus citriodora	檸檬桉	E	Tree	Cultivated								✓	✓	
Eucalyptus urophylla	尾葉桉	E	Tree	Cultivated							✓			
Euphorbia hirta	大飛揚草	E	Herb	Very common					✓	✓			✓	✓
Euphorbia thymifolia	千根草, 小飛揚	N	Herb	Very Common					✓	✓				✓
Excoecaria agallocha	海漆	N	Tree	Common			✓							
Fagraea ceilanica	灰莉	E	Shrub	-					✓					✓
Ficus hispida	對葉榕	N	Shrub/Tree	Very common					✓		✓			✓
Ficus microcarpa	細葉榕	N	Tree	Common					✓	✓			✓	✓
Ficus pumila	薜荔	N	Climber	Very common					✓	✓				✓
Ficus virens	黃葛樹, 大葉榕	N	Tree	Common						✓	✓			
Flueggea virosa	白飯樹	N	Shrub	Common					✓	✓			✓	✓
Hedyotis corymbosa	傘房花耳草	N	Herb	Very common				✓		✓				
Hibiscus tiliaceus	黃槿	N	Tree	Very common			✓	✓			✓		✓	
Hylocereus undatus	量天尺, 霸王花, 火龍果	E	Herb	Common					✓					✓
Hyophorbe lagenicaulis	酒瓶椰子	E	Tree	-					✓					✓
Hypserpa nitida	夜花藤	N	Climber	Very common						✓	✓			
Indigofera suffruticosa	野青樹	N	Small Tree	Restricted						✓	✓			
Ipomoea nil	牽牛	E	Herb	Common					✓	✓	✓			✓
Ipomoea obscura	小心葉薯, 紫心牽牛	N	Herb	Common					✓	✓	✓			✓
Ischaemum aristatum	鴨嘴草	N	Herb	-			✓	✓						
Kandelia obovata	水筆仔	N	Tree	Very common			✓						✓	
Koelreuteria bipinnata	複羽葉欒樹	E	Tree	Cultivated								✓		
Lagerstroemia speciosa	大花紫薇	E	Tree	Cultivated								✓		
Lantana camara	馬纓丹, 如意草	E	Shrub	Common						✓	✓	✓		
Lemna minor	浮萍	N	Herb	-				✓						
Leucaena leucocephala	銀合歡	E	Shrub/Tree	Common			✓	✓	✓	✓	✓		✓	✓
Lindernia crustacea	母草	N	Herb	Common						✓	✓			
Liriope spicata	山麥冬, 麥門冬	N	Herb	Very common				✓						
Litchi chinensis	荔枝	E	Tree	Restricted					✓		✓			✓
Litsea glutinosa	潺槁樹	N	Tree	Very common								✓		
Lucuma nervosa	蛋黃果	E	Tree	Common				✓	✓					✓
Ludwigia hyssopifolia	草龍	N	Herb	Common				✓						
Macaranga tanarius var. tomentosa	血桐	N	Tree	Common			✓		✓		✓			✓
Mangifera indica	芒果	E	Tree	Cultivated							✓			
Melaleuca cajuputi subsp. Cumingiana	白千層	E	Tree	Cultivated								✓		
Melia azedarach	苦楝	E	Tree	Common						✓	✓		✓	
Melinis repens	紅毛草	E	Herb	Very common					✓	✓	✓			✓
Microcos nervosa	**破布葉，布渣葉**	N	Shrub/Tree	Common					✓	✓	✓			✓
Mikania micrantha	薇甘菊	E	Climber/Herb	Common				✓	✓	✓	✓		✓	✓
Mimosa pudica	含羞草	E	Herb	Very common					✓	✓			✓	✓
Morus alba	桑	N	Shrub/Tree	Common						✓	✓			

Annex 2 Presence of Plant Species Recorded Within the Study Area

Species Name	Chinese Name	Origin[1]	Growth Form	Status in Hong Kong[2]	Status in Hong Kong[2]	Conservation Status[3]	Study Area							Project Site
							WC	PO	VA	DA	S/G	PL	MW	VA
Paederia scandens	雞矢藤	N	Herb	Very common				✓	✓	✓	✓			✓
Panicum maximum	大黍	E	Herb	Very common			✓	✓	✓	✓	✓			✓
Passiflora foetida	龍珠果	E	Climber	Very common					✓	✓	✓			✓
Passiflora suberosa	南美西番蓮	E	Climber	Common				✓	✓	✓	✓			✓
Peltophorum pterocarpum	盾柱木	E	Tree	Cultivated								✓		
Pennisetum purpureum	象草	E	Herb	Very common				✓						
Phragmites australis	蘆葦	N	Herb	Common			✓	✓					✓	
Phyllanthus emblica	餘甘子, 油甘子	N	Shrub/Tree	Common						✓		✓		
Phyllanthus myrtifolius	瘤腺葉下珠	E	Shrub	-								✓		
Portulaca oleracea	馬齒莧	N	Herb	Common							✓			
Rhaphiolepis indica	車輪梅	N	Shrub/Tree	Very common							✓		✓	
Sageretia thea	雀梅藤	N	Climber/Shrub	Very common							✓	✓		
Sansevieria trifasciata	虎尾蘭	E	Herb	Cultivated					✓					✓
Sapium discolor	山烏桕	N	Tree	Very common							✓			
Schefflera arboricola	鵝掌藤	E	Climber/Shrub	Common					✓			✓	✓	✓
Scoparia dulcis	野甘草, 冰塘草	E	Herb/Shrub	Common				✓	✓	✓	✓			✓
Senna siamea	鐵刀木, 暹羅槐	E	Tree	Common								✓		
Sesbania cannabina	田菁	E	Herb	Common				✓		✓	✓			
Solanum torvum	水茄	E	Shrub	Common				✓	✓	✓	✓			✓
Sonneratia sp.	海桑屬	E	Tree	Introduced			✓	✓					✓	
Sterculia lanceolata	假蘋婆	N	Tree	Very common					✓		✓			✓
Suaeda australis	南方鹼蓬	N	Herb/Shrub	Common			✓							
Syzygium cumini	海南蒲桃	E	Tree	Common								✓		
Syzygium jambos	蒲桃	E	Tree	Common					✓					✓
Trachelospermum jasminoides	絡石	N	Climber	-								✓		
Tridax procumbens	羽芒菊	E	Herb	Very common					✓	✓				✓
Typha angustifolia	水燭	E	Herb	Rare				✓					✓	
Urena lobata	肖梵天花, 地桃花	N	Shrub	Common							✓			
Vernonia amygdalina	南非葉	E	Shrub	-					✓					✓
Wedelia trilobata	三裂葉蟛蜞菊	E	Herb	Common					✓	✓	✓	✓	✓	✓
Wisteria sinensis	紫藤	E	Climber	Cultivated					✓					✓
				104	**TOTAL**	**TOTAL**	**17**	**27**	**45**	**41**	**51**	**20**	**25**	**45**

Notes:

1. Origin of plant species refers to AFCD (2012). Check List of Hong Kong Plants 2012. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong.
2. Commonness follows:
   - Xing, F.W., Ng, S.C., Chau, L.K.C. 2000. Gymnosperms and angiosperms of Hong Kong. Memoirs of the Hong Kong Natural History Society 23: 21-136.
   - KFBG (2003) Flora of Hong Kong – Pteridophyta. Kadoorie Farm and Botanic Garden, Hong Kong
   - AFCD (2003) Rare and Precious Plants of Hong Kong. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong.
   - AFCD (2007) Flora of Hong Kong Vol. 1. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden, Chinese Academy of Sciences
   - AFCD (2008) Flora of Hong Kong Vol. 2. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden Chinese Academy of Sciences
   - AFCD (2009) Flora of Hong Kong Vol. 3. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden Chinese Academy of Sciences
   - AFCD (2011) Flora of Hong Kong Vol. 3. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden Chinese Academy of Sciences

   Conservation status follows:
   - AFCD (2003) Rare and Precious Plants of Hong Kong. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong.
   - Cap. 96A: Forestry Regulations, the subsidiary legislation of Forests and Countryside Ordinance (Cap. 96).
   - Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
   - CPRDB: Fu and Jin (1992) China Plant Red Data Book
   - IUCN: International Union for Conservation of Nature Red List of Threatened Species (2017). NT = Near threatened, VU = Vulnerable.
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, FP = Fishpond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 3

Photographic Records of Species of Conservation Importance

Northern Shoveler

Eurasian Wigeon

Black-faced Spoonbill

Black-crowned Night Heron

Annex 3

Photographic Records of Species of Conservation Importance

DATE: 12/12/2022

Environmental Resources Management

ERM

Chinese Pond Heron

Grey Heron

Great Egret

Little Egret

Annex 3

Photographic Records of Species of Conservation Importance

DATE: 12/12/2022

Environmental Resources Management

ERM

Great Cormorant

Black-winged Stilt

Pied Avocet

Common Greenshank

Annex 3

Photographic Records of Species of Conservation Importance

DATE: 12/12/2022

Environmental Resources Management

ERM

White-throated Kingfisher

Pied Kingfisher

Collared Crow

Danaid Egg-fly

Annex 4

Presence of Mammal Species Recorded Within the Study Area

Annex 4 Presence of Mammal Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Commonness[2]	Habitat[3] Study Area							
					PL	S/G	WC	PO	DA	VA	MW	Project VA
Japanese Pipistrelle	*Pipistrellus abramus*	東亞家蝠	Cap.170	Widely distributed throughout Hong Kong.					1			
				TOTAL	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**

Notes:

1. Conservation and Protection Status:
   a. Cap. 170 – Protected under Wild Animals Protection Ordinance
2. Commonness as per AFCD database: Available at https://bih.gov.hk/en/home/index.html
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 5

Presence of Avifauna Species Recorded Within the Study Area

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Northern Shoveler	*Spatula clypeata*	琵嘴鴨	Fellowes: RC	Abundant winter visitor. Found in Deep Bay area.			**14**					
Eurasian Wigeon	*Mareca penelope*	赤頸鴨	Fellowes: RC	Winter visitor. Found in Deep Bay area, Tai Lam Chung.			**3**					
Black-faced Spoonbill	*Platalea minor*	黑臉琵鷺	Fellowes: PGC; RLCV(EN); IUCN(EN); CSMPS(II)	Common winter visitor. Found in Deep Bay area.			**2**					
Black-crowned Night Heron	*Nycticorax nycticorax*	夜鷺	Fellowes: (LC)	Common resident and migrant. Widely distributed in Hong Kong.			**1**					
Chinese Pond Heron	*Ardeola bacchus*	池鷺	Fellowes: PRC (RC)	Common resident. Widely distributed in Hong Kong.			**6**					
Grey Heron	*Ardea cinerea*	蒼鷺	Fellowes: PRC	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Aguilar.			**4**					
Great Egret	*Ardea alba*	大白鷺	Fellowes: PRC (RC)	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.			15	2				
Little Egret	*Egretta garzetta*	小白鷺	Fellowes: PRC (RC)	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.			20	1				
Great Cormorant	*Phalacrocorax carbo*	普通鸕鷀	Fellowes: PRC	Common winter visitor. Widely distributed in coastal areas throughout Hong Kong.			3					
Black Kite	*Milvus migrans*	黑鳶	Fellowes: (RC); CITES(II); CSMPS(II); Cap.586	Common resident and winter visitor, widely distributed in Hong Kong			2					

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Black-winged Stilt	*Himantopus himantopus*	黑翅長腳鷸	Fellowes: RC	Common migrant and wintor visitor. Found in Deep Bay area, Long Valley, Kam Tin.			5					
Pied Avocet	*Recurvirostra avosetta*	反嘴鷸	Fellowes: RC	Abundant winter visitor. Found in Deep Bay area.			3					
Common Sandpiper	*Actitis hypoleucos*	磯鷸	-	Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.			1					
Common Greenshank	*Tringa nebularia*	青腳鷸	Fellowes: RC	Abundant winter visitor and migrant. Found in Deep Bay area.			1					
Rock Dove	*Columba livia*	原鴿	-	Locally common resident. Widely distributed in urban area throughout Hong Kong.					7			
Spotted Dove	*Spilopelia chinensis*	珠頸斑鳩	-	Abundant resident. Widely distributed in Hong Kong.	1	2	2		2			
White-throated Kingfisher	*Halcyon smyrnensis*	白胸翡翠	Fellowes: (LC)	Common resident. Widely distributed in coastal areas throughout Hong Kong.			1					
Pied Kingfisher	*Ceryle rudis*	斑魚狗	Fellowes: (LC)	Common resident. Widely distributed in lakes and ponds throughout Hong Kong.				1				
Collared Crow	*Corvus torquatus*	白頸鴉	Fellowes: LC; RLCV(NT); IUCN(VU)	Locally common resident. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek lap Kok, Shuen Wan, Lam Tsuen.			2					

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Large-billed Crow	*Corvus macrorhynchos*	大嘴烏鴉	-	Common resident. Widely distributed in Hong Kong.		1						
Red-whiskered Bulbul	*Pycnonotus jocosus*	紅耳鵯	-	Abundant resident. Widely distributed in Hong Kong.		2			1			
Chinese Bulbul	*Pycnonotus sinensis*	白頭鵯	-	Abundant resident. Widely distributed in Hong Kong.	3	1						
Barn Swallow	*Hirundo rustica*	家燕	-	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.			1					
Dusky Warbler	*Phylloscopus fuscatus*	褐柳鶯	-	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	1				1			
Plain Prinia	*Prinia inornata*	純色鷦鶯	-	Locally common resident. Widely distributed in grassland throughout Hong Kong.			1					
Masked Laughingthrush	*Pterorhinus perspicillatus*	黑臉噪鶥	-	Abundant resident. Widely distributed in shrubland throughout Hong Kong.		2				4		4
Crested Myna	*Acridotheres cristatellus*	八哥		Abundant resident. Widely distributed in Hong Kong.			14		3	3		
Black-collared Starling	*Gracupica nigricollis*	黑領椋鳥	-	Common resident. Widely distributed in Hong Kong.			1		1	3		
Daurian Redstart	*Phoenicurus auroreus*	北紅尾鴝	-	Common winter visitor. Widely distributed in Hong Kong.	1		1					

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Stejneger's Stonechat	*Saxicola stejnegeri*	黑喉石鵖	-	Common passage migrant and winter visitor. Widely distributed in open fields throughout Hong Kong.			2				1	
Fork-tailed Sunbird	*Aethopyga christinae*	叉尾太陽鳥	-	Common resident and winter visitor. Widely distributed in Hong Kong.					1			
Eurasian Tree Sparrow	*Passer montanus*	樹麻雀	-	Abundant resident. Widely distributed in Hong Kong.					2	3		
Scaly-breasted Munia	*Lonchura punctulata*	斑文鳥	-	Abundant resident. Widely distributed in Hong Kong.				40				
White Wagtail	*Motacilla alba*	白鶺鴒	-	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.			1			2	1	
			TOTAL		**4**	**5**	**24**	**4**	**8**	**5**	**2**	**1**

Notes:

1. Conservation and Protection Status:
   a. Fellowes – Fellowes *et al.* (2002): LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern.
      Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
   b. CITES (II) – Under Appendix II of Convention on International Trade in Endangered Species of Wild Fauna and Flora
   c. CSMPS – China State Major Protection Status: Appendix I/II
   d. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened
   e. Cap. 586 - Protected under Protection of Endangered Species of Animals and Plants Ordinance
   f. IUCN – IUCN (2022): VU = Vulnerable
   g. All birds in Hong Kong are protected under Cap. 170 – Protected under *Wild Animals Protection Ordinance*
2. Distribution as per AFCD database. Available at https://bih.gov.hk/en/home/index.html
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 6

Presence of Butterfly Species Recorded Within the Study Area

Annex 6 Presence of Butterfly Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Consevation/ Protection Status	Distribution in Hong Kong [1]	Habitat[2] Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Long-tailed Blue	*Lampides boeticus*	亮灰蝶	-	Common						1		
Tiny Grass Blue	*Zizula hylax*	長腹灰蝶	-	Very Rare; Species of Conservation Concern						1		
Common Indian Crow	*Euploea core*	幻紫斑蝶	-	Common			1					
Danaid Egg-fly	*Hypolimnas misippus*	金斑蛱蝶	Fellowes: LC	Uncommon						1		
Common Sailer	*Neptis hylas*	中環蛱蝶	-	Very Common					1			
Dark-brand Bush Brown	*Mycalesis mineus*	小眉眼蝶	-	Very Common					1			
Tailed Jay	*Graphium agamemnon*	統帥青鳳蝶	-	Common								
Common Mormon	*Papilio polytes*	玉帶鳳蝶	-	Very Common					1			
Common Grass Yellow	*Eurema hecabe*	寬邊黃粉蝶	-	Very Common						1		
Red-base Jezebel	*Delias pasithoe*	報喜斑粉蝶	-	Very Common					1			
Small Cabbage White	*Pieris rapae*	菜粉蝶	-	Rare						1		
				TOTAL	**0**	**0**	**1**	**0**	**4**	**5**	**0**	**0**

Notes:

1. Distribution in Hong Kong refers to AFCD database: Chan et al. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12
2. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 7

Presence of Odonate Species Recorded Within the Study Area

Annex 7 Presence of Odonate Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Rarity in Hong Kong [1]	Distribution in Hong Kong [2]	Habitat [3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Wandering Glider	*Pantala flavescens*	黃蜻	Abundant	Widely distributed all over Hong Kong.				10	1			
TOTAL					**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**

Notes:

1. Rarity in Hong Kong refers to AFCD database: Available at http://www.afcd.gov.hk/english/conservation/hkbiodiversity/database/search.asp?lang=en.
2. Distribution as per AFCD database. Available at https://bih.gov.hk/en/home/index.html
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 8

Presence of Aquatic Fauna Species Recorded Within the Study Area

Annex 8 Presence of Aquatic Fauna Species Recorded Within the Study Area

Scientific Name	Common Name	Chinese Name	Conservation Status[1]	Habitat[2]							
				Study Area							Project Site
				PL	SH	WC	PO	DA	VA	MW	VA
Freshwater Fish											
Clarias gariepinus	North African Catfish	尖齒鬍鯰	-				+				
Oreochromis niloticus	Nile Tilapia	尼羅口孵非鯽	-				+++				
Boleophthalmus pectinirostris	Bluespotted Mudskipper	大彈塗魚	-				++++				
Channa maculata	Spotted Snakehead	斑鱧	-				+				
			TOTAL	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**

Notes:

1. Conservation and Protection Status:
   a. Fellowes – Fellowes *et al.* (2002): PGC = Potential Global Concern.
2. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

回覆: Application No. A/YL-NSW/307 Departmental Comment (AFCD and EPD)
17/05/2023 15:38
From: "Leung, Issac Wai Kit" <issac.leung@pel-teams.com.hk>
To: "tpbpd@pland.gov.hk" <tpbpd@pland.gov.hk>
[redacted]
History:
This message has been forwarded.
1 Attachment
AYL-NSW307 TTA.pdf

Dear Sir/madam,

For the relevant application number: A/YL-NSW/307,we would like reply the departmental comment for TD.

Best Regards,
Issac Leung
TEL:[redacted]
Pacific Extend Limited

寄件者: Leung, Issac Wai Kit
寄件日期: 2023年5月17日 10:48
收件者: tpbpd@pland.gov.hk <tpbpd@pland.gov.hk>
[redacted]
主旨: Application No. A/YL-NSW/307 Departmental Comment (AFCD and EPD)

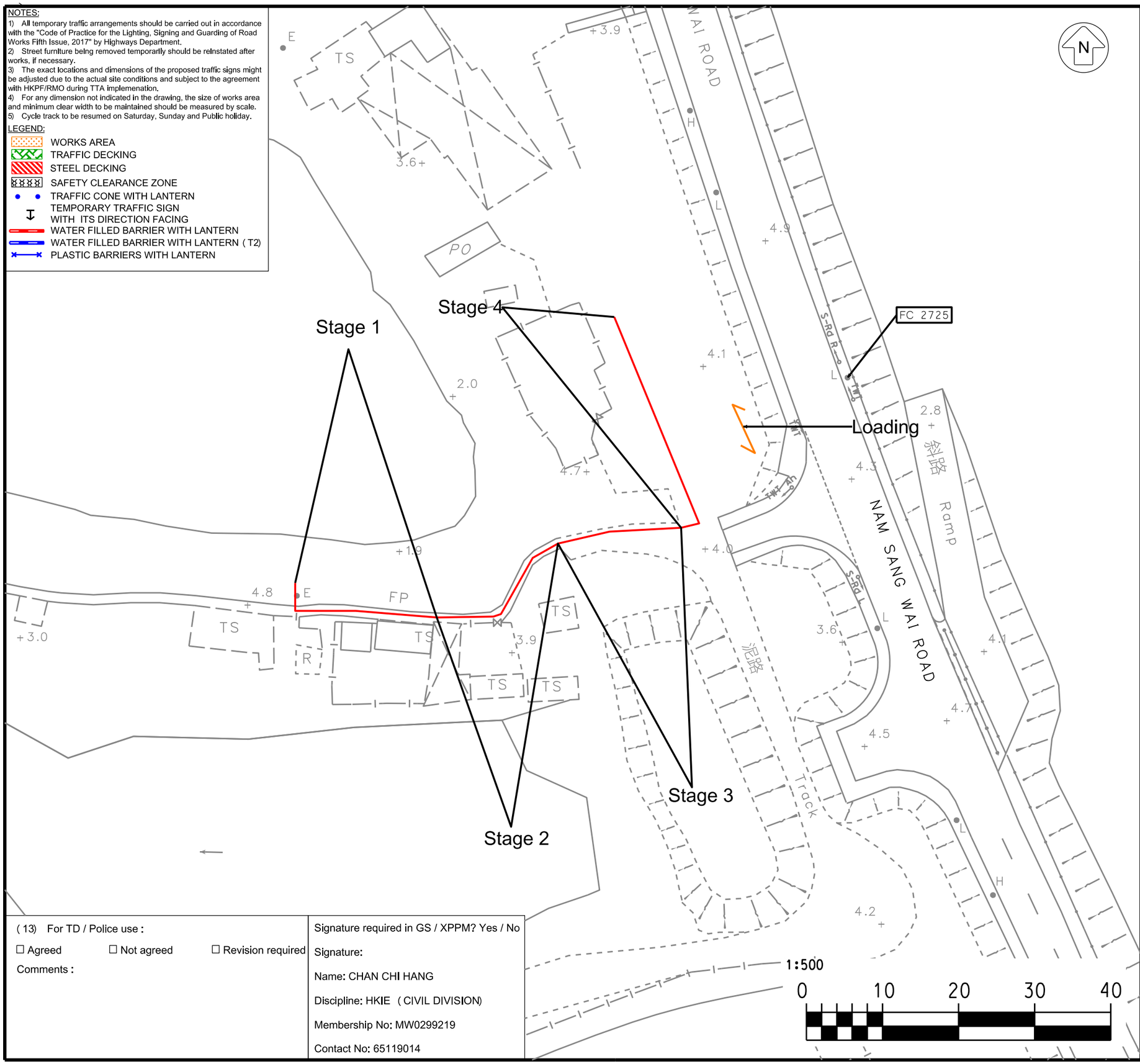
Dear Sir/madam,

For the relevant application number: A/YL-NSW/307,we would like reply the departmental comment for AFCD and EPD.

Best Regards,
Issac Leung
TEL[redacted]7
Pacific Extend Limited

NOTES:
1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:
- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :

(2) Project Office : CLP 中中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-Keyplan

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☐Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration :_____ months / weeks / days

(B) Temp. P/S Closure :
☐Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration :_____ months / weeks / days

(C) Temp. NLT/NRT :
☐*Nil* ☐*NLT* ☐*NRT*
Net duration :_____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☐Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration :_____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☐*Nil* ☐*80* ☐*70* ☐*50*
Net duration :_____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☐ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

*(G) Others / Remarks :*_____

☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :

Start :_____ End :_____
Duration of works :_____ months / weeks / days

(12) Remarks :
☐For Extension / re-endorsement. reason :_____
☐Last meeting / approval date :_____
☐Others :_____

(13) For TD / Police use :

☐ Agreed ☐ Not agreed ☐ Revision required

Comments :

Signature required in GS / XPPM? Yes / No

Signature:

Name: CHAN CHI HANG

Discipline: HKIE (CIVIL DIVISION)

Membership No: MW0299219

Contact No: 65119014

NOTES:
1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
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LEGEND:
- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
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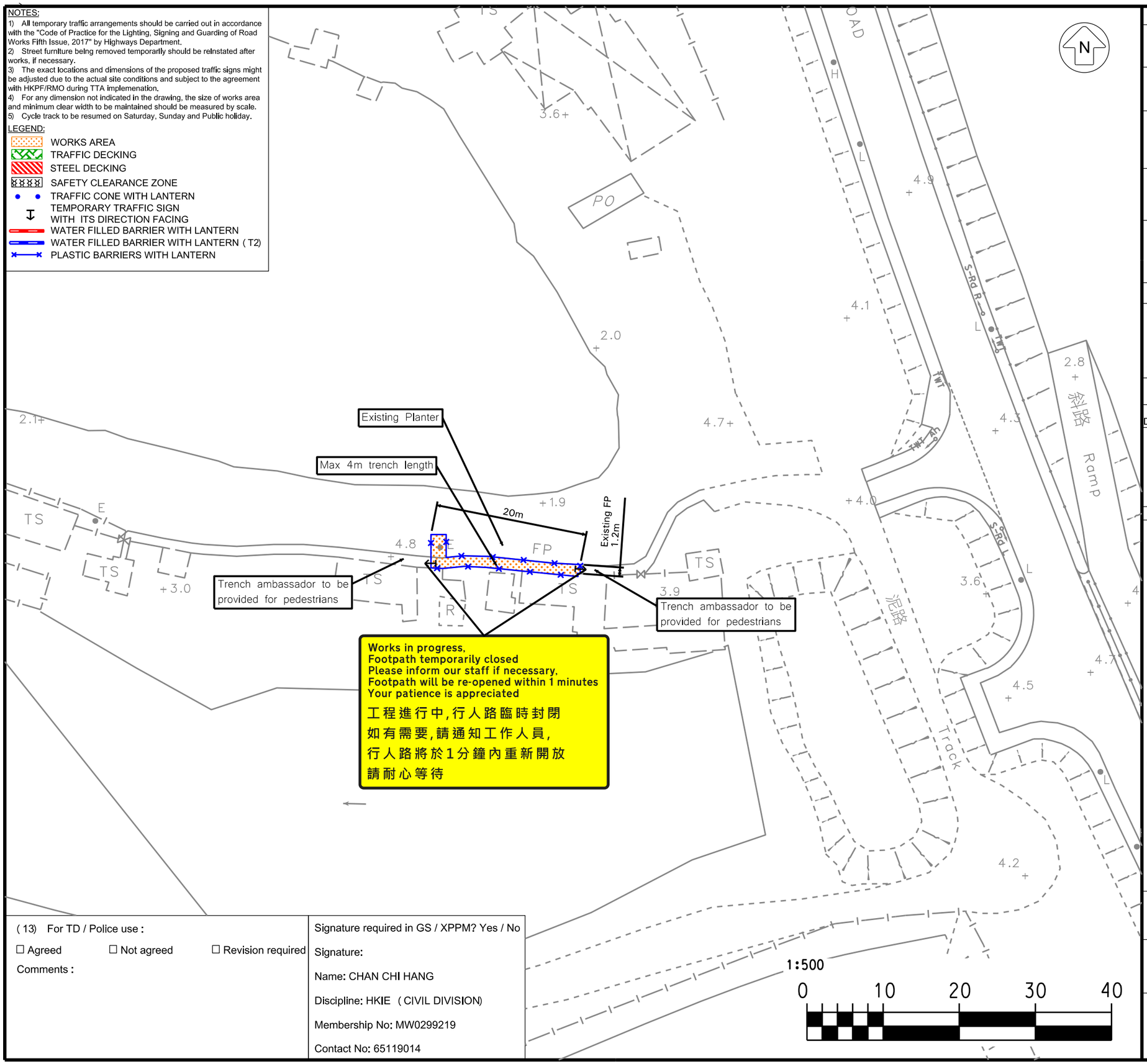
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :

(2) Project Office : CLP 中中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中中電

(5) Contractor : 盛貿 acific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-001

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Stage 1

Date : Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑Nil ☐NLT ☐NRT
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑Nil ☐ 80 ☐ 70 ☐ 50
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ months / weeks / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

Signature required in GS / XPPM? Yes / No
Signature:
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

NOTES:

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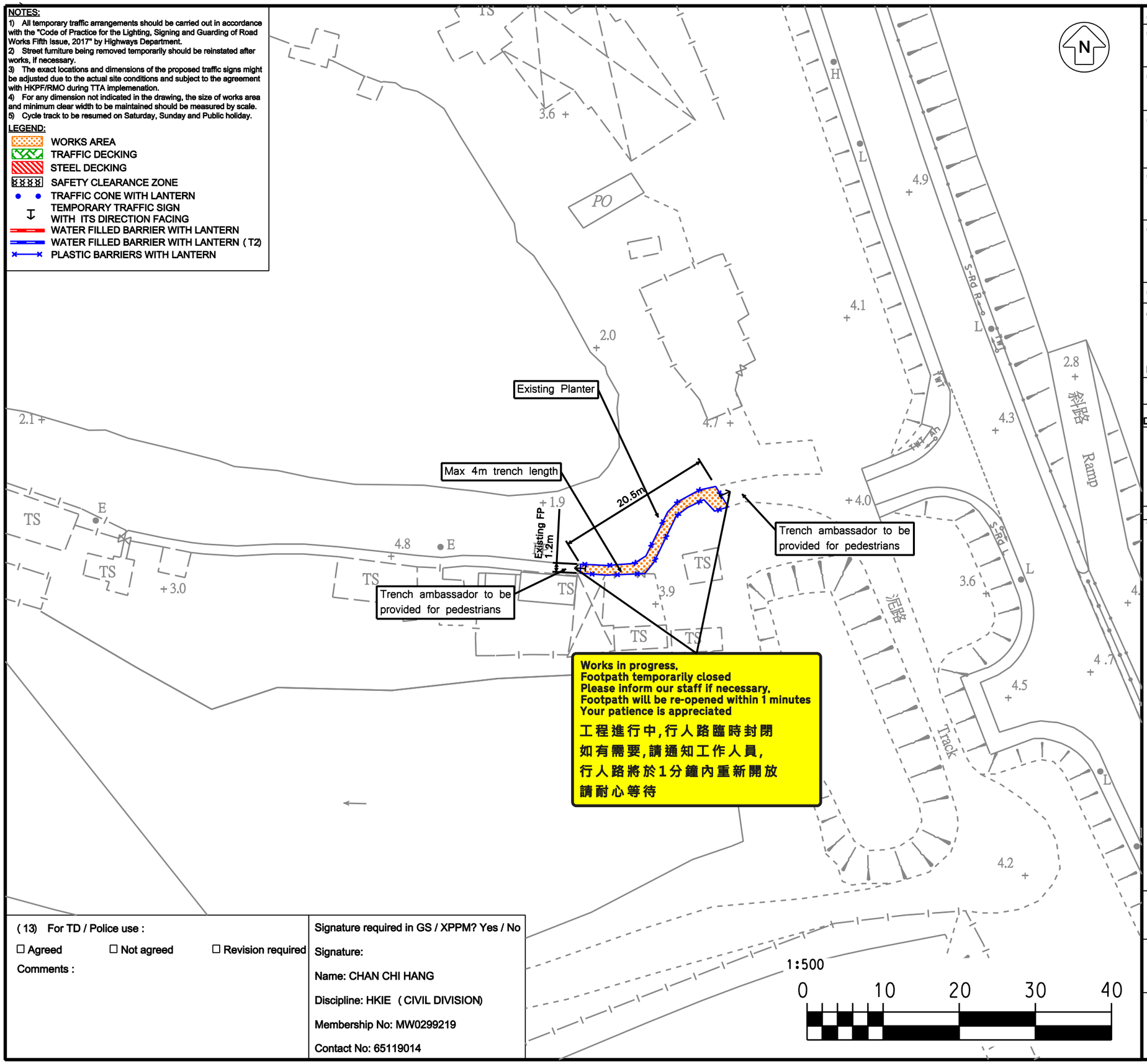

(1) XPMS Plan ID :

(2) Project Office : CLP 中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-002

Stage 2

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑Nil ☐NLT ☐NRT
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑Nil ☐ 80 ☐ 70 ☐ 50
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____

☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :

Start : _____ End : _____
Duration of works : _____ months / weeks / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :

☐ Agreed ☐ Not agreed ☐ Revision required

Comments :

Signature required in GS / XPPM? Yes / No

Signature:

Name: CHAN CHI HANG

Discipline: HKIE (CIVIL DIVISION)

Membership No: MW0299219

Contact No: 65119014

NOTES:
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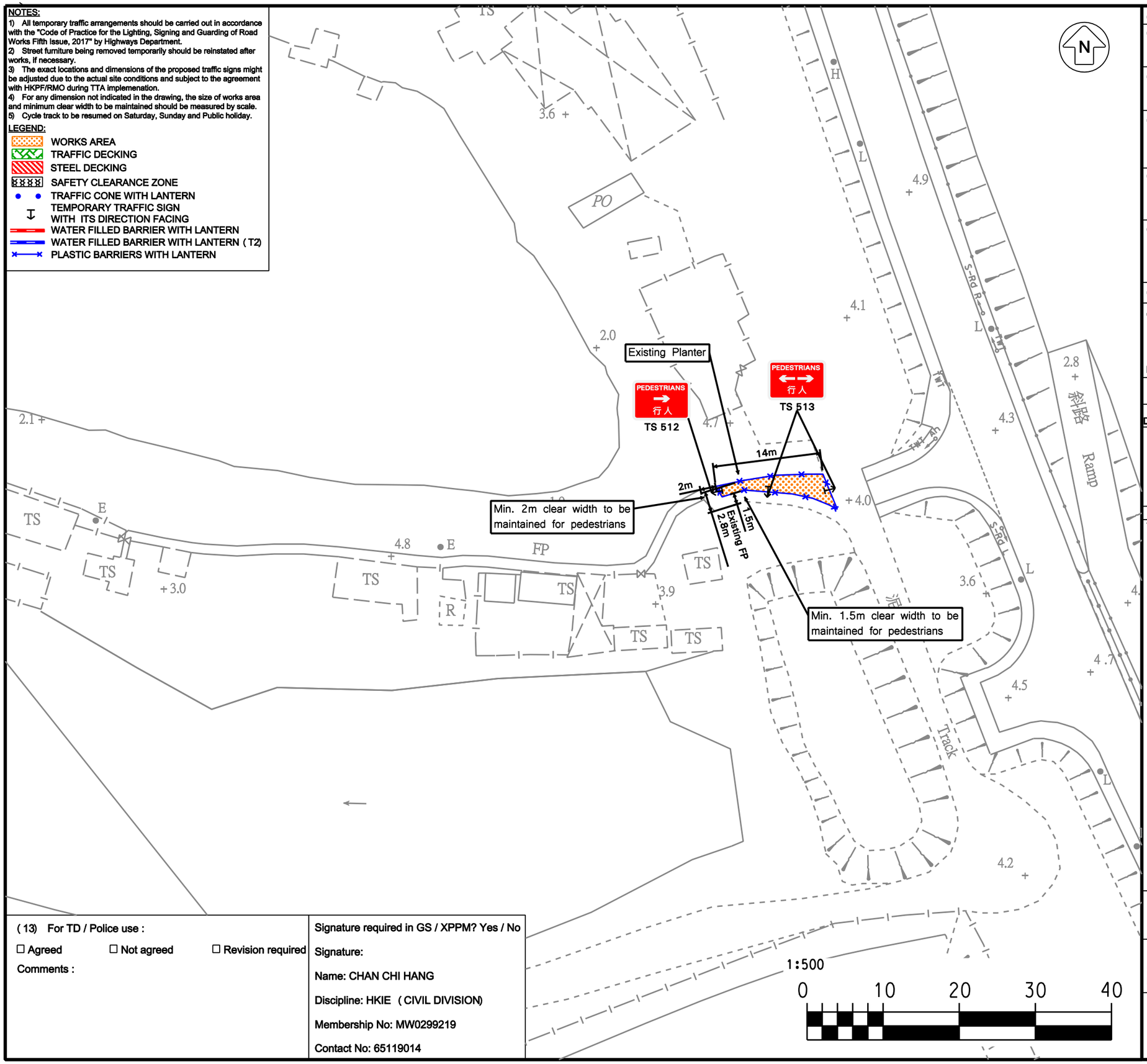

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

Signature required in GS / XPPM? Yes / No
Signature:
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

(1) XPMS Plan ID :
(2) Project Office : CLP 中電
(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region (Yuen Long/Tuen Mun)
(4) Engineer : CLP 中電
(5) Contractor : 盛貿 Pacific Extend
(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司
(7) TMLG meeting date :
(8) Drawing No : NRYL2021-0097-01-003
Temporary Traffic Arrangement for Distribution Cable Trenching & Laying Works near Nam Sang Wai Road
Stage 3
Date : Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :
(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days
(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days
(C) Temp. NLT/NRT :
☑*Nil* ☐*NLT* ☐*NRT*
Net duration : _____ months / weeks / days
(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days
(E) Temp. Speed Limit (km/h) :
☑*Nil* ☐ *80* ☐ *70* ☐ *50*
Net duration : _____ months / weeks / days
(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days
(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter. (Parking fee will be paid.)
(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :
(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ months / weeks / days
(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

NOTES:
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- STEEL DECKING
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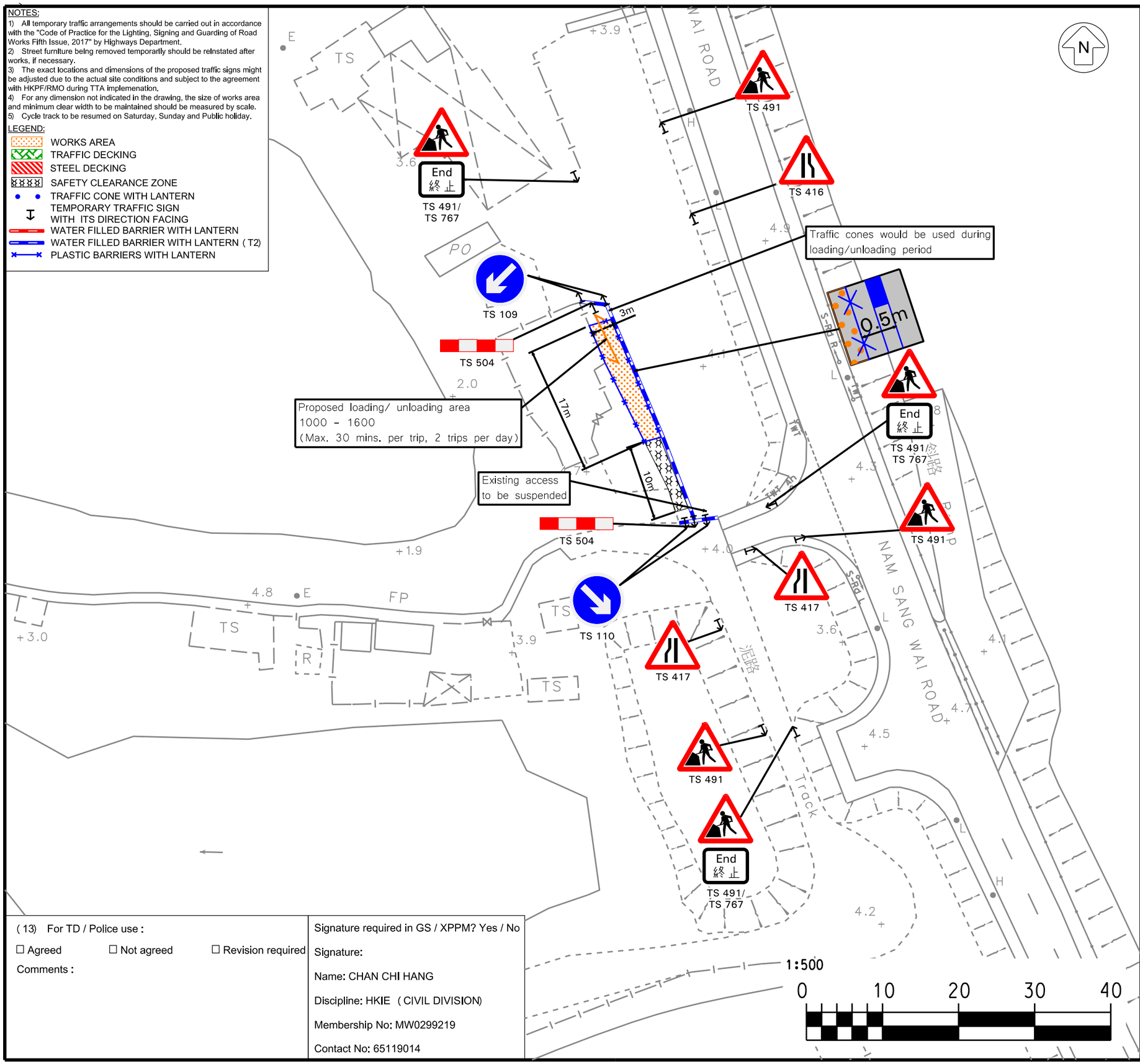
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(13) For TD / Police use :	Signature required in GS / XPPM? Yes / No
☐ Agreed ☐ Not agreed ☐ Revision required	Signature:
Comments :	Name: CHAN CHI HANG
	Discipline: HKIE (CIVIL DIVISION)
	Membership No: MW0299219
	Contact No: 65119014

(1) XPMS Plan ID :

(2) Project Office : CLP 中中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中中電

(5) Contractor : 盛貿 acific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-004

Stage 4

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration :_____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration :_____ months / weeks / days

(C) Temp. NLT/NRT :
☑Nil ☐NLT ☐NRT
Net duration :_____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration :_____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑Nil ☐ 80 ☐ 70 ☐ 50
Net duration :_____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

*(G) Others / Remarks :*_____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

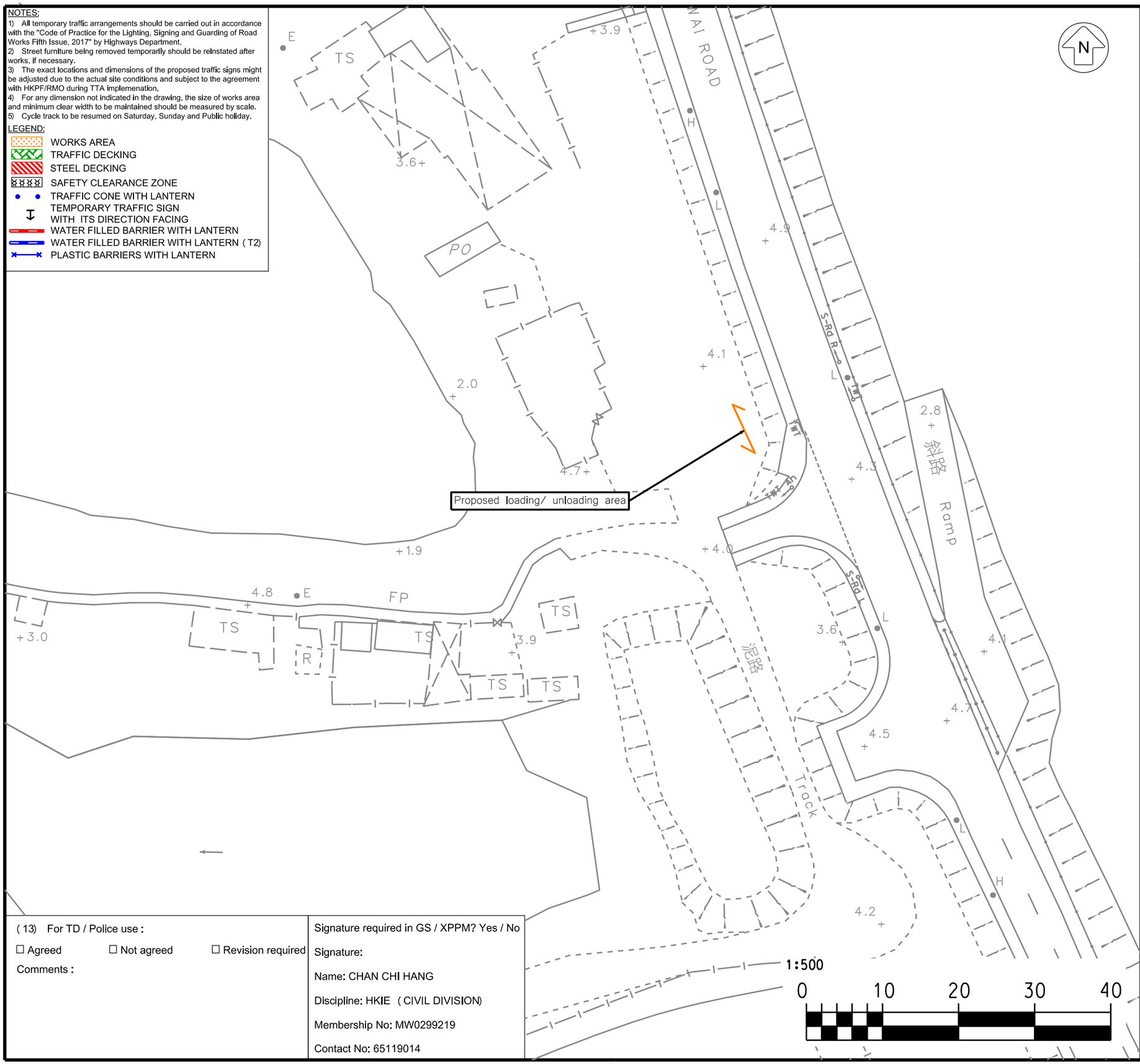
(11) Anticipated Programme :
Start :_____ End :_____
Duration of works :_____ months / weeks / days

(12) Remarks :
☐For Extension / re-endorsement. reason :_____
☐Last meeting / approval date :_____
☐Others :_____

NOTES:
1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(13) For TD / Police use :	Signature required in GS / XPPM? Yes / No
☐ Agreed ☐ Not agreed ☐ Revision required	Signature:
Comments :	Name: CHAN CHI HANG
	Discipline: HKIE (CIVIL DIVISION)
	Membership No: MW0299219
	Contact No: 65119014

(1) XPMS Plan ID :

(2) Project Office : CLP 中中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中中電

(5) Contractor : 盛貿 acific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-005

Loading

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration :_____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration :_____ months / weeks / days

(C) Temp. NLT/NRT :
☑*Nil* ☐*NLT* ☐*NRT*
Net duration :_____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration :_____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑*Nil* ☐ *80* ☐ *70* ☐ *50*
Net duration :_____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

*(G) Others / Remarks :*_____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :
Start :_____ End :_____
Duration of works :_____ months / weeks / days

(12) Remarks :
☐For Extension / re-endorsement. reason :_____
☐Last meeting / approval date :_____
☐Others :_____

Application No. A/YL-NSW/307 Departmental Comment (AFCD and EPD)17/05/2023 10:48
From: "Leung, Issac Wai Kit" <issac.leung@pel-teams.com.hk>
To: "tpbpd@pland.gov.hk" <tpbpd@pland.gov.hk>

[redacted]

4 Attachments

0669885_EcoA_v1_Combined.pdf 0669885_EcoA_v1_TC.pdf

Application no. AYL-NSW307 comment to EPD _ updated.pdf RtC_NSW EcoA_v0.pdf

Dear Sir/madam,

For the relevant application number: A/YL-NSW/307,we would like reply the departmental comment for AFCD and EPD.

Best Regards,
Issac Leung
TEL [redacted]
Pacific Extend Limited

Reply comment of EPD

i. Voltage Level of the proposed power cable.

1. LV(380V)

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

2.1 Debris and rubbish generated on-site will be collected, handled and disposed of properly to avoid entering the nearby stormwater drains and open drainage channels. The refuse collection point will be properly constructed with covers and will be bunded and drained to the CLP sewerage system.

2.2 Open storm water drains and culverts near the works area will be covered to block the entrance of large debris and refuse.

2.3 Oil leakage or spillage will be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance. The Contractors will prepare guidelines and procedures for immediate clean-up actions following any spillages of oil, fuel or chemicals.

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

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

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

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

Response to Comments
Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long
Ecological Assessment

P:\Projects\0669885 CLP Power Hong Kong Limited CLP Cable at Nam Sang Wai.MT\03 Deliverables\01 EcoA\v1\RtC_NSW EcoA_v0.0.doc

No.	Department	Reference	Comments	Consultants' Response
1.	AFCD	E-mail Correspondences dated 30 March 2023	Figure 3.3: It is noted that only the freshwater fish species of conservation importance is shown in the figure while species of conservation importance of other fauna groups as mentioned in S.3.2.2 are missing. Please revise.	Not all studies provided exact locations of where the species (e.g. mammals, avifauna, herpetofauna) were recorded in figures. As such these species are absent from Figure 3.3
2.			Figure 4.1: The figure for survey transects is missing. Please supplement.	Supplemented as requested.
3.			Figure 5.1 habitat map: The bunds within the ponds, watercourse as well as managed wetland should be indicated as an integral part of the corresponding habitat type, rather than "village area". Records of fauna species on Table 5.6 should be amended accordingly if needed	Habitats are adjusted for ponds, watercourse, and managed wetland to expand and cover areas with riparian vegetation that are integral to the corresponding habitat type. Bunds that provide clear access to residential village houses are kept as village area. Table 5.6 is updated accordingly.
4.			Table 6.3 and 6.4: Given a high diversity of avifauna including species of conservation concern were recorded in the watercourse and pond, the evaluation of its biodiversity and ecological importance should be reviewed	The evaluation of watercourse has been adjusted in view of the abundance and diversity of avifauna species recorded in the verification survey and past records from literature review. The evaluation of pond has been adjusted in view of the abundance and diversity of avifauna species recorded in past records from literature review.
5.			Table 6.7: Please elaborate the fauna records in the managed wetland which is targeted to attract wildlife. Noting that the evaluation is based upon the information of literature review and verification survey, the evaluation of the diversity, richness, and overall importance of the managed wetland etc. should be reviewed.	The evaluation of managed wetland has been adjusted in view of the abundance and diversity of avifauna and herpetofauna species recorded in past literature.

Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long

Ecological Assessment

18 April 2023

Project No.: 0669885

Document details	
Document title	Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long
Document subtitle	Ecological Assessment
Project No.	0669885
Date	18 April 2023
Version	1.0
Author	Various
Client Name	CLP Power

Document history

				ERM approval to issue		
Version	Revision	Author	Reviewed by	Name	Date	Comments
	0.0	Yuihong Chiu	Arthur Lo	Terence Fong	15.12.2022	-
	1.0	Yuihong Chiu	Arthur Lo	Terence Fong	18.4.2023	

CONTENTS

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1. INTRODUCTION

CLP Power Hong Kong Limited has commissioned ERM-Hong Kong, Limited (ERM) to undertake ecological survey and ecological assessment for the "Proposed Public Utility Installation and Associated Excavation and Filling of Land in "Conservation Area" Zone, Government Land in D.D. 123, Nam Sang Wai, Yuen Long" ("the Project"). The objective of the Project is to improve the electricity supply reliability at Nam Sang Wai, CLP is proposing LV cable laying near Nam Sang Wai Road. The overall construction period will be around 1 month between April 2023 and May 2023.

This Ecological Assessment (EcoA) provides detailed information regarding the ecology of the Study Area, which is defined as a 300m radius from the Project Site, i.e. proposed cable route (see ***Figure 1.1***). The ecological assessment is based on literature review as well as the recent verification ecological baseline survey, with particular attention paid to the habitat adjacent to the proposed cable route.

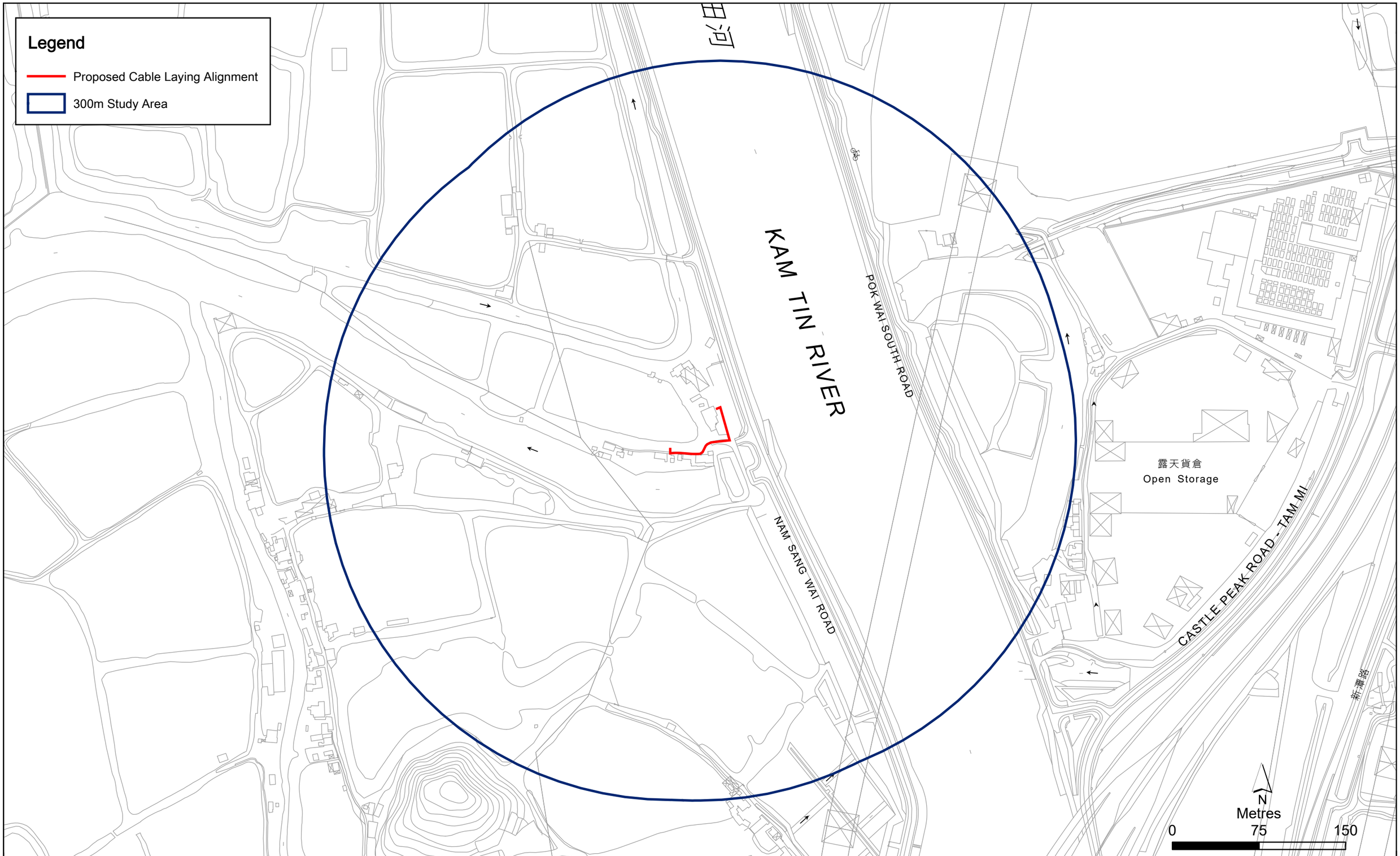

Figure 1.1

Project Site and Study Area

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Date: 19/12/2022

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2. ENVIRONMENTAL LEGISLATION AND GUIDELINES

Reference has been made to the *Technical Memorandum on Environmental Impact Assessment Process* (EIAO-TM) issued under the *Environmental Impact Assessment Ordinance* (EIAO) in the evaluation of potential ecological impacts, particularly *Annex 8 Criteria for Evaluating Ecological Impact* and *Annex 16 Guidelines for Ecological Assessment.* The following Guidance Notes have also been taken to account:

- GN 6/2010 *Some Observations on Ecological Assessment from the Environmental Impact Assessment Ordinance Perspective*;
- GN 7/2010 *Ecological Baseline Survey for Ecological Assessment;* and
- GN 10/2010 *Methodologies for Terrestrial and Freshwater Ecological Baseline Surveys*.

In addition, the following legislation and guidelines provide the framework for conducting ecological surveys and the protection of species and habitats of ecological importance for ecological assessment in Hong Kong:

- *Country Parks Ordinance* (Cap. 208)
- *Forests and Countryside Ordinance* (Cap. 96);
- *Town Planning Ordinance* (Cap. 131);
- *Wild Animals Protection Ordinance* (Cap. 170);
- *Protection of Endangered Species of Animals and Plants Ordinance* (Cap. 586);
- *Hong Kong Planning Standards and Guidelines Chapter 10* (HKPSG);
- *Technical Circular (Works) No. 4/2020 Tree Preservation.*

3. LITERATURE REVIEW

Upon commencement of the ecological assessment, a desktop review was conducted to search for relevant scientific papers, reports and previous Environmental Impact Assessment reports etc. to identify any available ecological information, including habitats and species of conservation concern in the area. Based on recent aerial photos and relevant previous studies, habitats and species of conservation importance recorded previously were identified. General studies (if any), which may not necessarily focus on the Study Area and Project Site, was also reviewed and relevant information was extracted from the report(s).

3.1 Site of Conservation Importance

The Study Area (SA) falls within the below-mentioned sites of conservation importance in the vicinity of Nam Sang Wai Road, including Wetland Conservation Area (WCA), Wetland Buffer Area (WBA), Conservation Area (CA). The Project Site is located within WCA and CA (***Figure 3.1***).

3.1.1 Wetland Conservation Area (WCA)

Fishponds continuous and adjoining to the Deep Bay Area are designated under TPB PG-No. 12C as the WCA, with the aim of protecting the integrity of the Deep Bay wetland ecosystem. Any development in the WCA should normally comply with the "No-Net-Loss in Wetland" principle. Other than permitted essential conservation or infrastructural works, no developments involving pond filling or other works detrimental to the ecological function of the wetland are allowed within the WCA.

The WCA covers part of the Study Area, including a few fishponds along Nam Sang Wai Road and Pok Wai South Road as well as part of Kam Tin River (***Figure 3.1***). The proposed cable route falls within this zone.

3.1.2 Wetland Buffer Area (WBA)

The WBA is also designated under TPB PG-No. 12C to include a buffer of about 500m on the landward side of the WCA. The planning intention is to protect the ecological integrity of wetlands within the WCA and prevent any development that would have a negative off-site disturbance impact on the WCA. Developments within the WBA are required to demonstrate that ecological impacts on the WCA will be minimized and any negative ecological impacts will be fully mitigated through positive measures.

The WBA covers part of the Study Area, including a few fishponds along Nam Sang Wai Road and Pok Wai South Road as well as part of Kam Tin River (***Figure 3.1***).

3.1.3 Conservation Area (CA)

The large areas of continuous fishponds (both active and abandoned) within the SA are zoned as CA under the Approved Nam Sang Wai OZP NO. S/YL-NSW/8 (***Figure 3.1***). The proposed cable route falls within this zone.

The planning intention of this zone 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. The "no-net-loss in wetland" principle is adopted for any change in use within this zone. The primary intention is to discourage new development unless it is required to support the conservation of the ecological integrity of the wetland ecosystem or the development is an essential infrastructure project with overriding public interest.

There is a general presumption against development in this zone. In general, only developments that are needed to support the conservation of the existing natural landscape or scenic quality of the area or are essential infrastructure projects with overriding public interest may be permitted.

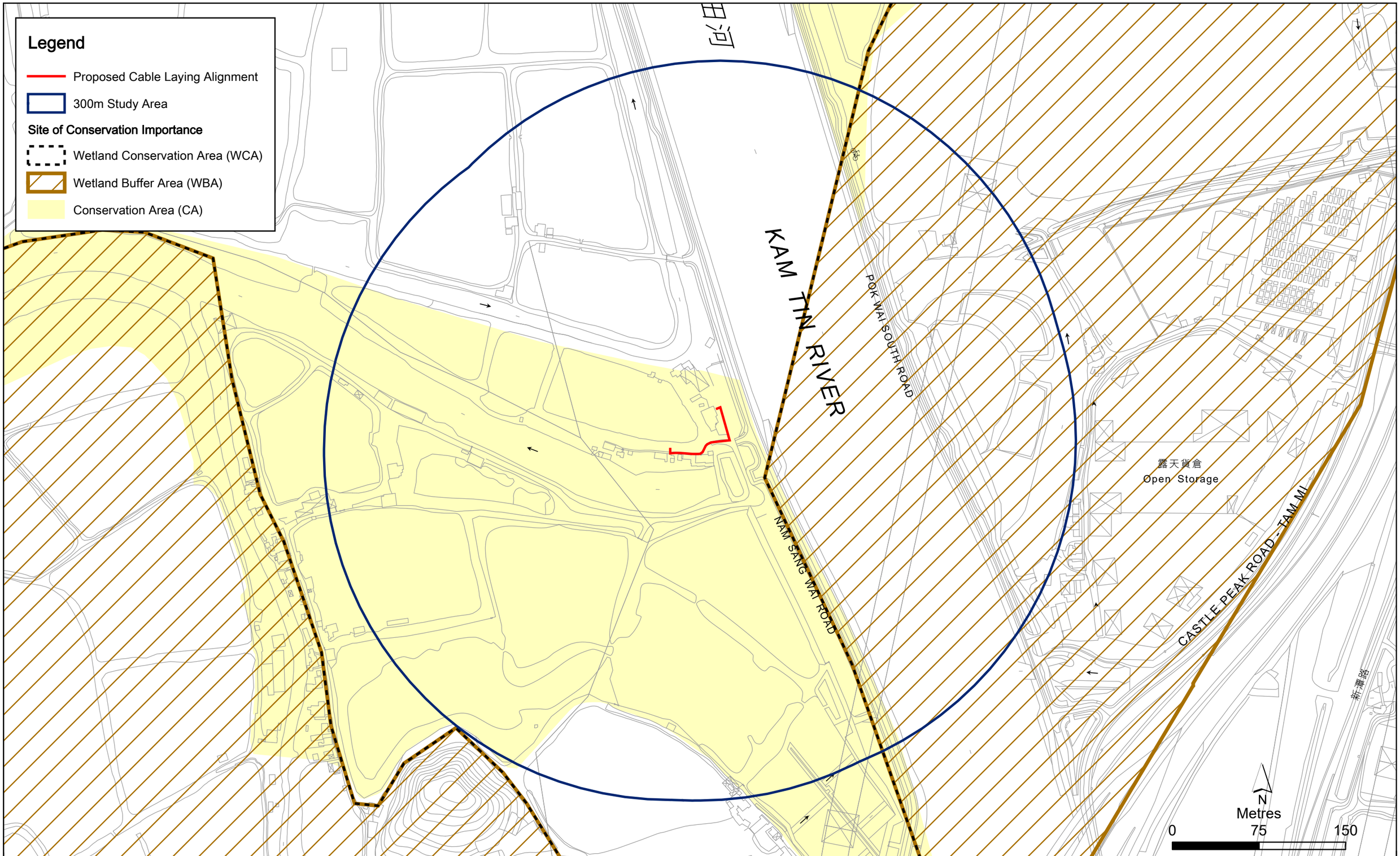

Figure 3.1

Site of Conservation Importance

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Date: 19/12/2022

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3.2 Previously Recorded Species of Conservation Importance

A literature review has been conducted to characterise the existing ecological conditions of the Project Site and Study Area and to identify habitats and species of conservation concern in the area. A number of relevant studies including but not limited to the follows were reviewed.

- EIA - 074/2002 - *Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 1 Packages 1A-1T and 1B-1T - Kam Tin Trunk Sewerage Phase I and II* (DSD, 2002) (1)
- EIA - 159/2008 - *Construction of Cycle Tracks and the associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River* (CEDD, 2008) (2)
- EIA - 269/2021 - *Yuen Long Barrage Scheme* (DSD, 2021) (3)
- *Approved Nam Sang Wai Outline Zoning Plan S/YL-NSW/8*
- *Protection of Wetlands in Hong Kong, AFCD (*AFCD, 2000*)* (4)
- Hong Kong Biodiversity Information Hub maintained by AFCD (5)
- Hong Kong Bird Report 2017 (HKBWS, 2022) (6)
- The Avifauna of Hong Kong

The ecological survey periods and surveyed flora/ fauna groups that are presented in the above studies are tabulated in ***Table 3.1***; a map showing their study areas, whenever defined, is provided in ***Figure 3.2***.

Special attention was paid to ecologically sensitive areas, and species of conservation importance (i.e. species protected by local legislation, endemic to Hong Kong or South China, listed in international conventions for conservation of habitat/wildlife, listed in IUCN Red Data Book or those of the South China region and considered as rare in the territory or having special conservation importance by scientific studies etc.). The information gathered from the literature review was evaluated and the information gaps concerning assessment of the potential ecological impacts arising from the Project on the terrestrial environment were identified. The species of conservation importance with known locations provided in relevant studies are shown on ***Figure 3.3***.

Table 3.1: Previous Studies Relevant to the Study Area

Study	Survey Period	Flora and Fauna Groups Surveyed
DSD, 2002	Apr 2000 – Mar 2001	Habitat & Vegetation, Mammals, Avifauna, Herpetofauna, Butterfly, Odonates, Aquatic fauna
CEDD, 2008	Nov 2006 – Apr 2007	Habitat & Vegetation, Avifauna
DSD, 2021	Jul 2019 – Apr 2020	Habitat & Vegetation, Mammals, Avifauna, Herpetofauna, Butterfly, Odonates, Aquatic fauna

(1) Drainage Services Department (2002). Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 1 Packages 1A-1T and 1B-1T - Kam Tin Trunk Sewerage Phase I and II.
(2) Civil Engineering and Development Department (2008). Construction of Cycle Tracks and the associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River.
(3) Drainage Services Department (2021). Yuen Long Barrage Scheme.
(4) AFCD (2000). Legislative Council Paper NO. CB(2) 397/00-01 (03) – Protection of Wetlands in Hong Kong. Information reviewed.
(5) Information reviewed from AFCD, Available at https://bih.gov.hk/en/home/index.html
(6) HKBWS (2022). Hong Kong Bird Report 2000-2017.

Legend

Proposed Cable Laying Alignment

300m Study Area

Study Areas from Previous Studies

EIA-074/2002 Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 1 Sewers, Rising Mains and Ancillary Pumping Stations: Environmental Impact Assessment and Traffic Impact Assessment Studies

EIA-159/2008 Construction of Cycle Tracks and the associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River

EIA-269/2021 Yuen Long Barrage Scheme

馬草壟 MA TSO LUNG
落馬洲 LOK MA CHAU
上水 SHEUNG SHUI
堅原 LONG VALLEY
石湖墟 SHEK WU HUI
新田 SAN TIN
聯和墟 LUEN WO HUI
米埔 MAI PO
粉嶺 FANLING
和合石 WO HOP SHEK
牛潭尾 NGAU TAM MEI
流浮山 LAU FAU SHAN
南生圍 NAM SANG WAI
天水圍 TIN SHUI WAI
橫洲 WANG CHAU
屏山 PING SHAN
八鄉 PAT HEUNG
厦村 HA TSUEN
錦田 KAM TIN
元朗 YUEN LONG
十八鄉 SHAP PAT HEUNG
石崗 SHEK KONG

N

Kilometres

0 1 2

Figure 3.2

Previous Study Areas of Relevant EIAs

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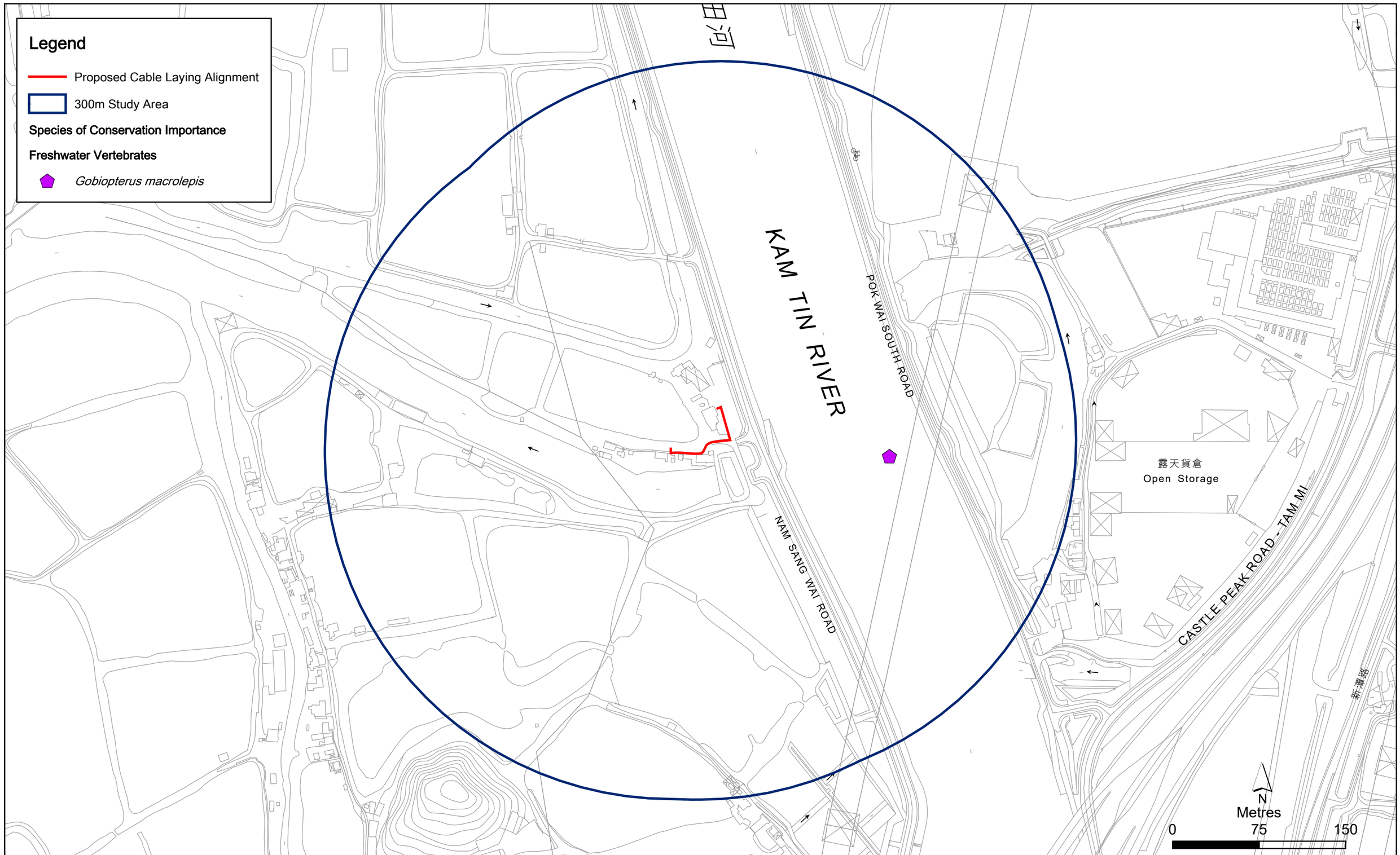

Figure 3.3

Species of Conservation Importance from Literature Review within the Study Area

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Date: 19/12/2022

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3.2.1 Flora Species of Conservation Importance Recorded in Previous Studies

Based on the reviewed literatures, no flora species of conservation importance was reported within the Study Area.

3.2.2 Fauna Species of Conservation Importance Recorded in Previous Studies

Mammals

Based on the reviewed literature, one mammal species of conservation importance was recorded in the Study Area from previous surveys/ approved EIA studies. A concern of this study is whether Eurasian Otters are present within the Study Area. However, it is unlikely that it will occur within the 300m Study Area as the nearest record was at the junction between Kam Tin River and Shan Pui River (DSD 2021) [7]. Details of the mammal species of conservation importance is shown in ***Table 3.2***.

Table 3.2: Mammal of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status
Mammal			
Japanese Pipistrelle	*Pipistrellus abramus*	東亞家蝠	Cap.170

Note:

Conservation Status:

a. Cap. 170: Protected under Wild Animals Protection Ordinance

Avifauna

A significant diversity of waterbirds, both resident and migratory were recorded in wetland habitats within the Study Area, including fishponds, watercourse etc. Many of the recorded species are known to forage and roost in wetlands, with ardeid and duck species being the dominant species group within the Study Area. A total of 53 avifauna species of conservation importance were recorded in the Study Area and its vicinity from previous surveys/ approved EIA studies (i.e. including Kam Tin River (KTR) and Nam Sang Wai (NSW))**.** All bird species are protected under the Wild Animals Protection Ordinance (Cap. 170). Details of the avifauna species of conservation importance are shown in ***Table 3.3***.

Table 3.3: Avifauna of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Avifauna					
Northern Shoveler	*Spatula clypeata*	琵嘴鴨	Fellowes: RC	✓	✓
Eurasian Wigeon	*Mareca penelope*	赤頸鴨	Fellowes: RC	✓	✓

(7) Drainage Services Department (2021). Yuen Long Barrage Scheme.

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Northern Pintail	*Anas acuta*	針尾鴨	Fellowes: RC	✓	✓
Eurasian Teal	*Anas crecca*	綠翅鴨	Fellowes: RC	✓	✓
Common Pochard	*Aythya ferina*	紅頭潛鴨	IUCN(VU)	✓	✓
Tufted Duck	*Aythya fuligula*	鳳頭潛鴨	Fellowes: LC	✓	✓
Little Grebe	*Tachybaptus ruficollis*	小鸊鷉	Fellowes: LC	✓	✓
Eurasian Spoonbill	*Platalea leucorodia*	白琵鷺	Fellowes: LC, RLCV(NT), CITES(II), CSMPS(II), Cap.586	✓	
Black-faced Spoonbill	*Platalea minor*	黑臉琵鷺	Fellowes: PGC, RLCV(EN), IUCN(EN), CSMPS(II)	✓	✓
Von Schrenck's Bittern	*Ixobrychus eurhythmus*	紫背葦鳽	Fellowes: RC		✓
Black-crowned Night Heron	*Nycticorax nycticorax*	夜鷺	Fellowes: (LC)	✓	✓
Chinese Pond Heron	*Ardeola bacchus*	池鷺	Fellowes: PRC (RC)	✓	✓
Eastern Cattle Egret	*Bubulcus coromandus*	牛背鷺	Fellowes: (LC)	✓	
Grey Heron	*Ardea cinerea*	蒼鷺	Fellowes: PRC	✓	✓
Great Egret	*Ardea alba*	大白鷺	Fellowes: PRC (RC)	✓	✓
Intermediate Egret	*Ardea intermedia*	中白鷺	Fellowes: RC		✓
Little Egret	*Egretta garzetta*	小白鷺	Fellowes: PRC (RC)	✓	✓
Great Cormorant	*Phalacrocorax carbo*	普通鸕鷀	Fellowes: PRC	✓	✓
Western Osprey	*Pandion haliaetus*	鶚	Fellowes: RC, RLCV(NT), CITES(II), CSMPS(II), Cap.586	✓	✓
Crested Serpent Eagle	*Spilornis cheela*	蛇鵰	Fellowes: (LC), RLCV(NT), CITES(II), CSMPS(II), Cap.586		✓
Greater Spotted Eagle	*Clanga clanga*	烏鵰	Fellowes: GC, RLCV(EN), IUCN(VU), CITES(II), CSMPS(II), Cap.586	✓	
Bonelli's Eagle	*Aquila fasciata*	白腹隼鵰	Fellowes: (RC), RLCV(VU), CITES(II), CSMPS(II), Cap.586	✓	
Eastern Marsh Harrier	*Circus spilonotus*	白腹鷐	Fellowes: LC, RLCV(NT), CITES(II), CSMPS(II), Cap.586		✓
Black Kite	*Milvus migrans*	黑鳶	Fellowes: (RC), CSMPS (II), CITES (II), Cap. 586	✓	✓

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Eastern Buzzard	*Buteo japonicus*	普通鵟	CSMPS(II), CITES(II), Cap.586	✓	✓
Slaty-breasted Rail	*Gallirallus striatus*	灰胸秧雞	Fellowes: RC	✓	
Black-winged Stilt	*Himantopus himantopus*	黑翅長腳鷸	Fellowes: RC	✓	✓
Pied Avocet	*Recurvirostra avosetta*	反嘴鷸	Fellowes: RC	✓	✓
Grey-headed Lapwing	*Vanellus cinereus*	灰頭麥雞	Fellowes: LC	✓	
Little Ringed Plover	*Charadrius dubius*	金眶鴴	Fellowes: (LC)	✓	✓
Eurasian Curlew	*Numenius arquata*	白腰杓鷸	Fellowes: RC, RLCV(NT), IUCN(NT)	✓	
Marsh Sandpiper	*Tringa stagnatilis*	澤鷸	Fellowes: RC	✓	✓
Wood Sandpiper	*Tringa glareola*	林鷸	Fellowes: LC	✓	✓
Spotted Redshank	*Tringa erythropus*	鶴鷸			✓
Common Greenshank	*Tringa nebularia*	青腳鷸	Fellowes: RC	✓	
Oriental Pratincole	*Glareola maldivarum*	普通燕鴴	Fellowes: LC		✓
Black-headed Gull	*Chroicocephalus ridibundus*	紅嘴鷗	Fellowes: PRC	✓	
Lesser Black-backed Gull	*Larus fuscus*	烏灰銀鷗	Fellowes: LC	✓	
Greater Coucal	*Centropus sinensis*	褐翅鴉鵑	CSMPS(II)		✓
Lesser Coucal	*Centropus bengalensis*	小鴉鵑	CSMPS(II)		✓
Asian Barred Owlet	*Glaucidium cuculoides*	斑頭鴞鶹	CITES(II), CSMPS(II), Cap.586		✓
White-throated Kingfisher	*Halcyon smyrnensis*	白胸翡翠	Fellowes: (LC)	✓	✓
Black-capped Kingfisher	*Halcyon pileata*	藍翡翠	Fellowes: (LC)	✓	
Pied Kingfisher	*Ceryle rudis*	斑魚狗	Fellowes: (LC)	✓	✓
Common Kestrel	*Falco tinnunculus*	紅隼	CITES(II), CSMPS(II), Cap.586	✓	
Peregrine Falcon	*Falco peregrinus*	遊隼	Fellowes: (LC), RLCV(NT), CITES(I), CSMPS(II), Cap.586	✓	

Common Name	Scientific Name	Chinese Name	Conservation Status	Location	
				KTR	NSW
Collared Crow	*Corvus torquatus*	白頸鴉	Fellowes: LC, RLCV(NT), IUCN(VU)	✓	✓
Zitting Cisticola	*Cisticola juncidis*	棕扇尾鶯	Fellowes: LC	✓	
Red-billed Starling	*Spodiopsar sericeus*	絲光椋鳥	Fellowes: GC	✓	✓
White-cheeked Starling	*Spodiopsar cineraceus*	灰椋鳥	Fellowes: PRC	✓	
Daurian Starling	*Agropsar sturninus*	北椋鳥	Fellowes: LC		✓
White-shouldered Starling	*Sturnia sinensis*	灰背椋鳥	Fellowes: (LC)		✓
Yellow-breasted Bunting	*Emberiza aureola*	黃胸鵐	Fellowes: RC, RLCV(EN), IUCN(CR)		✓

Note:
Conservation Status:

a. Fellowes – Fellowes et al. (2002): PGC = Potential Global Concern, PRC = Potential Regional Concern, GC = Global Concern, RC = Regional Concern, LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
b. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened, VU = Vulnerable, EN: Endangered
c. IUCN – International Union for Conservation of Nature Red List of Threatened Species (2022).VU = Vulnerable, EN = Endangered, CR = Critically Endangered
d. CSMPS – China State Major Protection Status: Appendix (I) or Appendix (II)
e. CITES – Under Appendix (I) or Appendix (II) of Convention on International Trade in Endangered Species of Wild Fauna
f. Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
g. All birds in Hong Kong are protected under Cap. 170 – Protected under Wild Animals Protection Ordinance

Herpetofauna

A total of two herpetofauna species of conservation importance were recorded in the Project Site and its vicinity from previous surveys/ approved EIA studies. Details of the herpetofauna species of conservation importance are shown in ***Table 3.4***.

Table 3.4: Herpetofauna of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status
Amphibian			
Spotted Narrow-mouthed Frog	*Kalophrynus interlineatus*	花細狹口蛙	RLCV(NT)
Chinese Bullfrog	*Hoplobatrachus rugulosus*	虎紋蛙	Fellowes: PRC; RLCV(EN), CSMPS(II)

Note:
Conservation Status:

Common Name	Scientific Name	Chinese Name	Conservation Status

a. Fellowes – Fellowes et al. (2002): PRC = Potential Regional Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
b. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened, EN = Endangered
c. CSMPS – China State Major Protection Status: Appendix (I) or Appendix (II)

Butterfly and Odonate

No butterfly or odonate species of conservation importance were recorded in the Study Area from previous surveys/ approved EIA studies.

Aquatic Fauna

Only one aquatic fauna species of conservation importance was recorded within the Study Area in Kam Tin River from previous surveys/ approved EIA studies. Details of the species of conservation importance is shown in ***Table 3.5***.

Table 3.5: Butterfly and Odonate of Conservation Importance Recorded from Previous Studies

Common Name	Scientific Name	Chinese Name	Conservation Status
Freshwater Fish			
-	*Gobiopterus macrolepis*	大鱗鰭鰕虎魚	RLCV(VU)

Note:
Conservation Status:
a. RLCV – Red List of China's Vertebrate (2016): VU = Vulnerable

Fireflies

Bent-winged Firefly *Pteroptyx maipo*, an endemic firefly was first recorded in mangrove habitat in Hong Kong Wetland Park in 2003 [8]. According to AFCD [9], *Pteroptyx maipo* is the only species that depends on mangrove ecosystem. While the larvae feed on snails found on the tidal mudflats, the adults inhabit short vegetation in the vicinity. Although mangrove/ mangrove associates are distributed in many coastal areas of Hong Kong, this species is restricted to the landward fringe of the mangrove ecosystem along the shoreline of Deep Bay including Mai Po, Hong Kong Wetland Park and Sheung Pak Nai. The adult flight period of the Bent-winged Firefly is between April and September while their peak breeding season is May, August and September. A concern of this study is whether Bent-winged Firefly *Pteroptyx maipo* are present within the Study Area. However, it is unlikely that it will occur within the 300m Study Area as the nearest records was at the junction between Kam Tin River and Shan Pui River (Yiu Vor, 2011) [10] and mangroves adjacent to Nam Sang Wai Ferry Pier (DSD 2021) [11]

(8) Law, K.M. 2010. "*Unique Worldwide: New Species of Firefly Found in Wetland", Hong Kong News, Wen Wei Po, Hong Kong.* Accessed at http://pdf.wenweipo.com/2010/09/23/a14-0923
(9) Cheng *et al.* 2020. Habitat Characteristics of Fireflies in Hong Kong. AFCD Newsletter Issue No. 26.
(10) Yiu, V. 2011. A new species of firefly from Hong Kong – Pteroptyx maipo Ballantyne, 2011. Insect News (Hong Kong Entomological Society Newsletter), 3, 2-7.
(11) Drainage Services Department (2021). Yuen Long Barrage Scheme.

4. VERIFICATION ECOLOGICAL BASELINE SURVEY

The Study Area comprises an area within 300m from the cable route. With reference to the reviewed data in **Section 3**, it is considered that the Project Site and its vicinity have been well covered and studies comprehensively by a number of EIA studies, planning application and research.

The previous studies and research have demonstrated a relatively high and constant use of the areas surrounding the proposed cable route by birds, esp. by waterbirds at the fishponds and Kam Tin River. Appropriate measures to avoid and minimise the potential ecological impacts caused by the Project on birds are discussed in ***Section 7***.

In order to supplement and establish a set of project specific baseline data, a verification survey, including day and night surveys, was carried out in November 2022 with particular focus on habitat and wildlife along and adjacent to the proposed cable route. A summary of the ecological baseline survey methodologies is provided in ***Table 4.1*** and the ecological baseline survey schedule is provided in ***Table 4.2.*** Survey transects follow mainly the existing roads (***Figure 4.1*** refers), aiming to cover all types of habitats within the Study Area. Details of the methodologies are provided in ***Sections 4.1*** and ***4.2***.

Table 4.1: Summary of the Ecological Baseline Survey Methodologies

Survey Type	Methodology
Habitat and Vegetation	Habitat mapping and vegetation identification through ground truthing in major habitats.
Avifauna	Quantitative (active searching along the survey transect) and Qualitative (recorded within Study Area); including day and night surveys
Mammal	Quantitative (active searching along the survey transect) and qualitative (recorded within Study Area); including day and night surveys
Herpetofauna	Quantitative (active searching along the survey transect) and qualitative (recorded within Study Area); including day and night surveys
Butterfly	Qualitative (recorded within Study Area) survey; including only day surveys
Odonates	Qualitative (recorded within Study Area) survey; including only day surveys
Aquatic fauna	Active searching at sizable streams and notable water bodies; including day and night surveys

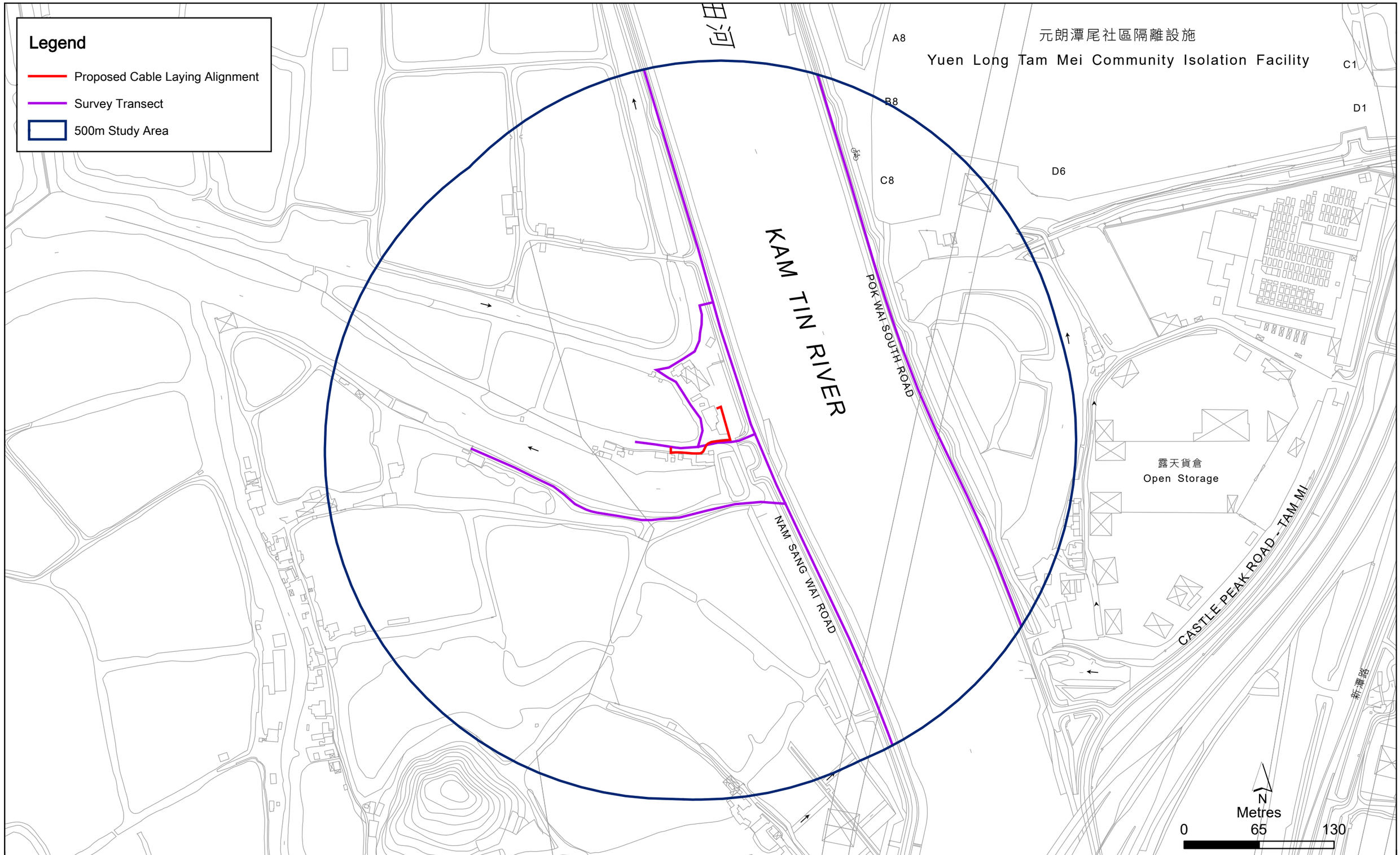

Figure 4.1

Survey Transect

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Environmental Resources Management

ERM

Table 4.2: Ecological Baseline Survey Schedule

Survey Type	30 November 2022
Habitat and Vegetation	✓
Avifauna (day and night)	✓
Mammal (day and night)	✓
Herpetofauna (day and night)	✓
Butterfly	✓
Odonates	✓
Aquatic fauna (day and night)	✓

4.1 Habitat and Vegetation Surveys

An initial map of habitats within the Study Area was prepared from aerial photos and previous approved EIA studies. Representative areas of each habitat type were then ground-truthed on foot, in order to ensure they reflected current conditions and to distinguish between habitats which could not always be reliably distinguished from aerial photos. Representative colour photos were taken for each habitat type (***Annex 1***) and any important ecological features identified.

In parallel with the habitat mapping, the vegetation specialist recorded the flora species encountered in each habitat. Special attention was also paid to species that are rare, protected and/or of ecological importance.

4.2 Wildlife Surveys

4.2.1 Avifauna

The bird communities of the identified habitats within the Study Area were surveyed using transects count method subject to the site conditions. Any signs of breeding (e.g. nests, recently fledged juveniles) within the Study Area were also recorded. Observations were made using 8× binoculars and photographic records taken, where possible. Day-time and night-time survey were conducted once for avifauna within the Study Area.

4.2.2 Mammals

Mammal surveys were conducted with transect count during daytime and nighttime. As mammals usually occur at low densities, in addition to direct observation, any observation of signs of mammal activity, such as tracks, scats or burrows were actively sought. Day-time and night-time survey were conducted once for mammal within the Study Area.

4.2.3 Herpetofauna

Herpetofauna surveys were conducted through direct observation and active searching in all major representative habitat types along survey transects and in potential hiding places such as among leaf litter, inside holes and under stones and logs within the Study Area. Auditory detection of species specific calls was also used to survey frogs and toads. During the surveys, all reptiles and amphibians sighted and heard were recorded. Day-time and night-time survey were conducted once for herpetofauna within the Study Area.

4.2.4 Butterflies and Odonates

Butterflies and odonates of various habitats within the Study Area were surveyed once using transect/ point count method during day-time. Any butterflies and odonates encountered outside the transects/ counting points were also identified and counted in order to produce a complete species list.

Particular attention was given to food/ host plants for butterfly larvae and favoured habitats for both groups, such as shrubland for butterflies and streams for odonates (both adults and larvae).

4.2.5 Aquatic Fauna

Aquatic survey was conducted once during day-time at nearby sizable watercourses within the Study Area in order to collect more comprehensive information of the wildlife usage in the area. The watercourses were surveyed by direct observation and active searching for aquatic fauna, including but not limited to fish, invertebrates and macroinvertebrates.

5. EXISTING ECOLOGICAL BASELINE

A very large proportion of the Study Area is located within Wetland Conservation Area, Wetland Buffer Area and Conservation Area. The Project site is located within Wetland Conservation Area and Conservation Area. Most built-up areas are concentrated on the eastern end of the Study Area. Seven major habitat types have been identified in the Study Area, namely plantation, shrubland/grassland, watercourse, fishpond, managed wetland, developed area and village area. Habitats present within the Study Area are shown ***Figure 5.1***.

5.1 Habitat and Vegetation

Table 5.1 summarises the area of each habitat recorded in the Study Area. The representative habitat photos are in ***Annex 1***. The full plant list for the Study Area is provided in ***Annex 2***. The following text elaborates the ecological conditions, flora and fauna recorded at each habitat during the ecological baseline survey.

Table 5.1: Area of Each Habitat Identified in the Study Area

Habitat	Area within Study Area (ha)	% of Study Area
Plantation	1.32	4.04%
Shrubland/Grassland	1.43	4.36%
Watercourse	10.07	30.83%
Pond	8.49	25.97%
Developed Area	2.94	9.00%
Village Area	2.80	8.56%
Managed Wetland	5.63	17.24%
TOTAL	**32.68**	**100.00%**

5.1.1 Habitats within the Study Area

Plantation

Plantations are mainly found along Nam Sang Wai Raod, Pok Wai South Road and Castle Peak Road as well as a patch that is located at the south west end of the Study Area (***Figure 5.1***). Plant species present are mainly tree and shrub species for landscaping purposes or ruderal species that colonised the area, due to close vicinity to village houses and main roads, these patches of plantation receive a relatively high level of disturbance, esp. on their fringes.

A total of 20 plant species were recorded in plantation habitat. Most of the plant species recorded from this habitat are common in Hong Kong. Plants dominated by exotic landscaping or ruderal species such as *Acacia auriculiformis, Acacia magnium, Eucalyptus citriodora, Lagerstroemia speciosa*, *Lantana camara* and *Melaleuca cajuputi* subsp*. Cumingiana* were frequently found in this habitat. No flora species of conservation importance was recorded.

Shrubland/Grassland

There are two main patches of shrubland/grassland within the Study Area one that is located adjacent to Pok Wai South Road and nearby fishponds and one at the south west end of the Study Area adjacent to a village and fishpond. A total of 51 plant species were recorded in plantation habitat. Plant species present are mainly common shrub and herb species such as *Bridelia tomentosa*, Cynodon dactylon, *Desmodium heterocarpon*, *Desmos chinensis*, *Panicum maximum* and *Scoparia dulcis*. No flora species of conservation importance was recorded.

Watercourse

Watercourse is the largest habitat within the Study Area (approx. 10.07 ha; 30.83% of the total area), after fishpond habitat. The watercourses in the Study Area include the main channelised watercourse

Legend

Proposed Cable Laying Alignment

300m Study Area

Species of Conservation Importance

Mammal

- Japanese Pipistrelle

Avifauna

- Black Kite
- Black-crowned Night Heron
- Black-faced Spoonbill
- Black-winged Stilt
- Chinese Pond Heron
- Collared Crow
- Common Greenshank
- Eurasian Wigeon
- Great Cormorant
- Great Egret
- Grey Heron
- Little Egret
- Northern Shoveler
- Pied Avocet
- White-throated Kingfisher

Butterfly

- Danaid Egg-fly
- Small Cabbage White
- Tiny Grass Blue

Habitat

- Shrubland/Grassland
- Managed Wetland
- Watercourse
- Pond
- Plantation
- Developed Area
- Village Area

Figure 5.1

Habitat Map and Species of Conservation Importance Recorded in Verification Survey

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Date: 13/4/2023

Environmental Resources Management

ERM

of the Kam Tin River between Nam Sang Wai Road and Po Wai South Road. It is approximately 100m in width and has a riverbed that mainly consists of muddy substrate. When the tide ebbs wide expanses of mud is exposed on both sides of the channel, it provides foraging grounds that attracts a high diversity of water birds. A total of 20 plant species were recorded in or along watercourse. Common herb species such as *Cynodon dactylon*, *Ischaemum aristatum*, *Panicum maximum*, *Phragmites australis* and isolated patches of mangrove species, namely, *Kandelia obovata* and *Sonneratia* sp. can be found along the river bank, which allows for perching and act as a refuge for birds. Other watercourses present include semi-natural tributaries and meanders of the main Kam Tin River channel which are located beside Nam Sang Wai Road and Pok Wai South Road. They provide connectivity to different types of wetland habitats (esp. fishponds) and provide drainage to the area. The vegetation composition of the riparian zone is similar to the main channel. Common and weedy species such as *Cynodon dactylon* and *Panicum maximum* as well as wetland herbs including *Phragmites australis* predominate the banks and stream beds of these watercourses, patches of *Eichhornia crassipes* were also recorded.

No flora species of conservation importance was recorded in this habitat.

Pond

This habitat is the second largest habitat in the Study Area, occupying most of the total area (approx. 8.49 ha; 25.97% of the total area). Most of the fishponds within the Study Area including one adjacent to the proposed cable alignment were observed to be active (***Figure 5.1***). Active fishponds are maintained with mostly open water and little emergent vegetation. They were occasionally drained to permit harvesting of fish or maintenance of ponds. The composition and structure of vegetation is typical of fishponds in the Deep Bay, with simple vegetation structure and low vegetative diversity dominated by grassy vegetation. A total of 20 plant species were recorded in or along fishponds. Plants frequently recorded on the pond bunds are grassy and herbaceous species such as *Cynodon dactylon*, *Hedyotis corymbosa*, *Ischaemum aristatum, Lemna minor* and *Panicum maximum*, and sometimes fruit trees such as *Lucuma nervosa*. As most of these fishponds are active, the level of human disturbance to this habitat as a result of fishpond management is at least low to moderate. No flora species of conservation importance was recorded.

Developed Area

Developed area within the Study Area included main roads (e.g. Nam Sang Wai Road, Pok Wai South Road and Castle Peak Road – Tam Mei), as well as public facilities (e.g. Yuen Long Tam Mei Community Isolation Facility) and storage facilities, mainly located in eastern part of the Study Area (***Figure 5.1***). This habitat has been through human modifications of various levels and receives constant disturbances resulted from traffic and other anthropogenic activities.

A total of 41 plant species were recorded in Most of the plant species recorded from this habitat are common in Hong Kong. Plants dominated by exotic landscaping or ruderal species such as *Bombax ceiba , Bidens alba, Bridelia tomentosa*, *Leucaena leucocephala* and *Wedelia trilobata* were frequently found in this habitat. No flora species of conservation importance was recorded in this habitat.

Village Area

Village Area refers to areas occupied by village houses, and the associated access paths to fishponds and main roads close to the villages (***Figure 5.1***).

There are 45 plant species recorded in this habitat (***Annex 2***). Most of the plant species recorded are commonly grown for ornamental purpose or as orchards such as *Allamanda schottii, Averrhoa carambola, Dimocarpus longan, Litchi chinensis* and *Lucuma nervosa*. No flora species of conservation importance was recorded in this habitat.

Managed Wetland

Managed Wetland refers to the mitigation wetland to the west of Kam Tin River for the Yuen Long Bypass Floodway which is planted with wetland plants and woody vegetation for attracting wildlife. A total of 25 plant species were recorded in the managed wetland. Plants frequently recorded are grassy and herbaceous species such as *Cynodon dactylon*, *Euphorbia hirta*, *Mimosa pudica* and *Phragmites australis*.

5.1.2 Habitats within the Project Site

Works associated with the Project include the installation of LV cable near Nam Sang Wai Road. The alignment will be along the existing pavement/ road surface as far as possible. The Project Site, including works area, therefore is located within village area only, which is currently subject to a relatively high level of disturbance due to its being used as the only pedestrian access between Nam Sang Wai Road and the village area. Photographic records of the Project Site are as presented in ***Annex 1***.

During the ecological baseline survey, no flora species of conservation importance were recorded within the Project Site.

5.2 Terrestrial Wildlife

Wildlife recorded during the ecological surveys described in ***Section 4.2*** are presented below. The photo of the recorded species of conservation importance are in ***Annex 3***. A full list of fauna species recorded during the ecology surveys for the Project is found in ***Annexes 4 – 8***. The locations of species of conservation importance in the Study Area are shown in ***Figure 5.1.***

5.2.1 Mammals

The survey identified one mammal species within the Study Area. The recorded mammal species is of conservation importance, namely, Japanese Pipistrelle *Pipistrellus abramus*. Their conservation and protection status in Hong Kong are presented in ***Table 5.2*** below.

Table 5.2: Mammal Species of Conservation Importance Recorded within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status	Recorded Habitat
Mammal				
Japanese Pipistrelle	*Pipistrellus abramus*	東亞家蝠	Cap.170	Developed Area

Note:

Conservation Status:

a. Cap. 170: Protected under Wild Animals Protection Ordinance

5.2.2 Avifauna

The survey identified 34 bird species. Most of the bird species recorded are common and widespread in Hong Kong. A total of 15 bird species of conservation importance, namely Northern Shoveler *Spatula clypeata*, Eurasian Wigeon *Mareca penelope*, Black-faced Spoonbill *Platalea minor*, Black-crowned Night Heron *Nycticorax nycticorax*, Chinese Pond Heron *Ardeola bacchus*, Grey Heron *Ardea cinerea*, Great Egret *Ardea alba*, Little Egret *Egretta garzetta*, Great Cormorant *Phalacrocorax carbo*, Black Kite *Milvus migrans*, Black-winged Stilt *Himantopus himantopus*, Pied Avocet *Recurvirostra avosetta*, Common Greenshank *Tringa nebularia*, White-throated Kingfisher *Halcyon smyrnensis* and Collared Crow *Corvus torquatus* were recorded within the Study Area. Their

protection and/or conservation status are presented in ***Table 5.3.*** The photo of the recorded species of conservation importance are in ***Annex 3***.

Table 5.3: Avifauna of Conservation Importance recorded within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status	Recorded Habitat
Avifauna				
Northern Shoveler	*Spatula clypeata*	琵嘴鴨	Fellowes: RC	Watercourse
Eurasian Wigeon	*Mareca penelope*	赤頸鴨	Fellowes: RC	Watercourse
Black-faced Spoonbill	*Platalea minor*	黑臉琵鷺	Fellowes: PGC, RLCV(EN), IUCN(EN), CSMPS(II)	Watercourse
Black-crowned Night Heron	*Nycticorax nycticorax*	夜鷺	Fellowes: (LC)	Watercourse
Chinese Pond Heron	*Ardeola bacchus*	池鷺	Fellowes: PRC (RC)	Watercourse
Grey Heron	*Ardea cinerea*	蒼鷺	Fellowes: PRC	Watercourse
Great Egret	*Ardea alba*	大白鷺	Fellowes: PRC (RC)	Watercourse, Pond
Little Egret	*Egretta garzetta*	小白鷺	Fellowes: PRC (RC)	Watercourse, Pond
Great Cormorant	*Phalacrocorax carbo*	普通鸕鷀	Fellowes: PRC	Watercourse
Black Kite	*Milvus migrans*	黑鳶	Fellowes: (RC), CSMPS (II), CITES (II), Cap. 586	Watercourse
Black-winged Stilt	*Himantopus himantopus*	黑翅長腳鷸	Fellowes: RC	Watercourse
Pied Avocet	*Recurvirostra avosetta*	反嘴鷸	Fellowes: RC	Watercourse
Common Greenshank	*Tringa nebularia*	青腳鷸	Fellowes: RC	Watercourse
White-throated Kingfisher	*Halcyon smyrnensis*	白胸翡翠	Fellowes: (LC)	Watercourse
Collared Crow	*Corvus torquatus*	白頸鴉	Fellowes: LC, RLCV(NT), IUCN(VU)	Watercourse

Note:
Conservation Status:

a. Fellowes – Fellowes et al. (2002): PGC = Potential Global Concern, PRC = Potential Regional Concern, RC = Regional Concern, LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
b. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened, EN: Endangered
c. CSMPS – China State Major Protection Status: Appendix (I) or Appendix (II)
d. CITES – Under Appendix (I) or Appendix (II) of Convention on International Trade in Endangered Species of Wild Fauna
e. Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
f. All birds in Hong Kong are protected under Cap. 170 – Protected under Wild Animals Protection Ordinance

5.2.3 Herpetofauna

No herpetofauna species was recorded during the day and night survey within the Study Area.

5.2.4 Butterflies and Odonates

A total of 11 butterfly species and one odonate species were recorded within the Study Area. Most of the recorded butterfly and odonates species are considered to be common and widespread in Hong Kong. Three butterfly species of conservation importance, namely Tiny Grass Blue *Zizula hylax*, Danaid Egg-fly *Hypolimnas misippus*, and Small Cabbage White *Pieris rapae*, were recorded within the Study Area. Their protection and/or conservation status are presented in ***Table 5.6***. The photo of the recorded species of conservation importance are in ***Annex 3***.

Table 5.6 Butterfly Species of Conservation Importance Recorded within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation/ Protection Status	Distribution in Hong Kong (1)	Recorded Habitat
Tiny Grass Blue	*Zizula hylax*	長腹灰蝶	-	Very Rare, Species of Conservation Concern	Village Area
Danaid Egg-fly	*Hypolimnas misippus*	金斑蛱蝶	Fellowes: LC	Uncommon	Village Area
Small Cabbage White	*Pieris rapae*	菜粉蝶	-	Rare	Plantation

Notes:

1. Distribution in Hong Kong refers to AFCD database: Available at
   Chan, A., Cheung, J., Sze, P., Wong, A., Wong, E. and Yau, E. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12
2. Conservation Status: Fellowes – Fellowes et al. (2002): LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.

5.2.5 Aquatic Fauna

Four fish species and no aquatic invertebrate species were recorded in the watercourse habitat. No aquatic fauna species of conservation importance was recorded within the Study Area.

6. ECOLOGICAL EVALUATION

In this section the ecological importance of the habitats identified within the Study Area are evaluated in accordance with the *EIAO TM Annex 8* criteria. The evaluation is based upon the information of literature review and verification ecological baseline survey presented in the ***Sections 3 – 5***.

6.1 Study Area

A total of seven major terrestrial habitats have been identified within the Study Area, including plantation, shrubland/grassland, watercourse, fishpond, developed area, village area and managed wetland. The ecological importance evaluation of each habitat type within the Study Area is presented in ***Table 6.1*** to ***Table 6.5***.

Table 6.1: Ecological Evaluation of Plantation

Criteria	Plantation
Naturalness	Man-made habitat with planted species for landscaping purpose
Size	Approx. 1.32ha within the Study Area
Diversity	Low in diversity of plant species and structural complexity. Low diversity of fauna species.
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Recreatable
Fragmentation	Fragmented by developed areas. Three patches are found within the Study Area
Ecological Linkage	Limited linkage to adjacent habitat
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Unknown
Abundance/ Richness of Wildlife	Low abundance and richness for fauna species
Overall Ecological Importance	**Low**

Table 6.2: Ecological Evaluation of Shrubland/Grassland

Criteria	Shrubland/Grassland
Naturalness	Semi-natural habitat at early-stage of natural succession.
Size	Approx. 1.43ha within the Study Area
Diversity	Low to moderate diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Readily re-creatable.
Fragmentation	Fragmented into a few patches
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

Table 6.3: Ecological Evaluation of Watercourse

Criteria	Watercourse
Naturalness	Semi-natural watercourse and channelised watercourse are present in the Study Area. Anthropogenic influences were observed.
Size	Approx. 10.07ha within the Study Area
Diversity	Low in diversity of plant species and structural complexity. Moderate to high diversity of avifauna species, low diversity of other fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna species of conservation importance recorded during the surveys include: Avifauna – Northern Shoveler, Eurasian Wigeon, Black-faced Spoonbill, Black-crowned Night Heron, Chinese Pond Heron, Grey Heron, Great Egret, Little Egret, Great Cormorant, Black Kite, Black-winged Stilt, Pied Avocet, Common Greenshank, White-throated Kingfisher and Collared Crow
Re-creatability	Re-creatable under suitable hydrological conditions for main channelised channel; difficult to be re-created for semi-natural meanders and tributaries
Fragmentation	Not fragmented.
Ecological Linkage	Ecologically linked to adjacent fishpond habitats.
Potential Value	Act as foraging grounds for a multitude of water bird species. Could be enhanced by reducing pollution to watercourse.
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	River works completed in 2000s
Abundance/ Richness of Wildlife	Moderate to high abundance and richness for avifauna species, Low abundance and richness for other fauna species.
Overall Ecological Importance	**Moderate to High** for both semi-natural sections and channelised channel.

Table 6.4: Ecological Evaluation of Pond

Criteria	Pond
Naturalness	Anthropogenic habitat with high level of human disturbance
Size	Approx. 8.49ha within the Study Area
Diversity	Low diversity of plant species and moderate structural complexity in the riparian zones. Moderate diversity of avifauna species, low diversity of other fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna Species of conservation importance recorded during the surveys include: Avifauna –Great Egret, Little Egret and White-throated Kingfisher
Re-creatability	Re-creatable
Fragmentation	Majority not fragmented, some isolated
Ecological Linkage	Ecologically linked to adjacent ponds.
Potential Value	Ecological value could be enhanced by more ecologically friendly management methods.
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded. Potential breeding ground for water bird species.
Age	Unknown
Abundance/ Richness of Wildlife	Moderate abundance and richness for avifauna species, Low abundance and richness for other fauna species.
Overall Ecological Importance	**Moderate**

Table 6.2: Ecological Evaluation of Developed Area

Criteria	Developed Area
Naturalness	Anthropogenic habitat with high level of human disturbance.
Size	Approx. 2.94ha within the Study Area
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna Species of conservation importance recorded during the surveys include Mammal – Japanese Pipistrelle
Re-creatability	Readily re-creatable.
Fragmentation	N/A
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

Table 6.6: Ecological Evaluation of Village Area

Criteria	Village Area
Naturalness	Anthropogenic habitat with high level of human disturbance.
Size	Approx. 2.80ha within the Study Area
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora species of conservation importance recorded during the surveys. Fauna Species of conservation importance recorded during the surveys include Butterfly – Danaid Egg-fly, Small Cabbage White and Tiny Grass Blue
Re-creatability	Readily re-creatable.
Fragmentation	N/A
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

Table 6.7: Ecological Evaluation of Managed Wetland

Criteria	Managed Wetland
Naturalness	Semi-natural habitat with active human management for conservation purposes.
Size	Approx. 5.63ha within the Study Area
Diversity	Low in diversity of plant species, structural complexity, and moderate diversity of avifauna and herpetofauna species, low diversity of other fauna species

Criteria	Managed Wetland
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Re-creatable under suitable hydrological conditions
Fragmentation	N/A
Ecological Linkage	Ecologically linked to adjacent ponds and watercourse.
Potential Value	Could be better enhanced with improved management practices
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded. Potential breeding ground for water bird species
Age	Less than 20 years.
Abundance/ Richness of Wildlife	Moderate abundance and richness for avifauna and herpetofauna species, Low abundance and richness for other fauna species.
Overall Ecological Importance	**Moderate**

6.2 Project Site

The Project Site, including works area, comprise of approximately 0.05ha of village area. The abundance and richness of wildlife are very low due to the small size of the Project Site and its adjacency to an existing, regularly used vehicular/ pedestrian access. No flora or fauna species was recorded within the Project Site during ecological baseline survey. No tree felling/ pruning will be required. The evaluation of village area within the Project Site is presented in ***Table 6.3***.

Table 6.3: Ecological Evaluation of Project Site

Criteria	Village Area within Project Site
Naturalness	Anthropogenic habitat with high level of human disturbance.
Size	Approx. 0.05ha
Diversity	Low in diversity of plant species, structural complexity, and low diversity of fauna species.
Rarity	No flora and fauna species of conservation importance recorded during the surveys.
Re-creatability	Readily re-creatable.
Fragmentation	N/A
Ecological Linkage	Weak ecological linkage with adjacent habitats
Potential Value	Low
Nursery/ Breeding Ground	No significant nursery or breeding ground recorded.
Age	Various.
Abundance/ Richness of Wildlife	Very low abundance and richness for fauna species.
Overall Ecological Importance	**Low**

7. ECOLOGICAL ASSESSMENT

7.1 Identification of Potential Ecological Impacts

In view of the current habitat conditions of the Project Site and its vicinity and their ecological values, the potential ecological impacts associated with the LV cable laying near Nam Sang Wai Road is predicted as follows. The potential impacts would cease immediately upon completion of the installation works, where there will be no operational impacts.

- Temporary habitat loss and habitat disturbance within the Project Site due to excavation of cable trenches;
- Indirect disturbances to the surrounding habitats and associated wildlife due to the construction works (e.g. increased human activities, generation of dust, waste and noise and inappropriate disposal of construction materials); and
- Indirect impacts (pollution) on watercourses due to construction run-off.

7.2 Assessment of Ecological Impacts in the Absence of Mitigation Measures

In the absence of mitigation measures, the identified ecological impacts due to installation of the proposed cable along Tam Kon Chau Road are evaluated in the following sections.

7.2.1 Temporary Habitat Loss

Direct habitat loss arising from the Project limits to the cable trenches near Nam Sang Wai Road within village area. The construction works include excavation by QPME (Quality Powered Mechanical Equipment) excavators and the hand tools, cable laying and reinstatement. The dimension of the cable trenches, which will be reinstated upon completion of construction, is approximately 3m in width and 5.5m in depth. The Project's works area will be restricted to 1m on either of the proposed cable route, which will involve minimal vegetation clearance. Only transitional vegetated areas (with grass only) between the existing road/ paved surface and adjacent habitat. No tree felling or pruning will be involved.

In the absence of mitigation measures, the direct habitat loss caused by the Project is considered to be of **Very Low** to village area. The assessment of potential direct impact on habitats within the Project Site in the absence of mitigation measures is detailed in ***Table 7.1***.

Table 7.1: Temporary Loss of Existing Habitats within the Project Site

Criteria	Village Area
Habitat Quality	Low
Species	No flora and fauna species of conservation importance recorded during the surveys.
Size/Abundance	Small with a total area of 0.05ha (including works area). No tree removal and pruning will be involved.
Duration	Temporary, the works will be completed (including reinstatement) around 4 weeks
Reversibility	The trenches will be reinstated upon completion of construction
Magnitude	Very small
Overall Impact Severity	**Very Low**

7.2.2 Indirect Disturbances to Surrounding Habitats and Associated Wildlife

The surrounding habitats including fish ponds and watercourses adjacent to the Project Site could be indirectly impacted by the Project, due to construction-induced disturbances arising from the Project. Increased human activities (esp. during the construction phase) and construction activities would be the main source of disturbance accrued from the proposed works. Noise, dust, waste generation, and visual disturbance, which may arise from the construction activities, are predicted to occur during construction. As the cable alignment will be located along the existing pavement/ road surface as far as possible, the excavation is not expected to cause direct disturbance or the physical damages to the surrounding habitats.

Different terrestrial ecological resources, including avifauna and butterfly species of conservation importance, have been identified to be located in the vicinity of the proposed cable route. These species could be indirectly impacted by the proposed construction works.

According to the baseline ecological survey and literature review, fauna inhabiting the nearby area are highly mobile and able to move to the other similar habitats, which are large in area and with higher habitat quality. Furthermore, the fauna recorded in the Study Area were less susceptible to the anthropogenic disturbances. Therefore, nuisances induced by the small-scale construction work along the Project Site would not have significant impact to surrounding wildlife. As observed during the baseline survey, waterbirds in the Study Area are generally not disturbed by frequent human activity, traffic and activity from construction. However, the excavation could pose risk to smaller fauna species such as small mammals and amphibian, where they could be trapped in open trenches.

In the absence of mitigation measures, the above-mentioned disturbance impact on surrounding habitats and associated wildlife due to noise, dust, waste generation and visual disturbance etc. caused by increased human activities is considered to be **Low**.

7.2.3 Indirect Impact (Pollution) on Watercourses

Site runoff from the works area may contain suspended solids and contaminants if uncontrolled. Potential sources of water pollution from uncontrolled site runoff may include runoff and erosion of exposed bare soil, earth and stockpiles, fuel, oil, and lubricant from maintenance of construction mechanical equipment. Water pollution could be substantial if construction runoff is allowed to discharge without mitigation, resulting in adverse impacts through physical and biological disruption of the area's ecosystem. Taking into account the small scale of the construction works, in the absence of mitigation measures, the impact of potential water pollution caused by the Project is considered to be of **Low to Moderate** significance.

7.3 Cumulative Impact

No concurrent project, of which the construction programme would have overlapped with this Project, is identified within the Study Area. And hence, cumulative impact is not anticipated for this Project.

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8. MITIGATION AND PRECAUTIONARY MEASURES

Based on the ecological impacts predicted in ***Section 7***, mitigation measures to avoid, minimise or compensate (if necessary) for the potential significant impacts are detailed below. In line with the EIAO-TM, ways to avoid impacts were identified and followed wherever possible during the planning and design stage. If, despite taking all appropriate design measures of avoidance and minimisation, potential ecological impacts of greater than "Low" significance are still anticipated, further mitigation measures are considered necessary to reduce these impacts to an acceptable level. Moreover, to achieve a better ecological performance, precautionary measures are proposed under this project for certain potential ecological impacts that are not considered to be significant.

In order to minimise the potential disturbances arising the project, good site/ construction practice and housekeeping measures will be adopted. Mitigation measures and good construction practices are recommended below.

8.1 Avoidance and Minimisation

- During the planning stage, the Project Proponent has conducted site visits with contractors to minimise footprint/ impact on vegetation, tree and habitat loss at any stage of the Project. No tree felling or pruning will be caused by the Project.
- The cable laying work will be constructed section by section. The trench will be backfilled with soil stocking before moving to next section.
- The construction period will be between April and May 2023 for about four weeks, which will avoid the wintering season of migratory birds.
- The relevant statutory requirements for the construction activities will be complied with.

8.2 Mitigation for Indirect Disturbances to Surrounding Habitats and Associated Wildlife

- All construction activities will be carried out in daytime hours (i.e. 8:00 am to 5:00 pm) only, which is at least one hour after sunrise and over one hour before sunset;
- The construction works would be carried out using QPME excavators and hand tools to minimise the potential impacts;
- The boundary of the works area will be clearly marked by temporary fence. The works area boundaries will be regularly checked to ensure that they are not breached and that no adverse impacts occur to surrounding habitat and associated wildlife;
- Contractors will check the excavation trench each day, prior to commencing work, to ensure that no mammals, reptiles or amphibians are trapped in the trench;
- Adopt appropriate measures including controlled wastewater discharge to the nearby water bodies, in accordance with the guidelines stipulated in Environmental Protection Department (EPD)'s *Practice Note for Professional Persons on Construction Site Drainage (ProPECC PN1/94)* during the construction works to properly control site run-off and drainage and to minimise potential water quality impacts;
- In the event of rain or at any time when rainstorms are likely to happen, exposed surfaces within the works area should be covered by tarpaulin or by other means;
- Avoid any damage and disturbance, particularly those caused by filling and illegal dumping to the surrounding natural habitats;
- Prohibit and prevent open fires within the works area boundary during construction and provide temporary firefighting equipment in the work areas;

- Good site practice will be enforced and effective mitigation measures are required. Works site will be kept tidy at all times. Regular watering to minimise dust emissions from exposed site surfaces and construction activities would be provided. The dusty materials and the open stockpiles shall be avoided or covered fully by the tarpaulin. Accumulation of construction waste and general refuse will not be allowed; and
- Upon completion of the construction works at each section, the works areas will be reinstated.

8.3 Residual Ecological Impacts after Implementation of Proposed Mitigation Measure

Table 8.1 summarises the potential ecological impacts of the project, the impacts that require mitigation, the mitigation measures to be carried out and the residual impacts after mitigation. It can be seen that with the implementation of proposed mitigation measures described above, residual impacts of the Project could be reduced to **Low/ Negligible**.

Table 8.1: Summary of Potential Ecological Impacts, Required Mitigation Measures and Post-mitigation Acceptability of the Project

Potential Impact	Predicted Significance of Impact in Absence of Mitigation Measures	Proposed Mitigation/ Precautionary Measures	Residual Impact
Direct Habitat Loss (Developed Area)	**Very Low**	• Not required	**Very Low**
Indirect Disturbances to Surrounding Habitats and Associated Wildlife	**Low**	• The construction period will be between April and May 2023 for four weeks, which will avoid the wintering season of migratory birds. • All construction activities will be carried out in daytime hours (i.e. 8:00 am to 5:00 pm) only, which is at least one hour after sunrise and over one hour before sunset; • The construction works would be carried out using QPME excavators and hand tools; • The boundary of the works area will be clearly marked by temporary fence. The works area boundaries will be regularly checked to ensure that they are not breached and that no adverse impacts occur to surrounding habitat and associated wildlife; and • Contractors will check the excavation trench each day, prior to commencing work, to ensure that no mammals, reptiles or amphibians are trapped in the trench.	**Low/ Negligible**
Indirect Impact (Pollution) on Watercourses	**Low to Moderate**	• Adopt appropriate measures including controlled wastewater discharge to the nearby water bodies, in accordance with the guidelines stipulated in Environmental Protection Department (EPD)'s *Practice Note for Professional Persons on Construction Site Drainage (ProPECC PN1/94)* during the construction works to properly control site run-off and drainage and to minimise potential water quality impacts; • In the event of rain or at any time when rainstorms are likely to happen, exposed surfaces within the works area should be covered by tarpaulin or by other means; • Avoid any damage and disturbance, particularly those caused by filling and illegal dumping to the surrounding natural habitats; and • Good site practice will be enforced and effective mitigation measures are required. Works site will be kept tidy at all times. Regular watering to minimise dust emissions from exposed site surfaces and construction activities would be provided. The dusty materials and the open stockpiles shall be avoided or covered fully by the tarpaulin. Accumulation of construction waste and general refuse will not be allowed.	**Low/ Negligible**
Cumulative Impact	**Not anticipated**	• Not required	**Not anticipated**

9. SUMMARY OF ECOLOGICAL ASSESSMENT

The main terrestrial ecological resources recorded within the proposed construction works section of the Study Area comprise of plantation, shrubland/grassland, watercourse, pond, developed area, village area, managed wetland, and their associated wildlife, where the Project Sites will be restricted to village area on Nam Sang Wai Road. Majority of the habitat within the Study Area is considered to be anthropogenic with frequent disturbance from traffic on Nam Sang Wai Road and commercial fishpond operation. The ecological value of the habitats is considered to be moderate for watercourse; low to moderate for pond and managed wetland, low for plantation, shrubland/grassland, developed area and village area.

The village area within the Project Site is considered to have a low level of ecological value, given that the habitat nature is anthropogenic with high level of human disturbance. The Project Site support a very low diversity of flora and fauna species, where the proposed cable route has also been designed to avoid any tree felling and tree pruning. In the absence of mitigation measures, the temporary habitat loss within Project Site is considered to be of Very Low significance. The potential indirect disturbances to surrounding habitat and associated wildlife is considered to be of Low significance, and indirect impact (pollution) on watercourses is considered to be Low to Moderate.

In order to mitigate for the potential ecological impacts, the proposed works will be conducted in daytime hours only and contractors will be checking the presence of wildlife in open trenches to minimise potential impact on wildlife. Good site practices and the measures in accordance with the Practice Notes for Professional Persons on "*Construction Site Drainage*" (ProPECC PN 1/94) will be applied to control surface runoff and the potential pollution to watercourse.

With the implementation of the proposed mitigation measures, residual ecological impacts of the Project would be of low/negligible significance and acceptable.

Annex 1

Habitat Photos

Plantation

Shrubland/Grassland

Watercourse

Fishpond

Annex 1

Habitat Photos

DATE: 12/12/2022

Environmental Resources Management

ERM

Developed Area

Village Area

Managed Wetland

Annex 1

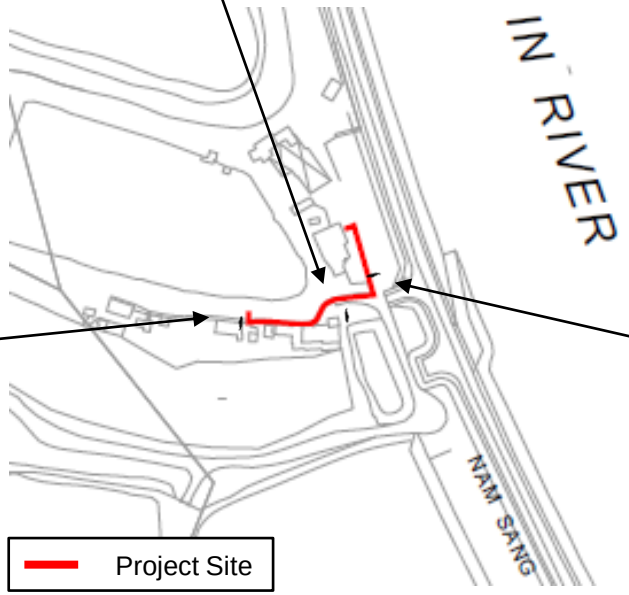
DATE: 12/12/2022

Habitat Photos

Environmental Resources Management

ERM

Village Area (Project Site)



Village Area (Project Site)

Village Area (Project Site)

Annex 1

DATE: 12/12/2022

Habitat Photos

Environmental Resources Management

ERM

Annex 2

Presence of Plant Species Recorded Within the Study Area

Annex 2 Presence of Plant Species Recorded Within the Study Area

Species Name	Chinese Name	Origin[1]	Growth Form	Status in Hong Kong[2]	Status in Hong Kong[2]	Conservation Status[3]	Study Area						Project Site	
							WC	PO	VA	DA	S/G	PL	MW	VA
Acacia auriculiformis	耳果相思	E	Tree	Widely cultivated								✓	✓	
Acacia mangium	大葉相思, 馬占相思	E	Tree	Widely cultivated								✓		
Acanthus ilicifolius	老鼠簕	E	Shrub	Common			✓	✓					✓	
Acrostichum aureum	鹵蕨	N	Herb	Restricted			✓	✓						
Agave americana	龍舌蘭	N	Herb	Common					✓		✓			✓
Allamanda schottii	硬枝黃蟬	E	Shrub	Cultivated					✓		✓			✓
Alocasia macrorrhizos	海芋	N	Herb	Common					✓		✓			✓
Alysicarpus vaginalis	鏈荚豆	N	Herb	Very common						✓				
Averrhoa carambola	楊桃	E	Tree	Common					✓					✓
Avicennia marina	白骨壤	N	Shrub	Common			✓							
Bambusa multiplex	觀音竹	E	Bamboo	Common							✓			
Bidens alba	白花鬼針草	E	Herb	Very common			✓	✓	✓	✓	✓			✓
Bischofia javanica	秋楓	N	Tree	Common								✓	✓	
Bombax ceiba	木棉	E	Tree	Cultivated						✓	✓		✓	
Bougainvillea spectabilis	簕杜鵑	E	Climber/Shrub	Cultivated					✓				✓	✓
Brachiaria subquadripara	四生臂形草	N	Herb	-						✓	✓			
Bridelia tomentosa	**土蜜樹**	N	Shrub/Tree	Very common						✓	✓		✓	
Broussonetia papyrifera	構樹	N	Tree	Very common					✓	✓	✓			✓
Calliandra haematocephala	朱纓花, 紅絨球	E	Shrub	Cultivated							✓	✓		
Callistemon viminalis	串錢柳	E	Tree	Cultivated								✓		
Celosia argentea	青葙	N	Herb	Very common			✓		✓	✓	✓			✓
Chloris barbata	孟仁草	N	Herb	Very common					✓	✓	✓			✓
Cleome rutidosperma	皺子白花菜	E	Herb	Restricted							✓			
Coccinia grandis	紅瓜	N	Climber	Common				✓			✓			
Cuscuta chinensis	菟絲子	N	Herb	Common				✓		✓			✓	
Cyclosorus interruptus	間斷毛蕨, 毛蕨	N	Shrub	Common				✓					✓	
Cynodon dactylon	狗牙根	N	Herb	Very common			✓	✓	✓	✓	✓		✓	✓
Desmodium heterocarpon	假地豆	N	Shrub	Very common						✓	✓			
Desmos chinensis	假鷹爪	N	Climber/Shrub	Common							✓			
Dimocarpus longan	龍眼, 桂圓	E	Tree	Restricted					✓		✓			✓
Dypsis lutescens	散尾葵	E	Shrub	Common					✓					✓
Eichhornia crassipes	鳳眼藍, 大水萍	E	Herb	Common			✓	✓						
Eucalyptus citriodora	檸檬桉	E	Tree	Cultivated								✓	✓	
Eucalyptus urophylla	尾葉桉	E	Tree	Cultivated							✓			
Euphorbia hirta	大飛揚草	E	Herb	Very common					✓	✓			✓	✓
Euphorbia thymifolia	千根草, 小飛揚	N	Herb	Very Common					✓	✓				✓
Excoecaria agallocha	海漆	N	Tree	Common			✓							
Fagraea ceilanica	灰莉	E	Shrub	-					✓					✓
Ficus hispida	對葉榕	N	Shrub/Tree	Very common					✓		✓			✓
Ficus microcarpa	細葉榕	N	Tree	Common					✓	✓			✓	✓
Ficus pumila	薜荔	N	Climber	Very common					✓	✓				✓
Ficus virens	黃葛樹, 大葉榕	N	Tree	Common						✓	✓			
Flueggea virosa	白飯樹	N	Shrub	Common					✓	✓			✓	✓
Hedyotis corymbosa	傘房花耳草	N	Herb	Very common				✓		✓				
Hibiscus tiliaceus	黃槿	N	Tree	Very common			✓	✓			✓		✓	
Hylocereus undatus	量天尺, 霸王花, 火龍果	E	Herb	Common					✓					✓
Hyophorbe lagenicaulis	酒瓶椰子	E	Tree	-					✓					✓
Hypserpa nitida	夜花藤	N	Climber	Very common						✓	✓			
Indigofera suffruticosa	野青樹	N	Small Tree	Restricted						✓	✓			
Ipomoea nil	牽牛	E	Herb	Common					✓	✓	✓			✓
Ipomoea obscura	小心葉薯, 紫心牽牛	N	Herb	Common					✓	✓	✓			✓
Ischaemum aristatum	鴨嘴草	N	Herb	-			✓	✓						
Kandelia obovata	水筆仔	N	Tree	Very common			✓						✓	
Koelreuteria bipinnata	複羽葉欒樹	E	Tree	Cultivated								✓		
Lagerstroemia speciosa	大花紫薇	E	Tree	Cultivated								✓		
Lantana camara	馬纓丹, 如意草	E	Shrub	Common						✓	✓	✓		
Lemna minor	浮萍	N	Herb	-				✓						
Leucaena leucocephala	銀合歡	E	Shrub/Tree	Common			✓	✓	✓	✓	✓		✓	✓
Lindernia crustacea	母草	N	Herb	Common						✓	✓			
Liriope spicata	山麥冬, 麥門冬	N	Herb	Very common				✓						
Litchi chinensis	荔枝	E	Tree	Restricted					✓		✓			✓
Litsea glutinosa	潺槁樹	N	Tree	Very common								✓		
Lucuma nervosa	蛋黃果	E	Tree	Common				✓	✓					✓
Ludwigia hyssopifolia	草龍	N	Herb	Common				✓						
Macaranga tanarius var. tomentosa	血桐	N	Tree	Common			✓		✓		✓			✓
Mangifera indica	芒果	E	Tree	Cultivated							✓			
Melaleuca cajuputi subsp. Cumingiana	白千層	E	Tree	Cultivated								✓		
Melia azedarach	苦楝	E	Tree	Common						✓	✓		✓	
Melinis repens	紅毛草	E	Herb	Very common					✓	✓	✓			✓
Microcos nervosa	**破布葉，布渣葉**	N	Shrub/Tree	Common					✓	✓	✓			✓
Mikania micrantha	薇甘菊	E	Climber/Herb	Common				✓	✓	✓	✓		✓	✓
Mimosa pudica	含羞草	E	Herb	Very common					✓	✓			✓	✓
Morus alba	桑	N	Shrub/Tree	Common						✓	✓			

Annex 2 Presence of Plant Species Recorded Within the Study Area

Species Name	Chinese Name	Origin[1]	Growth Form	Status in Hong Kong[2]	Status in Hong Kong[2]	Conservation Status[3]	Study Area							Project Site
							WC	PO	VA	DA	S/G	PL	MW	VA
Paederia scandens	雞矢藤	N	Herb	Very common				✓	✓	✓	✓			✓
Panicum maximum	大黍	E	Herb	Very common			✓	✓	✓	✓	✓			✓
Passiflora foetida	龍珠果	E	Climber	Very common					✓	✓	✓			✓
Passiflora suberosa	南美西番蓮	E	Climber	Common				✓	✓	✓	✓			✓
Peltophorum pterocarpum	盾柱木	E	Tree	Cultivated								✓		
Pennisetum purpureum	象草	E	Herb	Very common				✓						
Phragmites australis	蘆葦	N	Herb	Common			✓	✓					✓	
Phyllanthus emblica	餘甘子, 油甘子	N	Shrub/Tree	Common						✓		✓		
Phyllanthus myrtifolius	瘤腺葉下珠	E	Shrub	-								✓		
Portulaca oleracea	馬齒莧	N	Herb	Common							✓			
Rhaphiolepis indica	車輪梅	N	Shrub/Tree	Very common							✓		✓	
Sageretia thea	雀梅藤	N	Climber/Shrub	Very common							✓	✓		
Sansevieria trifasciata	虎尾蘭	E	Herb	Cultivated					✓					✓
Sapium discolor	山烏桕	N	Tree	Very common							✓			
Schefflera arboricola	鵝掌藤	E	Climber/Shrub	Common					✓			✓	✓	✓
Scoparia dulcis	野甘草, 冰塘草	E	Herb/Shrub	Common				✓	✓	✓	✓			✓
Senna siamea	鐵刀木, 暹羅槐	E	Tree	Common								✓		
Sesbania cannabina	田菁	E	Herb	Common				✓		✓	✓			
Solanum torvum	水茄	E	Shrub	Common				✓	✓	✓	✓			✓
Sonneratia sp.	海桑屬	E	Tree	Introduced			✓	✓					✓	
Sterculia lanceolata	假蘋婆	N	Tree	Very common					✓		✓			✓
Suaeda australis	南方鹼蓬	N	Herb/Shrub	Common			✓							
Syzygium cumini	海南蒲桃	E	Tree	Common								✓		
Syzygium jambos	蒲桃	E	Tree	Common					✓					✓
Trachelospermum jasminoides	絡石	N	Climber	-								✓		
Tridax procumbens	羽芒菊	E	Herb	Very common					✓	✓				✓
Typha angustifolia	水燭	E	Herb	Rare				✓					✓	
Urena lobata	肖梵天花, 地桃花	N	Shrub	Common							✓			
Vernonia amygdalina	南非葉	E	Shrub	-					✓					✓
Wedelia trilobata	三裂葉蟛蜞菊	E	Herb	Common					✓	✓	✓	✓	✓	✓
Wisteria sinensis	紫藤	E	Climber	Cultivated					✓					✓
				104	**TOTAL**	**TOTAL**	**17**	**27**	**45**	**41**	**51**	**20**	**25**	**45**

Notes:

1. Origin of plant species refers to AFCD (2012). Check List of Hong Kong Plants 2012. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong.
2. Commonness follows:
   - Xing, F.W., Ng, S.C., Chau, L.K.C. 2000. Gymnosperms and angiosperms of Hong Kong. Memoirs of the Hong Kong Natural History Society 23: 21-136.
   - KFBG (2003) Flora of Hong Kong – Pteridophyta. Kadoorie Farm and Botanic Garden, Hong Kong
   - AFCD (2003) Rare and Precious Plants of Hong Kong. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong.
   - AFCD (2007) Flora of Hong Kong Vol. 1. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden, Chinese Academy of Sciences
   - AFCD (2008) Flora of Hong Kong Vol. 2. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden Chinese Academy of Sciences
   - AFCD (2009) Flora of Hong Kong Vol. 3. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden Chinese Academy of Sciences
   - AFCD (2011) Flora of Hong Kong Vol. 3. Edited by Hong Kong Herbarium, Agriculture, Fisheries and Conservation Department & South China Botanical Garden Chinese Academy of Sciences

   Conservation status follows:
   - AFCD (2003) Rare and Precious Plants of Hong Kong. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong.
   - Cap. 96A: Forestry Regulations, the subsidiary legislation of Forests and Countryside Ordinance (Cap. 96).
   - Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
   - CPRDB: Fu and Jin (1992) China Plant Red Data Book
   - IUCN: International Union for Conservation of Nature Red List of Threatened Species (2017). NT = Near threatened, VU = Vulnerable.
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, FP = Fishpond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 3

Photographic Records of Species of Conservation Importance

Northern Shoveler

Eurasian Wigeon

Black-faced Spoonbill

Black-crowned Night Heron

Annex 3

Photographic Records of Species of Conservation Importance

DATE: 12/12/2022

Environmental Resources Management

ERM

Chinese Pond Heron

Grey Heron

Great Egret

Little Egret

Annex 3

Photographic Records of Species of Conservation Importance

DATE: 12/12/2022

Environmental Resources Management

ERM

Great Cormorant

Black-winged Stilt

Pied Avocet

Common Greenshank

Annex 3

Photographic Records of Species of Conservation Importance

DATE: 12/12/2022

Environmental Resources Management

ERM

White-throated Kingfisher

Pied Kingfisher

Collared Crow

Danaid Egg-fly

Annex 4

Presence of Mammal Species Recorded Within the Study Area

Annex 4 Presence of Mammal Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Commonness[2]	Habitat[3] Study Area							
					PL	S/G	WC	PO	DA	VA	MW	Project VA
Japanese Pipistrelle	*Pipistrellus abramus*	東亞家蝠	Cap.170	Widely distributed throughout Hong Kong.					1			
				TOTAL	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**

Notes:

1. Conservation and Protection Status:
   a. Cap. 170 – Protected under Wild Animals Protection Ordinance
2. Commonness as per AFCD database: Available at https://bih.gov.hk/en/home/index.html
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 5

Presence of Avifauna Species Recorded Within the Study Area

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Northern Shoveler	*Spatula clypeata*	琵嘴鴨	Fellowes: RC	Abundant winter visitor. Found in Deep Bay area.			**14**					
Eurasian Wigeon	*Mareca penelope*	赤頸鴨	Fellowes: RC	Winter visitor. Found in Deep Bay area, Tai Lam Chung.			**3**					
Black-faced Spoonbill	*Platalea minor*	黑臉琵鷺	Fellowes: PGC; RLCV(EN); IUCN(EN); CSMPS(II)	Common winter visitor. Found in Deep Bay area.			**2**					
Black-crowned Night Heron	*Nycticorax nycticorax*	夜鷺	Fellowes: (LC)	Common resident and migrant. Widely distributed in Hong Kong.			**1**					
Chinese Pond Heron	*Ardeola bacchus*	池鷺	Fellowes: PRC (RC)	Common resident. Widely distributed in Hong Kong.			**6**					
Grey Heron	*Ardea cinerea*	蒼鷺	Fellowes: PRC	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Aguilar.			**4**					
Great Egret	*Ardea alba*	大白鷺	Fellowes: PRC (RC)	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.			15	2				
Little Egret	*Egretta garzetta*	小白鷺	Fellowes: PRC (RC)	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.			20	1				
Great Cormorant	*Phalacrocorax carbo*	普通鸕鷀	Fellowes: PRC	Common winter visitor. Widely distributed in coastal areas throughout Hong Kong.			3					
Black Kite	*Milvus migrans*	黑鳶	Fellowes: (RC); CITES(II); CSMPS(II); Cap.586	Common resident and winter visitor, widely distributed in Hong Kong			2					

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Black-winged Stilt	*Himantopus himantopus*	黑翅長腳鷸	Fellowes: RC	Common migrant and wintor visitor. Found in Deep Bay area, Long Valley, Kam Tin.			5					
Pied Avocet	*Recurvirostra avosetta*	反嘴鷸	Fellowes: RC	Abundant winter visitor. Found in Deep Bay area.			3					
Common Sandpiper	*Actitis hypoleucos*	磯鷸	-	Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.			1					
Common Greenshank	*Tringa nebularia*	青腳鷸	Fellowes: RC	Abundant winter visitor and migrant. Found in Deep Bay area.			1					
Rock Dove	*Columba livia*	原鴿	-	Locally common resident. Widely distributed in urban area throughout Hong Kong.					7			
Spotted Dove	*Spilopelia chinensis*	珠頸斑鳩	-	Abundant resident. Widely distributed in Hong Kong.	1	2	2		2			
White-throated Kingfisher	*Halcyon smyrnensis*	白胸翡翠	Fellowes: (LC)	Common resident. Widely distributed in coastal areas throughout Hong Kong.			1					
Pied Kingfisher	*Ceryle rudis*	斑魚狗	Fellowes: (LC)	Common resident. Widely distributed in lakes and ponds throughout Hong Kong.				1				
Collared Crow	*Corvus torquatus*	白頸鴉	Fellowes: LC; RLCV(NT); IUCN(VU)	Locally common resident. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek lap Kok, Shuen Wan, Lam Tsuen.			2					

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Large-billed Crow	*Corvus macrorhynchos*	大嘴烏鴉	-	Common resident. Widely distributed in Hong Kong.		1						
Red-whiskered Bulbul	*Pycnonotus jocosus*	紅耳鵯	-	Abundant resident. Widely distributed in Hong Kong.		2			1			
Chinese Bulbul	*Pycnonotus sinensis*	白頭鵯	-	Abundant resident. Widely distributed in Hong Kong.	3	1						
Barn Swallow	*Hirundo rustica*	家燕	-	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.			1					
Dusky Warbler	*Phylloscopus fuscatus*	褐柳鶯	-	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	1				1			
Plain Prinia	*Prinia inornata*	純色鷦鶯	-	Locally common resident. Widely distributed in grassland throughout Hong Kong.			1					
Masked Laughingthrush	*Pterorhinus perspicillatus*	黑臉噪鶥	-	Abundant resident. Widely distributed in shrubland throughout Hong Kong.		2				4		4
Crested Myna	*Acridotheres cristatellus*	八哥		Abundant resident. Widely distributed in Hong Kong.			14		3	3		
Black-collared Starling	*Gracupica nigricollis*	黑領椋鳥	-	Common resident. Widely distributed in Hong Kong.			1		1	3		
Daurian Redstart	*Phoenicurus auroreus*	北紅尾鴝	-	Common winter visitor. Widely distributed in Hong Kong.	1		1					

Annex 5 Presence of Avifauna Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Conservation Status[1]	Distribution in Hong Kong[2]	Habitat[3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Stejneger's Stonechat	*Saxicola stejnegeri*	黑喉石鵖	-	Common passage migrant and winter visitor. Widely distributed in open fields throughout Hong Kong.			2				1	
Fork-tailed Sunbird	*Aethopyga christinae*	叉尾太陽鳥	-	Common resident and winter visitor. Widely distributed in Hong Kong.					1			
Eurasian Tree Sparrow	*Passer montanus*	樹麻雀	-	Abundant resident. Widely distributed in Hong Kong.					2	3		
Scaly-breasted Munia	*Lonchura punctulata*	斑文鳥	-	Abundant resident. Widely distributed in Hong Kong.				40				
White Wagtail	*Motacilla alba*	白鶺鴒	-	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.			1			2	1	
			TOTAL		**4**	**5**	**24**	**4**	**8**	**5**	**2**	**1**

Notes:

1. Conservation and Protection Status:
   a. Fellowes – Fellowes *et al.* (2002): LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern.
      Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
   b. CITES (II) – Under Appendix II of Convention on International Trade in Endangered Species of Wild Fauna and Flora
   c. CSMPS – China State Major Protection Status: Appendix I/II
   d. RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened
   e. Cap. 586 - Protected under Protection of Endangered Species of Animals and Plants Ordinance
   f. IUCN – IUCN (2022): VU = Vulnerable
   g. All birds in Hong Kong are protected under Cap. 170 – Protected under *Wild Animals Protection Ordinance*
2. Distribution as per AFCD database. Available at https://bih.gov.hk/en/home/index.html
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 6

Presence of Butterfly Species Recorded Within the Study Area

Annex 6 Presence of Butterfly Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Consevation/ Protection Status	Distribution in Hong Kong [1]	Habitat[2] Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Long-tailed Blue	*Lampides boeticus*	亮灰蝶	-	Common						1		
Tiny Grass Blue	*Zizula hylax*	長腹灰蝶	-	Very Rare; Species of Conservation Concern						1		
Common Indian Crow	*Euploea core*	幻紫斑蝶	-	Common			1					
Danaid Egg-fly	*Hypolimnas misippus*	金斑蛱蝶	Fellowes: LC	Uncommon						1		
Common Sailer	*Neptis hylas*	中環蛱蝶	-	Very Common					1			
Dark-brand Bush Brown	*Mycalesis mineus*	小眉眼蝶	-	Very Common					1			
Tailed Jay	*Graphium agamemnon*	統帥青鳳蝶	-	Common								
Common Mormon	*Papilio polytes*	玉帶鳳蝶	-	Very Common					1			
Common Grass Yellow	*Eurema hecabe*	寬邊黃粉蝶	-	Very Common						1		
Red-base Jezebel	*Delias pasithoe*	報喜斑粉蝶	-	Very Common					1			
Small Cabbage White	*Pieris rapae*	菜粉蝶	-	Rare						1		
				TOTAL	**0**	**0**	**1**	**0**	**4**	**5**	**0**	**0**

Notes:

1. Distribution in Hong Kong refers to AFCD database: Chan et al. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12
2. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 7

Presence of Odonate Species Recorded Within the Study Area

Annex 7 Presence of Odonate Species Recorded Within the Study Area

Common Name	Scientific Name	Chinese Name	Rarity in Hong Kong [1]	Distribution in Hong Kong [2]	Habitat [3]							
					Study Area							Project Site
					PL	SH	WC	PO	DA	VA	MW	VA
Wandering Glider	*Pantala flavescens*	黃蜻	Abundant	Widely distributed all over Hong Kong.				10	1			
TOTAL					**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**

Notes:

1. Rarity in Hong Kong refers to AFCD database: Available at http://www.afcd.gov.hk/english/conservation/hkbiodiversity/database/search.asp?lang=en.
2. Distribution as per AFCD database. Available at https://bih.gov.hk/en/home/index.html
3. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Annex 8

Presence of Aquatic Fauna Species Recorded Within the Study Area

Annex 8 Presence of Aquatic Fauna Species Recorded Within the Study Area

Scientific Name	Common Name	Chinese Name	Conservation Status[1]	Habitat[2]							
				Study Area							Project Site
				PL	SH	WC	PO	DA	VA	MW	VA
Freshwater Fish											
Clarias gariepinus	North African Catfish	尖齒鬍鯰	-				+				
Oreochromis niloticus	Nile Tilapia	尼羅口孵非鯽	-				+++				
Boleophthalmus pectinirostris	Bluespotted Mudskipper	大彈塗魚	-				++++				
Channa maculata	Spotted Snakehead	斑鱧	-				+				
			TOTAL	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**

Notes:

1. Conservation and Protection Status:
   a. Fellowes – Fellowes *et al.* (2002): PGC = Potential Global Concern.
2. Habitats: PL = Plantation, S/G = Shrubland/Grassland, WC = Watercourse, PO = Pond, DA = Developed Area, VA = Village Area, MW = Managed Wetland

Application No. A/YL-NSW/30718/08/2023 16:34
From: "Leung, Issac Wai Kit" <issac.leung@pel-teams.com.hk>
To: "tpbpd@pland.gov.hk" <tpbpd@pland.gov.hk>
[redacted]

1 Attachment

NRYL2021-0097-01_Signed.pdf

Dear TPB,

Please find the attachment for the submit to TD.
Thanks.

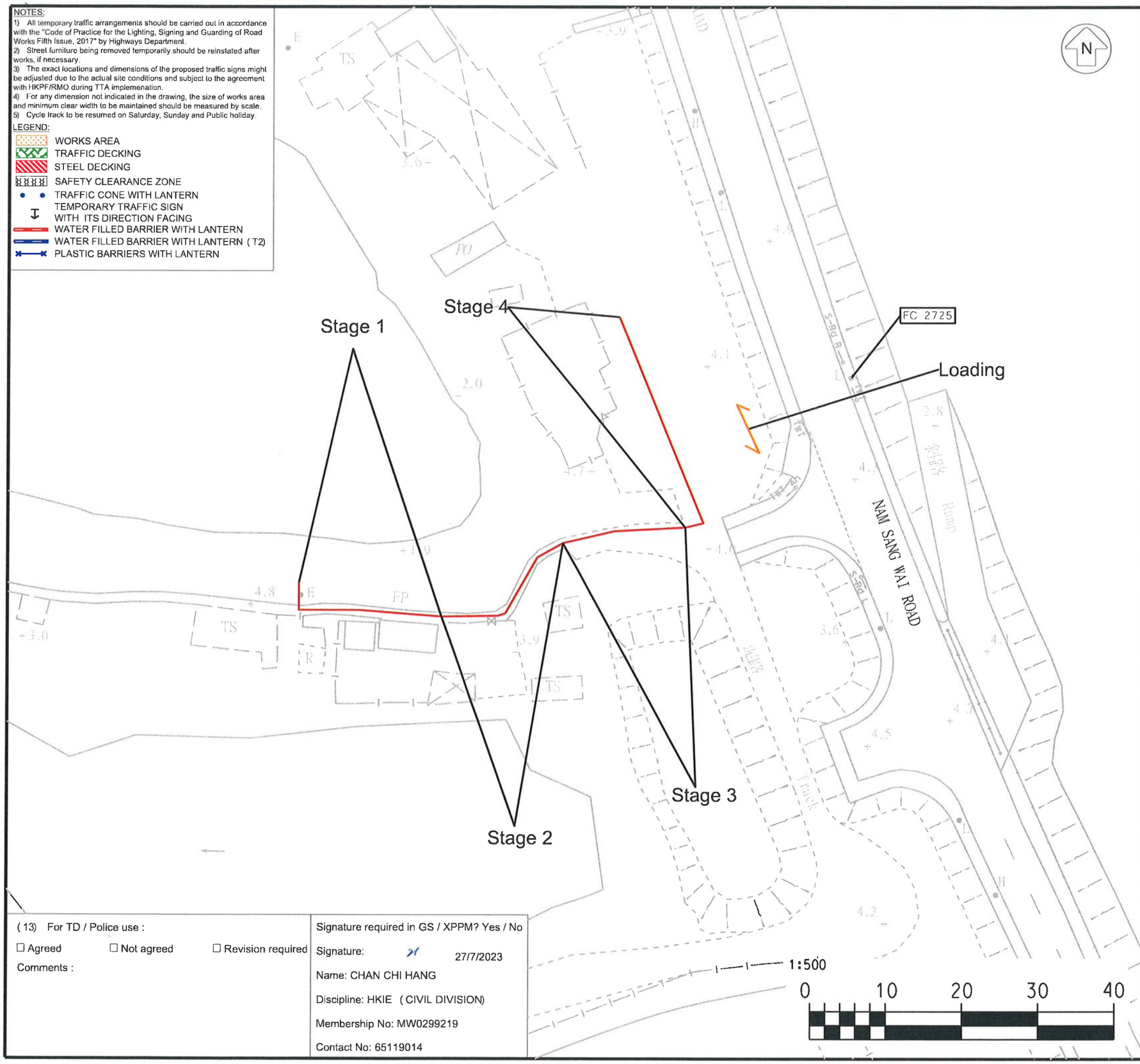
Best Regards,
Issac Leung
TEL:[redacted]
Pacific Extend Limited

NOTES:

1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :

(2) Project Office : CLP 中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-Keyplan

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☐Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☐Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☐Nil ☐NLT ☐NRT
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☐Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☐Nil ☐ 80 ☐ 70 ☐ 50
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☐ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ months / weeks / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

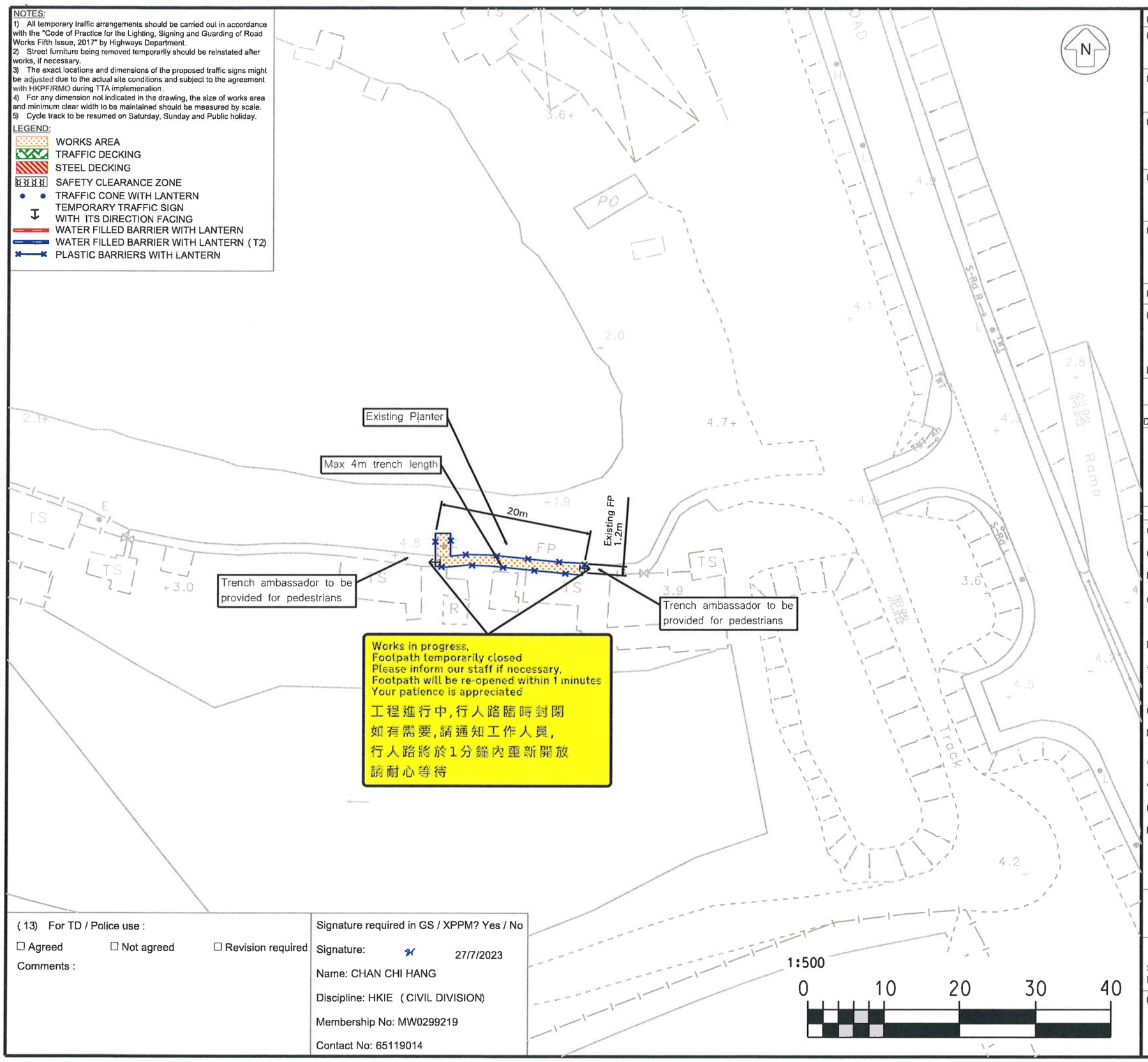
Signature required in GS / XPPM? Yes / No
Signature: 27/7/2023
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

NOTES:

1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :

(2) Project Office : CLP 中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-001

Stage 1

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑Nil ☐NLT ☐NRT
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑Nil ☐ 80 ☐ 70 ☐ 50
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

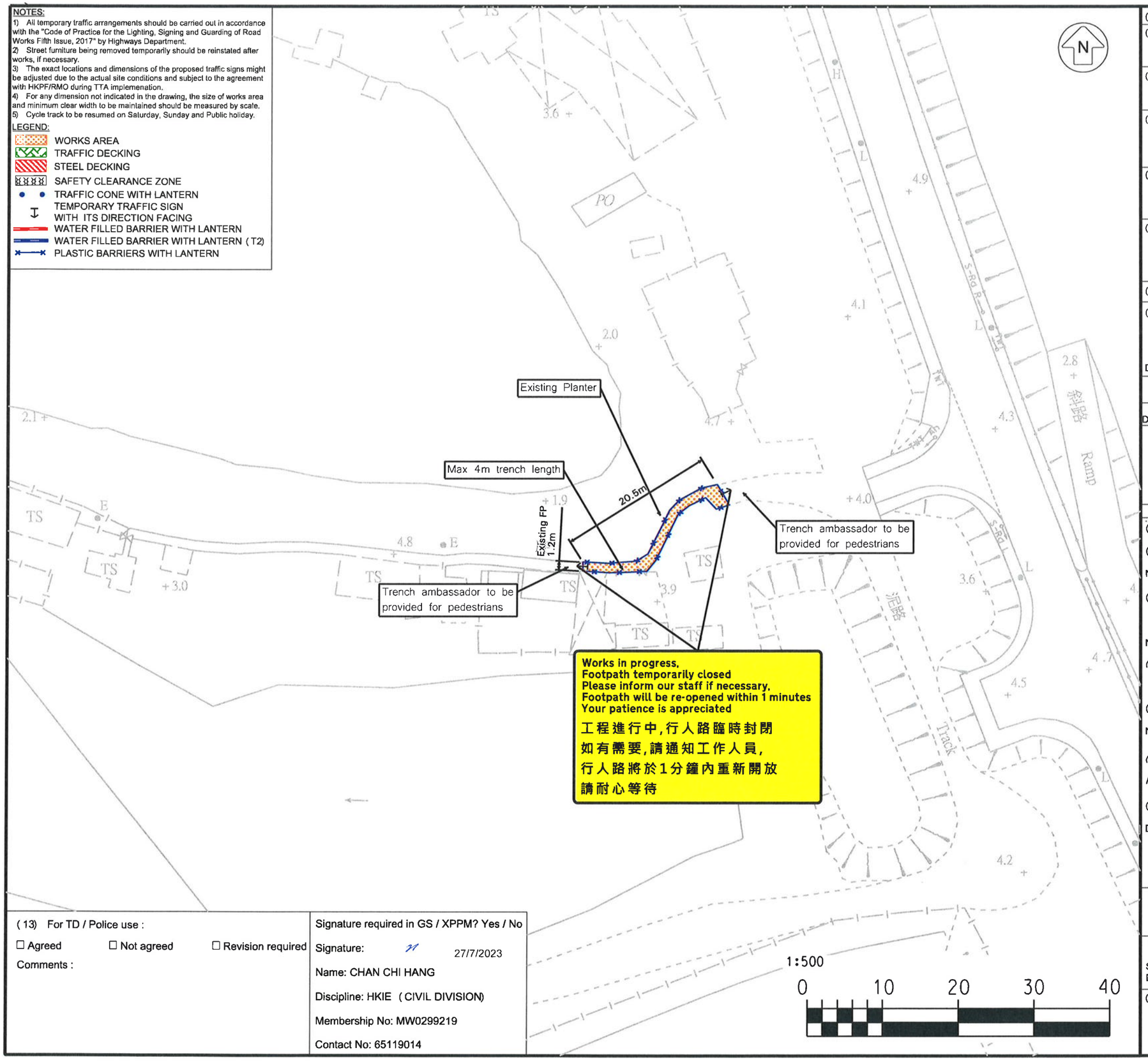
Signature required in GS / XPPM? Yes / No
Signature: 27/7/2023
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

NOTES:

1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :	
(2) Project Office :	CLP 中電
(3) Contract No :	Outline Agreement No: 4600008486 Distribution Cable Trenching and Laying Works in North Region (Yuen Long/Tuen Mun)
(4) Engineer :	CLP 中電
(5) Contractor	盛貿 Pacific Extend
(6) Traffic Consultant :	Nolan Consultants Ltd. 路蘭顧問有限公司
(7) TMLG meeting date :	
(8) Drawing No :	NRYL2021-0097-01-002

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Stage 2

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐7-19 ☐7-24 ☐24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑*Nil* ☐*NLT* ☐*NRT*
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑*Nil* ☐*80* ☐*70* ☐*50*
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑10-16 ☐22-06 ☐Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐Queue Length
☐Swept Path ☐Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

Signature required in GS / XPPM? Yes / No
Signature: 27/7/2023
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

NOTES:

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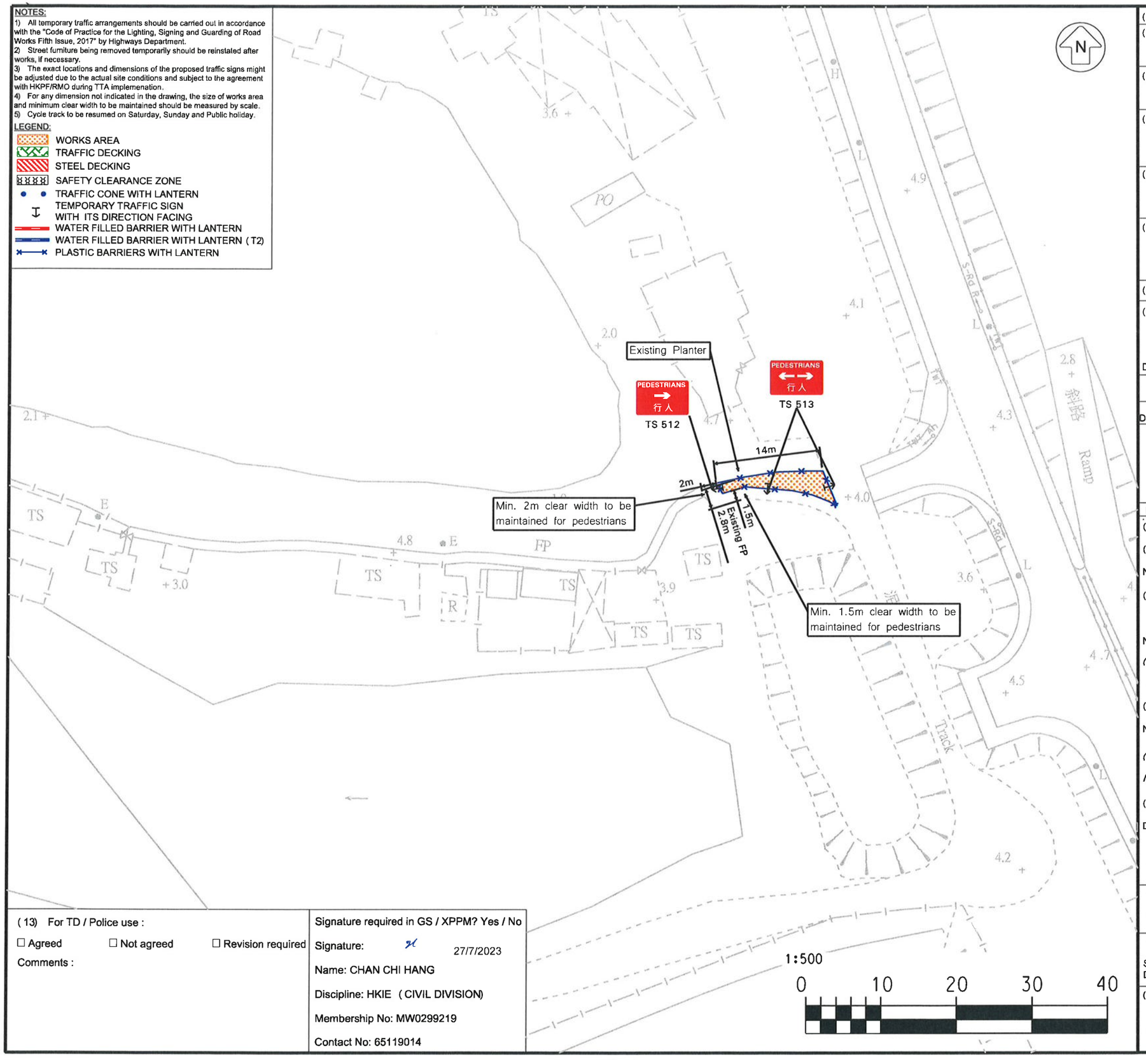
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :	
(2) Project Office :	CLP 中電
(3) Contract No :	Outline Agreement No: 4600008486 Distribution Cable Trenching and Laying Works in North Region (Yuen Long/Tuen Mun)
(4) Engineer :	CLP 中電
(5) Contractor	盛貿 Pacific Extend
(6) Traffic Consultant :	Nolan Consultants Ltd. 路蘭顧問有限公司
(7) TMLG meeting date :	
(8) Drawing No :	NRYL2021-0097-01-003

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Stage 3

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐7-19 ☐7-24 ☐24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑*Nil* ☐*NLT* ☐*NRT*
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑*Nil* ☐*80* ☐*70* ☐*50*
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑10-16 ☐22-06 ☐Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____

☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐Queue Length
☐Swept Path ☐Others : Report ref :

(11) Anticipated Programme :

Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :

☐ Agreed ☐ Not agreed ☐ Revision required

Comments :

Signature required in GS / XPPM? Yes / No

Signature: 27/7/2023

Name: CHAN CHI HANG

Discipline: HKIE (CIVIL DIVISION)

Membership No: MW0299219

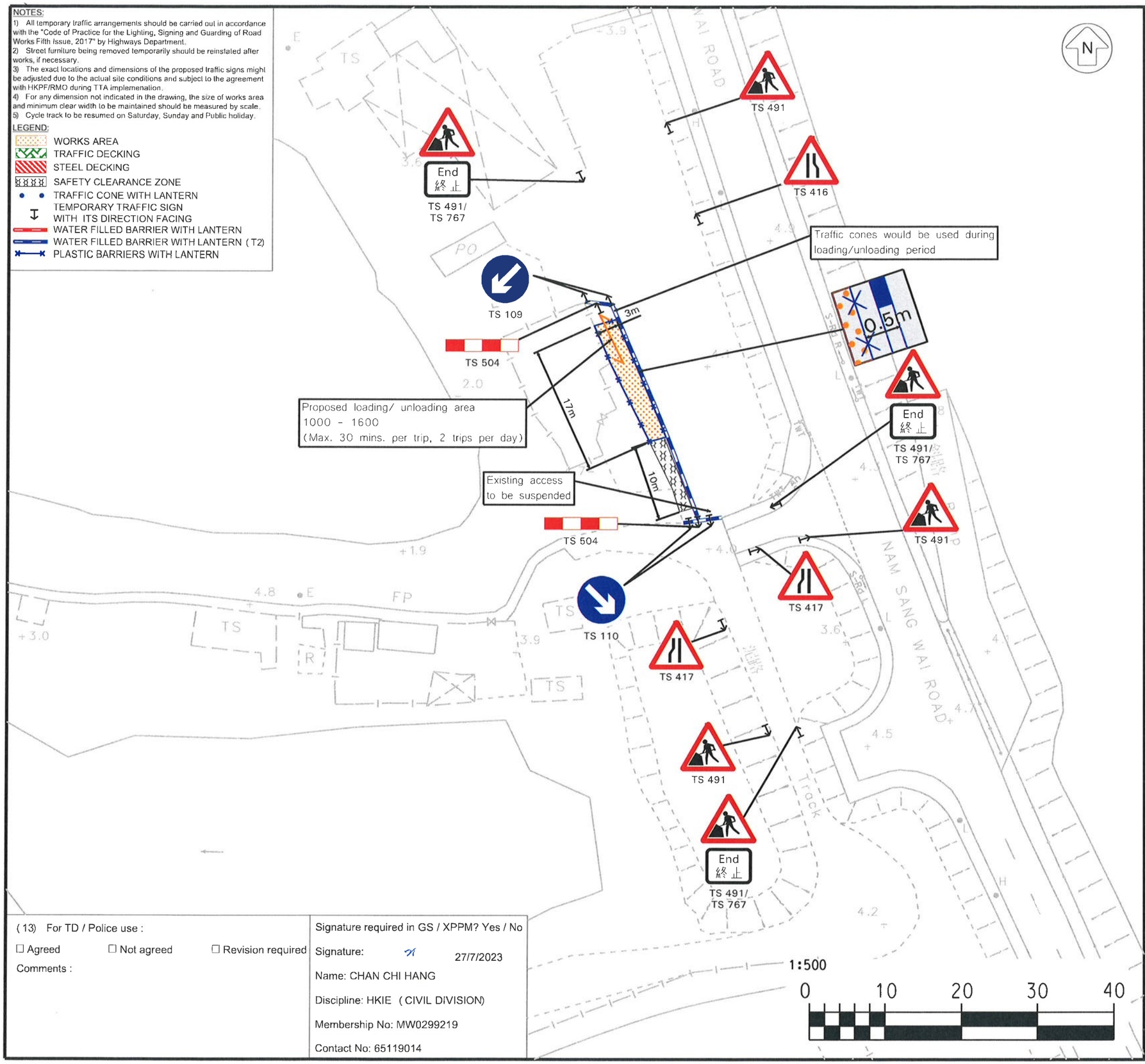
Contact No: 65119014

NOTES:

1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(13) For TD / Police use : ☐ Agreed ☐ Not agreed ☐ Revision required Comments :	Signature required in GS / XPPM? Yes / No Signature: 27/7/2023 Name: CHAN CHI HANG Discipline: HKIE (CIVIL DIVISION) Membership No: MW0299219 Contact No: 65119014

(1) XPMS Plan ID :

(2) Project Office : CLP 中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-004

Stage 4

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐7-19 ☐7-24 ☐24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑Nil ☐NLT ☐NRT
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑Nil ☐80 ☐70 ☐50
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑10-16 ☐22-06 ☐Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____

☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐Queue Length
☐Swept Path ☐Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

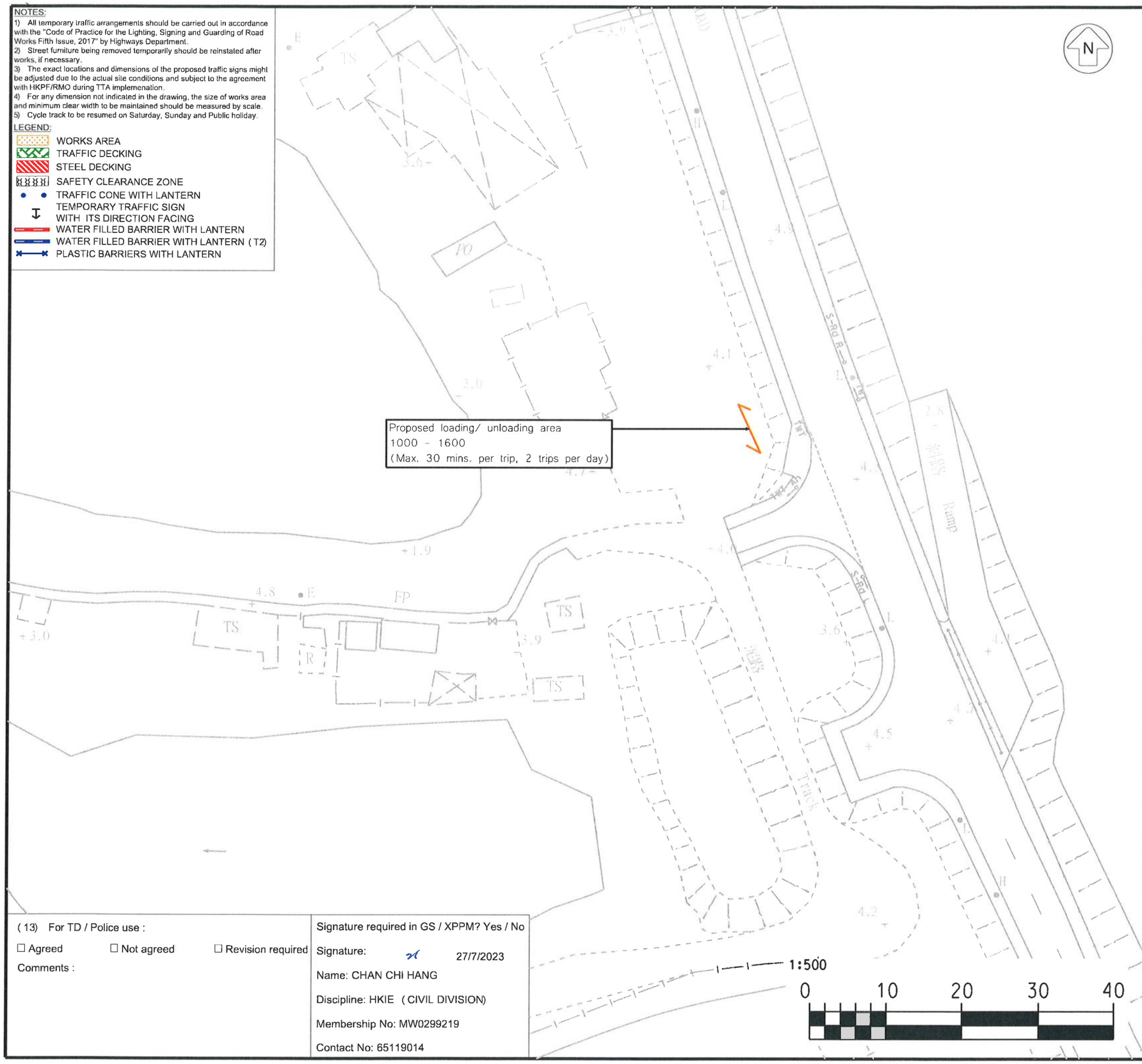
(12) Remarks :
☐For Extension / re-endorsement, reason : _____
☐Last meeting / approval date : _____
☐Others : _____

NOTES:

1) All temporary traffic arrangements should be carried out in accordance with the "Code of Practice for the Lighting, Signing and Guarding of Road Works Fifth Issue, 2017" by Highways Department.
2) Street furniture being removed temporarily should be reinstated after works, if necessary.
3) The exact locations and dimensions of the proposed traffic signs might be adjusted due to the actual site conditions and subject to the agreement with HKPF/RMO during TTA implemenation.
4) For any dimension not indicated in the drawing, the size of works area and minimum clear width to be maintained should be measured by scale.
5) Cycle track to be resumed on Saturday, Sunday and Public holiday.

LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :

(2) Project Office : CLP 中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-005

Loading

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑*Nil* ☐*NLT* ☐*NRT*
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑*Nil* ☐ *80* ☐ *70* ☐ *50*
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

(12) Remarks :
☐For Extension / re-endorsement, reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

Signature required in GS / XPPM? Yes / No
Signature: 27/7/2023
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

NOTES:

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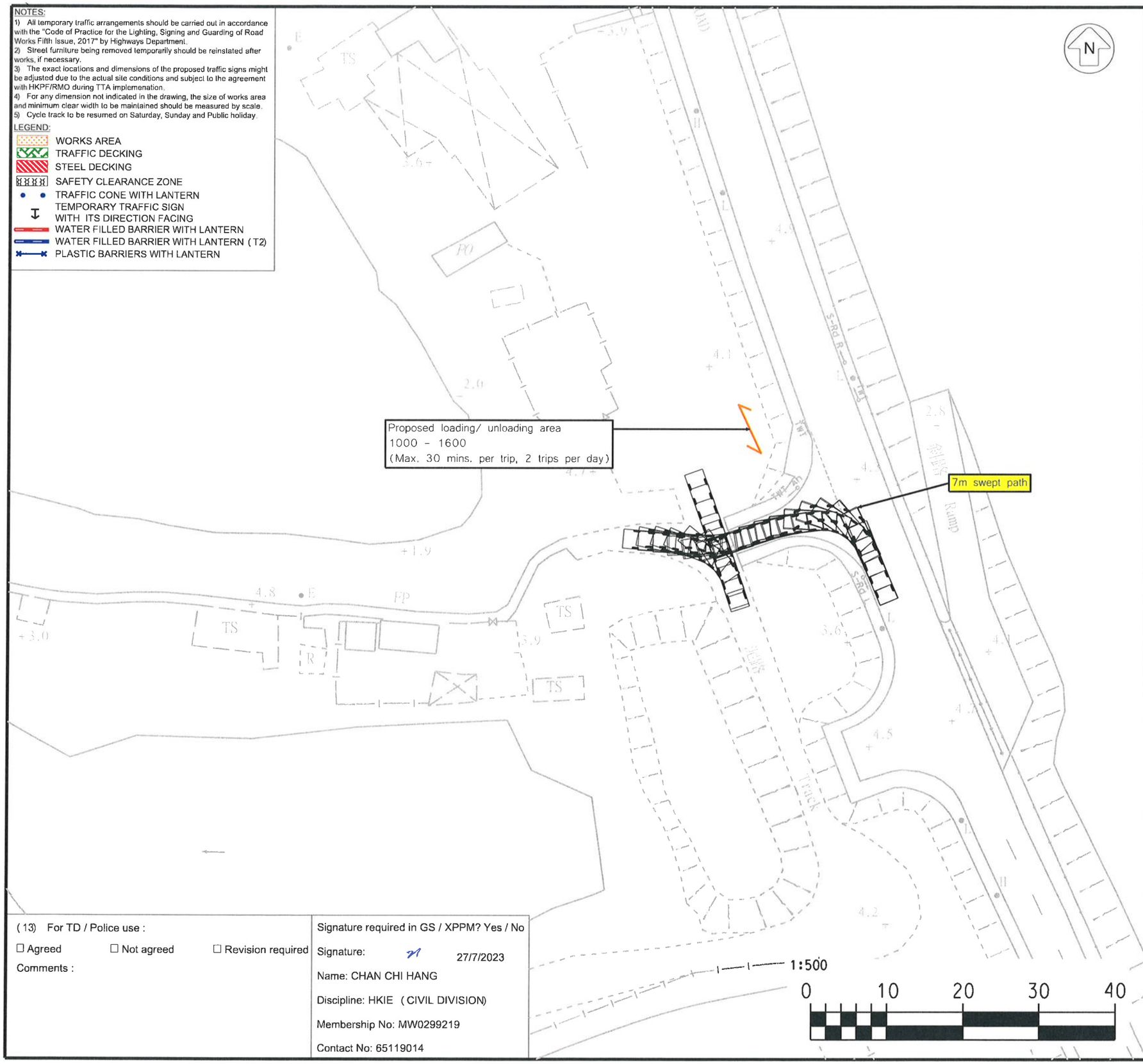
LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(13) For TD / Police use :

☐ Agreed ☐ Not agreed ☐ Revision required

Comments :

Signature required in GS / XPPM? Yes / No

Signature: 27/7/2023

Name: CHAN CHI HANG

Discipline: HKIE (CIVIL DIVISION)

Membership No: MW0299219

Contact No: 65119014

(1) XPMS Plan ID :

(2) Project Office : CLP 中中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中中電

(5) Contractor : Pacific Extend 盛貿

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-005-SP

Loading

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑*Nil* ☐*NLT* ☐*NRT*
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑*Nil* ☐ *80* ☐ *70* ☐ *50*
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____

☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :

Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

NOTES:

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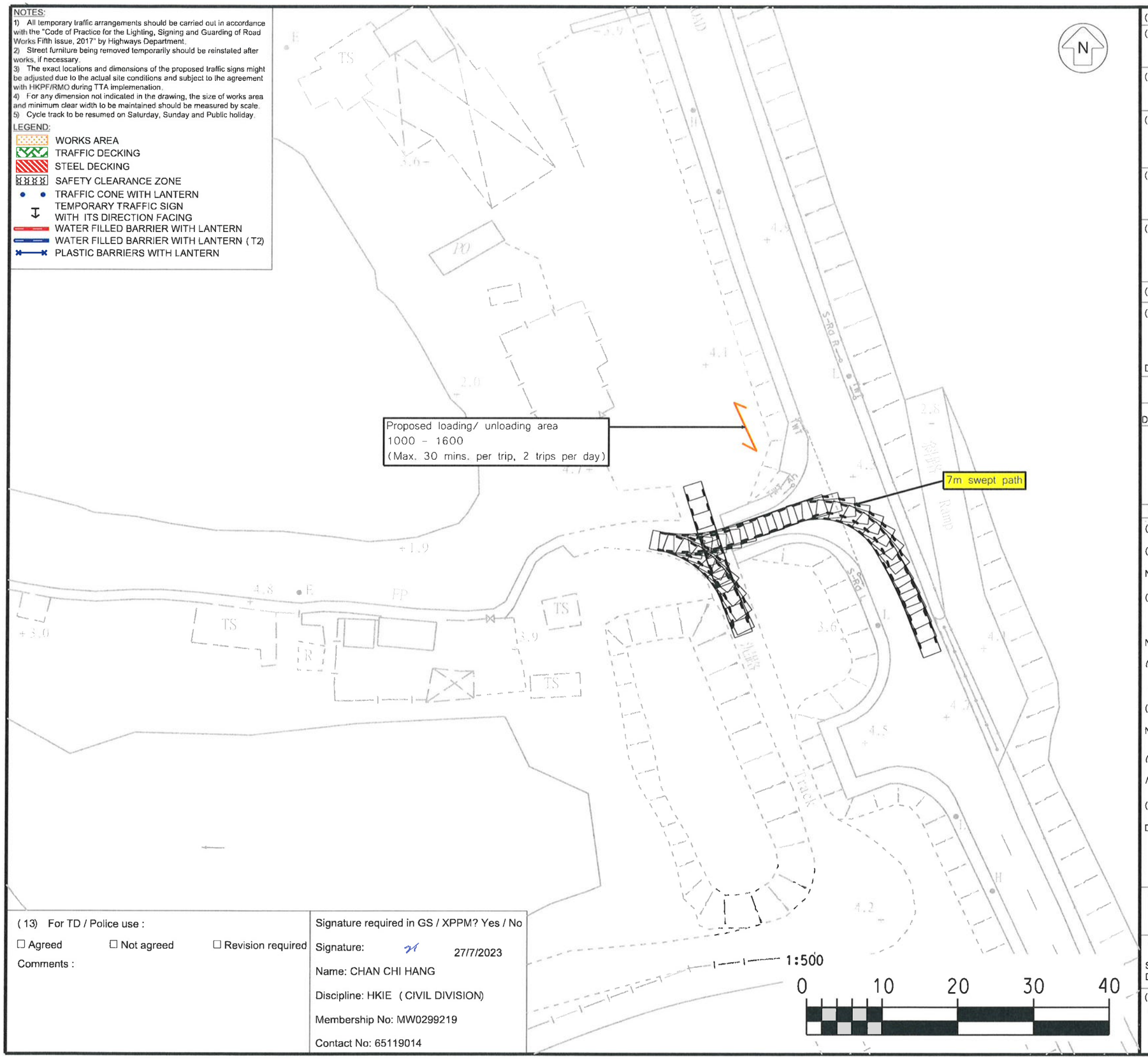
LEGEND:

- WORKS AREA
- TRAFFIC DECKING
- STEEL DECKING
- SAFETY CLEARANCE ZONE
- TRAFFIC CONE WITH LANTERN
- TEMPORARY TRAFFIC SIGN WITH ITS DIRECTION FACING
- WATER FILLED BARRIER WITH LANTERN
- WATER FILLED BARRIER WITH LANTERN (T2)
- PLASTIC BARRIERS WITH LANTERN



(1) XPMS Plan ID :

(2) Project Office : CLP 中電

(3) Contract No : Outline Agreement No: 4600008486
Distribution Cable Trenching and Laying Works in North Region
(Yuen Long/Tuen Mun)

(4) Engineer : CLP 中電

(5) Contractor : 盛貿 Pacific Extend

(6) Traffic Consultant : Nolan Consultants Ltd. 路蘭顧問有限公司

(7) TMLG meeting date :

(8) Drawing No : NRYL2021-0097-01-005-SP1

Loading

Temporary Traffic Arrangement
for Distribution Cable Trenching & Laying Works
near Nam Sang Wai Road

Date : 27/7/2023 Scale : 1:500 (A3) Case : Items :

Designed	Drawn	Checked	Approved
Date :	Date :	Date :	Date :

Rev	Amendment	Date

(9) TTA Particulars :

(A) Temp. NSR :
☑Nil ☐8-10/17-19 ☐ 7-19 ☐ 7-24 ☐ 24
Net duration : _____ months / weeks / days

(B) Temp. P/S Closure :
☑Nil ☐Metered ☐ Non-metered
☐P/S meter nos.
☐Total #: Metered: /Non-metered:
Net duration : _____ months / weeks / days

(C) Temp. NLT/NRT :
☑Nil ☐NLT ☐NRT
Net duration : _____ months / weeks / days

(D) Temp. Veh. Length prohibition :
☑Nil ☐>10 ☐>8m ☐>7m ☐>5m
Net duration : _____ months / weeks / days

(E) Temp. Speed Limit (km/h) :
☑Nil ☐ 80 ☐ 70 ☐ 50
Net duration : _____ months / weeks / days

(F) Implementation hours / days of week :
☐Nil ☐24hrs ☑ 10-16 ☐ 22-06 ☐ Others :
Days of week : months / weeks / days

(G) Others / Remarks : _____
☐Loading / unloading would be carried out within parking meter.
(Parking fee will be paid.)

(10) Traffic Assessments :
☐TIA ☐Junction Capacity ☐ Queue Length
☐Swept Path ☐ Others : Report ref :

(11) Anticipated Programme :
Start : _____ End : _____
Duration of works : _____ ~~months / weeks~~ / days

(12) Remarks :
☐For Extension / re-endorsement. reason : _____
☐Last meeting / approval date : _____
☐Others : _____

(13) For TD / Police use :
☐ Agreed ☐ Not agreed ☐ Revision required
Comments :

Signature required in GS / XPPM? Yes / No
Signature: 27/7/2023
Name: CHAN CHI HANG
Discipline: HKIE (CIVIL DIVISION)
Membership No: MW0299219
Contact No: 65119014

Planning Application Number A/YL-NSW/30704/10/2023 10:55
From: "Leung, Issac Wai Kit" <issac.leung@pel-teams.com.hk>
To: "tpbpd@pland.gov.hk" <tpbpd@pland.gov.hk>
[redacted]

2 Attachments

Reply comment of TD.pdf Reply comment of FSYLE DPO.pdf

Dear Sir/madam,

For the relevant application number: A/YL-NSW/307,in response to the comments about TD & FSYLE DPO. Please see the attachment.

Best Regards,
Issac Leung
TEL:[redacted]
Pacific Extend Limited

Reply comment of TD

a) My previous comment regarding a section of local access road which is not managed by Transport Department remains valid. Please clarify with relevant lands and maintenance authorities accordingly;
A) Noted and comment from relevant lands and maintenance authorities will be sought.

b) Comment from DSD should be sought prior to commencement of the works as Nam Sang Wai Road is their maintenance access of Kam Tin River;

B) Noted and comment from DSD will be sought.

c) RtC i. It is noted that construction vehicle< 9 tons will be deployed. Please supplement the dimension / specification of construction vehicle and demonstrate the manoeuverability;

C) Noted. Only 2.2m x 7m vehicles will be deployed for the captioned works. A swept path adopting 2.2m x 7m vehicle has been included in the FI

d) RtC ii. Details of trip generation and the induced traffic impact is not shown in the TTA, please supplement. Please confirm if there is any temporary road closure required;

D) Noted. Only 2 trips per day will be generated for loading and unloading during the non-peak hours, i.e. 1000-1600. The induced traffic impact will be negligible.

e) RtC iii. The proposed loading and unloading is located on land where is out of TD's purview. Comments should be sought from the maintenance authorities/ land owners;

E) Noted. The loading/unloading bay is relocated as shown in the FI and consent from relevant lands and maintenance authorities will be sought.

f) RtC iv: Swept path of construction vehicle should be provided in addition to the TTA;

F) Noted and swept path is included in the FI.

g) The excavation is proposed on land where is out of TD&HyD's purview. Comments on the TTA should be sought from the maintenance authorities/ land owners, locals and stakeholders; and

G) Noted and comments on the TTA will be sought from all stakeholders.

h) Sufficient manoeuvring spaces shall be provided within the subject site. No vehicle is allowed to queue back to or reverse onto/from the subject site at any time during the planning approval period.

H) Noted and as revealed by the swept path, sufficient manoeuvring spaces is allowed within the subject site. We confirmed that no vehicle will be allowed to queue back to or reverse onto/from the subject site at any time during the planning approval period.

Comments from FSYLE DPO, PlanD:

Q) Please confirm whether construction work will be completed in October 2023.

A) We confirmed the construction work will be completed in October 2023.

Relevant Extract of Town Planning Board Guidelines for Application for Development 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 Conservation Area (WCA). Extracts of land use concept and development guidelines are summarised as follows:

(a) the planning intention of the WCA is to conserve the ecological value of the fish ponds which form an integral part of the wetland ecosystem in the Deep Bay Area. It comprises the existing and contiguous, active or abandoned fishponds in the Deep Bay Area, which should all be conserved;

(b) new development within the WCA would not be allowed unless it is required to support the conservation of the ecological value of the area or the development is an essential infrastructural project with overriding public interest;

(c) any development within WCA which requires planning permission from the Board should be supported by an ecological impact assessment (EcoIA) to demonstrate that the development would not result in a net loss in wetland function and negative disturbance impact. Moreover, wetland compensation is required for development involving pond filling and mitigation measures against disturbance would be necessary;

(d) subject to submission of EcoIA, the type of activities which may be considered within the WCA must be related to conservation, environmental education or essential infrastructure projects needed for public purposes; and

(e) essential infrastructure projects needed for public purpose, such as rail, emergency vehicular access and footpath, road, drainage and flood protection project and public utility project, for which no suitable alternative locations outside the WCA could be identified, would also be considered by the Board. However, any such proposed project should include a practical wetland compensation scheme for the consideration of the Board. It should not add to the pollution loading of the Deep Bay Area.

Similar s.16 Application within the same "CA" Zone
on the Approved Nam Sang Wai Outline Zoning Plan No. S/YL-NSW/8 in the Past Five Years

Approved Application

No.	Application No.	Use(s)/Development(s)	Date of Consideration (RNTPC/TPB)	Approval Condition
1.	A/YL-NSW/297	Public Utility Installation (LV Cable Laying) and Filling and Excavation of Land	10.6.2022 Approved by RNTPC	1

Approval Condition

1. no construction work (including excavation and filling of land and laying of underground cables at the Site is allowed during (i) 5:00 p.m. to 9:00 a.m. from Monday to Saturday; and (ii) Sunday and public holidays

Government Departments' General Comments

1. Land Administration

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

(a) He has no adverse comment on the application.

(b) The proposed works will affect the unleased and unallocated Government land in D.D. 123. Excavation permit in respect of the proposed works has been issued to CLP Power Hong Kong Limited.

2. Traffic

Comments of the Commissioner for Transport (C for T):

(a) She has no adverse comment from traffic engineering point of view.

(b) Advisory comments as detailed in **Appendix V**.

3. Environment

Comments of the Director of Environmental Protection (DEP):

(a) He has no objection to the application from environmental planning perspective.

(b) He notes that (i) the application seeks permission for the proposed public utility installation and associated excavation and filling of land on the application site (the Site) (about 27.6 m^2) where is located within an area zoned "Conservation Area" on the approved Nam Sang Wai OZP No. S/YL-NSW/8 and currently used as local track; (ii) the voltage level of the proposed electricity cable is only 380V; and the applicant has committed to carry out suitable pollution control measures to minimize the potential environmental impacts of the proposed construction works, and the works area will be reinstated after the works and there will not be any discharge during the operation phase.

(c) There was no substantiated environmental complaint concerning the Site received by the Environmental Protection Department in the past three years.

(d) Advisory comments as detailed in **Appendix V**.

4. Landscape

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

(a) She has no objection to the application from landscape planning perspective.

(b) Based on aerial photo of 2022, the Site is situated in an area of rural coastal plains landscape character comprising rivers, ponds, vacant land, temporary structures and scattered tree groups. According to the site photos taken in February 2023, the Site is hard-paved footpath with no existing tree within the site boundary. Based on the application form, the applicant stated that no tree felling is involved. Given the nature and scale of the works, significant adverse impact on landscape character and resources arising from the proposed works is not anticipated.

5. Others

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

- Chief Building Surveyor/New Territories West, Buildings Department (CBS/NTW, BD);
- Chief Highway Engineer/New Territories West, Highways Department (CHE/NTW, HyD);
- Chief Engineer/Railway Development 2-2, Railway Development Office, HyD (CE/RD 2-2, RDO, HyD);
- Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD);
- Chief Engineer/Construction, Water Supplies Department (CE/C, WSD);
- Director of Fire Services (D of FS);
- Director of Electrical and Mechanical Services (DEMS);
- Project Manager (West), Civil Engineering and Development Department (PM(W), CEDD);
- Commissioner of Police (C of P); and
- District Officer (Yuen Long), Home Affairs Department (DO(YL), HAD).

Recommended Advisory Clauses

(a) to note the comments of the Commissioner for Transport (C for T), Transport Department that:

- the application site is connected to Nam Sang Wai Road via a section of a local access road which is not managed by Transport Department. The land status of the local access road should be clarified with the Lands Department by the applicant. Moreover, the management and maintenance responsibilities of the local access road should be clarified with the relevant lands and maintenance authorities accordingly;

- the applicant should seek the relevant land owner(s) on the right of using the vehicular access; and

- no vehicle is allowed to queue back to or reverse onto/from the application site at any time during the planning approval period.

(b) to note the comments of the Chief Highway Engineer/New Territories West, Highways Department (CHE/NTW, HyD) that:

- the proposed access arrangement of the application site should be commented by Transport Department;

- the access road connecting the application site with Nam Sang Wai Road is not and will not be maintained by HyD. HyD should not be responsible for maintaining any access connecting the application site with Nam Sang Wai Road; and

- adequate drainage measures should be provided to prevent surface water running from the application site to nearby public roads and drains.

(c) to note the comments of Director of Environmental Protection (DEP) that the applicant should observe and implement the relevant mitigation measures in the Recommended Pollution Control Clauses for Construction Contracts as promulgated by this Department to minimise the potential environmental nuisance arising from the proposed works.

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

A/YL-NSW/307 DD 123 Nam San Wai CLP Conservation
28/03/2023 02:37

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

Dear TPB Members,

301 withdrawn. Objections relevant and upheld.

Mary Mulvihill

From: [redacted]
To: tpbpd <tpbpd@pland.gov.hk>
Date: Sunday, 24 July 2022 3:48 AM CST
Subject: A/YL-NSW/301 DD 123 Nam San Wai CLP Conservation

A/YL-NSW/301 CLP

Government Land in D.D. 123, Nam Sang Wai

Site area : About 27.6sq.m

Zoning : "Conservation Area"

Applied development : Public Utility Installation and Associated Excavation and Filling of Land

Dear TPB Members,

CLP applications, particularly when they involve the excavation of government land, should declare what is the end use of the installation.

Strong objections in this instance as it is an area of wetlands where the ponds have been excavated indicating that the end use will be detrimental to the preservation of the wetlands and the planning intention of the conservation area.

This week we are experiencing record high temperatures, further erosion of coastal defenses and important ecological habitat cannot be tolerated.

Mary Mulvihill