申請的日期。

26 APR 2024 This document is received on. The Town Planning Board will formally acknowledge the date of receipt of the application only upon receipt of all the required information and documents.



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

《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:

- Construction of "New Territories Exempted House(s)"; 興建「新界豁免管制屋宇」;
- Temporary use/development of land and/or building not exceeding 3 years in rural areas or Regulated Areas; and 位於鄉郊地區或受規管地區土地上及/或建築物內進行為期不超過三年的臨時 用途/發展;及
- (iii) Renewal of permission for temporary use or development in rural areas or Regulated Areas 位於鄉郊地區或受規管地區的臨時用途或發展的許可續期

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

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

General Note and Annotation for the Form

- "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

For Official Use Only	Application No. 申請編號	A /TM-LTYY /472
請勿填寫此欄	Date Received 收到日期	2 6 APR 2024

- 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.tpb.gov.hk/. It can also be obtained from the Secretariat of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong (Tel: 2231 4810 or 2231 4835), and the Planning Enquiry Counters of the Planning Department (Hotline: 2231 5000) (17/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong and 14/F, Sha Tin Government Offices, 1 Sheung Wo Che Road, Sha Tin, New Territories). 請先細閱《申請須知》的資料單張,然後填寫此表格。該份文件可從委員會的網頁下載(網址: http://www.tpb.gov.hk/),亦可向委員會秘書處(香港北角渣華道 333 號北角政府合署 15 樓 — 電話:2231 4810 或2231 4835)及規劃署的規劃資料主動處(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。

1.	Name of Applicant	申請人姓名/名稱
	2.8	M1 / 4/22 12 11

(□Mr. 先生 /□Mrs. 夫人 /□Miss 小姐 /□Ms. 女士 /□Company 公司 / ☑ Organisation 機構) Highways Department, Major Works Project Management Office, Major Works Office (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) N.A.

3. Application Site 申請地點

address Full / 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 Northeast of Permitted Burial Ground No. BURGD21

Site area and/or gross floor area involved 涉及的地盤面積及/或總樓面面

☑Site area 地盤面積 23,000 sq.m 平方米☑About 約

□Gross floor area 總樓面面積 sq.m 平方米□About 約

Area of Government land included (c) (if any) 所包括的政府土地面積(倘有)

_______________________sq.m 平方米 **②**About 約

(d)	Name and number of the related statutory plan(s) 有關法定圖則的名稱及編號	Approved Lam Tei and Yick Yuen Outline Zoning Plan No. S/TM-LTYY/12 & Draft Tuen Mun Outline Zoning Plan No. S/TM/38				
(e)	Land use zone(s) involved 涉及的土地用途地帶	Green Belt				
	•	N.A.				
(f)	Current use(s) 現時用途 、	(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 A	pplication Site 申請地點的「現行土地擁有人」				
The	applicant 申請人 –					
		lease proceed to Part 6 and attach documentary proof of ownership). 青繼續填寫第 6 部分,並夾附業權證明文件)。				
	is one of the "current land owners"# & 是其中一名「現行土地擁有人」#&	(please attach documentary proof of ownership). (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」#。					
V	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並					
(a)	involves a total of "	nd Registry as at				
(b)	The applicant 申請人 -					
	has obtained consent(s) of					
	已取得 名「	現行土地擁有人」"的问意。				
		land owner(s)"" obtained 取得「現行土地擁有人」"同意的詳情				
	Land Owner(s) Registry wl	Date of consent obtained (DD/MM/YYYY) presented has/have been obtained 注冊處記錄已獲得同意的地段號碼/處所地址 即得同意的日期 (日/月/年)				
I	/					

	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 (DD/MM/YYYYY) 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(x" 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組
	sent notice to relevant owners' corporation(s)/owners' committee(s)/mutual aid committee(s)/manage 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/互助委員會或處,或有關的鄉事委員會&
	Others 其他
	□ others (please specify) 其他(詩指明)
	/
	<u> </u>
4	7

		•				
6.	Type(s)	of Application	申請類	質別		
	Type (i) 第(i)類	Change of use v 更改現有建築物		ng building or part thereof 内的用途		
	Type (ii)	Plan(s)		ation of land / filling of land / filling of po	-	nder Notes of Statutory
_	第(ii)類			新要求的河道改道/挖土/填土/填 ^址	唐工程	
	Type (iii) 第(iii)類			Jtility installation for private project 展計劃的公用設施裝置		
	Type (iv) 第(iv)類			evelopment restriction(s) as provided u 睪》内列明的發展限制	nder Notes of Sta	tutory Plan(s)
Ø	Type (v) 第(v)類	Use / developm 上述的(i)至(iii)		an (i) to (iii) above 引途/發展		
註 1 Note	: 可在多於 2: For Develop	i more than one「↓ 一個方格內加上「 ment involving colur 及靈灰安置所用途	√」號 mbarium use, pl	ease complete the table in the Appendix. 附件的表格。		
i)	For Ty	ve (i) applicati	on 供 第 (i	》。		
`` i	Total flo involved 涉及的總樓				sq.m 平方米	
] ` ່ ເ	Proposed use(s)/develo 擬議用途/發		the use and	any Government, institution or community f gross floor area) 改府、機構或社區設施,請在圖則上寫示		
	Number of s 涉及層數	toreys involved		Number of units invo 涉及單位數目	olved	
		·	Domestic 1	part 住用部分	sq.m 平方米	□About 約
	Proposed flo 擬議樓面面		Non-dome	stic part 非住用部分	sq.m 平方米	□About 約
		,	Total 總計		sq.m 平方米	□About 約
(a) I	Proposed us	es of different	Floor(s) 樓層	Current use(s) 現時用途	Proposed	use(s) 擬議用途
	rroposed us floors (if app					

(Please use separate sheets if the space provided is insufficient) (如乎提供的空間不足,請另頁說

(ii) For Type (ii) applic	ation: 供第(ii) 類申讀
	□ Diversion of stream 河道改道
	□ Filling of pond 填塘 Area of filling 填塘面積
(a) Operation involved 涉及工程	□ 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 挖土面積 m 米□About 約 (Please indicate on site filan 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)
(b) Intended use/development 有意進行的用途/發展	(請用圖則BA不有關土地/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))
(III) <u>Por Trace(III) amb</u>	alon (HÉ LAU). TÜLL
(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 Number of provision 裝置名稱/種類 □ Dimension of each installation / handing/structure (m) (LxWxH) 每個裝置/建築物/構築物的尺寸 (米) (長 x 闊 x 高) □ (Please illustrate on plan the layout of the installation 請用圖則顯示裝置的布局)

(B) L	tor Ivredia) conflection s	E TO VOLE		
(a)	Please specify the proposed	minor relaxation of stated	development restriction(s) and also f	ill in the
_	proposed use/development a			
j 	萌外 州 擬誐哈 <i>局</i> 双見时發茂	限制 <u>业集安於第(V)部分比</u>	1摄護用途/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	% 6 至%	•
	Building height restriction 建築物高度限制	From 由	n 米 to 至m 米	
		From E	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)			·
	·			••••
(N) <u>U</u>	loz Tkyne (b) amlicator: f#	ž (o). EI.l		7.66
	Prop	osed Permitted Burial Ground		
(a) Pro	nored			
use	(s)/development			
擬詞	義用途/發展			
	(Please	illustrate the details of the propo	sal on a layout plan 請用平面圖說明建議詳情)	
(b) Dev		·		
				1
	posed gross floor area (GFA)	Ea我然(安山)山(月		bout 約 bout 約
	Proposed site coverage 擬議上蓋面積			bout 約
	Proposed no. of blocks 擬議座數			0000 /// 3
	posed no. of storeys of each bloc	k 每座建築物的擬議層數	storeys 層	
			□ include 包括storeys of basements 原	層地 庫
			□ exclude 不包括storeys of basement	ts 層地庫
Pro	posed building height of each bloom	ock 每座建築物的擬議高度	mPD 米(主水平基準上) 口Al	bout 約
				bout 約
		,		•

☐ Domestic par	 t 住用部分					
i	樓面面積		sq. m 平方米 口Abou y	Įsi –		
	of Units 單位數目		2.1000	2.7		
	unit size 單位平均面	话	sq. m 平方米 About	<u>4/-</u> 1		
	d number of resident			S)		
estimate	d number of resident	6 位計注各数日				
☐ Non-domesti	c part 非住用部分		GFA 念樓面面積			
eating p	lace 食肆		sq m 平方米 口About :	約		
□ hotel 酒	店 .		·sq. m 平方米 □About	約		
			(please specify the number of rooms 請註明房別數目)	,		
□ office 勃	松室		sq. m 平方米	約		
shop and	i services 商店及服剂	络行業	sq. m 平方米			
	1 47-2 44544		///////////////////////////////////////			
☐ Governn	nent, institution or co	mmunity facilities	(please specify the use(s) and concerned	land		
1	幾構或社區設施			area(s)/GFA(s) 請註明用途及有關的地面面積/總		

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

	/ .		·			
☐ Open space //	 大憩用地		(please specify land area(s) 請註明地面面積)			
private o	pen space 私人休憩	用地	sq. m 平方米 🛚 Not less than 不	少於		
public o	pen space 公眾休憩戶	月地	sq. m 平方米 🛚 Not less than 不	少於		
(c) Use(s) of differ	ent floors (if applicab	le) 各樓層的用途 (1	如適用)			
[Block number]	[Floor(s)]		[Proposed use(s)]			
[座數]	[層數]		[擬議用途]			
[/王奴]			[12/CB4X], [1 NF]			
•••••						
*******			······			

***************************************			***************************************			
			••••••			
(d) Proposed vas(s)	of uposyand and G	fany) 露天地方(倘	方 \ 的			
Proposed Permitte						
	Proposed Permitted Burgal Ground					
	***************************************	•••••	*****	•••		
••••••	••••••	•••••		, • •		
***************************************	***************************************		•••••••••••••••••••••••••••••••••••••••			
***************************************	***********************	*******************	***************************************			

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)					
N.A.					
		•••••••••••••••••••••••••••••••••••••••			
•••••					

8. Vehicular Access Arra 擬議發展計劃的行	_	t of the Development Proposal 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)) Access road from Fu Fuk 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負車位?	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	abla			

9. Impacts of De	evelopme	ent Proposal 擬議發展計	劃的影響			
justifications/reasons for	or not prov	sheets to indicate the proposed riding such measures. 量減少可能出現不良影響的措施	-	adverse impacts or give		
	Yes 是	☐ Please provide details 請抗	是供詳情			
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?		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
以到:	No否	lacksquare				
	Yes 是	i	indary of concerned land/pond(s), and p	articulars of stream diversion,		
	, –	the extent of filling of land/pond(s)		•		
Does the development		(請用地盤平而圖顯示有關土地/池塘界線,以及河道改道、填塘、填土及/或挖土的細節及/或範				
proposal involve the		犀)				
operation on the right?		│ │	改道			
IIght: 擬議發展是否涉及		 □ Filling of pond 填塘				
右列的工程?		• • • • • • • • • • • • • • • • • • •	· · sq.m 平方米	□Ahout %I		
(Note: where Type (ii)		_	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	□About 約		
application is the subject of application,			ζ			
please skip this		☐ Filling of land 填土	77-}- \/	□ A.1		
section.		_ ·	sq.m 平方米	·		
註: 如申請涉及第		-	₹ m 米	□About #9		
(ii)類申請,請跳至下 一條問題。)		☐ Excavation of land 挖土				
			面積 sq.m 平方米			
,		Depth of excavation 挖土	:深度m 米	∐About 約		
	No否					
		onment 對環境	Yes 會 □	No 不會 ☑		
	On traffic		Yes 會 □	No 不會 ☑		
		supply 對供水 age 對排水	Yes 會 □ Yes 會 □	No 不會 ☑ No 不會 ☑		
		s 對斜坡	Yes 會 🗌	No 不會 🗹		
	Affected	by slopes 受斜坡影響	Yes 會 □	No 不會 🔽		
		e Impact 構成景觀影響	Yes 曾 □	No 不會 🔽		
		ing 砍伐樹木	Yes 會 🗌	No 不會 ☑		
		npact 構成視覺影響 Please Specify) 其他 (請列明)	Yes 會 □ Yes 會 □	No 不會 ☑ No 不會 □		
Would the	Outers (1	rease specify) 英他 (調列功)	162 畳 🗌	№ 小曾 🗆		
development						
proposal cause any adverse impacts?						
擬議發展計劃會否	Please st	ate measure(s) to minimise the	impact(s). For tree felling, p	lease state the number,		
造成不良影響?	請註明盡	at breast height and species of the 量減少影響的措施。如涉及砍住		数目、及胸高度的樹幹		
		品種(倘可) efer to the appplication document f	For the details	•		
	riease is	erer to the apppheation document i	or the details.			
			• • • • • • • • • • • • • • • • • • • •	•••••		
	•••••	······				
	••••••		•••••			
				•••••		

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。

During public consultation of the Route 11 project, requests for optimising existing Permitted Burial Grounds (PBGs) for increased burial spaces have been raised by members of local rural community, including Hon LAU Ip-keung, Kenneth (ExCo and LegCo Member, Chairman of Heung Yee Kuk, TMDC member, and Chairman of TMRC) and Mr TSANG Chin-Hung (1st Vice-chairman of TMRC), at the Traffic and Transport Committee of the TMDC on 9 June 2023, and at a joint meeting on 13 June 2023 attended by TMRC members, Tuen Mun District Office, District Lands Office/ Tuen Mun, and Highways Department. In response to their request, the Government agreed to provide assistance to local stakeholders with the application for new PBGs at the joint meeting held on 13 June 2023. A potential site for proposed new PBG (i.e. "the application site") is identified. The application site is located next to the existing PBG Site No. BURGD21 and is approximately 2.3ha in area.

The application site is zoned "Green Belt" ("GB") in the Approved Lam Tei and Yick Yuen Outline OZP No. S/TM-LTYY/12 and the Draft Tuen Mun OZP No. S/TM/38. Referring to the Schedule of Notes, the use of burial ground is under Column 2 of "GB" zone, i.e. the use that may be permitted with or without conditions on application to the Town Planning Board. To this, it is required to apply for permission under Section 16 of the Town Planning Ordinance (Cap. 131).

Impact assessments on various aspects including traffic, environmental, geotechnical, drainage, sewerage, ecological, heritage impact, landscape impact and air ventilation have been carried out. It is concluded that there is minor or insignificant impact due to the proposed land use.

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 to the Board's website for browsing and downloading by the pul 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3	blic free-of-charge at the Board's discretion. 本人現准許委			
Signature 簽署	☑ Applicant 申請人 / □ Authorised Agent 獲授權代理人			
TSANG Chung Man, Alex	CE4/Major Works, HyD			
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 HKIP 香港規劃師學會 HKILA 香港園境師學會 RPP 註冊專業規劃師 Others 其他	/ □ HKIA 香港建築師學會 / / ☑ HKIE 香港工程師學會 /			
on behalf of 代表 Highways Department, HKSAR Government □ Company 公司 / ☑ Organisation Name and	Chop (if app 機構名稱及蓋章(如適用)			
Date 日期 19 104 12024	(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 如發展涉及靈灰安置所用途,請另外填妥以下資料:	following:
Ash interment capacity 骨灰安放容量@	
Maximum number of sets of ashes that may be interred in the niches 在龕位内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) 龜位數目 (已售並全部佔用) Number of niches (sold and partially occupied) 龜位數目 (已售並部分佔用) Number of niches (sold but unoccupied) 龜位數目 (已售但未佔用) Number of niches (residual for sale) 龜位數目 (待售)	
Proposed operating hours 擬議營運時間	
 (a) Ash interprent capacity in relation to a columbarium means – 就聚灰之置所而言,骨灰安放容量指: th 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. 	umbarium; and
在該蟹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 甲請摘要					
consultees, uploaded available at the Plant (請 <u>盡量</u> 以英文及中 下載及於規劃署規	I to the ning Enq 文填寫 벬資料望	Town Planning Boa puiry Counters of the 。此部分將會發送 到處供一般參閱。	ard's Website for b Planning Departm 予相關諮詢人士、)	rowsing and fre	art will be circulated to relevant be downloading by the public and information.) 副委員會網頁供公眾免費瀏覽及
Application No. 申請編號	(For Official Use Only) (請勿填寫此欄)				
Location/address 位置/地址	Government Land Northeast of Permitted Burial Ground No. BURGD21 在認可殯葬區編號BURGD21東北面的政府土地				
Site area 地盤面積				23,000	sq. m 平方米 🗹 About 約
		es Government land		•	sq. m 平方米 ☑ About 約)
Plan 圖則	Plan Approved Lam Tei and Yick Yuen Outline Zoning Plan No. S/TM-LTYY/12 藍地及亦園分區計劃大綱核准圖編號 S/TM-LTYY/12 & Draft Tuen Mun Outline Zoning Plan No. S/TM/38 屯門分區計劃大綱草圖編號 S/TM/38				1-LTYY/12 _.
Zoning United Street Belt 操化地帶					
Applied use/ development 申請用途/發展	Propose 擬議認	ed Permitted Burial G 可殯葬區 (受影響認	iround (reprovisionii 可殯葬區的重置地	ng site for affecte 點)	ed Permitted Burial Ground)
i) Gross floor are and/or plot rati			sq.m \(\frac{\sq}{2}\)	P方米	Plot Ratio 地積比率
總樓面面積及 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 小多於	□About 約 □Not more than 不多於
(ii) No. of blocks 幢數 ·		Domestic 住用			
		Non-domestic 非任用			
		Composite 綜合用途			

(iii)	Building height/No. of storeys	Domestic 住用	
	建築物高度/層數		· □ (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 □ Corport 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 單位數月		
(vi)	Open space 伊憩用地	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 /	Total no. of vehicle parking spaces 停車位總數	
	unloading spaces 停車位及上落客貨	Private Car Parking Spaces 私家車車位	
	車位數目	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 重型貨車沿車位	i
		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	
1		Heavy Goods Vehicle Spaces 重型貨車車位	
		Others (Please Specify) 其他 (請列明)	
			•
		L	

Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件			
	<u>Chinese</u> 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)		₫	
General Layout 總圖	•		
	•		
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		\square	
Traffic impact assessment (on pedestrians) 就行人的交通影響評估		Ø	
Visual impact assessment 視覺影響評估		\square	
Landscape impact assessment 景觀影響評估		Ø	
Tree Survey 樹木調査		₫	
Geotechnical impact assessment 土力影響評估		Ø	
Drainage impact assessment 排水影響評估		\boxtimes	
Sewerage impact assessment 排污影響評估		Ø	
Risk Assessment 風險評估			
Others (please specify) 其他(請註明)		\square	
Ecological Impact Assessment 生態影響評估、Heritage Impact Study 文物影響研究			
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。

Major Works Project Management Office Highways Department of HKSAR

Agreement No. CE 13/2021 (HY)
Route 11 (Section between Yuen Long and
North Lantau) – Investigation

Application for Permission under Section 16 of the Town Planning Ordinance (Cap. 131) for New Permitted Burial Ground at Lam Tei

REP-188-01

Issue 2 | 28 March 2024

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 284104

Ove Arup & Partners Hong Kong Ltd Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong Kowloon Hong Kong www.arup.com



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Ecological Impact Assessment

Heritage Impact Study

Nomenclature and Abbreviations

BURGD22	Permitted Burial Ground Site No. BURGD22		
ExCo	Executive Council		
LegCo	Legislative Council		
NWNT	Northwest New Territories		
OVT	Old and Valuable Trees		
OZP	Outline Zoning Plan		
PBG	Permitted Burial Ground		
R11	Route 11		
TMDC	Tuen Mun District Council		
TMRC	Tuen Mun Rural Committee		
TPI	Tree of Particular Interest		
TPO	Town Planning Ordinance		

REP-188-01 | Issue 2 | 28 March 2024

1 Background and Purpose of this Application

1.1 Background

- 1.1.1 The objective of the Route 11 (Section between Yuen Long and North Lantau) is to enhance the connectivity between the Northwest New Territories (NWNT) and North Lantau to meet the traffic demands generated by the future developments. Route 11 will be a strategic highway to support the proposed developments in the NWNT.
- 1.1.2 In the Feasibility Stage, the Preferred Alignment passed through the central portion of Permitted Burial Ground (PBG) Site No. BURGD22 (BURGD22). To minimize the impact, the portal location of the Lam Tei Tunnel and the alignments of the connecting roads were optimised to shift the Route 11 alignment to the western portion of the PBG.
- 1.1.3 Public consultation was conducted to solicit views of the road alignments. Taking account of the comments received in the public consultation, the current road alignment was supported by Tuen Mun District Council (TMDC), Yuen Long District Council, Tsuen Wan District Council, Islands District Council, the concerned rural committees and village representatives.
- 1.1.4 During public consultation of the Route 11 project, requests for optimising existing PBGs for increased burial spaces have been raised by members of local rural community, including Hon LAU Ip-keung, Kenneth (ExCo and LegCo Member, Chairman of Heung Yee Kuk, TMDC member, and Chairman of Tuen Mun Rural Committee (TMRC)) and Mr TSANG Chin-Hung (1st Vice-chairman of TMRC), at the Traffic and Transport Committee of the TMDC on 9 June 2023, and at a joint meeting on 13 June 2023 attended by TMRC members, Tuen Mun District Office, District Lands Office/ Tuen Mun, and Highways Department. In response to their request, the Government has agreed to provide assistance to local stakeholders with the application for new PBGs at the joint meeting held on 13 June 2023. Highways Department agreed to provide assistance to the local stakeholders to submit planning application.
- 1.1.5 The selection of site for proposed new PBG should take the followings into consideration:
 - The site should be in proximity to Nai Wai and Shun Fung Wai, who are the stakeholders for the proposed new PBG;
 - The site should not affect private lot;
 - The site should not interfere with potential / existing development; and
 - The site should be easily accessible, preferably near existing permitted burial ground.
- 1.1.6 Upon discussion with TMRC, TMRC proposed a site next to the existing PBG Site No. BURGD21 as a potential site for proposed new PBG. It is considered suitable as the criteria mentioned in Section 1.1.15 are fulfilled, hence adopted as the current application site (See **Figure 1** and **Drawing No. 284104/PBG/GA/1001**). The application site area is approximately 2.3ha.

1.2 Purpose of this Application

- 1.2.1 The application site is zoned "Green Belt" ("GB") in the Approved Lam Tei and Yick Yuen Outline Zoning Plan (OZP) No. S/TM-LTYY/12 and the Draft Tuen Mun OZP No. S/TM/38. Referring to the Schedule of Notes, the use of burial ground is under Column 2 of "GB" zone, i.e. the use that may be permitted with or without conditions on application to the Town Planning Board. To this, it is required to apply for permission under Section 16 of the Town Planning Ordinance (Cap. 131).
- 1.2.2 The current S16 Application of land use does not involve any construction works nor tree removal.

1.3 Description of Proposed Site

- 1.3.1 The application site of 2.3ha locates next to another Permitted Burial Ground No. BURGD21 as shown in **Figure 1**.
- 1.3.2 Based on the OZPs, the application site is zoned as "Green Belt" as shown in **Drawing No. 284104/PBG/OZ/1001**. According to the Schedule of Notes of the OZPs, "Burial Ground" is listed in Column Two Uses and hence a planning application to Town Planning Board will be submitted. The impact assessment on the proposed site is presented in **Chapter 2**.

1.4 Land Status

1.4.1 It is noted that the application site has interface with the Quarry Safety Zone (Lam Tei Quarry) and CLP's engineering reserve. Both CEDD/GEO and CLP are consulted and no adverse comment were acquired, the related correspondence is included in **Annex A**.

2 Impact Assessment

2.1 Impact on Existing Traffic System

- 2.1.1 The application site is relatively small (i.e. 2.3ha) compared to the extent of existing burial ground BURGD21 (i.e. 11.5ha) next to it. The number of visitors is unlikely to increase substantially. Furthermore, the application site is accessible via the existing Fu Fuk Road and local pedestrian access (~90m distance on plan from Fu Fuk Road to application site). The existing accesses to the application site are considered adequate and no additional access is required.
- As it is not proposed to widen the existing accesses, it is expected that the traffic flow within the vicinity of proposed land use will remain the same as the current condition and hence no mitigation / improvement measure is required for the existing accesses.

2.2 Impact on Environmental Aspects

- 2.2.1 It is anticipated that the overall topography of the application site will not be materially changed. Also, no extensive site formation works such as slope works nor retaining wall will be carried out within the site. Only localised excavation at minimum may be involved in burial practices, hence the environmental impacts during burial activities are considered minimal.
- 2.2.2 Considering the application site is relatively small compared to the adjacent BURGD21, the grave sweeping activities around the area will not be materially changed. Moreover, visitors are anticipated to stay in the application site over a short duration only. As the visitors will not be substantial in number, no facility such as public toilet is proposed to provide for the application site. Hence the environmental impacts during grave sweeping are considered minimal.
- 2.2.3 For the impacts on landscape & visual, ecological, and heritage aspects, it will be discussed in the following sections.

2.3 Tree Survey

- 2.3.1 Tree survey was conducted for the application site, a total estimated 1,508 nos. of trees are recorded. All tree species recorded are common and widespread in Hong Kong. No Registered Old and Valuable Tree (OVT) nor other Tree of Particular Interest (TPI) is identified. The Tree Survey Report is included in **Annex B**.
- 2.3.2 It is noted from Ecological Impact Assessment that a sapling of Incense Tree was recorded and excluded from the application site as mentioned in **Section 2.5.1**. With reference to *Development Bureau Technical Circular (Works) No. 4/2020 Tree Preservation*, as the mentioned sapling has a trunk diameter less than 95mm at a height of 1.3m above ground level, it is not classified as "tree" and hence not included in the Tree Survey Report.
- 2.3.3 The current S16 Application of land use does not involve any construction works nor tree removal. In the operation stage, should any tree removal be involved, the respective burial applicant is required to obtain the consent from relevant

authorities in compliance with established protocols as required in the Application for Certificate for Burial within Permitted Burial Grounds.

2.4 Impact on Landscape & Visual

- 2.4.1 The graves would be approximate 1m in height surrounding with existing vegetation. The location of the application site is located far away from the existing rural settlement, and therefore, the graves will not be easily visible given the structure height of the graves. Further, the graves materials are mainly concrete, i.e. light grey or earth tone colour, will be able to blend in with the existing environment. Therefore, it is reasonably foreseeable that the application site would not generate adverse visual impact.
- 2.4.2 The current S16 Application of land use does not involve any construction works nor tree removal.
- 2.4.3 During the operation stage, only localised excavation would be involved in burial practices, it is anticipated that the application site would not generate adverse landscape impact. In case any grave construction would require the trees removal in the operation stage, the future burial applicant should obtain consent from relevant authorities in compliance with established protocols as required in the Application for Certificate for Burial within Permitted Burial Grounds.

2.5 Impact on Ecology

- 2.5.1 Ecological Impact Assessment was conducted and included in **Annex C**. The application site is located outside Tai Lam Country Park. The application site is covered by mixed woodland habitat, where only minimal habitat loss is anticipated as the current S16 Application of land use does not involve any site clearance nor construction works thus no direct impact. A sapling of Incense Tree of conservation importance was recorded and excluded from the application site. Other fauna species of conservation importance are mobile and can utilise habitats of same kind nearby, hence both direct and indirect impacts are considered insignificant.
- 2.5.2 Given the proximity to existing villages of the application site, the increase in disturbance to habitats and fauna nearby due to grave burial is considered minor. Regarding concern of hill fire, aerial photos in recent three decades of existing BURGD22 indirectly suggest that hill fires had not occurred for 30 years, hence it is prudent to consider that the risk of hill fire of the application site remains low. Moreover, appropriate receptacles shall be used for burning joss sticks, joss paper, etc. as stated in the Certificate for Burial within Permitted Burial Grounds.
- 2.5.3 Hence, ecological impacts due to operational disturbance and hill fire during the operational phase are all considered minor. The impact on recognized sites of conservation importance and species of conservation importance during the operational phase will either be minor or insignificant.

2.6 Impact on Geotechnical Aspect

2.6.1 It is anticipated that the overall topography of the application site will not be materially changed. Also, no extensive site formation works such as slope works

nor retaining wall will be carried out within the site. As such, it is considered the impact on this aspect is minimal.

2.7 Impact on Existing Drainage Network System

- 2.7.1 The application site is outside the low-lying area and not a flooding black spot. As the application site will not be paved / developed, the runoff being discharged to the adjacent drainage system will not be materially affected.
- As no additional land will be formed and most of the woodland will not be paved, the soil characteristic within the application site will in general remain unchanged as existing condition. As a result, no additional drainage runoff will be discharged to the existing drainage network system.
- 2.7.3 It is therefore envisaged that there is no drainage impact within the area. As such, no proposed or upgrading works on the existing drainage network system is required.

2.8 Impact on Existing Sewerage Network System

- 2.8.1 There will be no residents to stay in the application site. For the visitors not substantial in number, no facility such as public toilet is proposed to provide for the application site. Hence no additional sewage will be generated by the proposed land use. The visitors are expected to use the existing toilets nearby such as the Fuk Hang Tsuen Public Toilet.
- 2.8.2 It is therefore envisaged that there is also no impact on the existing sewerage network system within the area due to the proposed land use. No proposed nor upgrading works on the existing sewerage network system is required.

2.9 Impact on Air Ventilation

2.9.1 The graves would be approximate 1m in height which are lower than the existing woodland. No building structure is planned to be built within the application site and hence there is no impact on air ventilation due to the proposed land use.

2.10 Impact on Heritage

2.10.1 Heritage Impact Study was conducted as the application site is within 50m of Fu Tei Ha Site of Archaeological Interest. The archaeological findings indicate the Song, and Ming/Qing dynasty findings are unrelated to the steep hills adjacent to the Fu Tei Ha SAI and thus the application site is not expected to have significant archaeological potential. There are no declared monuments, graded historic buildings, items pending grading assessment by the Antiquities Advisory Board or Site of Archaeological Interest located within the application site. The Heritage Impact Study report is included in **Annex D**.

3 Conclusions

- During public consultation of the Route 11 project, requests for optimising existing PBGs for increased burial spaces have been raised by members of local rural community, including Hon LAU Ip-keung, Kenneth (ExCo and LegCo Member, Chairman of Heung Yee Kuk, TMDC member, and Chairman of TMRC) and Mr TSANG Chin-Hung (1st Vice-chairman of TMRC), at the Traffic and Transport Committee of the TMDC on 9 June 2023, and at a joint meeting on 13 June 2023 attended by TMRC members, Tuen Mun District Office, District Lands Office/Tuen Mun, and Highways Department. In response to their request, the Government has agreed to provide assistance to local stakeholders with the application for new PBGs at the joint meeting held on 13 June 2023. A potential site for proposed new PBG (i.e. "the application site") is identified. The application site is located next to the existing PBG Site No. BURGD21 (See **Figure 1** and **Drawing No. 284104/PBG/GA/1001**), which is approximately 2.3ha.
- 3.1.2 The application site is zoned "Green Belt" ("GB") in the Approved Lam Tei and Yick Yuen Outline OZP No. S/TM-LTYY/12 and the Draft Tuen Mun OZP No. S/TM/38. Referring to the Schedule of Notes, the use of burial ground is under Column 2 of "GB" zone, i.e. the use that may be permitted with or without conditions on application to the Town Planning Board. To this, it is required to apply for permission under Section 16 of the Town Planning Ordinance (Cap. 131).
- 3.1.3 Impact assessments on various aspects including traffic, environmental, geotechnical, drainage, sewerage and air ventilation have been carried out. It is concluded that there is minor or insignificant impact due to the proposed land use.

Figure

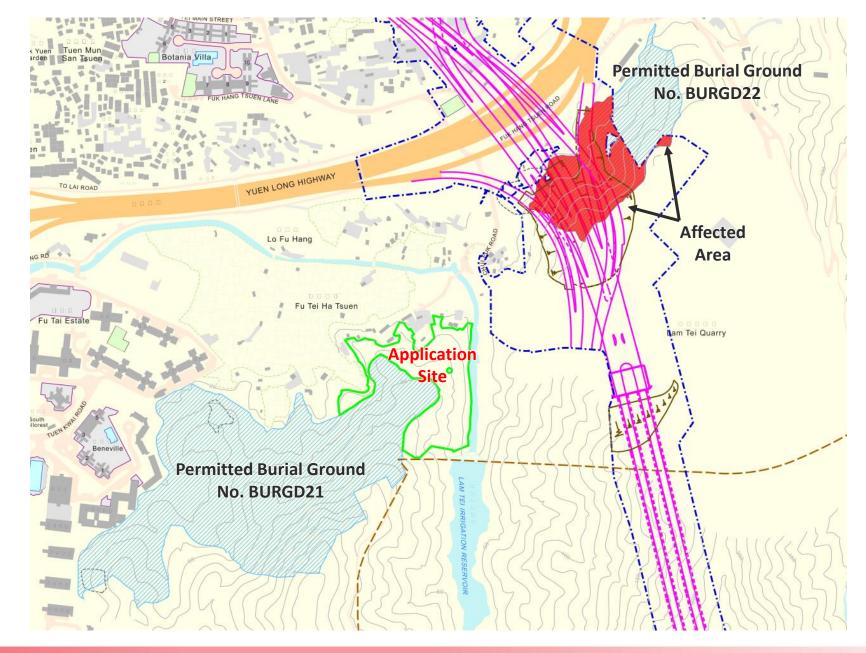
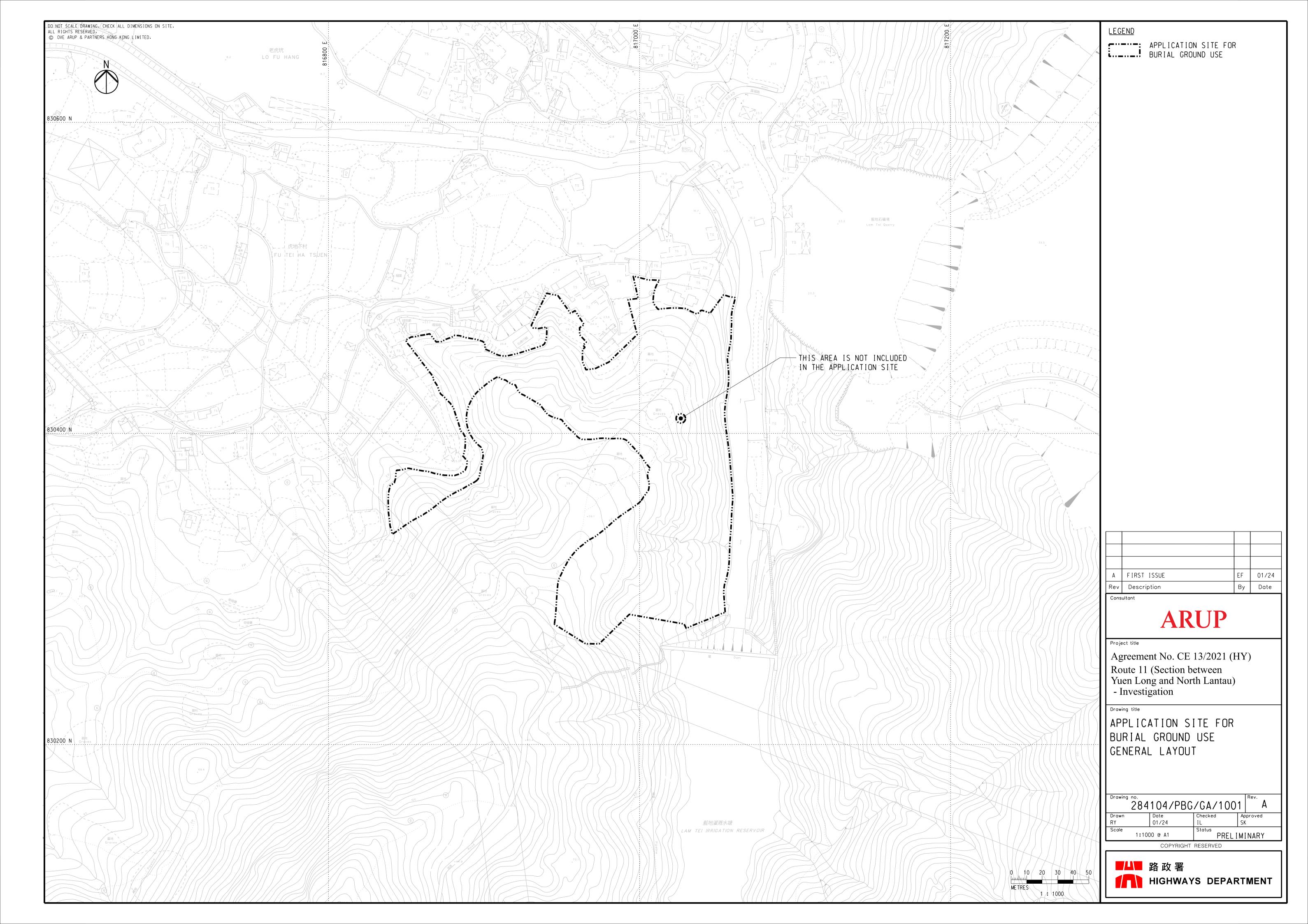
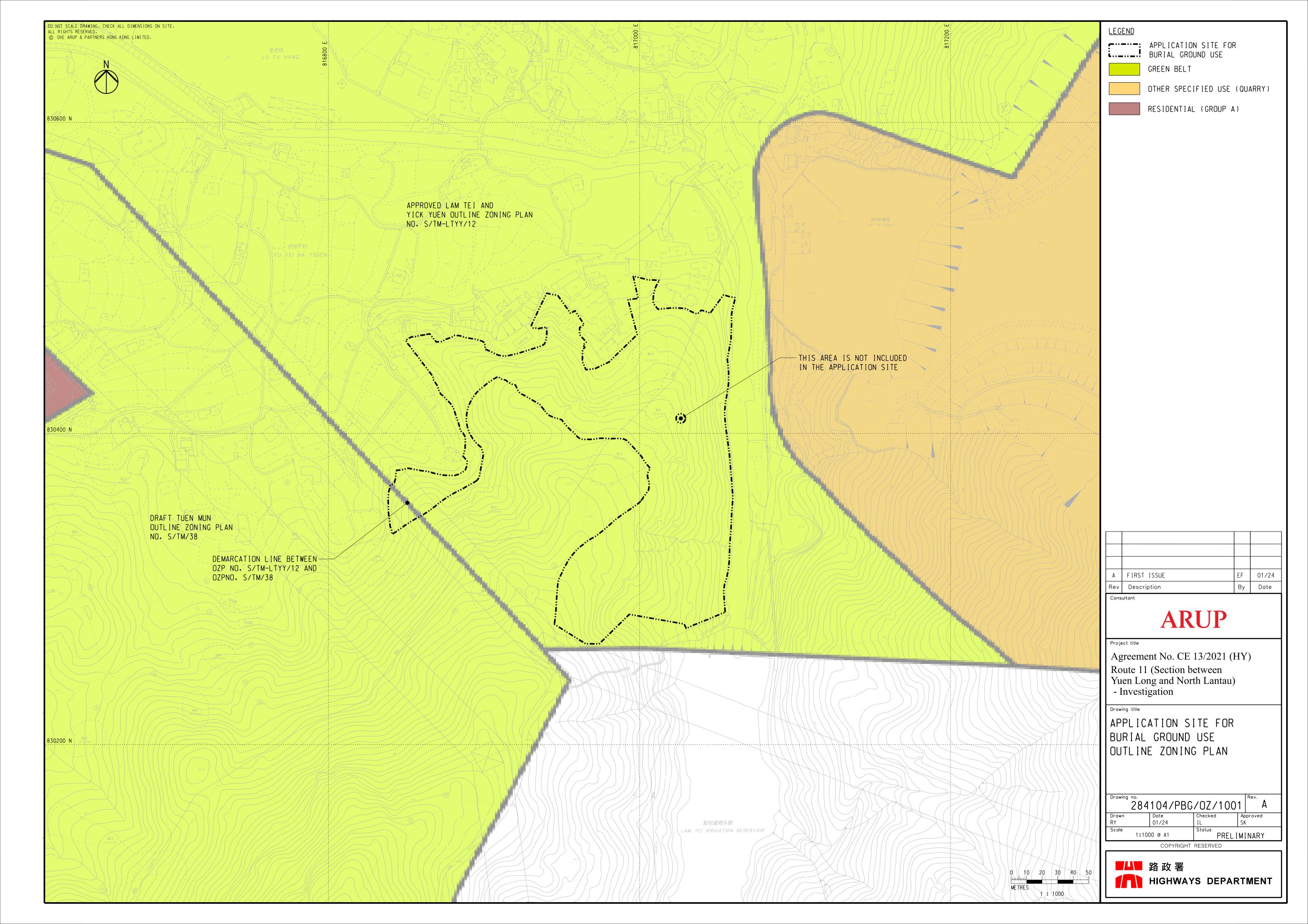


Figure 1 Overall Layout of Affected Permitted Burial Ground No. BURGD22 and the Application Site for Burial Ground Use



Drawings





Annex A

Response to Comments from Departmental Circulation & Correspondence on Land Interface

Comments received: Responses: (1) From: EPD () in EP I/TM/LTYY/301 Ref. 16 February 2024 Date: I refer to your MUR under reference. 2. The applicant, Highways Department (HyD), seeks planning permission for the proposed reprovisioning site for affected permitted burial ground no. BURGD22 at the application site. The Site falls within an area zoned "Green Belt" ("GB") in the approved Lam Tei and Yick Yuen No. S/TM-LTYY/12 and the draft Tuen Mun OZP No. S/TM/38. 3. According to the planning statement, a portion of Permitted Typo in Section 1.1.6 of the submission is revised, Burial Ground (PBG) Site No. BURGD22 at Lam Tei the application site area is approximately 2.3ha. (approximately 23ha) will be affected by the Recommended Alignment of Route 11, with the following details, including but not limited to :-The number of visitors is unlikely to increase substantially. No additional access is required; It is expected that the traffic flow within the vicinity of proposed development will be the same as the current condition; Only localised excavation at minimum may be involved in burial practices; and No facility (such as public toilet) is proposed to provide for the reprovisioning site. Hence, no additional sewage will be generated. 4. According to PlanD's memo dated 24 August 1998 regarding Noted that planning application for "Burial the "Circulation of Planning Applications and Related Matters to Ground" located within "Green Belt" zoning need EPD", Annex A sets out that the planning application for "Burial not to be circulated to EPD for comments. For the Ground" located within "Green Belt" zoning need not to be standard EPD comments set out in Annex B, the circulated to EPD for comments. Standard EPD comments have application site should be categorised as item E of also been set out in Annex B of the memo for incorporation into Annex B, which is "application for uses other than TPB or PC Papers on planning applications which need not be the above"; hence, it is noted that "EPD has no circulated to EPD for comments. Please make reference to the comment on the application". enclosed memo and adopt the suitable standard comments as appropriate. If the application is approved, the applicant is advised to comply with all relevant environmental pollution control ordinance during construction and to implement appropriate mitigation measures / practices as set out in the Recommended Pollution Control Clauses for Construction Contracts which are available at the following website:https://www.epd.gov.hk/epd/english/environmentinhk/eia plan ning/guide_ref/rpc.html 5. For other aspects, such as landscape and visual (including tree impact), ecology, cultural heritage, I trust you would consult PlanD, AFCD and AMO, which were included in your circulation. Annex A & B.pdf

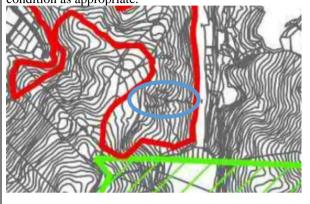
Com	ments received:	Responses:
(2)	From: HyD/NTW Ref: (1DZLP) in HyD NT/13-8/1/1-TM Date: 16 February 2024	
	I refer to your above referenced memo dated 14.02.2024 regarding the captioned subject. As the existing access adjacent to the reprovisioning site is not and will not be maintained by HyD, we have no comment on the captioned draft planning application from highways maintenance point of view. Presumably, relevant departments will provide their comments to you, if any.	Noted with thanks.
	Should you have any query or require further information, please contact our DE/TM(E), Mr. CHOW Wan-yin, at tel. 2762 4904.	
(3)	From: CEDD/GEO Ref: PLN-50-2005-7-TM-LTYY Date: 22 February 2024	
	I refer to your email under reference dated 5.2.2024.	
	2. The Geotechnical Engineering Office has no comments on the pre-submission for the S.16 application.	Noted with thanks.
	3. If you have any enquiries regarding the above, please contact Ms Celia Y Y Yang (tel. no. 2762 5372) of this Office for discussions.	
(4)	From: WSD/Construction Division Ref: (2) in WSD/M/SP 3051/470/216S/24 Pt.1 Date: 23 February 2024	
	Major Comments on the Application/Main Reasons of Objection:	
	Nil.	Noted with thanks.
	Other Detailed Comments (if applicable):	
	Nil.	Noted with thanks.
(5)	From: FEHD Ref: Nil (by Email) Date: 27 February 2024 Time: 10:27am	
	1) If any FEHD's facility (such as bin site) is affected by the development, FEHD's prior consent must be obtained. Local consultation / DC consultation should be conducted by the project proponent to the satisfaction of the locals and FEHD on the proposal of re-provisioning of the affected facilities under FEHD's management. Reprovisioning of the affected facilities by the project proponent up to the satisfaction of FEHD may be required. Besides, the project proponent should provide sufficient amount of additional recurrent cost for management and maintenance of the reprovisioned facilities to FEHD.	As the current S16 application of land use would not involve any construction works, no FEHD facility would be affected.
	2) If provision of cleansing service for new public roads, streets, cycle tracks, footpaths, paved areas, public carpark, footbridge, subway, etc, is required, FEHD should be separately consulted. Prior consent from FEHD must be obtained and sufficient amount of recurrent cost must be provided to us.	As the current S16 application of land use would not involve any construction works, no new facilities would be provided.

Comments received: Responses: 3) The associated works and operations shall not cause any The current S16 application of land use would not environmental nuisance, pest infestation and obstruction to the involve any construction works. The mentioned surrounding. For any waste generated from the operations and requirements would be observed in operation stage works, the project proponent should arrange its proper disposal by relevant department. at their own expenses. From: HKPF/TMDIST (6)Ref: (90) in NTN TMDIST 1-150/6 Pt.34 Date: **27 February 2024** Your MUR refers. 2. Tuen Mun Police District has no objection on the subject Noted with thanks. proposal at this stage 3. Should you have any query, please contact Mr. LEUNG Kiching, Officer-in- charge of District Traffic Team of Tuen Mun Police District at 3661 5722. From: CEDD/WDO **(7)** () in CEDD WDO-01-0055-140 Ref: Date: **29 February 2024** I refer to your above quoted memo and have no comment on the Noted with thanks. application. **(8)** From: AFCD Nil (by Email) Ref: Date: 4 March 2024 Time: 3:03pm Comment on draft supporting document S.2.5 For sake of clarity, please specify in S.2.5 of the application Section 2.5.1 of the submission is revised to document whether the proposed reprovisioning site is located mention that the application site falls outside TLCP. outside Tai Lam Country Park (TLCP) and hence avoided direct impacts. Comments on Appendix B (EcoIA) General Please provide justifications on why the subject site is considered The current S16 application is conducted upon suitable for reprovisioning the affected PBG from ecological TMRC's request on new permitted burial ground at this particular location, hence alternative sites are perspective, and whether alternative sites were considered. not applicable in this context. TMRC's requested location is considered suitable as a new permitted burial ground considering the close proximity to Nai Wai & Shun Fung Wai (i.e. stakeholders for BURGD22); no private lot affected and no interface with potential / existing development. Different aspects of impact assessments are then conducted. A site with existing graves, where habitat(s) therein and in the vicinity, and wildlife has been subject to disturbance impact posed by grave burial and sweeping events, was selected.

Com	ments received:	Responses:
	<u>S.3.1.1</u>	
	Please check if we have provided our internal bat roost data of the assessment area of the subject S16 application. If negative, please delete "as well as internal bat roost data provided by AFCD" from the last sentence.	Noted the irrelevant information and deleted.
	<u>S.3.1.2</u>	
	Please provide a figure showing the project site and the assessment areas of reviewed studies.	To be in line with the recently approved EIA reports, a figure comprising the Project Site and the assessment areas of the reviewed studies has not been prepared.
	<u>Table 3.1 & Figure 1.2</u>	
	According to Figure 9.4A of Route 11 EIA, Grey Nightjar was recorded within the current application site. However, its record was not reflected in Table 3.1 and Figure 1.2 of the subject submission. Please cross check the submission for the sake of consistency.	Noted and revised and cross-checked.
	<u>S.4.1</u>	
	Please supplement when the ecological surveys for Route 11 and Tuen Mun Bypass (TMB) were completed.	Noted and supplemented.
	S.4.2.2, 1st sentence	
	It is suggested to revise as "The recommended months and methodology of conducting surveys for specific taxa <u>have made reference to</u> the EIAO GN".	Noted and revised.
	<u>S.5</u>	
	Please confirm and elaborate whether the survey results from Route 11 and TMB are still valid and suitable for impact assessment.	Noted and supplemented in Section 5.10.1 of Annex C.
	<u>S.5.1</u>	
	Please supplement whether any notable habitat change was spotted during verification surveys as compared to previous survey results from Route 11 and TMB.	Noted and supplemented in Section 5.1.13 of Annex C.
	<u>S.5.1.7</u>	
	This section mentioned that the application site is dominated by native and exotic tree species. However, according to S.3.2.1 of Tree Survey Report, the existing trees were largely dominated by exotic plantation species. Please clarify.	Noted. To clarify, the canopy of the Application Site was dominated by exotic tree species (e.g. <i>Eucalyptus exserta</i> and <i>Lophostemon confertus</i>). However, the mid-storey and understorey, in which plant species not attaining a trunk diameter 95 mm or more at a height of 1.3m above the ground level were observed to be dominated by native plant species. Section 5.1.7 of Annex C has been revised to suggest that "The Application Site was entirely covered by mixed woodland, the canopy of which was dominated by exotic tree species, such as <i>Eucalyptus exserta</i> and <i>Lophostemon confertus</i> as tall as 12m." to avoid confusion.

S.5.1.12

Please clarify if the following watercourse (encircled in blue) was recorded during the verification surveys and previous surveys for Route 11 and TMB. If positive, please supplement its condition as appropriate.



S.5.3

Please supplement whether any bat roosting / breeding site was found within the assessment area.

<u>Table</u> 5.7

- Given that exotic tree species dominated the canopy of the mixed woodland according to S.5.1.7, please review whether it is appropriate to consider the mixed woodland as "natural" under the criteria "Naturalness".
- Please supplement the condition of mixed woodland within the application site as appropriate.

S.6.2.1

- Since the construction of new and relocated graves would convert the mixed woodland, please review whether it is appropriate to conclude that habitat loss is not expected.
- In Line 8, it is suggested to revise as "As tree felling, <u>if</u> <u>unavoidably</u> required, would be of limited number for each burial application...".
- A typo is spotted "...consent from relevant authorities <u>much</u> be obtained.".

S.6.2.4

To avoid potential damage from future burial activities, please revise the PBG boundary to exclude the Incense Tree sapling and its vicinity.

Ss.6.3.1-2

Please supplement whether potential disturbance impacts from grave burial and grave sweeping activities are anticipated to be constant or not.

Responses:

Noted. To clarify, there was no water flow observed at the concerned location during the verification surveys and surveys for Route 11. No watercourse was mapped in the approved EIA report for TMB.

Noted and supplemented in Section 5.3.3 of Annex C that bat roost and breeding sites were not recorded within the assessment area.

Noted and revised as "semi-natural".

Noted and supplemented.

Noted. It has been revised that it is anticipated that only minimal loss of mixed woodland will occur arising from potential tree felling applications. It has been assessed that the resulting impact would be insignificant.

Noted and revised.

Noted and revised as "... consent from relevant authorities will be obtained".

Noted, the application site boundary is revised to exclude the Incense Tree sapling and its vicinity.

Noted and supplemented that they are not anticipated to occur constantly during the operation phase.

Comments received:	Responses:
<u>S.6.3.9</u>	
The sentence is incomplete. Please revise.	Noted and Sections 6.3.9 and 6.3.10 of Annex C have been restructured for the sake of clarity.
<u>S.6.3.10</u>	
Assessment on the potential hill fire hazards on TLCP and whether there will be any fire control measures / administrative controls on the burial activities should be provided in S.6.3.10 of the EcoIA (appendix B).	Noted and supplemented in Section 6.3.9 of Annex C.
<u>8.7.3</u>	
Please provide justification(s) to support the conclusion that no compensation measure is required.	Noted and supplemented.
<u>Ss.8.1.2 & 10.1.2</u>	
S.8.1.2 mentioned that the recommended mitigation measures will mitigate the residual impacts to an acceptable level. It seems contradicted to S.10.1.2 which stated that no specific mitigation measure is considered necessary. Please clarify.	Noted and Section 8.1.2 of Annex C has been revised to reflect that no specific mitigation measure is considered necessary.
Ref: Nil (by Email) Date: 12 April 2024 Time: 3:22pm	
I refer to your preceding email. Please see below my further comments on the subject submission.	
RtoC on S.6.2.1; S.6.2.3	
S.6.2.1 mentioned that minimal loss of mixed woodland is expected for the burial of new graves. However, S.6.2.3 stated that habitat loss due to new graves is not anticipated. Please review if there is any contradiction between Ss.6.2.1 and 6.2.3, and revise / remove S.6.2.3 as appropriate.	Noted and Section 6.2.3 of Annex C has been updated to reflect that only minimal habitat loss is anticipated to occur.
RtoC on S.6.3.1	
It is suggested to revise the paragraph as "During the operational phase, grave burial events may increase human activities, noise disturbance from machinery, and dust Given the proximity to the existing villages, and grave burial events will not occur constantly throughout a year, any significant increase in disturbance impacts from the grave burial activities is not anticipated. The increase in disturbance due to grave burial is considered minor".	
S.6.2.6, Table 3.1 & Fig. 1.2a	
Black Kite was recorded within the Application Site from reviewed literature as per Fig. 1.2a, but such record was not reflected in S.6.2.6 and Table 3.1. Please check and revise as appropriate.	Noted. With reference to the Approved Environmental Impact Assessment Reports for Route 11 (AEIAR-255/2023) and Tuen Mun Bypass (AEIAR-256/2023), Black Kite was recorded within the Application Site. As such, Section 6.2.6 and Table 3.1 of Annex C have been revised to reflect the record of Black Kite there.
Ref: Nil (by Email) Date: 16 April 2024 Time: 1:45pm	
I refer to your preceding email. I have no further comment on the subject submission.	Noted with thanks.

Com	ments received:	Responses:
(9)	From: Buildings Department Ref: (7) in B.C. T.M. MISC. 368 Date: 4 March 2024	
	Part A: General Comments	
	Noting that the proposed excavation and filling of land is carried out on Government Land, I am not in a position to comment the captioned application.	Noted with thanks.
	Part B: Advisory Comments for the Applicant	
	Nil	Noted with thanks.
(10)	From: FSD Ref: Nil (by Email) Date: 5 March 2024 Time: 12:26pm	
	Please be informed that I have no specific comment on the captioned submission provided that there will be no structures erected on the subject site.	Noted with thanks.
	Should you have any enquiries, please feel free to contact the undersigned or Mr. YAN Chi-ho at 2733 7758.	
(11)	From: HAD Ref: Nil (by Email) Date: 6 March 2024 Time: 10:55am	
	Further to the email from DLO(TM) to your office on 15.2.2024, we have no further comments, please.	Noted with thanks.
(12)	From: HyD/MWPMO Ref: Nil (by Email) Date: 6 March 2024 Time: 7:20pm	
	After the discussion with subject officer of PlanD, please address our comments in the main text of the application document to cater the potential enquiry from the members of TPB as below for your review:-	
	1. The justification on the selection of this site	The revised Section 1.1.6 of the submission refers, the application site location is proposed by TMRC, and fulfils the criteria set out in Section 1.1.5.
	2. The assess to the site	Section 2.1.1 of the submission is supplemented with approximate distance of local pedestrian access between the Application Site and Fu Fuk Road.
	3. Tree felling issues in the operation stage	Section 2.3.3 of the submission is supplemented on tree removal issues in operation stage.
(13)	From: PlanD/UD&L Ref: Nil (by Email) Date: 6 March 2024 Time: 3:06pm	
	I refer to your email and MUR dated 14.02.2024 enclosed the captioned and seeking our comment on the Tree Survey Report.	
	Background (for reference only)	
	2. The Applicant proposed to reprovision a site for the permitted burial ground no. BURGD22 which will be affected by alignment of Route11. The application site (i.e. reprovisioning site) is located abutting Fu Tei Ha Tsuen in Lam Tei, which falls	Referring to Section 1.1.4 of the submission, the application is an "Application for New Permitted Burial Ground by the local stakeholders". The title

within a "GB" zone on the approved Lam Tei and Yick Yuen Outline Zoning Plan (OZP) No. S/TM-LTYY/12.

Landscape Observations and Comments

- 3. The application site is situated in an area of settled valleys landscape character predominated by temporary structures, tree groups and village as observed from aerial photo. The Lam Tei Irrigation Reservoir and Tai Lam Country Park are located closely at the south.
- 4. With reference to the submitted information, noting majority of the application site (i.e. reprovisioning site) is "densely vegetated with trees", approx. 1508 nos. of existing trees in common/ widespread species are recorded within the Site. According to Para. 2.2.1 and 2.5.1, "the reprovision of PBG would not involve any site clearance nor construction works" and "only localised excavation at minimum may be involved in burial practices".
- 5. Having reviewed the submitted information, please note below our observations/ initial comments on the submission from landscape planning perspective:

Planning Statement 'Impact Assessment'

- a) Section 2.4 Noting Para.2.4.1 only covered visual impact, the Applicant is reminded to refer Guidance Notes 'Application for Permission under Section 16 of the Town Planning Ordinance (Cap.131)', assessment/information on potential/ anticipated impact on landscape and existing trees should also be covered in the discussion as appropriate.
- b) Noting "localised excavation at minimum may be involved in burial practices" within the Site, and the Site is "densely vegetated with trees" with approx. 1508 nos. of existing trees but without indicating the proposed tree treatments in Section 2.3 and 2.4 of the Planning Statement as well as the 'Tree Group Assessment Schedule'.

In accordance with the mentioned GN in above comment (a), please illustrate the proposed changes and mitigation measures (if any) such as compensatory planting and/ or other landscape treatments as appropriate, and clarify in Section 2.3 'Tree Survey' whether tree felling will be involved in the application.

- 6. The above comments from landscape planning perspective serve as general advice for the Applicant to prepare the subsequent s.16 application, we reserve our views/ detailed comments upon receipt of submission under formal application.
- 7. Please feel free to contact the undersigned should you have any queries.

Ref: Nil (by Email)

Date: 12 April 2024 Time: 2:24pm

I refer to HyD's email dated 03.04.2024 enclosed the revised draft application of the captioned for comment.

Responses:

of the submission is amended to "Application for New Permitted Burial Ground at Lam Tei".

Noted. There is no temporary structure nor village in the application site.

Noted.

The current S16 Application of land use does not involve any construction works nor tree felling. In the operation stage, should any tree felling be involved, applicant is required to obtain the consent from relevant departments. Section 2.3.3 of the submission is supplemented accordingly.

Section 2.4.3 of the submission is supplemented on landscape impact assessment.

The current S16 Application of land use does not involve any construction works nor tree felling. In the operation stage, should any tree felling be involved, applicant is required to obtain the consent from relevant departments.

Section 2.3.3 of the submission is supplemented accordingly.

Noted.

- 2. Having reviewed Para. 1.2.2, 2.3.3 and 2.4.3 of the revised draft application, noting the proposed use "does not involve any construction nor tree felling" and "in case any grave construction would require the trees removal in the operation stage, the future burial applicant should obtain consent from relevant authorities in compliance with established protocols as required in the Application for Certificate for Burial with Permitted Burial Grounds". The Applicant may refer to TPB's guidance note 'Application for Permission under Section 16 of the Town Planning Ordinance (CAP.131)' for preparing the subsequent formal s.16 application, we reserve our views from landscape planning perspective upon receipt of submission under formal application.
- 3. Please feel free to contact the undersigned should you have any queries.

(14) From: LandsD/DLO(TM)

Ref: (12) in L/M(2) to DLOTM 131/3/82/2

Date: 6 March 2024

Part A: General Comments

- 1. The application site ("the Site") comprises Government land only. No occupation of Government is allowed without Government's prior approval.
- 2. The Government land in the application site is not covered by any Short Term Tenancies (STT).
- 3. Please notify the applicant of our comments/requirements as stated above.

Part B: Advisory Comments for the Applicant

- 1. I have other observations/advisory comments as follows:
- (i) It is noted that HAD was included in the circulation. Please note that DO(TM) of HAD should be consulted on whether or not they support the application and the application is in genuine need;

- (ii) The proposed burial ground will not constitute an unacceptable health, fire or erosion hazard or cause any nuisance, disturbance to nearby residents;
- (iii) In general, the proposed burial ground should avoid any conservation zones designated for protection of natural landscapes and habitats [e.g. Country Park, Coastal Protection Area, Site of Special Scientific Interest, Green Belt, Conservation Area and Other Specified Uses

Responses:

Further to the telecom between PlanD/UD&L and HyD/MWPMO on 12 April 2024, it is noted that the revised Sections 1.2.2, 2.3.3 and 2.4.3 of the submission have been reviewed, and there is no further comment on the aforementioned sections. As a general reminder, PlanD/UD&L reminded that "The Applicant may refer to TPB's guidance note 'Application for Permission under Section 16 of the Town Planning Ordinance (CAP.131)' for preparing the subsequent formal s.16 application, we reserve our views from landscape planning perspective upon receipt of submission under formal application."

Noted

Noted.

Requests for optimising existing permitted burial grounds for increased burial spaces have been raised by members of local rural community, including Hon LAU Ip-keung, Kenneth (ExCo and LegCo Member, Chairman of Heung Yee Kuk, Tuen Mun District Council member, and Chairman of Tuen Mun Rural Committee (TMRC)) and Mr TSANG Chin-Hung (1st Vice-chairman of TMRC), at the then Traffic and Transport Committee of the Tuen Mun District Council) on 9 June 2023, and at a joint meeting on 13 June 2023 attended by TMRC members, Tuen Mun District Office, District Lands Office/ Tuen Mun, and Highways Department. In response to their request, the Government has agreed to provide assistance to local stakeholders with the application for New Burial Grounds at the joint meeting held on 13 June 2023.

Noted.

Noted. The application site is proposed by TMRC as mentioned in the Sections 1.1.4 to 1.1.6 of the submission. The application pre-submission with the technical assessments was circulated to relevant departments / office, so the submission has

incorporated their comments and complied with the

relevant legislation and government requirements.

Responses:

Comments received:

(Comprehensive Development and Wetland Enhancement Area / Comprehensive Development to include Wetland Restoration Area), etc.] on statutory town plans; or sites protected under the Country Parks Ordinance or the Marine Parks Ordinance. (e.g. Country Park, Special Area and Marine Park) / identified by Agricultural, Fisheries and Conservation Department as Sites of Special Scientific Interest, which may not be covered by any statutory town plans, so as to prevent causing damage to the ecological habitat with conservation value. However, if the proposed location inevitably covers or overlaps with these areas, the relevant legislation and any other applicable government requirements will have to be complied with before the application can be further processed; and

(iv) The application site falls within the following land status items. You are required to seek comment from concerned allocates/departments direct.

2-	Item	Description	Allocatees /Departments		
1.	1/MQR/69	Quarry Safety Zone (Lam Tei Quarry)	CEDD		
2.	1/MQR/69 XIII	Quarry Safety Zone (Lam Tei Quarry)	CEDD		
3.	Pylon B30/A	Works Limit (Engineering Reserve)	CLP		
4.	SD-006/P(4CPA)	License Relating to Rights Through, Over or Under Land	CLP		
5.	120/CPD/RN/66	50m Corridor of Electricity Networks (Statutory Easements)	CLP		

CEDD and CLP are consulted and no adverse comments are acquired. The related correspondence is attached in $\bf Annex\ A$.

(15) From: DSD/MND

Ref: Nil (by Email)

Date: 21 March 2024 Time: 11:37am

I refer to your attached referenced memo dated 14.2.2024 regarding the captioned subject. We have no objection in principle to the proposed application from a drainage point of view. Thanks.

(16) From: AMO

Ref: Nil (by Email)

Date: 21 March 2024 Time: 11:37am

I refer to your preceding emails dated 14 February 2024 regarding the captioned s.16 pre-submission.

Since there are no declared monuments, graded historic buildings, items pending grading assessment by the Antiquities Advisory Board or Site of Archaeological Interest located within the application site, the Antiquities and Monuments Office has no comment on the captioned s.16 pre-submission from heritage conservation perspective. Thank you.

(17) From: TD

Ref: Nil (by Email)

Date: 3 April 2024 Time: 2:49pm

Please find our comments from traffic engineering viewpoint:

1. The subject site is located next to the existing burial ground BURGD21 and is accessible via Fu Fuk Road and Chui Fuk Road. As both Fu Fuk Road and Chui Fuk Road are not public roads managed by this Office, comments from relevant authorities and stakeholders should be sought.

Noted with thanks.

Noted with thanks.

Noted, both Fu Fuk Road and Chui Fuk Road are unallocated government land. The current submission was circulated to relevant authorities including LandsD and HAD for their comment.

2. In the TIA of Route 11 and Tuen Mun Bypass, Chui Fuk Road is mentioned as a delivery route of construction materials. We also note from Route 11 gazette plan that a section of Chui Fuk Road will be modified. HyD should clarify the access arrangement of Chui Fuk Road during construction and operation of Route 11 and Tuen Mun Bypass, and confirm if there is no plan to convert Chui Fuk Road into a public road under TD management.

3. We understand from HyD that Chui Fuk Road is planned to be used as maintenance access and emergency evacuation for Route 11 and Tuen Mun Bypass during operation. If the plan is still valid, HyD is suggested to take into consideration the traffic impact from the proposed burial grounds to Fu Fuk Road/Chui Fuk Road including arrangements of parking, loading and unloading and crowd management in particular during the grave sweeping periods to ensure there is no insurmountable impact to the maintenance/operation of Route 11/Tuen Mun Bypass.

(18) From: EMSD

Ref: Nil (by Email)

Date: 12 April 2024 Time: 1:16pm

I refer to your memo of 6.3.2024 and would offer the following comments for your consideration:

Electricity Safety

Based on the information provided, there are 400kV extra high voltage overhead lines running above the application site, which is within the preferred working corridor of the concerned overhead lines as stipulated in the Hong Kong Planning Standards and Guidelines (HKPSG) published by the Planning Department. We have no objection in principle to the application subject to the following conditions pertaining to electricity supply safety and reliability, being strictly complied by the applicant and its contractor:-

(a) Please observe the requirements of minimum safety clearance, minimum vertical clearance and preferred working corridor of the concerned overhead lines as stipulated in Clause 2.3.5, 2.3.6 and 2.3.14 under Chapter 7 - Utility Services of the HKPSG published by the Planning Department and ensure they shall be maintained at any time during and after construction;

Responses:

Public could access the application site via the northern section of Chui Fuk Road and Fu Fuk Road during construction stage (which is away from the proposed Chui Fuk Road widening under R11) and operation stage of R11 & TMB.

The management of Chui Fuk Road should be reviewed in R11's detailed design stage, which is independent of the current S16 application of land use.

The main access for MOM maintenance vehicles and emergency vehicles would be via R11 / TMB to Lam Tei Administration Area. Chui Fuk Road would only serve as a secondary backup option.

The application site is relatively small (i.e. 2.3ha) compared to the extent of existing burial ground BURGD21 (i.e. 11.5ha) next to it as shown in **Figure 1** of the submission. The number of visitors is unlikely to increase substantially. Hence, it is expected that the traffic flow within the vicinity of proposed land use will remain the same as the current condition.

According to HKPSG Ch7 Cl. 2.3.5, the minimum safe working clearance would be 5.5m from the 400kV overhead lines. As specified in HKPSG Ch7 Cl. 2.3.6, the existing overhead lines are min. 7.6 m above ground and grave features are typically 1m high, adequate vertical clearance are anticipated.

HKPSG Ch7 Cl. 2.3.6 specifies the vertical ground clearance of overhead lines, which does not relate to vertical clearance to other objects. For example, Cl. 2.3.18 mentions about vertical clearance between 400kV overhead lines and village houses underneath, which also refers to the 5.5m requirement specified in Cl 2.3.5.

HKPSG Ch7 Cl. 2.3.14 specifies the preferred working corridor requirement, which aims at providing sufficient space for operation, inspection maintenance etc. CLP has been consulted of the

Comments received:	Responses:
	burial ground boundary and adequate setback from the pylon has been provided as per CLP's comment. The related correspondence could be referred in Annex A .
(b) No scaffolding, crane and hoist shall be built or operated within 6m from the outermost 400kV conductors at all times. Warning notices should be posted at conspicuous locations to remind operators and workers of the site boundary. CLP Power shall be consulted on the safety precautions required for carrying out any works near the concerned overhead lines;	The grave features are typically 1m high, which are not likely to require scaffolding / heavy machinery including crane and hoist.
(c) In any time during and after construction, CLP Power shall be allowed to get access to the working corridor area of the concerned overhead lines for carrying out any operation, maintenance and repair work including tree trimming;	Noted, the application site would remain as government land without access restriction.
(d) The Electricity Supply Lines (Protection) Regulation and the "Code of Practice on Working near Electricity Supply Lines" established under the Regulation shall be observed by the applicant and his contractors when carrying out works in the vicinity of the electricity supply lines.	Noted, the current S16 Application of land use does not involve any construction works, only localized excavation may be involved in burial practices.
(e) As regards the electric and magnetic fields arising from the transmission overhead lines, the applicant should be warned of possible undue interference to some electronic equipment in the vicinity, if any.	Noted.

☐ Urgen	t Return Receipt Requested	☐ Sign☐ Encrypt☒ Mark Subject Restric☐dExpand personal&put
	File Ref : EDMS No : 30/01/2024 10:48	
	Re: *Restricted: Route 1 Interface with the site at t [CEDD]	1 - Planning Application he west of Lam Tei Irrigation Reservoir,Tuen Mun
	JUN CHANG LIU to: Pius Cc: HO PONG LO	HUGO
History:	This message has beer	replied to and forwarded.

Dear Pius,

We have no adverse comment from the quarry control point of view.

Regards, J C LIU GE/Mines 5 Mines Division, GEO, CEDD

Tel: 3842 7227





Pius HUGO Dear Mr LIU, This is Pius from the Route 11 Proj... 18/01/2024 15:16:53

From: Pius HUGO/HYD/HKSARG@HYD

To: jcliu@cedd.gov.hk
Date: 18/01/2024 15:16

Subject: *Restricted: Route 11 - Planning Application

Interface with the site at the west of Lam Tei Irrigation Reservoir, Tuen Mun [CEDD]

Dear Mr LIU,

This is Pius from the Route 11 Project of Highways Department.

As discussed, we are preparing the planning application under Cap. 131 to seek the permission from Town Planning Board (TPB) to approve the change in land use to "Burial Ground" for the site at the <u>west of Lam Tei Irrigation Reservoir, Tuen Mun</u>. The location and boundary of the site is shown in the attached location plan.

Location Plan

[附件檔 "Location Plan.dgn" 已被 JUN CHANG LIU/CEDD/HKSARG 刪除] [附件檔 "Location Plan.pdf" 已被 JUN CHANG LIU/CEDD/HKSARG 刪除]

As referred by the officer of Lands Department, I note that the aforementioned site is with the License / Regulated Use interface with your office as list as below:-

Category	Item	Description



☐ Urgen	t 🗌 Return Receip	ot Requested	☐ Sign☐ Encrypt☑ Mark Subject Restric☐bExpand personal&pub						
	E3/R11 Tel: 2762 3466 26/01/2024 16:28	File Ref : EDMS No :							
	*Restricted: Route 11 - Planning Application Interface with the site at the west of Lam Tei Irrigation Reservoir, Tuen Mun [CLP][880.127.2188]								
From:	Pius HUGO/HYE)/HKSARG							

To: "Choi, Karen Shuk Hang" <karen.choi@clp.com.hk>

Cc: "Lau, Benson Yuk Shing" <benson.lau@clp.com.hk>, "Wong, Joey Wai Sze"

<joey.wong@clp.com.hk>, "Lai, Margaret Cheuk Yin" <margaret.lai@clp.com.hk>, "Tang,

Kai Man" <tangkm@clp.com.hk>

Bcc: Martin CW LEUNG/HYD/HKSARG@HYD

Dear Karen,

Thank you for your information. As discussed, I note that there is no adverse comment and condition on your side on <u>"SD-006/P(4CPA)"</u> and <u>"120/CPD/RN/66"</u>.

For "Pylon ER B30/A, Location Suppled by SLE (PL) - B30/A", I will contact K.M. for the details

Regards, Pius HUGO E3/R11, MWPMO, HyD Tel No. 2762 3466

"Choi, Karen Shuk Hang" Dear Pius HUGO Please note that, Burial... 26/01/2024 15:54:44

From: "Choi, Karen Shuk Hang" <karen.choi@clp.com.hk>
To: "e3r11.mw@hyd.gov.hk" <e3r11.mw@hyd.gov.hk>

Cc: "Lau, Benson Yuk Shing" <benson.lau@clp.com.hk>, "Wong, Joey Wai Sze"

<joey.wong@clp.com.hk>, "Lai, Margaret Cheuk Yin" <margaret.lai@clp.com.hk>, "Tang, Kai

Man" <tangkm@clp.com.hk>

Date: 26/01/2024 15:54

Subject: RE: *Restricted: Route 11 - Planning Application Interface with the site at the west of Lam Tei

Irrigation Reservoir, Tuen Mun [CLP][880.127.2188]

Dear Pius HUGO

Please note that, Burial / Graves / Cemetery should **not** be located within the tower 4CPA36 Engineering Reserve - Pylon ER B30/A, Location Suppled by SLE (PL) – B30/A.

Should you have any further query, please feel free to contact our engineer, Mr. K.M. Tang at 2678-3545 for technical issue or the undersigned for any other assistance. Thank you.

Best regards



☐ Urgent	Return Receip	t Requested ☐ Sign☐ Encrypt☒ Mark Subject Restric☐dExpand personal&pub
	E3/R11 Tel: 2762 3466 09/02/2024 15:44	File Ref : EDMS No :
	west of Lam	Route 11 - Planning Application Interface with the site at the Fei Irrigation Reservoir , Tuen Mun [CLP][880.127.2188]

Cc: karen.choi@clp.com.hk

Bcc: Martin CW LEUNG

Dear KM,

Further to our previous discussion and my email on 2024.02.02. I append the DGN file showing the revised boundary in green line for your information; hence, I note that the interface issue is settled due to the aforementioned revised boundary.

Thank you.





OAP-284104-P-CEX_BURGD22_240206 Submission.dgn Land Interface for reference_A1_1000.pdf

Regards. Pius HUGO E3/R11, MWPMO, HyD Tel No. 2762 3466

Pius HUGO 02/02/2024 15:43:57 Dear KM, I append the location plan of Tower 4C...

From: Pius HUGO/HYD/HKSARG

To: "Tang, Kai Man" <tangkm@clp.com.hk>

"Choi, Karen Shuk Hang" <karen.choi@clp.com.hk> Cc:

Date: 02/02/2024 15:43

*Restricted: Route 11 - Planning Application Interface with the site at the west of Lam Tei Subject:

Irrigation Reservoir, Tuen Mun [CLP][880.127.2188]

Dear KM,

I append the location plan of Tower 4CPA36 and its footprint in the base map for your information. According to our understanding on the attached plan, the footprint of the tower is 16.6 x 15.4m and the Engineering Reserve is around 59.5 x 59.5m. [attachment "Tower 4CPA36.pdf" deleted by Pius HUGO/HYD/HKSARG]

As discussed just now, after the study by our consultant, we could only offset around 8m from the footprint of the tower and I note that you have no comment on the above proposal. Hence, we will work out the revised boundary for your record subsquently.

Thank you. Happy to discuss.

Regards, Pius HUGO



Annex B

Tree Survey Report

Major Works Project Management Office Highways Department of HKSAR

Agreement No. CE 13/2021 (HY)
Route 11 (Section between Yuen Long and
North Lantau) – Investigation

Application for Permission under Section 16 of the Town Planning Ordinance (Cap. 131) for New Permitted Burial Ground at Lam Tei - Tree Survey Report

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 284104

Ove Arup & Partners Hong Kong Ltd Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong Kowloon Hong Kong www.arup.com



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Appendices

Appendix A – Tree Survey Plan and Aerial Photo

Appendix B – Tree Group Assessment Schedule

Appendix C – Tree Group Photographs

Nomenclature and Abbreviations

AFCD	Agriculture, Fisheries and Conservation Department
DBH	Diameter at Breast Height
GB	Green Belt
IUCN	International Union for Conservation of Nature
OVT	Old and Valuable Trees
PBG	Permitted Burial Ground
TPI	Tree of Particular Interest
TLCP	Tai Lam Country Park
TMRC	Tuen Mun Rural Committee
WAPO	Wild Animals Protection Ordinance

1 Introduction

1.1 Purpose of this Report

1.1.1 The purpose of this Tree Survey Report is to record the existing trees and to identify any OVTs or other TPIs if found within the application site boundary of this S16 planning application.

1.2 Structure of this Report

- 1.2.1 This Report provides a general description of the project and surveyed area, tree survey methodology, tree survey findings as well as:
 - (a) Tree Survey Plan and Aerial Photo (**Appendix A**)
 - (b) Tree Group Assessment Schedule (**Appendix B**)
 - (c) Tree Group Photographs (**Appendix C**)
- 1.2.2 All existing trees and tree groups located within the application site boundary have been recorded and assessed. Tree survey methodology and the criteria on assessing tree condition is provided in **Chapter 2**. A general description on the species and quantity of surveyed trees is provided in **Chapter 3**.

2 Tree Survey Methodology

2.1 Statutory and Technical Guidelines

- 2.1.1 In preparation of the Report, reference has been made to the following technical circulars, practice notes and publications:
 - Town Planning Ordinance and Town Planning (Amendment) Ordinance (Cap.131);
 - Country Park Ordinance (Cap. 208);
 - Forests and Countryside Ordinance (Cap.96);
 - Protection of Endangered Species of Animals And Plants Ordinance (Cap 586);
 - Related Statutory Plans, e.g. Outline Zoning Plans;
 - All relevant OSH legislation, including but not limited to Occupational Safety and Health Ordinance (Cap. 509), Factories and Industrial Undertakings Ordinance (Cap. 59), Electricity Ordinance (Cap. 406) and their subsidiary regulations;
 - Landscape Value Mapping Study in Hong Kong;
 - Hong Kong Planning Standards and Guidelines (HKPSG) (Ch. 4, 10 & 11);
 - DEVB TC(W) No. 2/2011 Encouraging the use of recycled and other Green Materials in Public Works Projects;
 - DEVB TC(W) No. 9/2020 Blue-Green Drainage Infrastructure;
 - DEVB TC(W) No. 5/2020 Registration and Preservation of Old and Valuable Trees;
 - DEVB TC(W) No. 4/2020 Tree Preservation;
 - DEVB TC(W) No. 1/2018 Soft Landscape Provisions for Highway Structures Greening on Footbridges and Flyovers;
 - DEVB TC(W) No. 5/2017 Community Involvement in Planting Works;
 - ETWB TCW No. 6/2015 Maintenance of Vegetation and Hard Landscape Features:
 - DEVB TC(W) No. 2/2012 Allocation of Space for Quality Greening on Roads;
 - DEVB TCW No.3/2012 on Site Coverage of Greenery for Government Building Projects;
 - ETWB TCW No. 36/2004- The Advisory Committee on the Appearance of Bridges and Associated Structures (ACABAS);
 - ETWB TCW No. 5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works;
 - CEDD TC No. 03/2022 Tree Works Vetting Panels;

- CEDD TC No. 12/2019 Guidelines for Making Submissions to the Advisory Committee on the Appearance of Bridges and Associated Structures;
- Civil Engineering and Development (2020) General Specifications for Civil Engineering Works, Sections 3 and 26;
- GEO Publication 1/2011 Technical Guidelines on Landscape Treatment for Slopes;
- GEO Publication (2017) Highway Slope Manual, Chapters 6 and 8;
- GEO Report No. 56 (1999) Application of Prescriptive Measures to Slopes and Retaining Walls, 2nd Edition;
- GEO Report No. 116 (2001) Review of Effective Methods of Integrating Man made Slopes and Retaining Walls (Particularly for Roadside Slopes) into Their Surroundings;
- GEO Report No. 136 (2003) Guidelines on Safe Access for Slope Maintenance;
- GEO Report No. 183 (2006) Performance Assessment of Greening Techniques on Slopes;
- GEO Report No. 248 (2009) Planting Trial at Yuen Tun and Performance Assessment of Vegetation Species on 44 Man-Made Slopes;
- GEO Special Project Report No. SPR 7/2004 (2004) Identification of Suitable Vegetation Species for Use on Man-made Slopes;
- Transport Planning & Design Manual Vol. 2 Volume 2, Section 5.6 on Landscaping;
- Hong Kong Planning Standards and Guidelines (HKPSG) Chapter 4, Chapter 11 and Chapter 12;
- DEVB's Proper Planting Practice
 (http://www.greening.gov.hk/en/planting_knowledge/proper_planing practicest.html);
- DEVB's Street Tree Selection Guide (<u>https://www.greening.gov.hk/en/knowledge_database/street_tree_selection_guide.html</u>);
- DEVB's Guidelines on Soil Improvement (2022) (https://www.greening.gov.hk/filemanager/greening/en/content_77/Guidelines%20on%20Soil%20Improvement_2022Oct.pdf);
- Guidelines for Tree Risk Assessment and Management Arrangement (9th edition (Rev. 2A), 20 April 2021 or the latest version), GLTM of DEVB;
- Guidelines on Greening of Noise Barriers (4/2012), GLTM of DEVB;

- Highways Department Public Lighting Design Manual (Third Edition),
 Section 2.3.3.3 on Trees and Planters;
- Transport Planning & Design Manual Vol. 2 Volume 2, Section 5.6 on Landscaping;
- Highways Department Technical Circular No. 10/2001 Visibility of Directional Signs;
- Annex 5 (Tree Works Vetting Panel) of HyD GC No. 5/2016 "Technical Administrative Committees in Highways Department";
- HyD RD/GN/044C Guidance Notes on Design and Construction of Pavements with Paving Units (September 2022);
- HyD BS/GN/047 Guidelines Notes on Design of Covers for Walkways and Passenger Shelters;
- Requirements for Handover of Vegetation to Highways Department (2020 version);
- General Standards and Maintenance Requirements for Landscape Works to be Handed Over to LCSD for Horticultural Maintenance (2021);
- GLTMS, DEVB Guidelines on Tree Preservation during Development;
- GLTMS, DEVB Guidelines on Yard Waste Reduction and Treatment;
- GLTMS, DEVB Management Guidelines for Mature Trees;
- GLTMS, DEVB Guidelines for Tree Transplanting;
- GLTMS, DEVB Guidelines on Soil Volume for Urban Trees;
- GLTMS, DEVB Pictorial Guide to Plant Resources for Skyrise Greenery in Hong Kong;
- All other relevant guidelines and Proper Planting Practices published by GLTMS, DEVB;
- Hong Kong's Climate Action Plan 2030+, Environment Bureau;
- Study on Green Roof Application in Hong Kong (ArchSD, 2007); and
- Environmental Protection Department (EPD), 9/2019, Guidelines on Handling Yard Waste for Recycling and Disposal.

2.2 Tree Group Survey Methodology

- 2.2.1 In this Study, tree group survey is carried out to record and evaluate the general conditions of existing trees and to identify any OVTs or other TPIs if found, so as to provide baseline tree information for planning purpose. Any trees identified to have particular conservation value shall be studied for feasibility of preservation by retaining or transplanting.
- 2.2.2 Tree survey plans and aerial photos are included in **Appendix A**.
- 2.2.3 Tree group assessment schedule is included in **Appendix B**. This schedule presents the estimated number of trees within each tree group as estimated from site visits

and aerial photos, representative tree species, their percentage composition, size ranges as well as general tree conditions.

- 2.2.4 Representative tree group photographs are included in **Appendix C**. The location and direction where each photo taken is shown on the tree group survey plans in **Appendix A**.
- 2.2.5 For trees within each tree group, the following information and characteristics were noted:
 - Tree group reference number;
 - Estimated total no. of trees;
 - Representative and any special tree species;
 - Conservation status for each tree species;
 - Estimated number of trees for each tree species;
 - Typical size range (height, DBH and crown spread) for each tree species;
 - Amenity value for each tree species;
 - Form for each tree species;
 - Health for each tree species;
 - Structural condition for each tree species;
 - Suitability for transplanting and remarks for each tree species; and
 - Additional remarks.
- 2.2.6 If any OVTs or Trees of Particular Interest (TPI) are found during the tree group survey, they will be individually surveyed and assessed accordingly.

2.3 Assessment of Value

2.3.1 **Amenity Value**

"Amenity Value" is graded as **High**, **Medium** and **Low**, with High being the highest grade and Low the lowest grade. Factors that are taken into consideration include:

- Species characters: whether the species has attractive form, foliage, flowers or fruits.
- Functional value: the tree's ability to provide functions like shade, shelter, screening, reduction of pollution and noise, etc.
- Significance to Surrounding: whether the tree has high visual value to the specific location (e.g. landmark tree) or Fung Shui significance.
- Tree condition including size, form, health and structure.
- Other special conditions: whether the tree is a OVT or TPI.

The grading of "Amenity Value" is classified as follows:

High: Landmark tree of large size, good form and no major health and/or

structural problem; rare or precious species in good to fair condition;

tree of Fung Shui significance.

Medium: Common amenity tree with good to fair form, health and structural

condition. Rare or precious species or Fung Shui tree in poor condition.

Low: Undesirable species (e.g. *Leucaena leucocephala* which is an invasive

exotic tree). Tree of wild growth in poor condition. Tree with poor

form, health and/or major structural problem.

2.3.2 **Form**

Assessment of "Form" is classified as follows:

Good: Tree of well-balanced form, well-shaped crown, good branch

scaffolding, high live crown ratio. Trunk intact, not topped, with good taper; for excurrent species a straight and upright leader; for decurrent species well distributed primary branches. Specimen tree that is an

excellent representative of its species.

Average: Tree of generally balanced form, generally upright trunk with good

taper, evenly branched; medium live crown ratio; tree more or less in

accordance with the standard form for its species.

Poor: Tree of unbalanced form; leaning, crooked, bending trunk; multiple

trunks or closely spaced competing leaders; tree suffering from loss of major branches, topped trunk; tree growing close to adjacent trees or

structures with poor taper and low live crown ratio.

2.3.3 **Health**

Based on the below criteria, the classification of "Health" is as follows:

Good: Tree with no apparent health problem.

Average: Tree with small amount of health problems and a high chance of

recovery.

Poor: Tree with serious health problems and with a low chance of recovery,

even with remedial measure.

The "Health" of a tree is assessed according to the following criteria:

• Foliage and Twigs:

- o general tree vigour;
- whether the leaf density, colour and size is typical for the species at the season;
- o evidence of poor shoot growth, dieback twigs and epicormics; and
- o signs of pest and disease.

• Branches:

presence and amount of dead branches;

- o decay and/or open cavity on branches;
- wounds or mechanical damage on branches;
- o bleeding or sap flow; and
- o signs of pest, disease and fungal fruiting bodies.

• Trunk:

- decay and/or open cavity on trunk;
- o wounds or mechanical damage on trunk;
- o abnormal bark crack, bleeding or sap flow; and
- o signs of pest, disease and fungal fruiting bodies.

• Root:

- evidence of root rot, cracks or splits;
- o dead surface roots, exposed roots, mechanical injury; and
- o signs of pest, disease and fungal fruiting bodies.

• Climbers / Parasitic Plants:

o occurrence and coverage of aggressive climbers and/or parasitic plants.

2.3.4 **Structural Condition**

The classification of "Structural Condition" is as follows:

Good: Tree with no or insignificant structural problems.

Average: Tree with minor structural problems that can be tolerated, or that can be corrected with mitigation measures and a high chance of recovery afterwards.

Poor: Tree with serious structural problems that is not correctable, or requires severe pruning that would lead to extensive removal of live foliage, deformation of natural form, or large unrecoverable wound.

The "Structural Condition" of a tree is assessed according to the following criteria:

• Crown and Branches:

- o live crown ratio, symmetry of canopy, evidence of heavy crown load;
- o evidence of crown reduced, excessively thinned / topped / pollarded;
- o co-dominant branches / leaders, included bark;
- o crooks / abrupt bends;
- o decay and/or open cavity on branches;
- o dead branches, hangers, cross branches;
- o wounds, damages, cracks or splits; and
- heavy lateral limb / lion's tailing.

• Trunk:

- o degree of leaning;
- o co-dominant trunks, included bark;
- o crooks / abrupt bends;
- o wounds, damages, cracks or splits; and
- o decay, open cavity, abnormal bulge that may indicate internal rot.

Root:

- root flare condition;
- o girdling roots;
- o soil cracks or root plate movement; and
- o evidence of restricted rooting area, disturbed roots.

2.3.5 **Suitability for Transplanting**

The classification of "Suitability for Transplanting" is as follows:

High: Trees that are considered highly suitable for transplanting if necessary;

Medium: Trees that are considered fairly suitable for transplanting if necessary;

Low: Trees that are considered unsuitable for transplanting;

The "Suitability for Transplanting" of a tree is assessed according to the following criteria and the rationale elaborated in the "Remarks" column:

• Tree Size:

- O Generally the larger a tree, the more difficult to be transplanted in terms of logistics and engineering limitation.
- Trees of very large size should not be considered suitable for transplanting, unless the feasibility to transplant is considered financially reasonable and technically feasible.

• Maturity:

- The more mature a tree, the lower its post-transplant recovery power.
- Trees with evidence of over-maturity and onset of senescence should not be considered suitable for transplanting.

• Anticipated Form after Transplanting:

Trees anticipated to have irrecoverable form after transplanting (e.g. if substantial crown and root pruning are necessary to facilitate the transplanting) should not be considered suitable for transplanting.

• Health, Form and Structure:

Trees with unrecoverable health problem, structural problem or poor form should not be considered suitable for transplanting.

o If the tree is already in poor health, it is highly unlikely to withstand the stress of transplantation. By the same token, a tree that has a balanced form and is in good health has a higher feasibility of successful transplantation.

• Survival Rate of that Particular Species:

O Different tree species have different tolerance to the stress of transplantation and also have different post-transplant recovery rate. The assessment of the survival rate of a species after transplantation is based on the observed performance of that species in previous transplantation experiences. Species with insufficient transplantation data are assumed to have a low survival rate.

• Amenity Value, Desirability and other Particular Characters of that Particular Species:

O Species having low amenity value (e.g. *Ficus hispida* which is a short-lived wild growth), undesirable species (e.g. *Leucaena leucocephala* which is an invasive weed), species that are prone to pest / disease or having well-known maintenance problems (e.g. *Erythrina variegata* which is prone to erythrina gall wasps infestation) etc. are usually not considered for transplanting, unless there are exceptional characters of that particular tree that make it worthy to preserve.

• Feasibility of Rootball Preparation:

- Site topography, ground condition and physical impediments in proximity
 of above and below ground structures such as wall, utilities, manholes,
 rocks, foundations, or distance from other trees are all major factors
 determining the feasibility of rootball preparation.
- o For example, a tree growing on rock crevices is infeasible to be extracted with a proper rootball. A tree growing on sloped ground has tilted root system that is unsuitable for transplanting to flat area. A tree rooted close to structures, surrounded by hard paving or which is crowded by other trees is unlikely to obtain a sufficiently large rootball after root cutting.

• Accessibility:

- A proper access to the tree's existing location is required for personnel and machineries to safely carry out the transplanting works. A tree cannot be transplanted if it is growing on inaccessible areas such as steep slopes and/or areas without proper vehicular/machinery access.
- Topography of the proposed route, size limitation on public road transport, and any engineering limitations should also be considered.

2.3.6 **Conservation Status**

Indicates rarity and protection status under relevant ordinances of a species in Hong Kong. References are made from below publications and ordinances:

- AFCD Publication Rare and Precious Plants of Hong Kong (2003);
- Forests and Countryside Ordinance (Cap. 96);

- Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586); and
- IUCN Red List of Threatened Species.

If the species of the tree is listed in any of the above publications / ordinances, its conservation status is recorded.

3 General Description of Existing Trees

3.1 Tree Group Survey

- 3.1.1 A tree group survey was carried out in December 2023 to assess existing trees within the boundary of this S16 planning application.
- 3.1.2 Total 6 nos. of tree groups with a total estimated approx. 1,508 nos. of trees are recorded in this survey and are described below.
- 3.1.3 No Registered OVT nor other Tree of Particular Interest (TPI) is identified within the S16 application area.

3.2 General Description of Existing Trees

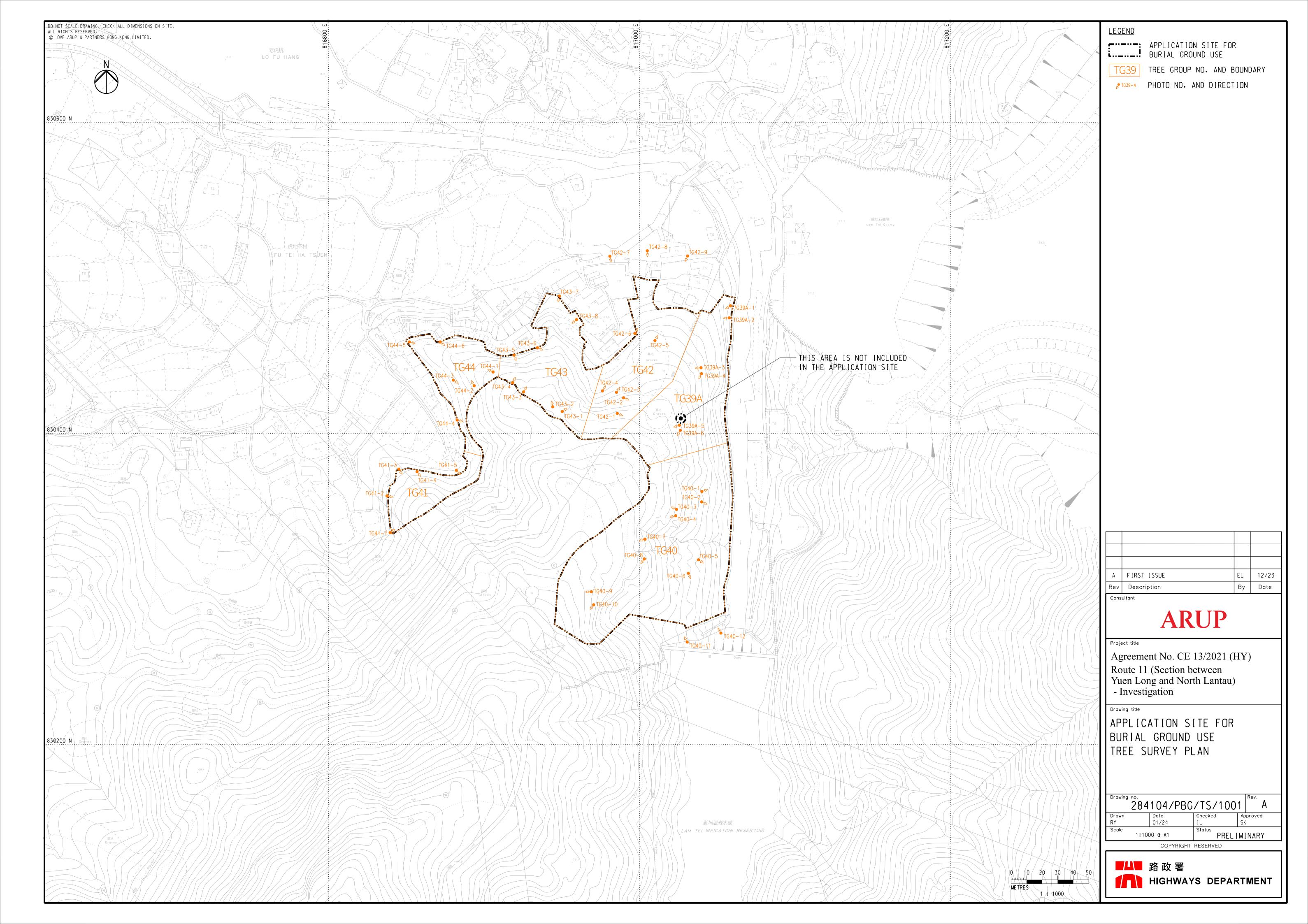
3.2.1 The surveyed area is located to the northwest of Lam Tei Irrigation Reservoir, and consist of eastward and northward facing hillsides covered with woodland/plantation with lush undergrowth. Apart from small portions of bare ground (as shown on the aerial photo in **Appendix A**), the whole area is otherwise densely vegetated with trees. Existing trees are largely dominated by the exotic woodland plantation species namely *Lophostemon confertus* and *Eucalyptus exserta* which account for over 75% of the total no. of recorded trees. The remaining trees consist of native wild growth like *Pinus massoniana*, *Schefflera heptaphylla*, *Sterculia lanceolata*, *Macaranga tanarius* var. *tomentosa*, *Ficus hispida*, *Acronychia pedunculata* as well as fruit trees like *Artocarpus heterophyllus*, *Averrhoa carambola*, *Carica papaya* etc. The surveyed trees are generally mature. All tree species recorded are common and widespread in Hong Kong; no tree belonging to species of conservation interest is recorded.

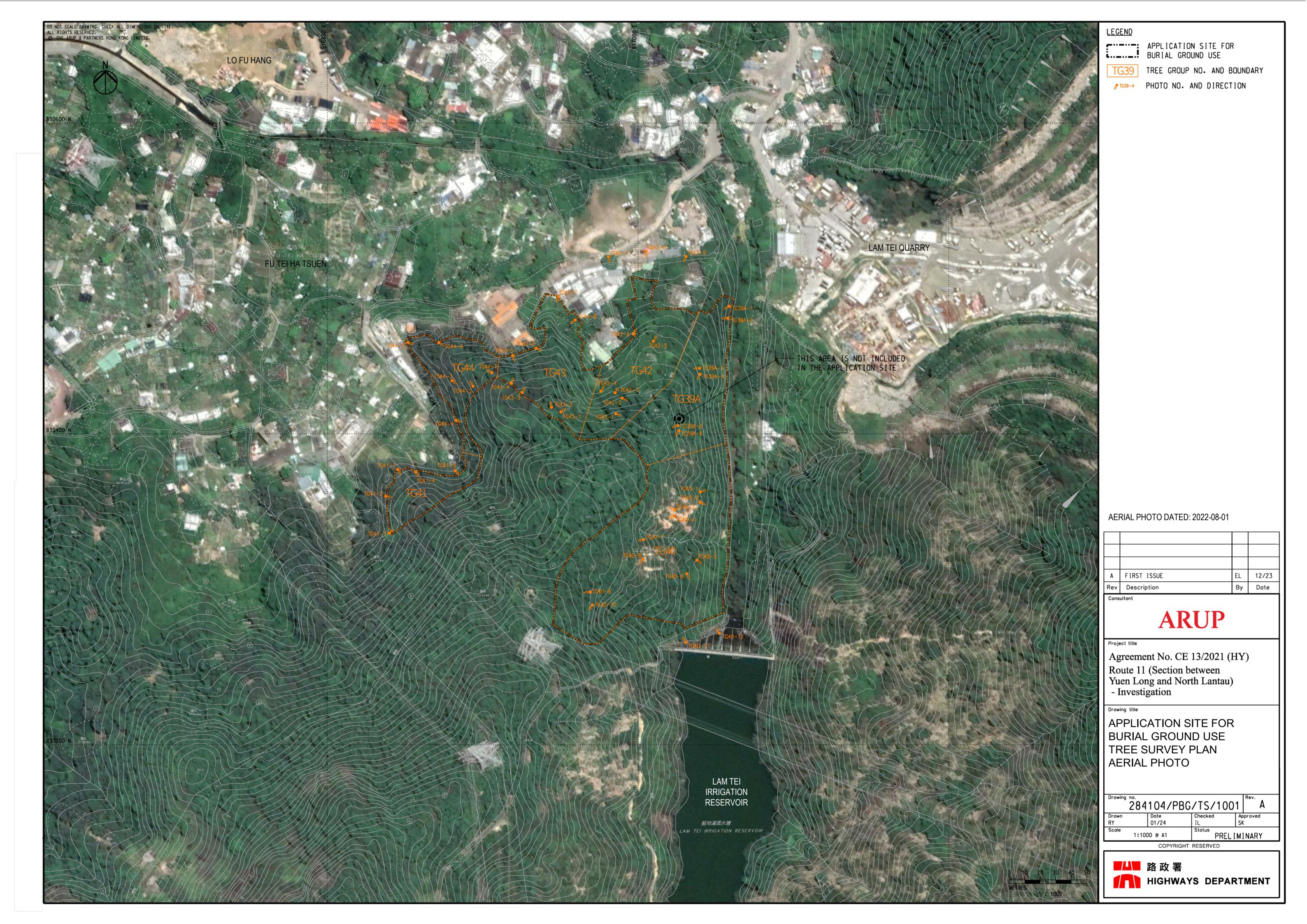
4 Conclusion

4.1.1 A total estimated 1,508 nos. of trees are recorded within the application site boundary of this S16 planning application. The application site consists of hillside woodland/plantation largely dominated by exotic woodland plantation species. All tree species recorded are common and widespread in Hong Kong. No Registered OVT nor other Tree of Particular Interest (TPI) is identified.

Appendix A

Tree Survey Plan and Aerial Photo





Appendix B

Tree Group Assessment Schedule

	Estimated	Representative Species						Typical Size			General Tree Condition menity (Good(G) / Average(A) / Poor(P))				oility for Transplanting		
Tree Group No.	Total no. of trees within group	Scientific Name	Chinese Common Name	Conservation Status	Estimated No. of Trees	Estimate % within group	Height (m)	DBH (mm)	Crown Spread (m)	Value (High(H) / Medium(M) / Low(L)	Form	Health	Structure	(High(H) / Medium(M) / Low(L))	Remarks	Recommen- dation *	Additional Remarks
TG39A	306	Lophostemon confertus	紅膠木	-	210	68.6%	6-12	100-430	3-6	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	Retain -	
		Schefflera heptaphylla	鵝掌柴	-	35	11.4%	5-8	120-380	5-8	L	Р	A	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Pinus massoniana	馬尾松	-	14	4.6%	4-7	100-180	3-5	L	Р	A	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Acronychia pedunculata	山油柑	-	7	2.3%	3-6	100-150	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Averrhoa carambola	楊桃	-	7	2.3%	5-8	150-280	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Ficus hispida	對葉榕	-	7	2.3%	4-6	120-230	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure	-	
		Microcos nervosa	破布葉	-	7	2.3%	3-8	110-180	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Sterculia lanceolata	假蘋婆	-	7	2.3%	3-5	100-150	2-4	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Syzygium jambos	蒲桃	-	7	2.3%	6-8	120-220	3-6	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Celtis sinensis	朴樹	-	4	1.3%	3-6	150-250	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Bombax ceiba	木棉	-	1	0.3%	10	350	5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
TG40	487	Lophostemon confertus	紅膠木	-	336	69.0%	6-12	100-300	3-6	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	Retain -	
		Pinus massoniana	馬尾松	-	98	20.1%	4-8	100-180	3-5	L	Р	A	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Acronychia pedunculata	山油柑	-	21	4.3%	3-6	100-210	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	[
		Casuarina equisetifolia	木麻黃	-	14	2.9%	5-10	100-380	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	[
		Melaleuca cajuputi subsp. cumingiana	白千層	-	7	1.4%	6-8	150-280	2-4	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	[
		Celtis sinensis	朴樹	-	7	1.4%	5-8	100-180	3-6	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Polyspora axillaris	大頭茶	-	4	0.8%	3-6	100-150	3-5	L	Р	A	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
TG41	112	Eucalyptus exserta	産 縁桉	-	98	87.5%	6-12	100-380	3-6	L	Р	A	P	L	On sloping ground; Low amenity value; Poor form / structure	Retain -	
		Acronychia pedunculata	山油柑	-	7	6.3%	3-6	100-180	3-5	L	Р	А	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
		Sterculia monosperma	 蘋婆	-	7	6.3%	5-8	100-210	3-6	L	Р	A	Р	L	On sloping ground; Low amenity value; Poor form / structure	-	
															,		

Tree Total no.	Estimated	Representative Species						Typical Size			General Tree Condition enity (Good(G) / Average(A) / Poor(P))			Suitab	ility for Transplanting		
	Total no. of trees within group	Scientific Name	Chinese Common Name	Conservation Status	Estimated No. of Trees	Estimate % within group		DBH (mm)	Crown Spread (m)	Value (High(H) / Medium(M) / Low(L)	Form	Health	Structure	(High(H) / Medium(M) / Low(L))	Remarks	Recommen- dation *	Additional Remarks
TG42	182	Lophostemon confertus	紅膠木	-	140	76.9%	6-12	100-300	3-6	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure	Retain	-
		Litchi chinensis	荔枝	-	14	7.7%	5-8	100-350	3-6	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Macaranga tanarius var. tomentosa	血桐	-	7	3.8%	3-6	180-250	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Mallotus paniculatus	白楸	-	7	3.8%	3-6	120-180	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Schefflera heptaphylla	鵝掌柴	-	7	3.8%	4-6	100-250	3-6	L	Р	A	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Zanthoxylum avicennae	5	-	7	3.8%	3-5	100-150	2-4	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
G43	168	Lophostemon confertus	紅膠木	-	112	66.7%	6-12	100-380	3-6	L	Р	A	Р		On sloping ground; Low amenity value; Poor form / structure	Retain	-
		Eucalyptus exserta	窿緣桉	-	28	16.7%	6-10	100-280	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Broussonetia papyrifera	構樹	-	7	4.2%	4-8	150-220	3-6	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Ficus hispida	對葉榕	-	7	4.2%	3-6	100-180	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Litsea glutinosa	潺槁樹	-	7	4.2%	3-6	120-600	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Macaranga tanarius var. tomentosa	血桐	-	7	4.2%	3-8	120-180	3-6	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
G44	253	Eucalyptus exserta	窿緣桉	-	140	55.3%	6-10	100-280	3-6	L	Р	A	Р		On sloping ground; Low amenity value; Poor form / structure	Retain	-
		Lophostemon confertus	紅膠木	-	70	27.7%	6-12	120-340	3-5	L	Р	A	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Artocarpus heterophyllus	菠蘿蜜	-	7	2.8%	5-8	120-150	3-6	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Carica papaya	番木瓜	-	7	2.8%	3-5	100-180	2-3	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Macaranga tanarius var. tomentosa	血桐	-	7	2.8%	3-8	120-180	3-5	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Mallotus paniculatus	白楸	-	7	2.8%	3-5	100-180	2-4	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Podocarpus macrophyllus var. maki	短葉羅漢松	-	7	2.8%	3-5	100-160	2-3	М	P-A	А	А	L	On sloping ground		Cultivated
		Schefflera heptaphylla	鵝掌柴	-	7	2.8%	4-6	100-250	3-6	L	Р	А	Р		On sloping ground; Low amenity value; Poor form / structure		-
		Ficus microcarpa	細葉榕	-	1	0.4%	10	650	8	L	Р	A	Р		On sloping ground; Low amenity value; Poor form / structure		-

Note on Recommendation *:

The current S16 Application of land use does not involve any construction works nor tree removal. In the operation stage, should any tree removal be involved, the respective burial applicant is required to obtain the consent from relevant departments in accordance with established protocols.

Appendix C

Tree Group Photographs







TG39A_View (1) TG39A_View (2) TG39A_View (3)







TG39A_View (4) TG39A_View (5) TG39A_View (6)







TG40_View (1) TG40_View (2) TG40_View (3)







TG40_View (4) TG40_View (5) TG40_View (6)







TG40_View (7) TG40_View (8) TG40_View (9)







TG40_View (10) TG40_View (11) TG40_View (12)







TG41_View (1) TG41_View (2) TG41_View (3)







TG41_View (4) TG41_View (5) TG42_View (1)







TG42_View (2) TG42_View (3) TG42_View (4)







TG42_View (5) TG42_View (6) TG42_View (7)







TG42_View (8) TG43_View (1)







TG43_View (2) TG43_View (3) TG43_View (4)







TG43_View (5) TG43_View (6) TG43_View (7)







TG43_View (8) TG44_View (1) TG44_View (2)

Photographic Record of Existing Trees - Tree Groups (Refer to Tree Survey Plan for location and direction of view)







TG44_View (3) TG44_View (4) TG44_View (5)



TG44_View (6)

Annex C

Ecological Impact Assessment Major Works Project Management Office Highways Department of HKSAR

Agreement No. CE 13/2021 (HY)
Route 11 (Section between Yuen Long and
North Lantau) – Investigation

Application for Permission under Section 16 of the Town Planning Ordinance (Cap. 131) for New Permitted Burial Ground at Lam Tei - Ecological Impact Assessment Report

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 284104

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Appendices

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Appendix 1.9	Freshwater Fauna Species Recorded within the Assessment Area

Nomenclature and Abbreviations

AFCD	Agriculture, Fisheries and Conservation Department
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
EcoIA	Ecological Impact Assessment
EIA	Environmental Impact Assessment
EIAO	Environmental Impact Assessment Ordinance
EIAO-TM	Technical Memorandum on Environmental Impact Assessment Process
GB	Green Belt
IUCN	International Union for Conservation of Nature
PBG	Permitted Burial Ground
TLCP	Tai Lam Country Park
TMRC	Tuen Mun Rural Committee
WAPO	Wild Animals Protection Ordinance

1 Introduction

1.1 Purpose of this Report

1.1.1 The purpose of this Ecological Impact Assessment Report is to identify the baseline condition of the application site, assess any ecological impact with the proposed land use, proposed necessary mitigation measure and evaluate the residual ecological impact to the proposed site for the S16 planning application.

1.2 Structure of this Report

- 1.2.1 This report presents the ecological impact assessment for the application site. It contains the following sections:
 - Section 1 gives an introduction of this report;
 - Section 2 lists out the relevant legislation, standards and guidelines;
 - Section 3 presents the literature review;
 - Section 4 describes the verification survey methodology;
 - Section 5 presents the ecological baseline conditions;
 - Section 6 presents the impact evaluation;
 - Section 7 presents the mitigation measures;
 - Section 8 presents the residual impacts;
 - Section 9 presents environmental monitoring and audit; and
 - Section 10 summarises and concludes the assessment.

2 Legislation, Standards, and Guidelines

2.1 General

- 2.1.1 The ordinances and associated regulations/guidelines of the Hong Kong Special Administrative Region, which are relevant to the present ecological impact assessment (EcoIA) report include the following:
 - Forests and Countryside Ordinance (Cap. 96) and its subsidiary legislation, the Forestry Regulations (Cap. 96A);
 - Wild Animals Protection Ordinance (WAPO) (Cap. 170);
 - Country Parks Ordinance (Cap. 208) and its subsidiary legislation;
 - Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM); and
 - Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586) and its subsidiary legislation.
- 2.1.2 The present EcoIA makes reference to the following guidelines and standards:
 - Hong Kong Planning Standards and Guidelines Chapter 10, "Conservation";
 - Planning, Environment &. Lands Branch Technical Circular No. 1/97 / Works Branch Technical Circular No. 4/97, "Guidelines for Implementing the Policy on Off-site Ecological Mitigation Measures";
 - EIAO Guidance Note No. 3/2010 Flexibility and Enforceability of Mitigation Measures Proposed in an EIA Report;
 - EIAO Guidance Note No. 6/2010 Some Observations on Ecological Assessment from the Environmental Impact Assessment Ordinance Perspective;
 - EIAO Guidance Note No. 7/2023 Ecological Baseline Survey for Ecological Assessment; and
 - EIAO Guidance Note No. 10/2023 Methodologies for Terrestrial and Freshwater Ecological Baseline Surveys.
- 2.1.3 This EcoIA also makes reference to the following Mainland legislation:
 - List of Wild Animals under State Priority Conservation, promulgated by the National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs; and
 - List of Wild Plants under the State Priority Conservation, promulgated by the National Forestry and Grassland Administration and the Ministry of Agriculture and Rural Affairs.
- 2.1.4 Other international conventions and guidelines that are relevant to this EcoIA report include the followings:
 - Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES);
 - International Union for Conservation of Nature (IUCN) Red List of Threatened Species; and

United Nations Convention on Biological Diversity.

2.2 Criteria of Evaluating Species of Conservation Importance

- 2.2.1 Species of flora and fauna with conservation importance will be given special attention. With reference to Table 3, Annex 8 of EIAO-TM, the ecological value of species will be assessed in terms of protection status, distribution and rarity. For faunal species, the protection status (e.g. fauna protected under WAPO (Cap. 170) (except birds as all wild birds are protected under the ordinance but their conservation importance is not equal), Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586), and/or regional/global laws/conventions), the species distribution (e.g. endemic), and the rarity (e.g. rare or very rare, or level of concern highlighted in Fellowes *et al.* (2002)) will be considered. Similarly, floral species of conservation importance will be considered from protection status (e.g. listed under Forestry Regulations and Cap. 586 in Hong Kong, listed by IUCN or CITES, or listed as Category I or II protected species in mainland China); species distribution (e.g. endemic); and rarity (e.g. considered rare or very rare by Corlett *et al.* (2000) and regarded as rare by Yip *et al.* (2010)). However, exotic species, escaped cultivars, captive species and vagrants will be excluded.
- 2.2.2 The following laws/regulations and conventions for conservation are relevant to the evaluation of the conservation importance of flora and fauna species:
 - IUCN Red List of Threatened Species;
 - China Plant Red Data Book;
 - China Red Data Book of Endangered Animals;
 - Category I or II protected species in mainland China in the List of Wild Animals and Plants under State Priority Conservation;
 - Threatened Species List of China's Higher Plants;
 - Red List of China's Vertebrates;
 - CITES;
 - Forestry Regulations (Cap. 96A) which are subsidiary legislation of the Forests and Countryside Ordinance (Cap. 96);
 - WAPO (Cap. 170) (except birds as all wild birds are protected under the ordinance but their conservation importance is not equal);
 - Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586);
 - PRC Wild Animal Protection Law;
 - Plant species considered 'Rare' or 'Very Rare' by Corlett *et al.* (2000), or regarded as "Rare" by Yip *et al.* (2010) where applicable; and
 - Fauna species considered of concern in Fellowes et al. (2002).

3 Literature Review

3.1 General

- 3.1.1 With reference to Section 5.1.2.1 of the Annex 16 of EIAO-TM, existing information regarding the Application Site and its vicinity is reviewed. Such information includes both published materials (books, journals, reports, registers, etc.) and those made available by government and non-government bodies. The publicly available information regarding the ecological characters of the assessment area is collated and summarized as follows.
- 3.1.2 The assessment area for the present study is partially covered by those of the following studies:
 - Tuen Mun Bypass (AEIAR-256/2023);
 - Route 11 (Section between Yuen Long and North Lantau) (AEIAR-255/2023);
 - Ground Investigation Works within Tai Lam Country Park for Route 11 (Section between Yuen Long and North Lantau) (DIR-295/2022);
 - Development at San Hing Road and Hong Po Road, Tuen Mun (AEIAR-227/2020);
 - Hung Shui Kiu New Development Area (AEIAR-203/2016);
 - Preliminary Land Use Study for Lam Tei Quarry and the Adjoining Areas Feasibility Study – WP6 – Preliminary Feasibility Assessments on Preferred Land Use Option (4th Batch Draft Submission);
 - Agreement No. CE 39/2018 (WS) Strategic Cavern Areas to Accommodate Existing and Proposed Service Reservoirs in Lam Tei and Adjoining Areas – Feasibility Study; and
 - Feasibility Study for the Agreement No. CE 51/2016 (HY) Route 11 (between North Lantau and Yuen Long)

3.2 Recognized Sites of Conservation Importance

3.2.1 Adopting the definition of recognized sites of conservation importance as delineated in Note 1 of Appendix A of EIAO-TM, the only recognized site of conservation importance falling within the assessment area is Tai Lam Country Park (TLCP).

Tai Lam Country Park

3.2.2 The fringe of TLCP is situated as close as 3m away from the Application Site (**Figure 1.1** and **Figure 1.1a**). TLCP, which was designated in 1979 and spans across Tsuen Wan to Tuen Mun, occupies 5,412 hectares of land in the western New Territories (AFCD 2023) and is located as close as 3m south of the Application Site. After deforestation during the Second World War, the area of the present TLCP has been intensively reforested with exotic pioneer tree species. Plantation stands of *Acacia confusa*, *Eucalyptus robusta*, *Lophostemon confertus*, *Pinus elliottii* and other exotic tree species were established throughout the territory of TLCP to reduce soil erosion, restore the landscape and protect water catchments. Native tree species, such as *Machilus* spp. and *Castanopsis fissa*, have also been gradually incorporated and planted, to replace the aging exotic plantations and to enhance biodiversity and thus the ecological value of TLCP.

Lam Tei Irrigation Reservoir and Hung Shui Hang Irrigation Reservoir are present within TLCP.

3.3 Important Habitats

3.3.1 Adopting the definition of important habitat as delineated in Note 2 of Appendix A of EIAO-TM, no important habitat falls within the assessment area.

3.4 Species of Conservation Importance

3.4.1 Species of conservation importance from the reviewed literature, which also fall within the assessment area of the Project, are tabulated in **Table 3.1** and illustrated in **Figure 1.2** and **Figure 1.2a**.

Table 3.1 Species of Conservation Importance from the Reviewed Literature

		Loc	cation 1234		Protection /	
Number	Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and Distribution in Hong Kong ^{56789 10 11 12}	Conservatio n status ^{8 9 10} 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Source 1234
Flora						
1	Tutcher's Maple Acer tutcheri	/	West of Lam Tei Irrigation Reservoir	Restricted. Distributed in forest.	Rare and Precious Plants of Hong Kong	Ecosystems (2021)
2	Incense Tree Aquilaria sinensis		North of Lam Tei Irrigation Reservoir	Common. Found in lowland forest and fung shui woods.	IUCN Red List of Threatened Species (2024): VU Appendix II of CITES Threatened Species List of China's Higher Plants: VU China Plant Red Data Book: VU Included in Illustrations of Rare & Endangered Plant in Guangdong Province Listed in "Rare and Precious Plants of Hong Kong"	ERM (2023) Ove Arup & Partners (2023)

		Location 1234			Protection /	
Number	Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and Distribution in Hong Kong ^{56789 10 11 12}	Conservatio n status ^{8 9 10} 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Source 1234
					State Protection (Category II)	
	D				Cap. 96A	ERM (2023)
3	Dense-flowered Geodorum Geodorum densiflorum	/	North of Lam Tei Irrigation Reservoir	Restricted. Distributed in grassland and forest edges.	Cap. 586	Ove Arup & Partners
					CITES Appendix II	(2023)
					Cap. 96A	ERM (2023)
4	Pitcher Plant Nepenthes mirabilis	/	Eastern periphery of Lam Tei Irrigation Reservoir East of Lam Tei	Common. Distributed in wet, open places on granite and sedimentary	Cap. 586	Ove Arup & Partners (2023)
			East of Lam Tei Irrigation Reservoir	rocks.	Appendix II of CITES	Ecosystems (2021)
						ERM (2023)
5	Red Azalea Rhododendron simsii	/	South of Lam Tei Quarry	Very common. Distributed in shrubland.	Cap. 96A	Ove Arup & Partners (2023)
Mammal					l	
6	Pallas's Squirrel Callosciurus erythraeus	/	Northwest of Lam Tei Quarry	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	Cap. 170	Ecosystems (2021)
7	Red Muntjac Muntiacus muntjak	/	Southwest of Lam Tei Irrigation Reservoir	Very common. Very widely distributed in countryside areas throughout Hong Kong.	Fellowes et al. (2002): PRC	ERM (2023) Ove Arup & Partners (2023)
						ERM (2023)
8	Japanese Pipistrelle Pipistrellus abramus	/	West of Lam Tei Irrigation Reservoir	Very common. Widely distributed throughout Hong Kong.	Cap. 170	Ove Arup & Partners (2023)
9	Chinese Noctule Nyctalus plancyi	Mixed woodland	/	Common. Fairly widely distributed in countryside areas throughout Hong Kong.	Fellowes et al. (2002): PRC, (RC) Cap. 170	Ove Arup & Partners (2023)
10	Unidentified bat	/	North of Lam Tei Irrigation Reservoir	/	Cap. 170	ERM (2023)

		Location 1234			Protection /	
Number	Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and Distribution in Hong Kong ^{5 6 7 8 9 10 11} 12	Conservatio n status ^{8 9 10} 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Source 1234
						Ove Arup & Partners (2023)
11	Bat Species 1	/	Lam Tei Irrigation Reservoir	/	Cap. 170	Ecosystems (2021)
Bird						
12	Black-throated Laughingthrush Garrulax chinensis	/	North of the Application Site West of Lam Tei Irrigation Reservoir East of the upstream leading to Lam Tei Irrigation Reservoir	Common resident. Widely distributed in woodland and shrubland throughout Hong Kong.	Class 2 Protected Animal of China	ERM (2023) Ove Arup & Partners (2023)
13	Black Kite Milvus migrans	Mixed woodland	East of the upstream leading to Lam Tei Irrigation Reservoir	Common resident and winter visitor. Widely distributed in Hong Kong.	Fellowes et al. (2002): RC Appendix 2 of CITES Cap. 586	ERM (2023) Ove Arup & Partners (2023)
14	Greater Coucal Centropus sinensis	/	Northwest of Lam Tei Quarry	Common resident. Widely distributed in Hong Kong.	Class 2 Protected Animal of China China Red Data Book: VU	ERM (2023) Ove Arup & Partners (2023)
15	Rufous-capped Babbler Stachyridopsis ruficeps	Mixed woodland	West of Lam Tei Quarry	Common resident. Found in Shing Mun, Tai Po Kau, Tai Mek Tuk, Ng Tung Chai, Fo Tan, Tai Mo Shan, The Peak, Kadoorie Agricultural Research Centre.	Fellowes et al. (2002): LC	ERM (2023) Ove Arup & Partners (2023)
16	White-throated Kingfisher Halcyon smyrnensis	/	Lam Tei Irrigation Reservoir	Common resident. Widely distributed in coastal areas throughout Hong Kong.	Fellowes <i>et al.</i> (2002): (LC)	ERM (2023) Ove Arup & Partners (2023)
Herpetofauna						
17	Chinese Bullfrog Hoplobatrachus chinensis	Mixed woodland	Watercourse downstream of Lam Tei Irrigation Reservoir	Widely distributed in Hong Kong.	Class 2 Protected Animal of China Fellowes et al. (2002): PRC Red List of China's Vertebrates: EN	ERM (2023) Ove Arup & Partners (2023)

		Loc	eation 1234		Protection /	
Number	Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and Distribution in Hong Kong ^{5 6 7 8 9 10 11} 12	Conservatio n status ^{8 9 10} 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Source 1234
18	Lesser Spiny Frog Quasipaa exilispinosa	/	South of Lam Tei Irrigation Reservoir Watercourse upstream of Lam Tei Irrigation Reservoir	Widely distributed in upland forest streams throughout Hong Kong.	Fellowes et al. (2002): PGC IUCN Red List of Threatened Species (2024): VU Red List of China's Vertebrates: VU	ERM (2023) Ove Arup & Partners (2023)
19	Many-banded Krait Bungarus multicinctus multicinctus	Mixed woodland	/	Common and widely distributed in Hong Kong.	China Red Data Book: VU Fellowes et al. (2002): PRC Red List of China's Vertebrates: EN	ERM (2023) Ove Arup & Partners (2023)
Butterfly						
20	Swallowtail Papilio xuthus	/	Southwest of Lam Tei Quarry	Rare. Kap Lung, Ma On Shan, Tai Tam, Sha Lo Wan, Kat O, Lung Kwu Tan, Wu Kau Tang, Lung Kwu Chau.	/	Ove Arup & Partners (2023)
Freshwater	fauna				1	•
21	Predaceous Chub Parazacco spilurus	/	Watercourse downstream of Lam Tei Irrigation Reservoir	Common. A widespread species occurring in most unpolluted hill streams in both upper and lower courses	China Red Data Book: VU	Ove Arup & Partners (2023) Meinhardt – Aurecon Joint Venture (2021)
22	Cryptopotamon anacoluthon	/	Watercourses upstream of Lam Tei Irrigation Reservoir	Widely distributed within Hong Kong; recorded throughout the New Territories, Hong Kong and Lantau Islands	IUCN Red List of Threatened Species (2024): VU Fellowes et al. (2002): PGC Endemic to Hong Kong	ERM (2023) Ove Arup & Partners (2023)
23	Nanhaipotamon hongkongense	/	Watercourse upstream of Lam Tei Irrigation Reservoir	Widely distributed within Hong Kong; recorded throughout the New Territories, Hong	Fellowes et al. (2002): PGC Endemic to Hong Kong	Ove Arup & Partners (2023)

		Location 1234			Protection /	
Number	Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and Distribution in Hong Kong ^{56789 10 11 12}	Conservatio n status ^{8 9 10} 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Source 1234
				Kong, Lamma and Lantau Islands		
24	Somanniathelphusa zanklon	/	Lam Tei Irrigation Reservoir	Distributed quite widely in the northern and western New Territories and Lantau Island of Hong Kong	Fellowes et al. (2002): GC IUCN Red List of Threatened Species (2024): EN Endemic to Hong Kong	ERM (2023) Ove Arup & Partners (2023)

Notes:

- Ecosystems (2021). Draft Ecological Survey Report of the Feasibility Study for the Agreement No. CE 39/2018 (WS) Strategic Cavern Areas to Accommodate Existing and Proposed Service Reservoirs in Lam Tei and Adjoining Areas.
- 2. Environmental Resources Management (2023). Approved Environmental Impact Assessment Report for Tuen Mun Bypass (AEIAR-256/2023).
- 3. Meinhardt Aurecon Joint Venture (2021). Preliminary Environmental Review Report (Final Rev. 5) of the Feasibility Study for the Agreement No. CE 51/2016 (HY) Route 11 (between North Lantau and Yuen Long).
- Ove Arup & Partners (2023). Approved Environmental Impact Assessment Report for Route 11 (Section between Yuen Long and North Lantau) (AEIAR-255/2023).
- 5. AFCD (2022). Species Database of Hong Kong Biodiversity Information Hub.
- 6. Corlett et al. (2000). Hong Kong Vascular Plants: Distribution and Status.
- 7. Chan et al. (2011). A review of the local restrictedness of Hong Kong Butterflies.
- 8. Shek (2006). A Field Guide to the Terrestrial Mammals of Hong Kong.
- 9. Stanton et al. (2018). Distribution of Nanhaipotamon hongkongense (Shen, 1940) (Crustacea: Brachyura: Potamidae), a freshwater crab endemic to Hong Kong.
- 10. Stanton & Leven. (2016). Distribution, habitat utilisation and conservation status of the freshwater crab, *Somanniathelphusa zanklon* Ng & Dudgeon, 1992 (Crustacea: Brachyura: Gecarcinucidae) endemic to Hong Kong.
- 11. Stanton et al. (2017). Distribution of Cryptopotamon anacoluthon (Kemp, 1918) (Crustacea: Brachyura: Potamidae), a freshwater crab endemic to Hong Kong.
- 12. Tam et al. (2011). The Hong Kong Dragonflies.
- 13. Convention on International Trade in Endangered Species of Wild Fauna and Flora. (2024). Appendices I, II and III.
- 14. Fellowes et al. (2002). Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong.
 - For conservation status listed by Fellowes et al. (2002), letters in parentheses indicate that the assessment is on the basis of restrictedness
 in breeding and/or roosting sites rather than in general occurrence.
- 15. Forestry Regulations (Cap. 96A), the subsidiary legislation of the Forests and Countryside Ordinance (Cap. 96).
- 16. Fu & Chin (1992). China Plant Red Data Book Rare and Endangered Plants.
- 17. Hu et al. (2003). Rare and Precious Plants of Hong Kong.
- 18. International Union of Conservation for Nature (2024). IUCN Red List of Threatened Species. Version 2023-1.
- 19. Jiang et al. (2016). Red List of China's Vertebrates.
- National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs. (2021). List of Wild Animals under State Priority Conservation.
- National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs. (2021). List of Wild Plants under the State Priority Conservation.
- 22. Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).
- 23. Qin et al. (2017). Threatened Species List of China's Higher Plants.
- 24. Wild Animals Protection Ordinance (Cap. 170)
- 25. Wu et al. (1988). Illustration of Rare & endangered plant in Guangdong Province.
- 26. Yue & Chen (1998). China Red Data Book of Endangered Animals: Pisces.
- 27. Zheng and Wang (1998). China Red Data Book of Endangered Animals: Aves.
- 28. Only protection/conservation status/protection status meeting the criteria of EIAO-TM are listed.
- 29. All wild birds are protected under WAPO (Cap. 170).

Abbreviations:

• EN: Endangered; GC: Global Concern; LC: Local Concern; NT: Near Threatened; PGC: Potential Global Concern; PRC: Potential Regional Concern; RC: Regional Concern; VU: Vulnerable

4 Verification Survey Methodology

4.1 Objective of the Verification Survey

- 4.1.1 Aiming at identifying any notable habitat changes, whether due to natural causes or human influence, in order to confirm that the results of the previously completed surveys for the approved EIA reports for Route 11 and Tuen Mun Bypass, the ecological survey programme of which ended in May 2023 and December 2022 respectively, are still valid and suitable for the impact assessment, verification surveys were carried out. Verification surveys focusing on the Application Site, and their vicinity are required for assessing potential ecological impacts in detail.
- 4.1.2 The assessment area includes all areas within 500m distance from the Application Site (**Figure 1.1**).

4.2 Programme

- 4.2.1 Verification surveys on habitat and vegetation, terrestrial mammals, avifauna, herpetofauna, butterflies, odonates, fireflies, freshwater community were undertaken within the assessment area in December 2023 and January 2024 (**Table 4.2**). The transects and sampling points for carrying out verification surveys are shown in the figure in **Appendix 1.1** and **Appendix 1.1a**.
- 4.2.2 The recommended months and methodology of conducting surveys for specific taxa have made reference to the EIAO GN No. 7/2023 "Ecological Baseline Survey for Ecological Assessment" and No. 10/2023 "Methodologies for Terrestrial and Freshwater Ecological Baseline Survey". The survey methodology for flora and each fauna group is described in the following sections.

Table 4.2 Verification Survey Programme

	2023	2024	
Types of verification survey	Dry season		
	December	January	
Habitat & vegetation	D		
Terrestrial mammal	D + N	D+N	
Avifauna	D + N	D+N	
Herpetofauna	D + N		
Butterfly	D		
Odonate	D		
Firefly	N		
Freshwater fish	D+N		
Freshwater invertebrates	D		

Abbreviations:

- D: Daytime; D + N: Daytime and night-time
- Fauna observed in surveys for other taxa (including daytime or night-time, within or beyond their active periods) were also recorded.

4.3 Methodology

Habitat and Vegetation

4.3.1 Habitats within the assessment area were mapped based on government latest aerial photos and field ground-truthing. Representative areas of each habitat type were surveyed

and verified on foot. Plant species of each habitat type encountered, and their relative abundance were recorded with special attention to species of conservation importance. The location(s) of any plant species of conservation importance encountered were recorded. Nomenclature and rarity of plant species in Hong Kong follow Corlett *et al.* (2000).

Terrestrial Mammal

- 4.3.2 **Non-Flying Mammal Survey** All sightings, tracks, and signs of mammals (including droppings) within the representative area within the assessment area were surveyed actively during daytime and night-time, covering dusk. The location(s) of any mammal species of conservation importance encountered were recorded, along with notable behaviour, such as feeding, nesting or breeding and the associated habitats. Night surveys were conducted to survey nocturnal mammal species (e.g. bats). Hand torch was used to search for the nocturnal mammals. Nomenclature and rarity of mammals follows Shek (2006).
- 4.3.3 **Bat Acoustics Survey** Acoustic survey was conducted for echolocating bats. Bat detector was adopted to locate bats, if necessary, and was conducted using a bat detector (Wildlife Acoustics Echo Meter Touch 2 PRO) along the transects. Attention was also given to potential foraging and drinking sites. The bat species were located upon the detection location of echolocation calls and from direct observation. The acoustic information (species-specific echolocation calls) was recorded for later analysis. All bat echolocation calls recorded were identified according to species-specific echolocation call structure, supplemented with direct observations (e.g. size, flying pattern, flight height and utilization of nearby habitats).

Avifauna

4.3.4 The avifauna of each habitat type within the assessment area was surveyed using transect count method during daytime and night-time, covering early morning and dusk. The presence and abundance of avifauna species at various habitats observed from transects (Appendix 1.1) were recorded visually and aurally. Bird species encountered outside sampling transects but within the assessment area were also recorded. Night surveys were conducted to record nocturnal avifauna (e.g. owls). The location(s) of any avifauna species of conservation importance encountered was recorded, along with notable behaviour, such as feeding, nesting or breeding and the associated habitats. Ornithological nomenclature follows the most updated List of Hong Kong Birds from the Hong Kong Bird Watching Society.

Herpetofauna

4.3.5 Herpetofauna were surveyed through direct observation and active searching in potential hiding places such as among leaf litter, inside holes, under stones and logs within representative areas of the assessment area. During the surveys, all reptiles and amphibians sighted and heard were recorded. Attention was paid on species-specific calls of frogs and toads during night surveys. The location(s) of any herpetofauna species of conservation importance encountered was recorded, along with notable behaviours, such as feeding, nesting or breeding and the associated habitats. The nomenclature and conservation status follow Karsen *et al.* (1998) and Chan *et al.* (2005).

Butterfly and Odonate

4.3.6 Butterfly and odonate surveys were conducted by transect count method. All the butterflies and odonates encountered and their abundance were recorded. Butterfly and odoante species encountered outside transects but within the assessment area were also

recorded. The location(s) of any butterfly and odoante species of conservation importance encountered were recorded, along with notable behaviours if any. The nomenclature and conservation status for butterflies and odonates follow Chan *et al.* (2011) and Tam *et al.* (2011) respectively.

Firefly

4.3.7 Firefly survey was carried out along the transects at dusk and night. During the survey, fireflies observed, including larvae and adults, were identified to the species level, where possible. The location of firefly species of conservation importance or any notable behaviour (e.g. breeding) were recorded. Nomenclature and conservation status of fireflies follow Yiu (2023).

Freshwater Community

4.3.8 Aquatic fauna, including freshwater macro-invertebrates (e.g. freshwater crabs, shrimps, freshwater molluscs and aquatic insect larvae) and fishes, in the channels and watercourses were studied by direct observation and active searching, at representative habitats within the assessment area. Sampling locations are shown in **Appendix 1.1**. Organisms were recorded and identified to the lowest possible taxon, and their relative abundance were reported. The location(s) of any freshwater fauna species of conservation importance encountered was recorded, along with notable behaviours if any. Nomenclature for fish follows Lee *et al.* (2004), while those for the macro-invertebrates follows Dudgeon (1999).

Ecological Baseline Conditions

5.1 Habitat

- 5.1.1 Eight types of habitats were identified within the assessment area, namely agricultural land, channel, developed area, mixed woodland, plantation, reservoir, shrubland/grassland and watercourse. A habitat map based on recent aerial photographs and detailed ground-truthing is given in **Figure 1.3** and **Figure 1.3a**. Photos of each habitat within the assessment area are enclosed in **Appendix 1.2**.
- 5.1.2 The size and length of habitats within the assessment area, where applicable, and that within the Application Site are tabulated in **Table 5.3**. Description of all types of habitats within the assessment area is given in **Section 5.1.3** to **Section 5.1.12**.

Table 5.3 Approximate Size and/or Length of Habitats within the Assessment Area

W-bia-a	Approximate size/leng	th of habitats (ha)/(km)
Habitat	Application Site	Within the assessment area
Agricultural land	/	7.80ha
Channel	/	0.55km
Developed area	/	45.62ha
Mixed woodland	2.30ha	33.59ha
Plantation	/	9.09ha
Reservoir	/	1.33ha
Shrubland/Grassland	/	23.33ha
Watercourse	/	2.04km
Total area (ha) (excluding channel and watercourses)	2.30ha	121.92ha

Notes

Agricultural Land

5.1.3 Agricultural land patches were found near Fu Tei Ha Tsuen. Cultivated by villagers nearby, wide areas of cultivated food crop (e.g. *Vigna unguiculata* subsp. *sesquipedalis*) and fruit tree species (e.g. *Citrus limonia*) were observed.

Channel

5.1.4 Channels within the assessment area include drainage channels near villages. Receiving rainwater from the hills and channelized to facilitate the discharge of stormwater and alleviate flooding issue, the narrow width, coupled with concrete bed and straightened banks, unfavour flora and fauna from colonizing and utilizing respectively.

Developed Area

5.1.5 Developed area includes residential estates (e.g. Fu Tai Estate), academic institutions (e.g. Lingnan University), roads and public facilities (e.g. Tuen Mun Fresh Water Primary Service Reservoir. They were intensively and incessantly disturbed. Generally concrete-paved, landscaping and ornamental species were prevalently grown, and weedy herbs

^{• &}quot;/" is used where no such habitat falls within the Application Site.

prospered in limited growing space. Developed area is found within the boundaries of most major works elements.

Mixed Woodland

- 5.1.6 Mixed woodland stands scattered throughout the assessment area (**Figure 1.3**). Compared to plantation, the mixed woodland was dominated by native tree species and interspersed with exotic tree species. The dominant flora is typical of lowland secondary forests in Hong Kong (e.g. *Aporusa dioica* and *Schefflera heptaphylla*). Where the canopy was dense enough, the understorey was dominated by shade-tolerant native shrub species (e.g. *Psychotria asiatica*) and saplings of native tree species found at the canopy level. A closed canopy was not contiguously observed and where light gaps were available, light-demanding shrub species (e.g. *Eurya nitida* and *Litsea rotundifolia* var. *oblongifolia*) and climber species (e.g. *Desmos chinensis*) were readily observed. On the other hand, due to the close proximity to existing villages, self-regenerated fruit tree species, such as *Dimocarpus longan*, were also commonly encountered.
- 5.1.7 The Application Site was entirely covered by mixed woodland, the canopy of which was dominated by exotic tree species, such as *Eucalyptus exserta* and *Lophostemon confertus* as tall as 12m. The mid-storey and understorey, however, were mainly dominated by native tree (e.g. *Acronychia pedunculata* and *Schefflera heptaphylla*) and shrub species. Numerous graveyards scattering within the Application Site were observed during the verification survey.

Plantation

5.1.8 Plantations stands were established on engineered slopes or hillslopes maintained by different government departments for landscaping screening and soil erosion prevention purposes (**Figure 1.3**). Monodominant stands of fast-growing exotic tree species, like *Acacia confusa* and *Pinus elliottii*, were established. Besides, the available growing space beneath the exotic trees were colonized by naturally recruited native tree, shrub, climber and herb species dispersed from nearby habitats. In TLCP, plantation dominated by *Acacia confusa* was found near Lam Tei Quarry.

Reservoir

- The only reservoir within the assessment area is Lam Tei Irrigation Reservoir (**Figure 1.3**), which is situated within TLCP. They are man-made waterbodies and mainly serve the purpose of storage of rainfall. Water level was maintained and droughting did not occur during the survey period.
- 5.1.10 Lam Tei Irrigation Reservoir adjoins the mixed woodland and shrubland/grassland nearby. Its periphery was bounded by rows of *Melaleuca cajuputi* subsp. *cumingiana*. They may have native freshwater fish species discharged from nearby natural watercourses and released exotic freshwater fish species.

Shrubland/Grassland

5.1.11 Shrubland/grassland was prominent in the exposed hillside (**Figure 1.3**) and was dominated by native shrub and herb species, particularly *Baeckea frutescens*, *Dicranopteris pedata*, *Rhodomyrtus tomentosa*. Scarce self-sown exotic trees, especially *Acacia confusa*, were also observed. *B. frutescens* and *D. pedata*, in particular, formed dense thickets.

Watercourse

5.1.12 Watercourses include those with natural bed and substrate. The upper sections were largely unmodified and scattered with boulders, discharging clear water flow to the lower

or lowland sections subject to more frequent sewage discharge by villagers and more intensive pollution. In general, the watercourses were lined with riparian vegetation/woodland which, at most, formed a semi-closed canopy. In most cases, the entire length of the watercourses was exposed to sunlight, except in their lowest reaches near villages.

5.1.13 No notable habitat change was observed during verification surveys as compared to previous survey results from Route 11 and TMB.

5.2 Vegetation

5.2.1 A total of 200 plant species were recorded within the assessment area, among which 126, 72 and 2 are known to be native, exotic and of unknown origin to Hong Kong respectively (**Appendix 1.4**). Among the plant species recorded within the assessment area, 64 of them could be found within the Application Site. *Aquilaria sinensis* was the only flora species of conservation importance recorded within the assessment area, but it falls outside the Application Site. Locations of the species of conservation importance are shown in **Figure 1.3** and **Figure 1.3a**, where appropriate. Photos of selected plant species of conservation importance are enclosed in **Appendix 1.3**. Plant species and their relative abundance within each habitat are listed in **Appendix 1.4**.

5.3 Mammal

- 5.3.1 6 mammal species were recorded within the assessment area, 5 of which are considered of conservation importance (**Appendix 1.5**). These 5 mammal species of conservation importance are all bat species and identified using bat detector. Locations of these species are shown in **Figure 1.3** and **Figure 1.3a**. The abundance of each mammal species recorded in each habitat within the assessment area is summed throughout the verification survey period and tabulated in **Appendix 1.5**.
- 5.3.2 Least Pipistrelle, the presence of which was confirmed by bat detector, is the only mammal species of conservation importance recorded within the Application Site (**Figure 1.3, Figure 1.3a** and **Appendix 1.5**). It produced echolocation calls for foraging purpose.
- No bat roosting or breeding site was recorded within the assessment area during the verification survey period.

5.4 Avifauna

5.4.1 17 bird species were recorded within the assessment area, 1 of which is of conservation importance. Among the 17 bird species recorded, 3 of them were recorded within the Application Site, none of which are of conservation importance. All recorded bird species are common and widespread in Hong Kong (**Appendix 1.6**). No breeding record, nesting or roosting location or behaviour was exhibited by the observed bird species. All wild birds are protected under WAPO (Cap. 170). Locations of the bird species of conservation importance is shown in **Figure 1.3** and **Figure 1.3a**. The abundance of each avifauna species recorded in each habitat within the assessment area is summed throughout the verification survey period and tabulated in **Appendix 1.6**.

5.5 Herpetofauna

5.5.1 Asian Common Toad is the only herpetofauna species recorded within the assessment area and is not of conservation importance (**Appendix 1.7**). No herpetofauna species was recorded within the Application Site. The abundance of each herpetofauna species

recorded in each habitat within the assessment area is summed throughout the verification survey period and tabulated in **Appendix 1.7**.

5.6 Butterfly

5.6.1 5 butterfly species were recorded within the assessment area in total, none of which are considered of conservation importance (**Appendix 1.8**). Butterfly species was not recorded within the Application Site during the surveys. The abundance of each butterfly species recorded in each habitat within the assessment area is summed throughout the verification survey period and tabulated in **Appendix 1.8**.

5.7 Odonate

5.7.1 Odonate species was not recorded within the assessment area during the verification surveys.

5.8 Firefly

5.8.1 Firefly species was not recorded within the assessment area during the verification surveys.

5.9 Freshwater Community

5.9.1 2 freshwater fauna species were recorded within the assessment area, 1 of which is of conservation importance (**Table 5.12** and **Appendix 1.9**). The location of this freshwater fauna species of conservation importance is shown in **Figure 1.3** and **Figure 1.3a**. The relative abundance of each freshwater fauna species recorded in channels or watercourses within the assessment area throughout the verification survey period is tabulated in **Appendix 1.9**.

5.10 Ecological Evaluation of Habitats and Species

5.10.1 The ecological survey results collected for the approved EIA reports for Route 11 and TMB, which were completed in May 2023 and December 2022, are considered recent enough to form part of the basis of ecological evaluation and valid for subsequent impact assessment. The ecological importance of all habitats within the assessment area was evaluated with reference to the criteria stipulated in Annex 8 of EIAO-TM (**Table 5.4** to **Table 5.11**).

Table 5.4 Evaluation of Agricultural Land within the Assessment Area

Criterion	Description		
Naturalness	Man-made		
Size	About 7.80ha		
Diversity	Low floral and faunal diversity		
Rarity	Neither flora nor fauna species of conservation importance was recorded during the verification surveys		
Re-creatability	Readily re-created		
Fragmentation	None observed		
Ecological linkage	No significant ecological linkage with the remaining habitats within the assessment area		
Potential value	Low under the current farming practices		

Criterion	Description	
Nursery/breeding ground	No significant nursery or breeding ground known or observed	
Age	Ecologically non-applicable	
Abundance/richness of wildlife	Low faunal abundance	
Overall ecological value	Low	

Table 5.5 Evaluation of Channel within the Assessment Area

Criterion	Description	
Naturalness	Man-made	
Size	About 0.55km	
Diversity	Low floral and faunal diversity	
Rarity	Neither flora nor fauna species of conservation importance was recorded during the verification surveys	
Re-creatability	Readily re-created	
Fragmentation	Characteristically found in the downstream sections of major watercourses to alleviate flooding risk near urban areas	
Ecological linkage	Hydrologically connected to the unmodified upstream and downstream watercourses	
Potential value	Low given its current engineering design, unless more diverse and natural substrate and banks are used and ecological enhancement features, such as natural substrate and fish ladder, are applied	
Nursery/breeding ground	None observed	
Age	Ecologically non-applicable	
Abundance/richness of wildlife	Low to medium abundance of amphibians and low abundance of the remaining fauna groups	
Overall ecological value	Low	

Table 5.6 Evaluation of Developed Area within the Assessment Area

Criterion	Description	
Naturalness	Man-made and subject to intensive and incessant anthropogenic disturbance	
Size	About 45.62ha	
	Low floral diversity, comprising a high proportion of exotic flora species	
Diversity	Low faunal diversity, mainly consisting of disturbance-tolerant and locally widespread fauna species	
	No flora species of conservation importance was recorded during the verification surveys	
Rarity	2 faunal species of conservation importance were recorded during the verification surveys: Greater Bent-winged Bat and Least Horseshoe Bat	
Re-creatability	Readily re-created	
Fragmentation	Developed area was found in different parts of the assessment area but is usually not functionally linked to adjacent habitats	

Criterion	Description	
Ecological linkage	Ecologically non-applicable	
Potential value	Very low, given the intensive and incessant anthropogenic disturbance	
Nursery/breeding ground	No significant nursery or breeding ground known or observed	
Age	Ecologically non-applicable	
Abundance/richness of wildlife	Low abundance in general, comprising mainly locally widespread and disturbance-tolerant species	
Overall ecological value	Very low	

Table 5.7 Evaluation of Mixed Woodland within the Assessment Area

Criterion	Description	
Criterion	Within the Application Site	Within the assessment area
Naturalness	Semi-natural, interspersed with native and exotic plant species	Semi-natural. Its fringes have been subject to frequent disturbance, owing to its vicinity of villages.
Size	About 2.30ha	About 33.59ha
Diversity	Medium floral diversity and le	ow to medium faunal diversity
Rarity	No floral species of conservation importance was recorded during the verification surveys	1 floral species of conservation important were recorded during the verification surveys Aquilaria sinensis
	1 fauna species of conservation importance was recorded during the verification surveys: Least Pipistrelle	4 fauna species of conservation importance were recorded during the verification surveys. Whiskered Myotis, Japanese Pipistrelle, Leas Pipistrelle and Greater Coucal
Re-creatability	Re-creatable but need time to mature	
Fragmentation	Mixed woodland occurs as separated stands near/in developed areas are subject to fragmentation, while those at hillside valleys have certain connection with adjacent natural habitats, including those in TLCP	
Ecological linkage	Ecologically connected to other natural habitats within TLCP	
Potential value	Low to medium for mixed woodland within and outside TLCP, acknowledging the protection status of those within TLCP but limited by the heavy fragmentation and absence of shade tolerant tree species indicative of more mature woodlands in Hong Kong	
Nursery/breeding ground	No significant nursery or breeding ground known or observed for all woodland	
Age	Vary, some may be over 30 years of age	
Abundance/richness of wildlife	Low abundance of different groups of fauna, possibly due to the small size of the Application Site, which was entirely covered by mixed woodland	Low abundance of different groups of fauna possibly because the woodland stands within the assessment area are fragmented and it edges are subject to frequent anthropogenic disturbance, thereby unfavouring fauna from inhabiting
Overall ecological value	Low to medium on the overall, fragmentation observed for some patches especially those outside TLCP. Potentially be higher for the mixed woodland within TLCP, which has been protected under the Country Parks Ordinance (Cap. 208) since 1979 and under management	

 Table 5.8
 Evaluation of Plantation within the Assessment Area

Criterion	Description	
Naturalness	Semi-natural, mainly comprising fruit tree species likely cultivated by villagers nearby and naturally recruited plant species	
Size	About 9.09ha	
Diversity	Low to medium floral diversity and low faunal diversity	
Rarity	Neither flora nor fauna species of conservation importance was recorded during the verification surveys	
Re-creatability	While planting is feasible, the in-planted species would take several decades to establish in the bsence of both natural and artificial disturbance (e.g. hill fires)	
Fragmentation	None observed	
Ecological linkage	No significant ecological linkage with the remaining habitats within the assessment area	
Potential value	Low	
Nursery/breeding ground	No significant nursery or breeding ground known or observed	
Age	At least 30 years of age	
Abundance/richness of wildlife	Low faunal abundance	
Overall ecological value	Low for those outside TLCP. Low to medium for those within TLCP, which has been protected and managed under the Country Parks Ordinance (Cap. 208) since 1979.	

Table 5.9 Evaluation of Reservoir within the Assessment Area

Criterion	Description	
Naturalness	Man-made	
Size	About 1.33ha	
Diversity	Low floral and faunal diversity	
	No floral species of conservation importance were recorded during the verification surveys	
Rarity	1 fauna species of conservation importance were recorded during the verification surveys: Greater Bent-winged Bat	
Re-creatability	Readily re-created	
Fragmentation	None observed	
Ecological linkage	Hydrologically connected to the upstream and downstream channels and/or watercourses	
Potential value	Low	
Nursery/breeding ground	Potentially nursery and breeding ground of amphibians, odonates and freshwater fauna, although no significant breeding behaviour was exhibited by those observed during surveys	
Age	Opened in 1957, but ecologically not applicable	
Abundance/richness of wildlife	High abundance of amphibians, odonates and freshwater fauna which are common and widespread in Hong Kong	
Overall ecological value	Low to medium	

Table 5.10 Evaluation of Shrubland/Grassland within the Assessment Area

Criterion	Description	
Naturalness	A natural habitat commonly found in the hillside of Hong Kong. Formed by natural succession from bare ground, with those outside TLCP and in the vicinity of developed area subject to more frequent disturbance and exhibiting lower naturalness.	
Size	About 23.33ha	
Diversity	Low floral and faunal diversity	
Rarity	Neither flora nor fauna species of conservation importance was recorded during the verification surveys	
Re-creatability	Readily re-created	
Fragmentation	Shrubland/grassland in Lam Tei is fragmented by developed area (e.g. villages).	
Ecological linkage	Contiguous shrubland/grassland connected to other habitats within TLCP (e.g. mixed woodland) and potentially providing corridor function among different areas Partial resemblance and interchange of certain native flora species with mixed woodland. Non-	
	preferential use of these two habitats by terrestrial fauna (e.g. mammals, butterflies and reptiles) as well.	
Potential value	Low for the shrubland/grassland outside TLCP, as its extent has largely remained unchanged and natural succession has been arrested as a result of topographical limitations (e.g. granitic substrate does not favour the colonization and establishment of many native tree species) and lack of seed sources of native tree species.	
	Potentially comparatively higher for those within TLCP, given the protection status and hill fire control may facilitate natural succession	
Nursery/breeding ground	No significant nursery or breeding ground known or observed	
Age	Extent and condition have largely remained unchanged at least over the last 30 years	
Abundance/richness of wildlife	Low abundance in general	
Overall ecological value	Low in general. Low to medium for the contiguous shrubland/grassland within TLCP, which has been protected under the Country Parks Ordinance (Cap. 208) since 1979.	

Table 5.11 Evaluation of Watercourse within the Assessment Area

Criterion	Description	
Criterion	Within TLCP	Outside TLCP
Naturalness	Mostly natural	More natural upstream connected to modified downstream to alleviate flood flow
Size	About 2.04km	
Diversity	Low floral diversity and low to medium faunal diversity	Low floral and faunal diversity
Rarity	Neither flora nor fauna species of conservation importance was recorded during the verification surveys	No floral species of conservation importance was recorded during the verification surveys 1 fauna species of conservation importance was recorded during the verification surveys: Predaceous Chub
Re-creatability	Natural sections are difficult to re-create, while modified sections can be re-created	

Contactor	Description	
Criterion	Within TLCP	Outside TLCP
Fragmentation	The lower courses of the watercourses are fragmented by modified section, although the stream flow is still maintained	
Ecological linkage	Mostly connected to the downstream section, channel and reservoir	Mostly connected to the upstream section, channel and reservoir
Potential value	Low to medium, no obvious sign suggesting that a higher diversity of freshwater-associated fauna, including amphibian, odonate and freshwater fauna species, can be supported	Low to medium, as the watercourses outside TLCP are generally modified and more susceptible to sewage and effluent discharge
Nursery/breeding ground	No significant nursery or breeding ground known or observed	
Age	Not ecologically applicable	
Abundance/richness of wildlife	Medium abundance of amphibians and freshwater fauna	
Overall ecological value	Medium	Low to medium

With reference to Table 3, Annex 8 of EIAO-TM, the ecological value of species recorded within the assessment area was assessed in terms of protection/conservation status (e.g. fauna protected under WAPO (except birds), and flora and fauna protected under regional/global legislation/conventions), species distribution (e.g. endemic), and rarity (e.g. rare or restricted). Flora and fauna species of conservation importance recorded within the assessment area were evaluated with reference to EIAO-TM.

Table 5.12 Evaluation of Species of Conservation Importance Recorded within the Assessment Area

		Location			
Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and distribution in Hong Kong ¹²³	Protection or conservation status 4 5 6 7 8 10 11 12 13 14 15 16	
Flora					
				IUCN Red List of Threatened Species (2024): VU	
				Appendix II of CITES	
				Threatened Species List of China's Higher Plants: VU	
Incense Tree				China Plant Red Data Book: VU	
Aquilaria sinensis	/	Mixed woodland	Common. Found in lowland forest and fung shui woods.	Included in Illustrations of Rare & Endangered Plant in Guangdong Province	
				Listed in "Rare and Precious Plants of Hong Kong"	
				Cap. 586	
				State Protection (Category II)	
Mammal					
Least Horseshoe Bat	/	Developed area	Uncommon. Widely distributed in forested areas	Fellowes et al. (2002): PRC, (RC)	
Rhinolophus pusillus		/	Developed area	throughout Hong Kong.	Cap. 170
Japanese Pipistrelle Pipistrellus abramus	/	Mixed woodland	Very common. Widely distributed throughout Hong Kong.	Cap. 170	
Whiskered Myotis Myotis muricola	/	Mixed woodland	Rare/Species of Conservation Concern. Only several records in the countryside areas in the New Territories and on Lantau.	Cap. 170	
Greater Bent-winged Bat		Developed one and order	Data deficient.	Fellowes et al. (2002): PRC	
Miniopterus magnater	/	Developed area and reservoir	Data deficient.	Cap. 170	

		Location		
Species	Within the Application Site	Outside the Application Site but within the assessment area	Rarity and distribution in Hong Kong ¹²³	Protection or conservation status 4567810111213141516
Least Pipistrelle Pipistrellus tenuis	Mixed woodland	Mixed woodland	Uncommon. Recent records were found in Nam Chung, Sheung Woo Hang, Shek Pik, Shing Mun and Plover Cove Country Park.	Cap. 170
Avifauna				
Greater Coucal	/	Mixed woodland	Common resident. Widely distributed in Hong Kong.	Class 2 Protected Animal of China
Centropus sinensis				China Red Data Book: VU
Freshwater community				-
Predaceous Chub Parazacco spilurus	/	Watercourse	A widespread species occurring in most unpolluted hill streams in both upper and lower courses.	China Red Data Book: VU

Notes:

- 1. AFCD (2022). Hong Kong Biodiversity Information Hub.
- 2. Corlett et al. (2000). Hong Kong vascular plants: distribution and status.
- 3. Shek (2006). A Field Guide to the Terrestrial Mammals of Hong Kong.
- 4. Convention on International Trade in Endangered Species of Wild Fauna and Flora (2024). Appendices I, II and III.
- 5. Fellowes et al. (2002). Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong.
 - For conservation status listed by Fellowes et al. (2002), letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
- 6. Fu & Chin (1992). China Plant Red Data Book Rare and Endangered Plants.
- 7. Hu et al. (2003). Rare and Precious Plants of Hong Kong.
- 8. International Union of Conservation for Nature. (2024). The IUCN Red List of Threatened Species. Version 2023-1.
- 9. National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs. (2021). List of Wild Plants under the State Priority Conservation.
- 10. National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs. (2021). List of Wild Animals under State Priority Conservation.
- 11. Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)
- 12. Qin et al. (2017). Threatened Species List of China's Higher Plants.
- 13. Wild Animals Protection Ordinance (Cap. 170)
- 14. Wu et al. (1988). Illustration of Rare & endangered plant in Guangdong Province.
- 15. Yue and Chen (1998). China Red Data Book of Endangered Animals: Pisces.
- 16. Zheng and Wang. (1998). China Red Data Book of Endangered Animals: Aves.

Abbreviations:

• Conservation Status: LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern; VU = Vulnerable

6 Impact Evaluation

6.1 Project Description

- 6.1.1 The provision of PBG in application site does not involve any site clearance, construction works, or erection of boundary fence. During the operational phase, approval of government must be obtained before any graves may be buried there.
- 6.1.2 The following sections address the potential ecological impacts during the operational phase.

6.2 Operational Phase – Direct Impacts

Minimal Habitat Loss

- 6.2.1 Currently, the Application Site is covered by mixed woodland of low to medium ecological value and is dominated by common native and exotic tree species. While the provision of the PBG would not involve any site clearance or construction works and thus would have no direct impact on the mixed woodland, it is anticipated that the new graves in the future would, making reference to the current conditions of the PBG Site No. BURGD22, be of limited extent and scale, scatter within the Application Site, and are mostly situated in areas close to developed area downhill. If it involves tree felling, consent from relevant authorities will be obtained. As tree felling, if unavoidably required, would be of limited number for each burial application and the graves will mostly scatter within the Application Site, the trees to be lost would also be isolated. Loss of a continuous patch of trees is not likely. There would not be significant loss of trees within the mixed woodland, and thus only minimal loss of mixed woodland is expected and such impact is considered **insignificant**.
- 6.2.2 Taking PBG Site No. BURGD22 as a reference, only less than 10% of the area is excavated for grave and burial urn usage. These graves and burial urns scatter. PBG Site No. BURGD22, despite the presence of graves and burial urns, has been largely covered with mixed woodland in the absence of significant natural or anthropogenic interference (e.g. hill fire).
- 6.2.3 Similar to the distribution of graves at PBG Site No. BURGD22, it is expected that burial of new graves to the Application Site, though may involve potential tree felling, is only anticipated to constitute to minimal habitat loss.

Harm/Mortality to Species of Conservation Importance/Wildlife

- A sapling of Incense Tree was recorded just outside the Application Site (**Figure 1.3** and **Figure 1.3a**). Direct impact on it will be avoided during the operational phase.
- 6.2.5 Least Pipistrelle, which is a bat species of conservation importance, flew over the Application Site during the verification survey period. Given its high mobility and the lack of evidence showing its fidelity to the Application Site (e.g. roosting sign), this species is not anticipated to be directly impacted during the operational phase.
- 6.2.6 From the reviewed literature, Chinese Noctule, Black Kite, Rufous-capped Babbler, Chinese Bullfrog and Many-banded Krait were recorded within the Application Site. Chinese Noctule, Black Kite, Rufous-capped Babbler and Many-

banded Krait are relatively mobile and there was no evidence demonstrating their fidelity to the Application Site. For Chinese Bullfrog, it generally inhabits aquatic habitats (e.g. downstream of Lam Tei Irrigation Reservoir as recorded in the reviewed literature) and the Application Site, which is entirely covered by mixed woodland, is not a typical habitat for this species. To sum up, it is not anticipated that direct impact will be exerted on Chinese Noctule, Rufous-capped Babbler, Chinese Bullfrog and Many-banded Krait during the operational phase.

6.3 Operational Phase – Indirect Impacts

Operational Disturbance

- During the operational phase, grave burial events may increase human activities, noise disturbance from machinery, and dust. Habitats and fauna nearby may be indirectly impacted. Animal usage in habitats in the vicinity of the Application Site may be deterred and there could be subsequent decrease in wildlife density. Given the proximity to the existing villages, and grave burial events will not occur constantly throughout a year, any significant increase in disturbance impacts from the grave burial activities is not anticipated. The increase in disturbance due to grave burial is considered **minor**.
- During the operational phase, potential disturbance impact may arise from grave sweeping, particularly in Ching Ming Festival and Chung Yeung Festival, may impose potential disturbance to mixed woodland within the Application Site, and surrounding fauna. The potential disturbance impacts from grave sweeping activities are expected to fluctuate and therefore not constant throughout a year. Besides, constant disturbance has been in place in villages (i.e. Fu Tei Ha Tsuen) near the Application Site. The resulting noise disturbance impact is considered minor.
- 6.3.3 No artificial lighting will be placed within the Application Site during the operational phase. Therefore, no light glare impact is expected.

Hill Fire

- 6.3.4 Grave sweeping, especially in Ching Ming Festival and Chung Yeung Festival, might involves burning of incense and other worshipping materials. Any unattended glowing materials may give rise to hill fires in suitable environmental conditions (e.g. low humidity and/or scarce rainfall) to start at the Application Site, and spread to habitats nearby, including those in TLCP.
- 6.3.5 Hill fire is a hazard of grave concern to habitats of relatively higher ecological value, such as mixed woodland, including those in TLCP. In the presence of Lam Tei Irrigation Reservoir and its upstream and downstream, the spread of potential hill fire will be topographically restricted to the western part of the assessment area.
- 6.3.6 With reference to the aerial photos taken in the last three decades, major changes in habitat have not occurred within the assessment area. In particular, the extent of mixed woodland has largely remained unaltered in the presence of graves within PBG Site No. BURGD22 and the Application Site, indirectly suggesting that major hill fires had not occurred for 30 years. The application site is of roughly the same habitat type, it is prudent to consider that the risk of hill fire remains low.

Nevertheless, using appropriate receptacles for burning joss sticks, joss paper, etc. is stated in the Certificate for Burial within PBG.

Absence of Habitat Fragmentation

- 6.3.7 No major animal movement was recorded near the Application Site. Thus, no habitat fragmentation impact is expected to arise during the operational phase.
 - Absence of Water Quality Impact
- 6.3.8 Grave burial will not discharge pollutants to watercourses nearby. Water quality impact is thus not anticipated during the operational phase.
 - <u>Potential Operational Phase Impacts on Recognized Site of Conservation Importance and Species of Conservation Importance</u>
- 6.3.9 Recognized Site of Conservation Importance: The only recognized site of conservation importance identified within the assessment area is TLCP, which is situated as close as 3m from the Application Site. Direct impact on it will be avoided during the operational phase. The disturbance effect is anticipated to be **minor**, given the minor scale of grave burial within the Application Site. Furthermore, with the requirement of using appropriate receptacles for burning joss sticks, joss paper, etc. stated in the Certificate for Burial within PBG, it is anticipated that the risk of potential fire hazards on TLCP is limited.
- 6.3.10 Species of Conservation Importance: The fauna species of conservation importance recorded may be indirectly impacted through disturbance by grave sweeping and potential tree felling. However, they are all mobile and can utilize habitats of the same kind nearby. The effect of operational disturbance on them will be temporary and **insignificant**.

7 Mitigation Measures

7.1 Avoidance

7.1.1 The provision of PBG in Application Site, which does not involve any site clearance nor construction works, will not encroach on recognized sites of conservation importance (i.e. TLCP). No ecological impact will be exerted on recognized sites of conservation importance.

7.2 Minimization

7.2.1 In minimization terms, the minimum separation distance between the graves to be buried and TLCP can be lengthened as far as practicable. The slope in the northern and northwestern portion of the Application Site is gentler and relatively more favorable for grave burial, which is also evidenced by the existing distribution of graves within the Application Site.

7.3 Compensation

7.3.1 As detailed in **Section 6.2.1**, only minimal loss of mixed woodland is expected. The resulting impact is considered **insignificant**. No compensation measure is required.

8 Residual Impacts

- 8.1.1 Residual ecological impacts refer to the ecological impacts which will still arise despite the adoption and implementation of ecological mitigation measures.
- 8.1.2 The identified indirect impacts during the operational phase would be of **minor** or **insignificant** magnitude. No unacceptable residual impact is anticipated during the operational phase.

9 Environmental Monitoring and Audit (EM&A)

9.1.1 The assessment presented above indicates that unacceptable operational phase impacts to ecological resources are not expected to occur. No ecological monitoring or audit requirement is considered necessary.

10 Conclusions

- 10.1.1 The ecological baseline has been established based on literature review and verification surveys conducted in December 2023 and January 2024. A total of 8 habitat types, including agricultural land, channel, developed area, mixed woodland, plantation, reservoir, shrubland/grassland and watercourse, were identified within the assessment area. The number of species of conservation importance recorded within the Application Site were limited.
- 10.1.2 The provision of PBG site in application site does not involve any construction works, and ecological impacts are anticipated to only occur during the operational phase. Ecological impacts due to operational disturbance and hill fire during the operational phase are all considered **minor** in nature. The impact on recognized sites of conservation importance and species of conservation importance during the operational phase will either be **minor** or **insignificant** in nature. No specific ecological mitigation measure is considered necessary.

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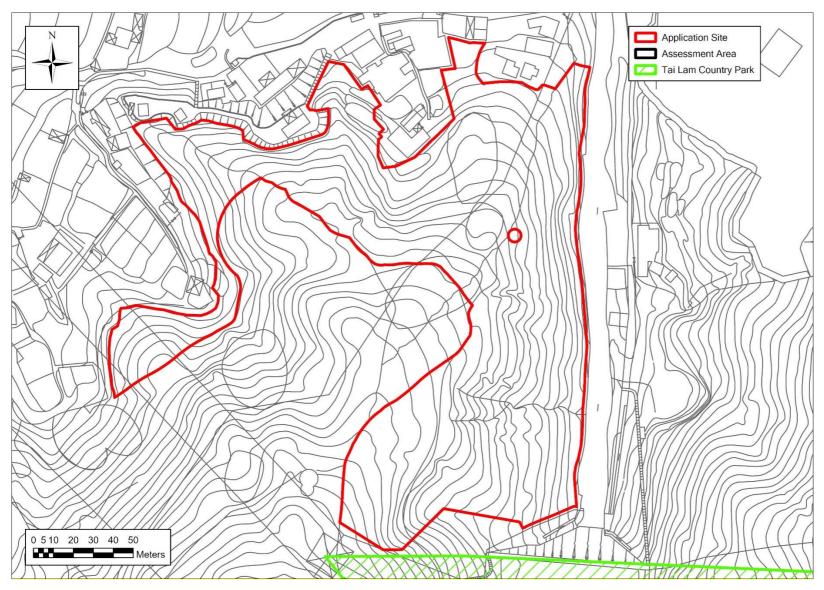
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Figures

Assessment Area Tai Lam Country Park

Figure 1.1 Location of Application Site, Assessment Area, and Recognized Sites of Conservation Importance

Figure 1.1a Zoom-in Extent of the Application Site



Application Site Assessment Area Z Tai Lam Country Park Species Acer tutcheri Aquilaria sinensis Geodorum densiflorum Nepenthes mirabilis Rhododendron simsii Bat Species 1 Chinese Noctule Japanese Pipistrelle Pallas's Squirrel Red Muntjac Unidentified bat Black Kite Black-throated Laughingthrush **Greater Coucal** Rufous-capped Babbler White-throated Kingfisher Chinese Bullfrog Lesser Spiny Frog Many-banded Krait Swallowtail Predaceous Chub Cryptopotamon anacoluthon Nanhaipotamon hongkongense Somanniathelphusa zanklon

Figure 1.2 Location of Species of Conservation Importance from the Reviewed Literature

Location of the Reviewed Species of Conservation Importance within and in the vicinity of the Application Site Figure 1.2a Application Site Assessment Area Z Tai Lam Country Park Species Aquilaria sinensis Geodorum densiflorum Chinese Noctule Unidentified bat Black Kite Black-throated Laughingthrush Rufous-capped Babbler Chinese Bullfrog Many-banded Krait Predaceous Chub 0 5 10 20 30 40 50

Figure 1.3 Habitats and Species of Conservation Importance Recorded within the Assessment Area during the Verification Surveys

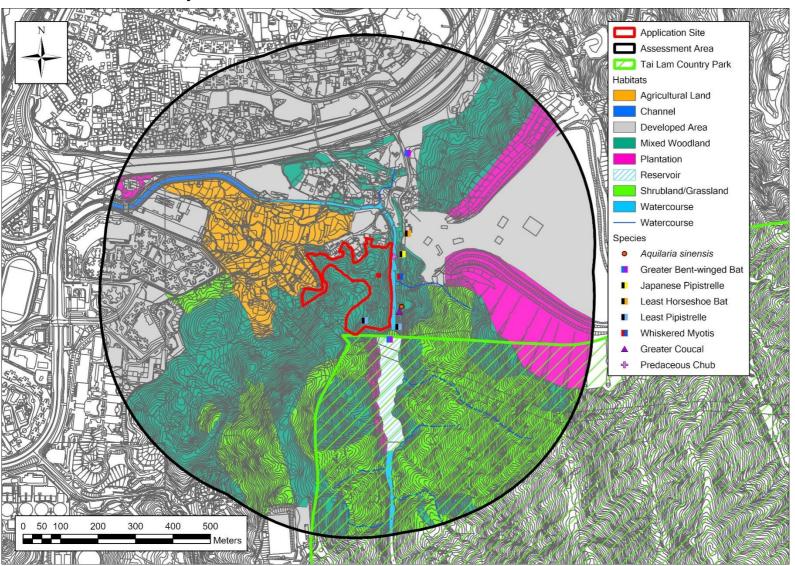
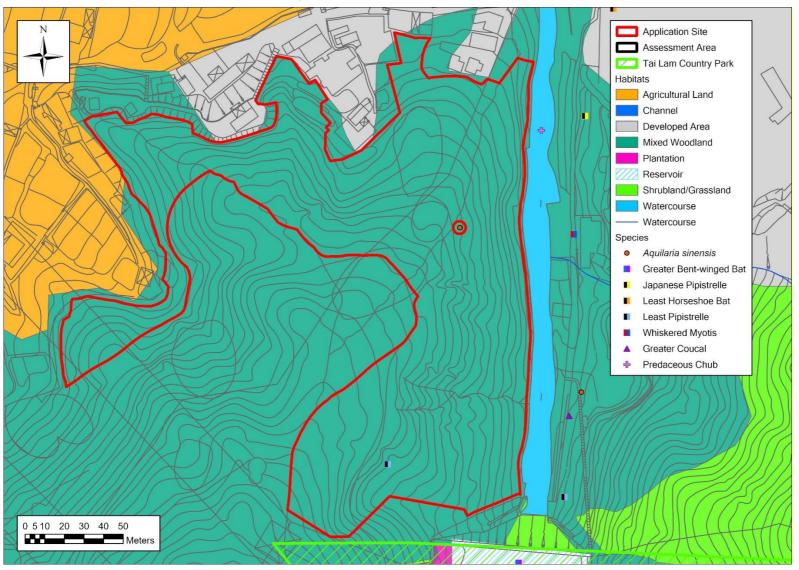
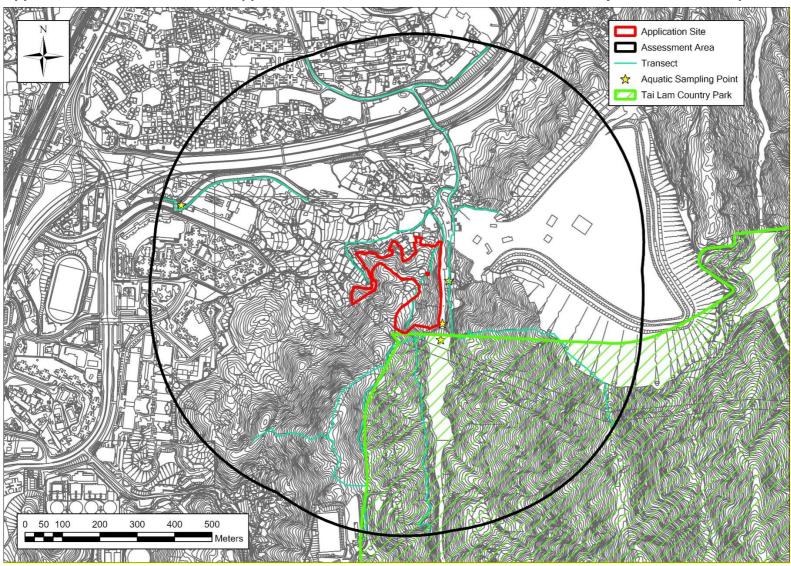


Figure 1.3a Habitats and Species of Conservation Importance Recorded within and in the vicinity of the Application Site during the Verification Surveys

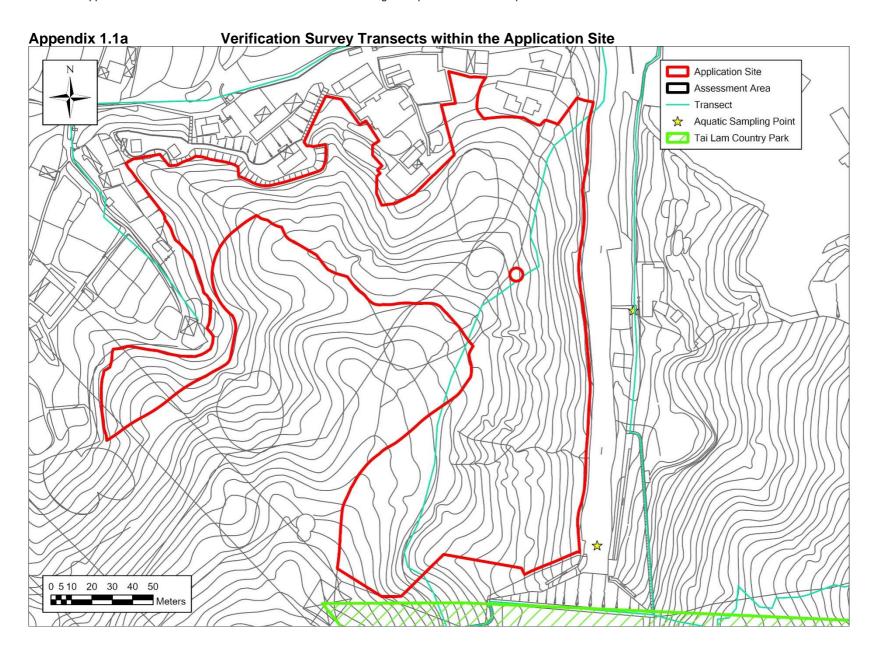


Location of Application Site, Assessment Area, Ecological Survey Transects and Sampling Points

Appendix 1.1 Location of Application Site, Assessment Area, Verification Survey Transects and Aquatic Sampling Points



Note: Please refer to Appendix 1.1a for the zoom-in extent of the Application Site

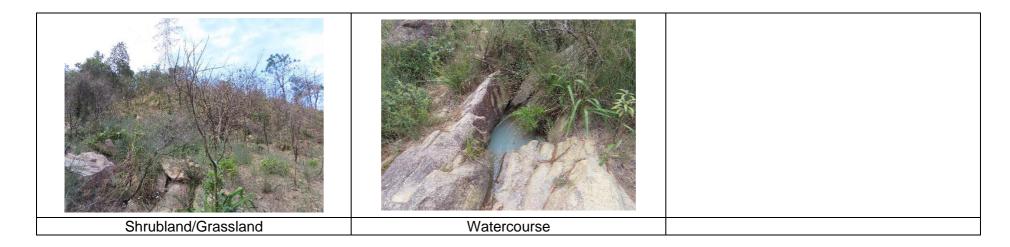


Photos of the Habitats within the Assessment Area

Appendix 1.2 Photos of the Habitats within the Assessment Area



Route 11 (Section between Yuen Long and North Lantau) – Investigation Section 16 Application for New Permitted Burial Ground at Lam Tei - Ecological Impact Assessment Report



Photos of Selected Species of Conservation Importance Recorded within the Assessment Area during the Verification Surveys

Appendix 1.3 Photos of Selected Species of Conservation Importance Recorded within the Assessment Area during the Verification Surveys

vermoanon carveys	
Flora	
Aquilaria sinensis	

Plant Species Recorded within the Assessment Area

Appendix 1.4 Plant Species Recorded within the Assessment Area

Number	Scientific name	Growth form	Origin	Rarity and distribution in Hong Kong ¹	Protection or conservation status ²³⁴⁵⁶⁷⁸⁹	Relative abundance in each habitat within the Application Site	Rela	Relative abundance in each habitat within the assessment area						
				Tiong Rong		MW	AL	С	DA	MW	Р	R	S/G	W
1	Acacia confusa	Tree	Exotic	=	-				С		С		S	
2	Acronychia pedunculata	Tree	Native	Very common	-	S			S	С				
3	Adinandra millettii	Shrub	Native	Common	-				S					
4	Agave americana var. marginata	Herb	Exotic	-	-				S					
5	Ageratum conyzoides	Herb	Exotic	Common	-				S					
6	Alocasia macrorrhizos	Herb	Native	Very common	-				S			1		0
7	Alocasia macrorrhizos	Herb	Native	Very common	-	S	S		0	0		1		
8	Alternanthera pungens	Herb	Exotic	=	-				S			1		
9	Alyxia sinensis	Climber	Native	Common	-				O	S		1		
10	Amaranthus viridis	Herb	Native	Very common	-	S			O	S		1		
11	Annona squamosa	Tree	Exotic	=	-				0			1		
12	Aporosa dioica	Tree	Native	Very common	-				С	С				
					Cap. 586							l l		
					Rare and Precious Plants of Hong Kong China Plant Red Data Book: VU									
					Listed in Illustrations of Rare & endangered plant in Guangdong Province									
13	Aquilaria sinensis	Tree	Native	Common	Wild plant under State protection (category II)					S	S			
					Threatened Species List of China's Higher Plants: VU									
					IUCN Red List of Threatened Species (2024): VU									
					CITES Appendix II								ļ	
14	Artemisia indica	Herb	Native	=	-	S	0		0	S	S		S	
15	Artocarpus heterophyllus	Tree	Exotic	-	-	S			S	S				
16	Aster baccharoides	Herb	Native	Very common	-				S			1		
17	Baeckea frutescens	Shrub	Native	Very common	-				S			<u>. </u>	С	
18	Bambusa sp.	Herb	Unknown	-	-				S			<u>. </u>		
19	Bauhinia purpurea	Tree	Exotic	-	-				S			<u>. </u>		
20	Bauhinia x blakeana	Tree	Native	-	-		S		S	S				
21	Beta vulgaris	Herb	Exotic	-	-				S					
22	Bidens alba	Herb	Exotic	Very common	-				S			T		
23	Blechnum orientale	Herb	Native	Very common	-			S	С			T		
24	Bombax ceiba	Tree	Exotic	=	-	S			С	S				
25	Bougainvillea spectabilis	Climber	Exotic	=	-				S					
26	Brassica juncea	Herb	Exotic	-	-				0	0		i I		
27	Brassica oleracea var. italica	Herb	Exotic	-	-				0					
28	Breynia fruticosa	Shrub	Native	Very common	-				S			<u> </u>		1

Number	Scientific name	Growth form	Origin	Rarity and distribution in	Protection or conservation status ²³⁴⁵⁶⁷⁸⁹	Relative abundance in each habitat within the Application Site	Rela	Relative abundance in each habitat within the assessment area					ne	
				Hong Kong ¹		MW	AL	С	DA	MW	Р	R	S/G	W
29	Bridelia tomentosa	Shrub	Native	Very common	-				0		С		S	
30	Broussonetia papyrifera	Tree	Native	Very common	-	Ø			S	S				
31	Calliandra haematocephala	Shrub	Exotic	-	-				С	S				
32	Carica papaya	Tree	Exotic	-	-				С					
33	Cassia fistula	Tree	Exotic	-	-		S		0	S				
34	Cassytha filiformis	Climber	Native	Very common	-				S					
35	Castanopsis fissa	Tree	Native	Common	-				S					
36	Casuarina equisetifolia	Tree	Exotic	-	-	0				0				
37	Catharanthus roseus	Shrub	Exotic	Common	-	-			S					
38	Celtis sinensis	Tree	Native	Common	-	S		0	S	S				
39	Chloris barbata	Herb	Native	Very common	-		S	Ŭ	S					
40	Chrysophyllum cainito	Tree	Exotic	-	-				S				-	
41	Chukrasia tabularia	Tree	Exotic	_	-		0		Ö	S			-	
42	Citrus limonia	Tree	Exotic	_	-		S		S				-	
43	Citrus reticulata	Tree	Exotic	-	List of Wild Plants under State Priority Conservation: Class 2				S	S				
44	Clausena lansium	Tree	Exotic	-	-				S					
45	Clematis crassifolia	Climber	Native	Restricted	-				S					
46	Clerodendrum fortunatum	Shrub	Native	Common	-	S				S				
47	Coccinia grandis	Climber	Native	Very rare	-	S				С	S			
48	Cocculus orbiculatus	Climber	Native	Common	-		S			S				
49	Cordia dichotoma	Tree	Native	Restricted	-					S				
50	Cordyline fruticosa	Shrub	Exotic	-	-					S				
51	Cratoxylum cochinchinense	Tree	Native	Very common	-					S				
52	Cyclosorus parasiticus	Herb	Native	Very common	-					S				
53	Cymbopogon hamatulus	Herb	Native	Very common	-	С				0				
54	Cyperus difformis	Herb	Native	Rare	-					S				
55	Dalbergia millettii	Climber	Native	Common	Cap. 586 CITES Appendix II					S				
56	Daucus carota var. sativa	Herb	Exotic	-	-					S				
57	Delonix regia	Tree	Exotic	-	-					S				
58	Dendrotrophe varians	Climber	Native	Very common	-					S				
59	Desmodium styracifolium	Herb	Native	Very rare	-					S				
60	Desmos chinensis	Shrub	Native	Common	-					S				
61	Dianella ensifolia	Herb	Native	Very common	-	S				S	S		S	
62	Dicranopteris pedata	Herb	Native	Very common	-	-				S			C	
63	Dimocarpus longan	Tree	Exotic	Restricted	China Plant Red Data Book: VU List of Wild Plants under State Priority Conservation: Class 2 Threatened Species List of China's Higher Plants: VU					S				
64	Dioscorea cirrhosa	Climber	Native	Common	-					S				

65 66		form	Origin	Rarity and distribution in	Protection or conservation status ²³⁴⁵⁶⁷⁸⁹	in each habitat within the Application Site	Relative abundance in each habitat within the assessment area						ne	
				Hong Kong ¹		MW	AL	С	DA	MW	Р	R	S/G	W
66	Dypsis lutescens	Shrub	Exotic	i i	=					S				
~~	Eclipta prostrata	Herb	Native	Common	=					S				
67	Eleusine indica	Herb	Native	Very common	-					S				
68	Epipremnum aureum	Climber	Exotic	-	-		С			S				
69	Eragrostis atrovirens	Herb	Native	Common	-					S				
70	Eriobotrya japonica	Tree	Exotic	-	-					S				
71	Eucalyptus exserta	Tree	Exotic		-	С				0				
72	Eurya nitida	Shrub	Native	Very common	-					0				
73	Fagraea ceilanica	Shrub	Exotic	-	-					S				
74	Fallopia multiflora	Herb	Native	Restricted	-					S				
75	Ficus elastica	Tree	Exotic	-	-					S				
76	Ficus hirta	Shrub	Native	Common	-	S				S	S		0	
77	Ficus hispida	Shrub	Native	Very common	-	S				S	Ŭ			S
78	Ficus microcarpa	Tree	Native	Common	-		S			S				
79	Ficus pumila	Climber	Native	Very common	<u>-</u>	0	<u> </u>	1	 	C			S	<u> </u>
80	Ficus subpisocarpa	Tree	Native	-	-	- ŭ				S				
81	Ficus variegata var. chlorocarpa	Tree	Native	Common	-	S				S	s		С	
82	Ficus variolosa	Tree	Native	Very common	-					S				
83	Gahnia tristis	Herb	Native	Very common	-					S	0			
84	Garcinia oblongifolia	Tree	Native	Very common	-					S				
85	Gardenia jasminoides	Shrub	Native	Common	<u>-</u>	S				S				
86	Glochidion eriocarpum	Shrub	Native	Very common	<u>-</u>	S				S	S		S	-
87	Gnaphalium pensylvanicum	Herb	Native	-	-	0				0	3		S	
88	Gnetum luofuense	Climber	Native	Very common	-					S	S		S	
89	Gnetum parvifolium	Climber	Native	Common	-	0				Ō	S			
90	Gymnanthemum amygdalinum	Shrub	Exotic	-	-	С				С				
91	Gymnema sylvestre	Climber	Native	Very common	-	S				S				
92	Hedyotis corymbosa	Herb	Native	-	-	O				0				
93	Helicteres angustifolia	Shrub	Native	Very common	-	S				S				
94	Hibiscus rosa-sinensis	Shrub	Exotic	-	-					S			S	
95	Homalium cochinchinensis	Tree	Native	Common	-	0				0			С	
96	Hypserpa nitida	Climber	Native	Very common	-					S				
97	llex asprella	Shrub	Native	Very common	-	S				S				
98	llex pubescens	Shrub	Native	Very common	-	S				S				
99	Ixora chinensis	Shrub	Native	Restricted	-	S				S				
100	Jatropha integerrima	Shrub	Exotic	-	-					S				
101	Juniperus chinensis	Tree	Exotic	-	-					S			S	
102	Kyllinga polyphylla	Herb	Exotic	Common	-					S				
103	Lactuca sativa	Herb	Exotic	-	-					S				
104	Lantana camara	Shrub	Exotic	Very common	-					S	С		0	
105	Lasianthus chinensis	Shrub	Native	Common	-	S				S	S			
106	Lasianthus fordii	Tree	Native	-	-	<u> </u>				S				
107	Lemna minor	Herb	Native	Common	-	S				S			S	
107	Lepidosperma chinense	Herb	Native	Very common	- -	3				S			<u> </u>	—
109	Leucaena leucocephala	Tree	Exotic	Common	- -				 	S				
110	Ligustrum sinense	Tree	Native	Common	-			1		S				

Number	Scientific name	Growth form	Origin	Rarity and distribution in	Protection or conservation status ²³⁴⁵⁶⁷⁸⁹	Relative abundance in each habitat within the Application Site	Relative abundance in each habitat within the assessment area							ne
				Hong Kong ¹		MW	AL	С	DA	MW	Р	R	S/G	W
111	Lindernia rotundifolia	Herb	Exotic	-	-					S	S			
112	Lindsaea ensifolia	Herb	Native	Very common	-	S				S			S	
113	Lindsaea orbiculata	Herb	Native	Very common	-	0				0	С		S	
					China Plant Red Data Book: VU									
114	*Litchi chinensis	Tree	Exotic	Restricted	Threatened Species List of China's Higher Plants: EN	S				S			S	
115	Litsea cubeba	Shrub	Native	Common	-	S				S				
116	Litsea glutinosa	Tree	Native	Very common	-	S				S			0	
117	Litsea monopetala	Tree	Native	Restricted	-					S				
118	Litsea rotundifolia var. oblongifolia	Shrub	Native	Very common	-					S				
119	Livistona chinensis	Tree	Exotic	-	Threatened Species List of China's Higher Plants: VU					S				
120	Lophatherum gracile	Herb	Native	Very common	-					S				
121	Lophostemon confertus	Tree	Exotic	-	<u>-</u>	С				C				
122	Lycopersicon esculentum	Herb	Exotic	-	-	S				s				
123	Lygodium japonicum	Herb	Native	Very common	_	S				S				
123	Macaranga tanarius var.	Tree	Native	Common	-	S				S				
	tomentosa							_						
125	Mallotus repandus	Climber	Native	Common	-	S		S		S			S	
126	Mallotus paniculatus	Tree	Native	Very common	-	S				S				
127	Mangifera indica	Tree	Exotic	-	-	0				S			S	
128	Melaleuca cajuputi subsp. Cumingiana	Tree	Exotic	-	-	0				S	С		С	
129	Melastoma malabathricum	Shrub	Native	Common	-	S				S	S		S	
130	Melastoma sanguineum	Shrub	Native	Common	-	S				S			S	
131	Melia azedarach	Tree	Exotic	Common	-								S	
132	Melicope pteleifolia	Shrub	Native	Common	-								S	
133	Mentha canadensis	Herb	Exotic	Restricted	-	S				S			S	
134	Microcos nervosa	Shrub	Native	Common	-	S				S			С	
135	Mikania micrantha	Herb	Exotic	Very common	-	S				S			S	
136	Millettia nitida	Climber	Native	Very common	-								S	
137	Morella rubra	Tree	Native	Common	-								S	
138	Musa x paradisiaca	Herb	Exotic	-	-						S			
139	Mussaenda pubescens	Climber	Native	Very common	-	0				0	S		,	
140	Neyraudia reynaudiana	Herb	Native	Very common	-	S				S	S		,	
141	<i>Opuntia</i> sp.	Herb	Exotic	-	-						S			
142	Oxalis debilis subsp. corymbosa	Herb	Exotic	Common	-						S			
143	Panicum maximum	Herb	Exotic	Common	-						S			
144	Passiflora edulis	Climber	Exotic	-	-	S				S				
145	Passiflora suberosa	Climber	Exotic	Common	-	S				S				
146	Persicaria chinensis	Herb	Native	Very Common	-	S				S				
147	Phyllanthus cochinchinensis	Shrub	Native	Very common	-	S				S				
148	Pinus elliottii	Tree	Exotic	-	-	S				S	С			
149	Pisum sativum	Herb	Exotic	-	-	S				S				

Number	Scientific name	Growth form	Origin	Rarity and distribution in	Protection or conservation status ²³⁴⁵⁶⁷⁸⁹	Relative abundance in each habitat within the Application Site	Relative abundance in each habitat within the assessment area				he			
				Hong Kong ¹		MW	AL	С	DA	MW	Р	R	S/G	W
150	Plumbago zeylanica	Shrub	Native	Restricted	-	S				S				
151	Plumeria rubra	Tree	Exotic	=	-	S				S				
152	Pogonatherum crinitum	Herb	Native	Common	-									S
153	Polyspora axillaris	Shrub	Native	Very common	-	S				S				
154	Psidium guajava	Tree	Exotic	Common	-	S				S				
155	Psychotria asiatica	Tree	Native	Very common	-		S							<u> </u>
156	Psychotria serpens	Climber	Native	Very common	-		С							<u> </u>
157	Pteris ensiformis	Herb	Native	Common	-		S							<u> </u>
158	Pteris linearis	Herb	Native	Restricted	-		S							 I
159	Pyrrosia adnascens	Herb	Native	Common	-		С							<u> </u>
160	Pyrrosia lingua	Herb	Native	Common	-		S							<u> </u>
161	Raphanus sativus	Herb	Exotic		-		S							 I
162	Rhaphiolepis indica	Shrub	Native	Very common	-		0							
163	Rhodomyrtus tomentosa	Shrub	Native	Very common	-								С	
164	Rhus hypoleuca	Shrub	Native	Common	-								S	
165	Rhus succedanea	Shrub	Native	Common	-								S	
166	Rhynchosia volubilis	Climber	Native	Restricted	-								S	
167	Rosa rugosa	Shrub	Exotic	-	List of Wild Plants under State Priority Conservation: Class 2 Threatened Species List of China's Higher Plants: VU					С				
168	Rourea microphylla	Climber	Native	Common	-			С						 I
169	Saccharum officinarum	Herb	Exotic	-	-			S						
170	Sapium sebiferum	Tree	Native	Common	-			S						 I
171	Schefflera arboricola	Climber	Exotic		-			0						 I
172	Schefflera heptaphylla	Tree	Native	Very common	-	0		S		0			,	
173	Scleria ciliaris	Herb	Native	Very common	-			С						 I
174	Sinosideroxylon wightianum	Tree	Native	Common	-			S						
175	Smilax china	Climber	Native	Very common	-			S					i	<u> </u>
176	Smilax glabra	Climber	Native	Very common	-		S						1	
177	Smilax hypoglauca	Climber	Native	1	-		S							
178	Spathodea campanulata	Tree	Exotic	Ī	-		S						1	
179	Spermacoce remota	Herb	Unknown	Ī	-		S						1	
180	Stephania longa	Climber	Native	Common	-		S							 I
181	Sterculia lanceolata	Tree	Native	Very common	-	S	0			S				ı
182	Strophanthus divaricatus	Climber	Native	Common	-		0							
183	Strychnos angustiflora	Climber	Native	Common	-		0							
184	Synedrella nodiflora	Herb	Exotic	Very common	-		S							
185	Syngonium auritum	Herb	Exotic	-	-		S							
186	Syzygium buxifolium	Shrub	Native	Common	-		0						,	
187	Syzygium jambos	Tree	Exotic	Common	-	S	S			S			,	·
188	Syzygium rehderianum	Tree	Native	Rare	-		S							·
189	Tetracera asiatica	Climber	Native	Very common	-		S						,	·
190	Tetradium glabrifolium	Tree	Native	Common	-		S						,	·
191	Thysanolaena latifolia	Herb	Native	Common	-		S						,	
192	Trema tomentosa	Shrub	Native	Common	-		S						,	
193	Tridax procumbens	Herb	Exotic	Very common	-		S							
194	Uvaria macrophylla	Climber	Native	Common	-		S						,	

Number	Vigna unquiculata	Growth form	Origin	Rarity and distribution in Hong Kong ¹	Protection or conservation status ²³⁴⁵⁶⁷⁸⁹	Relative abundance in each habitat within the Application Site	Rela	ative a	bundar ass	ice in ea				
				riong Rong		MW	AL	С	DA	MW	Р	R	S/G	W
195	Vigna unguiculata subsp. sesquipedalis	Climber	Exotic	-	-		0							
196	Vitex negundo	Shrub	Native	Common	-		S							
197	Wedelia trilobata	Herb	Exotic	Common	-		S							
198	Wikstroemia indica	Shrub	Native	Common	-		S							
199	Zanthoxylum avicennae	Tree	Native	Common	-		S							
200	Zanthoxylum nitidum		S											
	Number of plant sp	64	43	11	44	122	24	0	37	3				
	Total number	n Site/assessment area	64				200							

Note

- 1. Corlett et al. (2000). Hong Kong vascular plants: distribution and status.
- 2. Convention on International Trade in Endangered Species of Wild Fauna and Flora (2023). Appendices I, II and III.
- 3. Fu & Chin (1992). China Plant Red Data Book Rare and Endangered Plants.
- 4. Hu et al. (2003). Rare and Precious Plants of Hong Kong.
- 5. International Union of Conservation for Nature. (2024). The IUCN Red List of Threatened Species. Version 2023-1.
- 6. National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs. (2021). List of Wild Plants under the State Priority Conservation.
- 7. Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)
- 8. Qin et al. (2017). Threatened Species List of China's Higher Plants.
- 9. Wu et al. (1988). Illustration of Rare & endangered plant in Guangdong Province.
- Species in bold are considered of conservation importance. Only the protection and/or conservation status of species fulfilling the criteria of being considered of conservation importance according to Note 3 of the most updated EIAO-TM are supplemented.
- *The encountered individuals of Citrus reticulata, Dimocarpus longan, Litchi chinensis, Livistona chinensis, Rosa rugosa and Syzygium rehderianum are all exotic to Hong Kong and therefore not considered of conservation importance.
- *Dalbergia spp. are listed under Appendix II of CITES and are protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586) because of harvesting for timber. As Dalbergia millettii is a climber species and is not known to be exposed to any conservation threat in Hong Kong, this species is not considered of conservation importance in this study.

Abbreviations

- Habitats: AL = Agricultural Land; C = Channel; DA = Developed Area; MW = Mixed Woodland; P = Plantation; R = Reservoir; S/G = Shrubland/Grassland; W = Watercourse
- Relative abundance: C = Common; O = Occasional; S = Scarce
- Protection/Conservation status: EN = Endangered; VU = Vulnerable

Mammal Species Recorded within the Assessment Area

Appendix 1.5 Mammal Species Recorded within the Assessment Area

Number	Common name	Scientific name	Rarity and distribution in Hong Kong	Protection or conservation status ³	Abundance/Relative abundance in each habitat within the Application Site	Abundance/Relative abundance in each ha within the assessment area							
					MW	AL	С	DA	MW	Р	R	S/G	W
1	Domestic Dog	Canis lupus familiaris	Common. Widely distributed in urban and countryside areas throughout Hong Kong.	-		3			1				
2	Least Horseshoe Bat	Rhinolophus pusillus	Uncommon. Widely distributed in countryside areas throughout Hong Kong.	Fellowes <i>et al.</i> (2002): PRC, (RC) Cap. 170					+				
3	Whiskered Myotis	Myotis muricola	Rare/Species of Conservation Concern. Only several records in the countryside areas in the New Territories and on Lantau.	Cap. 170					+				
4	Japanese Pipistrelle	Pipistrellus abramus	Very common. Widely distributed throughout Hong Kong.	Сар. 170					+				
5	Least Pipistrelle	Pipistrellus tenuis	Uncommon. Ten-something records found in Nam Chung, Sheung Wo Hang, Lin Ma Hang, Plover Cove Country Park, Yuen Long, Shek Pik, Deep Water Bay, Ho Pui and Ho Chung.	Сар. 170	+				++				
6	Greater Bent- winged Bat	Miniopterus magnater	Data deficient.	Fellowes <i>et al.</i> (2002): PRC Cap. 170				+			+		
	Number of mam	Site/assessment area	1	1	0	1	5	0	1	0	0		
	Total numb	ssessment area	1	6									

Notes

- 1. Agriculture, Fisheries and Conservation Department (2022). Species Database of the Hong Kong Biodiversity Information Hub.
- 2. Shek (2006). A Field Guide to the Terrestrial Mammals of Hong Kong.
- 3. Fellowes et al. (2002). Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong.
 - For conservation status listed by Fellowes et al. (2002), letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence
- 4. Wild Animals Protection Ordinance (Cap. 170)
- Species in bold are considered of conservation importance. Only the protection and/or conservation status of species fulfilling the criteria of being considered of conservation importance according to Note 3 of Annex 16 of EIAO-TM will be supplemented.
- For bat species identified based on their echolocation call shape and/or structure, only their relative abundance in the habitat where they were encountered is expressed.

Abbreviations

- Habitats: AL = Agricultural Land; C = Channel; DA = Developed Area; MW = Mixed Woodland; P = Plantation; R = Reservoir; S/G = Shrubland/Grassland; W = Watercourse
- Protection or conservation status: LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern
- Relative abundance: +++ = Common: ++ = Occasional: + = Scarce

Appendix 1.6

Bird Species Recorded within the Assessment Area

Appendix 1.6 Bird Species Recorded within the Assessment Area

Appendi		Scientific		Protection or	Abundance in each habitat	Abunda	ance in each	n habita	t within	the as	ssessi	ment ar	ea
Number	Common name	name	Kong ¹	conservation status 23	within the Application Site MW	AL	С	DA	MW	Р	R	S/G	w
1	Domestic Pigeon	Columba livia	Locally common resident. Widely distributed in urban area throughout Hong Kong.	-				2		-			
2	Spotted Dove	Spilopelia chinensis	Abundant resident. Widely distributed in Hong Kong.	-			1	1					
3	Greater Coucal	Centropus sinensis	Common resident. Widely distributed in Hong Kong.	China Red Data Book: Vulnerable List of Wild Animals under State Priority Conservation: Class 2					1				
4	Red-billed Blue Magpie	Urocissa erythroryncha	Common resident. Widely distributed in woodland edges throughout Hong Kong.	-	1			3					
5	Large-billed Crow	Corvus macrorhynchos	Common resident. Widely distributed in Hong Kong.	-									
6	Cinereous Tit	Parus cinereus	Common resident. Widely distributed in Hong Kong.	-	1			1	3			1	
7	Red-whiskered Bulbul	Pycnonotus jocosus	Abundant resident. Widely distributed in Hong Kong.	-		2		1	2				
8	Chinese Bulbul	Pycnonotus sinensis	Abundant resident. Widely distributed in Hong Kong.	-				2					
9	Yellow-browed Warbler	Phylloscopus inornatus	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	-	1			1	1				
10	Common Tailorbird	Orthotomus sutorius	Common resident. Widely distributed in Hong Kong.	-									
11	Masked Laughingthrush	Garrulax perspicillatus	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	-				4	2				
12	Crested Myna	Acridotheres cristatellus	Abundant resident. Widely distributed in Hong Kong.	-				2					
13	Oriental Magpie Robin	Copsychus saularis	Abundant resident. Widely distributed in Hong Kong.	-					2				
14	Eurasian Tree Sparrow	Passer montanus	Abundant resident. Widely distributed in Hong Kong.	-		30	5						
15	Grey Wagtail	Motacilla cinerea	Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong.	-			1						1
16	White Wagtail	Motacilla alba	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	-			3						2
17	Chinese Blackbird	Turdus mandarinus	Common winter visitor and migrant. Widely distributed in Hong Kong.	-			2						
			n habitat within the Application Site/ass		3	2	5	9	6	0	0	1	2
	Total number of	bird species record	ded within the Application Site/assessn	nent area	3				17		· <u>-</u>	·	

Route 11 (Section between Yuen Long and North Lantau) – Investigation Section 16 Application for New Permitted Burial Ground at Lam Tei - Ecological Impact Assessment Report

Notes

- 1. All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).
- 2. Agriculture, Fisheries and Conservation Department. (2022). Species Database of the Hong Kong Biodiversity Information Hub.
- 3. National Forestry and Grassland Administration and the Ministry of Agricultural and Rural Affairs. (2021). List of Wild Animals under State Priority Conservation.
- 4. Zheng and Wang. (1998). China Red Data Book of Endangered Animals: Aves.
- Species in bold are considered of conservation importance. Only the protection and/or conservation status of species fulfilling the criteria of being considered of conservation importance according to Note 3 of Annex 16 of EIAO-TM will be supplemented.

Abbreviations

• Habitats: AL = Agricultural Land; C = Channel; DA = Developed Area; MW = Mixed Woodland; P = Plantation; R = Reservoir; S/G = Shrubland/Grassland; W = Watercourse

Appendix 1.7

Herpetofauna Species Recorded within the Assessment Area

Appendix 1.7 Herpetofauna Species Recorded within the Assessment Area

Number		Common	Scientific name	Distribution in Hong Kong ¹		Abundance in each habitat within the within the Application Site Abundance in each habitat within the area						n the a	the assessment			
		name				MW	AL	С	DA	MW	Р	R	S/G	W		
	1	Asian Common Toad	Duttaphrynus melanostictus	Widely distributed in Hong Kong.	-					1						
	Number of herpetofauna species recorded in each habitat within the Application Site/assessment area					0	0	0	0	1	0	0	0	0		
	Total number of herpetofauna species recorded within the Application Site/assessment area					0				1				_		

Notes

Abbreviations

• Habitats: AL = Agricultural Land; C = Channel; DA = Developed Area; MW = Mixed Woodland; P = Plantation; R = Reservoir; S/G = Shrubland/Grassland; W = Watercourse

^{1.} Agriculture, Fisheries and Conservation Department (2022). Species Database of the Hong Kong Biodiversity Information Hub.

Appendix 1.8

Butterfly Species Recorded within the Assessment Area

Appendix 1.8 **Butterfly Species Recorded within the Assessment Area**

Number	Common name	Scientific name	Rarity and distribution in Hong Kong 12 Protection or		Abundance in each habitat within the Application Site								
				conservation status			С	DA	MW	P	R	S/G	W
1	Common Tiger	Danaus genutia	Common. Widely distributed throughout Hong Kong.	-								1	
2	Dark Brand Bush Brown	Mycalesis mineus	Very common. Widely distributed throughout Hong Kong.	-								1	
3	Great Mormon	Papilio memnon	Very common. Widely distributed throughout Hong Kong.	-				1					
4	Red-base Jezebel	Delias pasithoe	Very common. Widely distributed throughout Hong Kong.	-				1				1	
5	Indian Cabbage White	Pieris canidia	Very common. Widely distributed throughout Hong Kong.	-		1			1				
Number of butterfly species recorded in each habitat within the Application Site/assessment area					0	1	0	2	1	0	0	3	0
Total number of butterfly species recorded within the Application Site/assessment area					0 5								

Notes

- Agriculture, Fisheries and Conservation Department (2022). Species Database of the Hong Kong Biodiversity Information Hub.
 Chan et al. (2011). A review of the local restrictedness of Hong Kong Butterflies.

Abbreviations

Habitats: AL = Agricultural Land; C = Channel; DA = Developed Area; MW = Mixed Woodland; P = Plantation; R = Reservoir; S/G = Shrubland/Grassland; W = Watercourse

Appendix 1.9

Freshwater Fauna Species Recorded within the Assessment Area Appendix 1.9 Freshwater Fauna Species Recorded within the Assessment Area

/ tppolialx			ia oposios itosoriasa irri												
Number	Common	Scientific name	Rarity and distribution in Hong Kong ¹	Protection or conservation status ²	Within the Application Site		Abundance in each habitat within the accecement area								
	name		Holig Kolig	Status	MW	AL	С	DA	MW	P	R	S/G	W		
Fish															
1	Predaceous chub	Parazacco spilurus	A widespread species occurring in most unpolluted hill streams in both upper and lower courses.	China Red Data Book: Vulnerable									+		
Invertebrate															
2	Water Strider	Limnogonus fossarum	/	1									++		
Numb	Number of freshwater fauna species recorded in each habitat within the Application Site/assessment area				0	0	0	0	0	0	0	0	2		
Т	Total number of freshwater fauna species recorded within the Application Site/assessment area					2									

Note

- 1. Agriculture, Fisheries and Conservation Department. (2022). Species Database of the Hong Kong Biodiversity Information Hub.
- 2. Yue and Chen (1998). China Red Data Book of Endangered Animals: Pisces.
- Species in bold are considered of conservation importance. Only the protection and/or conservation status of species fulfilling the criteria of being considered of conservation importance according to Note 3 of Annex 16 of EIAO-TM will be supplemented.

Abbreviations

- Habitats: AL = Agricultural Land; C = Channel; DA = Developed Area; MW = Mixed Woodland; P = Plantation; R = Reservoir; S/G = Shrubland/Grassland; W = Watercourse
- Relative abundance: + = Scarce, ++ = Occasional, +++ = Abundant

Annex D

Heritage Impact Study

Major Works Project Management Office Highways Department of HKSAR

Agreement No. CE 13/2021 (HY)
Route 11 (Section between Yuen Long and
North Lantau) – Investigation

Application for Permission under Section 16 of the Town Planning Ordinance (Cap. 131) for New Permitted Burial Ground at Lam Tei - Heritage Impact Study

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 284104

Ove Arup & Partners Hong Kong Ltd Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong Kowloon Hong Kong www.arup.com



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Nomenclature and Abbreviations

ERM	Environmental Resources Management
HIS	Heritage Impact Study
HKIA	Hong Kong Institute of Archaeology
PBG	Permitted Burial Ground
SAI	Site of Archaeological Interest
TMDC	Tuen Mun District Council

1 Introduction

1.1 Purpose of this Report

1.1.1 This report presents the Heritage Impact Study (HIS) for the application site as the application site is within 50m of Fu Tei Ha Site of Archaeological Interest (SAI).

1.2 Structure of this Report

- 1.2.1 This report contains the following sections:
 - Section 1 gives an introduction of this report;
 - Section 2 presents the baseline study of the application site;
 - Section 3 presents the existing impact and constraints of the application site;
 - Section 4 describes the proposed land use;
 - Section 5 presents the evaluation of archaeological potential and assessment;
 and
 - Section 6 summarises the study.

2 Baseline Study

2.1 Geological and Topographical Background

2.1.1 The application site covers steep slopes of granite and metasiltstone and phyllite with meta sandstone (**Figure 2**). The application site sits roughly on elevations between +20 to +70mPD (**Figure 3**). The area includes some graves and small burial areas and consists mainly of steep slopes.

2.2 Historical Background

- Fu Tei Ha Tsuen is the closest village to the Application Site. Archaeological findings suggest that Fu Tei Ha was settled since the Song dynasty, but the current Hakka village does not appear until late Qing dynasty (LUSUPB 2014; TMDC 2003:88). Fu Tei Tsuen in general is a listed branch-off village from a registered traditional village Shum Tseng of Tsuen Wan (Fu families) that was established before 1898 (HYK 1988:3). Fu Tei Ha Tsuen (lower village) is a hamlet of Fu Tei Tsuen (which also includes Fu Tei Sheung Tsuen and Fu Tei Chong Tsuen). In the 1990s, the government built a public housing estate in Fu Tei Tsuen and relocated Lingnan University to the village area. As the area of Chong Tsuen is now replaced by Lingnan University's main campus, the main village now only comprises of Sheung Tsuen (south to Ha Tsuen) and Ha Tsuen (LUSUPB 2014).
- 2.2.2 Fu Tei Ha Tsuen is a multi-surnamed hamlet, but the Chan clan forms the majority. The villagers previously relied on vegetable farming and sold their crops in Tsuen

Wan Market or even further in West Point (LUSUPB 2014; TMDC 2003:88). The village houses were scattered around the farming land instead of concentrated within a traditional village (**Figure 4**).

- On the lower hill area of Fu Tei Ha Tsuen is a temple named Nam On Buddhist Monastery (**Plates 5-6**). Four buildings inside the monastery, Nam On Buddhist Monastery main building, Sin Fat Hang Yuen, Fuk Tak Temple and Shing Wong Temple, had been proposed for grading but were confirmed No Grade items by the AAB on 4 February 2010. The monastery allegedly has a Qing Daoguang origin and was a matshed construction in the mid-1940s. In the 1960s, the monastery expanded (AAB 2023) and the main building was rebuilt in 1964 (TMDC 2010:117). Fuk Tak Temple and Shing Wong Temple were added in the same year. In the 1970s, the four buildings were renovated. Nam On Buddhist Monastery is one of the few monasteries in Hong Kong which serves Monkey King or Chai Tin Tai Shing as the main deity. Besides, Sin Fat Hang Yuen, Fuk Tak Temple and Shing Wong Temple respectively houses Buddha, Earth God, and Shing Wong (AAB 2023). The villagers who lived near the temple were Hoklos coming from Haifengand Lufeng in the 1940-50s (AAB 2023).
- 2.2.4 According to folklore, the hill land to the southeast of Fu Tei Ha Tsuen has a shape which resembles the mouth of a tiger whence the name of Fu Tei (Tiger's Land) was derived (LUSUPB 2014; TMDC 2003:88). The Heung Yee Kuk's List of Branch-off Villages, however, indicates that the original settlers' surname was Fu. A more likely explanation is Fu's land was changed into the Chinese character of Tiger (sound Fu as well). The upper hill area has been the traditional burial grounds of nearby villages, including Fu Tei Tsuen and Lam Tei San Tsuen (LUSUPB 2014). Grave sweeping activities have been popular during the Qingming Festival (LUSUPB 2014).

2.3 Archaeological Background

- Interest (SAI). In 1998, as part of the Second Territory-wide Archaeological Survey, two test pit excavations and seven auger holes were conducted within farming land at Fu Tei Ha Tsuen (Zhongshan University 1998). Within Test pit T1, located near the hillside, five layers were recorded. The second layer produced a mixture of ancient and recent porcelain sherds, which suggests a disturbed deposit and was interpreted by the authors dated to Ming/Qing period. Very little was found below this layer in T1. In contrast, Test pit T2 revealed relatively rich findings in the third and the fourth layer. The finds included Song dynasty porcelain sherds and grey, red and orange tile fragments with cloth imprint. Based on the findings of the two test pits, the site was determined to include two cultural layers dated to Ming/Qing period and Song dynasty respectively. The authors suggested the centre of the site is situated around T2 excavation (Zhongshan University 1998) (Figure 3).
- 2.3.2 In 2001, an archaeological survey conducted for the Deep Bay Link Project tested an area in and around the north-eastern of the SAI (**Figure 3**). Eighteen auger tests, five face cuts and a single test pit excavation were investigated but did not yield any significant findings. It was suggested that the north-eastern part of the site had been previously destroyed (HKIA 2002).

- 2.3.3 From January 2012 to May 2013, an archaeological watching brief programme was conducted within the SAI during the works for the replacement and rehabilitation of water mains in Tuen Mun (ERM 2004) (**Figure 3**). Results from two tested locations within the SAI suggested highly disturbed stratigraphy due to modern construction or utility works.
- 2.3.4 There is another area of previous archaeological findings at the middle slope of Chung Shan at the back of the Lam Tei Quarry where in 2000, a large, polished stone axe (isolated find) was discovered from during an archaeological investigation carried out for the Deep Bay Link Project (HKIA 2002). The exact location of the isolated find is unknown and can thus not be mapped. The presence of the axe on the slopes cannot be explained and no other archaeological finds were noted.

3 Existing Impacts and Constraints

- 3.1.1 A field visit was conducted on 13 December 2023 (**Plates 1-6**; **Figure 5**). The Application Site comprises on the west and more extensively on the east of a ridge spur running down hill from the south to its termination at a series of temples on the low ground to the north. The slopes are often steep and are vegetated with natural bushes and trees with natural rock outcrops. Along the east of the Application Site the slope is west bank of an incised river valley descending north from the reservoir. There is soil erosion on most slopes. Furthermore, the soil across the site is thin and poor. There are however a handful scatter graves and hikers' trails across the application site.
- 3.1.2 With the exception of some graves, burial areas and some paths, there are no obvious existing impacts within the Application Site. There are no paths on early 20th century maps onto the hills further indicating that the current marked paths are more recent and suggesting that the slopes were not regularly used in historical times.

4 Proposed Land Use

4.1.1 The application site (~2.3ha), which includes existing graves, is proposed for the land use of burial ground (**Figure 1**). Burial practices may include some localized excavation at minimum to the ground.

5 Evaluation of Archaeological Potential and Assessment

- 5.1.1 The previous archaeological investigations have focussed on the flat areas below the application site and typically the steep slopes of the application site are not known to have major archaeological potential. The results of the previous investigations indicate a Song and Ming/Qing dynasty presence or settlement which is likely concentrated in centre of the Fu Tei Ha SAI (Zhongshan University 1998). Archaeological testing in 1998 and 2001 near the base of the slopes did not reveal secondary deposited materials derived from eroded slope deposits further suggesting no associated archaeology is present on the slopes.
- 5.1.2 The topography of the application site, i.e. steep slopes make it unlikely that ancient settlers would have used the hill slopes beyond low key impact activities such as foraging. Furthermore, the field visit did not highlight any possible areas of occupation or use. No archaeological potential is expected on the (steep) slopes behind Fu Tei Ha SAI.

6 Summary

6.1.1 The archaeological findings indicate the Song, and Ming/Qing dynasty findings are unrelated to the steep hills adjacent to the Fu Tei Ha SAI and thus the application site is not expected to have significant archaeological potential. There are no recorded built heritage items in the Application Site but nevertheless is it recommended to incorporate the existing graves. The proposed land use of burial ground is deemed acceptable.

7 Bibliography and References

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HKMS / Hong Kong Map Services (2022) Current Map, Scale: 1 to 1000.

HYK / Heung Yee Kuk (1988) List of Established Villages in the New Territories – List of Branch off Villages.

LUSUPB /Lingnan University Students' Union Press Bureau/嶺南大學學生會編委會(2014) 《尋找我們腳下的土地:虎地的前世今生》, published on inmediahk.net on 2014-12-15. Accessed on 11 December 2023.

Ordnance Survey (1963a) Topographic map. Sheet No. 124-NW-B. Scale 1:1200.

Ordnance Survey (1963b) Topographic map. Sheet No. 124-NW-D (Ed 1963-02) Scale 1:1200.

Ordnance Survey (1966) Topographic map. Sheet No. 124-NW-C (Ed 1966). Scale 1:1200.

Ordnance Survey (1968a) Topographic map. Sheet No. 124-NW-A (Ed 1968). Scale 1:1200.

Ordnance Survey (1968b) Topographic map. Sheet No. 124-NW-B (Ed 1968-07). Scale 1:1200.

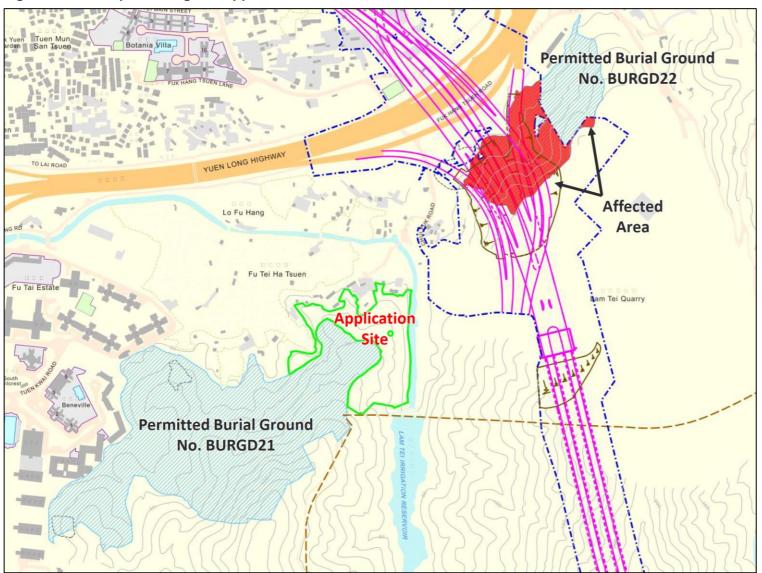
SMO / Survey and Mapping Office, Lands Department (1903) Sheet No. DD130 Field Sheet (TM), scale 1:3960.

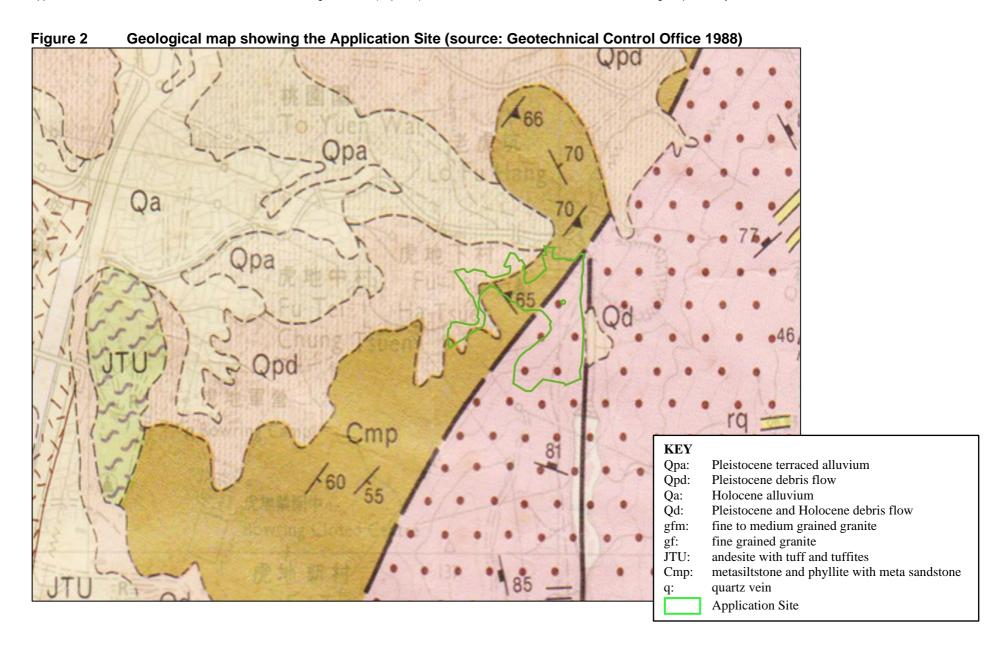
TMDC /Tuen Mun District Council/屯門區議會 (2003)《屯門風物志》,香港:屯門區議會。

TMDC /Tuen Mun District Council/屯門區議會(2010) 《屯門的宗教與廟宇》,香港:屯門區議會。

Figures

Figure 1 Map showing the Application Site





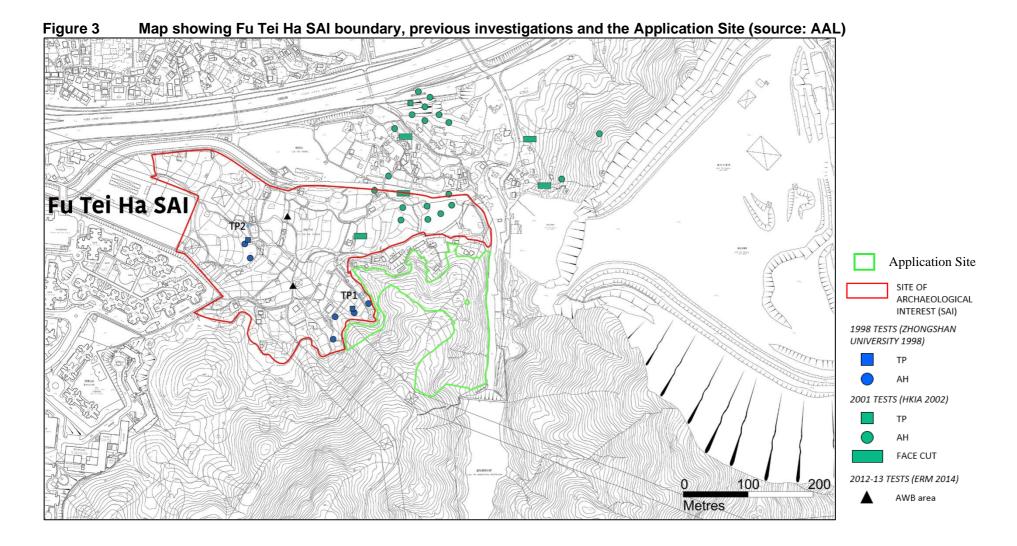
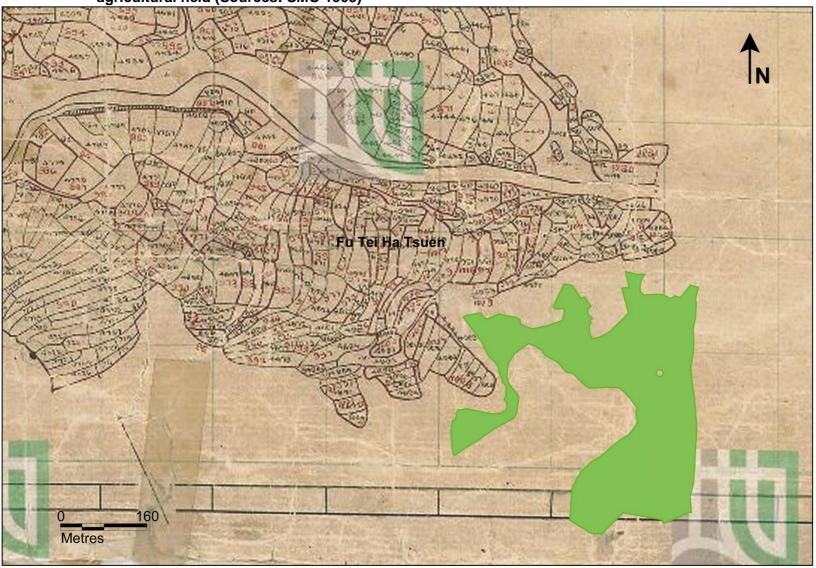
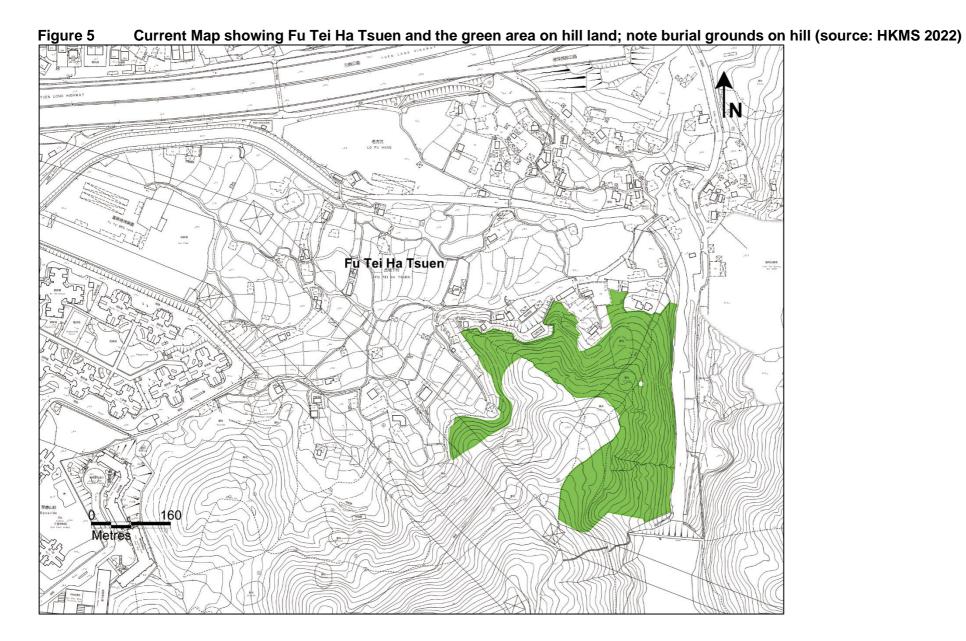


Figure 4 1903 DD Field Survey Map showing Fu Tei Ha Tsuen and green area on hill land; Note the current village area was all agricultural field (Sources: SMO 1903)





Plates



Plate 1 Hiking trail

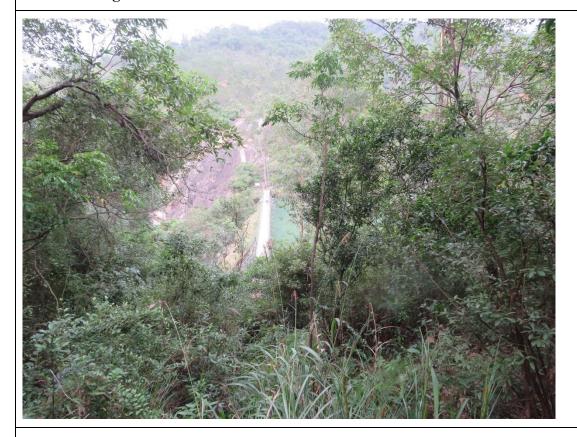


Plate 2 View of reservoir from the Application Site

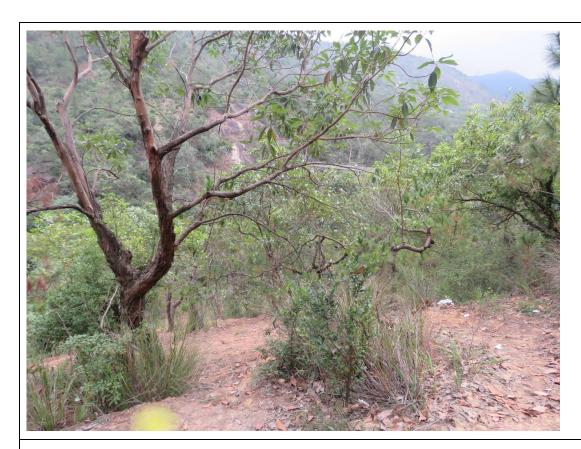


Plate 3 Thin soil cover



Plate 4 Existing graves



Plate 5 Nam On Buddhist Monastery



Plate 6 Nam On Buddhist Monastery

Impact Assessment

2.1 Impact on Existing Traffic System

- 2.1.1 The application site as a PBG will only serve the indigenous villager of Nai Wai and Shun Fung Wai¹ and is not for the general public.
- 2.1.2 Based on the record from 1983 to 2023, the average number of annual issuance of Burial Certificates for BURGD22, which currently serves the burial applicant from Nai Wai and Shun Fung Wai, is 1.5. The average number of annual issuance of Burial Certificates for the new PBG of the application site is estimated to be in the same order as the one for the existing BURGD22 as mentioned above.

Therefore, in terms of number of burials and associated funeral services, the PBG is with a substantial difference with the nature of the public / private cemeteries listed in Fifth Schedule of the Public Health and Municipal Ordinance (Cap. 132)

- 2.1.3 The application site is accessible via the existing Fu Fuk Road by vehicle followed by a 90m-long local pedestrian access. For the villagers of Nai Wai/Shun Fung Wai, the application site is around 13 and 25 minutes walking distance from Nai Wai and Shun Fung Wai respectively. As the PBG application site will only serve the indigenous villager of Nai Wai and Shun Fung Wai, it is anticipated that a significant portion of villagers will access the application site by walking. The existing accesses to the application site are considered adequate and no additional access is required.
- 2.1.4 In view of the small number of burials annually and the fact that the application site as a PBG will only serve the nearby locals within a walking distance, it is anticipated that the traffic flow within the vicinity of the application site will remain the same as the current condition and hence no mitigation / improvement is required for the existing accesses.

2.2 **Impact on Environmental Aspects**

- 2.2.1 It is anticipated that the overall topography of the application site will not be materially changed. Also, no extensive site formation works such as slope works nor retaining wall will be carried out within the site. Only localised excavation at minimum may be involved in burial practices, hence the environmental impacts during burial activities are considered minimal.
- 2.2.2 Considering the application site is relatively small compared to the adjacent BURGD21, the grave sweeping activities around the area will not be materially changed. Moreover, visitors are anticipated to stay in the application site over a short duration only. As the visitors will not be substantial in number, no facility

¹ When an indigenous villager of Nai Wai/Shun Fung Wai passes away, his/her family members or their agent for burial must obtain a "Certificate for Burial within Permitted Burial Grounds" (Burial Certificate) issued by the local District Office of Home Affairs Department before the deceased can be buried inside the PBG. The application of Burial Certificate requires the verification of indigenous status including a written confirmation of the indigenous status of the deceased from the indigenous inhabitant representative concerned / the Chairman or Vice-Chairmen of Tuen Mun Rural Committee and a declaration made at District Office (in accordance with the Oaths and Declarations Ordinance (Cap.11)) declaring the indigenous inhabitant status of the deceased in order to be eligible for the application.

Appendix Ic of RNTPC Paper No. A/TM-LTYY/472A

寄件者:

寄件日期: 2024年05月09日星期四 9:45

收件者: tpbpd/PLAND

副本: Johnny Kai Hong TAM/PLAND; Corey Tsz Yan NG/PLAND

主旨: Planning Application No.A/TM-LTYY/472-Proposed Permitted Burial Ground 擬議認可殯

葬區 [Further Information]

附件: Page 14 Replacement.pdf; A_TM-LTYY_472.pdf

重要性: 高

Dear Sir,

Further to the telecon with Ms Corey NG (EO/Town Planning Board 1, tel: 2231-4835) and Mr Johnny TAM (Planning Asst/Tuen Mun & Yuen Long W, tel: 2158-6084), I write to submit the further information regarding to the amendment on the captioned Planning Application No.A/TM-LTYY/472 as below:-

Amendment on the Application Form S.16-I:

For the "Applied use/ Development 申請用途/發展" of "Gist of Application" (Page 14), it is amended from "Proposed Permitted Burial Ground (reprovisioning site for affected Permitted Burial Ground) 擬<u>議認可殯葬區 (受影響認可殯葬區的重置地點)"</u> to "Proposed Permitted Burial Ground 擬議認可殯葬區"

Hence, I append the corresponding replacement page #14 of Application Form S.16-I for your use please. In the light of the above amendments, I note the items / descriptions regarding the aforementioned amendment will be changed subsequently and they will be including but not limited to the following items / descriptions:-

(See attached file: Page 14 Replacement.pdf)

[1] Web Site of TPB for Tuen Mun and Yuen Long

West [https://www.tpb.gov.hk/en/plan_application/application_comment_tmylw.html] for both English and Chinese versions

"Proposed Use / Development/ 擬議的用途/發展":

to be changed

from "Proposed Permitted Burial Ground (reprovisioning site for affected Permitted Burial Ground) 擬議認可殯葬區 (受影響認可殯葬區的重置地點)"

to "Proposed Permitted Burial Ground 擬議認可殯葬區"

[2] Web Site of TPB of "A/TM-LTYY/472" [https://www.tpb.gov.hk/en/plan_application/A_TM-

LTYY 472.html] for both English and Chinese versions

"Proposal / 擬議":

to be changed

from <u>"Proposed Permitted Burial Ground (reprovisioning site for affected Permitted Burial Ground) 擬</u> 議認可殯葬區 (受影響認可殯葬區的重置地點)"

to "Proposed Permitted Burial Ground 擬議認可殯葬區"

[3] The Gist in the Web Site of

[https://www.tpb.gov.hk/tc/plan application/Attachment/20240430/s16 A TM-LTYY 472 0 gist.pdf]

"Applied use/ Development 申請用途/發展" (Page 1):

to be changed

from <u>"Proposed Permitted Burial Ground (reprovisioning site for affected Permitted Burial Ground) 接</u> 議認可殯葬區 (受影響認可殯葬區的重置地點)"

to "Proposed Permitted Burial Ground 擬議認可殯葬區"

[4] The subsequent schedule of announcement of TOWN PLANNING ORDINANCE (Chapter 131) APPLICATION FOR PLANNING PERMISSION in the newspaper and the Web Site of TPB

"Applied use/ Development 申請用途/發展":

to be changed

from <u>"Proposed Permitted Burial Ground (reprovisioning site for affected Permitted Burial Ground) 擬</u>議認可殯葬區 (受影響認可殯葬區的重置地點)"

to "Proposed Permitted Burial Ground 擬議認可殯葬區"

[5] The subsequent memo / letter / email regarding the captioned application

"Title":

to be changed

from <u>"Proposed Permitted Burial Ground (reprovisioning site for affected Permitted Burial Ground) in </u><u>"Green Belt" Zone at Government Land Northeast of Permitted Burial Ground No. BURGD21"</u> to <u>"Proposed Permitted Burial Ground in "Green Belt" Zone at Government Land Northeast of Permitted Burial Ground No. BURGD21"</u>

Thank you.

P.S.

Regards, Pius HUGO E3/R11, MWPMO, HyD "TPB Submission---29/04/2024 17:13:37---Dear Sir/Madam, I attach the Town Planning Board's letters in regard to the captioned planning appli

From: "TPB Submission/PLAND" <tpbsubmission@pland.gov.hk>

To: "Pius HUGO/HYD" ■ Date: 29/04/2024 17:13

Subject: Planning Application No.A/TM-LTYY/472

Dear Sir/Madam,

I attach the Town Planning Board's letters in regard to the captioned planning application.

Town Planning Board Secretariat

[See attachment "A_TM-LTYY_472.pdf"] (See attached file: A_TM-LTYY_472.pdf)

Gist of Application 申請摘要

(Please provide details in both English and Chinese <u>as far as possible</u>. This part will be circulated to relevant consultees, uploaded to the Town Planning Board's Website for browsing and free downloading by the public and available at the Planning Enquiry Counters of the Planning Department for general information.)

(請<u>盡量以英文及中文填寫。此部分將會發送予相關諮詢人士、上載至城市規劃委員會網頁供公眾免費瀏覽及下載及於規劃署規劃資料查詢處供一般參閱。)</u>

1 17 (2) 474 (1) 412 4 [1] 7 47		_	/			
Application No. 申請編號	(For O	fficial Use Only) (請夕	勿填寫此欄)			
Location/address 位置/地址		ment Land Northeast 殯葬區編號BURGD			RGD21	
Site area 地盤面積				23,000	sq. m 平方米	
		les Government land		•	sq. m 平方米	☑ About 約)
圖則 Braft T		red Lam Tei and Yick 亦園分區計劃大綱校 uen Mun Outline Zor 區計劃大綱草圖編號	亥准圖編號 S/TM- ning Plan No. S/TM	LTYY/12 &	M-LTYY/12	
Zoning 地帶	Green] 綠化地					
11		ed Permitted Burial C 可殯葬區	Ground			
(i) Gross floor are			sq.m	平方米	Plot Rati	io 地積比率
and/or plot ratio 總樓面面積及/或 地積比率		Domestic 住用		□ About 約 □ Not more tha 不多於	n	□ About 約 □Not more than 不多於
		Non-domestic 非住用		□ About 約 □ Not more tha →多於	n	□About 約 □Not more than 不多於
(ii) No. of blocks 幢數		Domestic 住用				
_		Non-domestic 非住用				
		Composite 綜合用途				

Further Information for S16 Application Ref.: TPB/A/TM-LTYY/472

The application site ("site") is proposed to be as a new permitted burial ground ("PBG") to cater for:

- the immediate need of relocation of graves/urns at PBG No. BURGD 22 ("BURGD22") which are heavily affected by Route 11 Project;
- burial ground in line with the villagers' burial custom; and
- the sentiment of the stakeholders.

Although the portal location of the Lam Tei Tunnel and the alignments of the connecting roads were optimised to shift the Route 11 alignment to the western portion of the PBG to minimize the impact, the significant portion of BURGD22 is affected. It is expected that 87 number of graves and 55 numbers of urns will be affected and need to be relocated.

During public consultation of the Route 11 project, requests for optimising existing PBGs for increased burial spaces have been raised by leaders of local rural community, including Hon LAU Ip-keung, Kenneth (ExCo and LegCo Member, Chairman of Heung Yee Kuk, TMDC member, and Chairman of Tuen Mun Rural Committee ("TMRC")) and Mr TSANG Chin-Hung (1st Vice-chairman of TMRC), at the Traffic and Transport Committee of the TMDC on 9 June 2023, and at a joint meeting on 13 June 2023 attended by TMRC members, Tuen Mun District Office, District Lands Office/ Tuen Mun, and Highways Department. In response to their request, the Government has agreed to provide assistance to local stakeholders with the application for new PBGs at the joint meeting held on 13 June 2023. Highways Department agreed to provide assistance to the local stakeholders to submit planning application.

Home Affairs Department ("HAD") was consulted for this application and advised that:-

- 1. HAD has no adverse comment on this this application;
- BURGD 22 is mainly used by villagers in Nai Wai and Sun Fung Wai. Owing to the Route 11 project, BURGD 22 will be heavily affected;
- 3. In line with established village traditions, villagers shall conduct hillside burial activities at the PBG closest to their village (or following the customs of their clan), upon obtaining the support from respective indigenous inhabitant representative(s). Villagers of a certain village do not normally

- conduct burial activities in other PBGs.
- 4. With the commencement of the Route 11 project, TMRC and concerned village representatives ("VRs") have expressed grave concerns of insufficient burial spaces for the villages affected and have strongly requested the Government to provide assistance with the application for a PBG.
- 5. TMRC and VRs support the proposed PBG application. The application site will be roughly the same size as the area of BURGD 22 affected by the Route 11 project.

Impact assessments on various aspects including traffic, environmental, geotechnical, drainage, sewerage and air ventilation have been carried out. It is concluded that there is minor or insignificant impact due to the proposed land use.

Based on the aforementioned considerations and the result of impact assessments, the Town Planning Board is recommended to grant the permission on this application under Section 16 of the Town Planning Ordinance (Cap. 131).

Submission of Further Information for S16 Application Ref.: TPB/A/TM-LTYY/472

Agreement No. CE 13/2021 (HY) Route 11 (Section between Yuen Long and North Lantau) – Investigation

Responses to Comments on REP-205-00 S16 for New PBG - Methodology Paper for Traffic Review

Con	nments received:	Arup Responses:		
(1)	From: TD/NT Regional Office Ref: Nil (by Email) Date: 19 July 2024 Time: 12:05pm			
	(1) Sect 2.2.1 - Delete "and pedestrian surveys will not be conducted for assessment in this traffic review" in the 2nd paragraph.	The sentence in Section 2.1.3 is deleted accordingly.		
	(2) Sect 3.1.1 - "Chui Fuk Road" instead of "Chiu Fuk Road".	Section 3.1.1 and Footnote 1 are revised accordingly.		

Major Works Project Management Office Highways Department of HKSAR

Agreement No. CE 13/2021 (HY)
Route 11 (Section between Yuen Long and
North Lantau) – Investigation

Application for Permission under Section 16 of the Town Planning Ordinance (Cap. 131) for New Permitted Burial Ground at Lam Tei - Traffic Review Report

REP-207-00

Issue 1 | 22 July 2024

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility

is undertaken to any third party.

Job number 284104

Ove Arup & Partners Hong Kong Ltd Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong Kowloon Hong Kong www.arup.com



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Figure 1 Location of New Permitted Burial Ground
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Appendices

Appendix A Summary of Peak Hour Traffic Flow **Appendix B** Detailed Junction Calculation

Nomenclature and Abbreviations

AADT	Annual Average Daily Traffic
ATC	Annual Traffic Census
BURGD22	Permitted Burial Ground Site No. BURGD22
DFC	Design Flow to Capacity
ExCo	Executive Council
LegCo	Legislative Council
NWNT	Northwest New Territories
OVT	Old and Valuable Trees
OZP	Outline Zoning Plan
PBG	Permitted Burial Ground
R11	Route 11
TIA	Traffic Impact Assessment
TMDC	Tuen Mun District Council
TMRC	Tuen Mun Rural Committee
TPEDM	Territorial Population and Employment Data Matrix
TPI	Tree of Particular Interest
TPO	Town Planning Ordinance
V/C	Volume over Capacity

1 Introduction

1.1 Purpose of this Report

1.1.1 Following to the memo ref. TPB/A/TM-LTYY/472 dated 30 April 2024, and Transport Department's reply (memo ref. (NQM7T) in TD NR157/161/TMDD-130 dated 22 May 2024), a traffic review should be conducted to reveal the existing traffic conditions and to estimate the traffic impact brought by the new Permitted Burial Ground (PBG) on Chui Fuk Road and Fu Fuk Road, which is a branch road of Chui Fuk Road.

1.2 Objectives of Traffic Review

- 1.2.1 The key objective of the traffic review is to support the proposed new PBG as shown in **Figure 1**, which allows relocation of graves/ urns in BURGD22 (affected portion) ¹ and new burial certificate applications. Traffic conditions will be appreciated to ensure that the new PBG would be feasible in terms of traffic without causing adverse impacts on Chui Fuk Road and Fu Fuk Road.
- 1.2.2 To achieve this objective, the major tasks can be summarised as follows:
 - to assess the existing traffic conditions on Chui Fuk Road and Fu Fuk Road;
 - to estimate traffic generation due to the new PBG, the existing graves/ urns in the vicinity of BURGD22 (affected portion) and the portion of BURGD21 accessed by Chui Fuk Road during Ching Ming Festival;
 - to assess the impacts of the generated traffic on Chui Fuk Road and Fu Fuk Road using the forecasted background flows and the aforementioned estimated traffic generation; and
 - to recommend improvement measures, if necessary, to alleviate any traffic problems on Chui Fuk Road and Fu Fuk Road.

1.3 Structure of the Report

- 1.3.1 Following this introductory chapter, there are four further chapters:
 - Chapter 2 Describes the existing traffic conditions;
 - Chapter 3 Presents the trip generation of the burial grounds and the design year traffic forecasts; reports the results of the junction and link capacity assessments during Ching Ming Festival; and recommends measures to improve the traffic condition, if considered necessary; and
 - Chapter 4 Summarises and concludes the study.

¹ BURGD22 (affected portion) is the portion of existing permitted burial ground BURGD22 which is within the Route 11 limit of works, which is likely to be accessed through Chui Fuk Road and planned to be resumed; hence, the graves/urns in the BURGD22 (affected portion) are planned to be relocated to new PBG under this application.

2 Existing Traffic Condition

2.1 Existing Traffic Condition

- 2.1.1 The new PBG is served by Chui Fuk Road and Fu Fuk Road, which are feeder roads that connect remote settlements in Fu Tei Ha Tsuen to external road networks. The location of the new PBG and its environs in the vicinity are shown in **Figure 1**.
- 2.1.2 To appreciate the existing traffic conditions, comprehensive classified traffic counts were conducted at the following key junctions and links at AM, Noon, and PM peak hours on a normal weekday and a normal weekend. Locations of these surveyed junctions and links are listed in below **Table 2-1** and illustrated in **Figure 2**. The traffic survey schedule is listed in **Table 2-2** below.
- 2.1.3 Based on the trip estimation in **Table 3-6** (under Section 3.3 of this Report), the anticipated number of 2-way hourly pedestrian trips induced by the concerned PBGs is minimal, i.e. 190 ped/hr which is about 3 ped/min. Therefore, it is expected that there will not be significant pedestrian impact due to the PBG.

Table 2-1 - Assessed Junctions and links

Junction No. / Link No.	Location	Туре
J1	Chui Fuk Road / Fuk Hang Tsuen Road	Priority Junction
J2	Chui Fuk Road / Fu Fuk Road	Priority Junction
L1	Chui Fuk Road	Road Link
L2	Fu Fuk Road	Road Link

Table 2-2 - Traffic Survey Schedule

Survey Day	Survey Period	Duration
Weekday - 13 June 2024	07:30 - 09:30; 12:00 - 14:00; 17:30 - 19:30	6 hrs
Weekend - 15 June 2024	07:30 - 09:30; 12:00 - 14:00; 17:30 - 19:30	6 hrs

- 2.1.4 From the observed traffic flows in 2024, the weekday AM, Noon, and PM peak hours were identified as 0730-0830 hours, 1230-1330 hours and 1730-1830 respectively. The weekend AM, Noon, and PM peak hours were identified as 0800-0900 hours, 1215-1315 hours and 1730-1830 respectively. The recorded peak hours traffic flows are enclosed in **Appendix A**.
- 2.1.5 Junction and link capacity assessment was carried out. Results of the capacity assessment are shown in **Table 2-3** to **Table 2-6** below.
- 2.1.6 For priority junctions, the performance indicator is the Design Flow to Capacity (DFC) ratio. A DFC ratio less than 1.0 indicates that the junction is operating within design capacity. A DFC ratio greater than 1.0 indicates that the junction is overloaded, resulting in traffic queues and longer delay time to the minor arm

traffic. As per TPDM Volume 2 Chapter 4.3 Cl. 4.3.6.5 for priority junction, a DFC of 0.85 would indicate a reasonable capacity provision which would prevent queuing in most cases. The junction calculation sheets are enclosed in **Appendix B**.

2.1.7 For road links, the performance is evaluated by volume over capacity (V/C) ratio. As per TPDM Volume 1 Chapter 1.4 Cl. 1.4.7.5, a V/C of 0.85 or less indicates a desirable level of traffic on the proposed road with spare capacity for additional traffic in future.

Table 2-3 - Year 2024 Existing Weekday Junction Performance

Junction No.	Location	Junction Performance (DFC)			
		AM	Noon	PM	
J1	Chui Fuk Road / Fuk Hang Tsuen Road	0.11	0.12	0.07	
J2 ·	Chui Fuk Road / Fu Fuk Road	0.02	0.01	0.01	

Table 2-4 - Year 2024 Existing Weekend Junction Performance

Junction No.	Location	Junction Performance (DFC)			
		AM	Noon	PM	
J1	Chui Fuk Road / Fuk Hang Tsuen Road	0.08	0.09	0.06	
J2 -	Chui Fuk Road / Fu Fuk Road	0.01	0.01	0.01	

Table 2-5 - Year 2024 Existing Weekday Road Link Performance

			Capacity (veh/hr, 2 way)	AM		Noon		PM	
Link No.	Location	Туре		Flow (veh/hr, 2 way)	V/C	Flow (veh/hr, 2 way)	V/C	Flow (veh/hr, 2 way)	V/C
L1	Chui Fuk Road	Single-2	800	104	0.13	42	0.05	74	0.09
L2	Fu Fuk Road	Single Track Access Road	100	14	0.14	8	0.08	4	0.04

Table 2-6 - Year 2024 Existing Weekend Road Link Performance

				AM		Noon		PM	
Link No.	Location	Туре	Capacity (veh/hr, 2 way)	Flow (veh/hr, 2 way)	V/C	Flow (veh/hr, 2 way)	V/C	Flow (veh/hr, 2 way)	V/C
L1	Chui Fuk Road	Single-2	800	56	0.07	32	0.04	55	0.07
L2	Fu Fuk Road	Single Track Access Road	100	7	0.07	8	0:08	11	0.11

2.1.8 Results of the analysis indicate that all assessed junctions and links are operating within capacity. It is noted that the recorded peak hour traffic flows and junction and link performance on weekday are in general more critical than those of weekend. Therefore, a conservative approach is adopted in this traffic review by taking the existing weekday traffic flows for further assessment of the impacts due to the new PBG during Ching Ming Festival in following Section 3.

3 Future Traffic Condition

3.1 Assessment Scenarios and Design Year

- 3.1.1 For the assessment of the traffic condition with the new PBG in place, Year 2029 is adopted as the design year in this study, which is 3 years after the expected completion of relocation of all affected graves/ urns (i.e. at Year 2026). Two assessment scenarios will be assessed for the design year, namely:
 - 2029 Reference Case (2029 Background Traffic Flows, by applying annual growth rate to the 2024 surveyed weekday peak hour traffic flow + generated/attracted traffic related to the existing PBGs in the vicinity (i.e. BURGD21, BURGD22 and its vicinity accessed through Chui Fuk Road) during Ching Ming Festival)
 - 2029 Design Case (2029 Reference Case Traffic Flows + generated/attracted traffic related to the new PBG during Ching Ming Festival, with graves and urns in BURGD22 (affected portion) relocated to the new PBG)
- 3.1.2 The methodology adopted to forecast the traffic for the future years is presented in the next section.
- 3.1.3 The forecasted design year 2029 peak hours traffic flows of different scenarios are presented in **Appendix A**.

3.2 Traffic Forecast - Background Traffic Growth

3.2.1 The design year 2029 traffic forecasts are derived by applying annual growth rate to the existing year 2024 weekday peak hours traffic flow. The growth factor would be estimated based on the historical traffic data from ATC published by Transport Department and Territorial Population and Employment Data Matrix (TPEDM) data adopted in the Route 11 Investigation Study, as detailed below.

Annual Traffic Census (ATC):

3.2.2 Reference was made to ATC on the historical annual average daily traffic (AADT) recorded for the past 5 years at counting stations of local roads in the vicinity of the proposed site. The corresponding traffic flows are summarised in **Table 3-1** below.

Table 3-1 - Summary of Annual Average Growth Rate by Annual Traffic Census

Station No.	Location	2018 AADT	2019 AADT	2020 AADT	2021 AADT	2022 AADT	Annual Growth Rate (2018 to 2022) p.a.
5296	Castle Peak Rd – Lingnan	10,030	11,350	10,880	11,320	10,980	3.79%
6213	Castle Peak Rd – Hung Shui Kiu	32,740	33,220	34,710	34,800	34,500	1.32%
6604	Lam Tei Main St	880	960	950	1,020	1,070	5.01%

Station No.	Location	2018 AADT	2019 AADT	2020 AADT	2021 AADT	2022 AADT	Annual Growth Rate (2018 to 2022) p.a.
	Total	43,650	45,530	46,540	47,140	46,550	1.62%

3.2.3 As revealed in above table, a growth rate of **1.62%** is derived from historical traffic data in ATC.

Territorial Population and Employment Data Matrix (TPEDM):

3.2.4 Reference was made to TPEDM data adopted in the Route 11 Investigation Study to obtain the annual growth rate. The growth rate of corresponding Planning Data Zone (PDZ) is summarised in **Table 3-2** below.

Table 3-2 - Summary of Annual Average Growth Rate by TPEDM

Planning Data Zone		Planning Data of 2019		Annual Growth Rate (2019 to 2031) p.a.	
	Population	8,600	6,600	-2.18%	
365	Employment	1,500	1,100	-2.55%	
	Total	10,100	7,700	-2.24%	

- 3.2.5 As revealed in above table, a growth rate of -2.24% is derived from TPEDM data.
- 3.2.6 In order to achieve a conservative approach to the assessment, the larger growth rate derived from ATC will be taken. The adopted annual growth rate is summarized in **Table 3-3** below. This annual growth rate will be used for estimation of reference case traffic flow in the traffic review.

Table 3-3 - Final Adoption of Annual Growth Rate by Comparison

Annual Growth Rate from ATC	Annual Growth Rate from TPEDM	Adopted Annual Growth Rate	Source
1.62%	-2.24%	1.62%	ATC

3.3 Traffic Generation of the PBGs

3.3.1 In order to estimate the vehicle demand to be generated by the new PBG, the existing graves/ urns in the vicinity of BURGD22 (affected portion) and the portion of BURGD21 accessed by Chui Fuk Road during Ching Ming Festival, references are made to Arup's in-house trip rates data of similar facilities. This set of trip rates are derived by observing the peak hour person trips at various private columbarium sites in New Territories on Ching Ming Festival in 2023. The number of niches/graves of the observed columbarium and the associated trip rates are shown in **Table 3-4**.

Table 3-4 - Trip Rate of Surveyed Columbaria on 2023 Ching Ming Festival

Location	No. of	Peak Hour Trip Rate (person/niche/hour)				
	Niches	In	Out	Total		
Tsing Shan Tsuen, Tuen Mun	13,200	0.087	0.084	0.171		
Ching Chung Sin Yuen, Tuen Mun	98,000	0.069	0.066	0.135		
Po Fook Hill, Shatin	56,300	0.099	0.099	0.198		
To Fung Shan, Shatin	3,000	0.130	0.121	0.251		
Lung Shan Temple, Fanling	17,600	0.009	0.010	0.019		
Yuen Yuen Institute, Tsuen Wan	50,000	0.120	0.116	0.237		
Kwai Chung Columbarium, Kwai Chung	3,300	0.141	0.129	0.269		
Fung Ying Sin Koon, Fanling	28,000	0.147	0.142	0.289		
Adopted Trip Rate		0.147	0.142	0.289		

- 3.3.2 For conservative approach, the highest trip rate observed amongst the surveyed sites will be adopted to estimate the peak hour pedestrian trip flows associated with the PBG. The trip rates are shown in bolded in **Table 3-4**.
- 3.3.3 It is recorded that there are around 180 nos. of graves and 251 nos. of urns in BURGD22 (affected portion) and its vicinity likely to be accessed by Chui Fuk Road up until November 2023. Among them, it is expected that 87 nos. graves and 55 nos. urns will be affected by the works of Route 11 and will be fully relocated to the new PBG by 2026. Assuming BURGD21 has similar grave features distribution as BURGD22, BURGD21 is estimated to have 640 nos. grave features proportional to its area. In addition, it is noted that BURGD21 is accessible from Tuen Kwai Road, Fui Tei Road and Chui Fuk Road. It is assumed that 1/3 of the grave sweepers of BURGD21 (i.e. 640 / 3 = 214 nos. of grave) would access via Chui Fuk Road.
- 3.3.4 Based on the record from 1983 to 2023, the average number of annual issuance of Burial Certificates for BURGD21 and BURGD22 is 3.5 and 1.5 respectively. To estimate the future number of graves and urns of BURGD21 and the new PBG in the design year, the number of issuance of Burial Certificate will be conservatively taken as 4 and 2 per year for BURGD21 and the new PBG respectively. The anticipated number of graves and urns of the portion of BURGD21 likely to be accessed by Chui Fuk Road (i.e. 1/3 portion), BURGD22 (affected portion) and the new PBG is shown in **Table 3-5**.

Table 3-5 – Anticipated numbers of graves/ urns in the new PBG, BURGD22 (Affected Portion) and the portion of BURGD21 likely to be accessed by Chui Fuk Road (i.e. 1/3 portion)

Location	Year 2024 Number of Graves/ Urns	Year 2026 Number of Graves/ Urns	Year 2029 Number of Graves/ Urns
BURGD21 (1/3 portion)	214 +	217 ++	221 +++
BURGD22 (affected portion) and its vicinity	431 *	289 **	289 **
New PBG	-	146 #	152 ##

Note:

3.3.5 As the closest public transport service is situated in more than 1 km away from the subject burial grounds, it is conservatively assumed that all visitors will access the burial grounds by private vehicles or taxis, with assumption of 2 passengers per vehicle. The associated pedestrian and vehicular trip generated and attracted by the burial grounds in the design year are shown in **Table 3-6**.

Table 3-6 - Anticipated Number of Trips in Peak Hour

Location	Number of Graves/		Rate niches/hr)	Tr	strian ips l/hr)	No. of Passenger	Tr	cular ips ı/hr)
	Urns in Year 2029	In	Out	In	Out	per Vehicle	In	Out
BURGD21 (1/3 portion) **	221	0.147	0.142	32	31	2	16	16
BURGD22 (affected portion) and its vicinity *	289	0.147	0.142	42	41	2	21	21
New PBG **	152	0.147	0.142	22	22	2	11	11

Note:

^{+ 640/3}

^{++ 214 + 4}x(2026-2024) / 3

⁺⁺⁺²¹⁴⁺⁴x(2029-2024)/3

^{* 180+251}

^{** (180+251) - (87+55)}

[#] (87+55) + 2x(2026-2024)

^{##} (87+55) + 2x(2029-2024)

^{*} Accessed via Chui Fuk Road only

^{**} Accessed via Chui Fuk Road & Fu Fuk Road

3.4 Junction and Link Capacity Assessment

3.4.1 Junction and link capacity assessment was undertaken. The performance of the assessed junctions and links for the Year 2029 reference and design scenarios are listed in **Tables 3-7 and 3-8**. The junction calculation sheets are attached in **Appendix B**.

Table 3-7 - Year 2029 Junction Performance during Ching Ming Festival

Junction	Location		Juncti	on Perfo	rmance	(DFC)	
No.		Ref	ference C	ase	D	esign Ca	se
		AM	Noon	PM	AM	Noon	PM
J1	Chui Fuk Road / Fuk Hang Tsuen Road	0.20	0.14	0.16	0.20	0.14	0.16
J2	Chui Fuk Road / Fu Fuk Road	0.06	0.05	0.04	0.07	0.07	0.06

Table 3-8 - Year 2029 Road Link Performance during Ching Ming Festival

				Reference Case						Design Case					
Link			Capacity	Al	M	No	on	PI	М	Al	М	No	on	PN	И
No.	Location	Туре		Flow (veh/hr, 2 way)	V/C	Flow (veh/hr, 2 way)		Flow (veh/hr, 2 way)	V/C						
Ll	Chui Fuk Road	Single-2	800	209	0.26	145	0.18	182	0.23	209	0.26	145	0.18	182	0.23
L2	Fu Fuk Road	Single Track Access Road	100	57	0.57	50	0.50	46	0.46	79	0.79	72	0.72	68	0.68

3.4.2 All analysed results revealed the assessed junctions and links would still be performing with ample capacity in Year 2029 with the new PBG in place during Ching Ming Festival.

4 Summary and Conclusion

4.1 Summary

- 4.1.1 Following the memo ref. TPB/A/TM-LTYY/472 dated 30 April 2024, and Transport Department's reply (memo ref. (NQM7T) in TD NR157/161/TMDD-130 dated 22 May 2024), a traffic review was conducted to reveal the existing traffic conditions and to estimate the traffic impact brought by the new PBG on Chui Fuk Road and Fu Fuk Road.
- 4.1.2 To appreciate the existing traffic conditions, comprehensive classified traffic counts were conducted at the key junctions and links. Junction and link capacity analysis have been carried out at the assessed junctions and road links and the results indicated that all assessed junctions and links are currently operating within capacity during both morning, noon and evening peaks on weekday and weekend.
- 4.1.3 Traffic forecast and junction and link capacity assessment were undertaken for scenarios of design year 2029. All analysed results revealed that the assessed junctions and links would be performing with ample capacity with the new PBG in place during Ching Ming Festival.

4.2 Conclusion

4.2.1 Based on the above discussion, it is concluded that the new PBG would not induce adverse impact on the surrounding road network. Therefore, the new PBG is considered acceptable in traffic point of view.

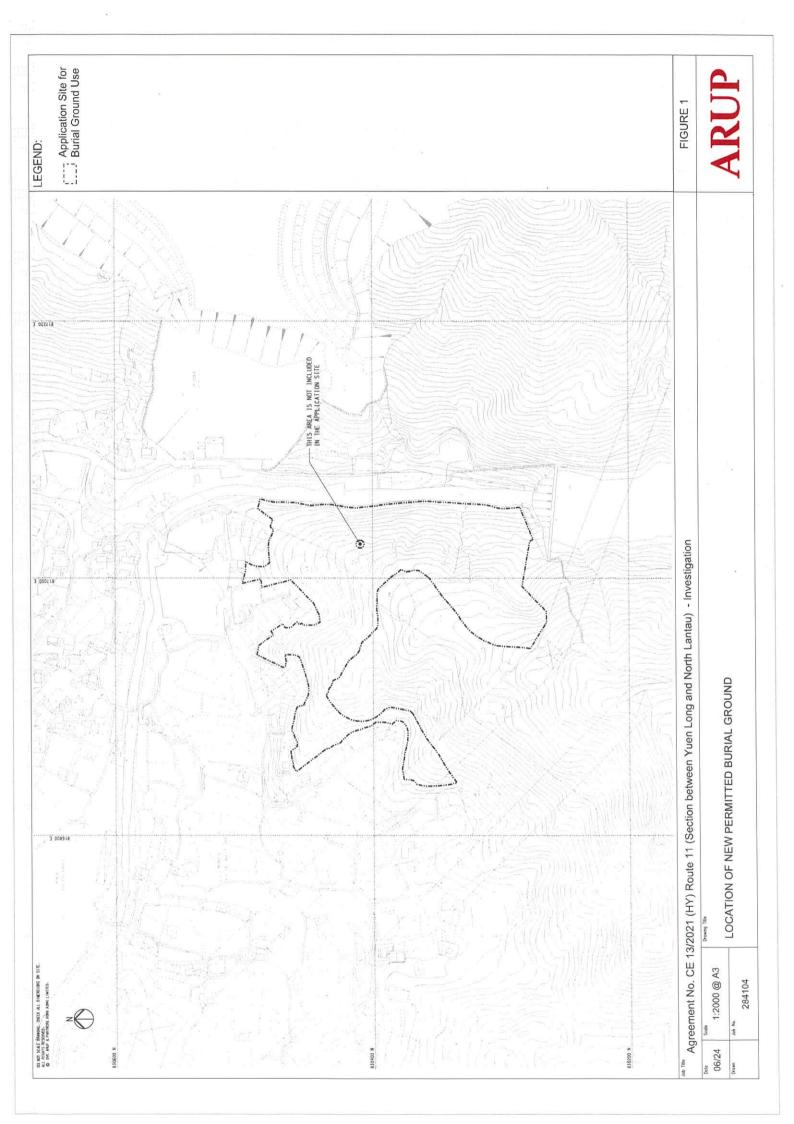
Agreement No. CE 13/2021 (HY)

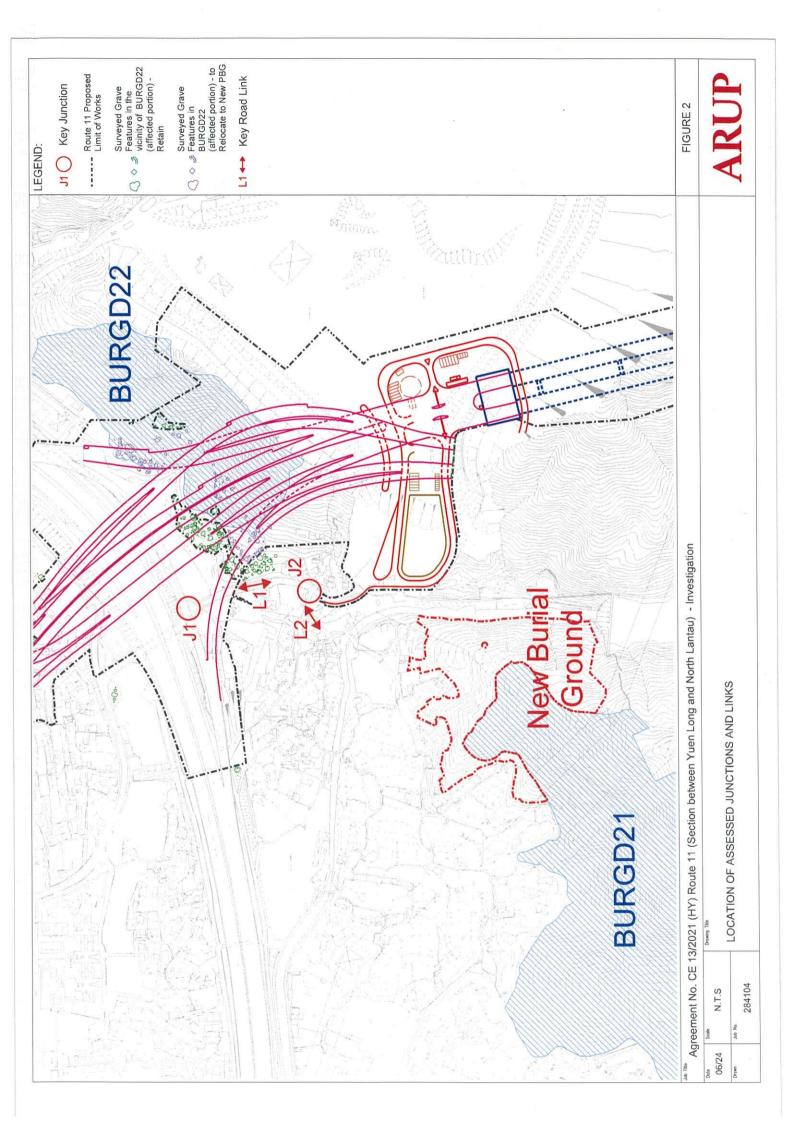
Route 11 (Section between Yuen Long and North Lantau) – Investigation

Application for Permission under Section 16 of the Town Planning Ordinance (Cap. 131) for New Permitted Burial

Ground at Lam Tei - Traffic Review Report

Figures





Appendix A

Summary of Peak Hour Traffic Flow

you (59) (59)			₹z	LEGEND: 100 AM PEAK HOUR FLOW (PCU/HR) (100) Noon PEAK HOUR FLOW (PCU/HR) (100) PM PEAK HOUR FLOW (PCU/HR)	
Sol (75)				n.*	
Sel (75)	#7 #1			29	
	Fuk Hang Tsuen Road			1	
	← 165 [180] (75)			a a	
				-	
	chui Fuk Road				
	(50)				
	[oz] sv→	a d			
	12				_
				,	. 8
	Chui Fuk Road				ę)
				Project Title: Agreement No. CE 13/2021 (HY) Route 11 (Section between Yuen Long and North Lantau) – Investigation	× ,
				٠	-
				Drawing Thie. 2024 OBSERVED WEEKDAY PEAK HOUR TRAFFIC FLOW (SHEET 1 OF 1)	
					ı

Chui Fuk Road

175 [205] (95) 11
75 [205] (30) 11
Fuk Hang Tsuen Road

15 [5] (0) 35 [20] (50)

(00) [07] St

10 [5] (5)

20 [15] (35) 0 [0] (0)

100 AM PEAK HOUR FLOW (PCU/HR) [100] NOON PEAK HOUR FLOW (PCU/HR) [100] PM PEAK HOUR FLOW (PCU/HR)			27				4	Project Tribe: Agreement No. CE 13/2021 (HY) Route 11 (Section between Yuen Long and North Lantau) – Investigation	Drawing Tible: Z024 OBSERVED WEEKEND PEAK HOUR TRAFFIC FLOW (SHEET 1 OF 1)	
₹ z				÷						
	es u									
				y s						
	uen Road									
	Fuk Hang Tsuen Road 185 [140] (70)		Chui Fuk Road	(5) [01] SI —) 27		Chui Fuk Road			
	15.00 15.00	10 [0] (5) 20 [15] (35)	Chui Fuk Road	(s) [ot] st — (s) [s] s	1 (8) (8) (9)	10 [5] (20) 0 [0] (0)				
	130 [155] (30 [20] (Fuk Hang Tsuen Road				Fu Fuk Road					

	₹z	LEGEND: 100 AM PEAK HOUR FLOW (PCU/HR) [100] NOON PEAK HOUR FLOW (PCU/HR) (100) PM PEAK HOUR FLOW (PCU/HR)
S0) → J1 Fuk Hang Tsuen Road ← 180 [195] (80)		-
Fuk Hang Tsuen Road 5 [10] (10) 6 [20] [20] (10)		
Chui Fuk Road Chui Fuk Road		
(0z) [0z] 0s (st) [52] 0z		
25 [25] (20) (20) (20) (20) (20) (20) (20) (20)		В
Chul Fuk Road		
		Project Trie: Agreement No. CE 13/2021 (HY) Route 11 (Section between Yuen Long and North Lantau) – Investigation
	er e	Drawing Trite: 2029 REFERENCE CASE WEEKDAY PEAK HOUR TRAFFIC FLOW

IR) (HR)	4. 		c.	pue 8	ноия
LEGEND: 100 AM PEAK HOUR FLOW (PCU/HR) [100] Noon PEAK HOUR FLOW (PCU/HR) (100) PM PEAK HOUR FLOW (PCU/HR)				Project Trale: Agreement No. CE 13/2021 (HY) Route 11 (Section between Yven Long and North Lantau) – Investigation	Drawing Tale: 2029 DESIGN CASE WEEKDAY PEAK HOUR TRAFFIC FLOW
≪z		,			
		w			

Chui Fuk Road

20 [15] (40) 5 [5] (5)

Fuk Hang Tsuen Road

180 [195] (80)

185 [220] (105) 1130 [75] (80)

Fuk Hang Tsuen Road

Chui Fuk Road

Chui Fuk Road

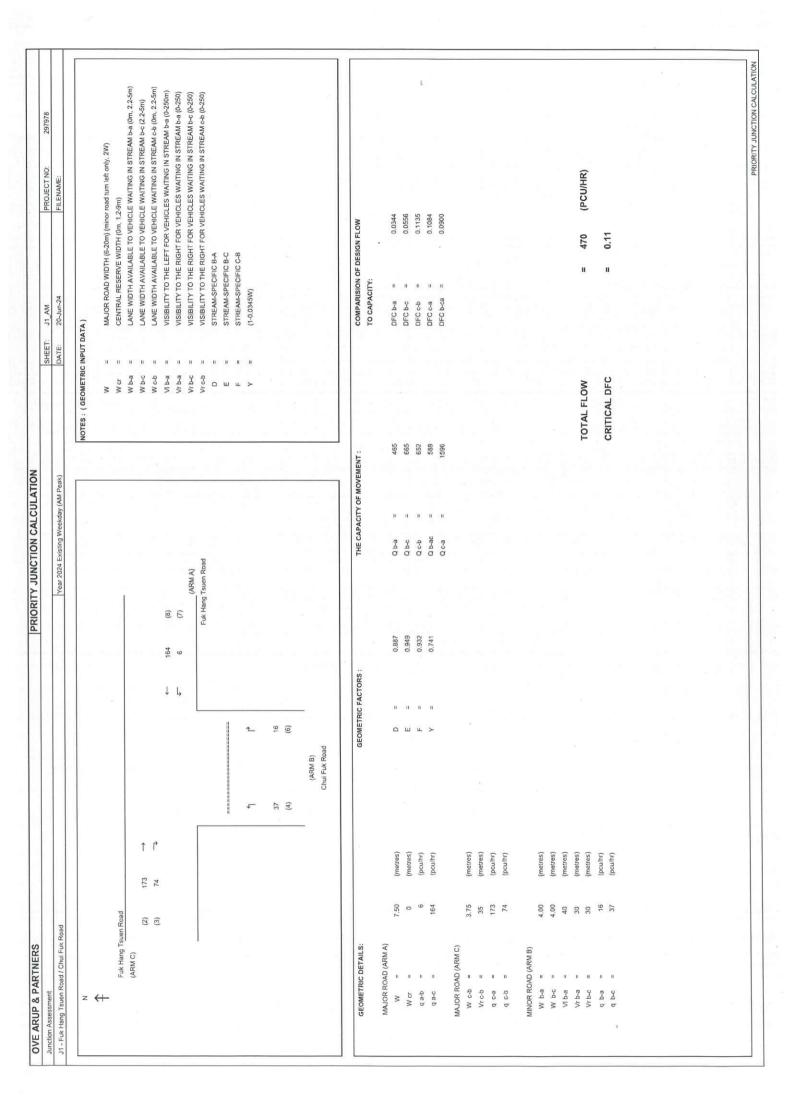
15 [5] (5) 90 [70] (100) 20 [20] (20)

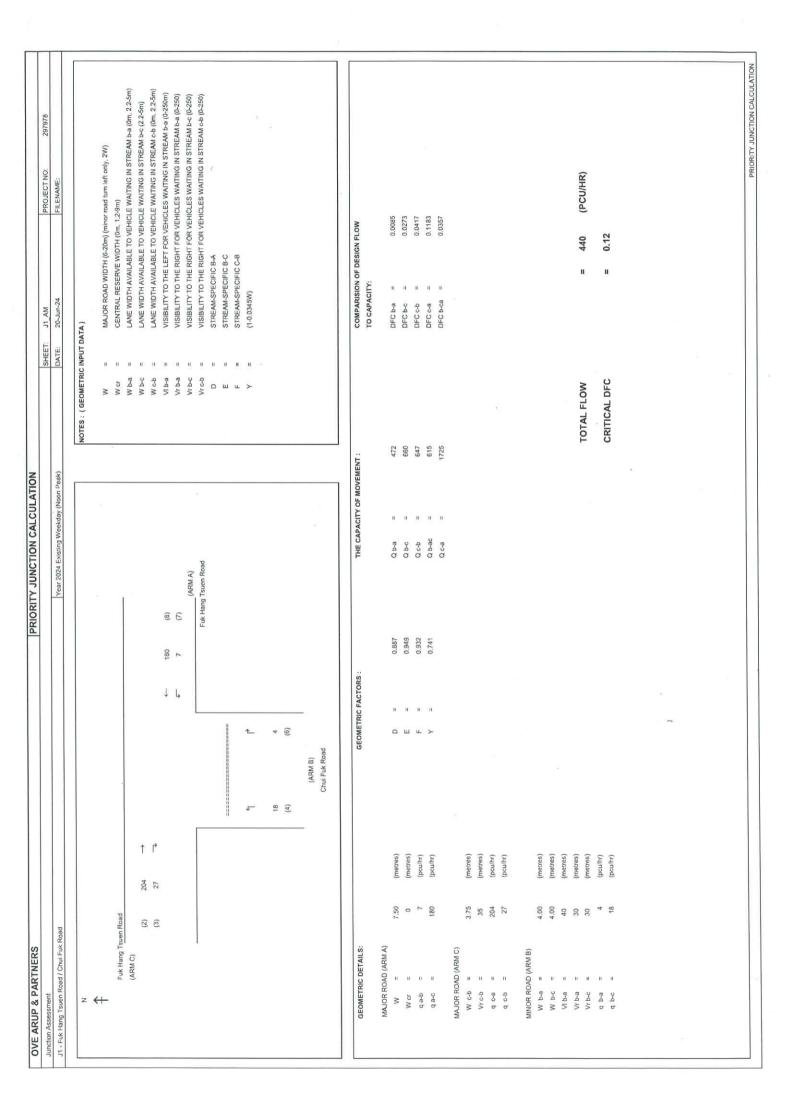
40 [35] (30)

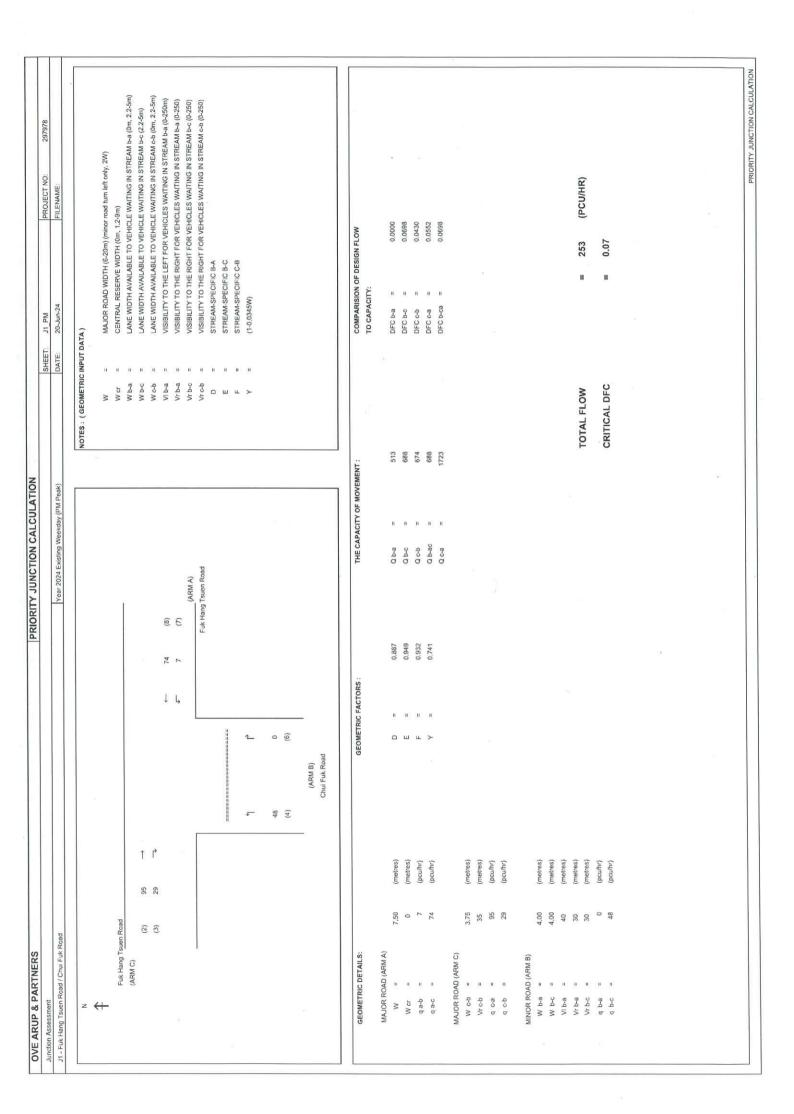
Fu Fuk Road

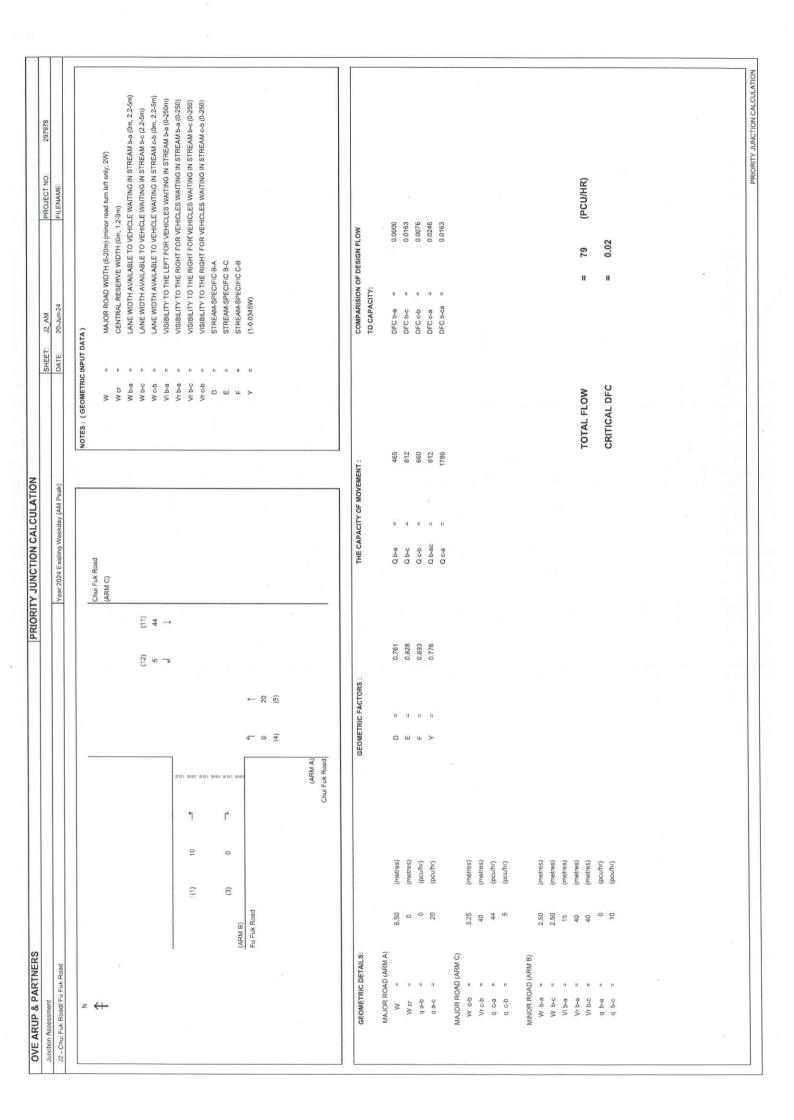
Appendix B

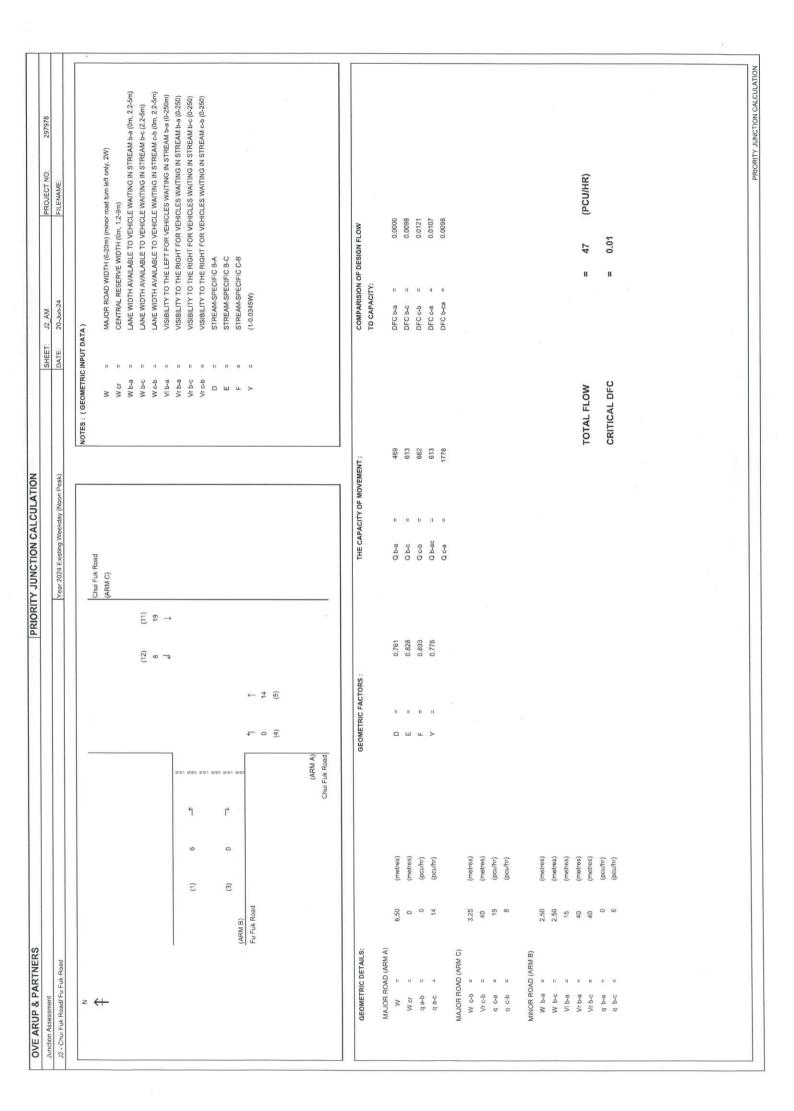
Detailed Junction Calculation

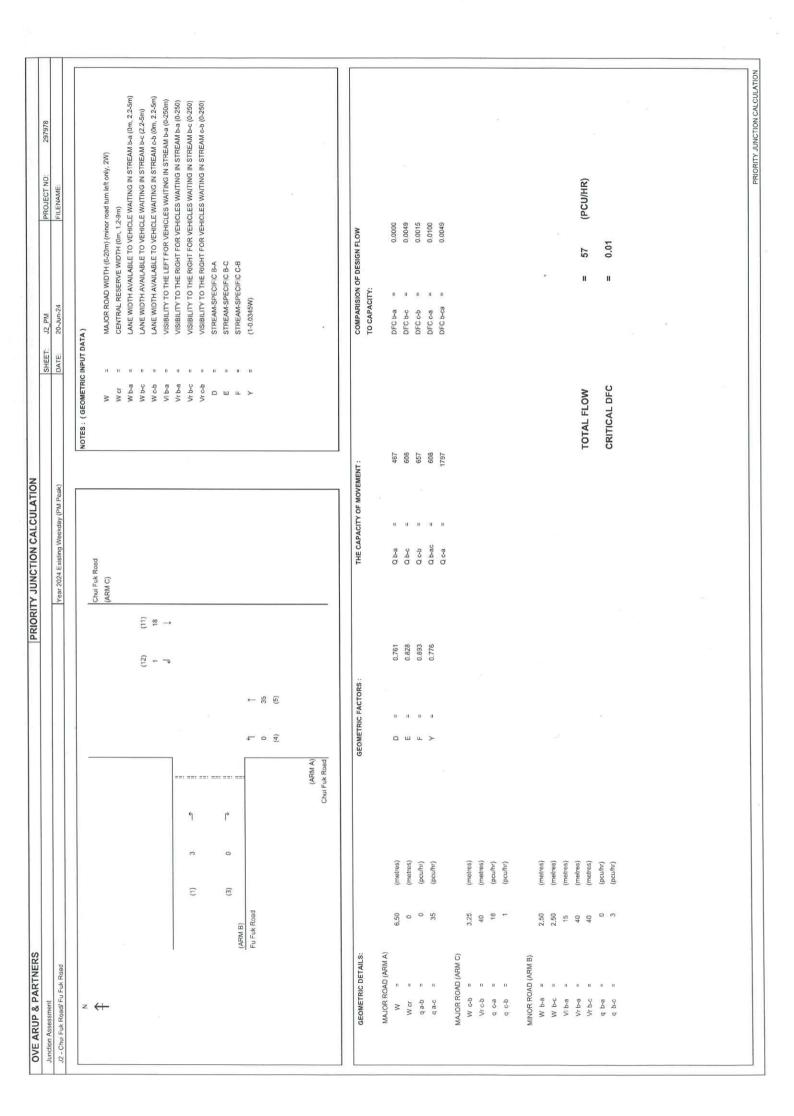


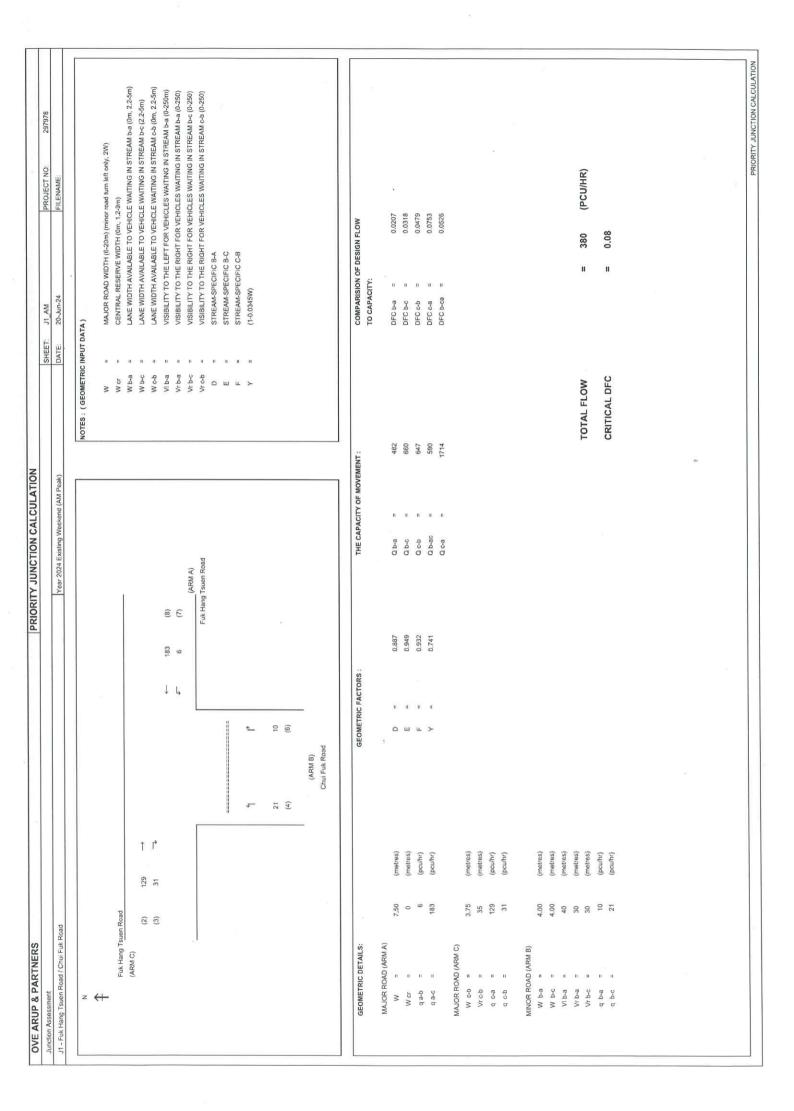


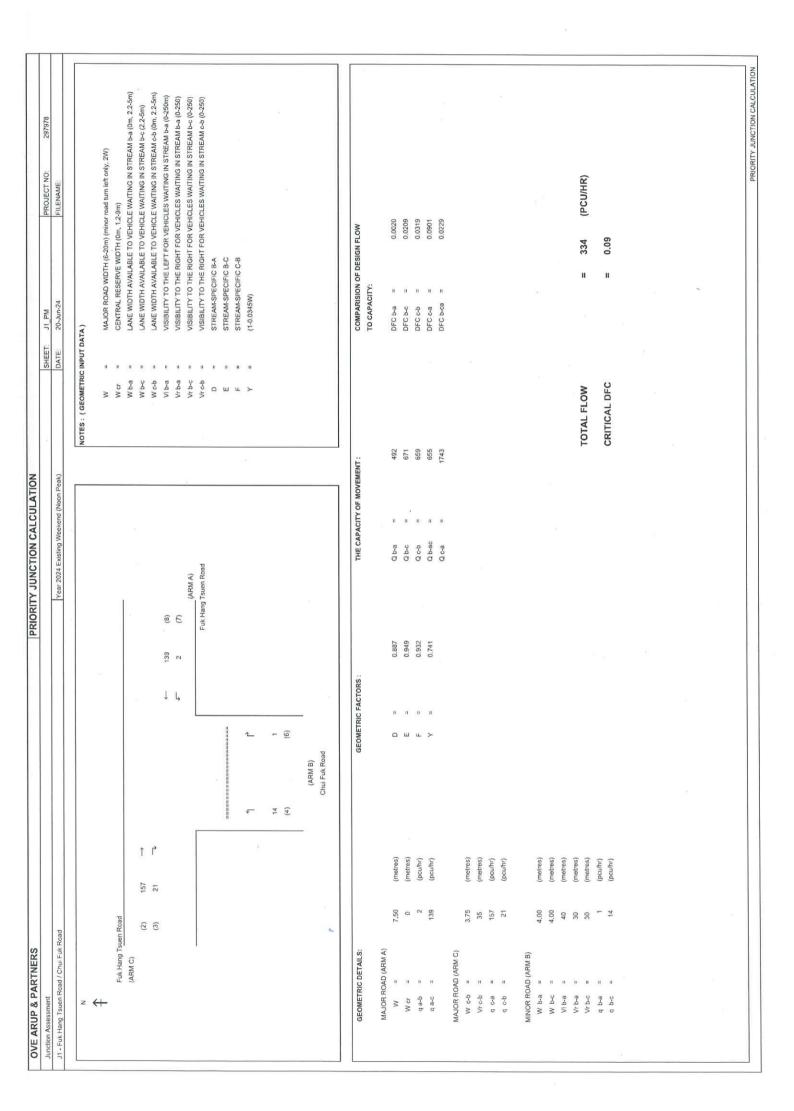


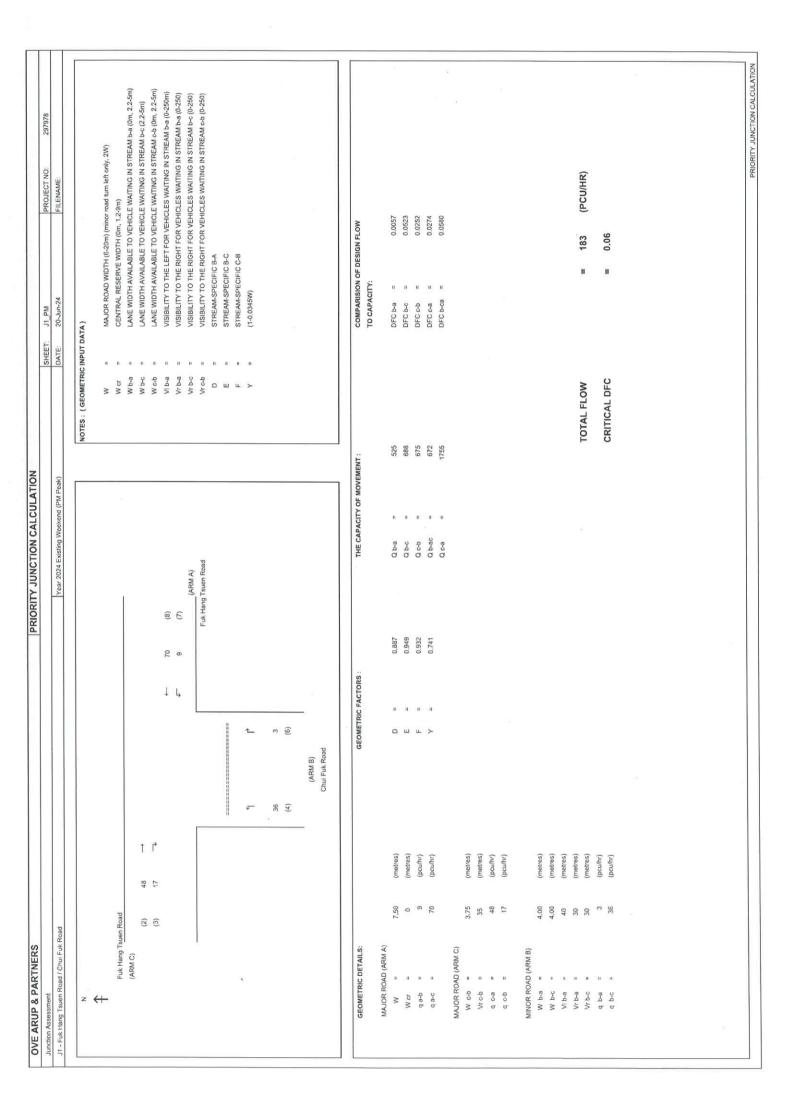


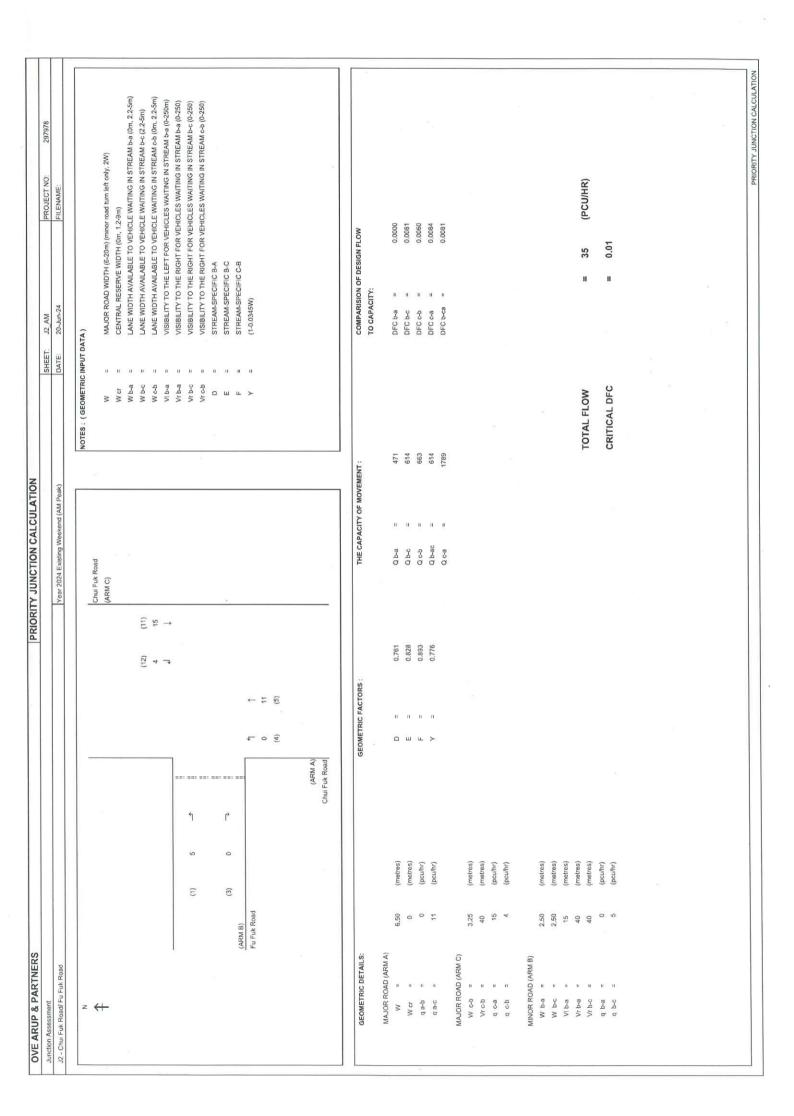


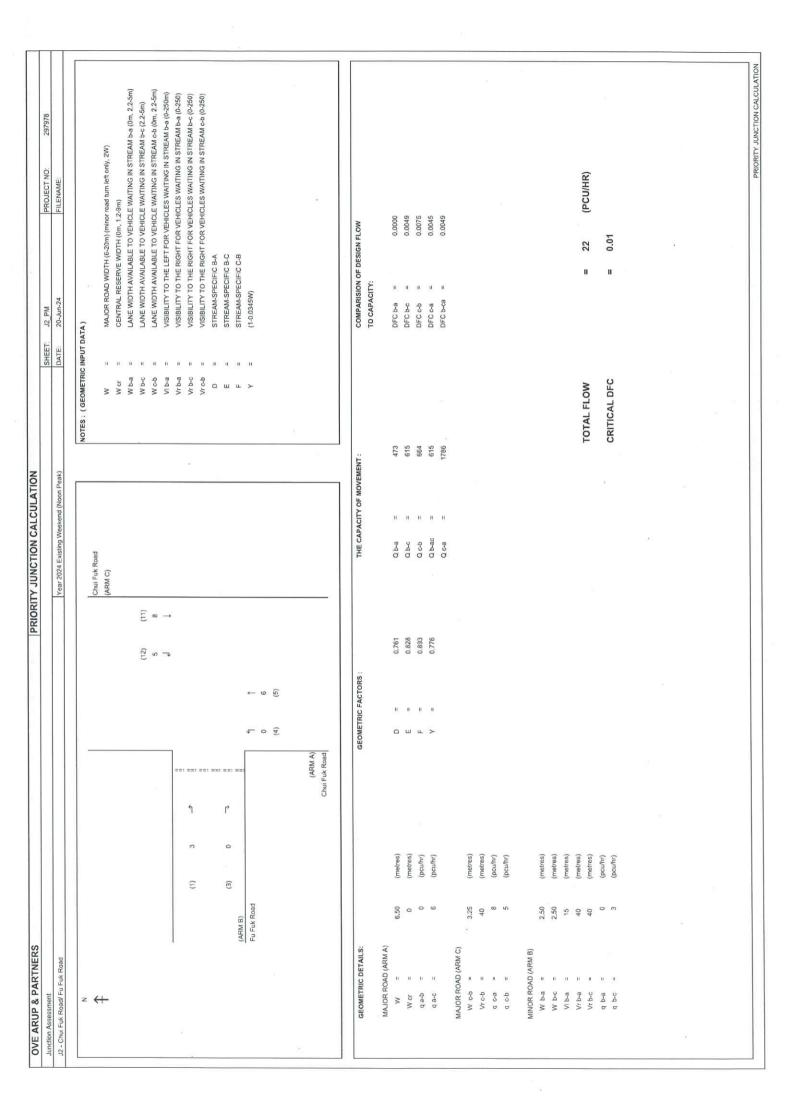


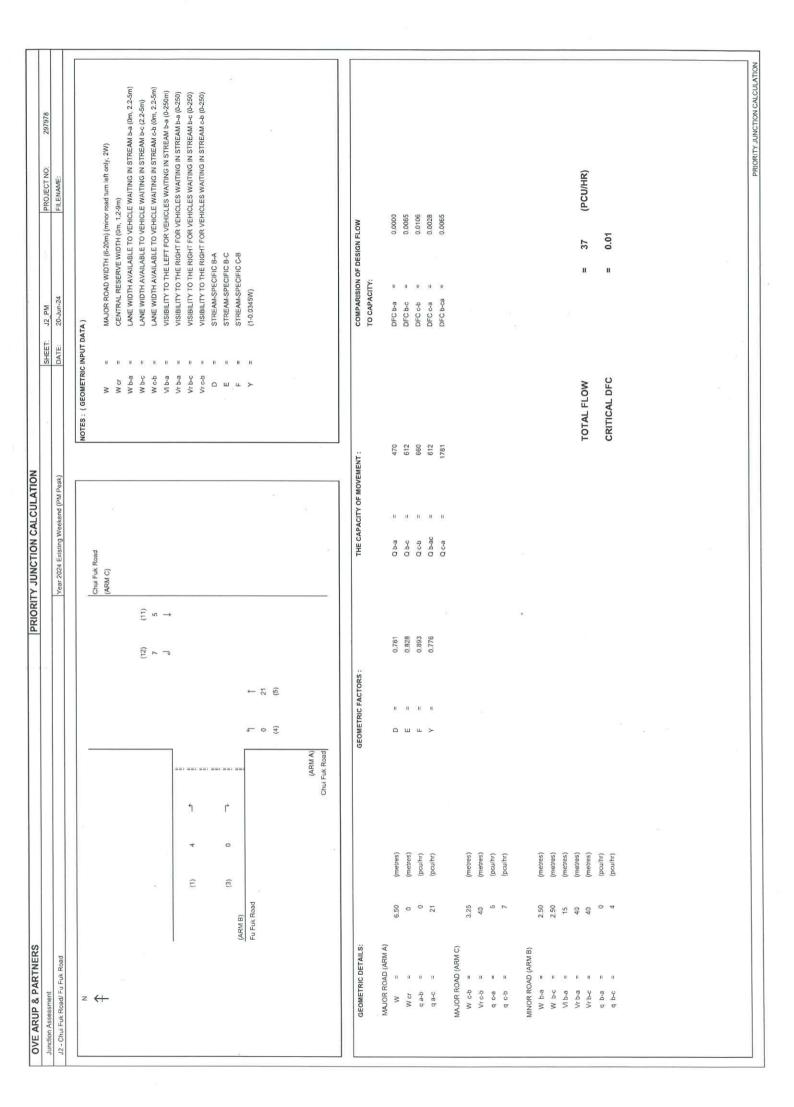


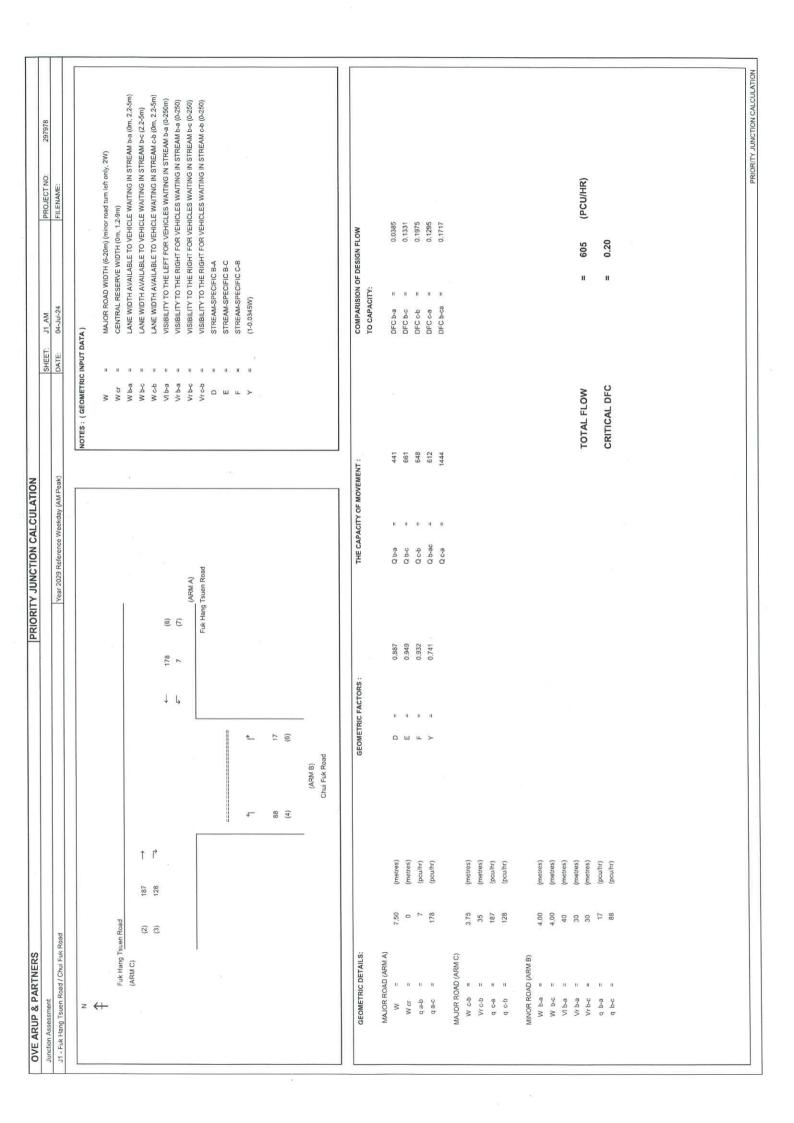


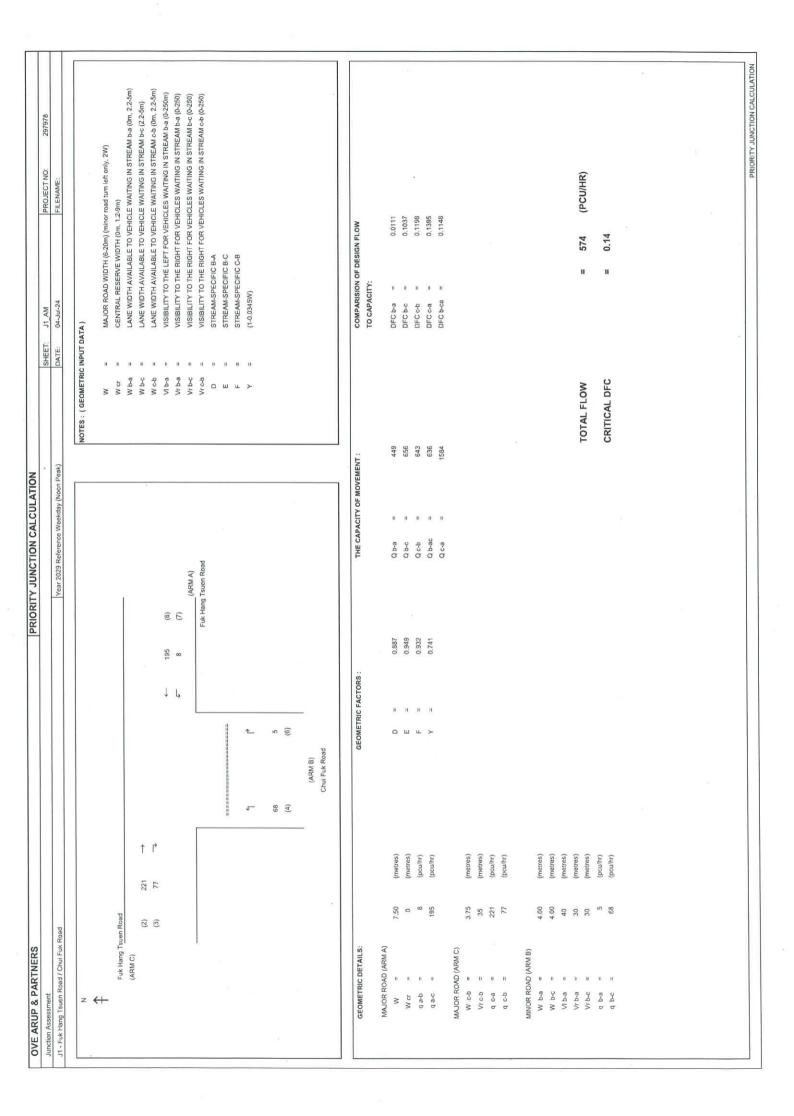


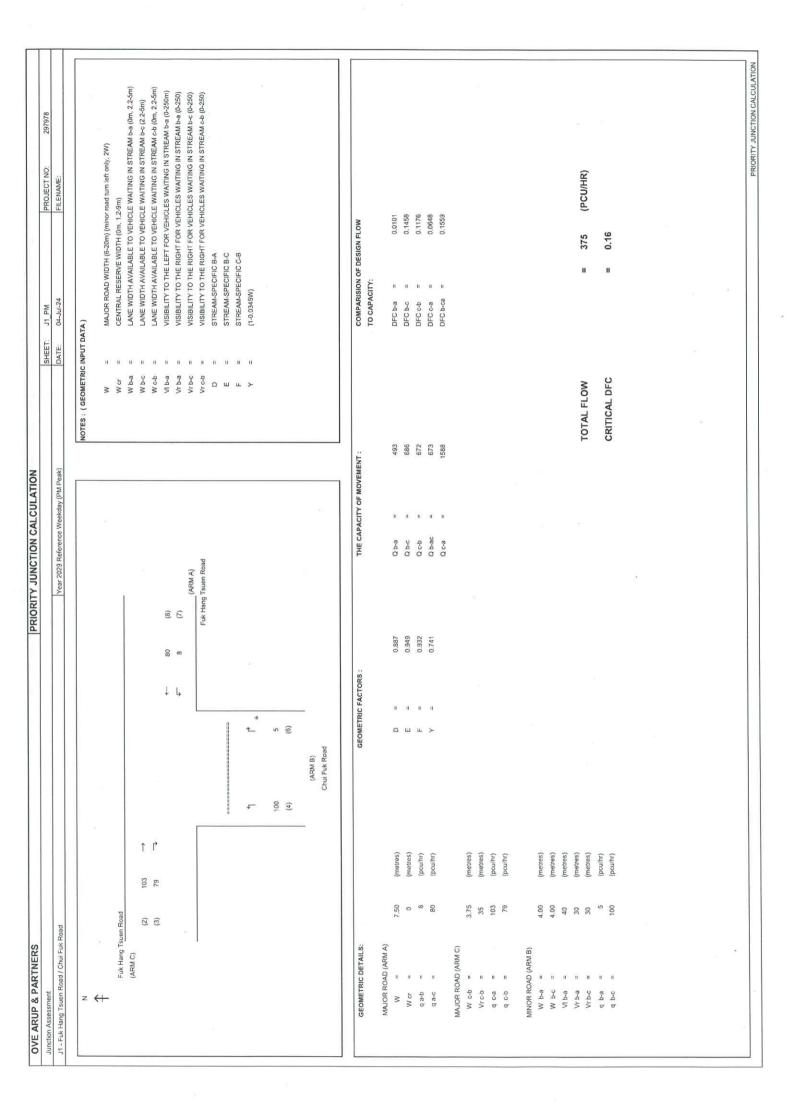


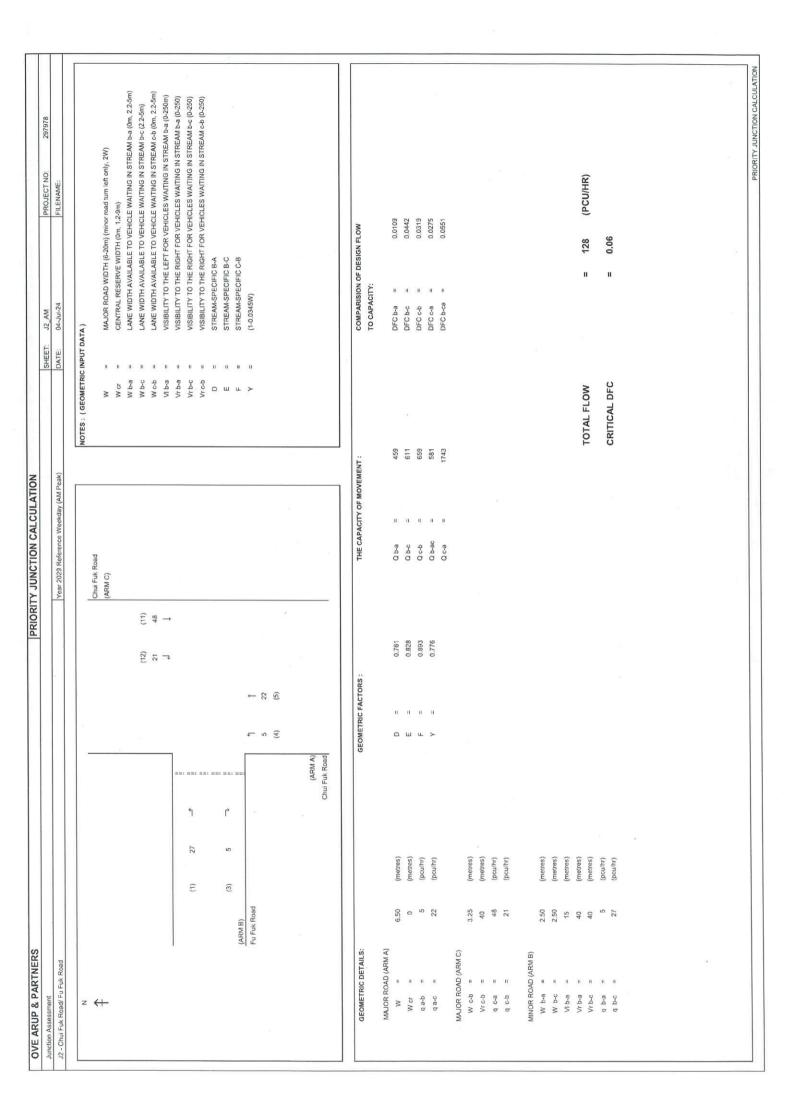


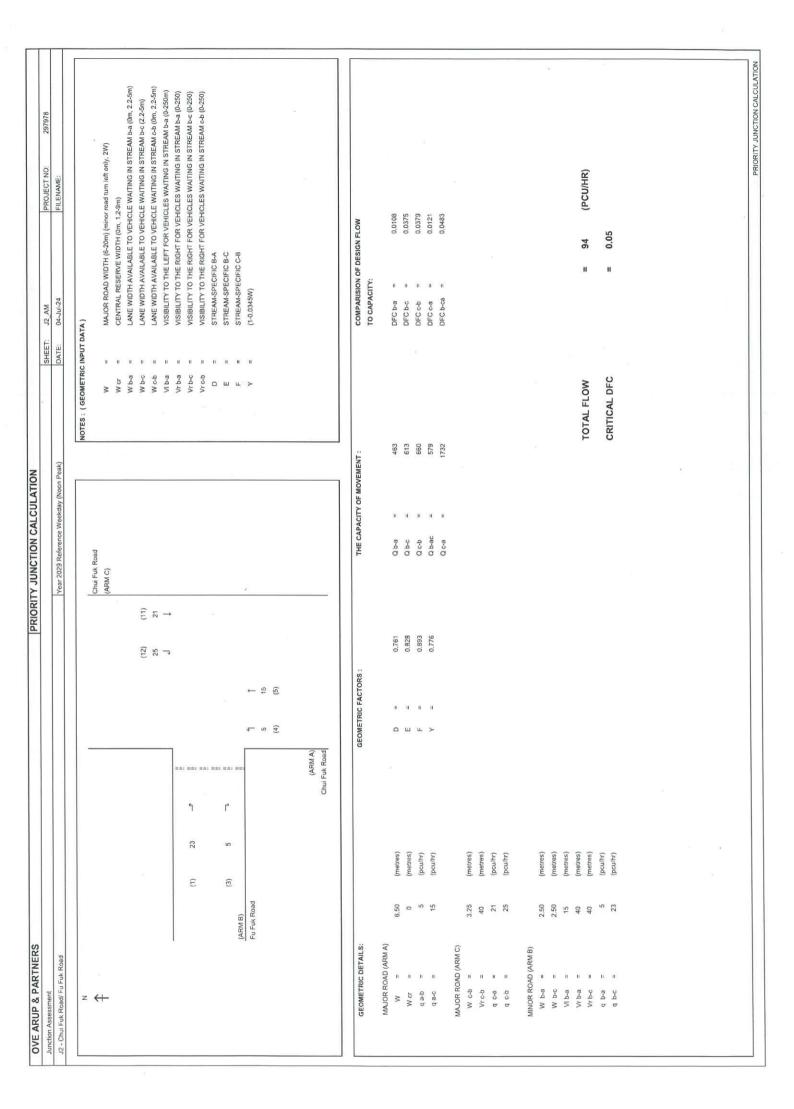


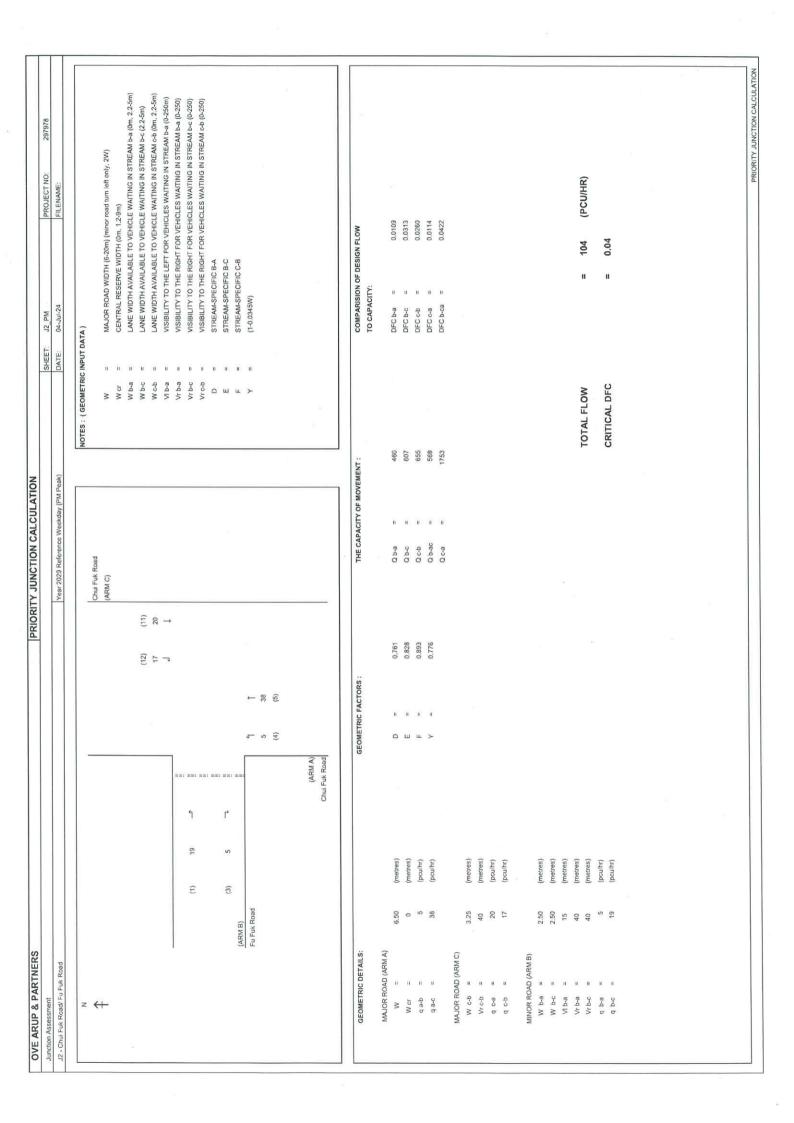


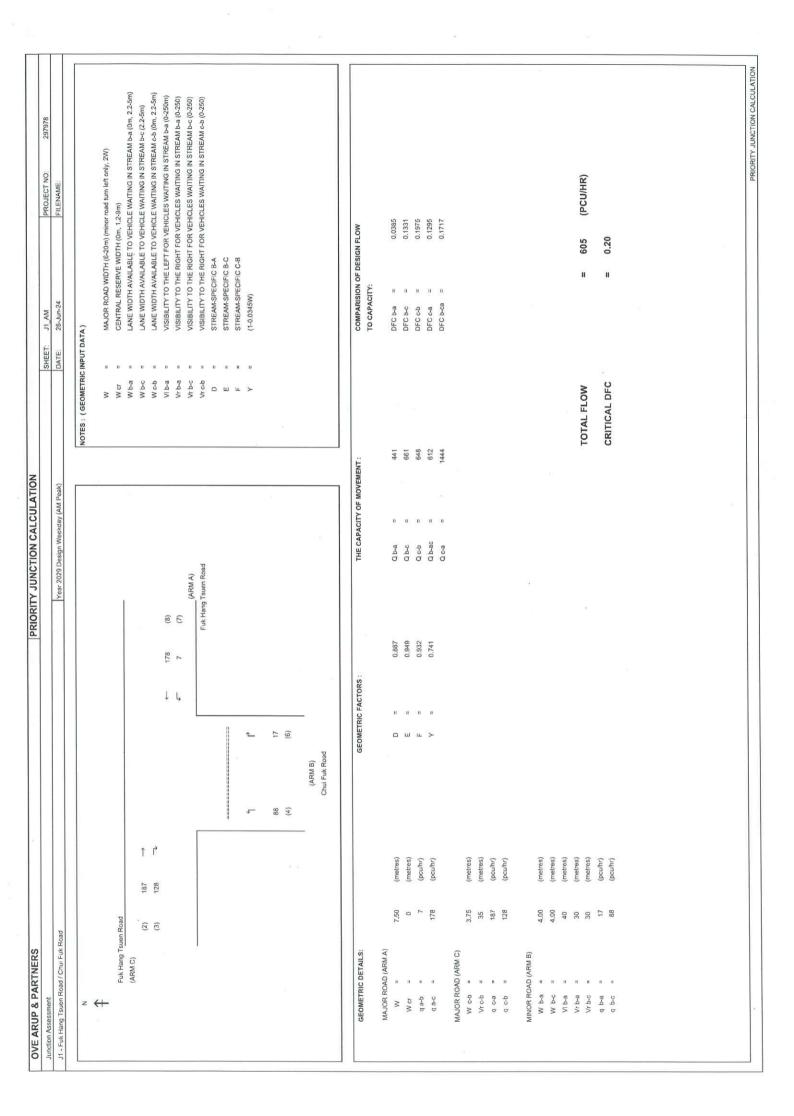


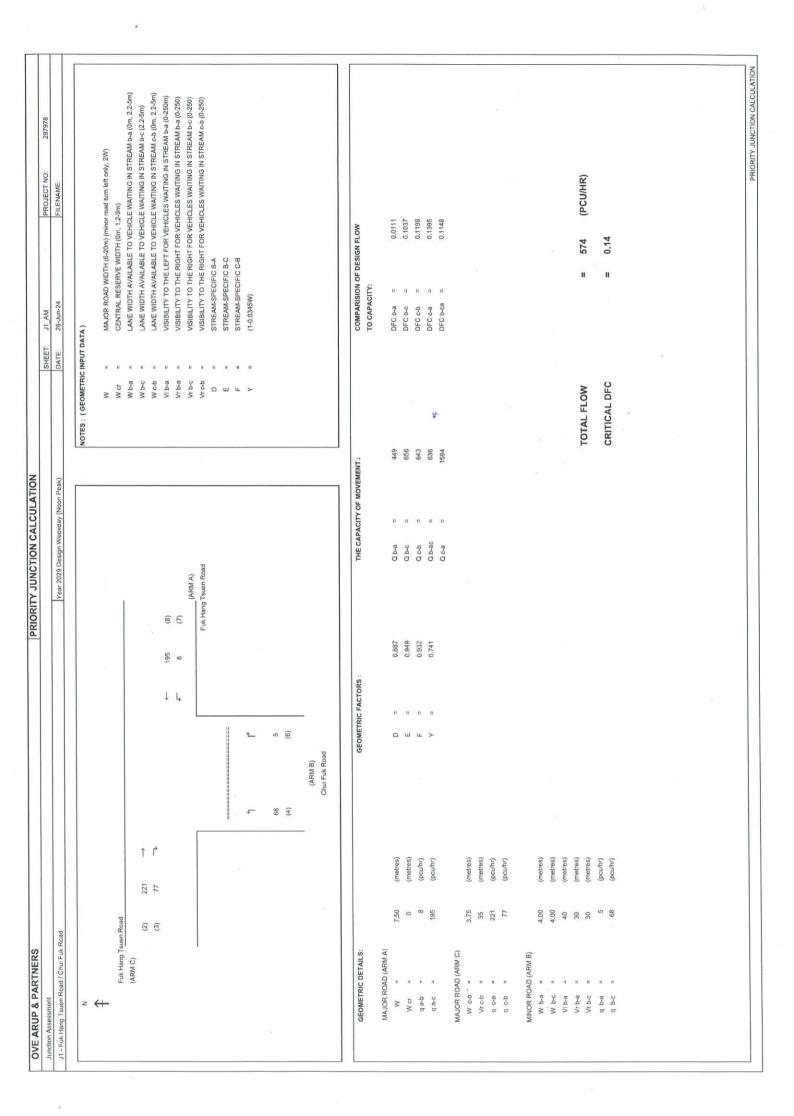


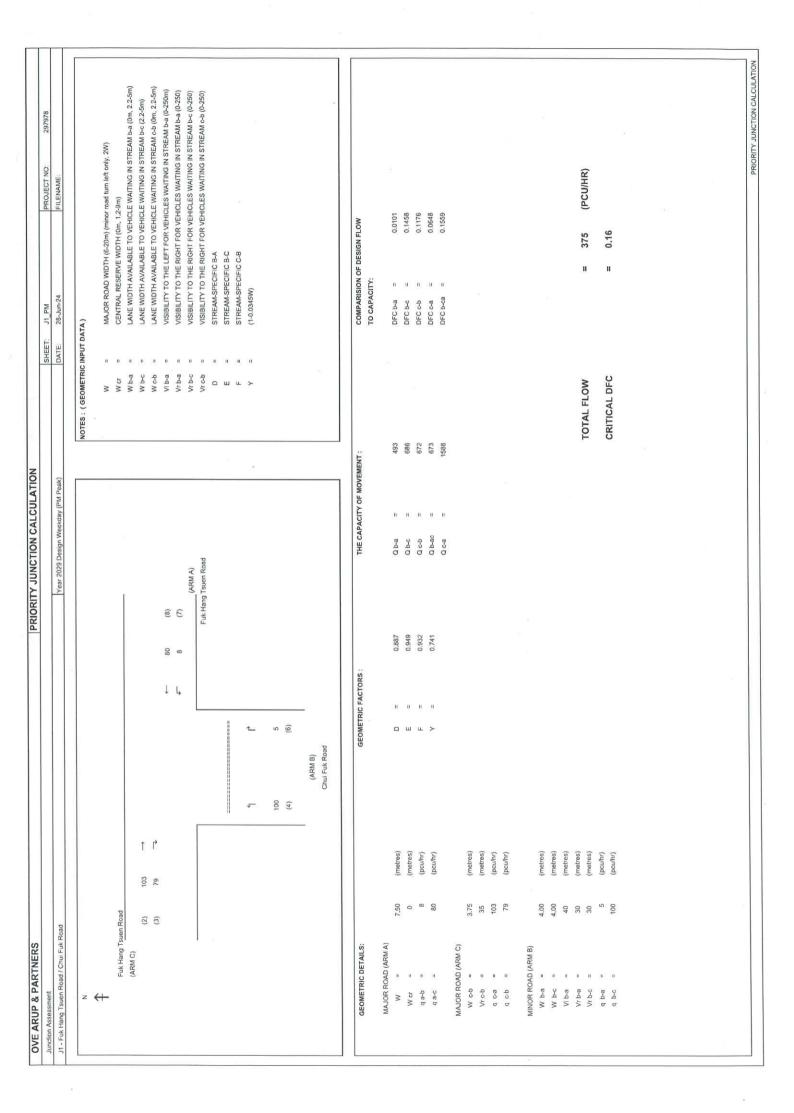


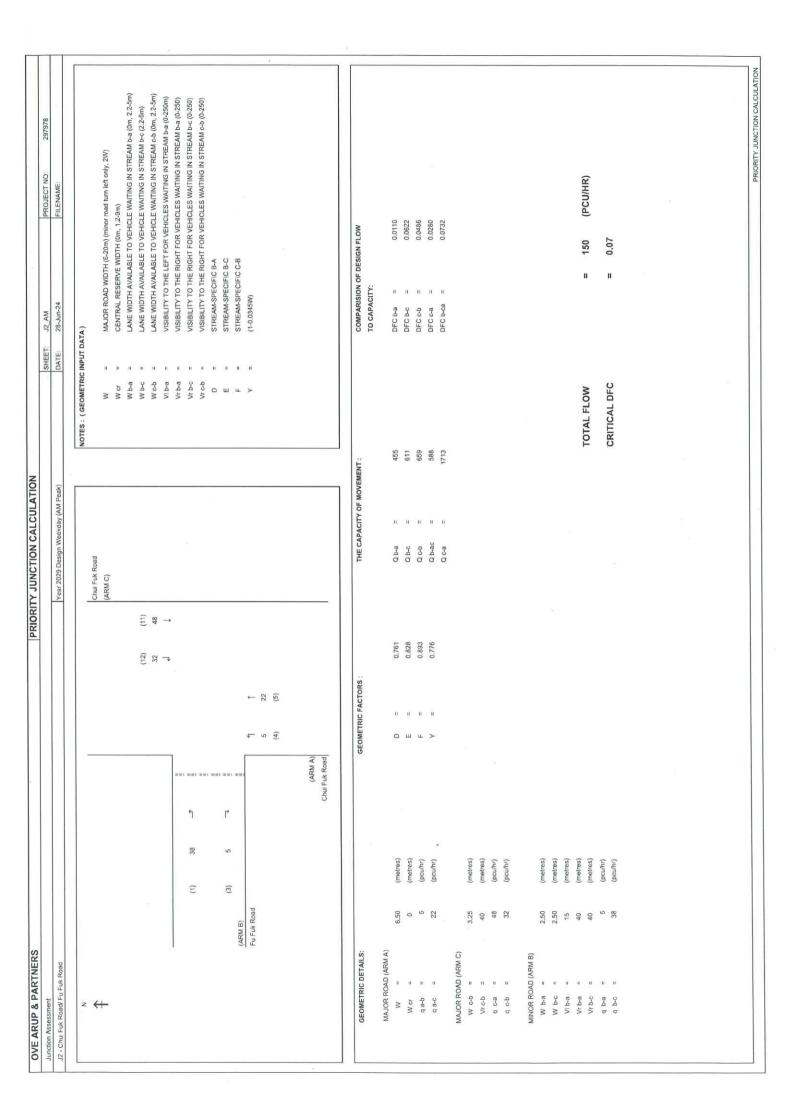


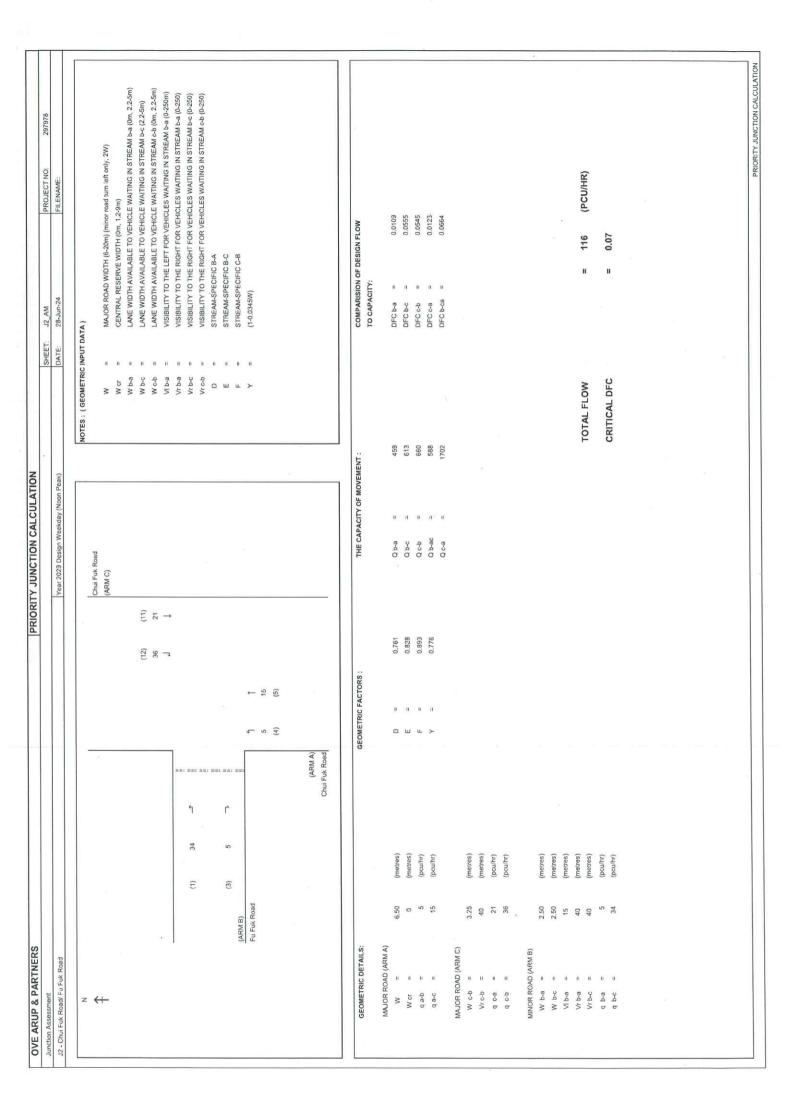


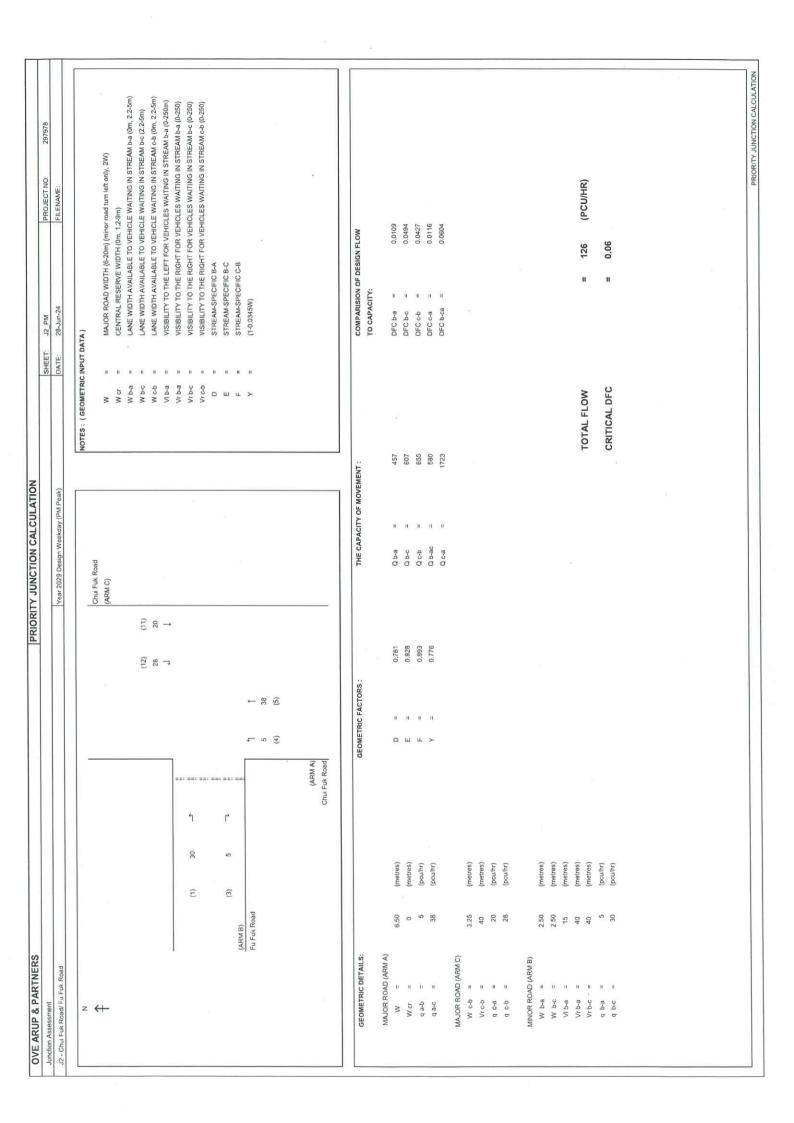












Extract of Town Planning Board Guidelines for Application for Development within Green Belt Zone under Section 16 of the Town Planning Ordinance (TPB-PG No. 10)

The relevant assessment criteria are as follows:

- (a) There is a general presumption against development (other than redevelopment) in a "Green Belt" ("GB") zone. In general the Board will only be prepared to approve applications for development in the context of requests to rezone to an appropriate use.
- (b) An application for new development in a "GB" zone will only be considered in exceptional circumstances and must be justified with very strong planning grounds. The scale and intensity of the proposed development including the plot ratio, site coverage and building height should be compatible with the character of surrounding areas. With the exception of New Territories Exempted Houses, a plot ratio up to 0.4 for residential development may be permitted.
- (c) Applications for G/IC uses and public utility installations must demonstrate that the proposed development is essential and that no alternative sites are available. The plot ratio of the development site may exceed 0.4 so as to minimize the land to be allocated for G/IC uses.
- (d) Passive recreational uses which are compatible with the character of surrounding areas may be given sympathetic consideration.
- (e) The design and layout of any proposed development should be compatible with the surrounding area. The development should not involve extensive clearance of existing natural vegetation, affect the existing natural landscape, or cause any adverse visual impact on the surrounding environment.
- (f) The proposed development should not overstrain the capacity of existing and planned infrastructure such as sewerage, roads and water supply. It should not adversely affect drainage or aggravate flooding in the area.
- (g) The proposed development should not overstrain the overall provision of G/IC facilities in the general area.

- (h) The proposed development should not be susceptible to adverse environmental effects from pollution sources nearby such as traffic noise, unless adequate mitigating measures are provided, and it should not itself be the source of pollution.
- (i) Any proposed development on a slope or hillside should not adversely affect slope stability.

Recommended Advisory Clauses

- (a) to note the comments of the District Lands Officer/Tuen Mun, Lands Department that:
 - (i) the proposed burial ground will not constitute an unacceptable health, fire or erosion hazard or cause any nuisance, disturbance to nearby residents;
 - (ii) in general, the proposed burial ground should avoid any conservation zones designated for protection of natural landscapes and habitats (e.g. Country Park, Coastal Protection Area, Site of Special Scientific Interest, Green Belt, Conservation Area and Other Specified Uses (Comprehensive Development and Wetland Enhancement Area/Comprehensive Development to include Wetland Restoration Area), etc.) on statutory town plans; or sites protected under the Country Parks Ordinance or the Marine Parks Ordinance (e.g. Country Park, Special Area and Marine Park)/identified by Agricultural, Fisheries and Conservation Department as Sites of Special Scientific Interest, which may not be covered by any statutory town plans, so as to prevent causing damage to the ecological habitat with conservation value. However, if the proposed location inevitably covers or overlaps with these areas, the relevant legislation and any other applicable government requirements will have to be complied with before the application can be further processed; and
 - (iii) for tree felling within the Permitted Burial Ground (PBG), please note that no trees should be felled without the consent of the relevant authorities. If tree felling is unavoidable for burials within the PBG, tree felling application should be submitted to the Lands Department (LandsD) for permission and LandsD will process the application under their prevailing mechanism set up by the Home Affairs Department as appropriate;
- (b) to note the comments of the Director of Environmental Protection that:
 - the applicant is advised to comply with all relevant environmental pollution control ordinance during construction and to implement appropriate mitigiation measures / practices as set out in the Recommended Pollution Control Clauses for Construction Contracts which are available at the following website: https://www.epd.gov.hk/epd/english/environmentinhk/eia-planning/guide-ref/rpc.html.
- (c) to note the comments of the Chief Town Planner/Urban Design and Landscape, Planning Department that:
 - the applicant should note that approval of s.16 application by the Town Planning Board does not imply approval of tree works such as pruning, transplanting and/or felling under lease. The applicant is reminded to approach relevant authority/government department(s) direct to obtain necessary approval on tree works, where appropriate.
- (d) to note the comments of the Chief Engineer/Mainland North, Drainage Services Department:
 - (i) according to the application, the Site will not change the topography of the area in general, and the runoff being discharged to the adjacent drainage system will not be materially affected. Since the applicant should not construct, paved or develop within the Site, i.e. no activities to cause any adverse drainage or environmental impacts on the vicinity; and

- (ii) if the applicant would construct, paved or develop within the Site, the applicant is required to submit a drainage proposal, to implement and maintain the proposed drainage facilities to the satisfaction of his department; and
- (e) to note the comments of the Director of Food and Environmental Hygiene that:
 - (i) if any Food and Environmental Hygiene Department (FEHD)'s facility (such as bin site) is affected by the development, FEHD's prior consent must be obtained. Local consultation/district council consultation should be conducted by the project proponent to the satisfaction of the locals and FEHD on the proposal of relocation of the affected facilities under FEHD's management. Relocation of the affected facilities by the project proponent up to the satisfaction of FEHD may be required. Besides, the project proponent should provide sufficient amount of additional recurrent cost for management and maintenance of the relocated facilities to FEHD;
 - (ii) if provision of cleansing service for new public roads, streets, cycle tracks, footpaths, paved areas, public carpark, footbridge, subway, etc. is required, FEHD should be separately consulted. Prior consent from FEHD must be obtained and sufficient amount of recurrent cost must be provided to FEHD; and
 - (iii) the associated works and operations shall not cause any environmental nuisance, pest infestation and obstruction to the surrounding. For any waste generated from the operations and works, the project proponent should arrange its proper disposal at his/her own expenses.

□Urgent □Return receipt □Expand Group □Restricted □Prevent Copy

From:

Sent: Monday, May 13, 2024 12:52 PM

To: Johnny Kai Hong TAM/PLAND < jkhtam@pland.gov.hk>

Subject: Re: 規劃申請編號 A/TM-LTYY/472 - 擬議認可殯葬區(受影響認可殯葬區的重置地點)

致 譚先生:

曾慶忠區議員支持上述規劃,謝謝。

曾慶忠區議員辦事處

電話:

於 2024年5月13日週一下午12:31寫道:

□Urgent □Return receipt □Expand Group □Restricted □Prevent Copy

From:

Sent:

2024-05-15 星期三 03:31:29

To:

tpbpd/PLAND <tpbpd@pland.gov.hk>

Subject:

A/TM-LTYY/472 Government Land Northeast of Permitted

Burial Ground No. BURGD21

A/TM-LTYY/472

Government Land Northeast of Permitted Burial Ground No. BURGD21

Site area: About 23,000sq.m

Zoning: "Green Belt"

Applied development: Permitted Burial Ground

Dear TPB Members.

Strong Objection. This is Government Land and zoned "GB". The application states that there are 1.5 deaths per year so it would be absolutely ridiculous that 23,000sq.mts of public land be allocated to this use when there is already an extensive PBG. Not data on the size of this and how many graves it holds.

No mention of tree felling. Nor the proximity of the proposed graves to tree clusters. Every grave sweeping festival there are dozens of fires, often causing extensive damage, due to careless practices at these remote burial sites.

At a time that the rest of the community is being encouraged to engage in 'green burials' in order to conserve our limited land resources, it is unacceptable that a small group of citizens be granted the luxury of unlimited space for graves.

The application should be rejected.

Mary Mulvihill

就規劃申請/覆核提出意見 Making Comment on Planning Application / Review

參考編號

Reference Number:

240519-213616-01203

提交限期

Deadline for submission:

21/05/2024

提交日期及時間

Date and time of submission:

19/05/2024 21:36:16

有關的規劃申請編號

The application no. to which the comment relates: $\ensuremath{\text{A/TM-LTYY/472}}$

「提意見人」姓名/名稱

Name of person making this comment:

夫人 Mrs. Lui Ping Yee

意見詳情

Details of the Comment:

我喺藍地水塘附近住,知道你哋計**劃**喺附近起墓地,我喺呢塊陽地住左幾十年,我唔想 無端端變左住喺陰地

就規劃申請/覆核提出意見 Making Comment on Planning Application / Review

參考編號

Reference Number:

240520-234403-85015

提交限期

Deadline for submission:

21/05/2024

提交日期及時間

Date and time of submission:

20/05/2024 23:44:03

有關的規劃申請編號

The application no. to which the comment relates:

A/TM-LTYY/472

「提意見人」姓名/名稱

Name of person making this comment:

小姐 Miss WKH

意見詳情

Details of the Comment:

由於有關申請範圍廣闊,而且部份地段非常貼近民居,根據2018年申訴專員公署有關「認可殯葬區」外非法殯葬的規管調查發現,「界外殯葬」事件時有發生,而未能有效地採取執管行動,這定必會嚴重影響附近居民生活,請問現是否已有妥善的解決方案?而建墳時常會移除樹木等植物,申請範圍更長有具保育價值的植物,定必會破壞自然生態環境,未知有何部門能保證可有效監管及適時處理非法砍伐樹木等問題,並且對需保育的樹苗作出適當的處理?

另外,有關範圍近年亦不時會發生山火(例如2023年12月25日),如發展成殯葬區,當有人 燃燒冥鏹而留下火種,必會對附近居民造成生命和財產的重大威脅。未知可有考量防火 配套,以保障附近民居安全?

範圍內有不少野生動物棲息(如野豬等),殯葬區會因有人留下祭品而引致其大量繁殖,市民遭受攻擊的機會大增,更會影響附近居民生活及人身安全。

而範圍若發展成殯葬區,必會增加人流和通道,雖知鄉郊民居不像一般樓房有良好的保安系統,如民居附近人流增加,則會引致不同的治安問題,惟範圍之大,通道又多,當有盜竊等事頻繁發生時,未知申請時是否已與執法部門協調處理新增的治安問題? 再者,殯葬區會有不同類型車輛進出,定必令民居原本已不足應用的通道百上加斤,而附近居民能否承受日夜遇見與殯葬有關的車輛等相關物品在自己居住作息的地方經常出現?如居民心理因此而有所負擔,危及精神健康,是否已準備周全的保障及提供醫療方案。

基於上述各項,現建議收窄有關申請範圍,並且遠離民居。詳細規劃時須確保:

- 1.「界外殯葬」事件能有效地採取預防和執管行動
- 2.有效監管及適時處理非法砍伐樹木等問題
- 3.有周詳的防火配套,保障民居安全
- 4.因發展殯葬區而衍生的額外治安安全問題
- 5.考慮附近居民因發展殯葬區而衍生的負面觀感、心理負擔及精神健康
- 6.平衡更廣泛的公眾利益,咨詢原住居民意願

如範圍未能遠離民居以確保原住居民可繼續安居樂業,請考慮安置原住居民於屯門區的公型房屋,以減低居民的憂慮。