Appendix I of RNTPC Paper No. A/NE-SSH/156B

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.

仁件後才正式確認防至

<u>Form No. S16-III</u> 表格第 S16-III 號

APPLICATION FOR PERMISSION

2024年 2月 2 7日

申旨的日期

UNDER SECTION 16 OF THE TOWN PLANNING ORDINANCE

(CAP. 131)

根據《城市規劃條例》(第131章)

第16條遞交的許可申請

<u>Applicable to Proposal Only Involving Temporary Use/Development of Land</u> <u>and/or Building Not Exceeding 3 Years in Rural Areas or Regulated Areas,</u> or Renewal of Permission for such Temporary Use or Development*

適用於祇涉及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/發展或該等臨時用途/發展的許可續期的建議*

*Form No. S16-I should be used for other Temporary Use/Development of Land and/or Building (e.g. temporary use/developments in the Urban Area)and Renewal of Permission for such Temporary Use or Development. *其他土地上及/或建築物內的臨時用途/發展 (例如位於市區內的臨時用途或發展)及有關該等臨時用途/發 展的許可續期,應使用表格第 S16-I 號。

Applicant who would like to publish the <u>notice of application</u> 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: <u>https://www.tpb.gov.hk/en/plan_application/apply.html</u>

申請人如欲在本地報章刊登<u>申請通知</u>,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: <u>https://www.tpb.gov.hk/tc/plan_application/apply.html</u>

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

- * "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

Form No. S16-III 表格第 S16-III 號

N400385

For Official Use Only 請 勿 填 寫 此 欄	Application No. 申請編號	A/NE-55H/156
	Date Received 收到日期	27 FEB 2024

- 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。
- 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

(☑ Mr. 先生 / □ Mrs. 夫人 / □ Miss 小姐 / □ Ms. 女士 / □ Company 公司 / □ Organisation 機構) LEUNG Wo Ping 梁和平

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)

Goldrich Planners and Surveyors Limited 金潤規劃測量師行有限公司

3.	Application Site 申請地點	
(a)	Full address / location / demarcation district and lot number (if applicable) 詳細地址/地點/丈量約份及 地段號碼(如適用)	Lot Nos. 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550 (Part), 551(Part), 552RP(Part), 553, 603s.ARP, 605(Part), 606RP, 607 (Part), 608(Part), 609RP and 610RP(Part) in D.D. 218 and adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories
(b)	Site area and/or gross floor area involved 涉及的地盤面積及/或總樓面面 積	☑Site area 地盤面積
(c)	Area of Government land included (if any) 所包括的政府土地面積(倘有)	96sq.m 平方米 ☑About 約

(d)	Name and number of the related statutory plan(s) 有關法定圖則的名稱及編號	Approved Shap Sz Heung Outline Zoning Plan I	No. S/NE-SSH/11			
(e)	 (e) Land use zone(s) involved 涉及的土地用途地帶 					
		Vacant				
(f)	 Current use(s) 現時用途 (If there are any Government, institution or community facilities, please illustraplan 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) 					
4.	"Current Land Owner" of A	Application Site 申請地點的「現行土地	」 」「擁有人」			
The	applicant 申請人 -	· · · · · · · · · · · · · · · · · · ·				
	is the sole "current land owner"#& (please proceed to Part 6 and attach documentary proof。 請繼續填寫第 6 部分,並夾附業權證明文件)。	of ownership).			
	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)。				
Ø	is not a "current land owner" [#] . 並不是「現行土地擁有人」 [#] 。					
	The application site is entirely on Government land (please proceed to Part 6). 申請地點完全位於政府土地上(請繼續填寫第6部分)。					
5.	. Statement on Owner's Consent/Notification 就土地擁有人的同意/通知土地擁有人的陳述					
(a)						
(b)	The applicant 申請人	· · · · · · · · · · · · · · · · · · ·				
		"current land owner(s)"#.				
	已取得 名	「現行土地擁有人」 [#] 的同意。				
	Details of consent of "current land owner(s)" # obtained 取得「現行土地擁有人」 # 同意的詳情					
	No. of 'Current Land Owner(s)' 「現行土地擁有 人」數目Lot number/address of premises as shown in the record of the Land Registry where consent(s) has/have been obtained 根據土地註冊處記錄已獲得同意的地段號碼/處所地址Date of consent obtained (DD/MM/YYYY) 取得同意的日期 (日/月/年)					
	(Please use separate sheets if the space of any box above is insufficient. 如上列任何方格的空間不足,請另頁說明)					

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ł

	Details of the "current land owner(s)" [#] notified 已獲通知「現行土地擁有人」 [#] 的詳細資料							
	La: r	. of 'Current nd Owner(s)' 現行土地擁 人」數目	Land Registry wh	nere notification(s	shown in the record) has/have been given 的地段號碼/處所地	of the second se	Date of notification given DD/MM/YYYY) 通知日期(日/月/年)	
	(Ples	ice lice cenarate c	heets if the space of	any hoy above is in	sufficient. 如上列任何2	方格的空間	[不足,諸只百說明)	
		-	-				则个足,触力其就为了	
$\overline{\checkmark}$			-	-	otification to owner(s 设給通知。詳情如下	-		
					土地擁有人的同意的		合理步驟	
							_(DD/MM/YYYY) ^{#&}	
					了土地擁有人」 [#] 郵翅			
	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) ^{&}							
	LJ				申請刊登一次通知&		- /	
	7		in a prominent pos 024 (DD/MN		plication site/premise	es on		
		於	(日/月/生	手)在申請地點/	申請處所或附近的顯	明位置則	出關於該申請的通知	
	\checkmark						ommittee(s)/managem	
		• •			(DD/MM/YYY)		昆会/石时 委员会式网	
			(口/月/-]鄉事委員會 ^{&}	午把通知奇任你	開朝的新土山茶広園	/耒土安月	員會/互助委員會或管	
	Othe	ers 其他						
	<u> </u>	others (please	specify)					
	[]	others (prease						
		其他 (請指明	3)					
		-			·		· · · ·	
		-						
	-	-						

申請人須就申請涉及的每一地段(倘適用)及處所(倘有)分別提供資料

6. Type(s) of Application						
(A) Temporary Use/Development of Land and/or Building Not Exceeding 3 Years in Rural Areas or						
(A) Temporary Userbevelopment of Land and/of Building Not Exceeding 5 Tears in Rural Areas of Regulated Areas						
位於鄉郊地區或受規管	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					
(For Renewal of Permission for Temporary Use or Development in Rural Areas or Regulated Areas, please						
proceed to Part (B))						
(如屬位於鄉郊地區或受規管地區臨時用途/發展的規劃許可續期,請填寫(B)部分)						
	Proposed Temporary Private	Vehicle Park (Private Cars)				
(a) Proposed						
use(s)/development 擬議用途/發展						
1次に時え/13 之上/ 5文 化マ						
	(Please illustrate the details of the p	roposal on a layout plan) (請用平面圖說明擬議詳情)				
(b) Effective period of	☑ year(s) 年	3				
permission applied for 申請的許可有效期	□ month(s) 個月					
(c) <u>Development Schedule 發展</u>						
Proposed uncovered land area		1,775sq.m ☑About 約				
		sq.m 团About 約				
Proposed covered land area 掛		1				
	s/structures 擬議建築物/構築物	22/ M4				
Proposed domestic floor area	擬議住用樓面面積	·····sq.m □About 約				
Proposed non-domestic floor	area 擬議非住用樓面面積	4sq.m ☑About 約				
Proposed gross floor area 擬語	義總樓面面積	4sq.m ☑About 約				
Proposed height and use(s) of different floors of buildings/structures (if applicable) 建築物/構築物的擬議高度及不同樓層						
的擬議用途 (如適用) (Please use separate sheets if the space below is insufficient) (如以下空間不足,請另頁說明)						
Structure 1: Guardroom (height: 3m)						
	spaces by types 不同種類停車位	的一般。				
Private Car Parking Spaces 私家 Motorcycle Parking Spaces 電單						
Light Goods Vehicle Parking Spaces		-				
Medium Goods Vehicle Parking		-				
Heavy Goods Vehicle Parking Spaces 重型貨車泊車位		<u>-</u>				
Others (Please Specify) 其他 (語	青列明)					
	bading spaces 上落客貨車位的擬	議數目				
Taxi Spaces 的士車位						
Coach Spaces 旅遊巴車位 Light Goods Vehicle Spaces 輕	刑停車車份					
Medium Goods Vehicle Spaces		-				
Heavy Goods Vehicle Spaces 1		<u>.</u>				
Others (Please Specify) 其他 (語						

· ·	Proposed operating hours 擬議營運時間 24 hours daily (including Sundays and public holidays)					
(d)	 (d) Any vehicular access to the site/subject building? 是否有車路通往地盤/ 有關建築物? 		 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)) Sai Sha Road via a local track □ 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 7				
(e)	(If necessary, please	use separate s for not prov	l 擬議發展計劃的影響 sheets to indicate the proposed measures to minimise possible adverse impacts or give riding such measures. 如需要的話,請另頁註明可盡量減少可能出現不良影響的			
(i) (ii)	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? Does the development proposal involve the operation on the right? 擬議發展是否涉 及右列的工程?	Yes 是 [Please provide details 請提供詳情 Please provide details 請提供詳情 (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (謝用地戲平面圖顯示有關土地/池塘界線,以及河道改道、填墙、填土及/或挖土的細節及/或範圍) Diversion of stream 河道改道 Filling of pond 填塘 Area of filling 填塘面積			
(iii)	Would the development proposal cause any adverse impacts? 擬議發展計劃會 否造成不良影 響?	On environ On traffic On water su On drainag On slopes Affected by Landscape Tree Felling Visual Imp	Iment 對環境 Yes 會 No 不會 對交通 Yes 會 No 不會 upply 對供水 Yes 會 No 不會 ie 對排水 Yes 會 No 不會			

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

(B) 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 臨時用途/發展的許可續期					
(a) Application number to which the permission relates 與許可有關的申請編號	A//				
(b) Date of approval 獲批給許可的日期	(DD 日/MM 月/YYYY 年)				
(c) Date of expiry 許可屆滿日期	(DD 日/MM 月/YYYY 年)				
(d) Approved use/development 已批給許可的用途/發展					
(e) Approval conditions 附帶條件	 □ The permission does not have any approval condition 許可並沒有任何附帶條件 □ Applicant has complied with all the approval conditions 申請人已履行全部附帶條件 □ Applicant has not yet complied with the following approval condition(s): 申請人仍未履行下列附帶條件 : □ Reason(s) for non-compliance: 仍未履行的原因 : □ (Please use separate sheets if the space above is insufficient) (如以上空間不足,請另頁說明) 				
(f) Renewal period sought 要求的續期期間	□ year(s) 年				

7. 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)。
Refer to Planning Statement at Appendix I
1

8. Declaration 聲明				
I hereby declare that the particulars given in this application are correct and true to the best of my knowledge and belief. 本人謹此聲明,本人就這宗申請提交的資料,據本人所知及所信,均屬真實無誤。				
I hereby grant a permission to the Board to copy all the materials submitted in this application and/or to upload such materials to the Board's website for browsing and downloading by the public free-of-charge at the Board's discretion. 本人現准許委員會酌情將本人就此申請所提交的所有資料複製及/或上載至委員會網站,供公眾免費瀏覽或下載。				
Signature 簽署	□ Applicant 申請人 / ☑ Authorised Agent 獲授權代理人			
Lau Tak Francis	Planning Manager			
Name in Block Letters 姓名(請以正楷填寫)	Position (if applicable) 職位 (如適用)			
Professional Qualification(s) ☑ Member 會員 / □ Fell 專業資格 ☑ HKIP 香港規劃師學 ☑ HKIS 香港測量師學 □ HKILA 香港園境師學 □ RPP 註冊專業規劃師 Others 其他	會 / □ HKIA 香港建築師學會 / 會 / □ HKIE 香港工程師學會 / 聲會/ □ HKIUD 香港城市設計學會			
on behalf of 代表 Goldrich Planners and Surveyors Limited				
🔽 Company 公司 / 🗌 Organisation Name an	nd Chop (if applicable)機構名稱及蓋章(如適用)			
Date 日期				

<u>Remark 備註</u>

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

 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。

 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。

中請人就這示中請提供的個人資料,或小曾回其他人工拔路,以作上述第一技徒及的用述。

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。

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

卜取反於規劃者規劃	劉資料查詢處供一般參閱。)
Application No. 申請編號	(For Official Use Only) (請勿填寫此欄)
Location/address 位置/地址	Lot Nos. 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550(Part), 551(Part), 552RP(Part), 553, 603s.ARP, 605(Part), 606RP, 607(Part), 608(Part), 609RP and 610RP (Part) in D.D. 218 and adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories
Site area 地盤面積	
	(includes Government land of 包括政府土地 96 sq. m 平方米 I About 約)
Plan 圖則	Approved Shap Sz Heung Outline Zoning Plan No. S/NE-SSH/11
Zoning 地帶	"Village Type Development" ("V")
Type of Application 申請類別	 ☑ Temporary Use/Development in Rural Areas or Regulated Areas for a Period of 位於鄉郊地區或受規管地區的臨時用途/發展為期 ☑ Year(s) 年3 □ Month(s) 月
	 Renewal of Planning Approval for Temporary Use/Development in Rural Areas or Regulated Areas for a Period of 位於鄉郊地區或受規管地區臨時用途/發展的規劃許可續期為期 Year(s) 年 □ Month(s) 月
Applied use/ development 申請用途/發展	Proposed Temporary Private Vehicle Park (Private Cars)

	Gross floor area		sq.	m 平方米	Plot R	atio 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 than 不多於		□About 約 □Not more than 不多於	
		Non-domestic 非住用	4	☑ About 約 □ Not more than 不多於	0.002	☑About 約 □Not more than 不多於	
(ii)	No. of blocks 幢數	Domestic 住用					
		Non-domestic 非住用		- 1			
(iii)	Building height/No. of storeys 建築物高度/層數	Domestic 住用	m 米 □ (Not more than 不多於)				
					🗆 (Not	Storeys(s) 層 more than 不多於)	
		Non-domestic 非住用			3	□ Aboı ☑ (Not	ut 約 m 米 more than 不多於)
				1	🗹 (Not	Storeys(s) 層 more than 不多於)	
(iv)	Site coverage 上蓋面積			0.2	%	I About 約	
(v)	No. of parking	Total no. of vehicl	e parking space	es 停車位總數		83	
	spaces and loading / unloading spaces	 Private Car Parking Spaces 私家車車位				83	
	停車位及上落客貨 車位數目	Motorcycle Parki	- ·			-	
	中征数日		-	paces 輕型貨車泊車		-	
			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 Sp					
		Total no. of vehicle loading/unloading bays/lay-bys 0 上落客貨車位/停車處總數 0				0	
		Taxi Spaces 的士	=車位				
		Coach Spaces 旅遊巴車位					
		Light Goods Vehicle Spaces 輕型貨車位 - Medium Goods Vehicle Spaces 中型貨車位 -					
		Heavy Goods Vehicle Spaces 重型貨車車位 Others (Please Specify) 其他 (請列明)					

Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件	<u>Chinese</u> 中文	<u>English</u> 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		\checkmark
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)		\checkmark
Location Plan, Lot Index Plan & Swept Path Analysis		
Reports 報告書		_
Planning Statement/Justifications 規劃綱領/理據		
Environmental assessment (noise, air and/or water pollutions)		
環境評估(噪音、空氣及/或水的污染)	-	
Traffic impact assessment (on vehicles) 就車輛的交通影響評估		
Traffic impact assessment (on pedestrians) 就行人的交通影響評估		
Visual impact assessment 視覺影響評估		
Landscape impact assessment 景觀影響評估		
Tree Survey 樹木調查		
Geotechnical impact assessment 土力影響評估		
Drainage impact assessment 排水影響評估		
Sewerage impact assessment 排污影響評估		
Risk Assessment 風險評估		
Others (please specify) 其他(請註明)		
	_	
Note: May insert more than one「✔」.註:可在多於一個方格內加上「✔」號		

- Note: The information in the Gist of Application above is provided by the applicant for easy reference of the general public. Under no circumstances will the Town Planning Board accept any liabilities for the use of the information nor any inaccuracies or discrepancies of the information provided. In case of doubt, reference should always be made to the submission of the applicant.
- 註: 上述申請摘要的資料是由申請人提供以方便市民大眾參考。對於所載資料在使用上的問題及文義上的歧異,城市規劃委員 會概不負責。若有任何疑問,應查閱申請人提交的文件。

Gold Rich planners & surveyors ltd.

金潤規劃測量師行有限公司

Room E, 8/F., Keader Centre, 129 On Lok Rd, Yuen Long, N.T. H.K. 香港新界元朗安樂路129號基達中心8樓 E室 Tel. 電話: (852) 2714 2821, 2713 2138 Fax. 傳真: (852) 2762 1783 E-mail 電郵: goldrichplanners@gmail.com

Executive Summary

- The application site is on Lot Nos. 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550(Part), 551(Part), 552RP(Part), 553, 603S.ARP, 605(Part), 606RP, 607(Part), 608(Part), 609RP and 610RP(Part) in D.D. 218 and adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories.
- 2. The site area is about $1,779 \text{ m}^2$, including about 96 m^2 of Government Land.
- 3. The application site falls within an area zoned "Village Type Development" ("V") on the Approved Shap Sz Heung Outline Zoning Plan (OZP) No. S/NE-SSH/11.
- 4. The applied use is 'Proposed Temporary Private Vehicle Park (Private Cars)' for a period of 3 years. According to the Notes of the OZP, temporary use or development of any land or building not exceeding a period of 3 years requires planning permission from the Board, notwithstanding that the use or development is not provided for in terms of the OZP.
- 5. 83 nos. of parking spaces for private cars are proposed at the Site for residents' use.
- 6. A single-storey temporary structure is proposed on site for guardroom use. The gross floor area is about 4 m^2 .
- 7. Operation hours are 24-hour daily (including Sundays and public holidays).
- 8. Potential adverse impacts on drainage, traffic, fire safety and environment to the surrounding area arising from the applied use are not anticipated.
- 9. The proposed development can cater for the huge demand of parking spaces for village residents and reduce roadside illegal parking.

行政摘要

- 申請地點位於新界西貢北約馬牯纜村丈量約份第 218 約地段第 543 號(部份)、第 544 號 (部份)、第 546 號(部份)、第 547 號(部份)、第 548 號(部份)、第 549 號、第 550 號(部份)、第 551 號(部份)、第 552 號餘段(部份)、第 553 號、第 603 號 A 分段餘段、 第 605 號(部份)、第 606 號餘段、第 607 號(部份)、第 608 號(部份)、第 609 號餘段 及第 610 號餘段(部份)和毗連政府土地。
- 2. 申請地點的面積為大約1,779平方米,包括約96平方米的政府土地。
- 3. 申請地點在《十四鄉分區計劃大綱核准圖編號 S/NE-SSH/11》上劃為「鄉村式發展」地帶。
- 申請用途為「擬議臨時私人停車場(私家車)」,為期3年。根據有關分區計劃大綱圖的 《注釋》,在任何土地或建築物進行為期不超過3年的臨時用途或發展,即使該分區計 劃大綱圖的《注釋》對該用途沒有作出規定,也須向城市規劃委員會申請規劃許可。
- 5. 申請地點擬議提供 83 個供村民使用的私家車泊位。
- 6. 申請地點擬議提供1個單層臨時構築物作保安更亭用途,總樓面面積為大約4平方米。
- 7. 營運時間為每日 24 小時(包括星期日及公眾假期)。
- 8. 申請用途預期不會對鄰近地區的排水、交通、消防及環境方面帶來潛在負面影響。
- 9. 擬議發展能滿足村民對車位的重大需求,並可減少路邊違例泊車情況。

Planning Statement

Introduction

 This Planning Statement is submitted to the Town Planning Board ("the Board") on behalf of Mr. LEUNG Wo Ping, the Indigenous Inhabitant Representative of Ma Kwu Lam Village ("the Applicant") in support of the planning application for 'Proposed Temporary Private Vehicle Park (Private Cars)' for a period of 3 years ("the Proposed Development") at Lot Nos. 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550(Part), 551(Part), 552RP(Part), 553, 603S.ARP, 605(Part), 606RP, 607(Part), 608(Part), 609RP and 610RP(Part) in D.D. 218 and adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories ("the Site") under Section 16 of the Town Planning Ordinance.

Application Site (Plans 1 and 2)

- The Site comprises Lot Nos. 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550(Part), 551(Part), 552RP(Part), 553, 603S.ARP, 605(Part), 606RP, 607(Part), 608(Part), 609RP and 610RP(Part) in D.D. 218 and adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories. The Site is accessible from Sai Sha Road via a local track.
- 3. The site area is about 219 m^2 , including about 96 m^2 of Government Land.

Planning Context

- 4. The Site falls within an area zoned "Village Type Development" ("V") on the Approved Shap Sz Heung Outline Zoning Plan (the "OZP") No. S/NE-SSH/11.
- 5. The planning intention of the "V" zone is to reflect existing recognised and other villages, and to provide land considered suitable for village expansion and reprovisioning of village houses affected by Government projects. Land within this zone is primarily intended for development of Small Houses by indigenous villagers. It is also intended to concentrate village type development within this zone for a more orderly development pattern, efficient use of land and provision of infrastructures and services. Selected commercial and community uses serving the needs of the villagers and in support of the village development are always permitted on the ground floor of a New Territories Exempted House. Other commercial, community and recreational uses may be permitted on application to the Board.
- 6. Temporary use or development of any land or building not exceeding a period of 3 years requires planning permission from the Board, notwithstanding that the use or development is not provided for in terms of the OZP.
- 7. Provided that the structure of the Proposed Development is temporary in nature, approval of the application on a temporary basis for a period of 3 years would not frustrate the long-term planning intention of the "V" zone.

Development Parameters

No.	Use	Floor Area (ab.) (m ²)	Covered Area (ab.) (m ²)	Height (ab.) (m)	No. of storey
1	Guardroom	4	4	3	1
	Total	<u>4</u>	<u>4</u>		
		Plot Ratio	Site Coverage		
		0.002	0.2%		

8. The following table summarises the details of the structure on site (**Plan 3**):

- 9. The private vehicle park serves to meet the parking demand of villagers. Only registered car owners are allowed to park at the Site. 83 nos. of parking spaces for private cars are proposed at the Site (**Plan 3**).
- 10. Operation hours are 24 hours daily, including Sundays and public holidays.
- 11. The Site was filled (existing ground level at +17.8 mPD) for the provision of solid ground. There is no land filling restriction within the "V" zone on the OZP.

Similar Applications

12. 3 similar applications for 'Private Vehicle Park' use were approved by the Rural and New Town Planning Committee ("the Committee") within the "V" zone on the OZP in the past 5 years:

Application No.	Applied Use	Date of Approval
A/NE-SSH/134	Renewal of Planning Approval for Temporary Private Car Park (Private Cars and LGVs) for a Period of 3 Years	10.7.2020
A/NE-SSH/135	Renewal of Planning Approval for Temporary Private Car Park (Private Cars and LGVs) for a Period of 3 Years	10.7.2020
A/NE-SSH/141	Renewal of Planning Approval for Temporary Private Car Park (Private Cars and LGVs) for a Period of 3 Years	15.10.2021

- 13. The similar applications were approved by the Committee on considerations that temporary approval would not frustrate the long-term planning intention of the "V" zone; the site was hard-paved and the applied use was not incompatible with surrounding environment; and no adverse departmental comments from relevant government departments.
- 14. Given that the planning context of the adjacent areas has not been significantly altered, it is considered that the planning circumstances of the current application are relevant to the similar approved applications.

No Adverse Impacts to the Surroundings

Visual and Landscape

- 15. The Proposed Development involves the erection of a single-storey temporary structure, the applied use is considered not incompatible with surrounding land uses mainly comprising village houses and vacant lands.
- 16. Adverse visual and landscape impacts to the surrounding areas should not be anticipated.

Traffic

	Wee	ekday	Weekend		
	Attractions	Generations	Attractions	Generations	
07:00 - 08:00	0	2	0	0	
08:00 - 09:00	0	4	0	0	
09:00 - 10:00	0	0	0	0	
10:00 - 11:00	0	4	0	6	
11:00 - 12:00	2	4	0	6	
12:00 - 13:00	3	3	0	6	
13:00 - 14:00	4	2	0	5	
14:00 - 15:00	3	4	5	7	
15:00 - 16:00	2	3	6	5	
16:00 - 17:00	2	2	5	5	
17:00 - 18:00	3	0	6	0	
18:00 - 19:00	2	0	4	0	
19:00 - 20:00	3	0	4	0	
20:00 - 21:00	2	0	5	0	
21:00 - 07:00	2	0	5	0	
Total Trips	<u>28</u>	<u>28</u>	<u>40</u>	<u>40</u>	

17. The trip attraction and generation rates are expected as follows:

- 18. In view of the low trip attraction and generation rates, the Proposed Development should not cause adverse traffic impacts to the adjacent areas and road networks.
- 19. Sufficient space is provided for vehicle manoeuvring (**Plan 4**) within the Site. No parking, reversing or turning of vehicles on public roads is expected.
- 20. Neither vehicles without valid licences issued under the Road Traffic Ordinance nor vehicles exceeding 5.5 tonnes, including medium/heavy goods vehicles and container trailers/tractors, are allowed to park, stall, enter or exit the Site.
- 21. No car beauty services, vehicle repairing, dismantling or other workshop activities will be carried out at the Site.

Drainage

22. The Applicant will submit a drainage proposal, with the provision of u-channels and catchpits to mitigate any potential adverse drainage impacts generated by the Proposed Development after the planning approval has been granted from the Board. The Applicant will implement the drainage facilities at the Site once the drainage proposal is accepted by relevant authorities.

Fire Safety

23. A layout plan incorporated with fire service installations (FSIs) will be submitted upon the request of the Director of Fire Services after the planning approval has been granted from the Board. The Applicant will proceed to implement the FSIs once the proposal is accepted.

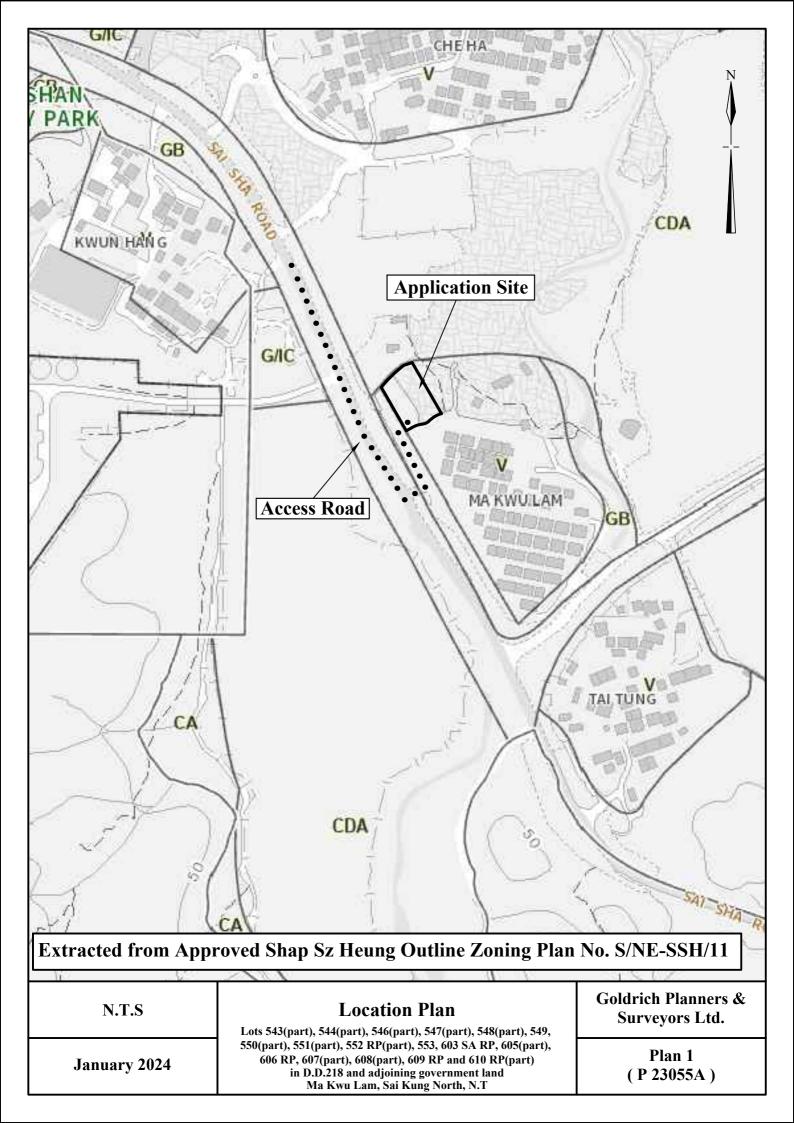
Environment

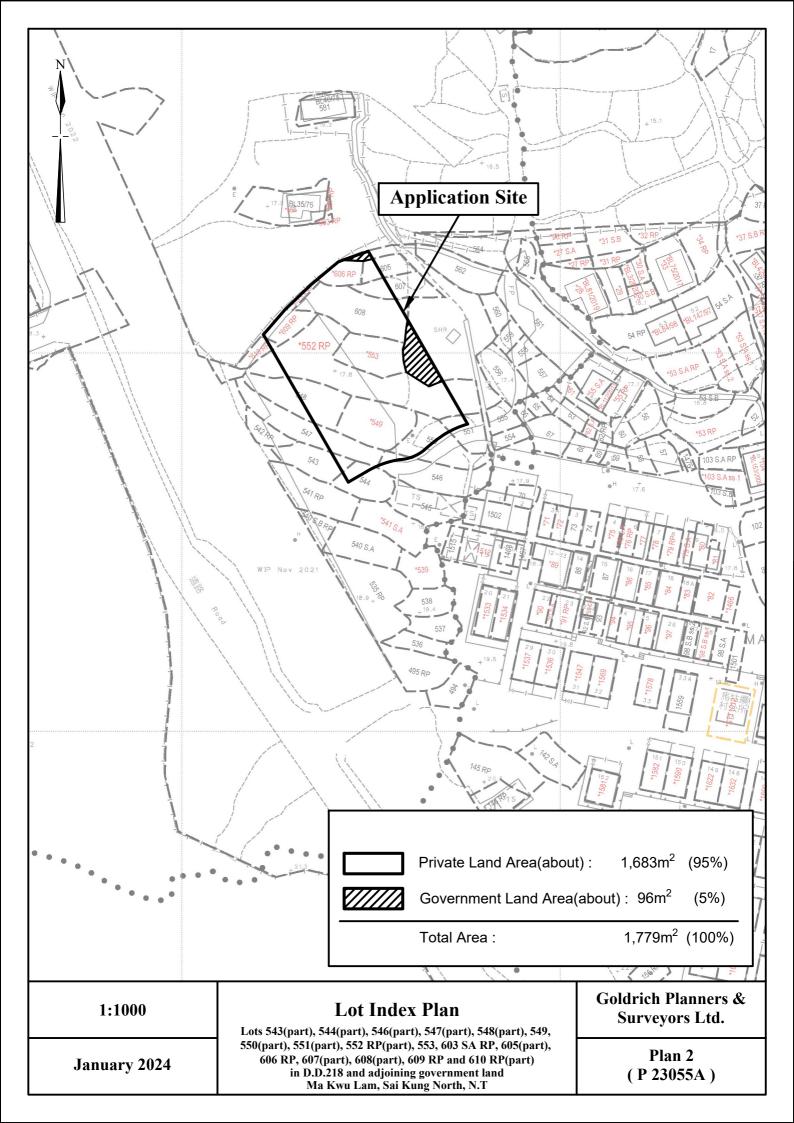
24. The Applicant will follow the measures as set out in the 'Code of Practice on Handling the Environmental Aspects of Temporary Uses and Open Storage Sites' issued by the Environmental Protection Department in order to minimise any possible environmental nuisances, and to comply with all environmental protection/pollution control ordinances.

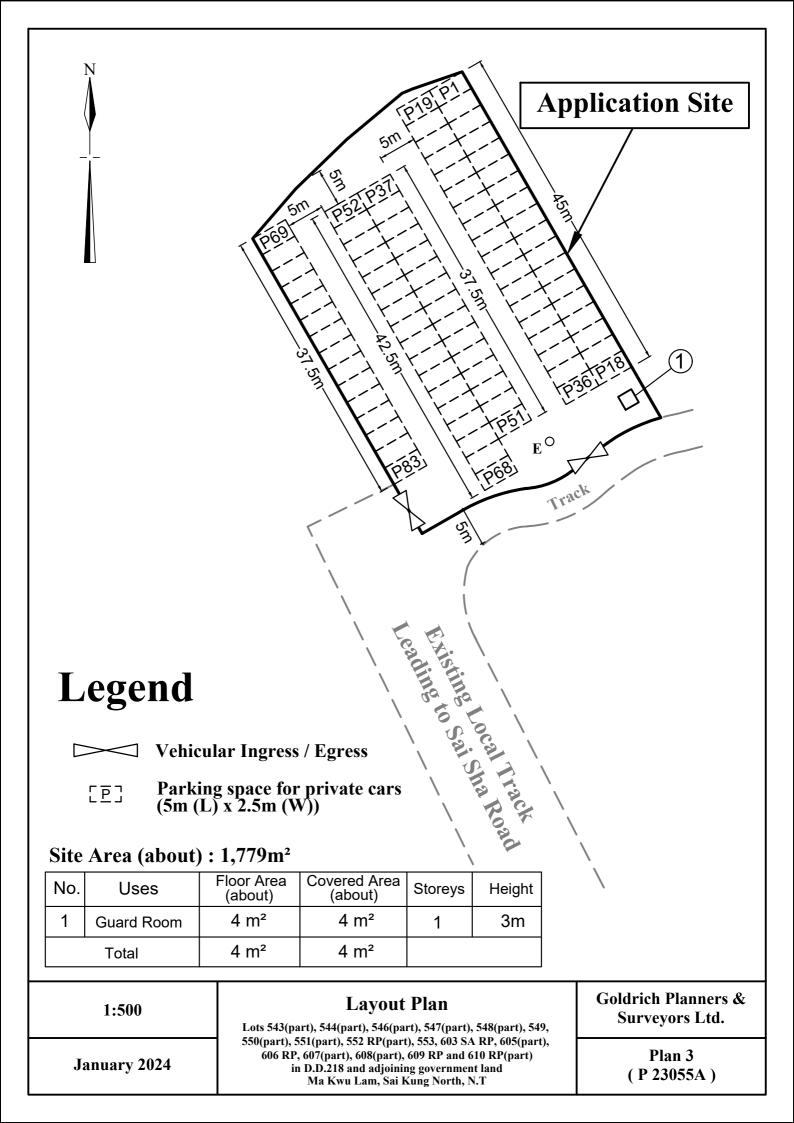
Planning Gain

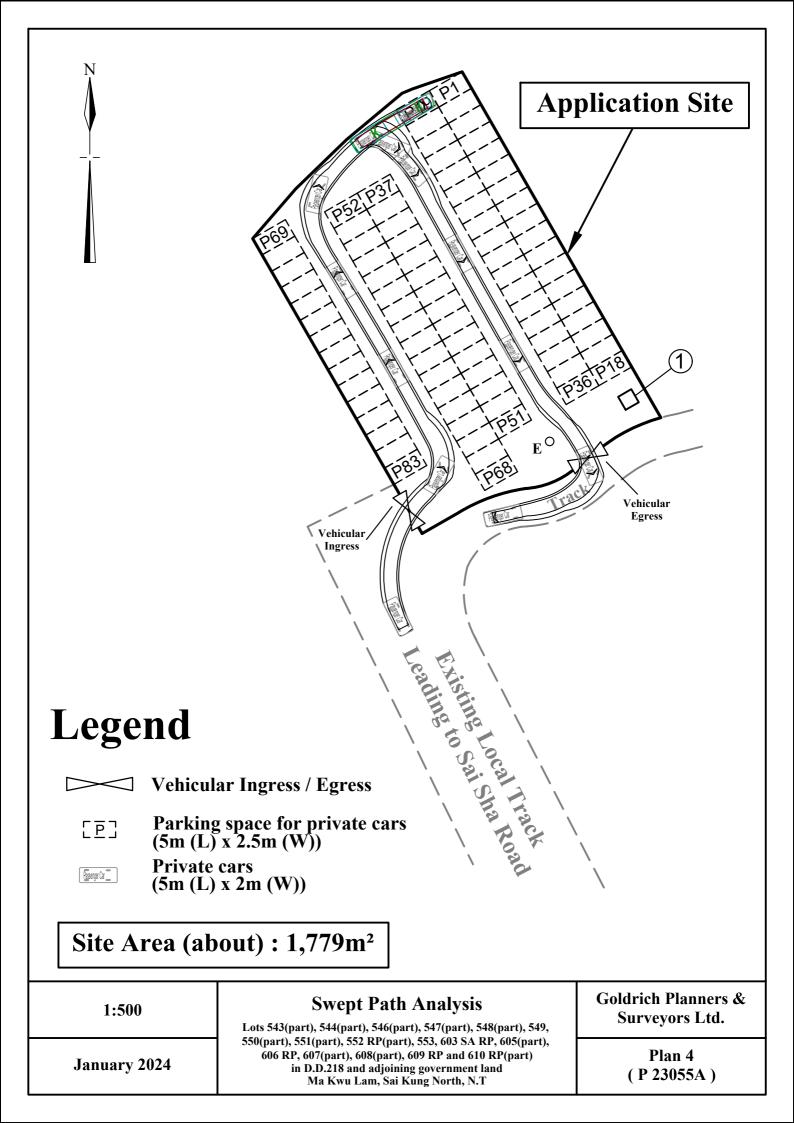
25. The Proposed Development can cater for the huge demand of parking spaces for village residents in the vicinity and reduce roadside illegal parking.

- END -











Dear Sir,

333 Java Road, North Point, Hong Kong

Submission of Further Information (FI)

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 537 (Part), 538 (Part), 540 S.A (Part) and 541 S.A (Part) in D.D. 218, Ma Kwu Lam Village, Sai Kung North, New Territories (Application No. A/NE-SSH/155)

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218 and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories (Application No. A/NE-SSH/156)

We write to submit FI in response to departmental comments conveyed by the Planning Department (Contact person: Mr. John AUSTIN, Tel.: 2158 6037) via e-mail dated 28.3.2024 for the captioned applications.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

and-

Francis LAU Encl.

<u>c.c.</u> DPO/STN, PlanD

(Attn.: Mr. John AUSTIN)

By E-mail only

<u>Further Information for Planning Application Nos. A/NE-SSH/155&156</u> Response-to-Comment

Comments from Drainage Services Department received on 28.3.2024

Contact person: Mr. Justin LAU (Tel.: 2300 1545)

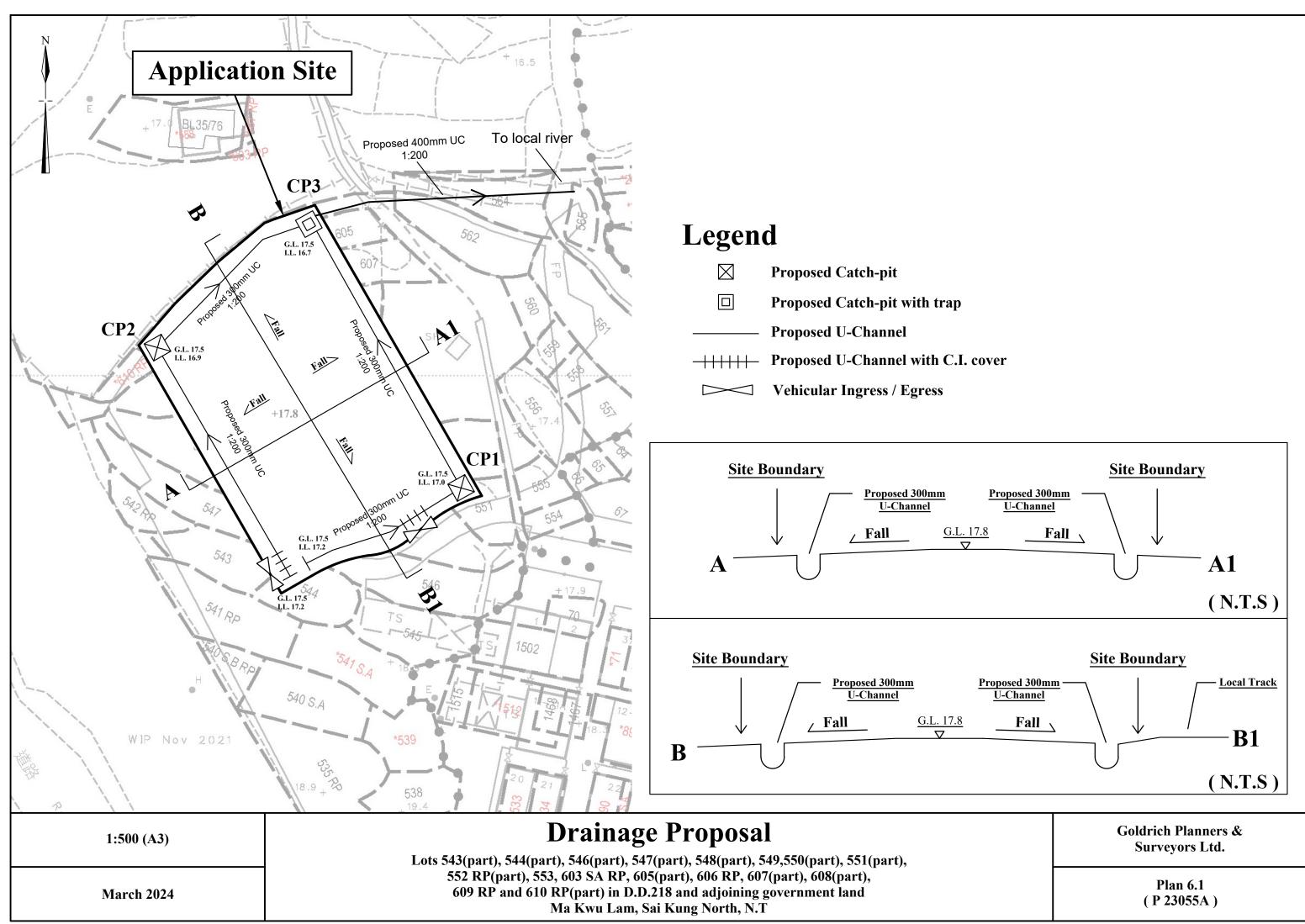
I.	Comment	Response
1.	Proposed finished site formation level and footprint of the proposed development (bearing in mind that the site formation level shall not cause flooding risk to nearby area/premises).	For application no. A/NE-SSH/155, the Site had been formed and the existing formation levels range from +18.9 to +19.4 mPD. For application no. A/NE-SSH/156, the Site had been formed and the existing formation level is at +17.8 mPD. It is anticipated that the Proposed Development shall not impose flooding risks to the surrounding areas with the provision of the proposed drainage facilities (see enclosed drainage proposals of both applications).
2.	Stormwater drainage proposal demonstrating stormwater drainage collection and disposal facilities of adequate flow capacity already exist/to be provided can deal with surface runoff within the lot or flow from adjacent areas including overland flow. The lot owner(s) shall effect the necessary modification/upgrading work of downstream drainage system.	For application no. A/NE-SSH/155, please refer to the enclosed drainage proposal at Plans 4.1 & 4.2 . For application no. A/NE-SSH/156, please refer to the enclosed drainage proposal at Plans 6.1 & 6.2 .
3.	The applicant(s) shall resolve any conflict/disagreement with relevant lot owner(s) and seek LandsD's permission for laying new drains/channels and/or modifying/upgrading existing ones on other private lot(s) or on government land (where required) outside the application site(s).	Noted.

Comments from Lands Department received on 28.3.2024

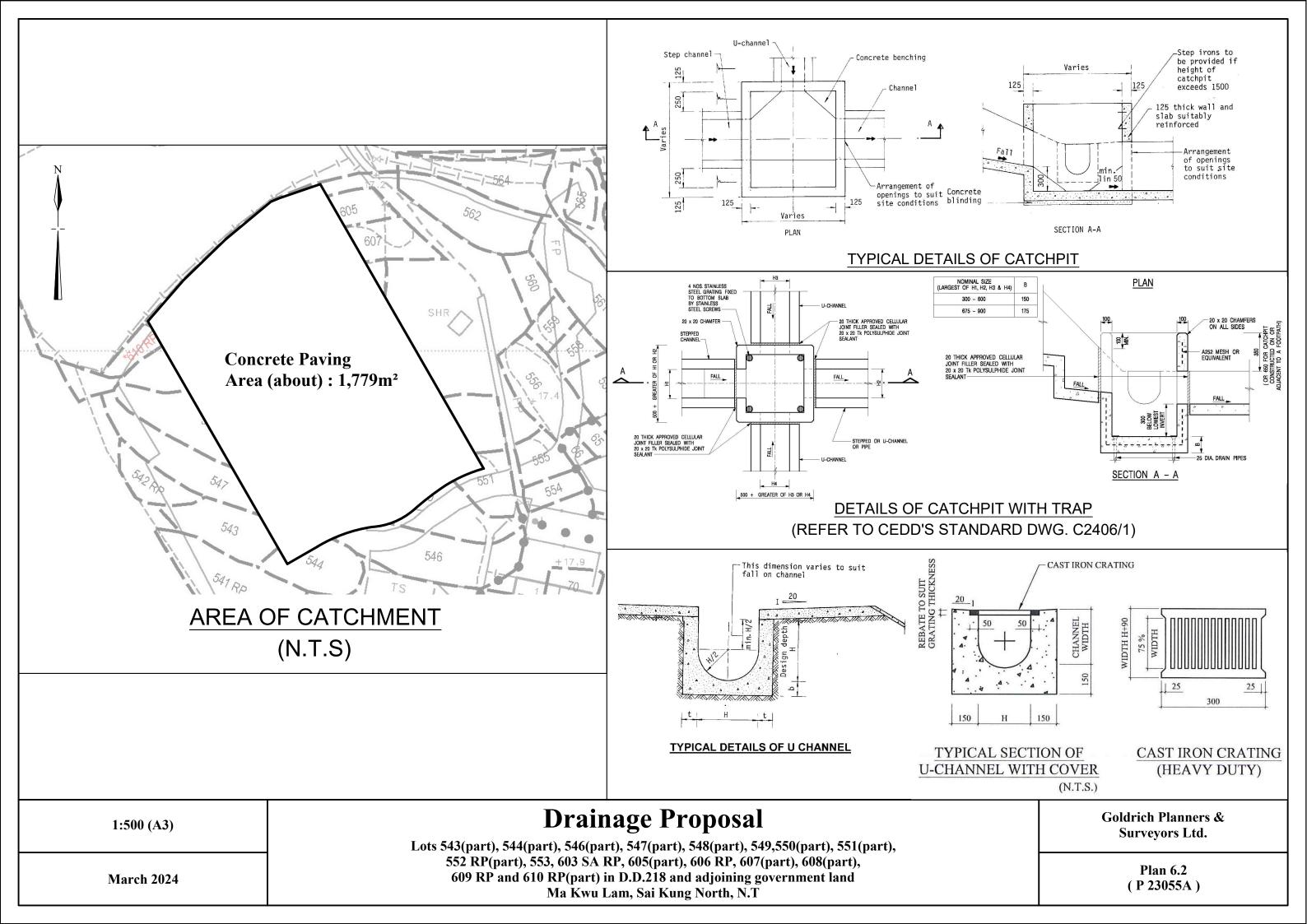
Contact person: Ms. Y. L. LAM (Tel.: 2654 1215)

II.	Comment		Response
1.	The Government Land within the application		Noted. The Applicant will rectify the matter by
	site (about 96 m^2 as mentioned in the		applying for Short Term Tenancy for the concerned
	application form) has been paved without		Government Land within the Site upon receiving
	permission. Any occupation and/or site		relevant approval from the Board.
	formation of Government Land without		
	government's prior approval is an offence		
	under Cap. 28. This office reserves the		
	right to take necessary land control action		
	against the illegal occupation and/or site		
	formation of Government Land without		
	further notice.		
		I	

- END -









The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information (FI)

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 537 (Part), 538 (Part), 540 S.A (Part) and 541 S.A (Part) in D.D. 218, Ma Kwu Lam Village, Sai Kung North, New Territories (Application No. A/NE-SSH/155)

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218 and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories (Application No. A/NE-SSH/156)

We write to submit FI in response to departmental comments conveyed by the Planning Department (Contact person: Mr. John AUSTIN, Tel.: 2158 6037) via e-mail dated 22.4.2024 for the captioned applications.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Francis LAU Encl.

c.c. DPO/STN, PlanD

(Attn.: Mr. John AUSTIN)

By E-mail only

<u>Further Information (2) for Planning Application Nos. A/NE-SSH/155&156</u> Response-to-Comment

Comments from Drainage Services Department received on 22.4.2024

Contact person: Mr. Justin LAU (Tel.: 2300 1545)

I.	Comment	Response
1.	Please advise any additional runoff will be generated due to the development.	Kindly note that no additional runoff will be generated due to the development.
2.	Please advise any structure/building will be constructed due to the development.	No additional structures will be constructed within the Site of application no. A/NE-SSH/155. Apart from the guardroom as shown on Plan 3 of application no. A/NE-SSH/156, no additional structures will be constructed within the Site.

- END -



The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong By Post and E-mail tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218
and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories

We would like to submit further information to respond to the comments from Drainage Services Department dated 31.5.2024.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Francis Lau

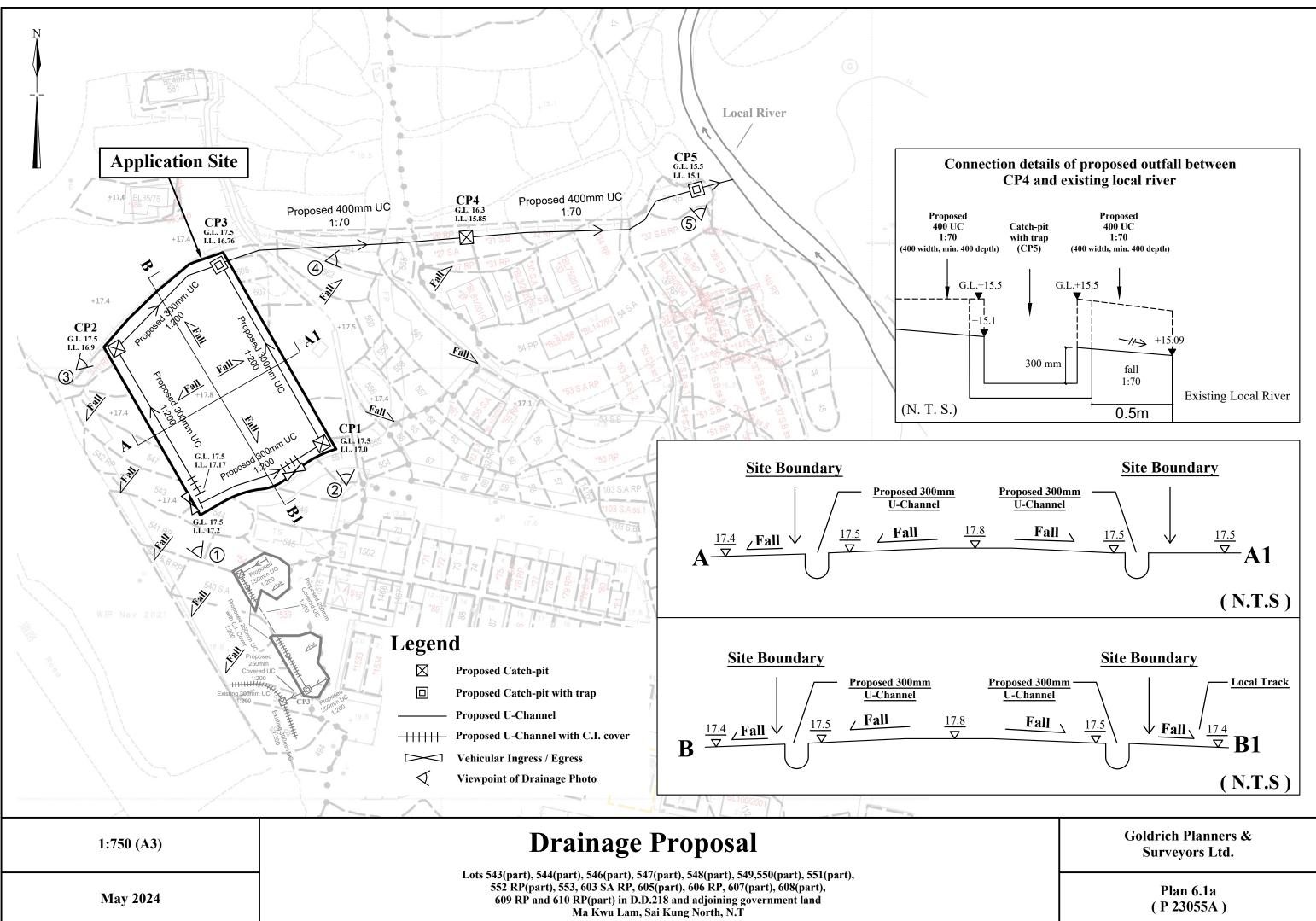
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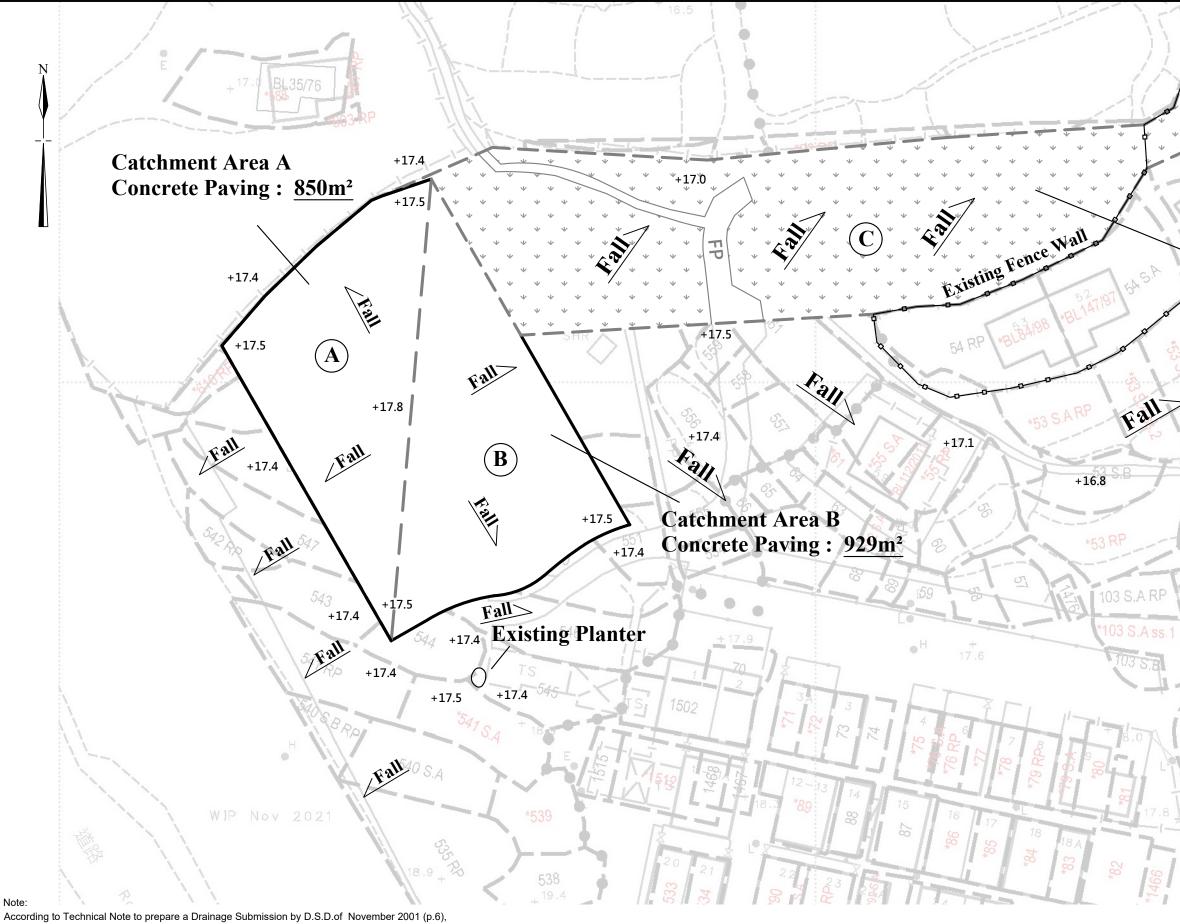
<u>Further Information (4) for Planning Application Nos. A/NE-SSH/156</u> Response-to-Comment

Comments from Drainage Services Department received on 31.5.2024

Contact person: Mr. Justin LAU (Tel.: 2300 1545)

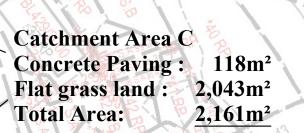
I.	Comment	Response
(a)	Supporting calculations to demonstrate that the proposed drainage system and the existing downstream drain/channel has adequate capacity to convey the runoff to be discharged arising from the proposed development. (Checking for the proposed 450mm UC for SSH_156.)	Please refer to attached drainage calculations for details.
(b)	Please justify your proposed catchment area. (Please provide support evidence for all directions of the sites)	Catchment area is updated. Ground levels of surrounding area are indicated on Plan 7.2.
(c)	The drainage flow path from the development to the public drainage system / streamcourse / sea / any recognized drainage facilities should be provided in association with supporting site photos for the captioned submission. (photos for the locations of proposed 450UC and outfall for SSH_156).	Please refer to the attached site photos showing the drainage flow path and the local river.
(d)	The lot owners/developers are required to rectify/modify the drainage systems if they are found to be inadequate or ineffective during operation. The lot owners/developers shall also be liable for and shall indemnify Government against claims and demands arising out of damage or nuisance caused by failure of the systems.	Noted.
(e)	The lot owners/developers shall resolve any conflict/disagreement with relevant lot owner(s) and seek LandsD's permission for laying new drains/channels and /or modifying/upgrading existing ones in other private lots or on Government land (where required) outside the application site(s).	Noted.





450mm U-channel is acceptable for area below 4.000m²

1:500 (A3)	Drainage Proposal			
	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part),			
March 2024	552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part),			
	609 RP and 610 RP(part) in D.D.218 and adjoining government land			
	Ma Kwu Lam, Sai Kung North, N.T			



+16.3

105

102

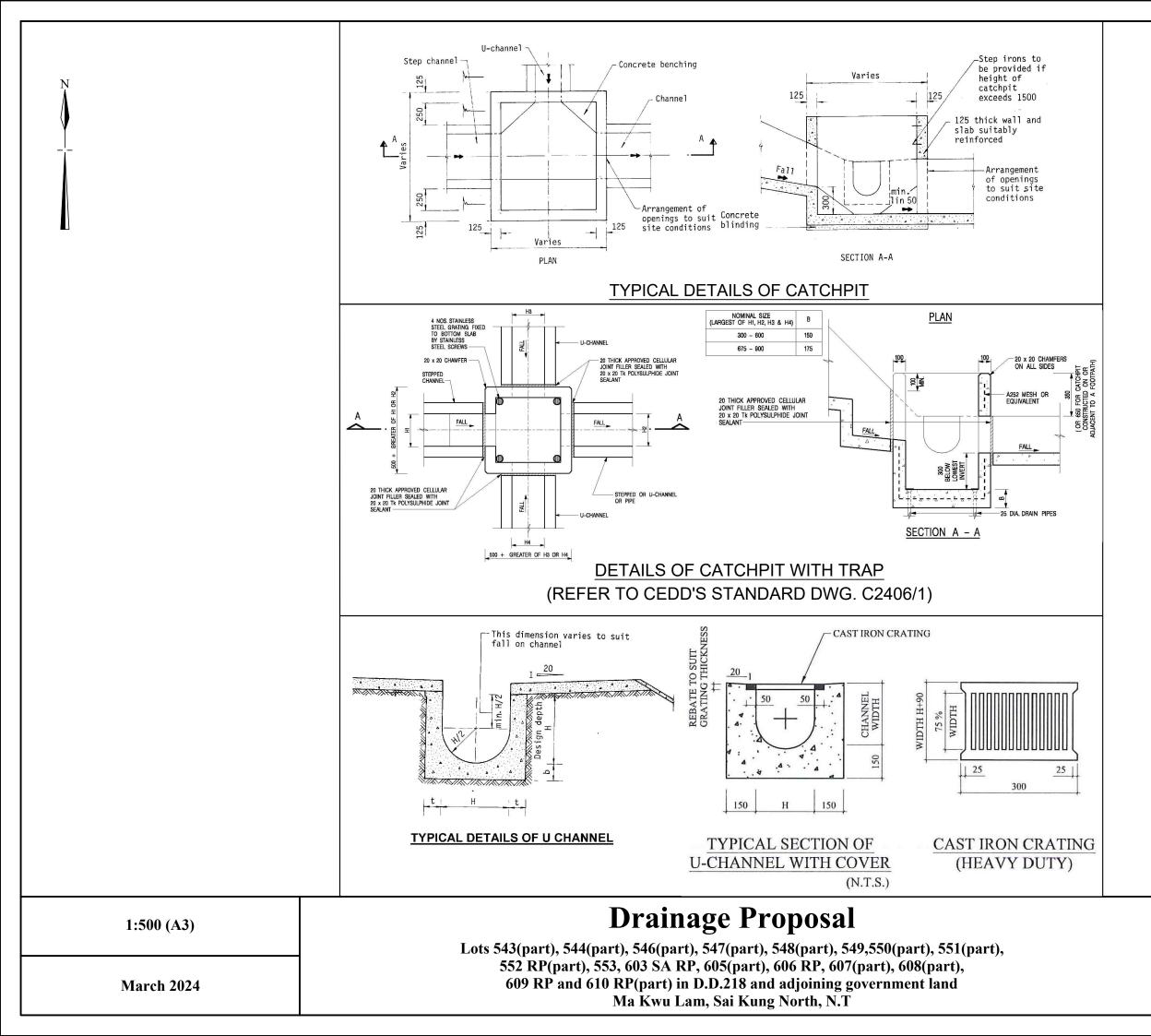
5

Fall

AREA OF CATCHMENT (N.T.S)

> **Goldrich Planners &** Surveyors Ltd.

> > Plan 6.2a (P23055A)



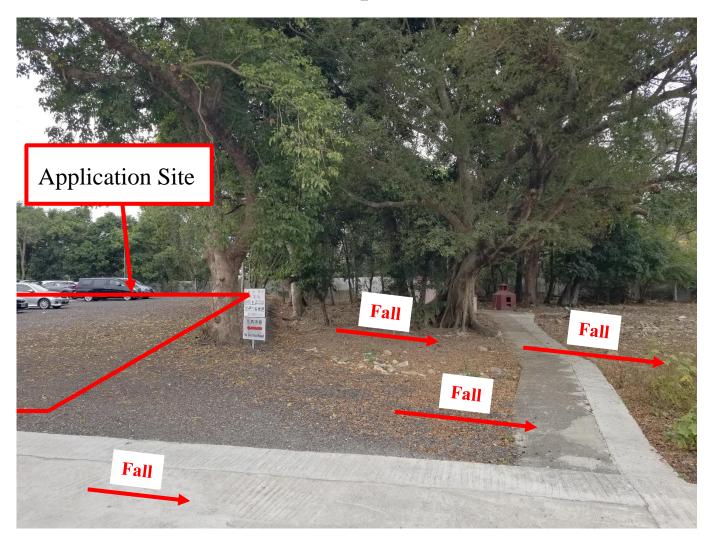
Goldrich Planners & Surveyors Ltd.

Plan 6.3 (P 23055A)

Viewpoint 1



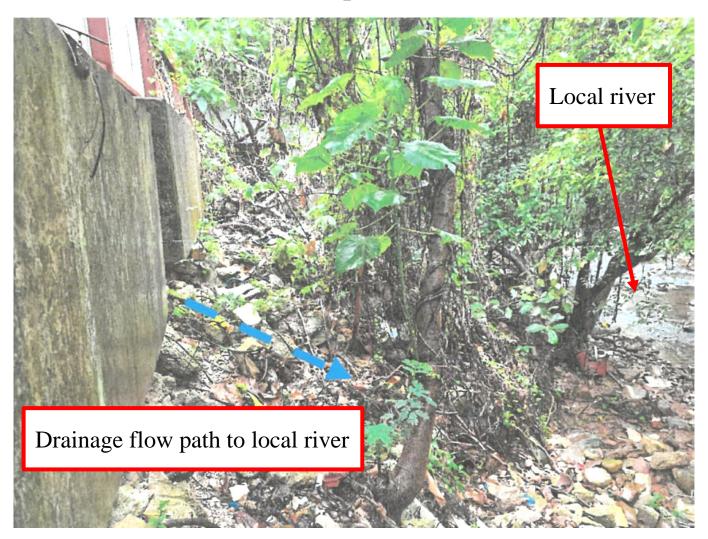
Viewpoint 2



Viewpoint 3







1 For Catchment Area A		Ref.
Area,	$A = 850 m^2$ H = 0.1 m per 100m	
Average slope, Distance on the line of natural flow,	H = 0.1 m per 100m L = 21 m	
Time of concentraction,	$t_o = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2*850^{0.1}})$	SDM 7.5.2 (d)
	= 2.5 min	
2 For Proposed U-Channel in ca	tchment area A	
Ground level (mPD)	<u>From To</u> 17.50 17.50	
Invert level (mPD)	17.17 16.76	
Width of u-channel,	w = 300 mm	
	$L_c = 81 \text{ m}$	
Depth of vertical part of u-channel,	d = 590 mm	
Gradient of u-channel,	$S_f = 17.17 - 16.76)/81 = 0.005$	
Orace Desting Arrow	$a_{1} = 0.5 = r^{2}$ with $a_{2} = 0.5 \times 2.44 \times 45000 \times 500$	
Gross-Section Area,	a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 150^2 + 300 \times 590$ = $0.212 m^2$	
Wetted Perimeter	$= 0.212 \text{ m}^{2}$ p = $\pi \text{ r} + 2 \text{ d} = 3.14 \text{ x} 150 + 2 \text{ x} 590$	
Hydralic radius,	= 1.651 m R = a/p	SDM 8.2.1
	= 0.129 m	
3 Use Manning Equation for est	mating velocity of stormwater	
Taka	n – 0.010 fan earande lined de averela.	
	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n = (0.129)^{1/6} x (0.129 \times 0.005)^{1/2} / 0.016$	SDM Table 13
Allowable velocity,	= 1.13 m/s	SDM Table 12
Time of flow,	$t_f = 1.2 \min$	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity,	$i = a / (t_o + t_f + b)^c$	SDM 4.3.2
	= 505.5 / (2.5+1.2+3.29)^0.35! for return period T = 50 years	SDM Table 3(a)
	= 254	
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	
Concrete Paving	0.95 850.0 807.5	
	SUM = 807.5	
Upstream flow,	$Q_u = 0 m^3/s$	
Design flow,	$Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km ²	SDM 7.5.2 (a)
	$= 0.278 \times 254 \times 807.5 / 1000000 + 0$	
	= 0.057 m ³ /s	
Allowable flow,	Q _a = a x v	
	$= 0.212 \times 1.13$	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwate	r Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich F	lanners &
	Surveyo	ors Ltd.
June 2024	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610	je 1
Julie 2024	RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P230	

1 For Catchment Area B and C		Ref.
Area	$A = 929 m^2$ H = 0.1 m per 100m L = 21 m	
Distance on the line of natural flow	L = 21 m	
Time of concentraction	$t_0 = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2*929^{0.1}})$ = 2.4 min	SDM 7.5.2 (d)
2 For Proposed U-Channel in c	atchment area B and C	
Ground level (mPD)	From To 17.50 17.50	
Invert level (mPD)	17.30 17.50 17.20 16.76	
Width of u-channe		
Length of u-channe	$L_{c} = 88.2 \text{ m}$	
Depth of vertical part of u-channel		
Gradient of u-channe	$S_{f} = .2-16.759)/88.2 = 0.005$	
Cross-Section Area	, a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 150^2 + 300 \times 591$ = 0.213 m ²	
Wetted Perimeter	$p = \pi r + 2 d = 3.14 \times 150 + 2 \times 591$	
Hydralic radius	= 1.653 m , R = a/p = 0.129 m	SDM 8.2.1
3 Use Manning Equation for es		
	$rac{d}{d} n = 0.016$ for concrete lined channels:- , $v = R^{1/6} x (RS_f)^{1/2} / n = (0.129)^{1/6} x (0.129 x 0.005)^{1/2} / 0.016$	SDM Table 13 SDM Table 12
	= 1.13 m/s	
Time of flow	$t_{\rm f} = 1.3 {\rm min}$	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity	i = $a / (t_o + t_f + b)^c$ = 505.5 / (2.4+1.3+3.29)^0.35 for return period T = 50 years = 253	SDM 4.3.2 SDM Table 3(a)
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	
Concrete Paving	0.95 929.0 <u>882.6</u> SUM = 882.6	
Upstream flow	$Q_u = 0 m^3/s$	
Design flow	$\begin{array}{rcl} Q_{d} &=& 0.278i \; \Sigma \; C_{j}A_{j} + Q_{u} & \text{where } A_{j} \; \text{is in } \text{km}^{2} \\ &=& 0.278 \; x \; 253 \; x \; 882.55 \; / \; 1000000 \; + \; 0 \\ &=& 0.062 \; \; \text{m}^{3} / \text{s} \end{array}$	SDM 7.5.2 (a)
Allowable flow	$Q_a = a \times v$ = 0.213 × 1.13	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwa	er Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich Pl	
	Lats 543(part) 544(part) 545(part) 547(part) 549(part) 540 550(part) 551(part) 552	
June 2024	RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610 RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P2305	
	(P2303	JAJ

1 For Catchment Area D	Ref.
Area, A = 2161 m^2	
Average slope, H=2.08 m per 100mDistance on the line of natural flow, L=24 m	
Time of concentraction, $t_0 = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (24) / (2.08^{0.2*2})$	2161^0.1) SDM 7.5.2 (d)
= 1.4 min	
2. For Droposed II Channel in actobrant area D	
2 For Proposed U-Channel in catchment area D	
From To	
Ground level (mPD) 17.50 15.50	
Invert level (mPD) 16.76 15.10	
Width of u-channel, w = 400 mm	
Length of u-channel, $L_c = 116.5 \text{ m}$	
Depth of vertical part of u-channel, $d = 200 \text{ mm}$	
Gradient of u-channel, $S_f = (16.76-15.1)/116.5 = 0.014$	
(10.70 - 10.1)	
Cross-Section Area, a = $0.5 \pi r^2 + w d$ = $0.5 \times 3.14 \times 200^2 + 400 \times 200$	
$= 0.143 \text{ m}^{2}$ Wetted Perimeter, p = $\pi \text{ r} + 2 \text{ d} = 3.14 \times 200 + 2 \times 200$	
Wetted Perimeter, $p = \pi r + 2 d = 3.14 \times 200 + 2 \times 200$	
= 1.028 m	
= 1.028 m Hydralic radius, R = a / p	SDM 8.2.1
= 0.139 m	0.2.1
5.100 m	
3 Use Manning Equation for estimating velocity of stormwater	
Take n = 0.016 for concrete lined channels:-	SDM Table 13
Allowable velocity, $v = R^{1/6} x (RS_f)^{1/2} / n = (0.139)^{1/6} x (0.139 \times 0.014)^{1/2} / 0.$	016 SDM Table 12
= 2.00 m/s	
Time of flow, $t_f = 1.0 \text{ min}$	
4 Use "Rational Method" for calculation of design flow	
Design intensity, i = $a / (t_o + t_f + b)^c$	0514.4.0.0
	SDM 4.3.2
$= 505.5 / (1.4+1+3.29)^{\circ} 0.355 $ for return period T = 50 ye	ears SDM Table 3(a)
= 273	
	<u>C x A</u> SDM 7.5.2 (b)
	510.8
Concrete Paving 0.95 118.0	112.1
SUM =	622.9
_	
Upstream flow, $Q_u = 0.119 \text{ m}^3/\text{s}$	
Design flow $\Omega = 0.2785 \Sigma C \Lambda + \Omega$ where Λ is in lm^2	0011750()
Design flow, $Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km ²	SDM 7.5.2 (a)
$= 0.278 \times 273 \times 622.85 / 1000000 + 0.119$	
= 0.166 m ³ /s	
Allowable flow, $Q_a = a \times v$	
= 0.143 x 2	
$= 0.143 \times 2$ = 0.286 m ³ /s	
= 0.143 x 2	
= 0.143 x 2 = 0.286 m ³ /s > Q_d (O.K.)	
$= 0.143 \times 2$ = 0.286 m ³ /s	
= 0.143 x 2 = 0.286 m ³ /s > Q_d (O.K.)	7
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD	Goldrich Planners &
= 0.143 x 2 = 0.286 m ³ /s > Q_d (O.K.)	Goldrich Planners &
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation	Goldrich Planners & Surveyors Ltd.
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Lots 543(part), 544(part), 546(part), 548(part), 549,550(part), 551(part), 552	Surveyors Ltd.
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation	

1 For Channel Section S1		Ref.
Area, Average slope, Distance on the line of natural flow,	$ \begin{array}{rcl} A &=& 0 \ m^2 \\ H &=& 0.1 \ m \ per \ 100m \\ L &=& 0 \ m \end{array} $	
Time of concentraction,	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (0) / (0.1^{0.2*0^{0.1}})$ = 0.0 min	SDM 7.5.2 (d)
2 For Proposed U-Channel Sec	tion S1	
Ground level (mPD) Invert level (mPD)	From To 15.50 15.50 15.10 15.09	
Width of u-channel, Length of u-channel, Depth of vertical part of u-channel, Gradient of u-channel,	$L_{c} = 0.5 m$	
Wetted Perimeter,	a = $0.5 \pi r^2 + w d$ = $0.5 \times 3.14 \times 200^2 + 400 \times 207$ = $0.146 m^2$ p = $\pi r + 2 d$ = $3.14 \times 200 + 2 \times 207$	
Hydralic radius,	= 1.042 m R = a/p = 0.140 m	SDM 8.2.1
3 Use Manning Equation for est	imating velocity of stormwater	
	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n$ = (0.14)^1/6 x (0.14 x 0.014)^1/2 / 0.016 = 1.99 m/s	SDM Table 13 SDM Table 12
Time of flow,	$t_f = 0.00 \text{ min}$	
4 Use "Rational Method" for cale	culation of design flow	
Design intensity,	i = a / (t _o + t _f +b) ^c = 505.5 / (0+0+3.29)^0.355 for return period T = 50 years = 331	SDM 4.3.2 SDM Table 3(a)
<u>Type of surface</u> Flat Glassland(heavy soil) Concrete Paving	Runoff Coefficient C 0.25Catchment Area A (m^2) 0.0C x A 0.00.950.00.0SUM = 0.0	SDM 7.5.2 (b)
Upstream flow,	$Q_u = 0.166 \text{ m}^3/\text{s}$	
Design flow,	$\begin{array}{rcl} Q_{d} &=& 0.278i \ \Sigma \ C_{j}A_{j} + Q_{u} & \text{where } A_{j} \ \text{is in } \text{km}^{2} \\ &=& 0.278 \times 331 \times 0 \ / \ 1000000 + 0.166 \\ &=& 0.166 \ \text{m}^{3}/\text{s} \end{array}$	SDM 7.5.2 (a)
Allowable flow,	$Q_a = a \times v$ = 0.146 × 1.99 = 0.290 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwater Drainage Manual (SDM) by DSD		
Scale: NA	Drainage Calculation Goldrich I Survey	Planners & ors Ltd.
June 2024	(1) (1)	ge 4 055A)



The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong By Post and E-mail tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218
and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories

We would like to submit further information to respond to the comments from Drainage Services Department dated 23.7.2024.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Poon p.p.

Francis Lau

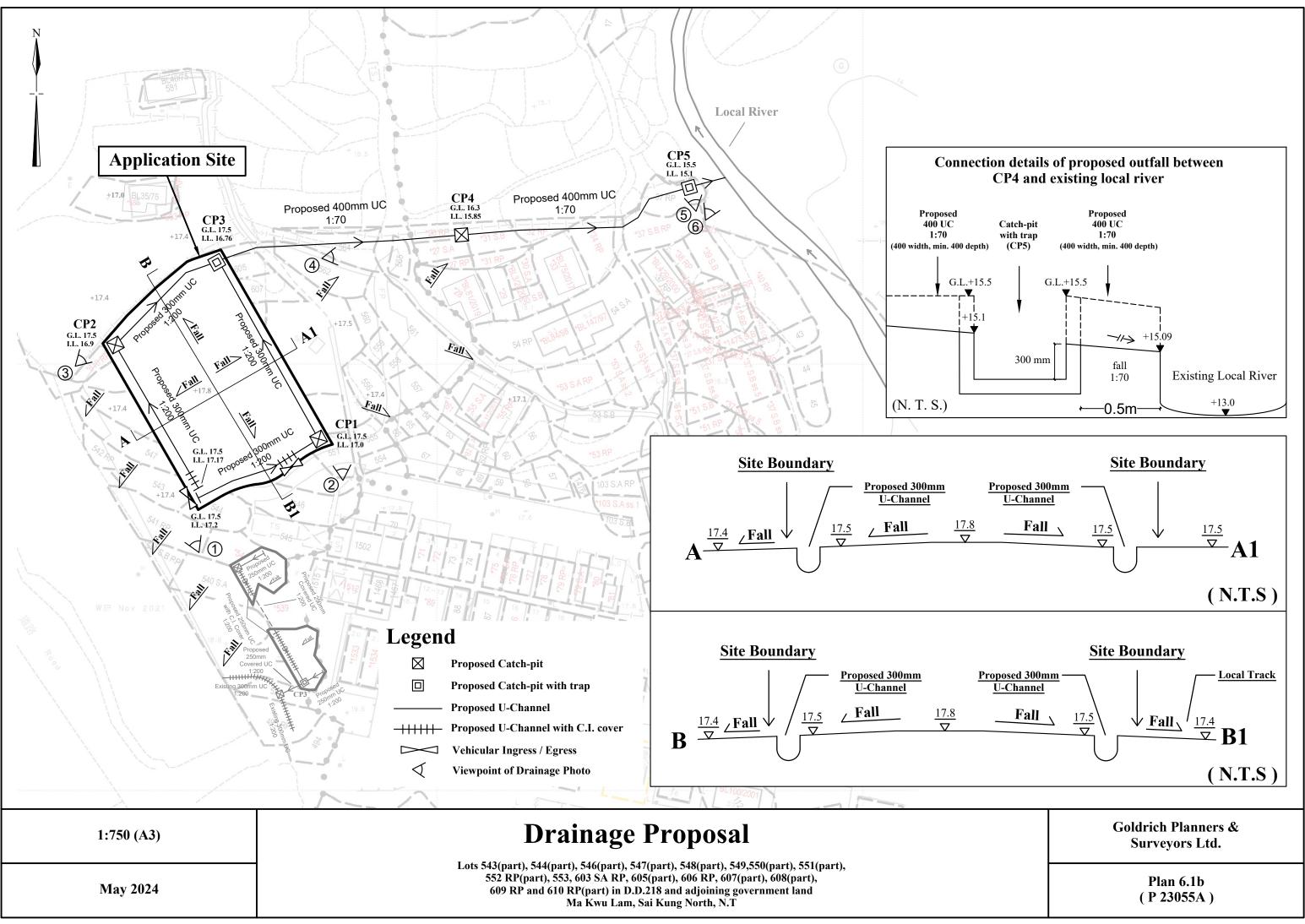
Encl.

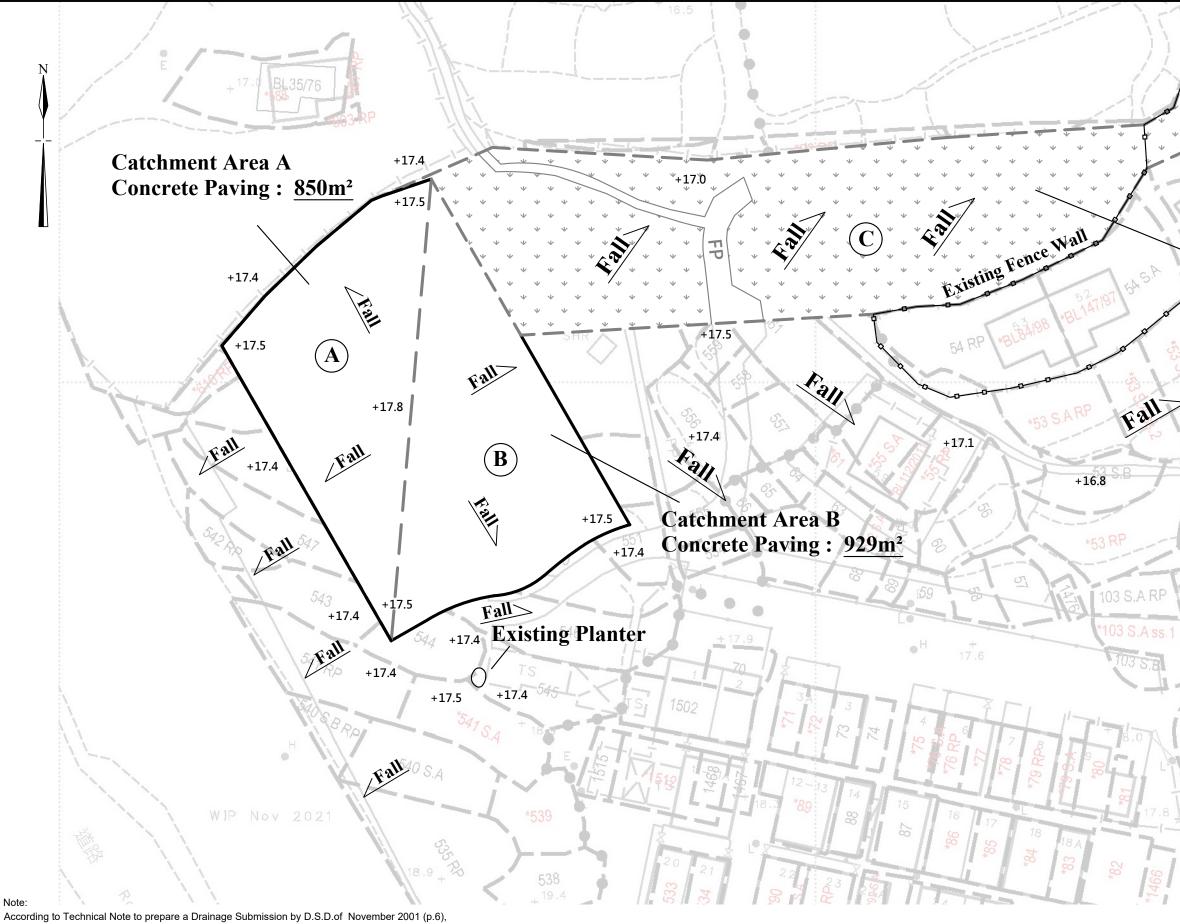
<u>Further Information (5) for Planning Application Nos. A/NE-SSH/156</u> Response-to-Comment

Comments from Drainage Services Department received on 23.7.2024

Contact person: Mr. Justin LAU (Tel.: 2300 1545)

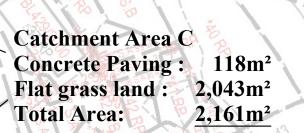
I.	Comment	Response
(c)	Please provide photos showing the existing conditions of the local river sections receiving the runoff from SSH_156.	Please refer to attached photos (viewpoint 5 and viewpoint 6) for the existing conditions of the local river sections receiving the runoff from SSH_156.
(d)	Please indicate the level of existing local river in the connection details in Plan 6.1a.	The level of existing local river in the connection details in Plan 6.1a is indicated in an updated plan (Plan 6.1b)





450mm U-channel is acceptable for area below 4.000m²

1:500 (A3)	Drainage Proposal
	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part),
	552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part),
March 2024	609 RP and 610 RP(part) in D.D.218 and adjoining government land
	Ma Kwu Lam, Sai Kung North, N.T



+16.3

105

102

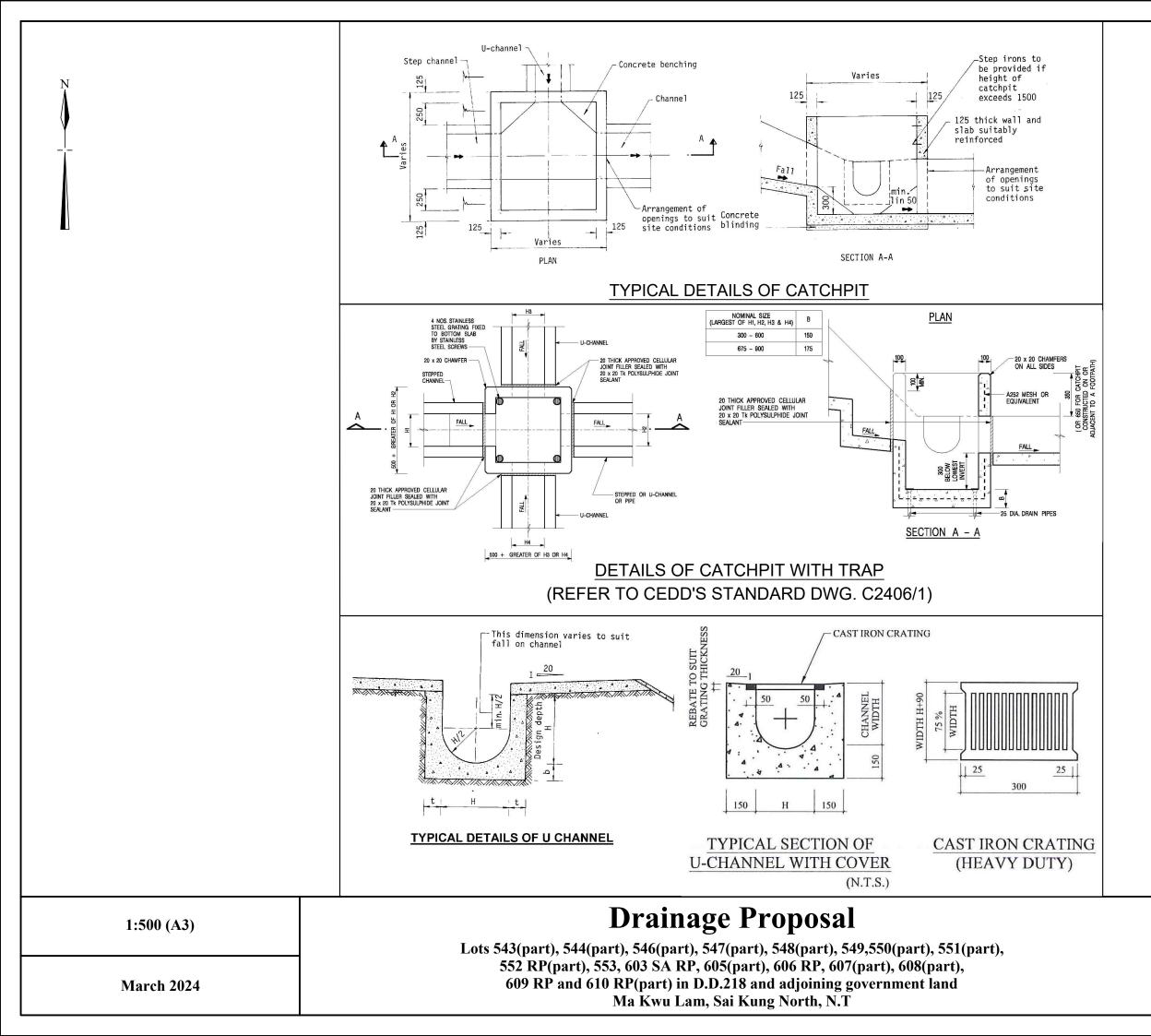
5

Fall

AREA OF CATCHMENT (N.T.S)

> **Goldrich Planners &** Surveyors Ltd.

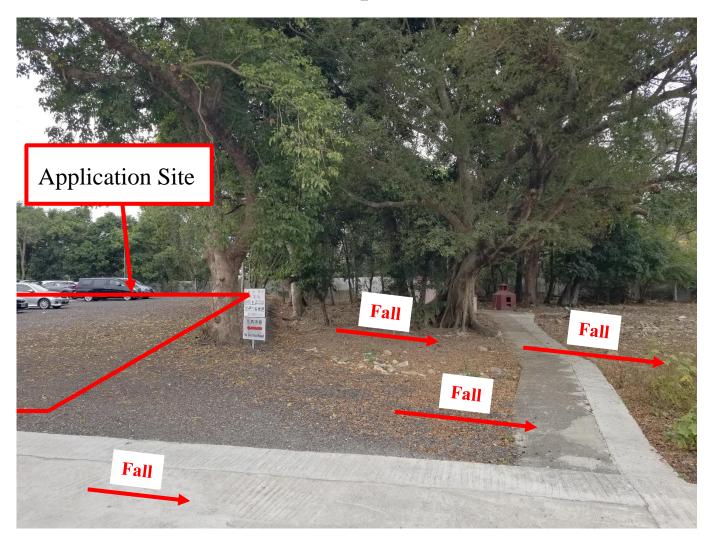
> > Plan 6.2a (P23055A)



Goldrich Planners & Surveyors Ltd.

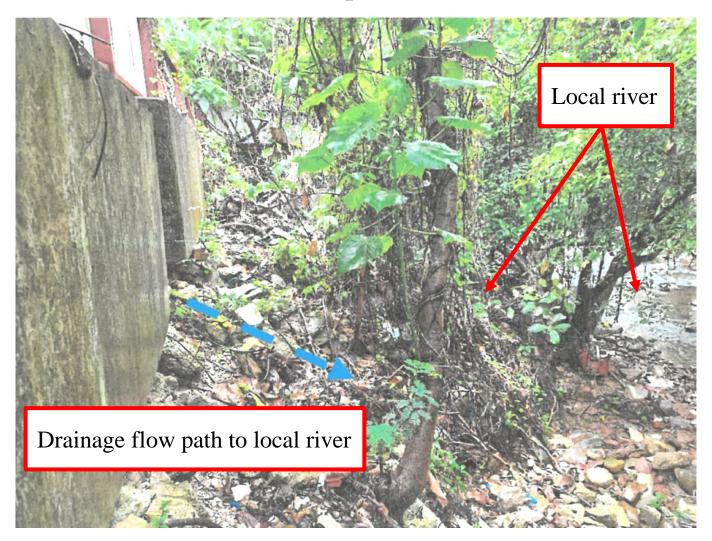
Plan 6.3 (P 23055A)













1 For Catchment Area A		Ref.
Area,	$A = 850 m^2$ H = 0.1 m per 100m	
Average slope, Distance on the line of natural flow,	H = 0.1 m per 100m L = 21 m	
Time of concentraction,	$t_o = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2*850^{0.1}})$	SDM 7.5.2 (d)
	= 2.5 min	
2 For Proposed U-Channel in ca	tchment area A	
Ground level (mPD)	<u>From To</u> 17.50 17.50	
Invert level (mPD)	17.17 16.76	
Width of u-channel,	w = 300 mm	
	$L_c = 81 \text{ m}$	
Depth of vertical part of u-channel,	d = 590 mm	
Gradient of u-channel,	$S_f = 17.17 - 16.76)/81 = 0.005$	
Orace Desting Arrow	$a_{1} = 0.5 = r^{2}$ with $a_{2} = 0.5 \times 2.44 \times 45000 \times 500$	
Gross-Section Area,	a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 150^2 + 300 \times 590$ = $0.212 m^2$	
Wetted Perimeter	$= 0.212 \text{ m}^{2}$ p = $\pi \text{ r} + 2 \text{ d} = 3.14 \text{ x} 150 + 2 \text{ x} 590$	
Hydralic radius,	= 1.651 m R = a/p	SDM 8.2.1
	= 0.129 m	
3 Use Manning Equation for est	mating velocity of stormwater	
Taka	n – 0.010 fan earande lined de averela.	
	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n = (0.129)^{1/6} x (0.129 \times 0.005)^{1/2} / 0.016$	SDM Table 13
Allowable velocity,	= 1.13 m/s	SDM Table 12
Time of flow,	$t_f = 1.2 \min$	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity,	$i = a / (t_o + t_f + b)^c$	SDM 4.3.2
	= 505.5 / (2.5+1.2+3.29)^0.35! for return period T = 50 years	SDM Table 3(a)
	= 254	
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	
Concrete Paving	0.95 850.0 807.5	
	SUM = 807.5	
Upstream flow,	$Q_u = 0 m^3/s$	
Design flow,	$Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km ²	SDM 7.5.2 (a)
	$= 0.278 \times 254 \times 807.5 / 1000000 + 0$	
	= 0.057 m ³ /s	
Allowable flow,	Q _a = a x v	
	$= 0.212 \times 1.13$	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwate	r Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich F	lanners &
	Surveyo	ors Ltd.
June 2024	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610	je 1
Julie 2024	RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P230	

1 For Catchment Area B and C		Ref.
Area	$A = 929 m^2$ A = 0.1 m per 100m A = 21 m	
Distance on the line of natural flow	L = 21 m	
Time of concentraction	$t_0 = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2*929^{0.1}})$ = 2.4 min	SDM 7.5.2 (d)
2 For Proposed U-Channel in c	atchment area B and C	
Ground level (mPD)	From To 17.50 17.50	
Invert level (mPD)	17.30 17.50 17.20 16.76	
Width of u-channe		
Length of u-channe	$L_{c} = 88.2 \text{ m}$	
Depth of vertical part of u-channel		
Gradient of u-channe	$S_{f} = .2-16.759)/88.2 = 0.005$	
Cross-Section Area	, a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 150^2 + 300 \times 591$ = 0.213 m ²	
Wetted Perimeter	$p = \pi r + 2 d = 3.14 \times 150 + 2 \times 591$	
Hydralic radius	= 1.653 m , R = a/p = 0.129 m	SDM 8.2.1
3 Use Manning Equation for es		
	$rac{d}{d} n = 0.016$ for concrete lined channels:- , $v = R^{1/6} x (RS_f)^{1/2} / n = (0.129)^{1/6} x (0.129 x 0.005)^{1/2} / 0.016$	SDM Table 13 SDM Table 12
	= 1.13 m/s	
Time of flow	$t_{\rm f} = 1.3 {\rm min}$	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity	i = $a / (t_o + t_f + b)^c$ = 505.5 / (2.4+1.3+3.29)^0.35 for return period T = 50 years = 253	SDM 4.3.2 SDM Table 3(a)
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	
Concrete Paving	0.95 929.0 <u>882.6</u> SUM = 882.6	
Upstream flow	$Q_u = 0 m^3/s$	
Design flow	$\begin{array}{rcl} Q_{d} &=& 0.278i \; \Sigma \; C_{j}A_{j} + Q_{u} & \text{where } A_{j} \; \text{is in } \text{km}^{2} \\ &=& 0.278 \; x \; 253 \; x \; 882.55 \; / \; 1000000 \; + \; 0 \\ &=& 0.062 \; \; \text{m}^{3} / \text{s} \end{array}$	SDM 7.5.2 (a)
Allowable flow	$Q_a = a \times v$ = 0.213 × 1.13	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwa	er Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich Pl	
	Lats 543(part) 544(part) 545(part) 547(part) 549(part) 540 550(part) 551(part) 552	
June 2024	RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610 RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P2305	
	(P2303	JAJ

1 For Catchment Area D	Ref.
Area, A = 2161 m^2	
Average slope, H=2.08 m per 100mDistance on the line of natural flow, L=24 m	
Time of concentraction, $t_0 = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (24) / (2.08^{0.2*2})$	2161^0.1) SDM 7.5.2 (d)
= 1.4 min	
2. For Droposed II Channel in actobrant area D	
2 For Proposed U-Channel in catchment area D	
From To	
Ground level (mPD) 17.50 15.50	
Invert level (mPD) 16.76 15.10	
Width of u-channel, w = 400 mm	
Length of u-channel, $L_c = 116.5 \text{ m}$	
Depth of vertical part of u-channel, $d = 200 \text{ mm}$	
Gradient of u-channel, $S_f = (16.76-15.1)/116.5 = 0.014$	
(10.70 - 10.1)	
Cross-Section Area, a = $0.5 \pi r^2 + w d$ = $0.5 \times 3.14 \times 200^2 + 400 \times 200$	
$= 0.143 \text{ m}^{2}$ Wetted Perimeter, p = $\pi \text{ r} + 2 \text{ d} = 3.14 \times 200 + 2 \times 200$	
Wetted Perimeter, $p = \pi r + 2 d = 3.14 \times 200 + 2 \times 200$	
= 1.028 m	
= 1.028 m Hydralic radius, R = a / p	SDM 8.2.1
= 0.139 m	0.2.1
5.100 m	
3 Use Manning Equation for estimating velocity of stormwater	
Take n = 0.016 for concrete lined channels:-	SDM Table 13
Allowable velocity, $v = R^{1/6} x (RS_f)^{1/2} / n = (0.139)^{1/6} x (0.139 \times 0.014)^{1/2} / 0.$	016 SDM Table 12
= 2.00 m/s	
Time of flow, $t_f = 1.0 \text{ min}$	
4 Use "Rational Method" for calculation of design flow	
Design intensity, i = $a / (t_o + t_f + b)^c$	0514.4.0.0
	SDM 4.3.2
$= 505.5 / (1.4+1+3.29)^{\circ} 0.355 $ for return period T = 50 ye	ears SDM Table 3(a)
= 273	
	<u>C x A</u> SDM 7.5.2 (b)
	510.8
Concrete Paving 0.95 118.0	112.1
SUM =	622.9
_	
Upstream flow, $Q_u = 0.119 \text{ m}^3/\text{s}$	
Design flow $\Omega = 0.2785 \Sigma C \Lambda + \Omega$ where Λ is in lm^2	0011750()
Design flow, $Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km ²	SDM 7.5.2 (a)
$= 0.278 \times 273 \times 622.85 / 1000000 + 0.119$	
= 0.166 m ³ /s	
Allowable flow, $Q_a = a \times v$	
= 0.143 x 2	
$= 0.143 \times 2$ = 0.286 m ³ /s	
= 0.143 x 2	
= 0.143 x 2 = 0.286 m ³ /s > Q_d (O.K.)	
$= 0.143 \times 2$ = 0.286 m ³ /s	
= 0.143 x 2 = 0.286 m ³ /s > Q_d (O.K.)	7
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD	Goldrich Planners &
= 0.143 x 2 = 0.286 m ³ /s > Q_d (O.K.)	Goldrich Planners &
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation	Goldrich Planners & Surveyors Ltd.
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Lots 543(part), 544(part), 546(part), 548(part), 549,550(part), 551(part), 552	Surveyors Ltd.
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation	

1 For Channel Section S1		Ref.
Area, Average slope, Distance on the line of natural flow,	$ \begin{array}{rcl} A &=& 0 \ m^2 \\ H &=& 0.1 \ m \ per \ 100m \\ L &=& 0 \ m \end{array} $	
Time of concentraction,	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (0) / (0.1^{0.2}*0^{0.1})$ = 0.0 min	SDM 7.5.2 (d)
2 For Proposed U-Channel Sec	tion S1	
Ground level (mPD) Invert level (mPD)	From To 15.50 15.50 15.10 15.09	
Width of u-channel, Length of u-channel, Depth of vertical part of u-channel, Gradient of u-channel,	$L_{c} = 0.5 m$	
Wetted Perimeter,	a = $0.5 \pi r^2 + w d$ = $0.5 \times 3.14 \times 200^2 + 400 \times 207$ = $0.146 m^2$ p = $\pi r + 2 d$ = $3.14 \times 200 + 2 \times 207$	
Hydralic radius,	= 1.042 m R = a/p = 0.140 m	SDM 8.2.1
3 Use Manning Equation for est	imating velocity of stormwater	
	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n$ = (0.14)^1/6 x (0.14 x 0.014)^1/2 / 0.016 = 1.99 m/s	SDM Table 13 SDM Table 12
Time of flow,	$t_f = 0.00 \text{ min}$	
4 Use "Rational Method" for cale	culation of design flow	
Design intensity,	i = a / (t _o + t _f +b) ^c = 505.5 / (0+0+3.29)^0.355 for return period T = 50 years = 331	SDM 4.3.2 SDM Table 3(a)
<u>Type of surface</u> Flat Glassland(heavy soil) Concrete Paving	Runoff Coefficient CCatchment Area A (m^2) C x A0.250.00.00.950.00.0SUM = 0.0	SDM 7.5.2 (b)
Upstream flow,	$Q_u = 0.166 \text{ m}^3/\text{s}$	
Design flow,	$\begin{array}{rcl} Q_{d} &=& 0.278i \ \Sigma \ C_{j}A_{j} + Q_{u} & \text{where } A_{j} \ \text{is in } \text{km}^{2} \\ &=& 0.278 \times 331 \times 0 \ / \ 1000000 + 0.166 \\ &=& 0.166 \ \text{m}^{3}/\text{s} \end{array}$	SDM 7.5.2 (a)
Allowable flow,	$Q_a = a \times v$ = 0.146 × 1.99 = 0.290 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwater Drainage Manual (SDM) by DSD		
Scale: NA	Drainage Calculation Goldrich I Survey	Planners & ors Ltd.
June 2024	(1) (1)	ge 4 055A)



The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong By Post and E-mail tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information

Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218
and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories

We would like to submit further information to clarify that the proposed U-Channel between CP3 to CP5 will be constructed and maintained by the lot owner(s) in response to the comments from Drainage Services Department dated 5.8.2024.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Francis Lau



The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong By Post and E-mail tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information

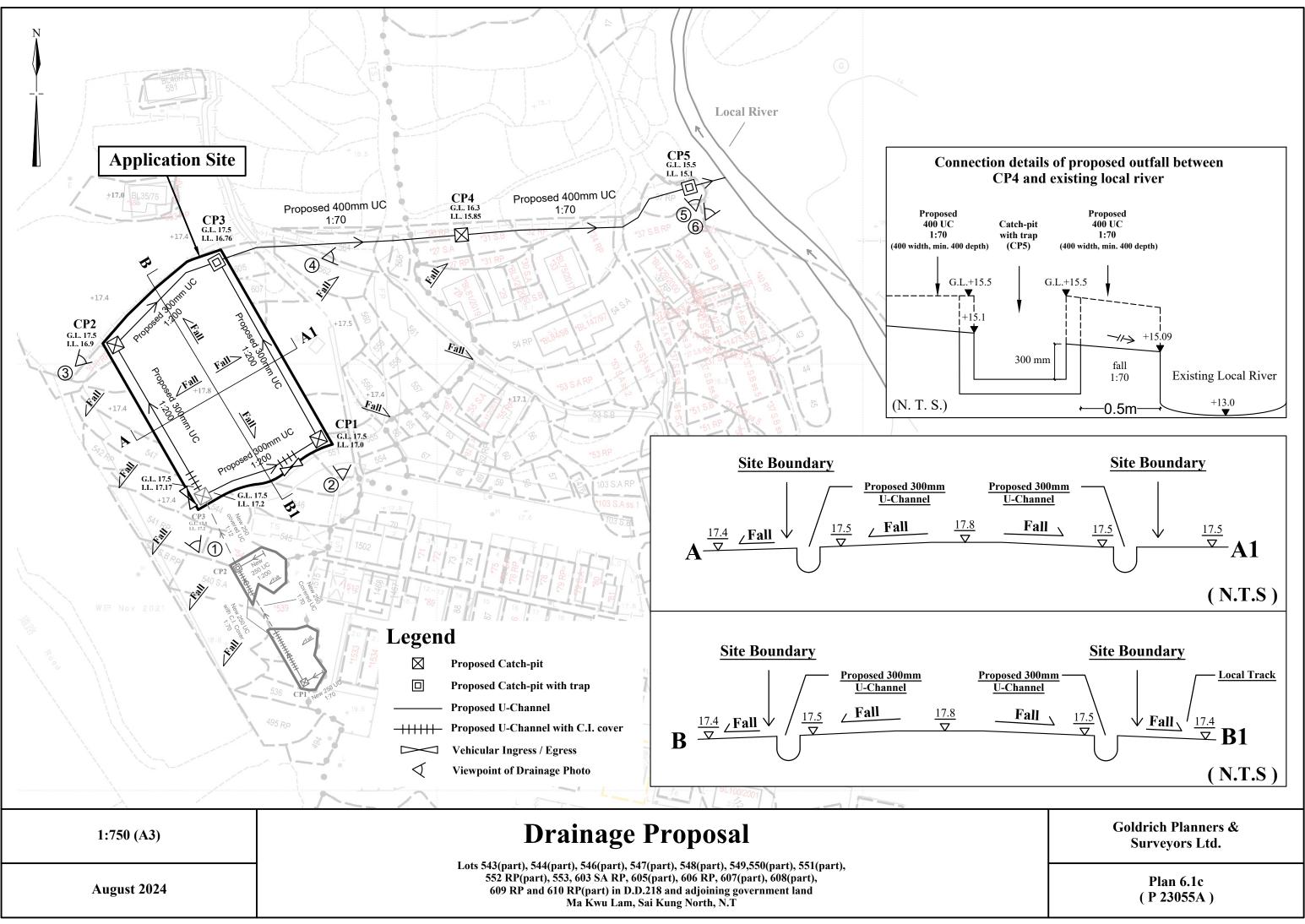
Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218
and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories

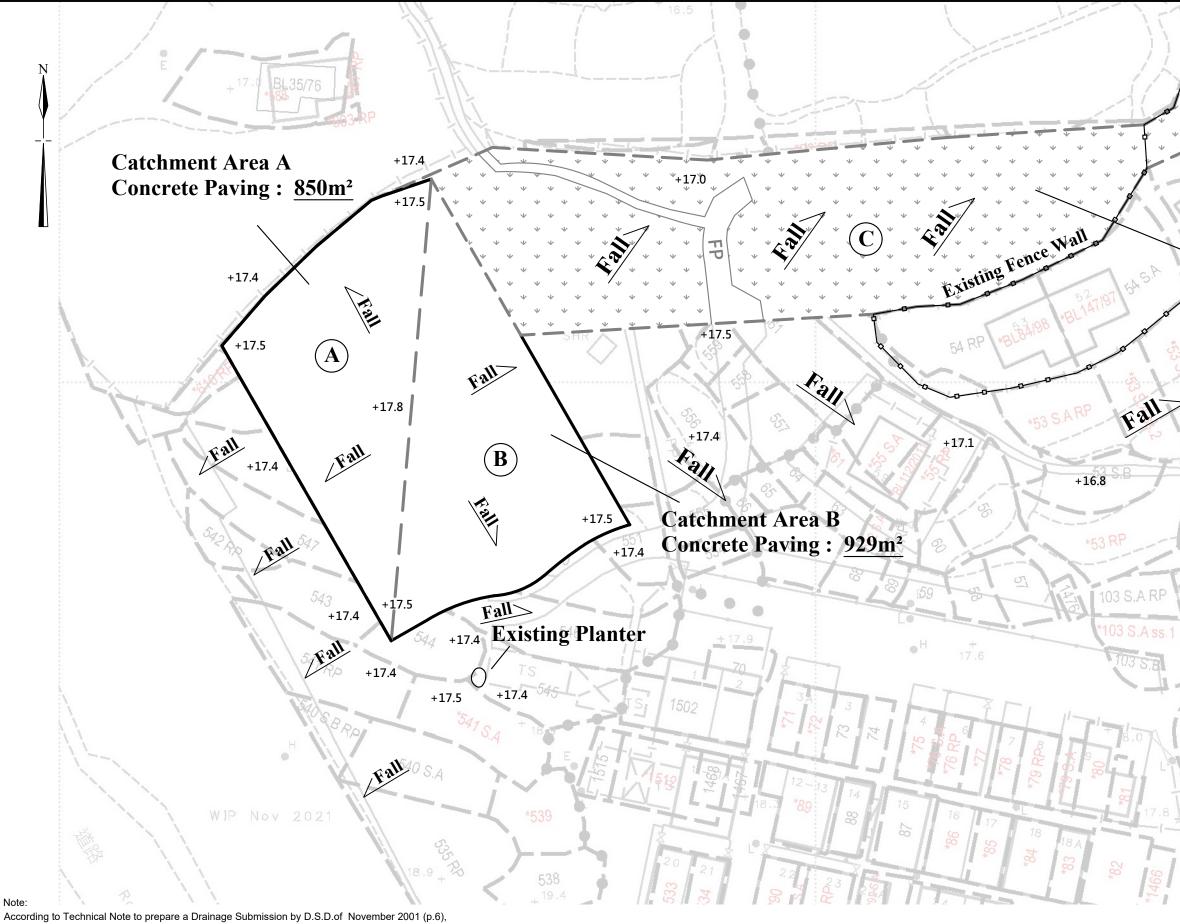
We would like to submit an updated drainage proposal (Plans 6.1c, 6.2a and 6.3) and drainage calculation for the captioned application.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Francis Lau

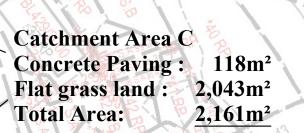
Encl.





450mm U-channel is acceptable for area below 4.000m²

1:500 (A3)	Drainage Proposal
	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part),
	552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part),
March 2024	609 RP and 610 RP(part) in D.D.218 and adjoining government land
	Ma Kwu Lam, Sai Kung North, N.T



+16.3

105

102

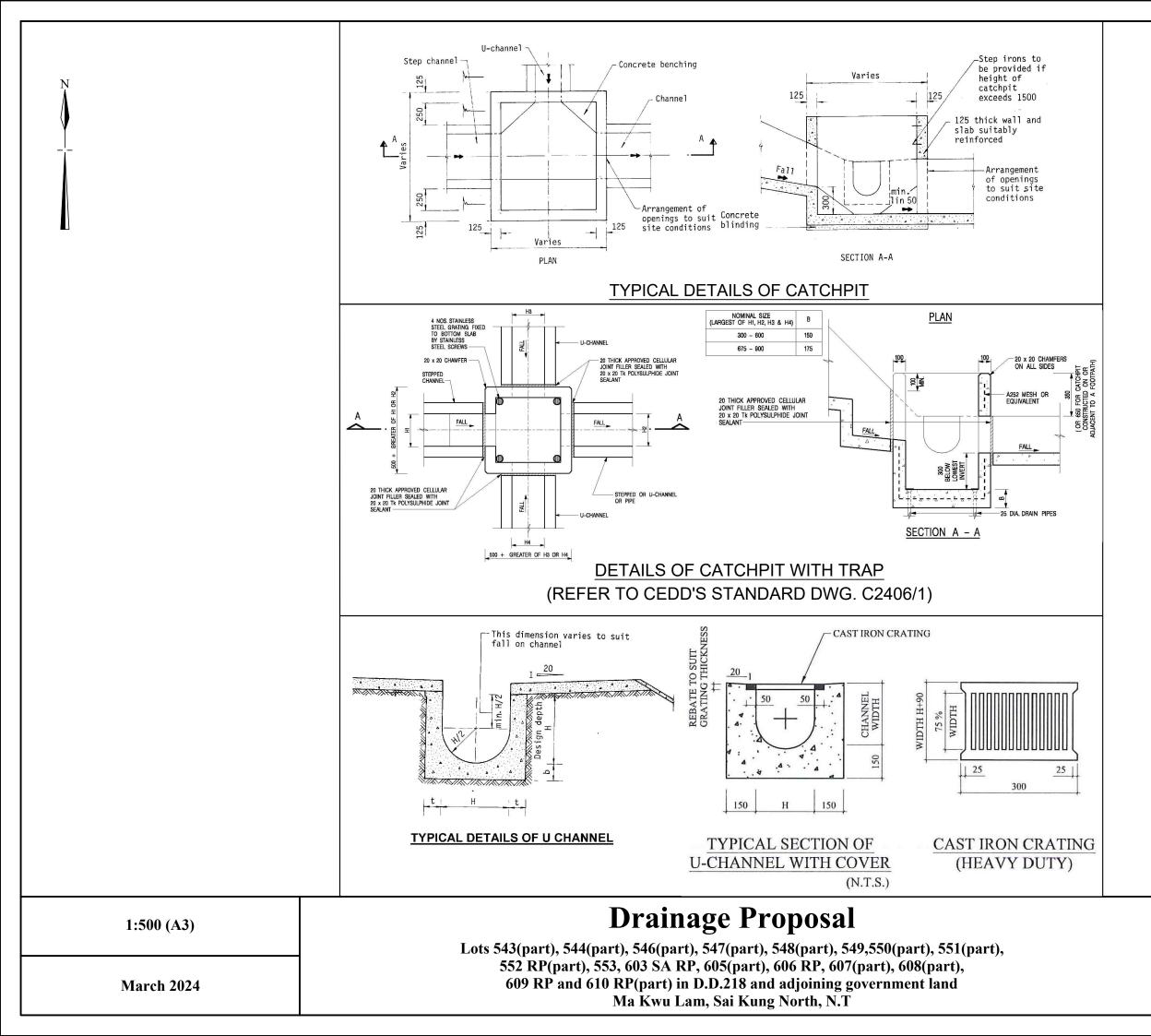
5

Fall

AREA OF CATCHMENT (N.T.S)

> **Goldrich Planners &** Surveyors Ltd.

> > Plan 6.2a (P23055A)



Goldrich Planners & Surveyors Ltd.

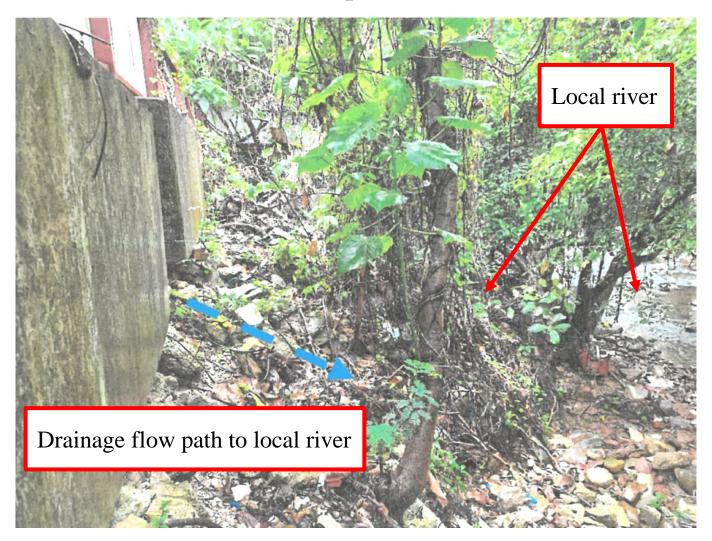
Plan 6.3 (P 23055A)













1 For Catchment Area A		Ref.
Area Average slope	$A = 850 \text{ m}^2$ H = 0.1 m per 100m	
Distance on the line of natural flow	L = 21 m	
Time of concentraction	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2}*850^{0.1})$ = 2.5 min	SDM 7.5.2 (d)
2 For Proposed U-Channel in ca	atchment area A	
Ground level (mPD) Invert level (mPD)	From To 17.50 17.50 17.17 16.76	
Width of u-channel	w = 300 mm	
Length of u-channel	. L _c = 81 m	
Depth of vertical part of u-channel		
Gradient of u-channel	$S_{f} = 17.17 - 16.76)/81 = 0.005$	
Cross-Section Area	a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 150^2 + 300 \times 590$ = $0.212 m^2$	
	$p = \pi r + 2 d = 3.14 \times 150 + 2 \times 590$	
Hydralic radius	= 1.651 m R = a/p	SDM 8.2.1
	= 0.129 m	3DW 0.2.1
3 Use Manning Equation for est	imating velocity of stormwater	
	r n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n = (0.129)^{1/6}x (0.129 \times 0.005)^{1/2} / 0.016$	SDM Table 13 SDM Table 12
Time of flow	= 1.13 m/s	
Time of now,	$t_f = 1.2 \text{ min}$	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity,	i = $a / (t_o + t_f + b)^c$ = 505.5 / (2.5+1.2+3.29)^0.35! for return period T = 50 years = 254	SDM 4.3.2 SDM Table 3(a)
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	
Concrete Paving	0.95 850.0 807.5 SUM = 807.5	
	50M - 007.5	
Upstream flow,	$Q_u = 0.031 \text{ m}^3/\text{s}$	
Design flow,	$Q_{d} = 0.278i \Sigma C_{j}A_{j} + Q_{u} \text{ where } A_{j} \text{ is in } \text{km}^{2}$ = 0.278 x 254 x 807.5 / 1000000 + 0.031 = 0.088 m ³ /s	SDM 7.5.2 (a)
Allowable flow,		
	$= 0.212 \times 1.13$	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwate	er Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich I Survey	lanners & ors Ltd.
August 2024	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610 RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P230)	je 1
		,

1 For Catchment Area B and C		Ref.
		NG1.
Area Average slope	$ \begin{array}{rcl} A & = & & 929 \text{ m}^2 \\ H & = & & 0.1 \text{ m per 100m} \\ L & = & & 21 \text{ m} \end{array} $	
Distance on the line of natural flow	L = 21 m	
Time of concentraction	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2*929^{0.1}})$ = 2.4 min	SDM 7.5.2 (d)
2 For Proposed U-Channel in c		
Ground level (mPD)	From To 17.50 17.50	
Invert level (mPD)	17.20 16.76	
Width of u-channel	w = 300 mm	
Length of u-channel	$L_{c} = 88.2 \text{ m}$	
Depth of vertical part of u-channel	d = 591 mm	
Gradient of u-channel	$S_f = .2-16.759)/88.2 = 0.005$	
Cross-Section Area	a = 0.5 π r ² + w d = 0.5 x 3.14 x 150 ² + 300 x 591	
	= 0.213 m ²	
Wetted Perimeter	$p = \pi r + 2 d = 3.14 \times 150 + 2 \times 591$	
	= 1.653 m	
Hydralic radius	R = a/p = 0.129 m	SDM 8.2.1
3 Use Manning Equation for est	imating velocity of stormwater	
Take	n = 0.016 for concrete lined channels:-	SDM Table 13
Allowable velocity	$v = R^{1/6} x (RS_f)^{1/2} / n = (0.129)^{1/6} x (0.129 \times 0.005)^{1/2} / 0.016$	SDM Table 12
Time of flow	= 1.13 m/s t _f = 1.3 min	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity	$i = a / (t_0 + t_f + b)^c$	SDM 4.3.2
	= 505.5 / (2.4+1.3+3.29)^0.35 for return period T = 50 years = 253	SDM Table 3(a
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil) Concrete Paving	0.25 0.0 0.0 0.95 929.0 882.6	
Concrete Faving	0.95 929.0 <u>882.6</u> SUM = 882.6	
Upstream flow	$Q_{u} = 0 m^{3}/s$	
Design flow	$Q_d = 0.278i \Sigma C_i A_i + Q_u$ where A_i is in km ²	SDM 7.5.2 (a)
	$= 0.278 \times 253 \times 882.55 / 1000000 + 0$	0.011 1.0.2 (u)
	= 0.062 m ³ /s	
Allowable flow	$Q_{\rm c} = a \chi \chi$	
	$a_a = a \times v$ = 0.213 x 1.13	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwa	er Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich Pl	anners &
50010. 141	Surveyor	s Ltd.
August 2024	Lots 543(part), 544(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610 RP(part)	2
August 2024	in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P2305	5A)

$= 273$ $\frac{Type of surface}{Flat Glassland(heavy soil)} \qquad \qquad$	1 For Catchment Area D		Ref.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Area,	$A = 2161 \text{ m}^2$	
$= 1.4 \text{ min}$ 2 For Proposed U-Channel in calchment area D $\frac{1}{2} \frac{1}{10000000000000000000000000000000000$	Distance on the line of natural flow,	L = 24 m	
$\begin{array}{ c c c c } \hline \hline \mbox{From} & To & T$	Time of concentraction,		SDM 7.5.2 (d)
Ground level (mPD) 17.50 15.50 Invertievel (mPD) 16.76 15.10 Width of u-channel, $u = 116.5$ m 16.5 m Depth of vurbannel, $d = 200$ mm Gradient of u-channel, $t = 116.5$ m 200 mm Gradient of u-channel, $t = 0.5 x 3.14 x 200^{\circ} 2 + 400 x 200$ = 0.143 m ² Wetted Perimeter, $p = x + 2 d = 3.14 x 200 + 2 x 200$ = 1.028 m Hydralic radius, $R = a / p$ = 0.139 m SDM 8.2.1 3 Use Manning Equation for estimating velocity of stormwater SDM 7.02.0 SDM 7.02.0 Allowable velocity, $v = R^{16} x (RS)^{10} m$ = 0.016 for concrete lined channels SDM Table 13 Allowable velocity, $v = 10.00 m/s$ = 2.00 m/s SDM 7.02.0 SDM Table 13 SDM Table 13 SDM 7.52 (b) r^2/r = $r^2/r (RS)^{10/3/16} x (0.139 x 0.014)^{11/2} / 0.016 SDM 7.52 Time of flow, t_i = 1.0 min Immediate Concrete lined channels SDM 7.52 (b) Table 33 SDM 7.52 (b) Table 30 Tupe of surface u = 0.20 m^2 x 273 x 622.85 / 1000000 + 0.15 SDM 7.52 (b) Table 30 SDM 7.52 (b) Table 30 Concrote Paving$	2 For Proposed U-Channel in ca	tchment area D	
$\frac{ \text{Invert level (mPD)}}{ \text{Secher NA} } = \frac{16.76}{4} = \frac{400 \text{ mm}}{400 \text{ mm}} + \frac{106.5 \text{ m}}{4} = \frac{400 \text{ mm}}{200 \text{ mm}} + \frac{106.5 \text{ m}}{2} = \frac{106.5 \text{ m}}{2} = \frac{106.5 \text{ m}}{2} = \frac{10.34 \text{ m}}{2} + \frac{106.5 \text{ m}}{2} = \frac{10.743 \text{ m}^2}{4} + \frac{106.5 \text{ m}}{2} = \frac{10.143 \text{ m}^2}{4} + \frac{106.5 \text{ m}}{2} = \frac{10.22 \text{ m}}{1.02 \text{ m}} + \frac{10.22 \text{ m}}{2} = \frac{10.22 \text{ m}}{1.02 \text{ m}} + \frac{10.22 \text{ m}}{2} = \frac{10.22 \text{ m}}{1.02 \text{ m}} + \frac{10.5 \text{ m}}{2} = \frac{10.22 \text{ m}}{1.02 \text{ m}} + \frac{10.22 \text{ m}}{2} = \frac{10.22 \text{ m}}{1.02 \text{ m}} + \frac{10.22 \text{ m}}{2} = \frac{10.23 \text{ m}}{1.02 \text{ m}} + \frac{10.23 \text{ m}}{2} = \frac{10.23 \text{ m}}{1.039 \text{ m}} + \frac{10.39 \text{ m}}{3} = \frac{3.0 \text{ m}}{1.039 \text{ m}} + \frac{10.39 \text{ m}}{3} = \frac{3.0 \text{ m}}{1.039 \text{ m}} + \frac{10.39 \text{ m}}{1.0 \text{ m}} + \frac{10.039 \text{ m}}{1.0 \text{ m}} + 10$			
Length of u-channel, $L_{p} = 116.5 m$ Depth of vertical part of u-channel, $S_{p} = (16.76-15.1)/116.5 = 0.014$ Cross-Section Area, $a = 0.5 \pi r^{2} + w d = 0.5 \times 3.14 \times 200^{\circ}2 + 400 \times 200$ $= 0.143 m^{2}$ Wetted Perimeter, $p = \pi r + 2 d = 3.14 \times 200 + 2 \times 200$ = 1.028 m Hydralic radius, $R = a/p$ = 0.139 m 3 Use Manning Equation for estimating velocity of stormwater Take $n = 0.016$ for concrete lined channels:- Allowable velocity, $v = R^{10} X(RS)^{10}/n = (0.139)^{11/3} \times (0.139 \times 0.014)^{11/2} / 0.016$ = 2.00 m/s Time of flow, $t_{q} = 1.0 min$ 4 Use "Rational Method" for calculation of design flow Design intensity, $i = a/(t_{q} + t_{q} + t_{p})^{e}$ $= 505.5 / (1.4 + 13.29)^{10.055}$ for return period T = 50 years $= 0.175 m^{3}/s$ Design flow, $Q_{q} = 0.278 i \Sigma CA^{1} + Q_{q}$ where A ₁ is in km ² $= 0.2778 \times 273 \times 262.85 / 1000000 + 0.15$ $= 0.177 m^{3}/s$ Allowable flow, $Q_{q} = a x v$ = 0.143 x 2 $= 0.286 m^{3}/s$ $> Q_{d} (0.K)$ Reference was made to Stormwater Drainage Manual (SDM) by DSD Example: NA Design: NA Drainage Calculation Lot 540(am), 540(gam), 540(gam), 540(gam), 540(gam), 540(gam), 530(gam), 531(gam), 531(gam			
Depth of vertical part of u-channel, $S_r = (16.76-15.1)(116.5 = 0.014)$ Solution of the channel, $S_r = (16.76-15.1)(116.5 = 0.014)$ Cross-Section Area, $a = 0.5 \pi T^2 + w d = 0.53.14 \times 200^2 + 400 \times 200$ $0.143 m^2$ SDM 8.2.1Wetted Porimeter, $p = \pi r + 2.d = 3.14 \times 200 + 2 \times 200$ $0.143 m^2$ SDM 8.2.1Wetted Porimeter, $p = \pi r + 2.0 m r + 2.0 m r + 2.0 m r + 2.00 m hydralic radius, R = a/p0.139 mSDM 8.2.13 Use Manning Equation for estimating velocity of stormwaterTake n = 0.016 for concrete lined channels:-SDM Table 13Allowable velocity, v = R^{10} X (R5)^{10} R^{-1} = (0.139 \times 16.3 \times 0.014)^{+1/2} / 0.016SDM Table 132.00 m/sTime of flow, l_r = 1.0 minSDM Table 304 Use "Rational Method" for calculation of design flowSDM 7.52 (b)SDM Table 30.3 SOM 7.52 (b)Proe of surfaceRunoff Coefficient C0.95Catchment Area A (m^2) C x A2043.0 0 510.8SDM 7.52 (b)Proe of surface0.276 \times 273 \times 622.85 / 1000000 + 0.15= 0.197 m^3/sSDM 7.52 (b)SDM 7.52 (c)Proe of surface0.276 \times 273 \times 622.85 / 1000000 + 0.15= 0.197 m^3/sSDM 7.52 (c)SDM 7.52 (c)Proe of surface0.167 m^3/s0.286 m^3/s= 0.286 m^3/s= 0.286 m^3/sSDM 7.52 (c)Proe of surface0.162 m^3/s= 0.143 \times 2= 0.286 m^3/s= 0.286 m^3/sSDM 7.52 (a)SDM 7.52 (a)Proe of surfaceProin Manuel (SDM) by DSDSDM 7.52 (m s) 3000000 + 0.15= 0.143 \times 2= 0.286 m^3/s> Q_d (O.K)SDM 7.52 (m s) 3000000 + 0.15= 0.143 \times 2= 0.286 m^3/s> Q_d (O.K)<$			
Gradient of u-channel, $S_r = (16.76-15.1)/(16.6 = 0.014)$ Cross-Section Area, $a = 0.5 \pi r^2 + wd = 0.5 \times 3.14 \times 200^2 + 400 \times 200$ = 0.143 m²SDM 8.2.1Wetted Perimeter, $p = \pi r + 2 d = 3.14 \times 200 + 2 \times 200$ = 1.028 mSDM 8.2.1Hydrailc radius, $R = a/p$ $= 0.139 m$ SDM 8.2.13 Use Manning Equation for estimating velocity of stormwaterSDM 7.19 mTake $n = 0.016$ for concrete lined channels:- 2.00 m/s SDM 7.19 $\times 10.100 \text{ m}^{10}$ Allowable velocity, $v = 1.0 \text{ min}$ 2.00 m/s Time of flow, $t_{\pi} = 1.0 \text{ min}$ SDM 7.52 (b)4 Use "Rational Method" for calculation of design flowSDM 4.3.2Design intensity, $i = a/(t_{\pi} + 1)e^{5}$ $= 0.05.5 / (1.4 + 14.3.29)(0.355)$ for return period T = 50 years $= 2.030.5 / (1.4 + 14.3.29)(0.355)$ SDM 7.52 (b)Type of surface Flat Glassland(heavy soil)Q.25 0.255 0.955 Catchment Area A (m²) 0.25 $0.263 0 510.8$ $0.955 0 112.0 0 112.1$ $SUM = [622.9]$ SDM 7.5.2 (b)Upstream flow, $Q_a = 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.2778 \times 273 \times 622.85 / 100000 + 0.15$ $= 0.2778 \times 273 \times 622.85 / 100000 + 0.15$ $= 0.278 \times 273 \times 622.85 / 100000 + 0.15$ $= 0.278 \times 73 \times 622.86 m^3/s$ $> Q_a (0.K)$ SDM 7.5.2 (a)Reference was made to Stormwater trainage Manual (SDM) by DSDSDMS1(gent), 540(gent), 540(gent), 549(gent), 549			
Cross-Section Area, $a = 0.5 \pi t^2 + w d = 0.5 \times 3.14 \times 200^2 + 400 \times 200$ $= 0.143 m^2$ Wetted Perimeter, $p = \pi r + 2 d = 3.14 \times 200 + 2 \times 200$ Hydralic radius, $R = a/p$ $= 0.139 m$ SDM 8.2.13 Use Manning Equation for estimating velocity of stormwater Take $n = 0.016$ for concrete lined channels:- Allowable velocity, $v = R^{16} \times (RS_0)^{12}/n = (0.139)^{+1/2} \times (0.139 \times 0.014)^{+1/2} / 0.016$ $= 2.00 m/s$ Time of flow, $t_i = 1.0 min$ SDM Table 13 SDM Table 124 Use "Rational Method" for calculation of design flow Design intensity, $i = a/(t_a + t_i + b)^c$ $= 505.5 / (1.4+1) + 3.29)^{0.355}$ for return period T = 50 years $= 273$ SDM 4.3.2 SDM 7.5.2 (a) $= 0.276 \times 273 \times 22.45 / 1000000 + 0.15$ $= 0.276 \times 273 \times 22.45 / 1000000 + 0.15$ $= 0.276 \times 273 \times 22.45 / 1000000 + 0.15$ $= 0.276 \times 273 \times 22.45 / 1000000 + 0.15$ $= 0.216 \times n^3/s$ SDM 7.5.2 (a) $= 0.143 \times 2$ $= 0.266 m^3/s$ $> Q_d (O.K)$ Reference was made to Stormwater Drainage Manual (SDM) by DSDScale: NADrainage Calculation Drainage Calculation			
Wetted Perimeter, p = 0.143 m ² = 1.028 m SDM 8.2.1 3 Use Manning Equation for estimating velocity of stormwater SDM 8.2.1 SDM 8.2.1 3 Use Manning Equation for estimating velocity of stormwater SDM 7able 13 SDM 7able 13 Allowable velocity, v = R ¹⁶ x (RS) ¹⁰ /n = (0.139 x 0.014) ⁴ 1/2 / 0.016 SDM 7able 13 4 Use "Rational Method" for calculation of design flow Image: Calculation of design flow SDM 7able 33 SDM 7able 33 4 Use "Rational Method" for calculation of design flow Image: Calculation of design flow SDM 7able 30 SDM 7able 33 5 Pair (Idata Glassiand(heavy soli) Image: Calculation of design flow SDM 7.5.2 (b) SDM 7.5.2 (b) 1 Upstream flow, Q _a = 0.15 m ³ /s SDM 7.5.2 (b) SDM 7.5.2 (c) 2 Upstream flow, Q _a = 0.276 x 273 x 62.2 85 / 1000000 + 0.15 SDM 7.5.2 (a) SDM 7.5.2 (a) 2 0.286 m ³ /s Image: Calculation SDM 7.5.2 (a) SDM 7.5.2 (a) 2 0.286 m ³ /s Image: Calculation SDM 7.5.2 (a) SDM 7.5.2 (a) 2 0.286 m ³ /s Image: Calculation SDM 7.5.2 (a) SDM 7.5.2 (a) 2 0.286 m ³ /s Image: Calculation Sint rest 40 (a)	Gradient of u-channel,	$S_f = (16.76-15.1)/116.5 = 0.014$	
Wetted Perimeter, $p = x r + 2d = 3.14 \times 200 + 2 \times 200$ 1.028 mSDM 8.2.11.028 m1.028 mHydralic radius, R = a / p = 0.139 m0.139 m3 Use Manning Equation for estimating velocity of stormwaterSDM 182.1Take n = 0.016 for concrete lined channels:- Allowable velocity, v = R ^{1/8} x (Rs) ^{10/} /n = (0.139)^{10/6} x (0.139 \times 0.014)^{1/2} / 0.016 	Cross-Section Area,		
Hydralic radius, R = 1.028 m SDM 8.2.1 3 Use Manning Equation for estimating velocity of stormwater SDM 8.2.1 3 Use Manning Equation for estimating velocity of stormwater SDM 7.5.2 (a) Allowable velocity, v = 0.136 for concrete lined channels:- Allowable velocity, v SDM 7.5.2 (b) 4 Use "Rational Method" for calculation of design flow SDM 7.5.2 (b) 2 Design intensity, i = a / (b_a + t_a + b)^c = 505.5 / (1.4 + 11 + 3.29)^0.355 for return period T = 50 years = 273 SDM 7.5.2 (b) 1 Type of surface Flat Classiand(heavy soil) Runoff Coefficient C 0.26 118.0 112.1 SUM = 622.9 SDM 7.5.2 (b) 1 Upstream flow, Q _u = 0.15 m ³ /s SDM 7.5.2 (a) SDM 7.5.2 (a) 0 Design flow, Q _a = 0.278 is C/A + Q _a where A _i is in km ² = 0.278 x 273 x 622.85 / 1000000 + 0.15 = 0.143 x 2 = 0.286 m ³ /s > Q _a (0.K.) SDM 7.5.2 (a) SDM 7.5.2 (a) Reference was made to Stormwater Drinage Manual (SDM) by DSD Euce \$43(part), \$45(part), \$4	Wetted Perimeter,		
= 0.139 m 3 Use Manning Equation for estimating velocity of stormwater Take n = 0.016 for concrete lined channels:: Allowable velocity, v = R ¹⁶ X (RS) ¹⁶² m = (0.139)^{h}/6 x (0.139 x 0.014)^{h}/12 / 0.016 = 2.00 m/s Time of flow, t _i = 1.0 min 4 Use "Rational Method" for calculation of design flow Design intensity, i = a / (t ₀ + t ₁ + b) ^c = 505.5 / (1.4+1+3.29)^{h}.355 for return period T = 50 years = 273 Type of surface Flat Classland(heavy soil) Concrete Paving Concrete Paving Upstream flow, Q _u = 0.15 m ³ /s Design flow, Q _u = 0.15 m ³ /s Design flow, Q _u = 0.15 m ³ /s Allowable flow, Q _u = 0.278 x 273 x 622.85 / 1000000 + 0.15 = 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Los 542(part), 546(part), 546(part), 547(part), 549(part), 549,550(part), 551(part), 552 (part), 551(part), 551(part), 552 (part), 551(part),		= 1028 m	
3 Use Manning Equation for estimating velocity of stormwater SDM Table 13 3 Use Manning Equation for estimating velocity of stormwater SDM Table 13: 4 Use "Rational Method" for calculation of design flow SDM Table 12: 4 Use "Rational Method" for calculation of design flow SDM 4.3.2 5 505.5 / (1.4+1+3.29)*0.355 for return period T = 50 years SDM 7.5.2 (b) 7 Type of surface Runoff Coefficient C Catchment Area A (m ²) Cx A 7 Type of surface Runoff Coefficient C 2043.0 510.8 118.0 112.1 SUM = [622.9] SDM 7.5.2 (b) Upstream flow, $Q_u = 0.278 i \Sigma CA + Q_u$ where A_i is in km ² SDM 7.5.2 (a) SDM 7.5.2 (a) $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ SDM 7.5.2 (a) $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.276 \times 273 \times 622.85 / 1000000 + 0.15$ SDM 7.5.2 (a) $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ SDM 7.5.2 (a) $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ SDM 7.5.2 (a) $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.276 \times 73 \times 622.85 / 1000000$	Hydralic radius,		SDM 8.2.1
Take n = 0.016 for concrete lined channels:- Allowable velocity, v = R ¹⁶ X (RS) ^{1/2} /n = (0.139)^41/6 x (0.139 x 0.014)^41/2 / 0.016 = 2.00 m/s Time of flow, t _i = 1.0 minSDM Table 13 SDM Table 124 Use "Rational Method" for calculation of design flowDesign intensity, i = a / (t ₀ + t ₁ + b) ⁰ = 505.5 / (1.4 + 1+3.29)^0.355 for return period T = 50 years = 273SDM 4.3.2 SDM 4.3.2 SDM 7.5.2 (b)1 Ups of surface Flat Glassland(heavy soil) Concrete PavingRunoff Coefficient C 0.25 0.95Catchment Area A (m ²) 2043.0 118.0 UM = [622.9]SDM 7.5.2 (b) SDM 7.5.2 (c)Upstream flow, Q _u = 0.15 m ³ /s = 0.278 x 273 x 622.85 / 100000 + 0.15 = 0.197 m ³ /sSDM 7.5.2 (a) = 0.157 m ³ /sSDM 7.5.2 (a) = 0.278 i x 273 x 622.85 / 100000 + 0.15 = 0.143 x 2 = 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K)SDM 7.5.2 (a) SDM 7.5.2 (b)Scale: NADrainage Calculation Luts 540(part),	3 Use Manning Equation for est		
Allowable velocity, v= $\mathbb{R}^{1/6} x (\mathbb{RS})^{1/2}/n$ =(0.139)^{1/6} x (0.139 x 0.014)^{1/2} / 0.016SDM Table 12=2.00 m/sTime of flow, tr=1.0 min1.0 min1.0 min1.0 min1.0 min4Use "Rational Method" for calculation of design flowDesign intensity, i=1.0 min1.0 minSDM 4.3.2SDM 4.3.24Use "Rational Method" for calculation of design flow $= 273$ for return period T = 50 yearsSDM 4.3.2SDM 4.3.25Type of surface Flat Glassland(heavy soil) Concrete PavingRunoff Coefficient C 0.25Catchment Area A (m ²) 2043.0Cx A 510.8SDM 7.5.2 (b)Upstream flow, $Q_u = 0.15 \text{ m}^3/\text{s}$ SUM = $\begin{bmatrix} 622.9 \\ 0.95 \\ 118.0 \\ 112.1 \\ SUM = \begin{bmatrix} 622.9 \\ 622.9 \\ 0.95 \\ 2043.0 \\ 118.0 \\ 112.1 \\ SUM = \begin{bmatrix} 622.9 \\ 622.9 \\ 0.95 \\ 118.0 \\ 112.1 \\ SUM = \begin{bmatrix} 622.9 \\ 0.25 \\ 0.25 \\ 2043.0 \\ 118.0 \\ 112.1 \\ SUM = \begin{bmatrix} 622.9 \\ 0.25 \\$			
Time of flow, t_r = 1.0 min 4 Use "Rational Method" for calculation of design flow SDM 4.3.2 Design intensity, i = a / (t_p + t_r + b)^0 SDM 4.3.2 = 273 for return period T = 50 years SDM 1.3.2 Type of surface Runoff Coefficient C Catchment Area A (m ²) CxA Flat Glassland(heavy soil) 0.25 2043.0 510.8 Concrete Paving 0.95 118.0 112.1 SUM = [622.9] Upstream flow, Q_u = 0.15 m ³ /s Design flow, Q_d = 0.278 \times 273 \times 622.85 / 1000000 + 0.15 = = 0.197 m ³ /s SDM 7.5.2 (a) SDM 7.5.2 (a) Allowable flow, Q_a = a x v = 0.286 m ³ /s SDM 7.5.2 (a) = 0.143 x 2 = 0.286 m ³ /s SUM 7.5.2 (a) SUM 7.5.2 (a) Reference was made to Stormwater Drainage Manual (SDM) by DSD SDM Surveyors Ltd. Surveyors Ltd.			and the state of the second state of the second states of the second sta
4 Use "Rational Method" for calculation of design flow SDM 4.3.2 Design intensity, i = a / (t _o + t _i + b) ^o = 505.5 / (1.4+1+3.29)^0.355 for return period T = 50 years = 273 SDM 4.3.2 Type of surface Flat Glassland(heavy soil) Runoff Coefficient C 0.25 Catchment Area A (m ²) 2043.0 C × A 510.8 Concrete Paving 0.95 118.0 112.1 SUM = [622.9] Upstream flow, Q _u = 0.15 m ³ /s SDM 7.5.2 (b) Design flow, Q _u = 0.278 i 2 C/A ₁ + Q _u where A ₁ is in km ² = 0.278 × 273 × 622.85 / 1000000 + 0.15 = 0.197 m ³ /s SDM 7.5.2 (a) Allowable flow, Q _u = a x v = 0.286 m ³ /s > Q _d (0.K.) SDM 7.5.2 (b) Reference was made to Stormwater Drainage Manual (SDM) by DSD Goldrich Planers & Surreyors Ltd. Scale: NA Drainage Calculation Goldrich Planers & Surreyors Ltd.	Time of flow		
Design intensity, i = a / $(t_0 + t_i + b)^\circ$ = 505.5 / (1.4+1+3.29)^0.355 for return period T = 50 years = 273SDM 4.3.2 SDM Table 3(a) SDM 7.5.2 (b)Type of surface Flat Glassland(heavy soil)Runoff Coefficient C 0.25Catchment Area A (m ²) 2043.0 510.8 118.0 112.1 SUM = [622.9]SDM 7.5.2 (b)Upstream flow, $Q_u = 0.15 \text{ m}^3/\text{s}$ Design flow, $Q_d = 0.278 \text{ is } C_i A_j + Q_u$ where A_j is in km ² = 0.278 x 273 x 622.85 / 1000000 + 0.15 = 0.197 m ³ /\text{s}SDM 7.5.2 (a)Design flow, $Q_a = a x v$ = 0.143 x 2 = 0.143 x 2 = 0.286 m ³ /\text{s} > Q_d (O.K.)SDM 7.5.2 (b)SDM 7.5.2 (c)Reference was made to Stormwater Drainage Manual (SDM) by DSDSDMGoldrich Planners & Surveyors Ltd.Surveyors Ltd.Scale: NADrainage Calculation Surveyors Ltd.Goldrich Planners & Surveyors Ltd.			
$ \begin{array}{ c c c } \hline = 505.5 / (1.4+1+3.29)^{0.355} & \text{for return period T = 50 years} \\ = 273 & \text{SDM Table 3(a)} \\ \hline \\ $			0004.0.0
Flat Glassland(heavy soil) Concrete Paving 0.25 0.95 2043.0 118.0 510.8 	Design intensity,	= 505.5 / (1.4+1+3.29)^0.355 for return period T = 50 years	SDM 4.3.2 SDM Table 3(a)
Concrete Paving0.95118.0112.1SUM = $\begin{bmatrix} 622.9 \\ 622.9 \end{bmatrix}$ Upstream flow, $Q_u = 0.278i \Sigma C_i A_j + Q_u$ where A_j is in km²SDM 7.5.2 (a)Design flow, $Q_d = 0.278i \Sigma C_i A_j + Q_u$ where A_j is in km²SDM 7.5.2 (a) $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.197 m^3/s$ Allowable flow, $Q_a = a \times v$ $= 0.143 \times 2$ $= 0.143 \times 2$ $= 0.286 m^3/s$ $> Q_d$ (O.K.)Reference was made to Stormwater Drainage Manual (SDM) by DSDSolution Solution Solut			SDM 7.5.2 (b)
$SUM = \boxed{622.9}$ Upstream flow, $Q_u = 0.15 \text{ m}^3/\text{s}$ Design flow, $Q_d = 0.278 \text{i} \Sigma \text{ C}/\text{A} + Q_u$ where $A_j \text{ is in } \text{km}^2$ $= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.197 \text{ m}^3/\text{s}$ Allowable flow, $Q_a = a \times v$ $= 0.143 \times 2$ $= 0.286 \text{ m}^3/\text{s}$ $> Q_d (O.K.)$ Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Goldrich Planners & Surveyors Ltd. Lots \$43(part), 544(part), 546(part), 547(part), 548(part), 551(part), 551			
Design flow, $Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km² = 0.278 x 273 x 622.85 / 1000000 + 0.15 = 0.197 m³/sSDM 7.5.2 (a)Allowable flow, $Q_a = a \times v$ = 0.143 x 2 			
$= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.197 \text{ m}^3/\text{s}$ Allowable flow, $Q_a = a \times v$ $= 0.143 \times 2$ $= 0.286 \text{ m}^3/\text{s}$ $> Q_d (O.K.)$ Reference was made to Stormwater Drainage Manual (SDM) by DSD $Scale: NA$ $Drainage Calculation$ $Scale: NA$ $Coldrich Planners \&$ $Surveyors Ltd.$ $Goldrich Planners \&$ $Surveyors Ltd.$	Upstream flow,	$Q_u = 0.15 \text{ m}^3/\text{s}$	
$= 0.278 \times 273 \times 622.85 / 1000000 + 0.15$ $= 0.197 \text{ m}^3/\text{s}$ Allowable flow, $Q_a = a \times v$ $= 0.143 \times 2$ $= 0.286 \text{ m}^3/\text{s}$ $> Q_d (O.K.)$ Reference was made to Stormwater Drainage Manual (SDM) by DSD $Scale: NA$ $Drainage Calculation$ $Scale: NA$ $Coldrich Planners \&$ $Surveyors Ltd.$ $Goldrich Planners \&$ $Surveyors Ltd.$	Design flow.	$Q_d = 0.278i \Sigma C_i A_i + Q_u$ where A_i is in km ²	SDM 7.5.2 (a)
Allowable flow, $Q_a = a \times v$ $= 0.143 \times 2$ $= 0.286 m^3/s$ > $Q_d (O.K.)$ $Q_d (O.K.)$ Reference was made to Stormwater Drainage Manual (SDM) by DSDScale: NAGoldrich Planners & Surveyors Ltd.Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 551Dage 3		= 0.278 x 273 x 622.85 / 1000000 + 0.15	
= 0.143 x 2 = 0.286 m ³ /s > Q _d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Goldrich Planners & Scale: NA Lots 543(part), 544(part), 546(part), 549,550(part), 551(part), 552 Page 3		= 0.197 m ⁻ /s	
= 0.286 m³/s > Q_d (O.K.) Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Goldrich Planners & Surveyors Ltd. Lots 543(part), 544(part), 546(part), 547(part), 549,550(part), 551(part), 552 Page 3	Allowable flow,		
Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Goldrich Planners & Surveyors Ltd. Lots 543(part), 544(part), 546(part), 547(part), 549,550(part), 551(part), 552 Page 3			
Reference was made to Stormwater Drainage Manual (SDM) by DSD Scale: NA Drainage Calculation Goldrich Planners & Surveyors Ltd. Lots 543(part), 544(part), 546(part), 547(part), 549,550(part), 551(part), 552 Page 3		> Q _d (O.K.)	
Scale: NA Dramage Calculation Surveyors Ltd. Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 Page 3	Reference was made to Stormwate		
Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552	Scale: NA		
August 2024 RP(part), 553, 603 SA RP, 605(part), 606 RP. 607(part), 608(part), 609 RP and 610 rage 5		Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552	
August 2024RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T(P23055A)	August 2024	(c) (part), 555, 665 57 (c), 665 (part), 666 (c), 667 (part), 669 (c) and 616	

1 For Channel Section S1		Ref.
Area,	$A = 0 m^2$	
Average slope, Distance on the line of natural flow,	$ \begin{array}{rcl} A &= & 0 \ m^2 \\ H &= & 0.1 \ m \ per \ 100m \\ L &= & 0 \ m \end{array} $	
Time of concentraction,	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (0) / (0.1^{0.2}*0^{0.1})$ = 0.0 min	SDM 7.5.2 (d)
2 For Proposed U-Channel Secti	on S1	
	From To	
	15.50 15.50 15.10 15.09	
Width of u-channel,	w = 400 mm	
Length of u-channel,		
Depth of vertical part of u-channel,		
	$S_f = 15.1 - 15.093)/0.5 = 0.014$	
Cross-Section Area,	a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 200^2 + 400 \times 207$ = $0.146 m^2$	
Wetted Perimeter,		
	= 1.042 m	
Hydralic radius,	R = a/p = 0.140 m	SDM 8.2.1
3 Use Manning Equation for estir		
Take Allowable velocity,	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n = (0.14)^{1/6} x (0.14 \times 0.014)^{1/2} / 0.016$ = 1.99 m/s	SDM Table 13 SDM Table 12
Time of flow,		
4 Use "Rational Method" for calc	ulation of design flow	
Design intensity,	i = $a / (t_o + t_f + b)^c$ = 505.5 / (0+0+3.29)^0.355 for return period T = 50 years = 331	SDM 4.3.2 SDM Table 3(a
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil) Concrete Paving	0.25 0.0 0.0 0.95 0.0 0.0	
	SUM = 0.0	
Upstream flow,	$Q_u = 0.197 \text{ m}^3/\text{s}$	
Design flow,	$Q_{d} = 0.278i \Sigma C_{j}A_{j} + Q_{u} \text{ where } A_{j} \text{ is in } \text{km}^{2}$ = 0.278 x 331 x 0 / 1000000 + 0.197 = 0.197 m ³ /s	SDM 7.5.2 (a)
Allowable flow,	$Q_a = a \times v$ = 0.146 x 1.99	
	= 0.290 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwate	r Drainage Manual (SDM) by DSD	
Scale: NA		l Planners & ors Ltd.
August 2024	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610	



The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong By Post and E-mail tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information

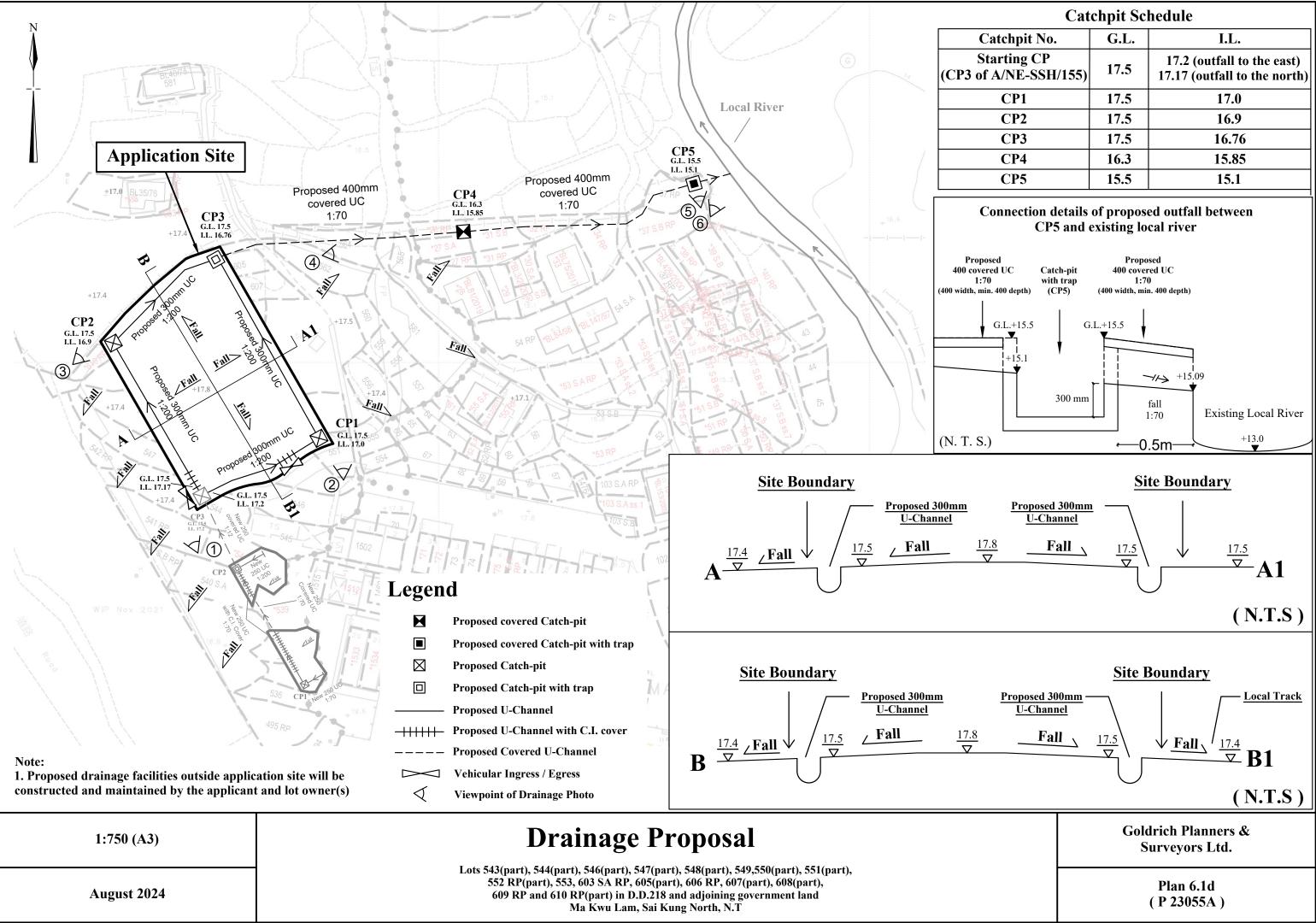
Proposed Temporary Private Vehicle Park (Private Cars) for a Period of 3 Years in "Village Type Development" Zone, Lot Nos. 543 (Part), 544 (Part), 546 (Part), 547 (Part), 548 (Part), 549, 550 (Part), 551 (Part), 552 RP (Part), 553, 603 S.A RP, 605 (Part), 606 RP, 607 (Part), 608 (Part), 609 RP and 610 RP (Part) in D.D. 218
and Adjoining Government Land, Ma Kwu Lam Village, Sai Kung North, New Territories

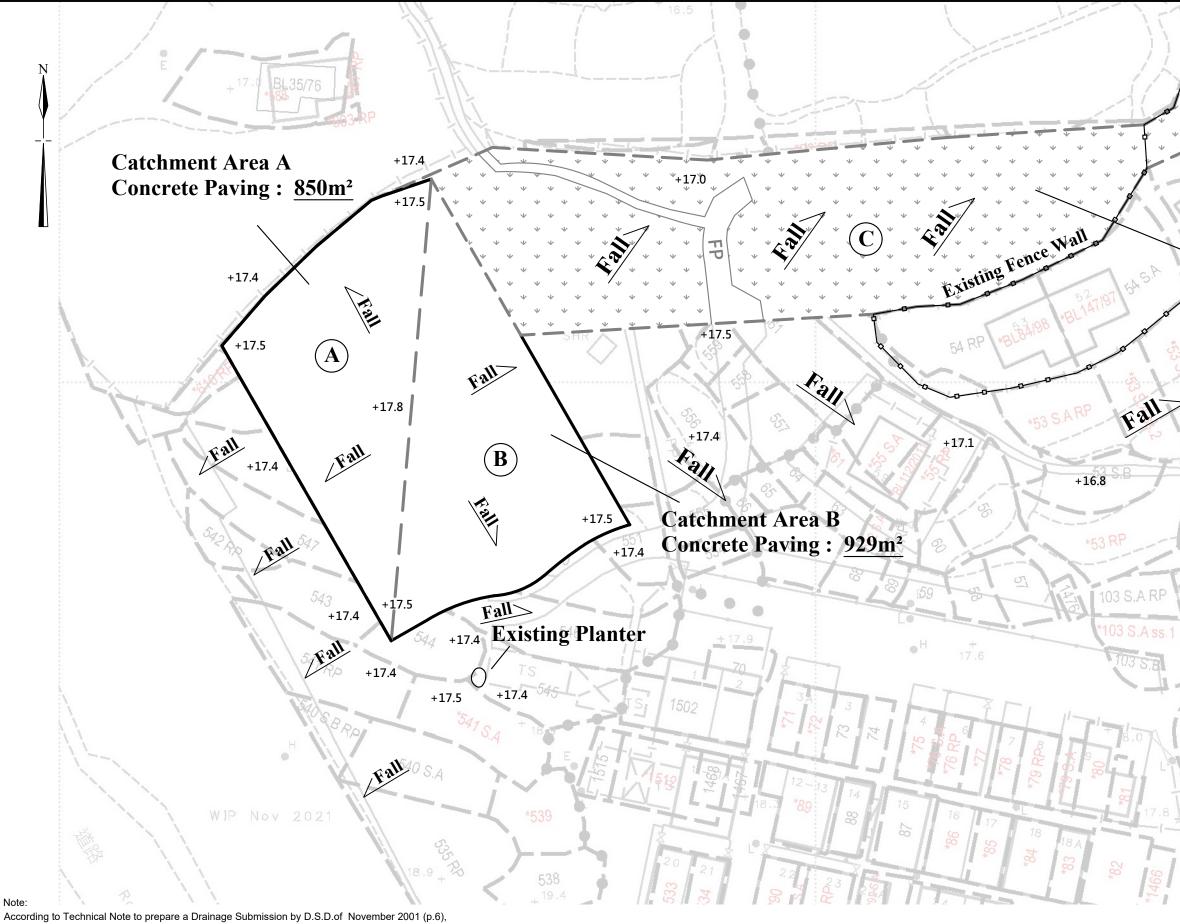
We would like to submit a set of updated drainage proposal for the captioned application.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Francis Lau

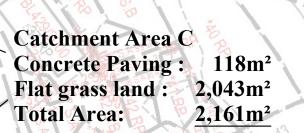
Encl.





450mm U-channel is acceptable for area below 4.000m²

1:500 (A3)	Drainage Proposal
	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part),
March 2024	552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part),
	609 RP and 610 RP(part) in D.D.218 and adjoining government land
	Ma Kwu Lam, Sai Kung North, N.T



+16.3

105

102

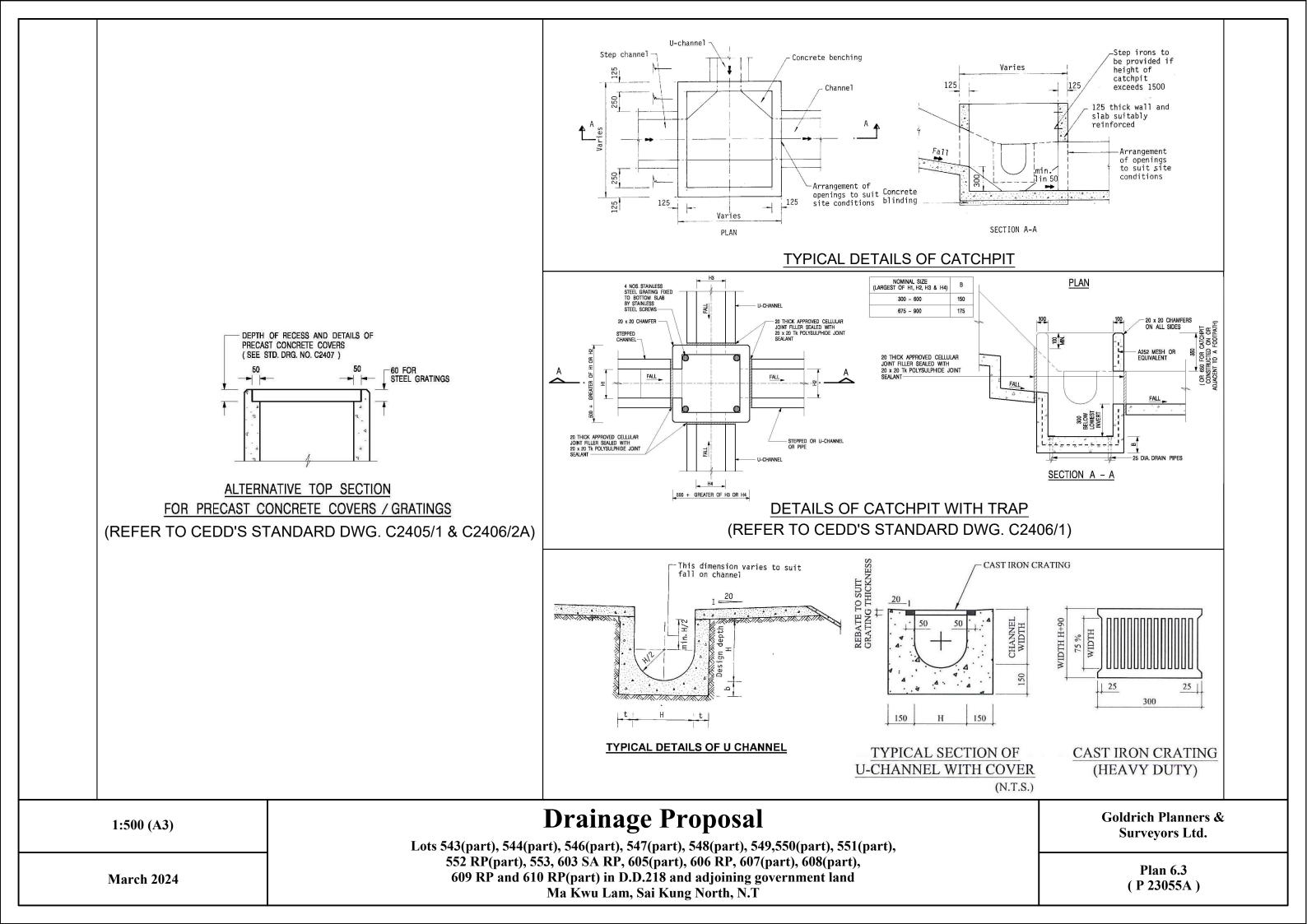
5

Fall

AREA OF CATCHMENT (N.T.S)

> **Goldrich Planners &** Surveyors Ltd.

> > Plan 6.2a (P23055A)

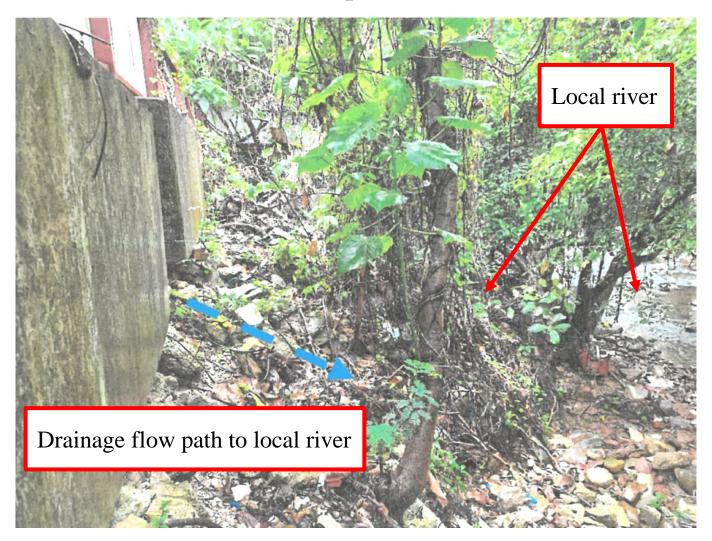














1 For Catchment Area A		Ref.
Area, Average slope,	$A = 850 \text{ m}^2$ H = 0.1 m per 100m	
Distance on the line of natural flow,	L = 21 m	
Time of concentraction,	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2}*850^{0.1})$ = 2.5 min	SDM 7.5.2 (d)
2 For Proposed U-Channel in ca	atchment area A	
Ground level (mPD) Invert level (mPD)	From To 17.50 17.50 17.17 16.76	
Width of u-channel,	w = 300 mm	
Length of u-channel,	$L_c = 81 \text{ m}$	
Depth of vertical part of u-channel,		
Gradient of u-channel,	$S_f = 17.17 - 16.76)/81 = 0.005$	
Cross-Section Area	a = $0.5 \pi r^2 + w d$ = $0.5 \times 3.14 \times 150^2 + 300 \times 590$ = $0.212 m^2$	
	$p = \pi r + 2 d = 3.14 \times 150 + 2 \times 590$	
Hydralic radius	= 1.651 m R = a/p	SDM 8.2.1
	= 0.129 m	3DW 0.2.1
3 Use Manning Equation for est	imating velocity of stormwater	
	n = 0.016 for concrete lined channels:-	SDM Table 13
Allowable velocity,	v = $R^{1/6}x (RS_f)^{1/2}/n$ = (0.129)^1/6 x (0.129 x 0.005)^1/2 / 0.016 = 1.13 m/s	SDM Table 12
Time of flow,	$t_f = 1.2 \text{ min}$	
4 Use "Rational Method" for cal	culation of design flow	
Design intensity,	i = $a / (t_o + t_f + b)^c$ = 505.5 / (2.5+1.2+3.29)^0.35! for return period T = 50 years = 254	SDM 4.3.2 SDM Table 3(a)
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	
Concrete Paving	0.95 850.0 807.5	
	SUM = 807.5	
Upstream flow,	$Q_u = 0.031 \text{ m}^3/\text{s}$	
Design flow,	$Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km ²	SDM 7.5.2 (a)
	$= 0.278 \times 254 \times 807.5 / 1000000 + 0.031$ $= 0.088 \text{ m}^3/\text{s}$	
Allowable flow,	$Q_{a} = a x y$	
	$a_a = 0.212 \times 1.13$	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwate	er Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich F	l Planners & ors Ltd.
August 2024	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610 RP(part) in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P230)	je 1

1 For Catchment Area B and C		Ref.
	2	NGI.
Area Average slope	$ \begin{array}{rcl} A & = & & 929 \text{ m}^2 \\ H & = & & 0.1 \text{ m per 100m} \\ L & = & & 21 \text{ m} \end{array} $	
Distance on the line of natural flow	L = 21 m	
Time of concentraction	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (21) / (0.1^{0.2*929^{0.1}})$ = 2.4 min	SDM 7.5.2 (d)
2 For Proposed U-Channel in c		
Ground level (mPD)	From To 17.50 17.50	
Invert level (mPD)	17.20 16.76	
Width of u-channel	w = 300 mm	
Length of u-channel	$L_{c} = 88.2 \text{ m}$	
Depth of vertical part of u-channel	d = 591 mm	
Gradient of u-channel	$S_f = .2-16.759)/88.2 = 0.005$	
Cross-Section Area	a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 150^2 + 300 \times 591$	
	= 0.213 m ²	
Wetted Perimeter	$p = \pi r + 2 d = 3.14 \times 150 + 2 \times 591$	
	= 1.653 m	
Hydralic radius	R = a/p = 0.129 m	SDM 8.2.1
3 Use Manning Equation for est		
Take	n = 0.016 for concrete lined channels:-	SDM Table 13
Allowable velocity	$v = R^{1/6} x (RS_f)^{1/2} / n = (0.129)^{1/6} x (0.129 \times 0.005)^{1/2} / 0.016$	SDM Table 12
Time of flow	= 1.13 m/s t _f = 1.3 min	
4 Use "Rational Method" for cal		
Design intensity	i = a / (t _o + t _f +b) ^c = 505.5 / (2.4+1.3+3.29)^0.35 for return period T = 50 years	SDM 4.3.2
	= 253	SDM Table 3(a)
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil)	0.25 0.0 0.0	SDIVI 7.5.2 (D)
Concrete Paving	0.95 929.0 882.6	
	SUM = 882.6	
Upstream flow	$Q_u = 0 m^3/s$	
Design flow,	$Q_d = 0.278i \Sigma C_j A_j + Q_u$ where A_j is in km ²	SDM 7.5.2 (a)
	$= 0.278 \times 253 \times 882.55 / 1000000 + 0$ = 0.062 m ³ /s	
Allowable flow,		
	$= 0.213 \times 1.13$	
	= 0.239 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwa	er Drainage Manual (SDM) by DSD	
Scale: NA	Drainage Calculation Goldrich Pl	anners &
South Fire	Surveyo	rs Ltd.
August 2024	Lots 543(part), 544(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610 RP(part)	2
August 2024	in D.D.218 and adjoining government land, Ma Kwu Lam, Sai Kung North, N.T (P2305	

1 For Catchment Area D		Ref.		
Area, Average slope, Distance on the line of natural flow,	A = 2161 m^2 H = 2.08 m per 100m L = 24 m			
Time of concentraction,	$t_o = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (24) / (2.08^{0.2*2161^{0.1}})$ = 1.4 min	SDM 7.5.2 (d)		
2 For Proposed U-Channel in ca	2 For Proposed U-Channel in catchment area D			
Ground level (mPD) Invert level (mPD)	From To 17.50 15.50 16.76 15.10			
Width of u-channel, Length of u-channel,				
Depth of vertical part of u-channel,				
Cross-Section Area,	a = $0.5 \pi r^2 + w d$ = $0.5 \times 3.14 \times 200^2 + 400 \times 200$ = $0.143 m^2$			
Wetted Perimeter,	$p = \pi r + 2 d = 3.14 \times 200 + 2 \times 200$ = 1028 m			
Hydralic radius,	R = a/p = 0.139 m	SDM 8.2.1		
3 Use Manning Equation for esti	mating velocity of stormwater			
	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n$ = (0.139)^1/6 x (0.139 x 0.014)^1/2 / 0.016 = 2.00 m/s	SDM Table 13 SDM Table 12		
Time of flow,				
4 Use "Rational Method" for calc				
Design intensity,	i = $a / (t_o + t_f + b)^c$ = 505.5 / (1.4+1+3.29)^0.355 for return period T = 50 years = 273	SDM 4.3.2 SDM Table 3(a)		
<u>Type of surface</u> Flat Glassland(heavy soil) Concrete Paving	Runoff Coefficient CCatchment Area A (m^2) C x A0.252043.0510.80.95118.0112.1SUM = 622.9	SDM 7.5.2 (b)		
Upstream flow,	$Q_u = 0.15 \text{ m}^3/\text{s}$			
Design flow,	$Q_{d} = 0.278i \Sigma C_{j}A_{j} + Q_{u} \qquad \text{where } A_{j} \text{ is in } \text{km}^{2}$ = 0.278 x 273 x 622.85 / 1000000 + 0.15 = 0.197 m ³ /s	SDM 7.5.2 (a)		
Allowable flow,				
	= 0.286 m ³ /s			
	> Q _d (O.K.)			
Reference was made to Stormwater Drainage Manual (SDM) by DSD				
Scale: NA		Planners & ors Ltd.		
August 2024	(i (part), 555, 665 57 Kr, 665 (part), 666 Kr, 667 (part), 666 (part), 667 Kr and 616	ge 3)55A)		

1 For Channel Section S1		Ref.
Area,	$A = 0 m^2$	
Average slope, Distance on the line of natural flow,	$ \begin{array}{rcl} A &= & 0 \ m^2 \\ H &= & 0.1 \ m \ per \ 100m \\ L &= & 0 \ m \end{array} $	
Time of concentraction,	$t_{o} = 0.14465L / (H^{0.2}A^{0.1}) = 0.14465 (0) / (0.1^{0.2}*0^{0.1})$ = 0.0 min	SDM 7.5.2 (d)
2 For Proposed U-Channel Secti	on S1	
	From To	
	15.50 15.50 15.10 15.09	
Width of u-channel,	w = 400 mm	
Length of u-channel,		
Depth of vertical part of u-channel,		
	$S_f = 15.1 - 15.093)/0.5 = 0.014$	
Cross-Section Area,	a = $0.5 \pi r^2 + w d = 0.5 \times 3.14 \times 200^2 + 400 \times 207$ = $0.146 m^2$	
Wetted Perimeter,		
	= 1.042 m	
Hydralic radius,	R = a/p = 0.140 m	SDM 8.2.1
3 Use Manning Equation for estir		
Take Allowable velocity,	n = 0.016 for concrete lined channels:- v = $R^{1/6}x (RS_f)^{1/2}/n = (0.14)^{1/6} x (0.14 \times 0.014)^{1/2} / 0.016$ = 1.99 m/s	SDM Table 13 SDM Table 12
Time of flow,		
4 Use "Rational Method" for calc	ulation of design flow	
Design intensity,	i = $a / (t_o + t_f + b)^c$ = 505.5 / (0+0+3.29)^0.355 for return period T = 50 years = 331	SDM 4.3.2 SDM Table 3(a
Type of surface	Runoff Coefficient C Catchment Area A (m ²) C x A	SDM 7.5.2 (b)
Flat Glassland(heavy soil) Concrete Paving	0.25 0.0 0.0 0.95 0.0 0.0	
	SUM = 0.0	
Upstream flow,	$Q_u = 0.197 \text{ m}^3/\text{s}$	
Design flow,	$Q_{d} = 0.278i \Sigma C_{j}A_{j} + Q_{u} \text{where } A_{j} \text{ is in } \text{km}^{2}$ = 0.278 x 331 x 0 / 1000000 + 0.197 = 0.197 m ³ /s	SDM 7.5.2 (a)
Allowable flow,		
Allowable How,	$= 0.146 \times 1.99$	
	= 0.290 m ³ /s	
	> Q _d (O.K.)	
Reference was made to Stormwate	r Drainage Manual (SDM) by DSD	
Scale: NA		Planners & ors Ltd.
August 2024	Lots 543(part), 544(part), 546(part), 547(part), 548(part), 549,550(part), 551(part), 552 RP(part), 553, 603 SA RP, 605(part), 606 RP, 607(part), 608(part), 609 RP and 610	ge 4 (55A)

Detailed Comments from Relevant Government Departments

1. Environment

Comments of the Director of Environmental Protection (DEP):

- (a) the applicant is advised to follow the latest "Code of Practice on Handling the Environmental Aspects of Temporary Uses and open Storage Sites" issued by the Environmental Protection Department; and
- (b) no environmental complaint to the Site has been received in the last three years.

2. Drainage

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

- (a) her office has no comments on the application; and
- (b) no existing / planned DSD's stormwater and sewerage facilities would be affected by the proposed development at the moment.
- (c) her office has accepted the drainage proposal submitted by the applicant; and
- (d) her advisory comments are set out at Appendix III.

3. <u>Fire Safety</u>

Comments of the Director of Fire Services (D of FS):

- (a) no in-principle objection to the application subject to fire service installations (FSIs) and water supplies for firefighting being provided to his satisfaction; and
- (b) in consideration of the design/nature of the proposal, FSIs are anticipated to be required. Therefore, the applicant is advised to submit relevant layout plans incorporated with the proposed FSIs to his office for approval.

4. **Building Matters**

Comments of the Chief Building Surveyor/New Territories West, Buildings Department (CBS/NTW, BD):

- (a) no objection to the application; and
- (b) it is noted that one structure proposed in the application, before any new building works (including containers / open sheds as temporary buildings, demolition and

land filling, etc.) are to be carried out on the Site, prior approval and consent of the Building Authority should be obtained, otherwise they are unauthorized building works (UBW) under the Buildings Ordinance (BO). An Authorized Person should be appointed as the coordinator for the proposed building works in accordance with the BO.

5. <u>Other Departments</u>

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

- (a) Commissioner of Police (C for P);
- (b) Chief Engineer/Construction, Water Supplies Department (CE/C, WSD);
- (c) Chief Highway Engineer/New Territories East, Highways Department (CHE/NTE, HyD);
- (d) Director of Agriculture, Fisheries and Conservation (DAFC);
- (e) Head of the Geotechnical Engineering Office, Civil Engineering and Development Department. (H(GEO),CEDD);
- (f) Project Manager/North, CEDD (PM/N, CEDD);
- (g) District Officer/Tai Po, Home Affairs Department (DO/TP/ HAD); and
- (h) Chief Town Planner/Urban Design and Landscape, Planning Department (CTP/PlanD).

Recommended Advisory Clauses

- (a) prior planning permission should have been obtained before commencing the applied use at the Site;
- (b) the applicant should follow up with the District Lands Officer/Tai Po, Lands Department (DLO/TP, LandsD) on their concerns as detailed under item (c);
- (c) to note the comment of the DLO/TP, LandsD that:
 - (i) the Site comprises 17 Old Schedule Agricultural Lots all in D.D. 218 with different ownership and adjoining Government land (GL). The lots are held under the Block Government Lease which contain the restriction that no structures are allowed to be erected without the prior approval of the Government;
 - (ii) the GL within the Site (about 96m² as mentioned in the application form) has been paved without permission. Any occupation and/or site formation of GL without government's prior approval is an offence under Cap. 28. His office reserves the right to take necessary land control action against the illegal occupation and/or site formation of GL without further notice;
 - (iii) there is no guarantee to the grant of a right of way to the Site or approval of the EVA thereto;
 - (iv) the lot owners are required to cease the occupation of concerned GL and to submit application for Short Term Waiver (STW) to LandsD if they wish to erect structures on the Site. LandsD will consider the STW applications in accordance with the established procedures and guidelines. However, there is no guarantee at this stage that the STW applications would be approved. If the STW applications are approved by LandsD acting in the capacity as landlord at its sole discretion, such approval will be subject to such terms and conditions as may be imposed by LandsD including the payment of rental, waiver fee and administrative fee as considered appropriate; and
 - (v) the applicant will likely make use of the adjoining unleased / unallocated Government land as vehicles access to and from the Site. The maintenance and management responsibility of the said Government land and any other Government land leading to the Site should be sorted out with the relevant Government departments, prior to the use of access purpose. Moreover, access to the Site may also fall on adjoining private lots all in D.D. 218. The applicant should sort out the relevant issues with the lots owners concerned;
 - (d) to note the comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD) that :
 - (i) the applicant/lot owner shall maintain the drainage facilities in good condition without causing adverse drainage impact to the adjacent area at all time. In addition, the applicant/lot owner should rectify the system is found to be inadequate or ineffective during operation. The applicant/lot owner shall also be liable for and shall indemnify claims and demands arising out of damage or

nuisance caused by failure of the system;

- (ii) the applicant/lot owner shall resolve any conflict/disagreement with relevant lot owner(s) and seek LandsD's permission for laying new drains/channels and /or modifying/upgrading existing ones in other private lots or on Government land (where required) outside the Site;
- (iii) all proposed drainage connection works should be carried out by the applicant/lot owner at their own cost to the satisfaction of her office;
- (iv) all site formation works should not obstruct any overland flow. All the existing flow paths as well as the runoff falling onto and passing through the Site should be intercepted and disposed of via proper discharge points. Please ensure the proposed works would not cause any adverse drainage impacts to the surrounding areas;
- (v) the applicant/lot owner should take all precautionary measures to prevent any disturbance, damage and pollution from the development to any parts of the existing drainage facilities in the vicinity of the lot. In the event of any damage to the existing drainage facilities, the applicant/lot owner would be held responsible for the cost of all necessary repair works, compensation and any other consequences arising therefrom;
- (vi) extreme care should be exercised when working in the vicinity of any existing drainage facilities in order not to disturb, interfere with or cause damage to them. Any damage to the existing drainage facilities due to the proposed works shall be made good at the developer's expense to the satisfaction of DSD;
- (vii) the limited desk-top checking by Government on the drainage proposal covers only the fundamental aspects of the drainage design which will by no means relieve his obligations to ensure that (i) the proposed drainage works will not cause any adverse drainage or environmental impacts in the vicinity; and (ii) the proposed drainage works and the downstream drainage systems have the adequate capacity and are in good conditions to receive the flows collected from his lot and all upstream catchments.
- (e) to note the comments of the Commissioner for Transport (C for T) that the applicant shall make their own arrangement with the concerned landowners for using the road, and the land status, management, maintenance responsibilities of it should be clarified with the relevant lands and maintenance authorities accordingly in order to avoid potential land disputes;
- (f) to note the comments of the Director of Environmental Protection (DEP) that the applicants should follow the latest "Code of Practice on Handling the Environmental Aspects of Temporary Uses and Open Storage Sites" issued by the Environmental Protection Department;
- (g) to note the comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD) that the applicant shall resolve any conflict/disagreement with relevant lot owners and seek LandsD's permission for laying new drains/channels and/or modifying/upgrading existing ones on other private lots or on GL (where required) outside the Site; and
- (h) to note the comments of the Director of Fire Services (D of FS) that in consideration of the design/nature of the proposal, fire service installations (FSIs) are required. The applicant is advised to submit relevant layout plans incorporated with the proposed FSIs to FSD for approval. In addition, the applicant should also be advised on the following points:

- the layout plans should be drawn to scale and depicted with dimensions and nature of occupancy;
- the location of where the proposed FSI to be installed should be clearly marked on the layout plans; and
- if there is electric vehicle charging station involved, the requirement of Fireman's Emergency Switch is at **Appendix IIIa** for reference.
- (i) to note the comments of the Chief Building Surveyor/ New Territories West (CBS/NTW) that:
 - (i) the Site shall be provided with means of obtaining access thereto from a street and emergency vehicular access in accordance with Regulation 5 and 41D of the Building (Planning) Regulations [B(P)R] respectively;
 - (ii) the Site does not abut on a specified street of not less than 4.5m wide and its permitted development intensity shall be determined under Regulation 19(3) of the B(P)R at building plan submission stage;
 - (iii) for UBW erected on leased land, enforcement action may be taken by the Building Department to effect their removal in accordance with the prevailing enforcement policy against UBW as and when necessary. The granting of any planning approval should not be constructed as an acceptance of any existing building works or UBW on the application under the BO;
 - (iv) any temporary shelters or converted containers for office, storage, washroom or other uses are considered as temporary buildings are subject to the control of Part VII of the B(P)R; and
 - (v) detailed checking under the BO will be carried out at building plan submission stage.

Requirements for the Fireman's Emergency Switch

- 1. A fireman's emergency switch conforming EMSD's Code of Practice shall be provided to cut off the power supply of **all** EV charging facilities within the car parking facilities.
- 2. The switch shall be situated in a conspicuous position, yet out of reach of the public in general. Thus, switch(es) provided at vehicle entrance(s) shall be positioned no more than 3m but not less than 2.5 from ground level. Where more than one fireman's emergency switch is installed on any one building, such switches shall be clearly marked to distinguish one from another.
- 3. In case the switch is installed at a location other than the vehicle entrance, notice plate(s) shall be provided at conspicuous location(s) of vehicle entrance(s) acceptable to the Director of Fire Services to indicate the location of fireman's emergency switch.
- 4. The 'ON' and 'OFF' position of the fireman's emergency switch shall be conventional (i.e. push upward 'OFF'; push downward 'ON') and clearly indicated by lettering legible to a person standing on the ground at the intended site.
- 5. The switch is to be affixed on a board approximately 300 mm long by 250 mm wide, which is painted white and edged with a 50 mm red border. The inscription 'EV CHARGING FACILITIES FIREMAN'S SWITCH' in English is to be painted on the top and '電動車充電設施 消防員開關掣' in Chinese at the bottom of the board in black. The switch is to be positioned in the middle of the board.

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

From:	
Sent:	2024-05-13 星期一 02:59:53
То:	tpbpd/PLAND <tpbpd@pland.gov.hk></tpbpd@pland.gov.hk>
Cc:	FS Office/FSPO <fso@fso.gov.hk></fso@fso.gov.hk>
Subject:	Re: A/NE-SSH/155 / 156 DD 218 Ma Kwu Lam Village

Dear TPB Members,

Farmer

Members should question these applications as only Public Vehicle Park is listed under Col 2 use for "V' zoning.

What is the business model? Is the parking free of charge? If not, what are the regulations with regard to annual declaration of income, etc.

Clarification required.

Mary Mulvihill

From:

To: tpbpd <<u>tpbpd@pland.gov.hk</u>> Cc: fso <<u>fso@fso.gov.hk</u>> Date: Monday, 25 March 2024 2:57 AM HKT Subject: Re: A/NE-SSH/155 / 156 DD 218 Ma Kwu Lam Village

From:

To: tpbpd <<u>tpbpd@pland.gov.hk</u>> Cc: fso <<u>fso@fso.gov.hk</u>> Date: Monday, 25 March 2024 2:47 AM HKT Subject: A/NE-SSH/155 / 156 DD 218 Ma Kwu Lam Village

A/NE-SSH/156

Lots 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550(Part), 551(Part), 552RP(Part), 553, 603s.ARP, 605(Part), 606RP, 607(Part), 608(Part), 609RP and 610RP(Part) in D.D. 218, and adjoining Government Land, Ma Kwu Lam Village, Shap Sz Heung, Sai Kung North

Site area: About 1,779sq.m Includes Government Land of about 96sq.m

Zoning: "VTD"

Applied use: 83 Vehicle Parking

A/NE-SSH/155

Lots 537(Part), 538(Part), 540s.A(Part) and 541s.A(Part) in D.D. 218, Ma Kwu Lam Village, Shap Sz Heung, Sai Kung North

Site area: About 219sq.m

Zoning: "VTD"

Applied use: 8 Vehicle Parking

Dear TPB Members,

The applications will be considered together as they are in close proximity. No history of previous approvals despite the presence of existing parking.

Strong objections to the incorporation of the currently wooded area into parking. No mention of how many trees to be felled.

Also the applications do not cover the full extent of parking in the village, as can be seen in the Google image there is already considerable parking along Sai Sha Road. Why would a village require so much parking>

Members should consider the full of extent of the parking lot that does not appear to be reflected in the application.

Hopefully FS is taking an interest in these operations and what system is in place to ensure that the revenue is accountable for tax purposes.

Mary Mulvihill

Urgent 🗌 Return Receipt Requested 🔄 Sign 🗋 Encrypt 🗋 Mark Subject Restricted 🗍 Expand personal&publi



A/NE-SSH/155 / 156 DD 218 Ma Kwu Lam Village 25/03/2024 02:47

From: To: Cc: Sent by: File Ref:

"tpbpd" <tpbpd@pland.gov.hk> "fso" <fso@fso.gov.hk> tpbpd@pland.gov.hk

A/NE-SSH/156

Lots 543(Part), 544(Part), 546(Part), 547(Part), 548(Part), 549, 550(Part), 551(Part), 552RP(Part), 553, 603s.ARP, 605(Part), 606RP, 607(Part), 608(Part), 609RP and 610RP(Part) in D.D. 218, and adjoining Government Land, Ma Kwu Lam Village, Shap Sz Heung, Sai Kung North

Site area: About 1,779sq.m Includes Government Land of about 96sq.m

Zoning: "VTD"

Applied use: 83 Vehicle Parking

A/NE-SSH/155

Lots 537(Part), 538(Part), 540s.A(Part) and 541s.A(Part) in D.D. 218, Ma Kwu Lam Village, Shap Sz Heung, Sai Kung North

Site area: About 219sq.m

Zoning: "VTD"

Applied use: 8 Vehicle Parking

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Mary Mulvihill