

寄件者: [REDACTED]
寄件日期: 2025年10月08日星期三 10:29
收件者: tpbpd/PLAND
副本: David Chi Chiu CHENG/PLAND; Gary Kwun Wing CHAN/PLAND
主旨: Planning Application No. A/YL-SK/430 - Submission of Further Information
[Superseding]
附件: A_YL-SK_430_FI_Appendices.pdf; A_YL-SK_430_FI_Appendix IV_Drainage
Proposal.pdf

類別: Internet Email

Your Ref.: TPB/A/YL-SK/430

Dear Sir/Madam,

**Application for Permission under Section 16 of the Town Planning Ordinance (Cap.131)
Proposed Temporary Public Vehicle Park (excluding container vehicle) and Associated Filling of Land for
a Period of 3 Years at
Lots 1054 S.B and 1056 S.B (Part) in D.D. 106, Shek Kong,
Yuen Long, New Territories
(Planning Application No. A/YL-SK/430)**

Submission of Further Information

[This email supersedes the previous email sent at 9:59 on 8.10.2025]

Reference is made to the captioned planning application and the departmental comments received via emails from the Planning Department on 30.7.2025, 21.8.2025 and 22.8.2025.

In response to the concerned departmental comments, we are pleased to submit further information including the following documents for your consideration:

- Appendix I** - Responses-to-Comments Table
- Appendix II** - Replacement Pages of Application Form
- Appendix III** - Revised Plans
- Appendix IV** - Drainage Proposal

In view of the comments from the Agriculture, Fisheries and Conservation Department and the Drainage Services Department, the application site boundary has been revised to exclude the Government Land portion in the south to maintain a minimum setback of 5m from the watercourse. As a result, the updated site area should be about 3,221m², which is reduced by 328m² (-9.2%). Please refer to **Appendices II and III** for the updated development parameters.

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

Moreover, it is clarified that about 82m² of land at the north of the site has been filled with concrete of 0.2m in depth. As such, the applicant also applies for regularisation of the hard-paved area. Please refer to the revised Filling of Land Plan in **Appendix III** for details.

Should you have any queries, please contact [REDACTED]. Thank you.

Yours faithfully,
Charlie TSUI
Town Planner

Extensive Novel Limited
[REDACTED]
[REDACTED]

Appendix I

Responses-to-Comments Table

Proposed Temporary Public Vehicle Park (excluding container vehicle) and Associated Filling of Land for a Period of 3 Years
Planning Application No. A/YL-SK/430

Further Information

Appendix I - Response-to-Comments Table

No.	Comments	Responses
1	Transport Department (Contact Person: Mr. Louis HON), received on 30.7.2025 (a) Since only PC and LGV parking spaces would be provided in the site, please confirm that vehicle types other than PC and LGV would not be allowed to park in the application site.	The applicant confirms that vehicle types other than private car and light goods vehicle would not be allowed to park in the application site.
2	Agriculture, Fisheries and Conservation Department (Contact Person: Ms. WONG Cheuk-ling), received on 21.8.2025 (a) There is a watercourse located to the south of the subject site. The applicant shall clarify whether any measure will be implemented to avoid disturbance to the watercourse nearby during land filling and operation.	The application site boundary has been revised to reserve about 5m setback from the concerned watercourse. Please refer to the revised plans at Appendix III. Stone/concrete barriers will be placed along the southern boundary before construction to avoid waste water flowing to the watercourse. There will be metal fence erected on the aforementioned barriers along the boundary of the site so that no spilling out and further impact on the surroundings will occur. According to the submitted drainage proposal (Appendix IV), the applicant shall construct a peripheral drainage system at the site to

		collect rainwater and separate debris before discharging to the nullah to the north of the site. As such, no sewage is expected to affect the watercourse to the south during operation of the proposed development.
3	Drainage Services Department (Contact Person: Mr. Kenneth CHAN), received on 22.8.2025 (a) There are existing streamcourse/channel on government land in the adjacent of application site. Drainage reserve is required for operation and maintenance of the streamcourse/channel. Therefore, I would recommend the application site to exclude the Government Land from the captioned S.16 application. (b) In addition, the applicant shall be required to place all proposed works 3m away from the top of the bank of the impacts, both during and after construction. (c) We are unable to provide comment on the drainage aspect of the application at this stage. Comment on drainage aspect will be provided when the drainage proposal is received.	The application boundary has been revised to exclude the Government Land and to maintain about 5m setback from the watercourse. Please refer to Appendix III for the revised plans. The revised site boundary has taken the 3m distance from the top of the back of the impacts into consideration. The applicant will place all proposed works during and after construction beyond the said distance. A drainage proposal (Appendix IV) has been prepared to demonstrate that with the implementation of the proposed drainage facilities, no significant drainage impact from the proposed development is anticipated.

Appendix II

Replacement Pages of Application Form

For Official Use Only 請勿填寫此欄	Application No. 申請編號	
	Date Received 收到日期	

- The completed form and supporting documents (if any) should be sent to the Secretary, Town Planning Board (the Board), 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong.
申請人須把填妥的申請表格及其他支持申請的文件 (倘有), 送交香港北角渣華道 333 號北角政府合署 15 樓城市規劃委員會(下稱「委員會」)秘書收。
- Please read the "Guidance Notes" carefully before you fill in this form. The document can be downloaded from the Board's website at <http://www.tpb.gov.hk/>. It can also be obtained from the Secretariat of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong (Tel: 2231 4810 or 2231 4835), and the Planning Enquiry Counters of the Planning Department (Hotline: 2231 5000) (17/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong and 14/F, Sha Tin Government Offices, 1 Sheung Wo Che Road, Sha Tin, New Territories).
請先細閱《申請須知》的資料單張, 然後填寫此表格。該份文件可從委員會的網頁下載 (網址: <http://www.tpb.gov.hk/>), 亦可向委員會秘書處 (香港北角渣華道 333 號北角政府合署 15 樓 - 電話: 2231 4810 或 2231 4835) 及規劃署的規劃資料查詢處(熱線: 2231 5000) (香港北角渣華道 333 號北角政府合署 17 樓及新界沙田上禾輦路 1 號沙田政府合署 14 樓)索取。
- This form can be downloaded from the Board's website, and obtained from the Secretariat of the Board and the Planning Enquiry Counters of the Planning Department. The form should be typed or completed in block letters. The processing of the application may be refused if the required information or the required copies are incomplete.
此表格可從委員會的網頁下載, 亦可向委員會秘書處及規劃署的規劃資料查詢處索取。申請人須以打印方式或以正楷填寫表格。如果申請人所提交的資料或文件副本不齊全, 委員會可拒絕處理有關申請。

1. Name of Applicant 申請人姓名/名稱

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

李菊 Li Ju

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)

Extensive Novel Limited

3. Application Site 申請地點

(a) Full address / location / demarcation district and lot number (if applicable) 詳細地址/地點/丈量約份及地段號碼 (如適用)	Lots 1054 S.B and 1056 S.B (Part) in D.D.106, Shek Kong, Yuen Long, 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 3,221 sq.m 平方米 ☒ About 約 ☒ Gross floor area 總樓面面積 60 sq.m 平方米 ☒ About 約
(c) Area of Government land included (if any) 所包括的政府土地面積 (倘有)	 sq.m 平方米 ☐ About 約

6. Type(s) of Application 申請類別																									
(A) Temporary Use/Development of Land and/or Building Not Exceeding 3 Years in Rural Areas or Regulated Areas 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)																									
(a) Proposed use(s)/development 擬議用途/發展	Proposed Temporary Public Vehicle Park (excluding container vehicle) and Associated Filling of Land for a Period of 3 Years (Please illustrate the details of the proposal on a layout plan) (請用平面圖說明擬議詳情)																								
(b) Effective period of permission applied for 申請的許可有效期	☒ year(s) 年 3 ☐ month(s) 個月																								
(c) Development Schedule 發展細節表 <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Proposed uncovered land area 擬議露天土地面積</td> <td style="width: 10%; text-align: right;">3,161</td> <td style="width: 10%;">sq.m</td> <td style="width: 10%; text-align: center;">☒ About 約</td> </tr> <tr> <td>Proposed covered land area 擬議有上蓋土地面積</td> <td style="text-align: right;">60</td> <td>sq.m</td> <td style="text-align: center;">☒ About 約</td> </tr> <tr> <td>Proposed number of buildings/structures 擬議建築物／構築物數目</td> <td style="text-align: right;">2</td> <td></td> <td></td> </tr> <tr> <td>Proposed domestic floor area 擬議住用樓面面積</td> <td></td> <td>sq.m</td> <td style="text-align: center;">☐ About 約</td> </tr> <tr> <td>Proposed non-domestic floor area 擬議非住用樓面面積</td> <td style="text-align: right;">60</td> <td>sq.m</td> <td style="text-align: center;">☒ About 約</td> </tr> <tr> <td>Proposed gross floor area 擬議總樓面面積</td> <td style="text-align: right;">60</td> <td>sq.m</td> <td style="text-align: center;">☒ About 約</td> </tr> </table>		Proposed uncovered land area 擬議露天土地面積	3,161	sq.m	☒ About 約	Proposed covered land area 擬議有上蓋土地面積	60	sq.m	☒ About 約	Proposed number of buildings/structures 擬議建築物／構築物數目	2			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	60	sq.m	☒ About 約	Proposed gross floor area 擬議總樓面面積	60	sq.m	☒ About 約
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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)																									
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>STRUCTURE</th> <th>USE</th> <th>COVERED AREA</th> <th>GFA</th> <th>BUILDING HEIGHT</th> <th></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>SHROFF AND ANCILLARY OFFICE</td> <td>40 m² (ABOUT)</td> <td>40 m² (ABOUT)</td> <td>4 m (NOT MORE THAN) (1-STORY)</td> <td></td> </tr> <tr> <td>B</td> <td>STORE ROOM</td> <td>20 m² (ABOUT)</td> <td>20 m² (ABOUT)</td> <td>4 m (NOT MORE THAN) (1-STORY)</td> <td></td> </tr> <tr> <td colspan="2">TOTAL</td> <td>60 m² (ABOUT)</td> <td>60 m² (ABOUT)</td> <td></td> <td></td> </tr> </tbody> </table>		STRUCTURE	USE	COVERED AREA	GFA	BUILDING HEIGHT		A	SHROFF AND ANCILLARY OFFICE	40 m ² (ABOUT)	40 m ² (ABOUT)	4 m (NOT MORE THAN) (1-STORY)		B	STORE ROOM	20 m ² (ABOUT)	20 m ² (ABOUT)	4 m (NOT MORE THAN) (1-STORY)		TOTAL		60 m ² (ABOUT)	60 m ² (ABOUT)		
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Proposed number of car parking spaces by types 不同種類停車位的擬議數目																									
Private Car Parking Spaces 私家車車位	45																								
Motorcycle Parking Spaces 電單車車位																									
Light Goods Vehicle Parking Spaces 輕型貨車泊車位	15																								
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Others (Please Specify) 其他 (請列明)																									
Proposed number of loading/unloading 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 輕型貨車車位																									
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Proposed operating hours 擬議營運時間 24 hours from Mondays to Sundays (including public holidays)																																							
(d) Any vehicular access to the site/subject building? 是否有車路通往地盤／有關建築物？	Yes 是	☒ There is an existing access. (please indicate the street name, where appropriate) 有一條現有車路。(請註明車路名稱(如適用)) Local track leading from Kam Sheung Road ☐ There is a proposed access. (please illustrate on plan and specify the width) 有一條擬議車路。(請在圖則顯示，並註明車路的闊度) ☐																																					
	No 否																																						
(e) Impacts of Development Proposal 擬議發展計劃的影響 (If necessary, please use separate sheets to indicate the proposed measures to minimise possible adverse impacts or give justifications/reasons for not providing such measures. 如需要的話，請另頁註明可盡量減少可能出現不良影響的措施，否則請提供理據/理由。)																																							
(i) Does the development proposal involve alteration of existing building? 擬議發展計劃是否包括現有建築物的改動？	Yes 是	☐ Please provide details 請提供詳情 																																					
	No 否	☒																																					
(ii) 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 indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用地盤平面圖顯示有關土地／池塘界線，以及河道改道、填塘、填土及／或挖土的細節及／或範圍) ☐ Diversion of stream 河道改道 ☐ Filling of pond 填塘 Area of filling 填塘面積 sq.m 平方米 ☐ About 約 Depth of filling 填塘深度 m 米 ☐ About 約 ☒ Filling of land 填土 Area of filling 填土面積 3,193 sq.m 平方米 ☒ About 約 Depth of filling 填土厚度 Not more than 0.6 m 米 ☐ About 約 ☐ Excavation of land 挖土 Area of excavation 挖土面積..... sq.m 平方米 ☐ About 約 Depth of excavation 挖土深度m 米 ☐ About 約 																																					
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(iii) Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響？	<table border="0"> <tr> <td>On environment 對環境</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>On traffic 對交通</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>On water supply 對供水</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>On drainage 對排水</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>On slopes 對斜坡</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>Affected by slopes 受斜坡影響</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>Landscape Impact 構成景觀影響</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>Tree Felling 砍伐樹木</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>Visual Impact 構成視覺影響</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>Others (Please Specify) 其他 (請列明)</td> <td>Yes 會 ☐</td> <td>No 不會 ☒</td> </tr> <tr> <td>_____</td> <td></td> <td></td> </tr> <tr> <td>_____</td> <td></td> <td></td> </tr> </table>			On environment 對環境	Yes 會 ☐	No 不會 ☒	On traffic 對交通	Yes 會 ☐	No 不會 ☒	On water supply 對供水	Yes 會 ☐	No 不會 ☒	On drainage 對排水	Yes 會 ☐	No 不會 ☒	On slopes 對斜坡	Yes 會 ☐	No 不會 ☒	Affected by slopes 受斜坡影響	Yes 會 ☐	No 不會 ☒	Landscape Impact 構成景觀影響	Yes 會 ☐	No 不會 ☒	Tree Felling 砍伐樹木	Yes 會 ☐	No 不會 ☒	Visual Impact 構成視覺影響	Yes 會 ☐	No 不會 ☒	Others (Please Specify) 其他 (請列明)	Yes 會 ☐	No 不會 ☒	_____			_____		
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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下載及於規劃署規劃資料查詢處供一般參閱。)	
Application No. 申請編號	(For Official Use Only) (請勿填寫此欄)
Location/address 位置／地址	Lots 1054 S.B and 1056 S.B (Part) in D.D.106, Shek Kong, Yuen Long, New Territories
Site area 地盤面積	3,221 sq. m 平方米 ☒ About 約 (includes Government land of 包括政府土地 sq. m 平方米 ☐ About 約)
Plan 圖則	Approved Shek Kong Outline Zoning Plan No. S/YL-SK/9
Zoning 地帶	"Agriculture"
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 <u>3</u> ☐ 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 Public Vehicle Park (excluding container vehicle) and Associated Filling of Land for a Period of 3 Years

(i) Gross floor area and/or plot ratio 總樓面面積及／或地積比率		sq.m 平方米	Plot Ratio 地積比率
	Domestic 住用	☐ About 約 ☐ Not more than 不多於	☐ About 約 ☐ Not more than 不多於
	Non-domestic 非住用	60 ☒ About 約 ☐ Not more than 不多於	0.02 ☒ About 約 ☐ Not more than 不多於
(ii) No. of blocks 幢數	Domestic 住用		
	Non-domestic 非住用	2	
(iii) Building height/No. of storeys 建築物高度／層數	Domestic 住用	m 米 ☐ (Not more than 不多於)	
		Storeys(s) 層 ☐ (Not more than 不多於)	
	Non-domestic 非住用	4 m 米 ☒ (Not more than 不多於)	
		1 Storeys(s) 層 ☒ (Not more than 不多於)	
(iv) Site coverage 上蓋面積	1.9 % ☒ About 約		
(v) No. of parking spaces and loading / unloading spaces 停車位及上落客貨車位數目	Total no. of vehicle parking spaces 停車位總數		60
	Private Car Parking Spaces 私家車車位 Motorcycle Parking Spaces 電單車車位 Light Goods Vehicle Parking Spaces 輕型貨車泊車位 Medium Goods Vehicle Parking Spaces 中型貨車泊車位 Heavy Goods Vehicle Parking Spaces 重型貨車泊車位 Others (Please Specify) 其他 (請列明) _____ _____		45 15
	Total no. of vehicle loading/unloading bays/lay-bys 上落客貨車位／停車處總數		
	Taxi Spaces 的士車位 Coach Spaces 旅遊巴車位 Light Goods Vehicle Spaces 輕型貨車車位 Medium Goods Vehicle Spaces 中型貨車車位 Heavy Goods Vehicle Spaces 重型貨車車位 Others (Please Specify) 其他 (請列明) _____ _____		

Appendix III

Revised Plans

DEVELOPMENT PARAMETERS

APPLICATION SITE AREA	:	3,221 m ²	(ABOUT)
COVERED AREA	:	60 m ²	(ABOUT)
UNCOVERED AREA	:	3,161 m ²	(ABOUT)

PLOT RATIO	: 0.02	(ABOUT)
SITE COVERAGE	: 1.9%	(ABOUT)

NO. OF STRUCTURE	: 2
DOMESTIC GFA	: NOT APPLICABLE
NON-DOMESTIC GFA	: 60 m ² (ABOUT)
TOTAL GFA	: 60 m ² (ABOUT)

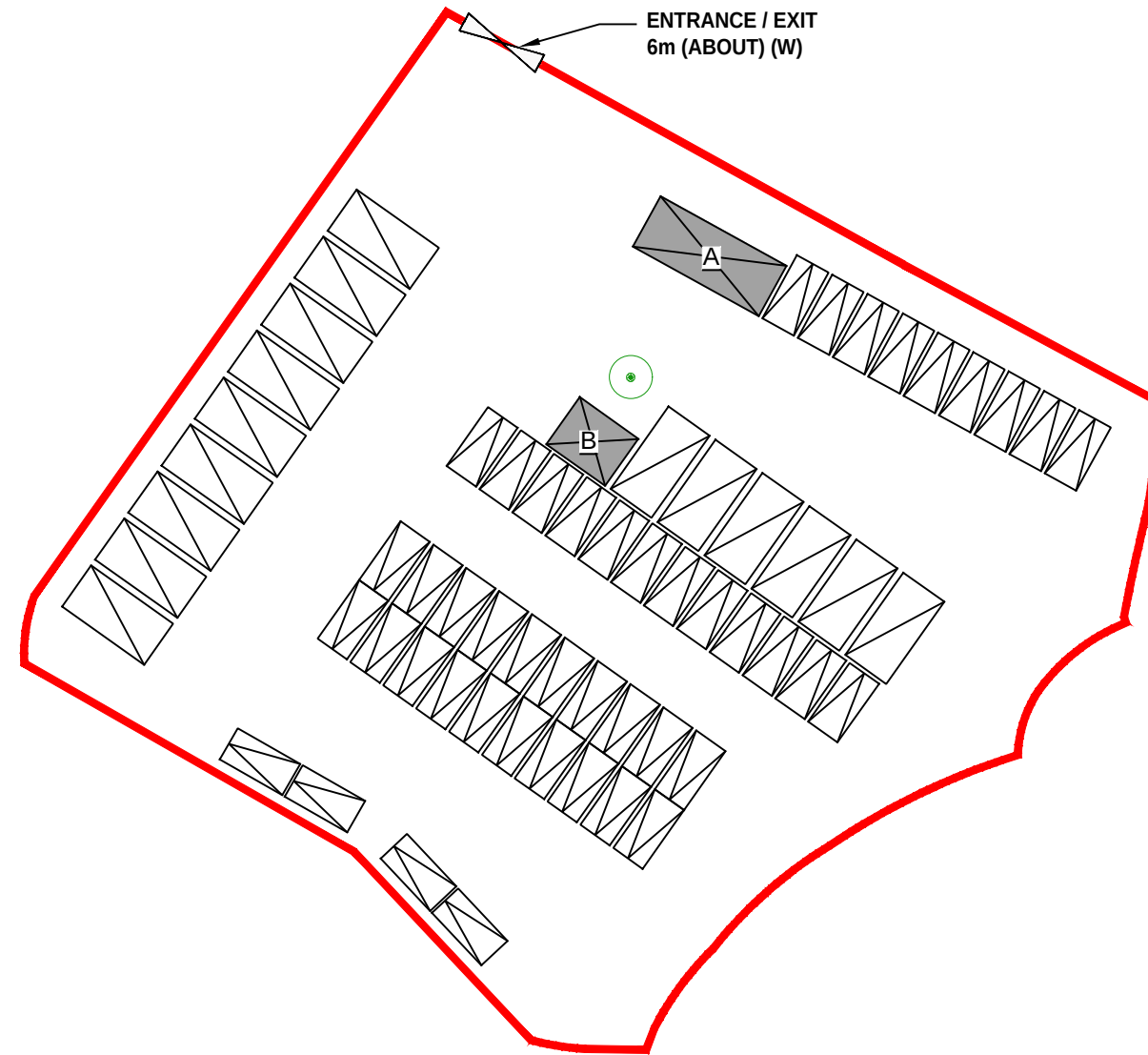
BUILDING HEIGHT : 4 m (NOT MORE THAN 4 m)
NO. OF STOREY : 1 (NOT MORE THAN 1)

STRUCTURE	USE	COVERED AREA	GFA	BUILDING HEIGHT
A	SHROFF AND ANCILLARY OFFICE	40 m ² (ABOUT)	40 m ² (ABOUT)	4 m (NOT MORE THAN) (1-STOREY)
B	STORE ROOM	20 m ² (ABOUT)	20 m ² (ABOUT)	4 m (NOT MORE THAN) (1-STOREY)
TOTAL		60 m ² (ABOUT)	60 m ² (ABOUT)	

PARKING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE : 45
DIMENSIONS OF PARKING SPACE : 5 m (L) X 2.5 m (W)

NO. OF LIGHT GOODS VEHICLES PARKING SPACE : 15
DIMENSIONS OF PARKING SPACE : 7 m (L) X 3.5 m (W)



- ALL DIMENSIONS ARE IN MILLIMETER EXCEPT OTHERWISE NOTED
- DO NOT SCALE DRAWING

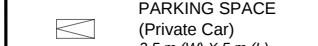
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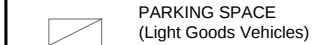
APPLICATION SITE



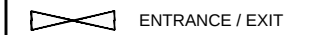
STRUCTURE



PARKING SPACE
(Private Car)
2.5 m (W) X 5 m (L)



PARKING SPACE
(Light Goods Vehicles)
3.5 m (W) X 7 m (L)



ENTRANCE / EXIT



EXISTING TREE

-	LAYOUT PLAN	19 JUN 2025

REVISION	DATE	BY
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	name	-
drawn	CY	DATE 19 JUN 2025
checked	-	DATE
approved	-	DATE

contract no. -		DATE OF ORDER
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project no.	DD106
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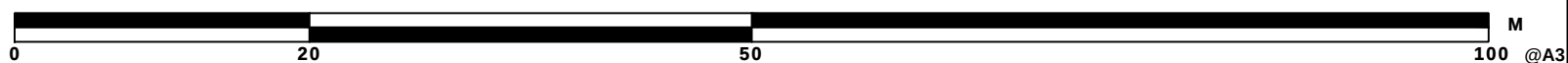
TITLE :
PROPOSED TEMPORARY PUBLIC VEHICLE PARKING
(EXCLUDING CONTAINER VEHICLE) AND
ASSOCIATED FILLING OF LAND FOR A PERIOD OF
YEARS

SITE LOCATION :
LOTS 1054 S.B AND 1056 S.B (PART) IN D.D. 106,
SHEK KONG, YUEN LONG, NEW TERRITORIES

drawing title.

LAYOUT PLAN

drawing no.	rev.	scale
PLAN 1	-	N.T.



LOCATION OF THE APPLICATION SITE

APPLICATION SITE AREA : 3,221 m² (ABOUT)

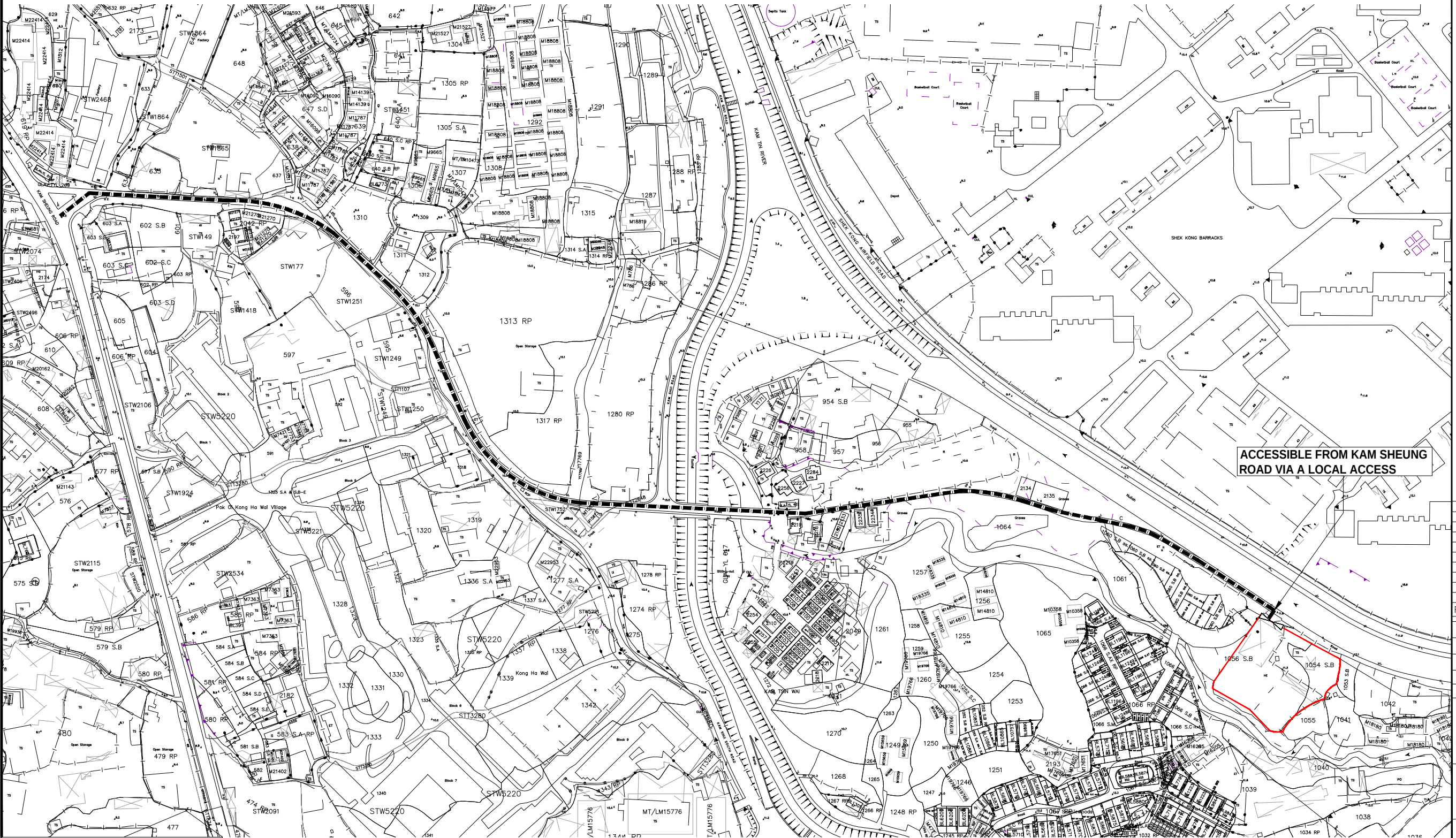
VEHICLE ACCESS
ACCESSIBLE FROM KAM SHEUNG ROAD VIA A LOCAL TRACK



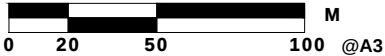
- ALL DIMENSIONS ARE IN MILLIMETER EXCEPT OTHERWISE NOTED
- DO NOT SCALE DRAWING

LEGEND

-  APPLICATION SITE
-  ACCESS ROUTE



ACCESSIBLE FROM KAM SHEUNG ROAD VIA A LOCAL ACCESS



- LAYOUT PLAN		19 JUN 2025
REVISION		
drawn	CY	DATE 19 JUN 2025
checked	-	DATE
approved	-	DATE
contract no. -		
project no. DD106		
TITLE :		
PROPOSED TEMPORARY PUBLIC VEHICLE PARK (EXCLUDING CONTAINER VEHICLE) AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS		
SITE LOCATION :		
LOTS 1054 S.B AND 1056 S.B (PART) IN D.D. 106, SHEK KONG, YUEN LONG, NEW TERRITORIES		
drawing title.		
LOCATION PLAN		
drawing no.		rev. scale
PLAN 2	-	N.T.S.

LAND STATUS

APPLICATION SITE AREA : 3,221 m² (ABOUT)

AREA OF PRIVATE LAND : 3,221 m² (ABOUT)



- ALL DIMENSIONS ARE IN MILLIMETER EXCEPT OTHERWISE NOTED
- DO NOT SCALE DRAWING

LEGEND



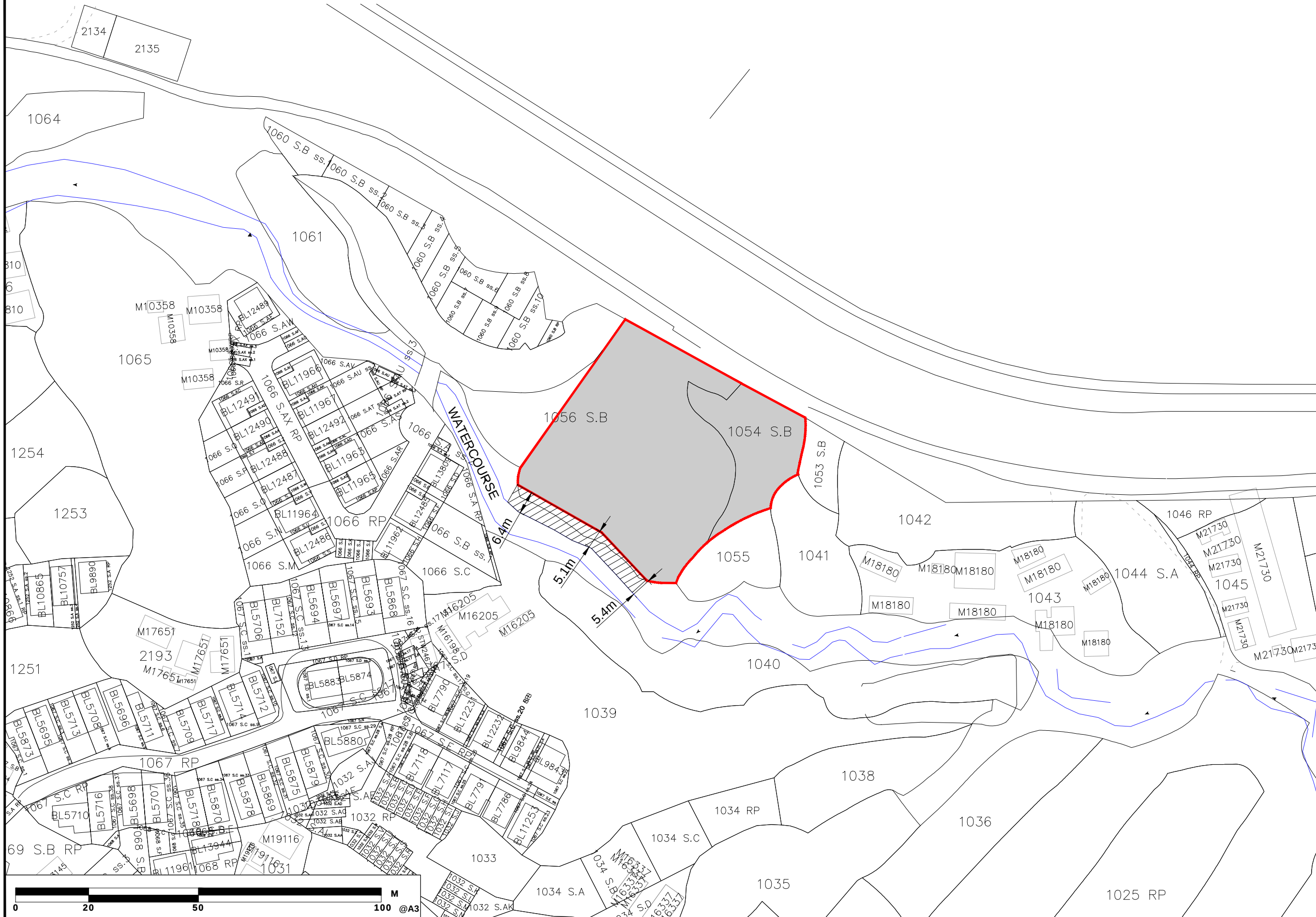
APPLICATION SITE



PRIVATE LAND



SETBACK FROM WATERCOURSE



-	LAYOUT PLAN	03 SEP 2025

REVISION		
	name	
drawn		- DATE
checked	-	- DATE
approved	-	- DATE

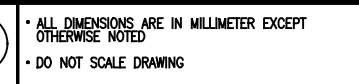
contract no. -
project no. DD106

TITLE :
PROPOSED TEMPORARY PUBLIC VEHICLE PARK
(EXCLUDING CONTAINER VEHICLE) AND
ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3
YEARS

SITE LOCATION :
LOTS 1054 S.B AND 1056 S.B (PART) IN D.D. 106,
SHEK KONG, YUEN LONG, NEW TERRITORIES

drawing title.
LAND STATUS PLAN

drawing no.	rev.	scale
PLAN 3	-	N.T.S.



	APPLICATION SITE
	FILLING OF LAND AREA
	HARD PAVING
+00.0	PROPOSED SITE LEVEL



SITE LEVELS ARE FOR INSICATIVE PURPOSE ONLY



APPLICATION SITE AREA	: 3,221 m ² (ABOUT)
FILLING OF LAND AREA	: 3,193 m ² (ABOUT) (including 82 m ² of existing hard ground for regularisation)
LAND FILLING DEPTH	: NOT MORE THAN 0.6 m (including 0.2m of concrete surface)
PROPOSED SITE LEVEL	: +11.9 mPD (ABOUT)
MATERIAL OF FILLING FOR SITE FORMATION	: SOIL & CONCRETE

-	LAYOUT PLAN	19 JUN 2025

DATE: 19 JUN 2023	
REVISION	
drawn	name DATE: 19 JUN 2023
checked	DATE
approved	DATE

approved	DATE
contract no. -	

project no. DD106

TITLE :
PROPOSED TEMPORARY PUBLIC VEHICLE PARK
(EXCLUDING CONTAINER VEHICLE) AND
ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3
YEARS

SITE LOCATION :
LOTS 1054 S.B AND 1056 S.B (PART) IN D.D. 106,
SHEK KONG, YUEN LONG, NEW TERRITORIES

drawing title.
FILLING OF LAND PLAN

drawing no.	rev.	scale
PLAN 4	-	N.T.S.

Appendix IV

Drainage Proposal

-TEMPORARY DRAINAGE PROPOSAL

APPLICATION SITE OF PROPOSED TEMPORARY
PUBLIC VEHICLE PARK AND ASSOCIATED
FILLING OF LANDS FOR A PERIOD OF 3 YEARS
AT LOTS 1054S.B (PART) IN D.D. 106 AND
ADJOINING GOVERNMENT LAND, SHEK KONG,
YUEN LONG, NEW TERRITORIES

Application No.: A/YL-SK/430

Project No.: ALPL/TDM/017

Revision No.: 0

17 Sep 2025

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2.2	Objectives of the Report	3
2.3	Report Structure	3
3	Development Proposal.....	3
3.1	Location of the Application Site	3
4	Assessment Criteria	3
4.1	Design Return Periods.....	3
4.2	Calculation Methodology for Runoff	5
4.3	Calculation Methodology for Pipe Capacity Checking	5
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2 Introduction

2.1 Background

This report presents the Drainage Proposal for supporting the Proposed temporary public vehicle park and associated filling of lands for a period of 3 years at Lots 1054 S.B(Part) in D.D. 106 and adjoining government land, Shek Kong, Yuen Long, New Territories.

2.2 Objectives of the Report

This report shall be prepared to include the following:

- Identify the potential drainage impact assessment from the proposed Application Site
- Recommend and implement all necessary measures to mitigate adverse drainage impacts arising from the application site

2.3 Report Structure

The report contains the following sections:

- Section 1 on Introduction;
- Section 2 on Development Proposal;
- Section 3 on Assessment Criteria;
- Section 4 on Potential Drainage Impact; and
- Section 5 on Conclusion.

3 Development Proposal

3.1 Location of the Application Site

The application Site is located within the Kam Sheung Road, with an area of around 3221m² and ground level varying between + 11.9mPD and + 11.7mPD. The layout plan is provided in **Appendix B**.

This application site is "Agriculture" zoning, the type of application is the Temporary Use/Development in Rural Areas for a Period of 3 Years.

There is a existing catchpit vicinity of the application site, the location and site photos of the existing catchpit are provided in **Appendix C**.

4 Assessment Criteria

4.1 Design Return Periods

The drainage system in the Application site is to collect surface flows and convey to the existing catchpit

TEMPORARY DRAINAGE PROPOSAL

and finally convey to downstream village drain. The recommended design return periods based on the flood levels for the various drainage systems depend on the drainage system, land use, hazard to public safety and community expectations. The recommended design return period is reproduced in Table 4-1 below:

DESCRIPTION	DESIGN RETURN PERIODS
Intensively Used Agricultural Land	2 – 5 Years
Village Drainage including internal Drainage System under a polder Scheme	10 Years
Main Rural Catchment Drainage Channels	50 Years
Urban Drainage Trunk System	200 Years
Urban Drainage Branch System	50 Years

Table 4-1 Recommended Design Return Periods based on Flood Levels

As per Storm Drainage Manuel (SDM) Section 6.6.2 Urban Drainage Branch and Urban Drainage Trunk Systems “An ‘Urban Drainage Branch System’ is defined as a group or network of connecting drains collecting runoff from the urban area and conveying stormwater to a trunk drain, river or sea. For a simple definition, the largest pipe size or the equivalent diameter in case of a box culvert in a branch system will normally be less than 1.8m.

An ‘Urban Drainage Trunk System’ collects stormwater from branch drains and/or river inlets, and conveys the flow to outfalls in river or sea. Pipes with size or diameter equal to or larger than 1.8m are normally considered as trunk drains.”

As per SDM, since the proposed U-channels are sized smaller than 1.8m, the drainage system would be defined as an urban drainage branch with recommended design return period of 50 years.

The 50 years design return period will be considered to ensure adequacy of the stormwater drainage system.

4.2 Calculation Methodology for Runoff

Peak instantaneous runoff values before and after the development were calculated based on the Rational Method and with recommended physical parameters including runoff coefficient (C) and storm constants for different return periods referred to the SDM, based on the following equation:

$$Q_p = 0.278 C i A$$

where	Q_p	=	Peak Runoff, m ³ /s
	C	=	Runoff Coefficient
	i	=	Rainfall Intensity, mm/hr
	A	=	Catchment Area, km ²

The paved area of the site will account for 3221m². For conservative, the runoff coefficient of 0.9 is assumed, such that the all the run-off would be collected from the catchment area without any infiltration as the critical scenario.

Based on the storm constants for 50-year return period recommended in the SDM, the appropriate rainfall intensities (i) are calculated as detailed in Appendix D

4.3 Calculation Methodology for Pipe Capacity Checking

Due to the catchment areas are less than 1ha, U-channels are recommended to be constructed to collect the stormwater runoff of the open area within the site. The collected stormwater would be diverted to 375mm U-channel system at boundary of application site. The collected stormwater should finally be diverted to the downstream via the proposed U-channel system.

For the worst-case scenario, bad condition of concrete pipe is assumed for the Manning's roughness coefficient (coefficient value is 0.016) for calculating capacities of concrete U-channel using Manning's Equation.

Manning's Equation for calculating the channel and pipe capacities is adopted.

5 Potential Drainage Impact

5.1 Existing Site Condition

The application Site is located within the Tai Tong with an area of around 3880m² and ground level varying between + 12.1mPD and + 11.8mPD.

5.2 Changes in Drainage Characteristics

Since the ground level of application site is generally higher than the adjacent ground surface. No

TEMPORARY DRAINAGE PROPOSAL

external catchment shall be considered in the calculation.

The characteristics of the sub-catchment areas are altered due to the proposed application, which are changed from unpaved site area to paved area. The change in sub-catchment is summarized in Table 5-1.

	Before	After
Grassland (m ²)	0	0
Paved Area (m ²)	3221	3221
External Catchment Area(m ²)	0	0
Total Catchment Area (m ²)	3221	3221

Table 5-1 Change in sub-catchment within the site

5.3 Potential Drainage Impact

The details of the proposed drainage works are illustrated in **Appendix C**.

To effectively convey stormwater away from the application site and minimize the potential impact to the drainage infrastructure of the village area, drainage works consists of U-channels, are proposed to convey the stormwater runoff to the terminate catchpit with sand trap (TCP), and finally convey to the existing catchpit.

The runoff within application site is collected by two 375mm U-channels along the boundary and convey to the existing terminate catchpit with sand trap (TCP) within the application site, before discharging to the existing catchpit at the South direction of the application site, and eventually discharge to the further downstream village drain.

as indicated in the **Appendix C**.

Catchment Area	Drainage System	Estimated Flow (L/min)	Capacity (L/min)	Reserve Capacity
1	375mm u-channel	7657	14000	45%
2	375mm u-channel	9736	14000	30%
1+2	450mm discharge pipe(existing)	17393	20039	14%

Table 4-2 Design calculation of the proposed drainage work

1. Rainfall increase due to climate change at the end of 21st century is considered according to stormwater drainage manual Table 28.
2. The reserve capacity is calculated by assuming that the U-channel reach its full capacity.

The design runoff arise from the proposed catchment area 1 is to be discharged into the proposed

TEMPORARY DRAINAGE PROPOSAL

375mm u-channel within the runoff anticipated to be of 7657L/min, which is within the drainage capacity of the proposed 375mm u-channel of 14000L/min, the reserve capacity is 45%.

The design runoff arise from the proposed catchment area 2 is to be discharged into the proposed 375mm u-channel within the runoff anticipated to be of 9736L/min, which is within the drainage capacity of the proposed 375mm u-channel of 14000L/min, the reserve capacity is 30%.

The runoff would then be convey to the existing terminal catchpit within the application site, and discharge to downstream village drain by 450mm existing discharge pipe. The total runoff to be discharged by the discharge pipe is 17393L/min, and the capacity of discharge pipe is 20039L/min, the reserve capacity is 16%.

It is considered that the drainage discharge from the Application Site will not cause adverse impact to the entire downstream drainage system.

All u-channels & catch pits will be constructed according to the CEDD's standard drawings, please refer to the **Appendix E**.

6 Construction Stage

6.1 Temporary Drainage Arrangements

Proper measures shall be taken to maintain the existing drainage characteristics of the catchment areas and to minimize drainage impacts associated with the construction works. The principal drainage impacts which are associated with construction of the works have been identified as follows:

- (i) Erosion of ground materials;
- (ii) Sediment transportation to existing downstream drainage system; and
- (iii) Obstruction to drainage systems.

Regular inspections shall be carried out to ensure integrity of the works. These inspections shall cover works under construction as well as recently completed areas.

To ensure proper operation of the site drainage channels and desilting facilities, inspection of the perimeter drains shall be carried out on a weekly basis and the desilting facilities shall be cleaned on a daily basis.

If excavated materials are not possible to transport away the excavated material within the same day, the material should be covered by tarpaulin/impervious sheets. Stockpiles of construction materials (for examples aggregate, fill materials) of more than 50 m³ in an open area shall also be covered with

TEMPORARY DRAINAGE PROPOSAL

tarpaulin or similar fabric during rainstorms.

All runoff discharged into the existing drainage system will be settled in a silt trap to ensure no sediment will be discharged into the channel. Silt traps will normally be provided along the site drainage immediately upstream of the proposed discharge point to the existing Site. The silt traps will be inspected daily and immediately after each rainstorm.

Liaison will be carried out with relevant parties regarding temporary drainage arrangements to ensure that the drainage system is functioning adequately.

7 Conclusions

7.1 Conclusions

The analyzed catchment area of 3221m² consists of the site area of the proposed Application Site only and no external catchment area had been identified.

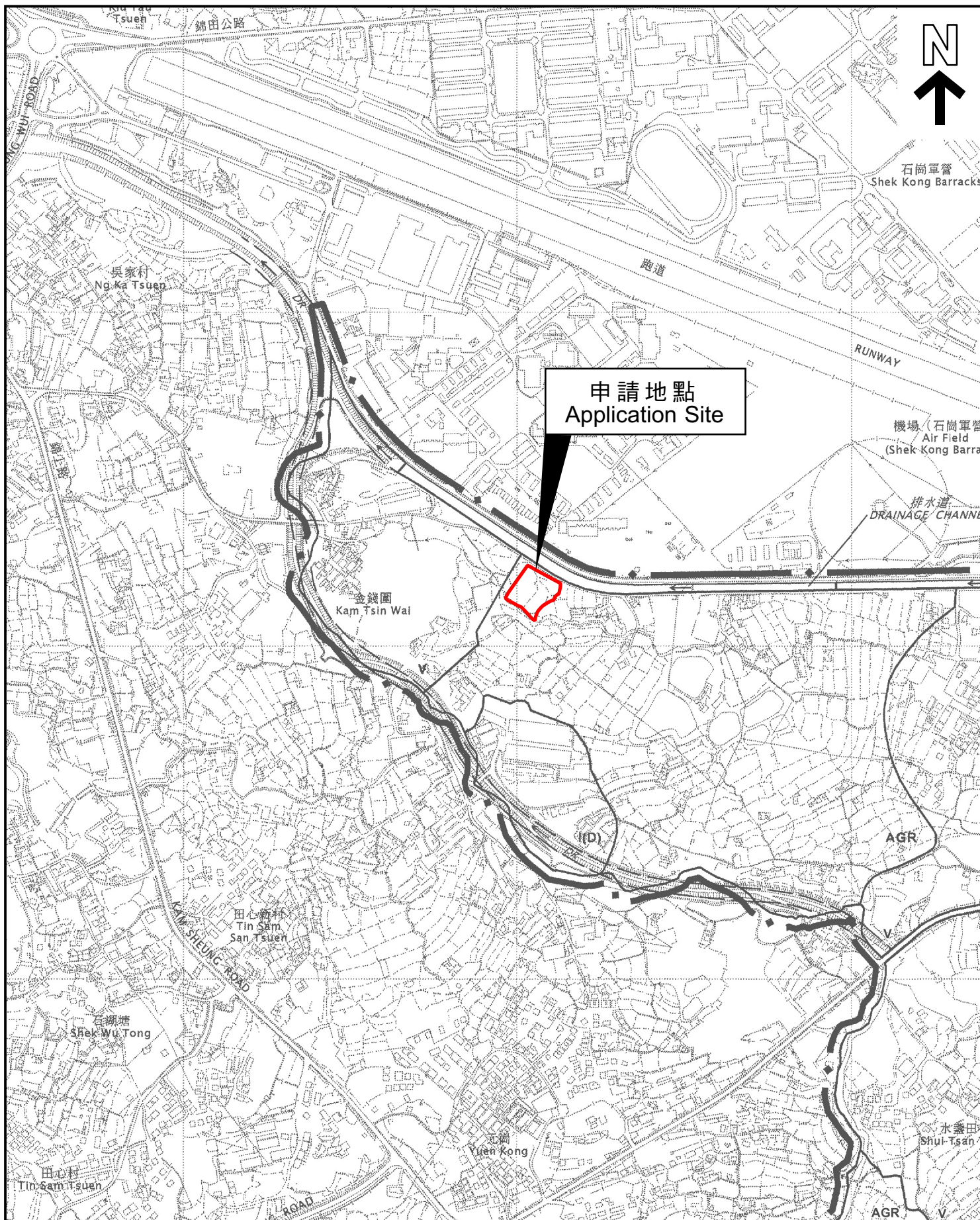
All round U-channels are proposed to convey runoff from the application site for collection. The proposed U-channels are located along the boundary of application site which is subject to change to suit the building layout.

The assessment reviews the drainage pipe have the sufficient capacity to cater for the drainage flow from the Application Site.

Mitigation measures are proposed during the construction period and to ensure that the existing drainage system within the site will not be affected during the construction stage.

APPENDIX A

SITE LAYOUT PLAN



本摘要圖於2025年7月25日擬備，
所根據的資料為於2006年10月17日
核准的分區計劃大綱圖編號S/YL-SK/9
EXTRACT PLAN PREPARED ON
25.7.2025 BASED ON OUTLINE ZONING
PLAN No. S/YL-SK/9 APPROVED ON
17.10.2006

位置圖 LOCATION PLAN

SCALE 1:7 500 比例尺
米 100 0 100 200 300 米
METRES

申請地點界線只作識別用
APPLICATION SITE BOUNDARY
FOR IDENTIFICATION PURPOSE ONLY

參考編號
REFERENCE No.

A/YL-SK/430

APPENDIX B

LAYOUT PLAN

DEVELOPMENT PARAMETERS

APPLICATION SITE AREA	:	3,221 m ²	(ABOUT)
COVERED AREA	:	60 m ²	(ABOUT)
UNCOVERED AREA	:	3,161 m ²	(ABOUT)

PLOT RATIO	: 0.02	(ABOUT)
SITE COVERAGE	: 1.9%	(ABOUT)

NO. OF STRUCTURE	: 2
DOMESTIC GFA	: NOT APPLICABLE
NON-DOMESTIC GFA	: 60 m ² (ABOUT)
TOTAL GFA	: 60 m ² (ABOUT)

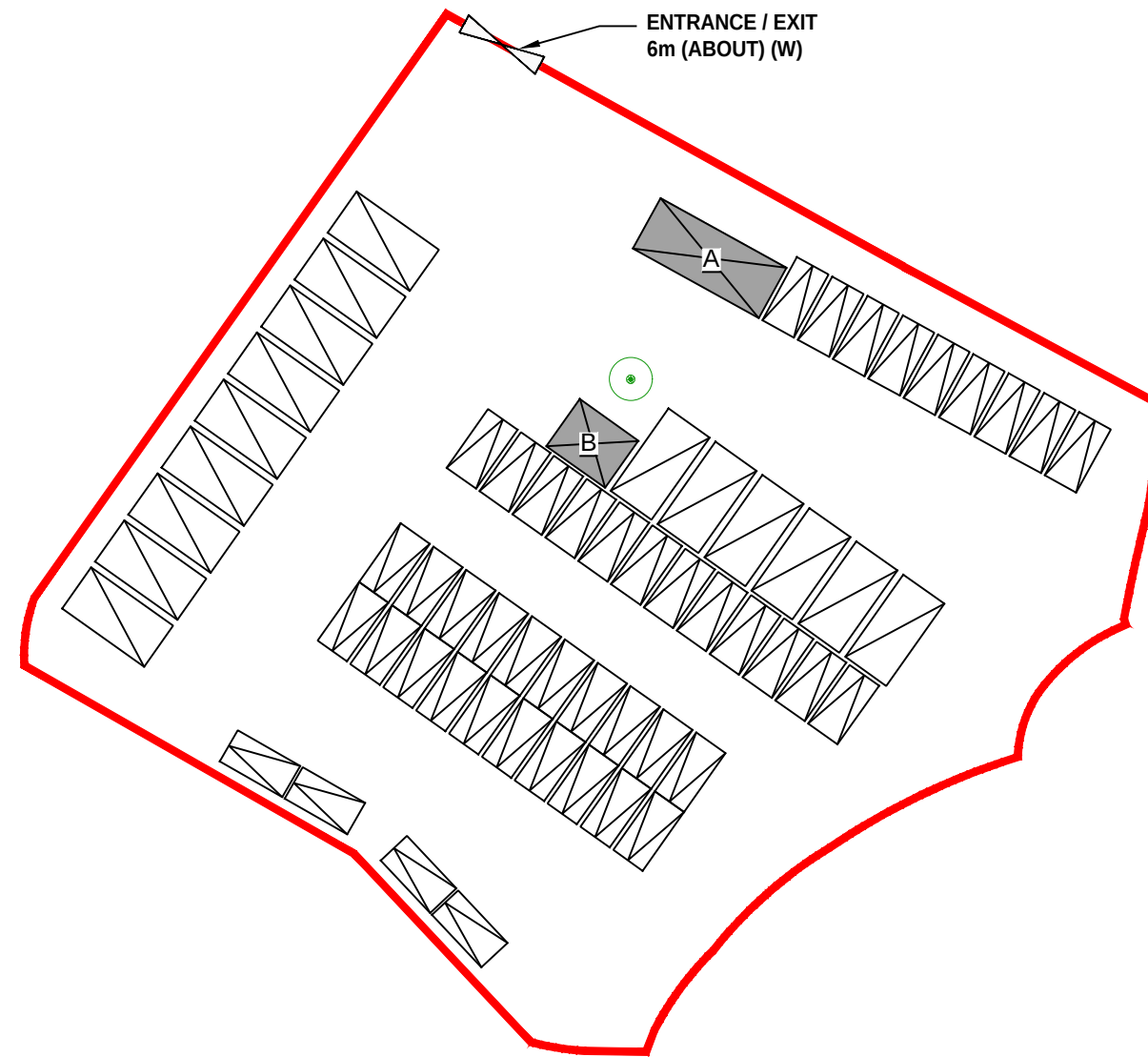
BUILDING HEIGHT : 4 m (NOT MORE THAN)
NO. OF STOREY : 1 (NOT MORE THAN)

STRUCTURE	USE	COVERED AREA	GFA	BUILDING HEIGHT
A	SHROFF AND ANCILLARY OFFICE	40 m ² (ABOUT)	40 m ² (ABOUT)	4 m (NOT MORE THAN) (1-STOREY)
B	STORE ROOM	20 m ² (ABOUT)	20 m ² (ABOUT)	4 m (NOT MORE THAN) (1-STOREY)
TOTAL		60 m ² (ABOUT)	60 m ² (ABOUT)	

PARKING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE : 45
DIMENSIONS OF PARKING SPACE : 5 m (L) X 2.5 m (W)

NO. OF LIGHT GOODS VEHICLES PARKING SPACE : 15
DIMENSIONS OF PARKING SPACE : 7 m (L) X 3.5 m (W)

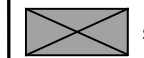


- ALL DIMENSIONS ARE IN MILLIMETER EXCEPT OTHERWISE NOTED
- DO NOT SCALE DRAWING

LEGEND



APPLICATION SITE



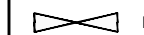
STRUCTURE



PARKING SPACE
(Private Car)
2.5 m (W) X 5 m (L)



PARKING SPACE
(Light Goods Vehicles)
3.5 m (W) X 7 m (L)



ENTRANCE / EXIT



EXISTING TREE

-	LAYOUT PLAN	19 JUN 2025

REVISION	
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	name	
drawn	CY	DATE 19 JUN 2025
checked	-	DATE
approved	-	DATE

contract no. -

project no.	DD106
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TITLE :
PROPOSED TEMPORARY PUBLIC VEHICLE PARK
(EXCLUDING CONTAINER VEHICLE) AND
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SITE LOCATION :
LOTS 1054 S.B AND 1056 S.B (PART) IN D.D. 106,
SHEK KONG, YUEN LONG, NEW TERRITORIES

drawing title.

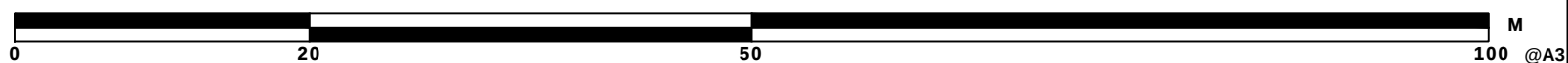
LAYOUT PLAN

drawing no.

PLAN 1

ev. scale

ev.	scale
-	N.T.S.



APPENDIX C

PROPOSED DRAINAGE PLAN

LAND STATUS

APPLICATION SITE AREA : 3,221 m² (ABOUT)
AREA OF PRIVATE LAND : 3,221 m² (ABOUT)
AREA OF GOVERNMENT LAND : N/A



Existing Catchpit

Proposed Catchpit with Sand Trap
(Ref CEDD Drawing No. C2406/1)
Discharge to existing catchpit
CP2
C.L. +11.7mPD
I.L. +11.1mPD

Proposed Catchpit with Sand Trap
(Ref CEDD Drawing No. C2406/1)
Discharge to existing catchpit
TCP
C.L. +11.8mPD
I.L. +10.8mPD

Proposed 375mm Surface
U-channel (Refer CEDD Standard
drawing No. C2409J)
Upstream I.L. +11.5mPD
Downstream I.L. +11.1mPD

Catchment Area CA1
Approx. 1418 m²

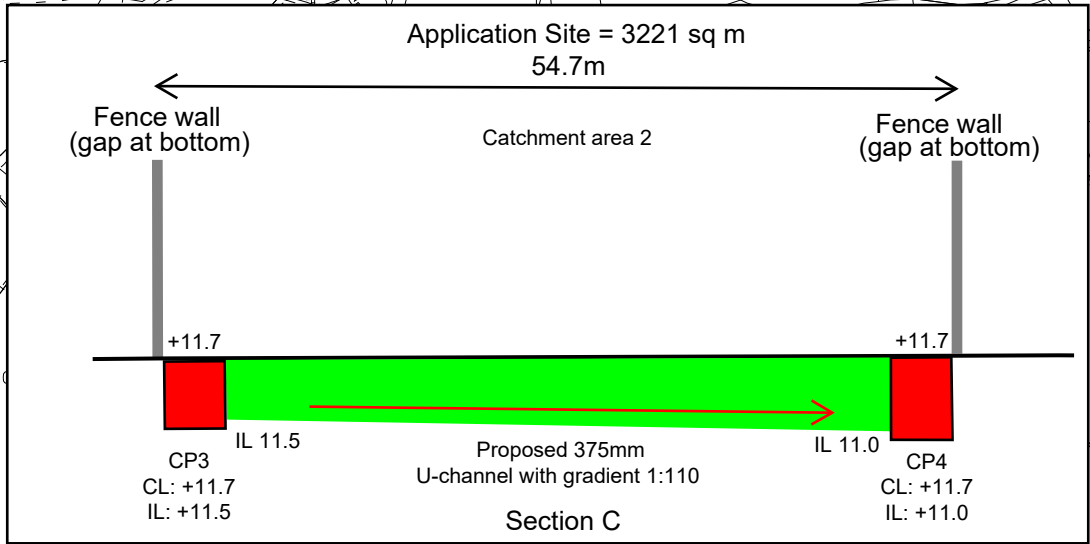
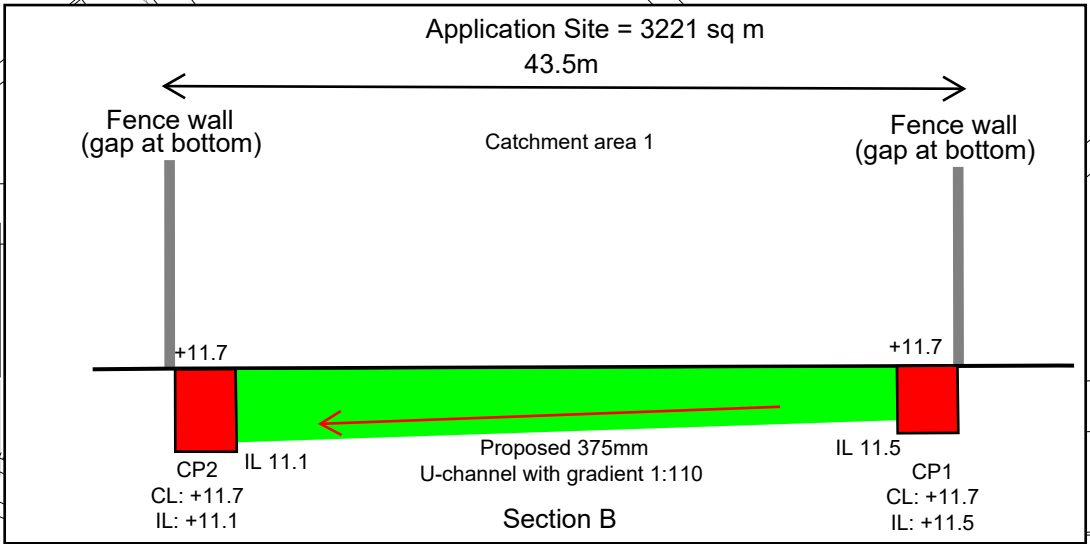
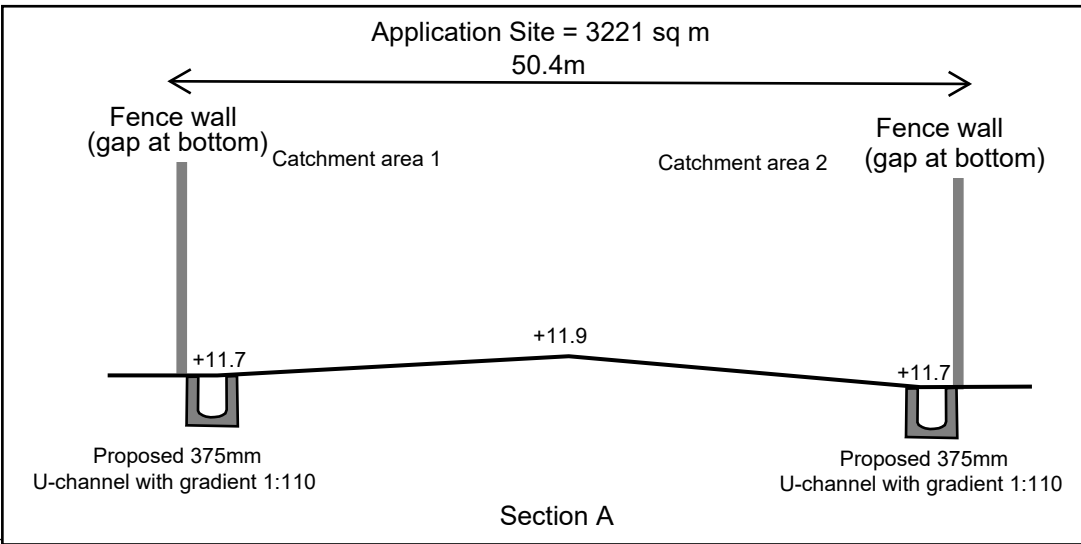
Proposed Catchpit with Sand Trap
(Ref CEDD Drawing No. C2406/1)
Discharge to existing catchpit
CP1
C.L. +11.7mPD
I.L. +11.5mPD

Proposed Catchpit with Sand Trap
(Ref CEDD Drawing No. C2406/1)
Discharge to existing catchpit
CP3
C.L. +11.7mPD
I.L. +11.5mPD

Proposed Catchpit with Sand Trap
(Ref CEDD Drawing No. C2406/1)
Discharge to existing catchpit
CP2
C.L. +11.7mPD
I.L. +11.0mPD

Proposed 375mm Surface
U-channel (Refer CEDD Standard
drawing No. C2409J)
Upstream I.L. +11.5mPD
Downstream I.L. +11.0mPD

Catchment Area CA2
Approx. 1803 m²

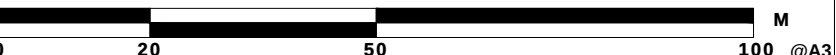


• ALL DIMENSIONS ARE IN MILLIMETER EXCEPT OTHERWISE NOTED
• DO NOT SCALE DRAWING

LEGEND

- APPLICATION SITE
- PRIVATE LAND
- Proposed U-channel
- Proposed Catchpit
- Existing Catchpit

LAYOUT PLAN		19 JUN 2025
REVISION		
drawn	CY	DATE 19 JUN 2025
checked	-	DATE
approved	-	DATE
contract no. -		
project no. DD106		
TITLE : PROPOSED TEMPORARY PUBLIC VEHICLE PARK (EXCLUDING CONTAINER VEHICLE) AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS		
SITE LOCATION : LOTS 1054 S.B AND 1056 S.B (PART) IN D.D. 106, SHEK KONG, YUEN LONG, NEW TERRITORIES		
drawing title. LAND STATUS PLAN		
drawing no. PLAN 3	rev. -	scale N.T.S.



APPENDIX D

DESIGN CALCULATION OF THE PROPOSED DRAINAGE SYSTEM

PROJECT: APPLICATION SITE OF PROPOSED TEMPORARY TEMPORARY PUBLIC VEHICLE PARK AND ASSOCIATED FILLING OF LANDS FOR A PERIOD OF 3 YEARS AT LOTs 1054S.B (PART) IN D.D. 106 AND ADJOINING GOVERNMENT LAND, SHEK KONG, YUEN LONG, NEW TERRITORIES **Revision :** 0 **Date :** 13-Sep-25

JOB NO : ALPL/TDM/017

TITLE : Temporary Drainage Design Calculation **Prepare By:** JW

DETERMINE THE CATCHMENT OF AREA

CA1 = 1418 (m²)
CA2 = 1803 (m²)

DETERMINE THE INLET TIME

Section	A = Catchment of Area (m ²)	Level of remote point (mPD)	Level of inlet point (mPD)	L (m)	H (m/100m)	t _e = Time of Natural flow (min)
1	CA1	1418	11.9	24	0.83	1.74
2	CA2	1803	11.9	26.4	0.76	1.91

Ref.: Brandsby Williams Equation

Note: $t_e = \frac{0.14465 L}{H^{0.2} A^{0.1}}$
H = average slope (m per 100m), measured along the line of natural flow, from the summit of the catchment to the point under consideration
L = distance (on plan) measured on the line of natural flow between the summit and the point under consideration (m).

DETERMINE THE SIZE OF STEPPED / U-CHANNEL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Section No.	Ldr (m)	Lh (m)	L (m)	Gradient (1 in)	Site area (m ²)	others area (m ²)	Total area (m ²)	A (m ²)	channel size	Capacity (l/min)	Assumed Flow	t _f (min)	t _e (min)	t _c (min)	I (mm/hr)	Runoff (l/min)	Remark
1	0.40	43.50	43.50	108.75	1418.00	0.00	1418.00	1418.00	375	14000	2.10	0.35	1.74	2.09	360.00	7657.2	O.K.
2	0.50	54.70	54.70	109.40	1803.00	0.00	1803.00	1803.00	375	14000	2.10	0.43	1.91	2.34	360.00	9736.2	O.K.

Note: Ldr = Different level between U-channel section
Gradient = 1 in (Lh/Ldr)
Total area = Site area + others area
A=Cumulative area = Total area + others section area
Capacity = Refer to the extracted Figure 8.7 - Chart for the Rapid Design of Channels (Geotechnical Manual for Slopes P.253)
Assumed flow velocity = Assumed velocity of runoff
Actual Flow velocity = Refer to the extracted Figure 8.7 - Chart for the Rapid Design of Channels (Geotechnical Manual for Slopes P.253)
t_f = Flow time = L / assumed flow velocity
t_e = inlet time (time taken for flow from the remotest point to reach the most upstream point of the urban drainage system)
t_c = Time of concentration = t_f + t_e (Min. t_c = 1 min. for conservative design)
I = Intensity Refer to the extracted Figure 8.2 - Curves Showing Duration and Intensity of Rainfall in H.K. for Various Return Periods (Geotechnical Manual for Slopes P.248)
K = Runoff coefficient = 0.9 refer to Character of Surface (refer DSD(2013))
Design Return Period = 50 years
Runoff = K.I.A./3600 (l/s) = K.I.A./60 (l/min)
UC U-channel
SC Stepped channel

For section no. 1.00 , Actual Flow Velocity = 1.60 m/s < 4m/s, O.K.
For section no. 2.00 , Actual Flow Velocity = 2.35 m/s < 4m/s, O.K.

17393.4

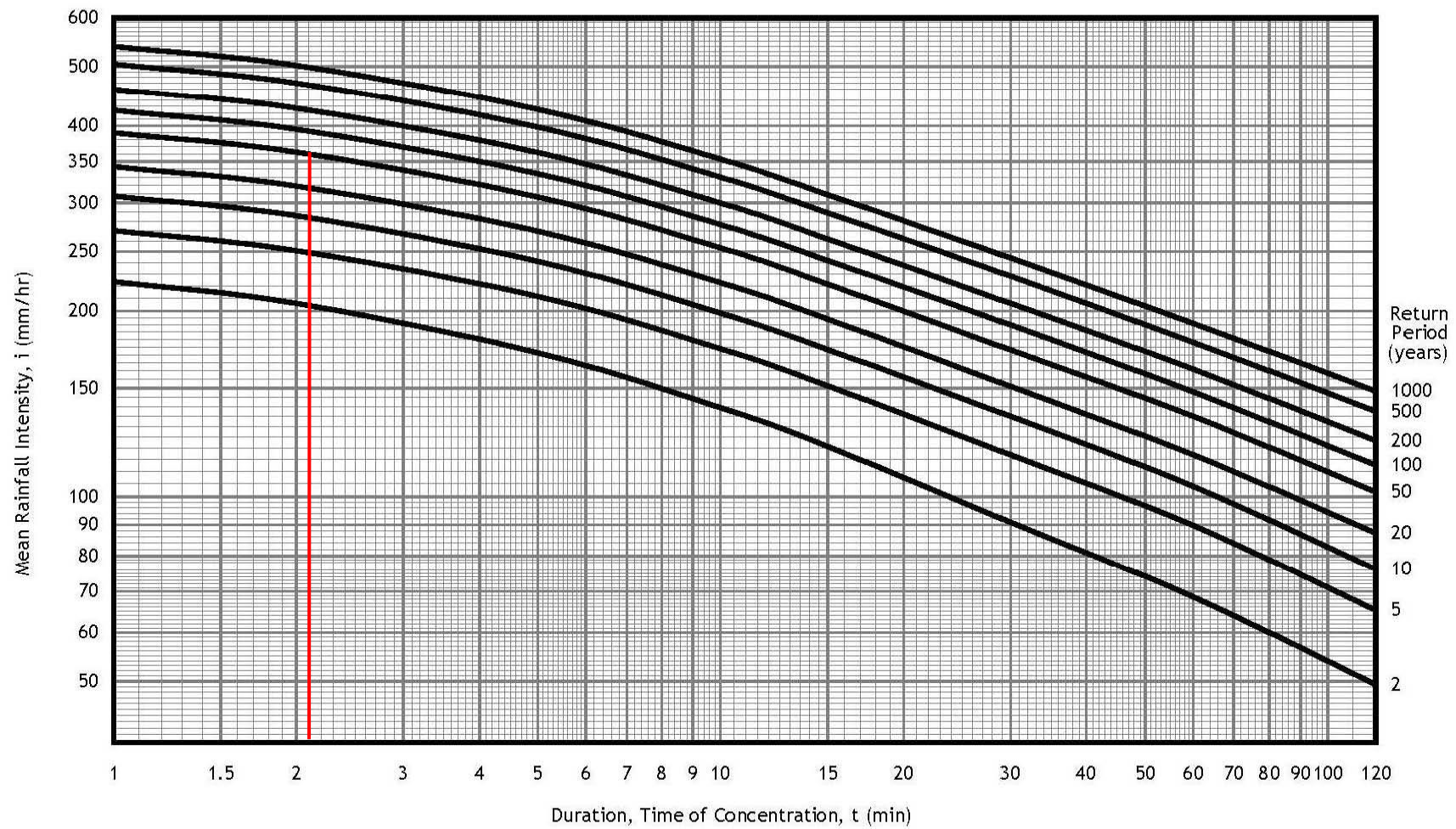
[Use new 375 U, so it is O.K.]
[Use new 375 U, so it is O.K.]

DETERMINE THE SIZE OF DISCHARGE PIPE

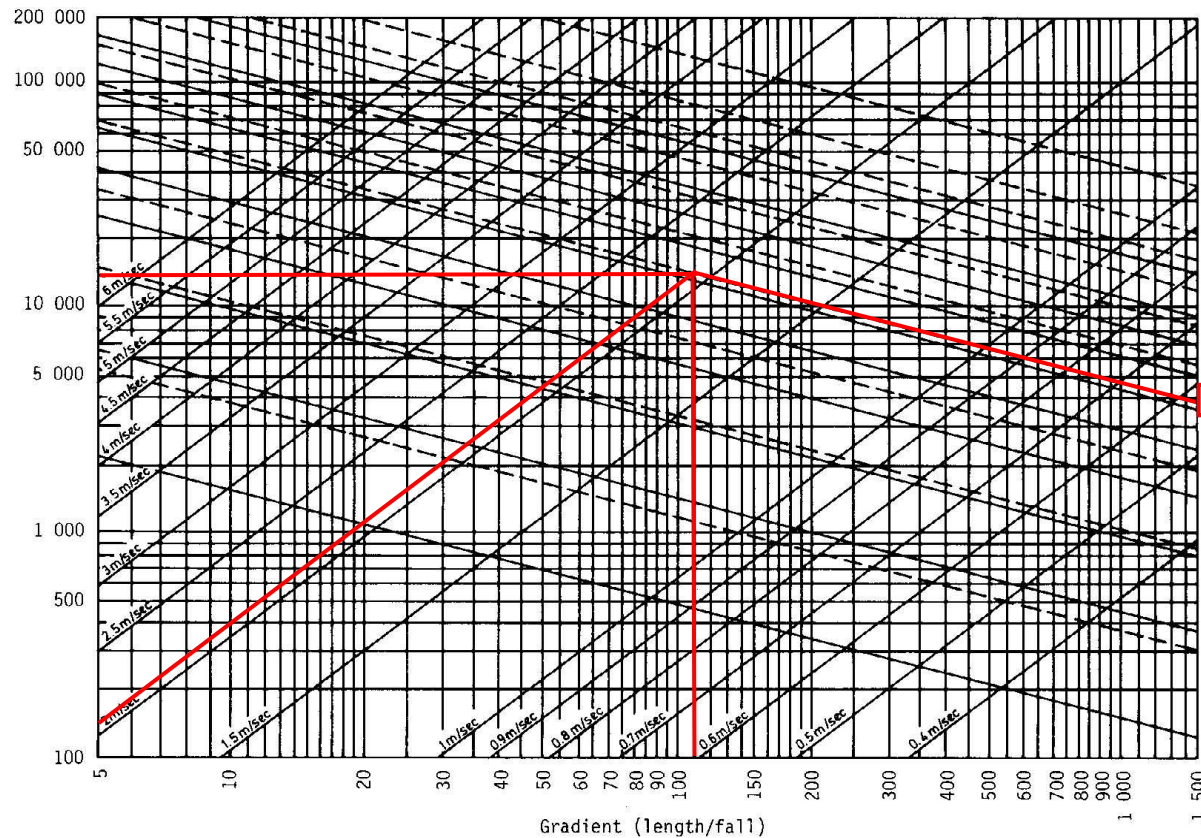
1	2	3	4	5	6	7	8
Section No.	Dia. of Discharge Pipe (mm)	Sectional Area of Discharge Pipe (m ²)	v (m/s)	No. of Discharge Pipe Provided	Capacity (l/min)	Runoff (l/min)	Remark
Existing Drainage pipe	450.00	0.16	2.10	1	20039	17393	O.K.

CAPACITY > RUNOFF [Use new 450 , so it is O.K.]

Note: v = Velocity of flow in downpipe
A = Catchment Area
K = Runoff coefficient = 0.9 refer to Character of Surface (refer DSD(2013))



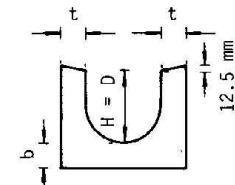
Capacities of Channels (litres per minute)



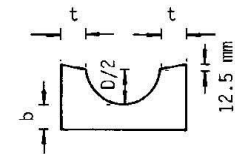
Size of channel (mm) shown by dotted solid line line

900U
750U
675U
600U
525U
450U
375U
300U
225U
150U

Channel dimensions



U-shaped channel (U)



Half-round channel (HR)

DESIGN METHOD USING CHART

(a) Normal channel Solution

1. Runoff
2. Gradient
3. Channel size
4. Velocity

Example :

1. Enter Runoff = 4 000 litre/min.
2. Enter Gradient = 1 in 40
3. Read channel required = 225 U or 300HR
4. Read velocity = 2.2 m/sec. (< 4 m/sec. ∴ OK)

(b) Stepped channel Solution

1. Runoff
2. Gradient
3. Channel size
4. Velocity

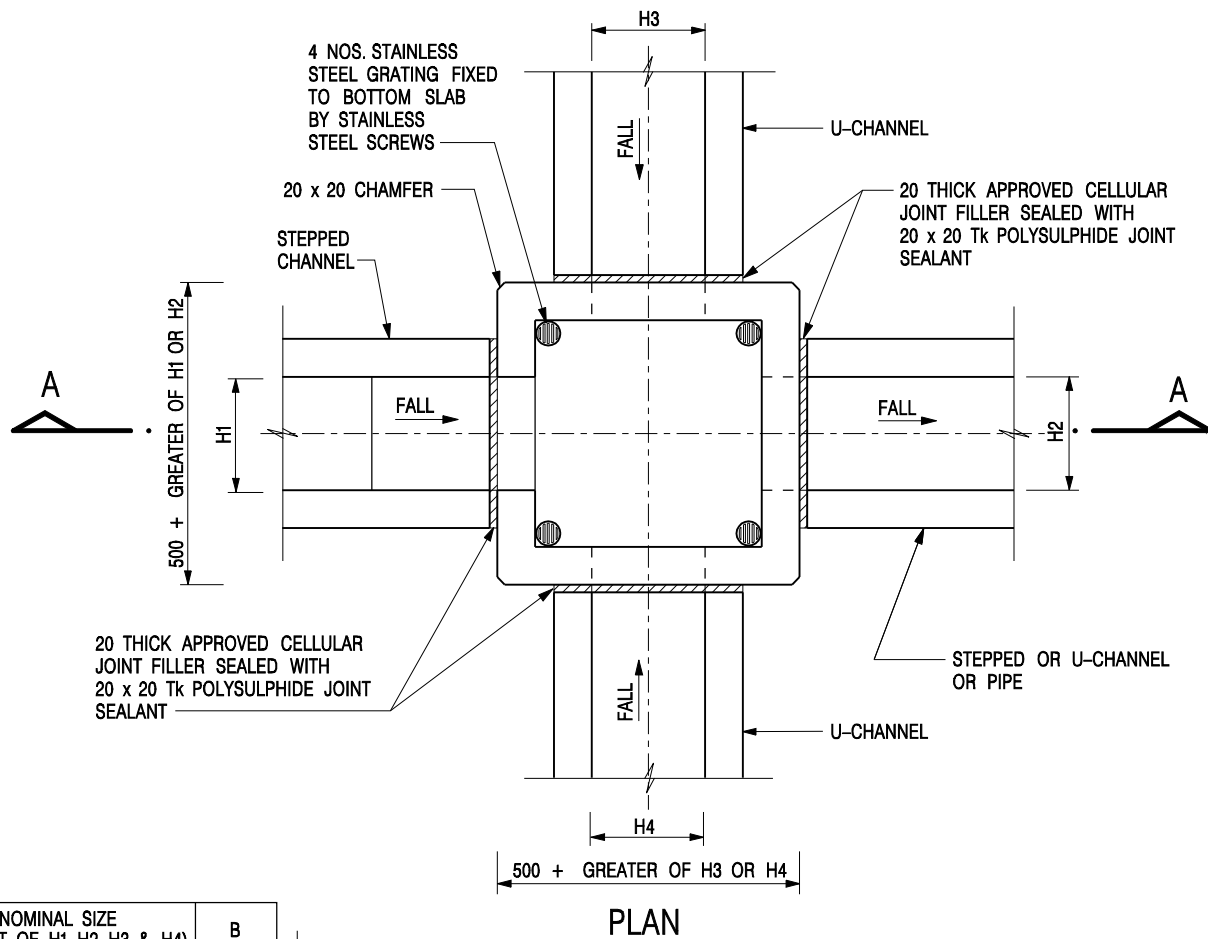
Example :

1. Enter Velocity = 5 m/sec.
2. Enter Runoff = 20 000 litre/min.
3. Read required channel size = 300U
4. Read required gradient = 1 in 14

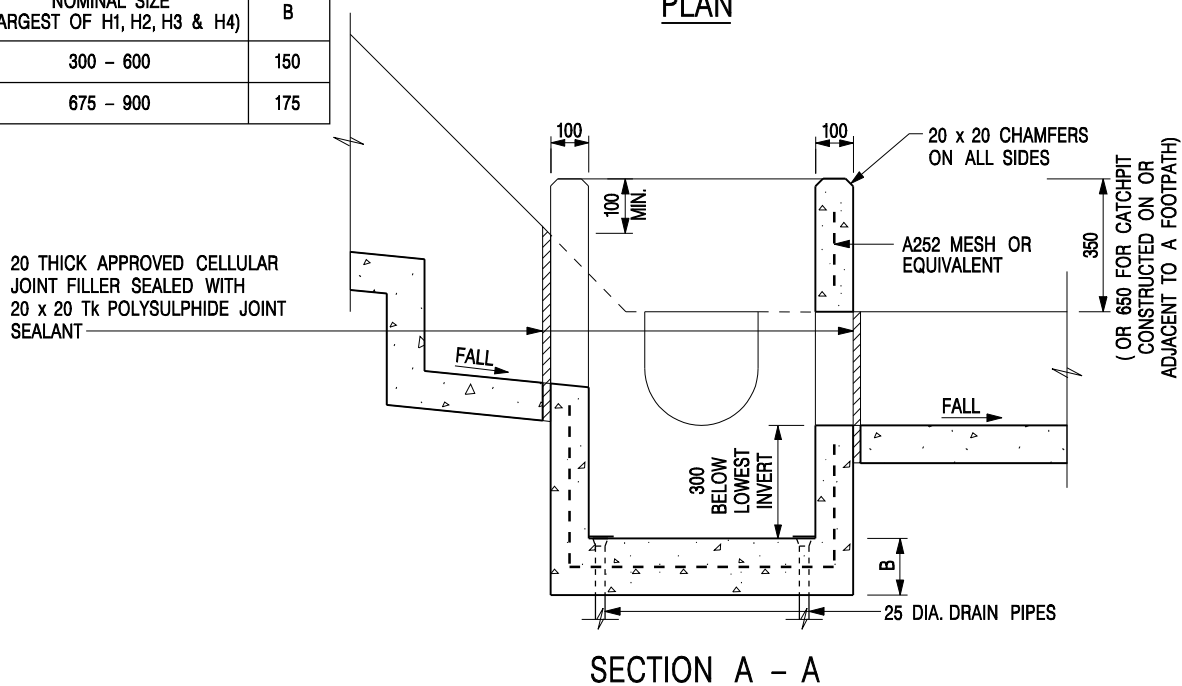
APPENDIX E

TYPICAL STANDARD DRAWINGS OF U-CHANNEL AND CATCHPIT

(EXTRACTED FROM CEDD, FOR REFERENCE ONLY)



NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
300 - 600	150
675 - 900	175

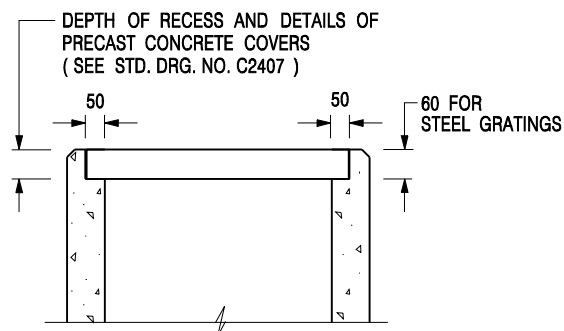


NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFER TO SHEET 2 FOR OTHER NOTES.

CATCHPIT WITH TRAP
(SHEET 1 OF 2)

-	FORMER DRG. NO. C2406J.	Original Signed	03.2015
REF.	REVISION	SIGNATURE	DATE
 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT		SCALE 1 : 20	
		DATE JAN 1991	
		DRAWING NO. C2406 /1	



ALTERNATIVE TOP SECTION FOR PRECAST CONCRETE COVERS / GRATINGS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL CONCRETE SHALL BE GRADE 20 /20.
3. CONCRETE SURFACE FINISH SHALL BE CLASS U2 OR F2 AS APPROPRIATE.
4. FOR DETAILS OF JOINT, REFER TO STD. DRG. NO. C2413.
5. CONCRETE TO BE COLOURED AS SPECIFIED.
6. UNLESS REQUESTED BY THE MAINTENANCE PARTY AND AS DIRECTED BY THE ENGINEER, CATCHPIT WITH TRAP IS NORMALLY NOT PREFERRED DUE TO PONDING PROBLEM.
7. UPON THE REQUEST FROM MAINTENANCE PARTY, DRAIN PIPES AT CATCHPIT BASE CAN BE USED BUT THIS IS FOR CATCHPITS LOCATED AT SLOPE TOE ONLY AND AS DIRECTED BY THE ENGINEER.
8. FOR CATCHPITS CONSTRUCTED ON OR ADJACENT TO A FOOTPATH, STEEL GRATINGS (SEE DETAIL 'A' ON STD. DRG. NO. C2405 /2) OR CONCRETE COVERS (SEE STD. DRG. NO. C2407) SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.
9. IF INSTRUCTED BY THE ENGINEER, HANDRAILING (SEE DETAIL 'J' ON STD. DRG. NO. C2405 /5; EXCEPT ON THE UPSLOPE SIDE) IN LIEU OF STEEL GRATINGS OR CONCRETE COVERS CAN BE ACCEPTED AS AN ALTERNATIVE SAFETY MEASURE FOR CATCHPITS NOT ON A FOOTPATH NOR ADJACENT TO IT. TOP OF THE HANDRAILING SHALL BE 1 000 mm MIN. MEASURED FROM THE ADJACENT GROUND LEVEL.
10. MINIMUM INTERNAL CATCHPIT WIDTH SHALL BE 1 000 mm FOR CATCHPITS WITH A HEIGHT EXCEEDING 1 000 mm MEASURED FROM THE INVERT LEVEL TO THE ADJACENT GROUND LEVEL. AND, STEP IRONS (SEE DSD STD. DRG. NO. DS1043) AT 300 c/c STAGGERED SHALL BE PROVIDED. THICKNESS OF CATCHPIT WALL FOR INSTALLATION OF STEP IRONS SHALL BE INCREASED TO 150 mm.
11. FOR RETROFITTING AN EXISTING CATCHPIT WITH STEEL GRATING, SEE DETAIL 'G' ON STD. DRG. NO. C2405 /4.
12. SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

A	MINOR AMENDMENT.	Original Signed	04.2016
-	FORMER DRG. NO. C2406J.	Original Signed	03.2015
REF.	REVISION	SIGNATURE	DATE

**CATCHPIT WITH TRAP
(SHEET 2 OF 2)**



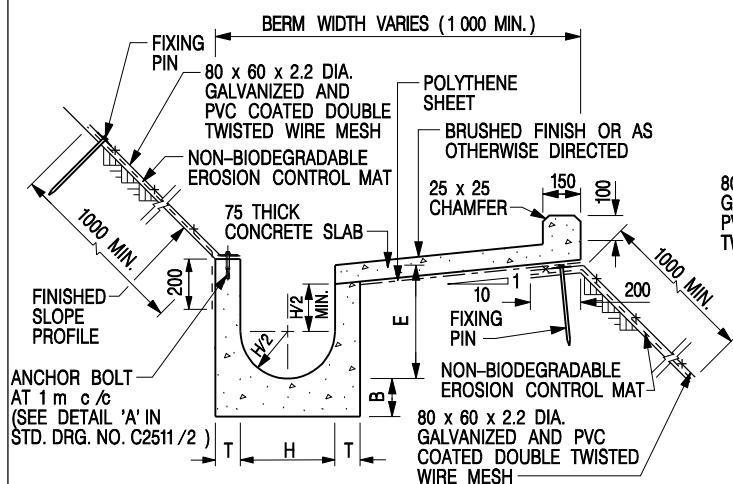
**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

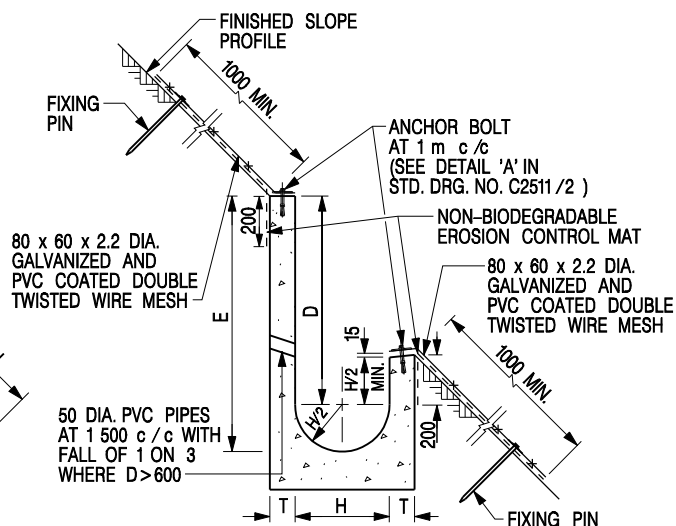
DATE JAN 1991

DRAWING NO.

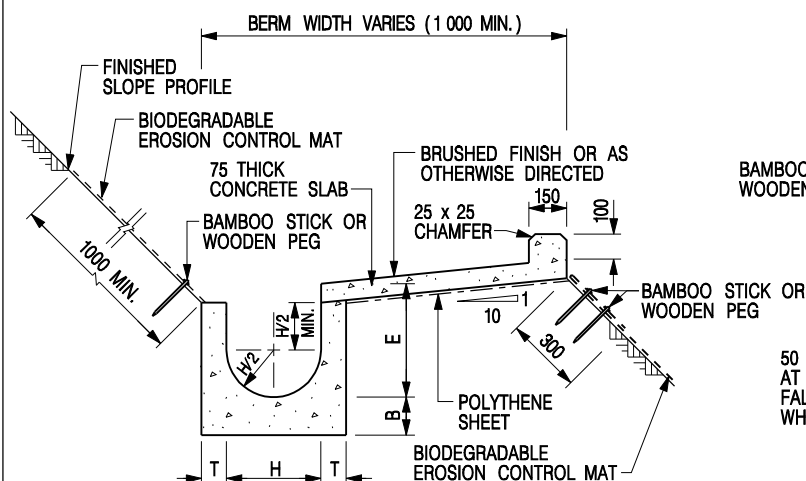
C2406 /2A



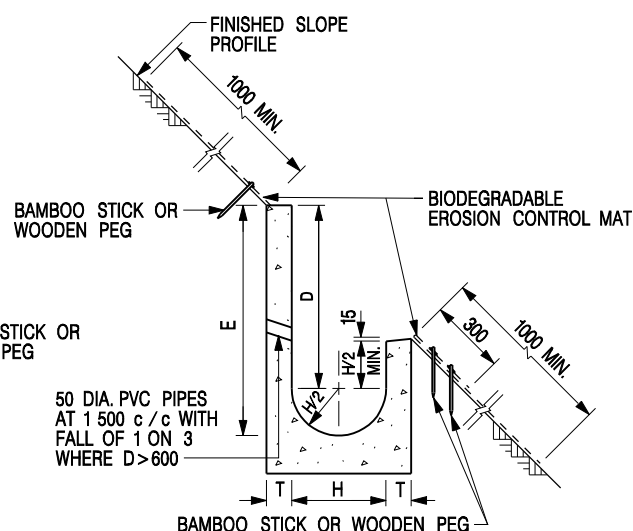
**U-CHANNELS CONSTRUCTED ON BERM
WITH NON-BIODEGRADABLE
EROSION CONTROL MAT**



**U-CHANNELS NOT CONSTRUCTED ON BERM
WITH NON-BIODEGRADABLE
EROSION CONTROL MAT**



**U-CHANNELS CONSTRUCTED ON BERM
WITH BIODEGRADABLE
EROSION CONTROL MAT**



**U-CHANNELS NOT CONSTRUCTED ON BERM
WITH BIODEGRADABLE
EROSION CONTROL MAT**

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES.
- ALL CONCRETE TO BE GRADE 20 /20.
- CONCRETE SURFACE FINISH SHALL BE CLASS U2, F2 OR BRUSHED FINISH AS DIRECTED.
- SPACING OF EXPANSION JOINT IN CHANNELS, BERM SLABS AND APRONS TO BE 10 METRES MAXIMUM, SEE STD. DRG. NO. C2413 FOR DETAILS.
- JOINTS FOR CHANNELS, BERM SLABS, APRONS AND WALLS, ETC. TO BE ON THE SAME ALIGNMENT.
- FOR DIMENSIONS T, H, & B, SEE TABLE BELOW.
- FOR TYPICAL FIXING PIN DETAILS, SEE STD. DRG. NO. C2511/2.
- MINIMUM SIZE OF 25 x 50 x 300mm SHALL BE PROVIDED FOR WOODEN PEG.
- MINIMUM SIZE OF 10mm DIAMETER WITH 200mm LONG SHALL BE PROVIDED FOR BAMBOO STICK.
- THE FIXING DETAILS OF NON-BIODEGRADABLE AND BIODEGRADABLE EROSION CONTROL MATS ON EXISTING BERM SHALL REFER TO STD. DRG. NO. C2511/1.

NOMINAL SIZE H	T	B	REINFORCEMENT
300	80	100	A252 MESH PLACED CENTRALLY AND T=100 WHEN E > 650
375 - 600	100	150	
675 - 900	125	175	A252 MESH PLACED CENTRALLY

I	MINOR AMENDMENT.	Original Signed	07.2018
H	FIXING DETAILS OF BIODEGRADABLE EROSION CONTROL MAT ADDED.	Original Signed	12.2017
G	DIMENSION TABLE AMENDED.	Original Signed	01.2005
F	MINOR AMENDMENT.	Original Signed	01.2004
E	GENERAL REVISION.	Original Signed	12.2002
D	MINOR AMENDMENT.	Original Signed	08.2001
C	150 x 100 UPSTAND ADDED AT BERM.	Original Signed	6.99
B	MINOR AMENDMENT.	Original Signed	3.94
A	MINOR AMENDMENT.	Original Signed	10.92
REF.	REVISION	SIGNATURE	DATE

**DETAILS OF HALF-ROUND AND
U-CHANNELS (TYPE B - WITH
EROSION CONTROL MAT APRON)**



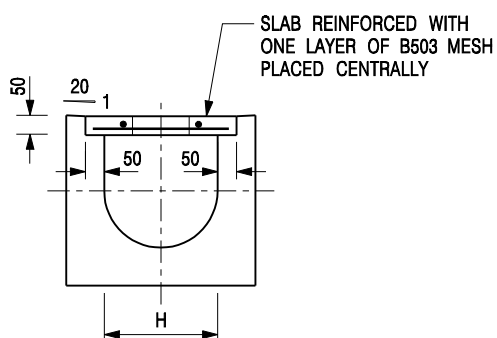
**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE DIAGRAMMATIC

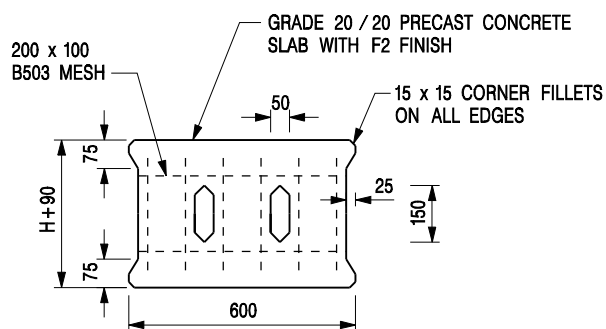
DRAWING NO.

DATE JAN 1991

C24101



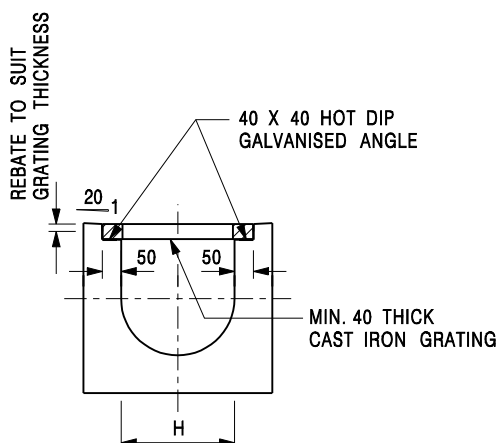
TYPICAL SECTION



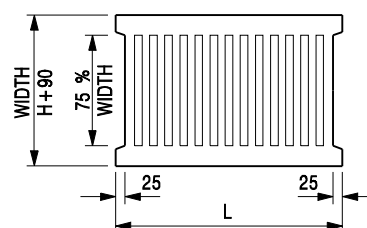
PLAN OF SLAB

U-CHANNELS WITH PRECAST CONCRETE SLABS

(UP TO H OF 525)



TYPICAL SECTION



L = 600mm FOR H ≤ 375mm
L = 400mm FOR H > 375mm

CAST IRON GRATING

(DIMENSIONS ARE FOR GUIDANCE ONLY, CONTRACTOR MAY SUBMIT EQUIVALENT TYPE)

U-CHANNEL WITH CAST IRON GRATING

(UP TO H OF 525)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES.
- H=NOMINAL CHANNEL SIZE.
- ALL CAST IRON FOR GRATINGS SHALL BE GRADE EN-GJL-150 COMPLYING WITH BS EN 1561.
- FOR COVERED CHANNELS TO BE HANDED OVER TO HIGHWAYS DEPARTMENT FOR MAINTENANCE, THE GRATING DETAILS SHALL FOLLOW THOSE AS SHOWN ON HyD STD. DRG. NO. H3156.

E	NOTES 3 & 4 AMENDED.	Original Signed	12.2014
D	NOTE 4 ADDED.	Original Signed	06.2008
C	MINOR AMENDMENT. NOTE 3 ADDED.	Original Signed	12.2005
B	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
A	CAST IRON GRATING AMENDED.	Original Signed	12.2002
REF.	REVISION	SIGNATURE	DATE

**COVER SLAB AND CAST IRON
GRATING FOR CHANNELS**



**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

DATE JAN 1991

DRAWING NO.
C2412E