

寄件者: Louis Tse <[REDACTED]>  
寄件日期: 2026年03月26日星期四 17:59  
收件者: tpbpd/PLAND  
副本: David Chi Chiu CHENG/PLAND; Ivan Sze Yuet FUNG/PLAND; Bon Tang; Matthew Ng; Christian Chim; Danny Ng; Grace Wong  
主旨: [FI] S.16 Application No. A/YL-KTN/1192 - FI to address departmental comments  
附件: FI1 for A\_YL-KTN\_1192 (20260326).pdf  
類別: Internet Email

Dear Sir,

Attached herewith the further information to address departmental comments of the subject application.

Should you require more information, please do not hesitate to contact me. Thank you for your kind attention.

Kind Regards,

**Louis TSE** | Town Planner  
**R-riches Group (HK) Limited**

**R-riches Property Consultants Limited | R-riches Planning Limited | R-riches Construction Limited**

Our Ref. : DD107 Lot 1452  
Your Ref. : TPB/A/YL-KTN/1192

The Secretary,  
Town Planning Board,  
15/F, North Point Government Offices,  
333 Java Road,  
North Point, Hong Kong

**By Email**

26 March 2026

Dear Sir,

**1<sup>st</sup> Further Information**

**Proposed Temporary Warehouse (Excluding Dangerous Goods Godown) with Ancillary Facilities  
and Associated Filling of Land for a Period of 3 Years in "Agriculture" Zone,  
Lot 1452 (Part) in D.D. 107 and Adjoining Government Land, Fung Kat Heung, Yuen Long, N.T.**

**(S.16 Planning Application No. A/YL-KTN/1192)**

We are writing to submit further information to address departmental comments of the subject application (**Appendix I**).

Should you require more information regarding the application, please contact our Mr. Danny NG at [REDACTED] or the undersigned at your convenience. Thank you for your kind attention.

Yours faithfully,

For and on behalf of  
**R-riches Planning Limited**



**Louis TSE**  
Town Planner

cc DPO/FSYLE, PlanD

(Attn.: Mr. David CHENG  
(Attn.: Mr. Ivan FUNG

email: dcccheng@pland.gov.hk )  
email: isyfung@pland.gov.hk )

Responses-to-Comments

Proposed Temporary Warehouse (Excluding Dangerous Goods Godown) with Ancillary Facilities and Associated Filling of Land for a Period of 3 Years in “Agriculture” Zone, Lot 1452 (Part) in D.D. 107 and Adjoining Government Land, Fung Kat Heung, Yuen Long, N.T.

(Application No. A/YL-KTN/1192)

(i) A RtoC Table:

Departmental Comments	Applicant’s Responses
<b>1. Comments of the District Lands Officer/Yuen Long, Lands Department (DLO/YL, LandsD) (Contact Person: Ms. CHENG Sze Lai; Tel: 2443 1072)</b>	
<p>(1) <u>Unauthorized structure(s) within the said private lot(s) covered by the planning application</u></p> <p>LandsD has reservation on the planning application since there is/are unauthorized structure(s) and/or uses on the private lot which is/are already subject to lease enforcement actions according to case priority. The lot owner(s) should rectify/apply for regularization on the lease breaches as demanded by LandsD.</p>	<p>Noted. The applicant will submit Short Term Waiver (STW) application to rectify the unauthorised structure(s) erected on the concerned lots after planning approval has been obtained from the Town Planning Board (the Board).</p>
<p>(2) <u>Unlawful occupation of Government land adjoining the said private lot covered by the planning application</u></p> <p>The Government land within the application site (about <u>118m<sup>2</sup></u> as mentioned in the application form) has been unlawfully occupied with unauthorized structure(s) on or after 28.3.2017 without any</p>	<p>Noted. The applicant will submit STW and Short Term Tenancy (STT) applications to rectify the proposed structures erected on the concerned lots and occupation of Government land (GL) after planning approval has been obtained from the Board. No structure is proposed for domestic use.</p>

	<p>permission. Any occupation of GL without Government’s prior approval is an offence under Cap. 28. <b>LandsD objects to the planning application since there is unlawful occupation of GL and regularization would not be considered according to the prevailing land policy. The lot owner(s) should immediately cease the unlawful occupation of GL as demanded by LandsD.</b> This office reserves the rights to take necessary land control action against the unlawful occupation of GL without further notice. included in the application site. Any occupation of GL without Government’s prior approval is an offence under Cap 28.</p>	
(3)	<p>The lot owner(s)/applicant shall cease the unlawful occupation of the Government land <u>and</u>, subject to the approval of the Town Planning Board to the planning application which shall have reflected the rectification as aforesaid required, apply to this office for a Short Term Waiver (STW) and or Short Term Tenancy (STT) to permit the structure(s) erected and the occupation of the Government land. The application(s) for STW and STT will be considered by the Government in its capacity as a landlord and there is no guarantee that they will be approved. The STW and/or STT, if approved, will be subject to such terms and conditions including the payment of waiver fee, rent and administrative fee as considered appropriate by LandsD. In addition, LandsD reserves the right to take enforcement action against the lot owner(s)/applicant for any breach of the lease conditions, including the breach(es) already inexistence or to be detected at any point of time in future and land control action for any unlawful occupation of Government land.</p>	

	<p>Unless and until the unlawful occupation of Government land are duly rectified by the lot owner(s)/applicant, please take it as <b>this office’s objection to the application</b> which must be brought to the attention of the Town Planning Board when they consider the application.</p>	
<p><b>2. Comments of the Director of Environmental Protection (DEP) (Contact Person: Mr. Kelvin WONG; Tel: 2835 1117)</b></p>		
(1)	<p>It is noted that construction materials would be stored at the Site. As such, grateful if you could ask the applicant to advise:</p> <p>(i) what types of construction materials would be stored at the Site; and</p> <p>(ii) whether dusty materials including cement, earth, pulverized fuel ash, aggregates, silt, stonefines, sand, debris, sawdust and wooden chips would be stored at the site. Thanks.</p>	<p>The storage of construction materials, including but not limited to pipes, iron cover, water pump, etc., will be stored within the enclosed structures on the Site. No dangerous goods or workshop activities will be stored/conducted.</p> <p>No dusty materials, including cement, earth, pulverized fuel ash, aggregates, silt, stonefines, sand, debris, sawdust and wooden chips will be stored at the Site at any time during the planning approval period.</p>
<p><b>3. Comments of the Chief Engineer/Mainland North, Drainage Service Department (CE/MN, DSD) (Contact Person: Ms. Jessica KWAN; Tel: 3965 8924)</b></p>		
(A) Specific Comments		
(1)	<p>The applicant should clarify discrepancies of the proposed and existing ground levels of the application site shown in the submitted application form and drainage proposal.</p>	<p>Noted. The applicant has proposed a new scheme for the drainage arrangement. Please refer to the revised drainage proposal for details (<b>Annex I</b>).</p>
(2)	<p>The applicant should clarify discrepancies of sizes of existing surface channel and the proposed surface channel at the upstream of the proposed catchpit CP4 shown on the submitted</p>	

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	drainage plan and connection details of the proposed and existing drainage facilities mentioned in the proposal.	
(3)	The applicant should clarify management and maintenance responsibilities of the proposed drainage facilities including the proposed catchpit CP4.	
(4)	The ground to the northeast of the application site is generally higher. According to the topography around the subject site , external catchment shall be greater than the one adopted in the submitted hydraulic calculation. The applicant should update hydraulic calculation.	
(5)	Drawings (No. :D01 & D03): Peripheral surface channels shall be provided along the site boundary to collect the surface runoff accrued on the application site and to intercept the overland flow from the adjacent lands. It is noted that there is proposed land filling works for the development. Proper surface channels should be provided at the lower level/platform and wall tow to collect the overland flow to/from adjacent areas.	
(6)	The applicant should clearly indicate the full alignment of the discharge path from the application site all the way down to the ultimate discharge point (e.g. a well-established stream course/public drainage system).	
(7)	Since there is no record of the said discharge path, the applicant should clearly indicate all existing drainage facilities on the	

	<p>proposed drainage plan. Site photos of existing drainage facilities including the discharge point (e.g. existing local village drain mentioned in the proposal and its downstream drainage facilities) should be provided in order to demonstrate the presence and reflect condition of the existing drainage system. Alos, the applicant should provide site photo(s) to demonstrate size of the existing drainage facilities.</p>	
(8)	<p>The applicant should demonstrate with hydraulic calculation that the proposed drainage facilities are adequate to collect, convey and discharge the surface runoff accrued on the application site and the overland glow intercepted from the adjacent lands.</p>	
(9)	<p>The applicant should demonstrate the existing facilities to be discharged to have sufficient capacity to cater for any additional flow generated due to the subject application.</p>	
(10)	<p>Deposition of sediment in drainage system should be considered in the hydraulic calculation as per the requirement in Stormwater Drainage Manual (Section 9.3).</p>	
(B) General Comments		
(1)	<p>The proposed development should neither obstruct overland flow nor adversely affect any existing natural streams, village drains, ditches and the adjacent areas, etc.</p>	

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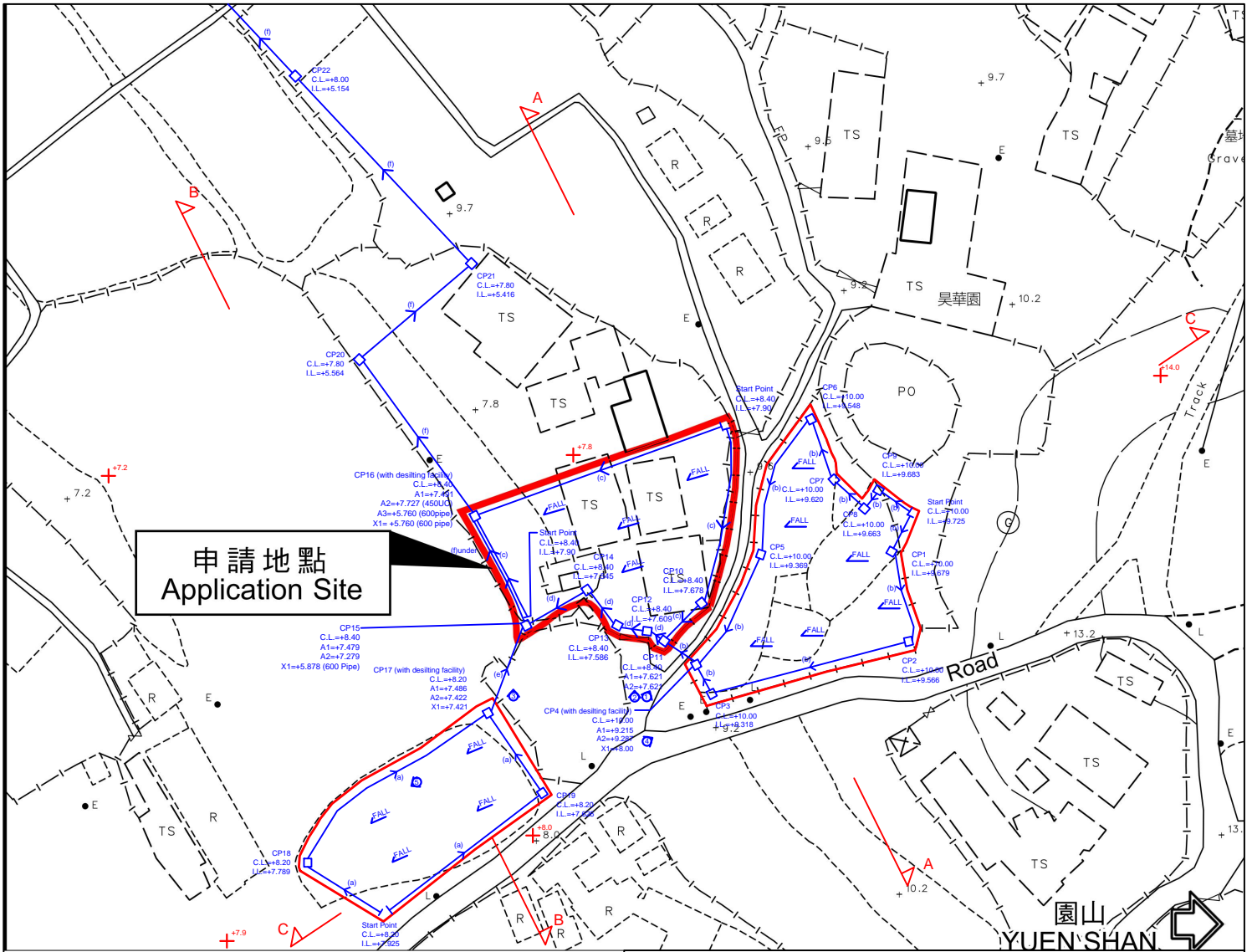
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(2)	Where walls or hoarding are erected are laid along the site boundary, adequate openings should be provided to intercept the overland flow passing through the site.	
(3)	The existing drainage facilities, to which the applicant proposed to discharge the stormwater from the application site was not maintained by this office. The applicant should identify the owner of the existing drainage facilities and seek agreement from the owner prior to commencement	
(4)	The applicant is required to rectify the drainage system if they are found to be inadequate or ineffective during operation. The applicant shall also be liable for and shall indemnify claims and demands arising out of damage or nuisance caused by a failure of the drainage system.	
(5)	The applicant should consult DLO/YL and seek consent from the relevant owners for any drainage works to be carried out outside his lot boundary before commencement of the drainage works.	
(6)	Any existing drainage facilities outside the application site should not be disturbed or interfered with until any necessary diversion works which have been accepted by the owner of the existing drainage facilities, have been satisfactorily completed. Such diversion works should be carried out by the applicant at his/her own cost. Moreover, sufficient allowance for future maintenance of the existing drainage facilities should be provided.	

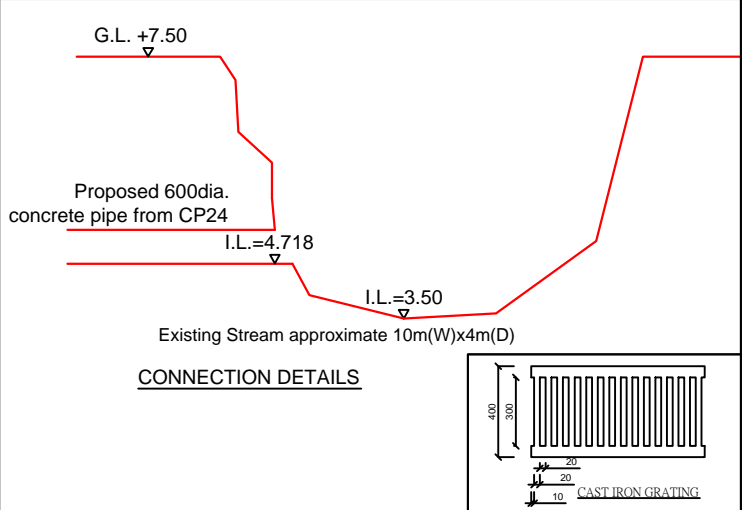
**S.16 Planning Application No. A/YL-KTN/1192**

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(7)	For the construction details of the proposed drainage facilities, reference should be made to current CEDD's standard drawings.	
(8)	Connection of the proposed and existing drainage facilities shall be designed and constructed such that there is no water leakage at the proposed connection.	



- Note:**
- Catchpits (CP4, CP16 & CP17) with desilting facility shall follow CEDD standard drawing No. C2406I.
  - Catchpit and UC follows Typical Details of Geotechnical Manual for Slope Fig.8.10 and Fig.8.11 respectively.
  - Fence Wall to be erected (if any) shall be Open-bottom type.
  - Max. 200mm, 600mm and 400mm concrete paving to be paved on A/YL-KTN/995, A/YL-KTN/1181 and A/YL-KTN/1167 respectively.
- |  |   |
|--|---|
|  | Proposed CatchPit                           |
|  | Proposed 225UC (1:100) with Cast Iron Cover |
|  | Proposed 450HR (1:125) with Cast Iron Cover |
|  | Proposed 450UC (1:100) with Cast Iron Cover |
|  | Proposed 525UC (1:150) with Cast Iron Cover |
|  | Proposed 300mm dia. concrete pipe (1:100)   |
|  | Proposed 600mm dia. concrete pipe (1:150)   |
- 
- TYPICAL DETAIL OF OPEN-BOTTOM TYPE FENCE WALL



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HANDSHIP ENGINEERING COMPANY LIMITED

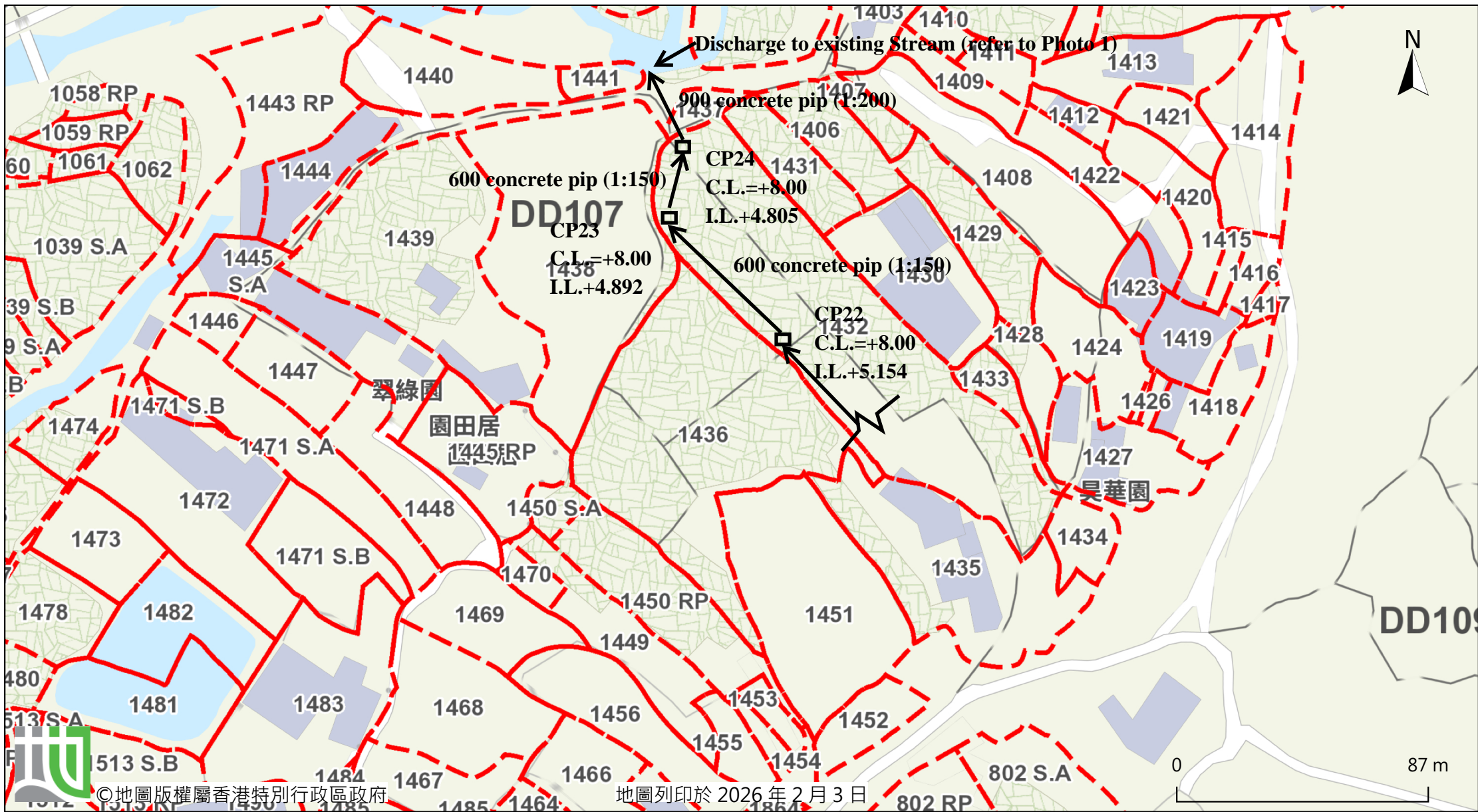
Title: Drainage Proposal - LAYOUT  
D01

Project:  
-Proposed Temporary Open Storage and Associated Filling of Land for a Period of 3 Years at Lot 1435 (Part) in D.D. 107, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/1181)  
-Proposed Temporary Warehouse (Excluding Dangerous Goods Godown) with Ancillary Facilities and Associated Filling of Land for a Period of 3 Years at Lots 1434 (Part) and 1435 (Part) in D.D. 107 and Adjoining Government Land, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/1167)  
-Proposed Temporary Warehouse (excluding Dangerous Goods Godown) with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land at Lot 1452 (Part) in D.D. 107 and Adjoining Government Land, Fung Kat Heung, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/995)

Drawn by: DM	Date: 3-2-2026
Check by: DM	Scale: ---



**Ultimate Discharge Path (Drawing: D01a)**



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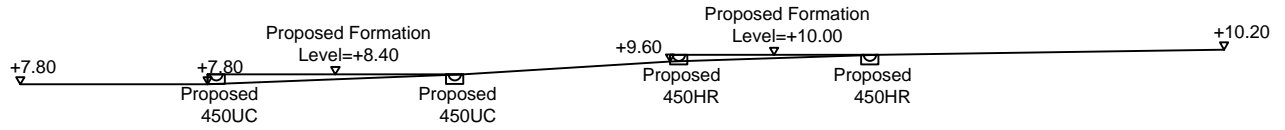
地圖列印於 2026 年 2 月 3 日

由「地理資訊地圖」網站提供: <https://www.map.gov.hk>

注意: 使用此地圖受「地理資訊地圖」的使用條款及條件以及知識產權告示約束。

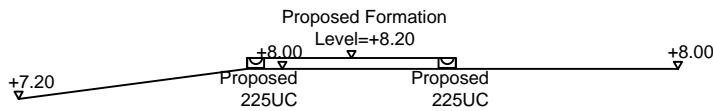
THS SITE  
(A/YL-KTN/1181)

THS SITE  
(A/YL-KTN/1167)



SECTION A-A

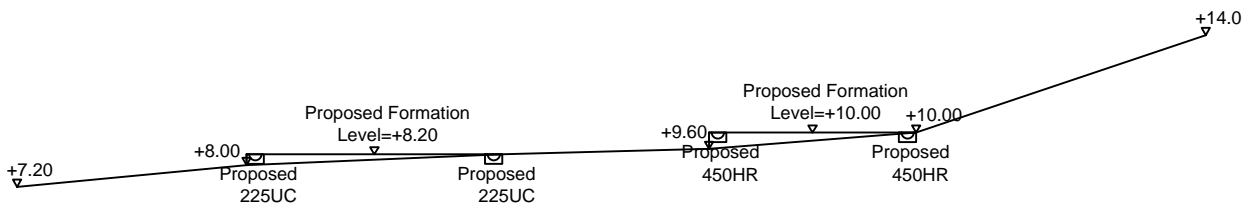
THS SITE  
(A/YL-KTN/995)



SECTION B-B

THS SITE  
(A/YL-KTN/995)

THS SITE  
(A/YL-KTN/1167)



SECTION C-C

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Title:

Drainage Proposal - SECTIONS

D02

Project:

-Proposed Temporary Open Storage and Associated Filling of Land for a Period of 3 Years at Lot 1435 (Part) in D.D. 107, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/1181)

-Proposed Temporary Warehouse (Excluding Dangerous Goods Godown) with Ancillary Facilities and Associated Filling of Land for a Period of 3 Years at Lots 1434 (Part) and 1435 (Part) in D.D. 107 and Adjoining Government Land, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/1167)

-Proposed Temporary Warehouse (excluding Dangerous Goods Godown) with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land at Lot 1452 (Part) in D.D. 107 and Adjoining Government Land, Fung Kat Heung, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/995)

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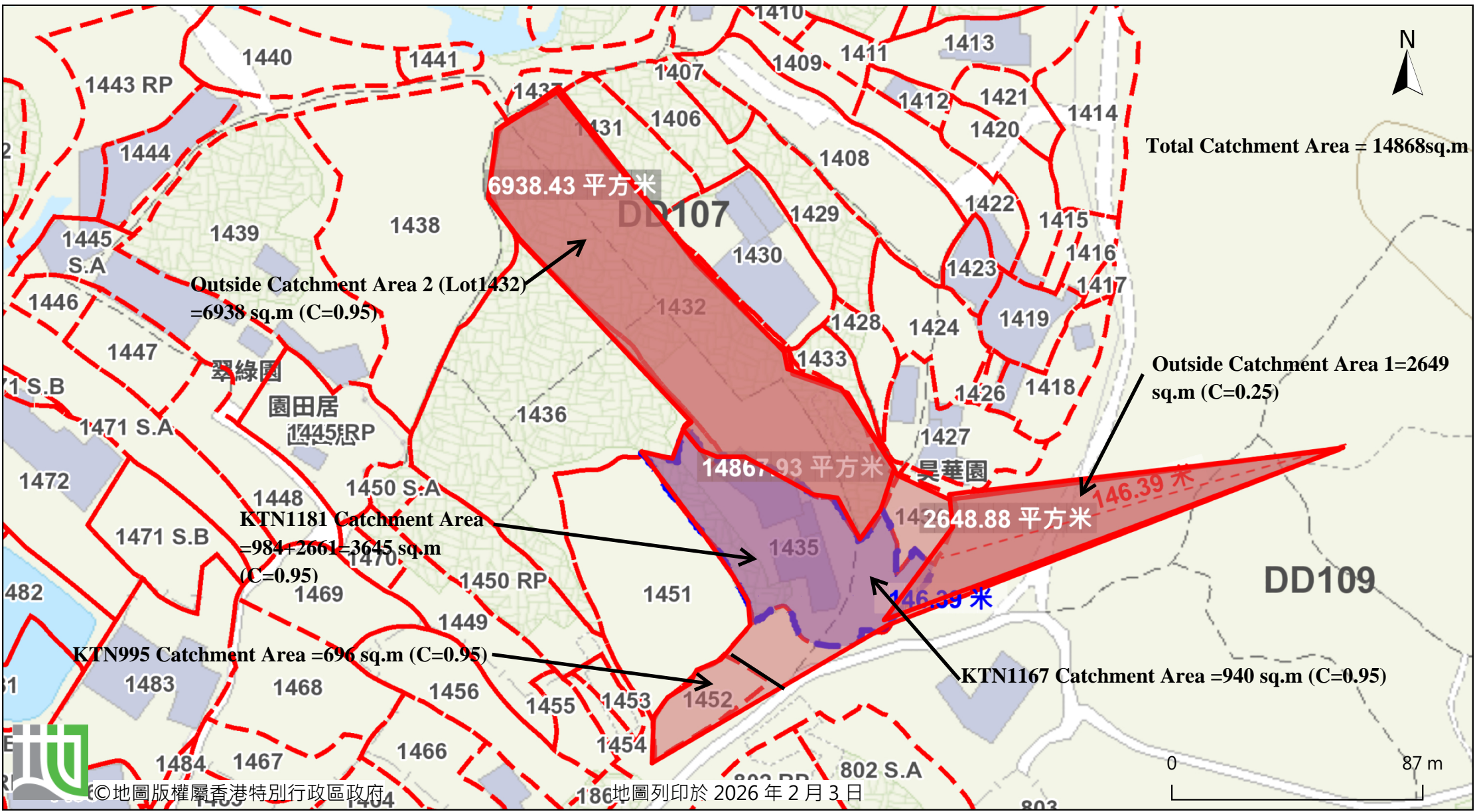
**Photo 1**





前往地圖: <https://www.map.gov.hk/gm/geo:22.4522,114.0624?z=2257>

**Catchment Area Plan**



1	Catchment Area for KTN995, Area	= 696	m <sup>2</sup>	(C= 0.95 )
2	Catchment Area for KTN1167, Area	= 940	m <sup>2</sup>	(C= 0.95 )
3	Catchment Area for KTN1181, Area	= 3645	m <sup>2</sup>	(C= 0.95 )
4	Outside Catchment Area 1, Area	= 2649	m <sup>2</sup>	(C= 0.25 )
5	Outside Catchment Area 2 (Lot1432), Area	= 6938	m <sup>2</sup>	(C= 0.95 )
	H	= 18.767		(H=(37-9.6)/146*100)
	L	= 146	m	

**Calculation of Design Runoff for KTN-1167, Catchment Area 2+4**

$$\Sigma Q = \Sigma 0.278 C i A$$

$$A = 940+2649 \quad \text{km}^2$$

$$= 3589 \quad \text{km}^2$$

$$= 0.003589 \quad \text{m}^2$$

$$t = 0.14465 L / H^{0.2} A^{0.1} \quad (H=(37-9.6)/146*100)$$

$$= 0.14465*146/18.767^{0.2}*3589^{0.1} \quad (L= 146 \text{ m})$$

$$= 5.182 \quad \text{min}$$

$$i = 1.16*a/(t+b)^c \quad (50 \text{ yrs return period, Table 3a, Corrigendum 2024, SDM) and (16\% increase due to climate change)}$$

$$= 1.16*505.5/(5.182+3.29)^{0.355}$$

$$= 274.6 \quad \text{mm/hr}$$

Therefore,  $Q1 = 0.278*0.95*274.6*0.000940+0.278*0.25*274.6*0.002649$

$$= 0.1187 \quad \text{m}^3/\text{sec}$$

$$= \underline{7124} \quad \text{lit/min}$$

**Provide 450HRUC (1:125)**

**Calculation of Design Runoff for KTN-995, Catchment Area 1**

$$\Sigma Q = \Sigma 0.278 C i A$$

$$A = 696 \quad \text{km}^2$$

$$= 696 \quad \text{km}^2$$

$$= 0.000696 \quad \text{m}^2$$

$$t = 0.14465 L / H^{0.2} A^{0.1} \quad (H=(37-9.6)/146*100)$$

$$= 0.14465*146/18.767^{0.2}*696^{0.1} \quad (L= 146 \text{ m})$$

$$= 6.106 \quad \text{min}$$

$$i = 1.16*a/(t+b)^c \quad (50 \text{ yrs return period, Table 3a, Corrigendum 2024, SDM) and (16\% increase due to climate change)}$$

$$= 1.16*505.5/(6.106+3.29)^{0.355}$$

$$= 264.7 \quad \text{mm/hr}$$

Therefore,  $Q2 = 0.278*0.95*264.7*0.000696$

$$= 0.0487 \quad \text{m}^3/\text{sec}$$

$$= \underline{2920} \quad \text{lit/min}$$

**Provide 225UC (1:100) or 300mm dia. concrete pipe (1:100)**

**Calculation of Design Runoff for KTN-118 without collecting from others, Catchment Area 3**

$$\Sigma Q = \Sigma 0.278 C i A$$

$$\begin{aligned} A &= 3645 && \text{km}^2 \\ &= 3645 && \text{km}^2 \\ &= 0.003645 && \text{m}^2 \end{aligned}$$

$$\begin{aligned} t &= 0.14465 L / H^{0.2} A^{0.1} && (H=(37-9.6)/146*100) \\ &= 0.14465*146/18.767^{0.2}*3645^{0.1} && (L= 146 \text{ m}) \\ &= 5.174 && \text{min} \end{aligned}$$

$$\begin{aligned} i &= 1.16*a/(t+b)^c && (50 \text{ yrs return period, Table 3a, Corrigendum 2024,} \\ &= 1.16*505.5/(5.174+3.29)^{0.355} && \text{SDM) and (16\% increase due to climate change)} \\ &= 274.7 && \text{mm/hr} \end{aligned}$$

Therefore, 
$$\begin{aligned} Q_3 &= 0.278*0.95*274.7*0.003645 \\ &= 0.2645 && \text{m}^3/\text{sec} \\ &= \mathbf{15867} && \text{lit/min} \end{aligned}$$

**Provide 450UC (1:125)**

**Calculation of Design Runoff for KTN-118 from CP11 to CP15, Catchment Area 3 + Q1**

$$\begin{aligned} Q_3+Q_1 &= 15867 && + && 7124 \\ &= \mathbf{22992} && && \text{lit/min} \end{aligned}$$

**Provide 525UC (1:150)**

**Calculation of Design Runoff for KTN-118 from CP15 to CP16, Catchment Area 3 + Q1 + Q2**

$$\begin{aligned} Q_3+Q_1+Q_2 &= 15867 && + && 7124 && + && 2920 \\ &= \mathbf{25911} && && && && \text{lit/min} \end{aligned}$$

**Provide 600mm dia. concrete pipe (1:150)**

**Calculation of Design Runoff from CP25 (final outfall to Nullah, Outside Catchment Area 2 (Lot1432) + Q1 + Q2 + Q3**

$$\Sigma Q = \Sigma 0.278 C i A$$

$$\begin{aligned} A &= 6938 && \text{km}^2 \\ &= 6938 && \text{km}^2 \\ &= 0.006938 && \text{m}^2 \end{aligned}$$

$$\begin{aligned} t &= 0.14465 L / H^{0.2} A^{0.1} && (H=(37-9.6)/146*100) \\ &= 0.14465*146/18.767^{0.2}*6938^{0.1} && (L= 146 \text{ m}) \\ &= 4.851 && \text{min} \end{aligned}$$

$$\begin{aligned} i &= 1.16*a/(t+b)^c && (50 \text{ yrs return period, Table 3a, Corrigendum 2024,} \\ &= 1.16*505.5/(4.851+3.29)^{0.355} && \text{SDM) and (16\% increase due to climate change)} \\ &= 278.5 && \text{mm/hr} \end{aligned}$$

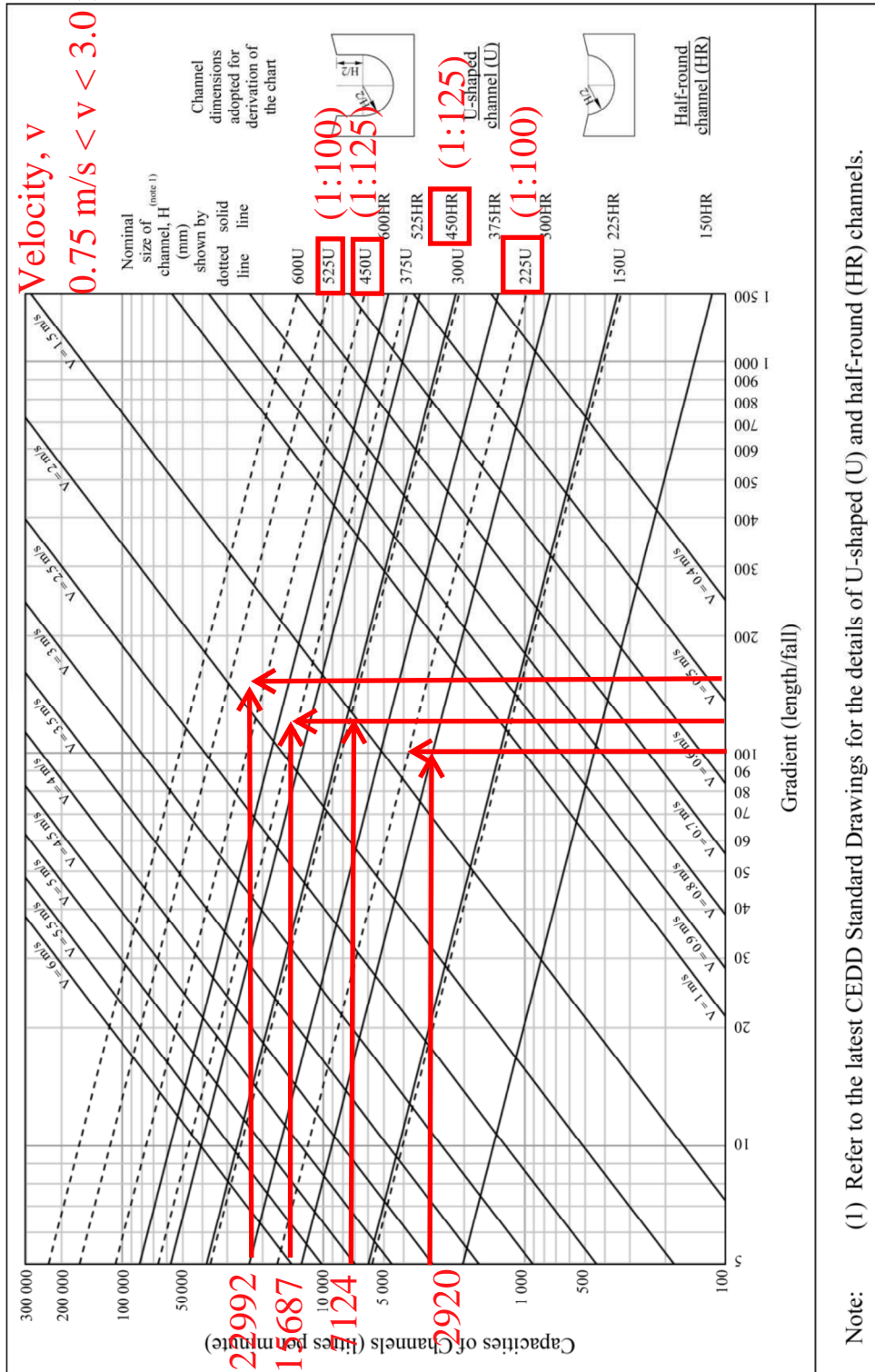
Therefore, 
$$\begin{aligned} Q_4 &= 0.278*0.95*278.5*0.006938 + Q_1 + Q_2 + Q_3 \\ &= 0.9422 && \text{m}^3/\text{sec} \\ &= \mathbf{56533} && \text{lit/min} \end{aligned}$$

**Provide 450UC (1:125)**

**GEO Technical Guidance Note No. 43 (TGN 43)**  
**Guidelines on Hydraulic Design of U-shaped and Half-round Channels on Slopes**

Issue No.: 1      Revision: -      Date: 05.06.2014      Page: 3 of 3

Figure 1 - Chart for the rapid design of U-shaped and half-round channels up to 600 mm



Check Existing 300mm dia. Pipes by Colebrook-White Equation

$$V = -\sqrt{(8gDs)} \log\left(\frac{ks}{3.7D} + \frac{2.51v}{D\sqrt{(2gDs)}}\right)$$

where :

V	=		mean velocity (m/s)	
g	=	9.81	m/s <sup>2</sup> gravitational acceleration (m/s <sup>2</sup> )	
D	=	0.3	m internal pipe diameter (m)	
ks	=	0.00006	m hydraulic pipeline roughness (m)	(Table14, from DSD SDM 2018, concrete pipe)
v	=	1.14E-06	m <sup>2</sup> /s kinematic viscosity of fluid (m <sup>2</sup> /s)	
s	=	0.01	hydraulic gradient (1:100)	

Therefore, design V of pipe capacity = 1.9553 m/s

Q= 0.8VA		(0.8 factor for sedimentation)
= 0.111	m <sup>3</sup> /s	
= 6634	lit/min	
> 2920	lit/min	Ok

Check Existing 600mm dia. Pipes by Colebrook-White Equation

$$V = -\sqrt{(8gDs)} \log\left(\frac{ks}{3.7D} + \frac{2.51v}{D\sqrt{(2gDs)}}\right)$$

where :

V	=		mean velocity (m/s)	
g	=	9.81	m/s <sup>2</sup> gravitational acceleration (m/s <sup>2</sup> )	
D	=	0.6	m internal pipe diameter (m)	
ks	=	0.00006	m hydraulic pipeline roughness (m)	(Table14, from DSD SDM 2018, concrete pipe)
v	=	1.14E-06	m <sup>2</sup> /s kinematic viscosity of fluid (m <sup>2</sup> /s)	
s	=	0.006667	hydraulic gradient (1:150)	

Therefore, design V of pipe capacity = 2.4406 m/s

Q= 0.8VA		(0.8 factor for sedimentation)
= 0.552	m <sup>3</sup> /s	
= 33123	lit/min	
> 25911	lit/min	Ok

Check Proposed 900mm dia. Pipes by Colebrook-White Equation

$$V = -\sqrt{(8gDs)} \log\left(\frac{ks}{3.7D} + \frac{2.51v}{D\sqrt{(2gDs)}}\right)$$

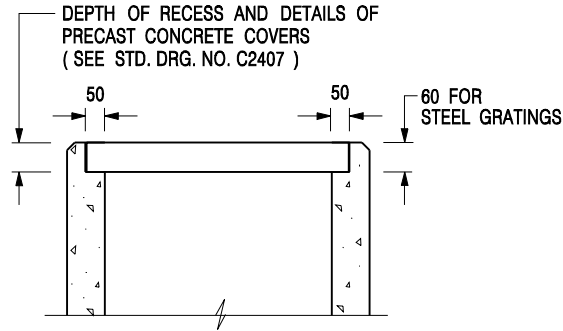
where :

V	=		mean velocity (m/s)
g	=	9.81	m/s <sup>2</sup> gravitational acceleration (m/s <sup>2</sup> )
D	=	0.9	m internal pipe diameter (m)
ks	=	0.00006	m hydraulic pipeline roughness (m) (Table14, from DSD SDM 2018, concrete pipe)
v	=	1.14E-06	m <sup>2</sup> /s kinematic viscosity of fluid (m <sup>2</sup> /s)
s	=	0.005	hydraulic gradient (1: 200 )

Therefore, design V of pipe capacity = 2.6991 m/s

Q= 0.8VA		(0.8 factor for sedimentation)
= 1.374	m <sup>3</sup> /s	
= 82420	lit/min	
> 56533	lit/min	Ok





**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
<b>REF.</b>	<b>REVISION</b>	<b>SIGNATURE</b>	<b>DATE</b>

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



**CIVIL ENGINEERING AND  
DEVELOPMENT DEPARTMENT**

**SCALE** 1 : 20

**DRAWING NO.**

**DATE** JAN 1991

**C2406 /2A**

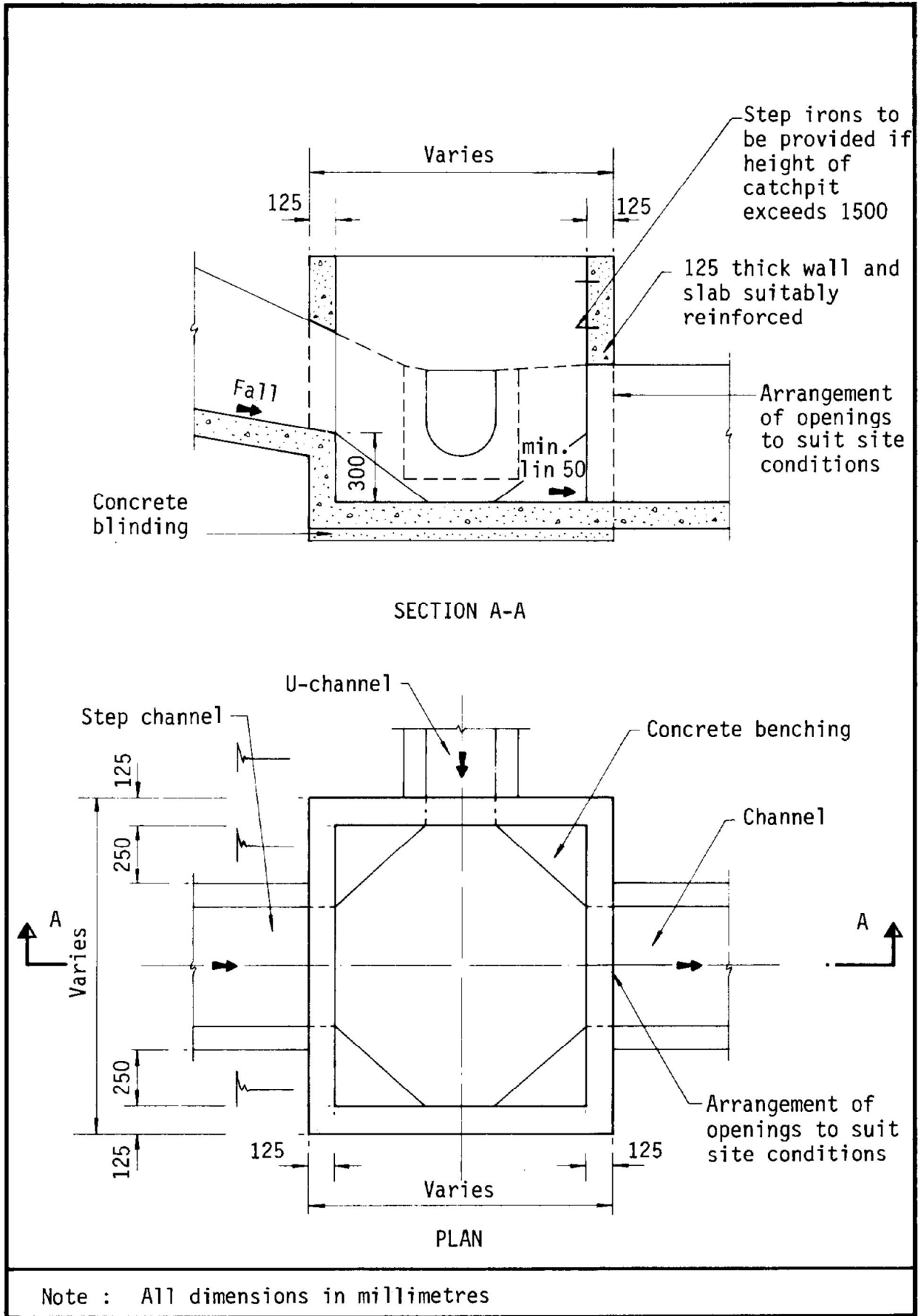


Figure 8.10 - Typical Details of Catchpits

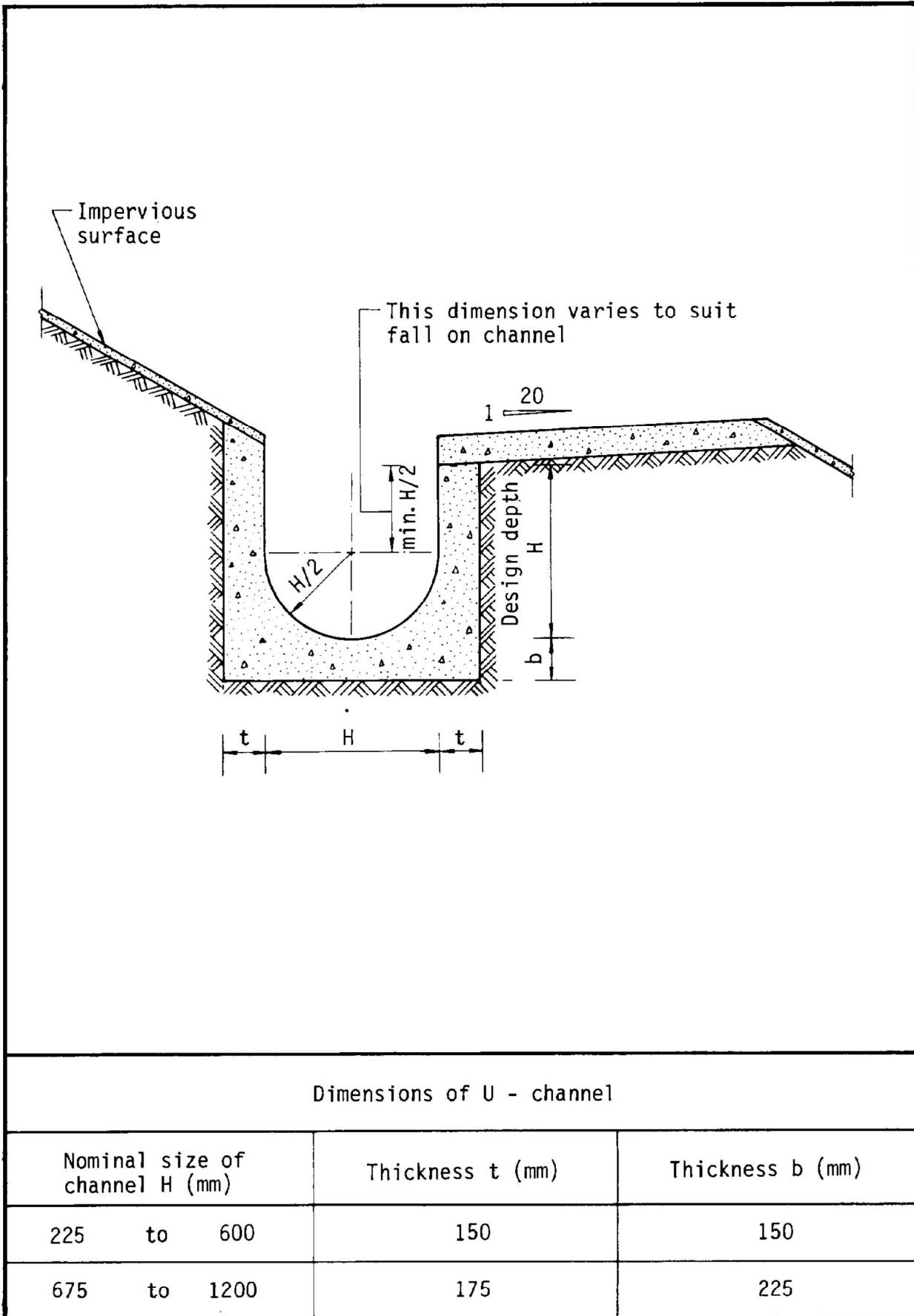


Figure 8.11 - Typical U-channel Details