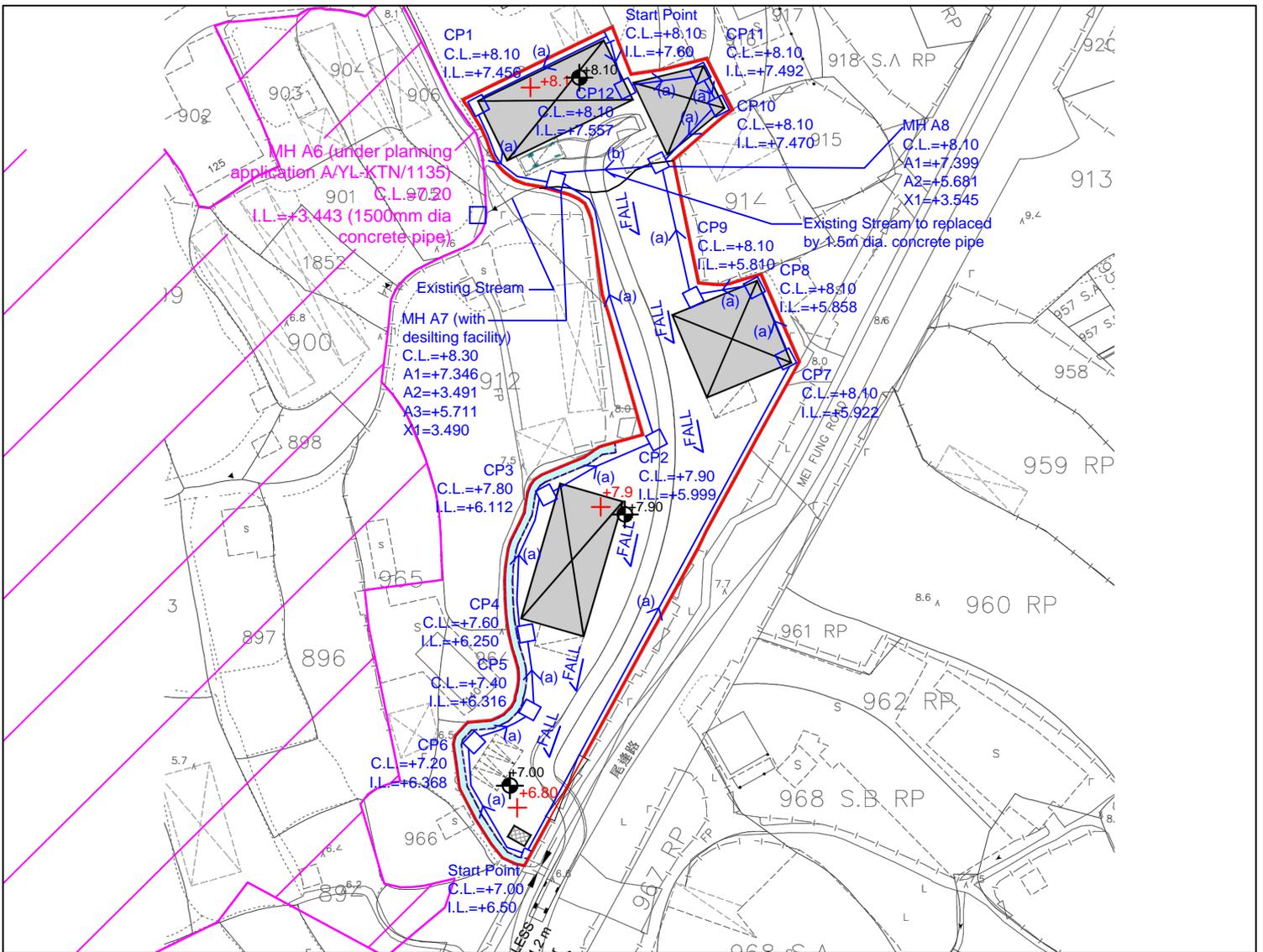


S.16 Planning Application for Proposed Temporary Warehouse (Excluding Dangerous Goods Godown) with Ancillary Facilities and Associated Filling of Land for a Period of 3 Years in "Agriculture" Zone, Lots 907 (Part), 911, 912 (Part), 913 RP (Part), 960 RP (Part), 961 RP (Part), 962 RP (Part), 963 RP (Part) and 967 RP (Part) in D.D. 107, Kam Tin, Yuen Long, New Territories

Planning Statement

Appendix A

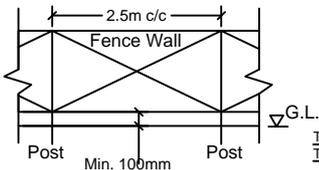
Drainage Proposal



- Note:**
- Catchpits (MH A7) 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.
 - Maximum 200mm concrete filling for levelling the site.

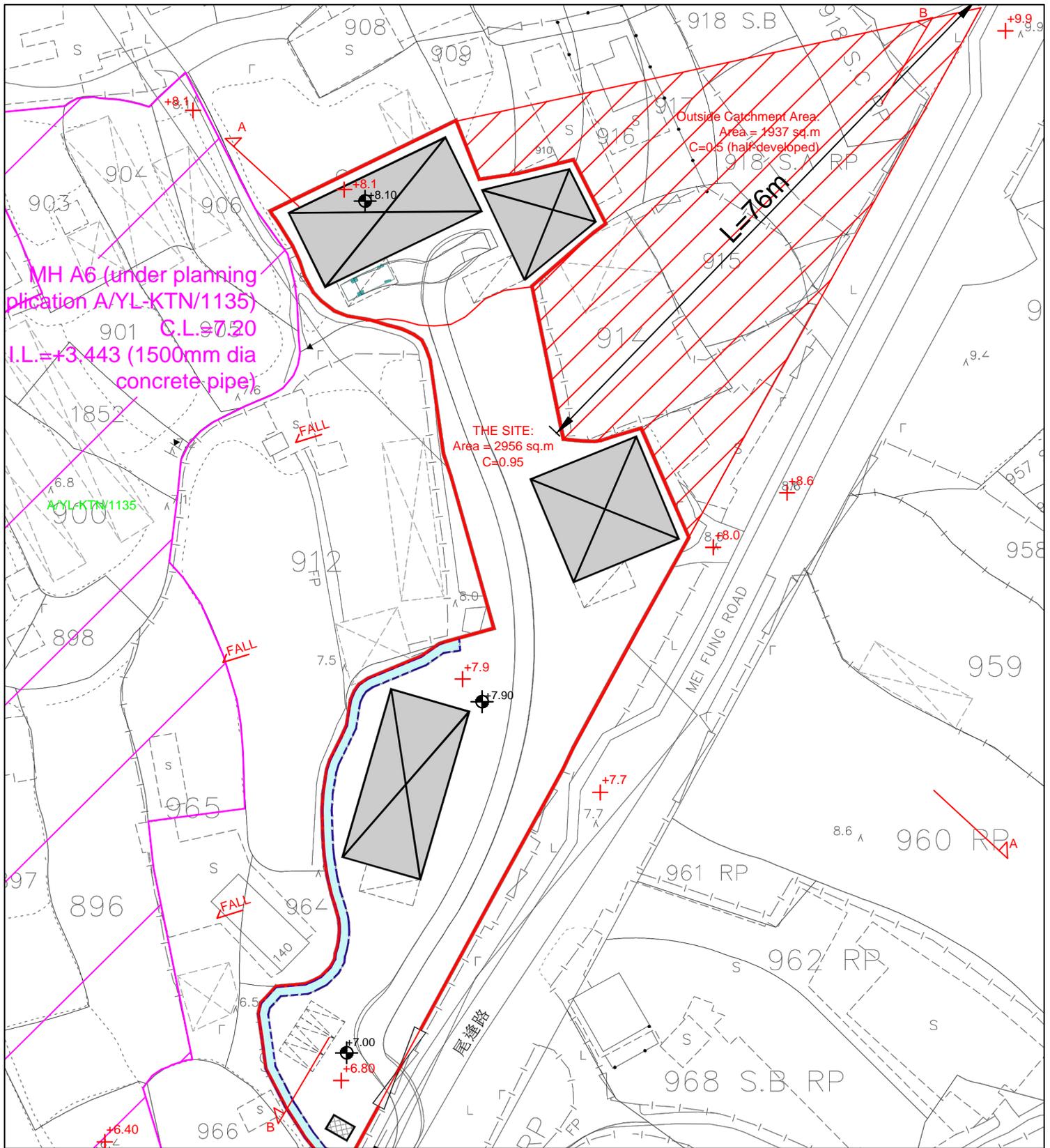
LEGEND

- CP Proposed CatchPit
- (a) Proposed 450UC (1:150) with Cast Iron Cover
- (b) Proposed 1.5m dia. concrete pipe (1:275) to replace existing stream
- +6.80 Existing Level
- +7.00 Proposed Formation Level



TYPICAL DETAIL OF OPEN-BOTTOM TYPE FENCE WALL

<h1>正宏工程顧問公司</h1> <p>CHING WAN ENGINEERING CONSULTANT COMPANY</p>	Title: Drainage Proposal - LAYOUT		D01
	Drawn by: DM	Date: 11-2-2026	
Project: PROPOSED TEMPORARY WAREHOUSE (EXCLUDING DANGEROUS GOODS GODOWN) WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS at LOTS 907 (PART), 911, 912 (PART), 913 RP (PART), 960 RP, 961 RP, 962 RP (PART), 963 RP (PART), 967 RP (PART) IN D.D. 107, KAM TIN, YUEN LONG, NEW TERRITORIES (Application Number:)	Check by: DM	Scale: ----	



正宏工程顧問公司

CHING WAN ENGINEERING CONSULTANT COMPANY

Project:
PROPOSED TEMPORARY WAREHOUSE (EXCLUDING DANGEROUS GOODS GODOWN) WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS at LOTS 907 (PART), 911, 912 (PART), 913 RP (PART), 960 RP, 961 RP, 962 RP, 963 RP (PART), 967 RP (PART) IN D.D. 107, KAM TIN, YUEN LONG, NEW TERRITORIES
(Application Number:)

Title:

Drainage Proposal -
 CATCHMENT AREA PLAN

D02

Drawn by:

DM

Date:

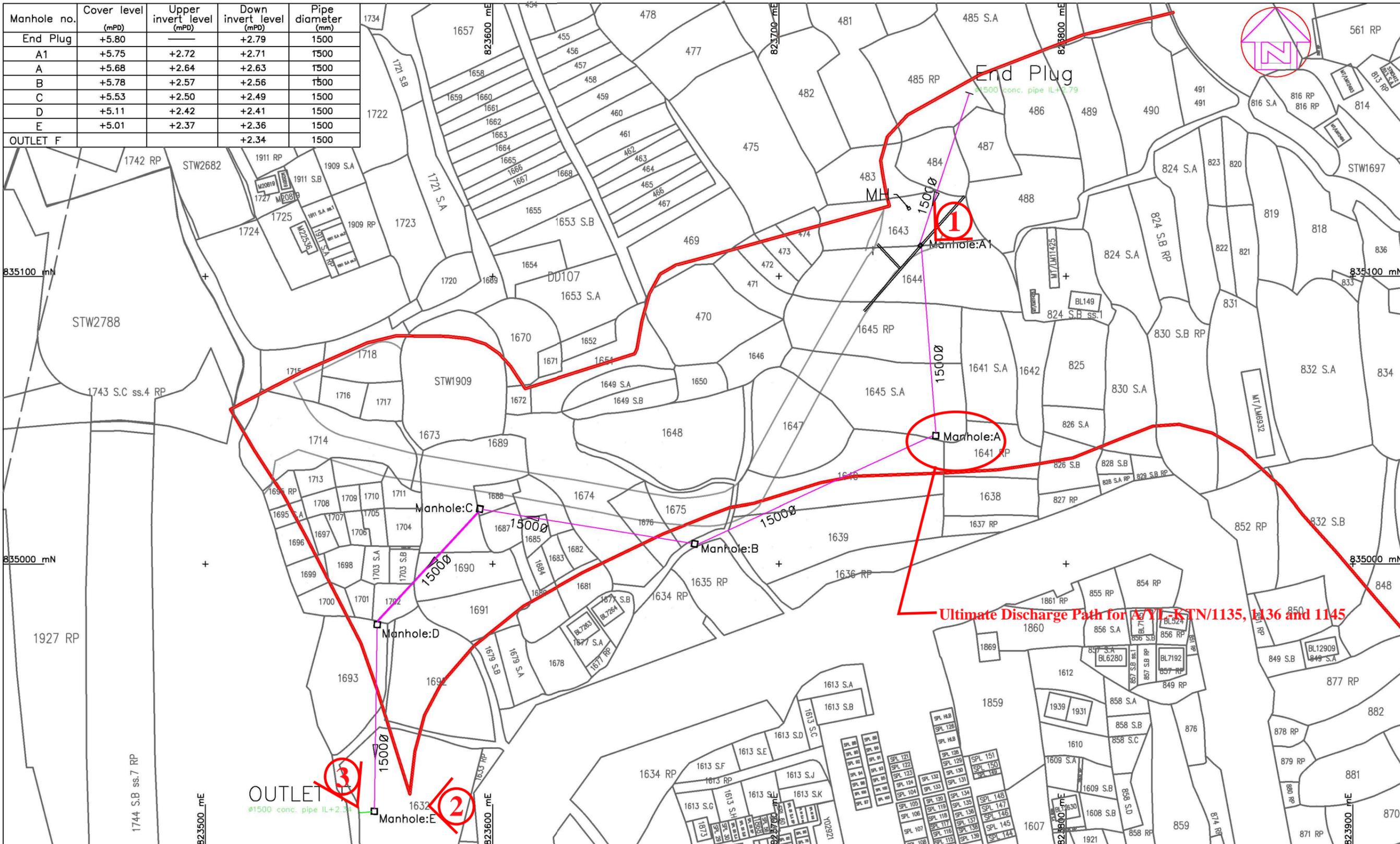
11-2-2026

Check by:

DM

Scale:

Manhole no.	Cover level (mPD)	Upper invert level (mPD)	Down invert level (mPD)	Pipe diameter (mm)
End Plug	+5.80		+2.79	1500
A1	+5.75	+2.72	+2.71	1500
A	+5.68	+2.64	+2.63	1500
B	+5.78	+2.57	+2.56	1500
C	+5.53	+2.50	+2.49	1500
D	+5.11	+2.42	+2.41	1500
E	+5.01	+2.37	+2.36	1500
OUTLET F			+2.34	1500



PROJECT: DD107



大輝測量工程公司
BIG FAI SURVEYING & ENGINEERING CO.

DRAWING TITLE:

Dwg No : BF-20250809

Rev. A

Drawn By : LUNG

Design By :

Scale : 1:1250 (A3)

Date : 15-Oct-2025

Photo 1 showing Ex. MH A1



Photo 2 showing the last Manhole MH E



Photo 3 showing the Ultimate Outfall



Outside Catchment Area, Area = 1937 m² (C= 0.5) L= 76 m
 THE SITE, Area = 2956 m² (C= 0.95)

Calculation of Design Runoff of the Proposed Development.

For the design of drains inside the site

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

$$A = 2956 + 29137 \text{ m}^2$$

$$= 4893$$

$$= 0.004893 \text{ km}^2$$

$$t = 0.14465 L / H^{0.2} A^{0.1}$$

$$= 0.14465 * 76 / (1^{0.2} * 4893^{0.1})$$

$$= 4.701 \text{ min}$$

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

$$= 1.16 * 505.5 / (4.701 + 3.29)^{0.355}$$

$$= 280.4 \text{ mm/hr}$$

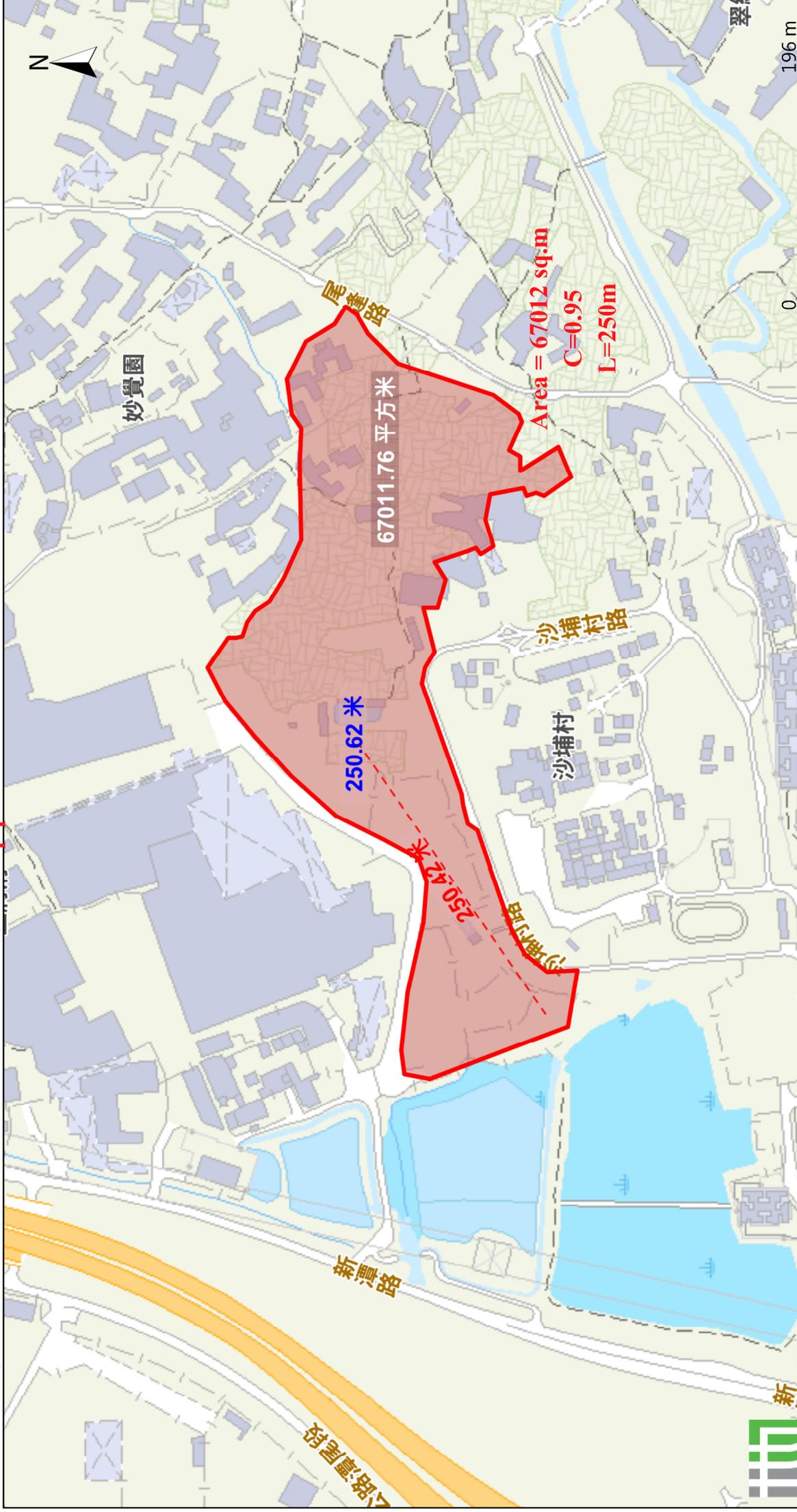
Therefore, $Q1 = 0.278 * 0.95 * 280.4 * 0.002956 + 0.278 * 0.5 * 280.4 * 0.001937$

$$= 0.2944 \text{ m}^3/\text{sec}$$

$$= \underline{17663} \text{ lit/min}$$

Provide 450UC (1:150) is OK

Catchment Area Plan for 1500mm dia. concrete pipe



Outside Catchment Area 1 , Area = 67012 m² (C= 0.95) L1= 250 m

Calculation of Design Runoff of the Proposed Development.

For the design of drains for 1500mm dia. concrete pipe

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

$$\begin{aligned} A &= 67012 \text{ m}^2 \\ &= 67012 \\ &= 0.067012 \text{ km}^2 \end{aligned}$$

$$\begin{aligned} t &= 0.14465 L1/H^{0.2} A^{0.1} \\ &= 0.14465 * 49/1^{0.2} * 67012^{0.1} \\ &= 11.903 \text{ min} \end{aligned}$$

$$\begin{aligned} i &= 1.16^a / (t+b)^c \\ &= 1.16 * 505.5 / (11.903 + 3.29)^{0.355} \quad \text{(50 yrs return period, Table 3a, Corrigendum 2024, SDM) and (16% increase due to climate change)} \\ &= 223.2 \text{ mm/hr} \end{aligned}$$

$$\begin{aligned} \text{Therefore, } Q &= 0.278 * 0.95 * 223.2 * 0.067012 \\ &= 3.9502 \text{ m}^3/\text{sec} \\ &= \mathbf{237013} \text{ lit/min} \end{aligned}$$

Check 1500mm dia. Pipes by Colebrook-White Equation

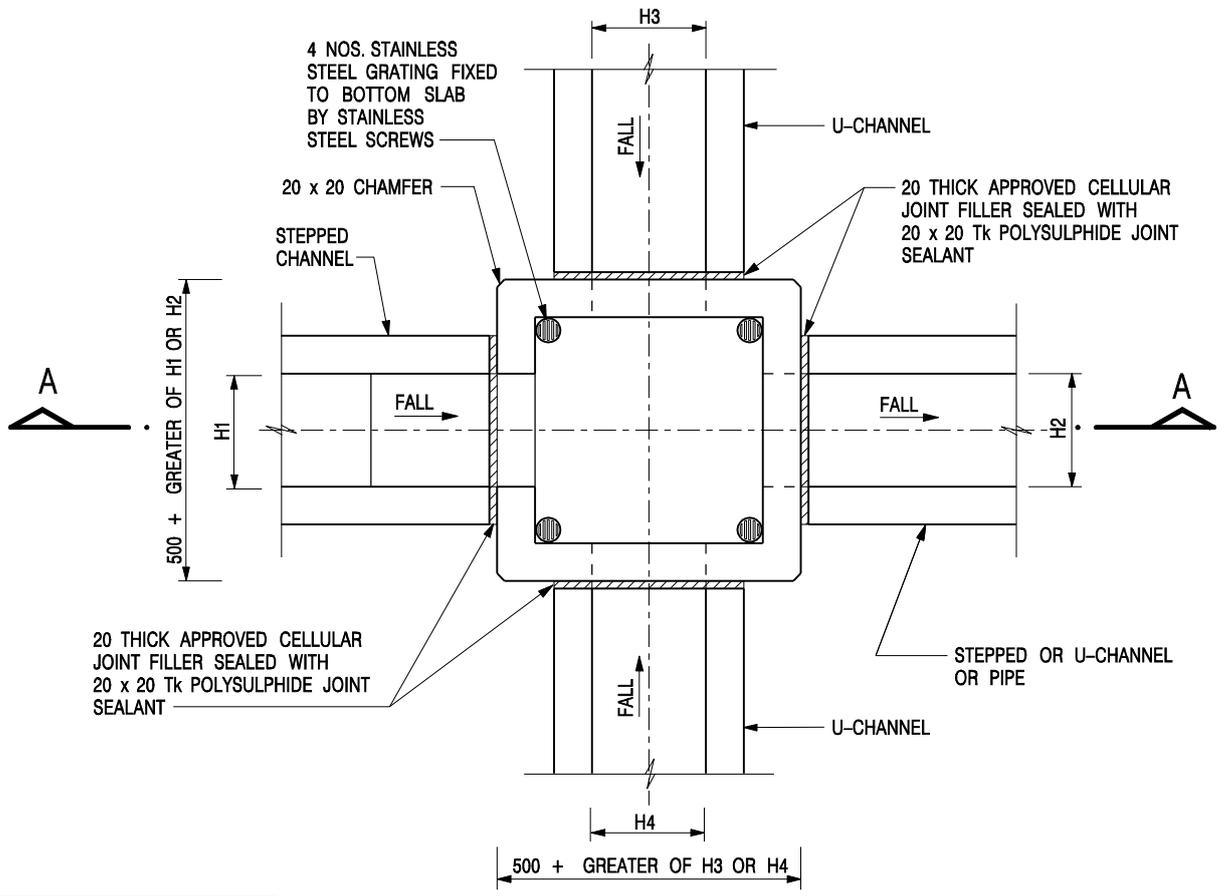
$$V = -\sqrt{(8gDs)} \log\left(\frac{ks}{3.7D} + \frac{2.51v}{D\sqrt{(2gDs)}}\right)$$

where :

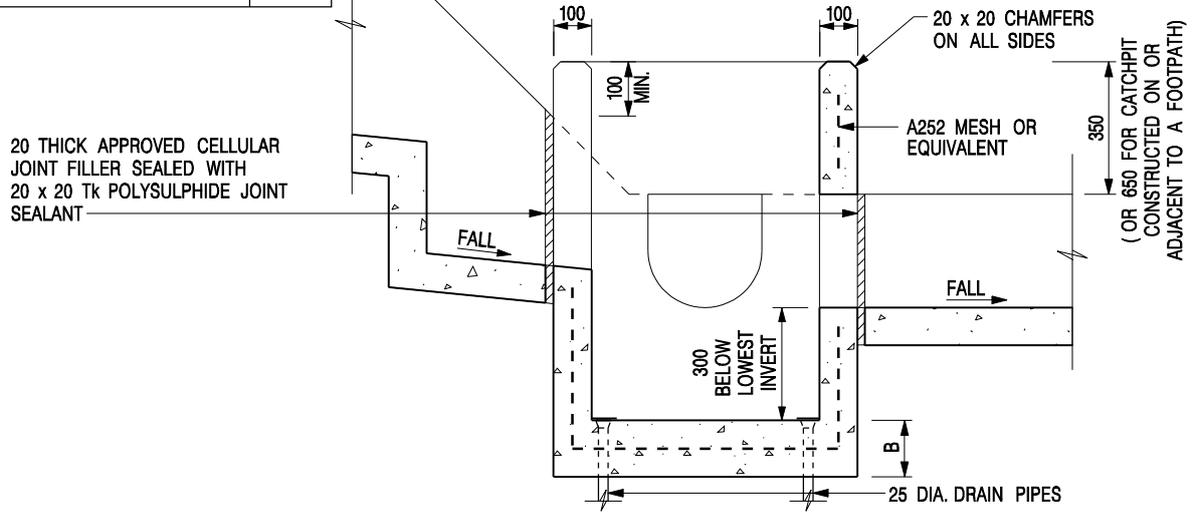
V	=		mean velocity (m/s)
g	=	9.81	m/s ² gravitational acceleration (m/s ²)
D	=	1.5	m internal pipe diameter (m)
ks	=	0.00015	m hydraulic pipeline roughness (m) (Table14, from DSD SDM 2018, concrete pipe)
v	=	1.14E-06	m ² /s kinematic viscosity of fluid (m ² /s)
s	=	0.0036364	hydraulic gradient (1: 275)

Therefore, design V of pipe capacity = 2.93 m/s

Q= 0.8VA	(0.8 factor for sedimentation)
= 4.147	m ³ /s
= 248814	lit/min
> 237013	lit/min Ok



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



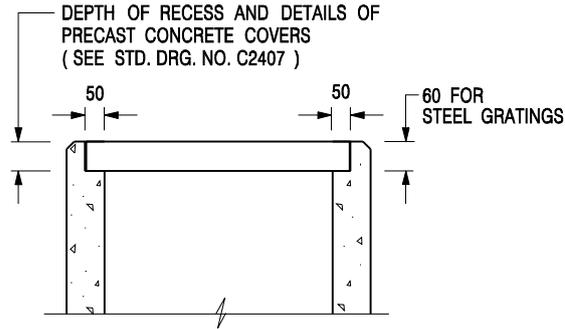
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. REFER TO SHEET 2 FOR OTHER NOTES.

-	FORMER DRG. NO. C2406J.	Original Signed	03.2015
REF.	REVISION	SIGNATURE	DATE

CATCHPIT WITH TRAP
(SHEET 1 OF 2)

CEDD **CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT**

SCALE 1 : 20 **DRAWING NO.**
DATE JAN 1991 **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	DRAWING NO. C2406 /2A
DATE JAN 1991	

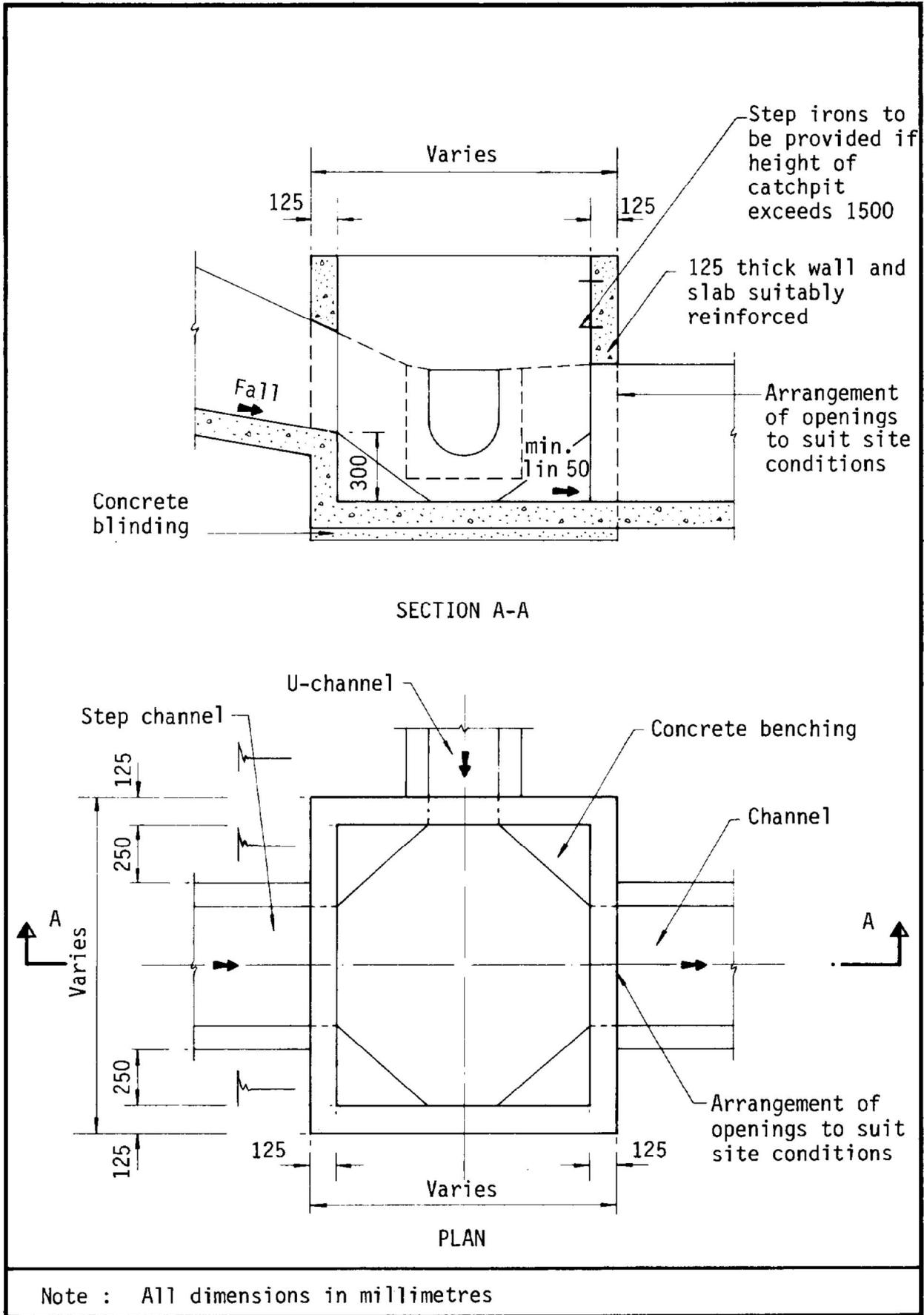
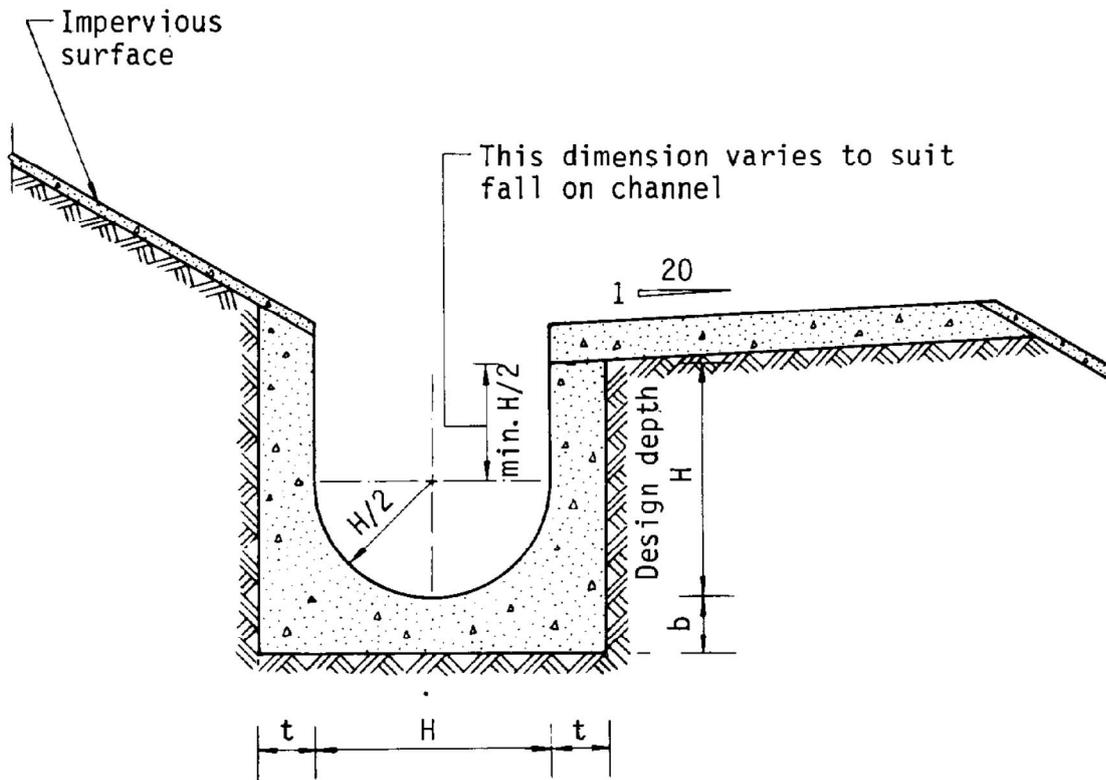


Figure 8.10 - Typical Details of Catchpits



Dimensions of U - channel

Nominal size of channel H (mm)	Thickness t (mm)	Thickness b (mm)
225 to 600	150	150
675 to 1200	175	225

Figure 8.11 - Typical U-channel Details

Appendix B

Letter from CLP regarding the Proposed Realignment of the Overhead Electricity Lines

YC Development (Hong Kong) Limited

本函編號： YL2025031901

敬啟者：

有關申請遷移中電電力設備

DD 107 Lot 960 RP, Fung Kut Heung, Kam Tin, Yuen Long, New Territories
(檔案編號: 2009114084)

本公司已收到 閣下要求遷移上述電力設備的申請。就上述事宜，本公司現正處理 閣下之要求，並在切實可行的情況下盡快安排遷移有關之木棟在上述地點設施的工程。

請注意，在有關遷移工程開展前，本公司必須要取得有關政府部門的許可證，及/或在鋪設地下電纜的指定路線範圍內之任何鄰近私人物業業主的同意及許可。就此，本公司可能需要 閣下協助以便工程能夠順利展開。

同時，若 閣下已聘請或需要聘請承辦商在本公司進行遷移電力設備工程的地點或附近進行工程或挖掘工作，基於安全考慮，閣下及 閣下之承辦商需特別注意，應避免在本公司的電力設備附近進行任何工作或挖掘工程。若必需要進行有關工程，須預先通知本公司，並請確保在進行該等工程期間，均須遵守機電工程署的《供電電纜(保護)規例》及《有關在供電電纜附近工作的實務守則》。



續第一頁

本函編號： YL2025031901

如閣下對本函內容有任何疑問或需要有關此遷移事宜的任何進一步資料，請致電 [REDACTED] 或電郵 [REDACTED] 與本公司工程師李國剛先生聯絡。

如欲查詢有關此遷移工程的進度，請致電 [REDACTED] 或電郵 [REDACTED] 與本公司工程師蘇偉成先生聯絡。



朱致華

首席規劃及設計經理 (北區)

2025年5月14日

tc/~~kl~~/cl/yh
w

