
寄件者: Tang Lok San [REDACTED]
寄件日期: 2025年11月12日星期三 10:39
收件者: tpbpd/PLAND
副本: Andrea Wing Yin YAN/PLAND
主旨: S. 16 Planning Application No. A/YL-KTN/1181 - Departmental Comments
附件: AYL-KTN 1181 20251111.pdf

類別: Internet Email

Town Planning Board,

Thank you for the email. Please see the attachment for the further information on the comment from EPD and DSD. Please contact Mr. Tang via email [REDACTED] if you have any question regarding to the captioned application.

Yours sincerely,
Mr. Tang

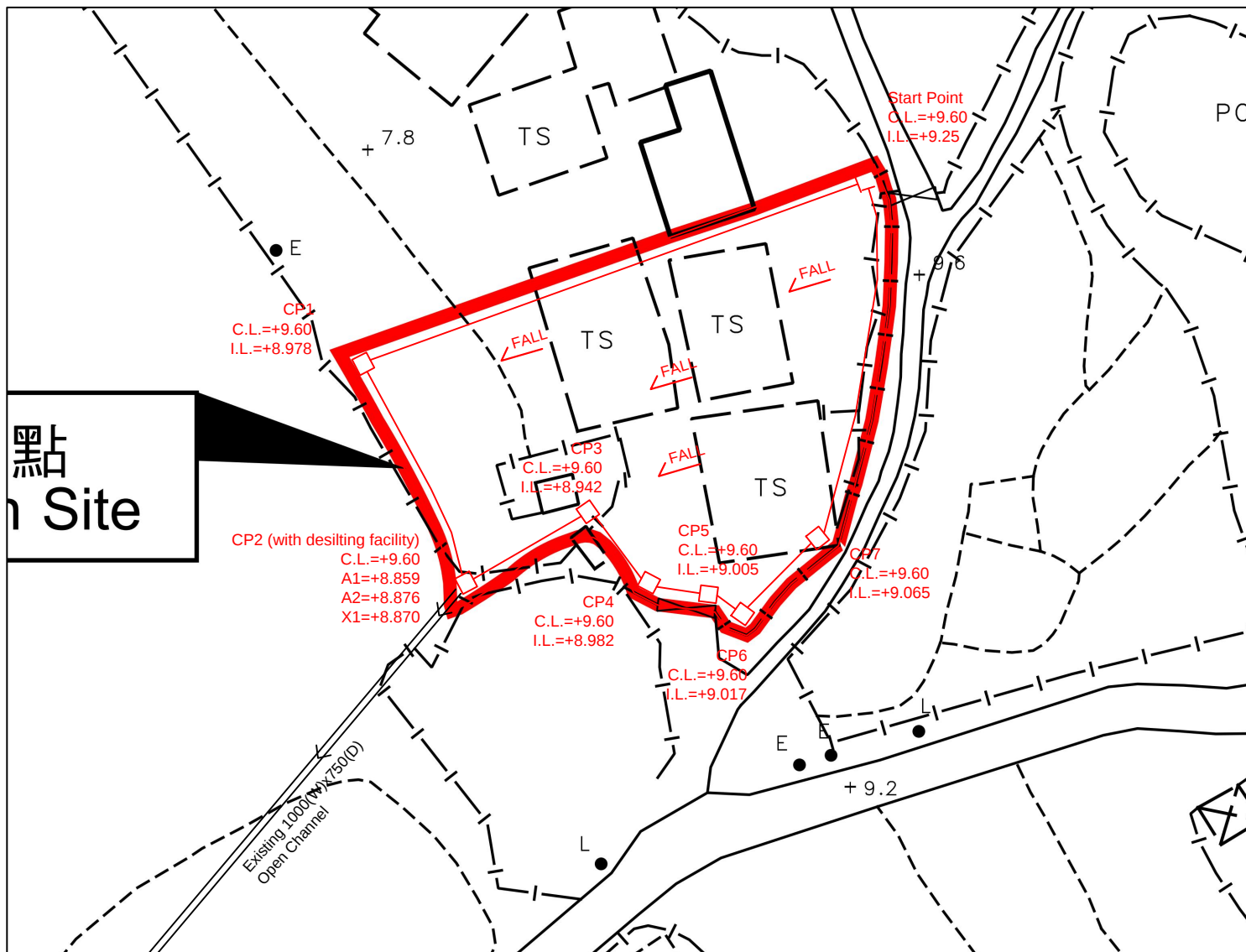
環保署及城市規劃委員會：

有關環保署對 A/YL-KTN/1181 的查詢

現場會存放金屬、膠喉及建築材料，例如排水管、水喉及電箱、升降台等。

申請範圍內不會儲放沙或其他多塵的材料。

希望此附加文件能釋除 貴署的隱憂，並支持本申請。



Note:

1. Catchpits (CP2) with desilting facility shall follow CEDD standard drawing No. C2406I.

2. Catchpit and UC follows Typical Details of Geotechnical Manual for Slope Fig.8.10 and Fig.8.11 respectively.

3. Fence Wall to be erected (if any) shall be Open-bottom type.

4. Minor filling works to be carried out to leveling the site. Existing Formation Level is +9.2~+9.40mPD. Proposed Formation Level is +9.60mPD.



Proposed CatchPit



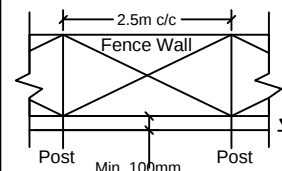
Proposed 300UC (1:150) with Cast Iron Cover



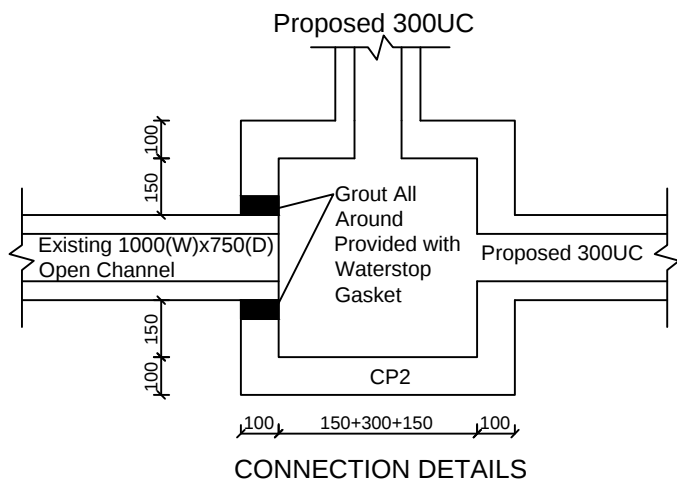
Existing 1000(W)x750(D) Open Channel



Fall Direction



G.L.
TYPICAL DETAIL OF OPEN-BOTTOM TYPE FENCE WALL



恆協工程有限公司

HANDSHIP ENGINEERING COMPANY LIMITED

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)

Title:

Drainage Proposal - LAYOUT

D01

Drawn by:

DM

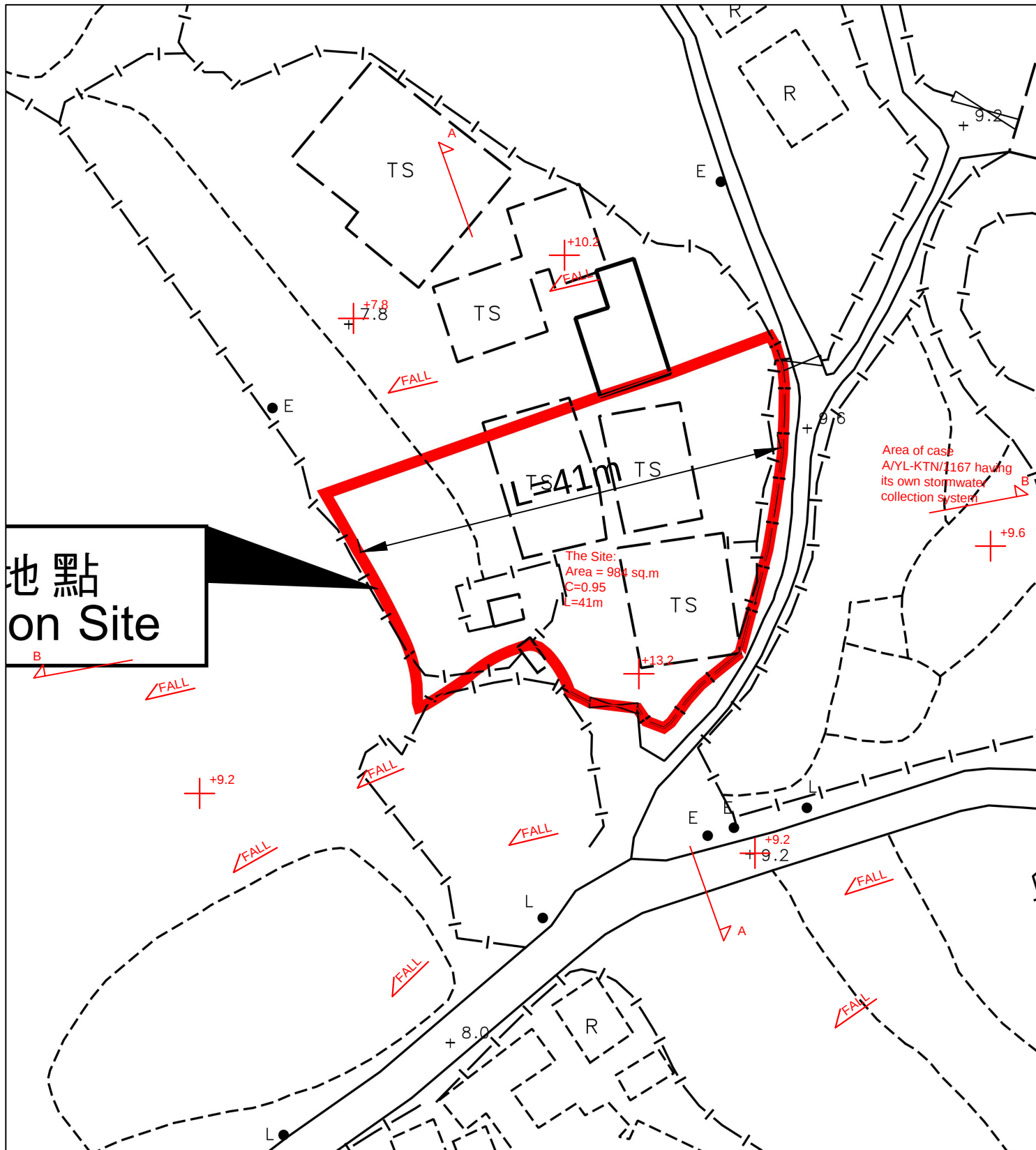
Date:

10-11-2025

Check by:

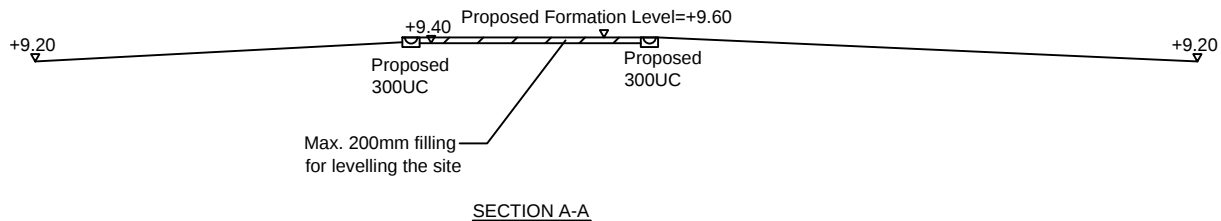
DM

Scale:



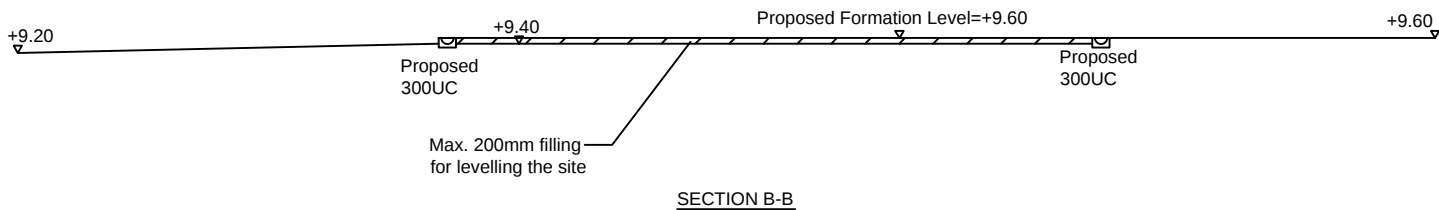
正宏工程顧問公司 CHING WAN ENGINEERING CONSULTANTS CO.	Title: Catchment Area Plan		D02
Project: Proposed Temporary Open Storage and Associated Filling of Land for a Period of 3 Years at Lot 1435 (Part) in D.D. 107, Kam Tin, Yuen Long, New Territories (Application No.:A/YL-KTN/1181)	Drawn by: DM	Date: 10-11-2025	
	Check by: DM	Scale: ----	

THS SITE



THS SITE

Area of case
A/YL-KTN/1167 having
its own stormwater
collection system



恆協工程有限公司

HANDSHIP ENGINEERING COMPANY LIMITED

Title:

SECTIONS

D03

Drawn by:

DM

Date:

10-11-2025

Check by:

DM

Scale:

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)

THE SITE, Area = 984 m² (C= 0.95)

Calculation of Design Runoff of the Proposed Development,

For the design of drains inside the site

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

$$\begin{aligned} A &= 984 \text{ m}^2 \\ &= 0.000984 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} t &= 0.14465 L / H^{0.2} A^{0.1} \\ &= 0.14465 * 41 / 1^{0.2} * 984^{0.1} \\ &= 2.977 \text{ min} \end{aligned}$$

$$\begin{aligned} i &= 1.16 * a / (t + b)^c && (50 \text{ yrs return period, Table 3a, Corrigendum 2024,} \\ &= 1.16 * 505.5 / (2.977 + 3.29)^{0.355} && \text{SDM) and (16\% increase due to climate change)} \\ &= 305.6 \text{ mm/hr} \end{aligned}$$

Therefore,

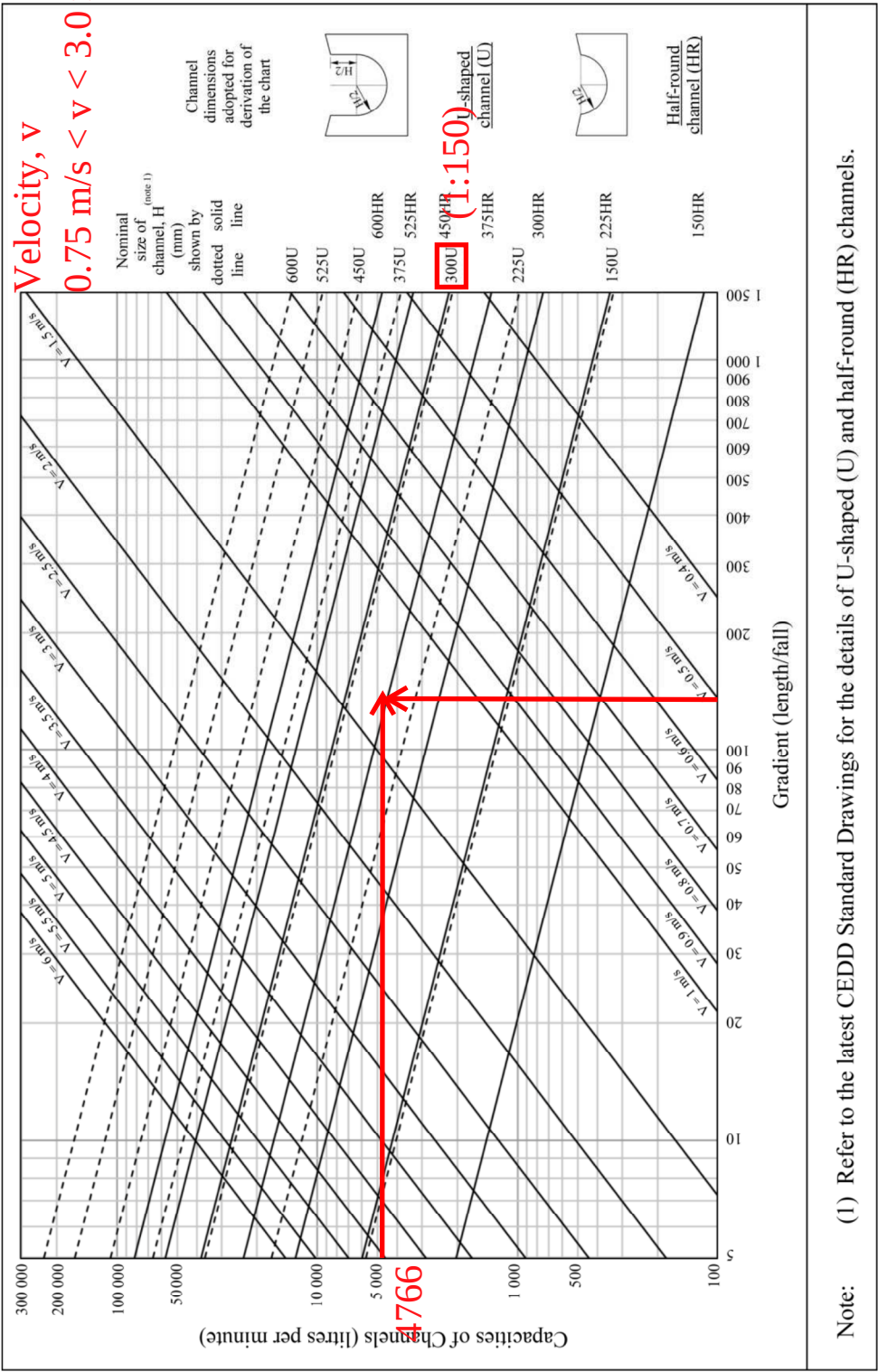
$$\begin{aligned} Q &= 0.278 * 0.95 * 305.6 * 0.000984 \\ &= 0.0794 \text{ m}^3/\text{sec} \\ &= \underline{4766} \text{ lit/min} \end{aligned}$$

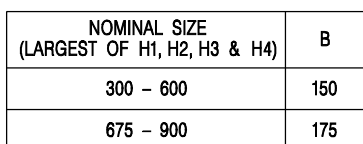
Provide 300UC (1:150) is OK

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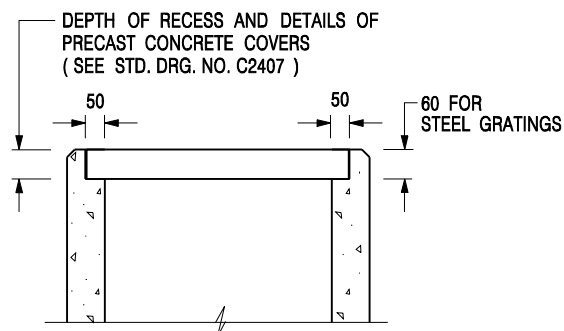
Figure 1 - Chart for the rapid design of U-shaped and half-round channels up to 600 mm





- 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		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

DATE JAN 1991

DRAWING NO.

C2406 /2A

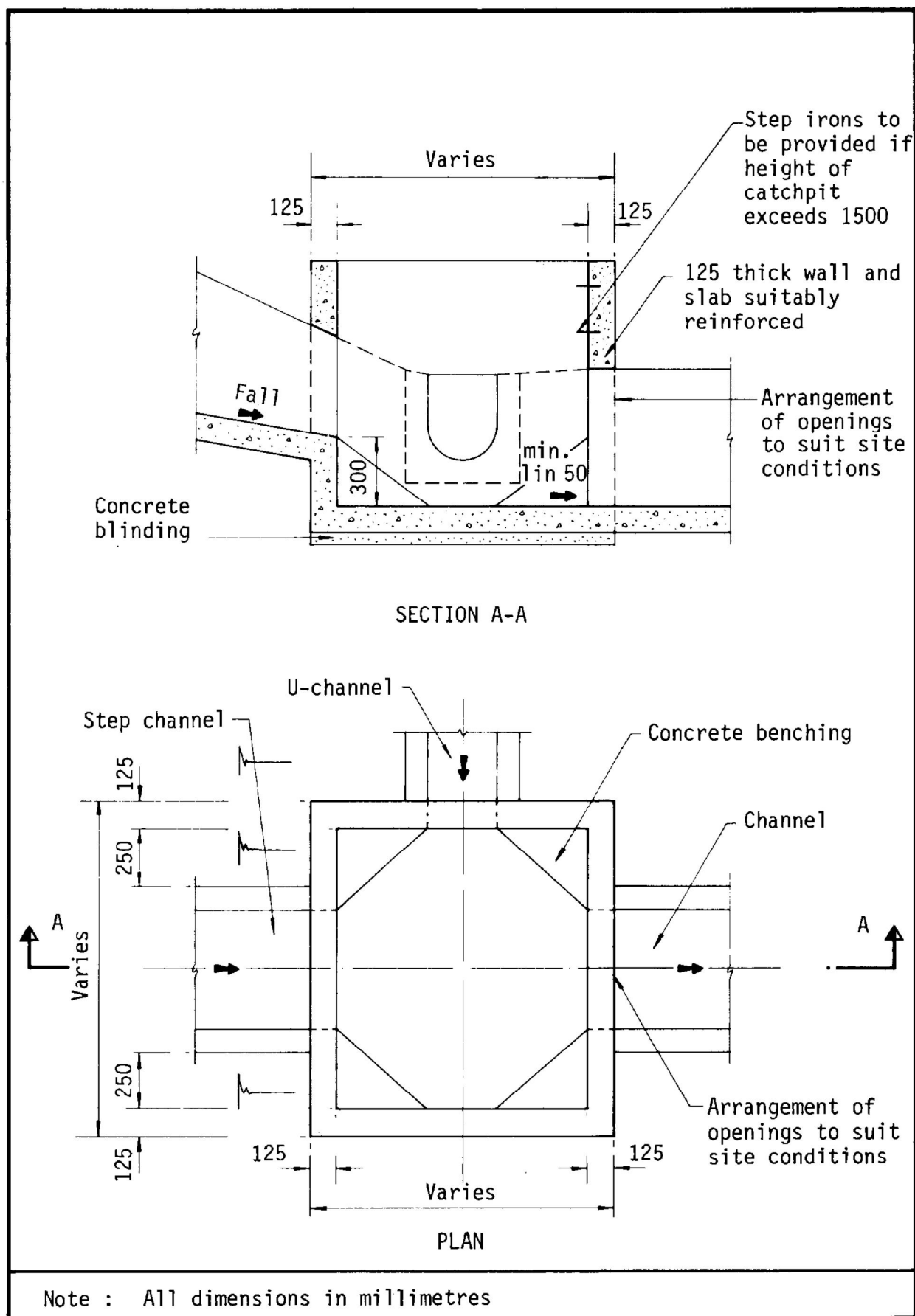


Figure 8.10 - Typical Details of Catchpits

