

寄件者: [REDACTED]
寄件日期: 2025年10月29日星期三 18:34
收件者: tpbpd/PLAND
副本: Momo Hei Ching CHOW/PLAND
主旨: Re: 回覆: 提交新第16條規劃申請編號A/YL-TT/722的軟複本
附件: 渠務報告722.pdf

類別: Internet Email



致：規劃處

檔案號碼：A/YL-TT/722

本人希望回收27/10/2025 晚上傳送給貴處的電郵，並以今天這封電郵取代。

就貴處較早之前的查詢，現回覆如下：

(1) 分開申請原因

由於是次申請地段涉及不同業權，分開申請可避免將來如有部份業權人士放棄經營而影響此牌照的適用範圍。

(2) 有關上次申請臨時停車場已獲批准（TPB/A/YL-TT/624）但最後沒有做渠務報告的原因

由於有部份業權人士在申請後退出，不願意再經營臨時停車場。以致在原有的申請中，某些地段已不再屬於將會經營的停車場範圍，若當時按照原有的申請範圍做渠務報告，會出現不準確性。所以決定重新申請後並獲得批准，再為正確的地段和範圍做渠務報告。

有關以上申請的渠務報告亦已完成，現附上報告的檔案於此電郵給貴處審閱。

Best Regards,
Mr Cheung Chi Yan
Tel: [REDACTED]

毅達工程顧問有限公司
A-Tech Engineering Consultants Ltd.

Date: 27 October 2025

Planning Application No. A/YL/TT/722

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

Dear Sir/Madam,

Submission of Drainage Proposal

for Proposed Temporary Public Vehicle Park (Private Cars Only) at Lots 13 S.B.
and 13 S.E. in D.D. 117, Shui Tsiu San Tsuen, Yuen Long, New Territories

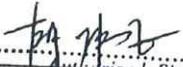
I refer to the captioned cases, I would like to submit the enclosed Drainage Proposal for your comment and approval

I am looking forward to your reply. Should you have any queries, please contact our Mr. Wu at phone no. [REDACTED]

Thank you for your kind attention.

Yours faithfully,
For and on behalf of
A-Tech Engineering Consultants Ltd.

For and on behalf of
A - TECH ENGINEERING CONSULTANTS LIMITED
毅達工程顧問有限公司


.....
Authorized Signature(s)

Mr. Wu Wai Ching
Project Manager

LEGEND

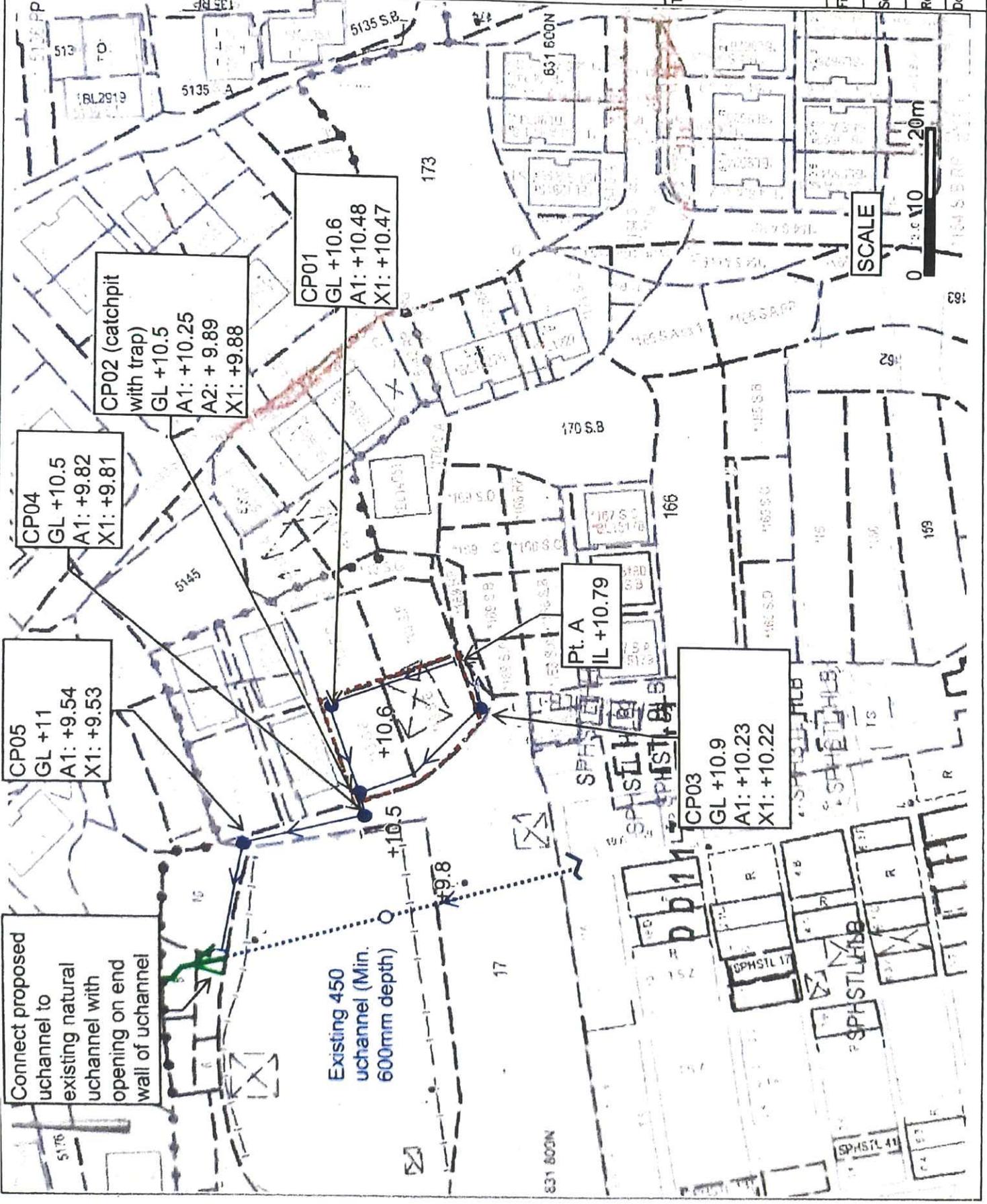
- Application Site
- Proposed Catchpit with steel grating cover
- Existing Catchpit
- Proposed 225 uchannel with grating cover
- Existing uchannel
- Existing natural stream

級達工程顧問有限公司
A-Tech ENGINEERING CONSULTANTS LTD.

PROJECT:
Application of Temporary Public Vehicle Park (Private Cars Only) at Lots 13 S.B. and 13 S.E. in D.D. 117, Shui Tsiu San Tsuen, Yuen Long, New Territories

TITLE:
Proposed Drainage Layout

File:	DWG NO.
Scale: N.T.S.	A-01
Rev.	
Date:	



LEGEND

- Application Site
- Proposed Catchpit with steel grating cover
- Existing Catchpit
- Proposed 225 uchannel with CI cover
- Existing uchannel

銳達工程顧問有限公司
A-TECH ENGINEERING CONSULTANTS LTD.

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TITLE:

Proposed Drainage Layout

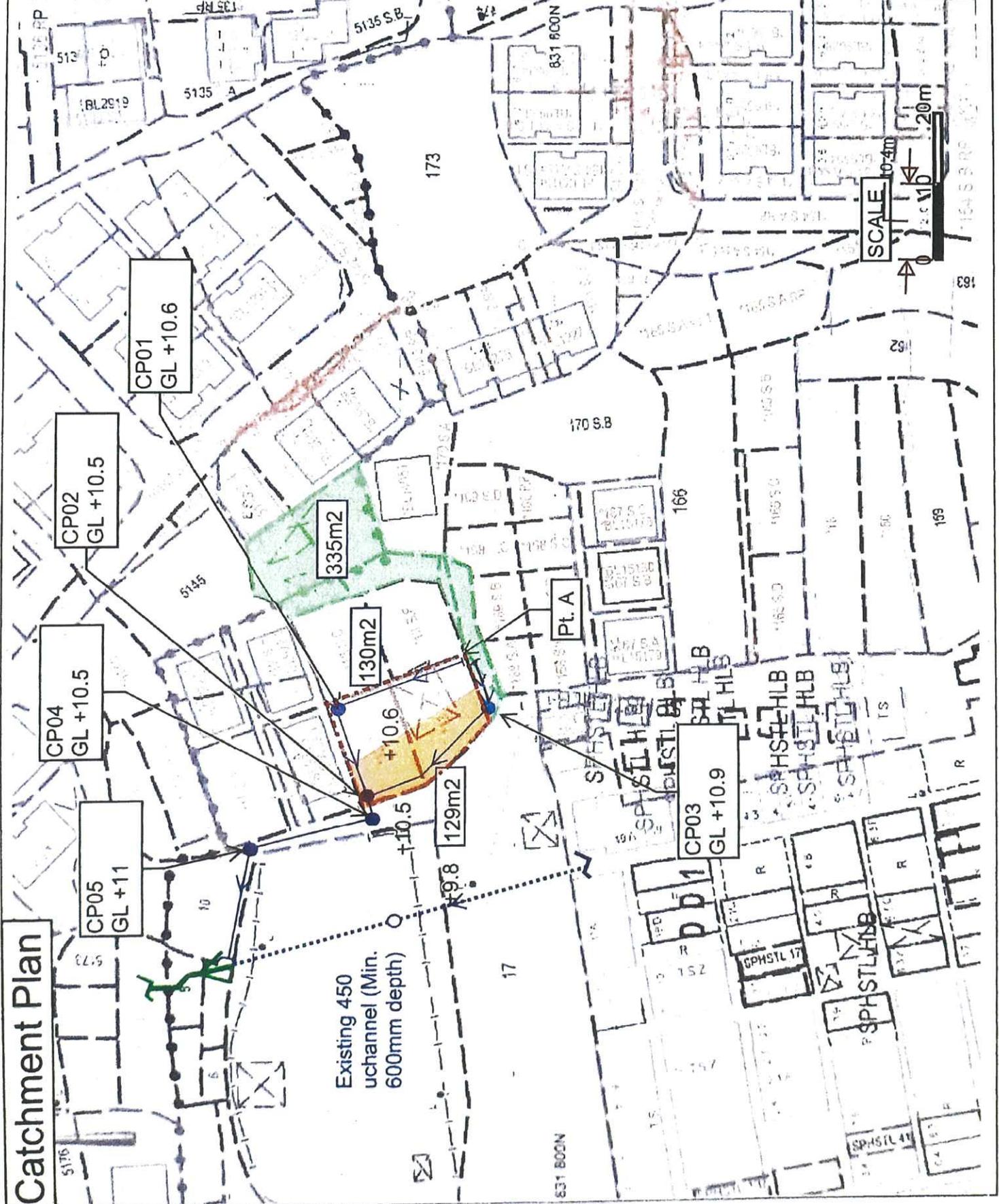
DWG NO. A-01

File:

Scale: N.T.S.

Rev.

Date:



Catchment Plan

Existing 450 uchannel (Min. 600mm depth)

SCALE 1:400
20m

U-channel design

1. Design return period =

1 in 50 year
506.5
3.3
0.4
1.0

2. Runoff coefficient, C, for paved area =

5.0
mm/hr

3. Time of concentration, t_d =

305.6

4. Rainfall intensity, i =

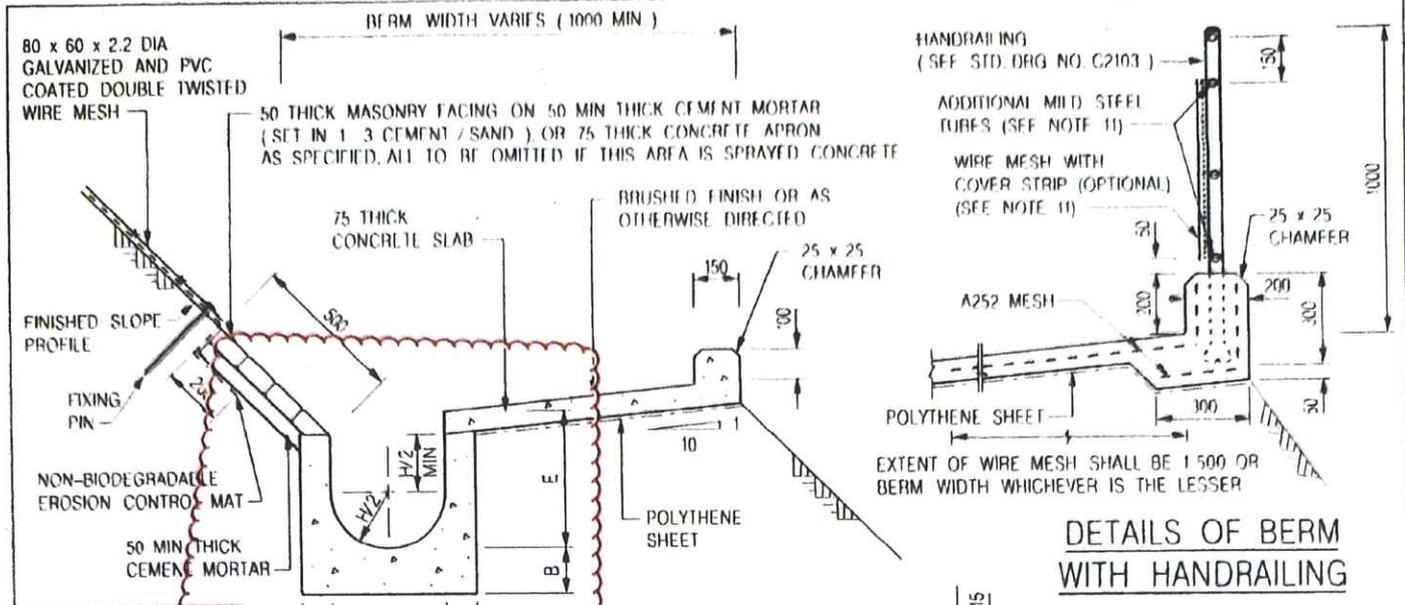
0.016

5. Manning's n - n

(with 12.1% design allowance and 16% End 21st century climate change allowance)

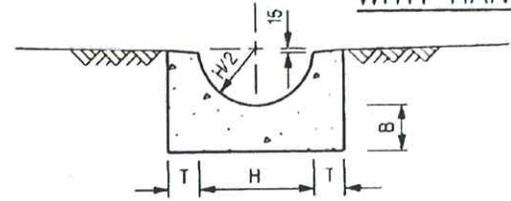
DSD SDM Table 13 Concrete lined channel in fair condition

Manning's Equation	PL A to CP01	CP01 to CP02	CP03 to CP02	CP02 to CP04	CP04 to CP05	CP04 to Outlet
	Proposed 225 U-Channel					
Channel Diameter - D (m)	0.725	0.725	0.725	0.725	0.725	0.725
Water Depth - y (m)	0.1125	0.725	0.725	0.725	0.725	0.725
Wetted Perimeter - P (m)	0.35	0.58	0.58	0.58	0.58	0.58
Cross Section Area of Flow Profile - A (m ²)	0.02	0.05	0.05	0.05	0.05	0.05
Hydraulic Radius - R (m)	0.06	0.06	0.06	0.06	0.06	0.06
Manning's n - n	0.016	0.016	0.016	0.016	0.016	0.016
Length of Channel Measured - L (m)	18.40	13.50	13.70	3.30	16.40	14.00
Upstream Ground Level (mPD)	10.90	10.60	10.90	10.50	10.50	11.00
Downstream Ground Level (mPD)	10.60	10.50	10.50	10.50	11.00	11.00
Upstream Invert Level (mPD)	10.79	10.47	10.22	9.86	9.81	9.83
Downstream Invert Level (mPD)	10.48	10.25	9.89	9.82	9.54	9.29
Channel Gradient - S [1 in X]	80	80	80	80	80	80
Channel Flow Capacity - Q (m ³ /s)	0.024	0.067	0.067	0.067	0.067	0.067
Velocity of Flow - v (m/s)	1.165	1.475	1.475	1.475	1.475	1.475
Design catchment (m ²)	131	260	295	295	305	305
Design flow to the channel (m ³ /s)	0.011	0.022	0.051	0.051	0.051	0.051
Capacity Check	OK	OK	OK	OK	OK	OK
Flow velocity > 0.75 m/s	OK	OK	OK	OK	OK	OK
Channel Utilization (%)	47.28	33.15	75.86	75.86	75.88	75.88



Similar details to be adopted for u-channel

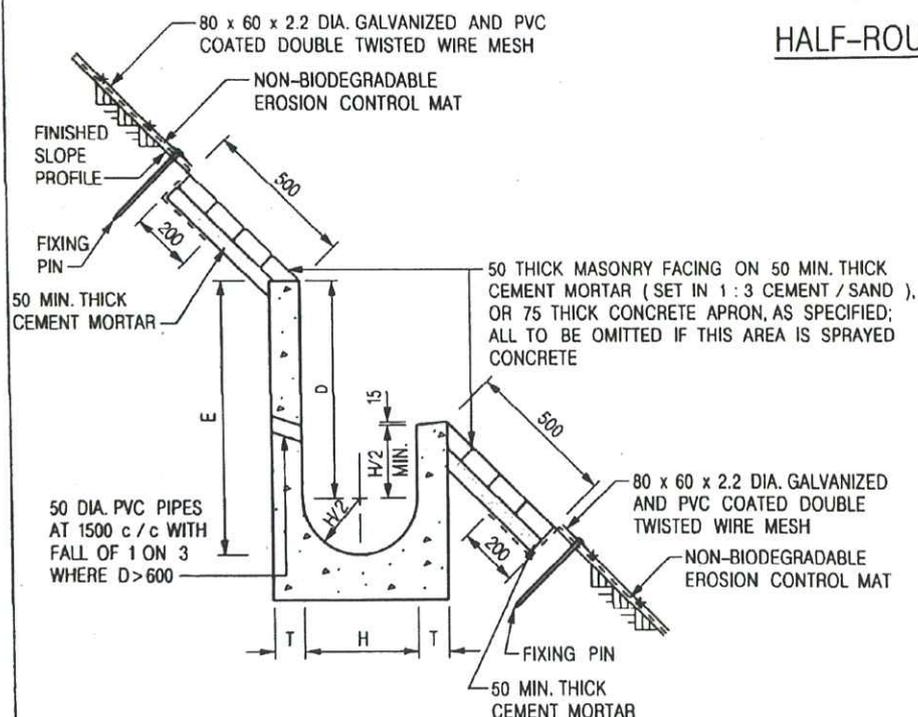
U-CHANNELS CONSTRUCTED ON BERM



HALF-ROUND CHANNEL

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL CONCRETE TO BE GRADE 20 / 20.
3. CONCRETE SURFACE FINISH SHALL BE CLASS U2, F2 OR BRUSHED FINISH AS DIRECTED.
4. SPACING OF EXPANSION JOINT IN CHANNELS, BERM SLABS AND APRONS TO BE 10 METRES MAXIMUM. SEE STD. DRG. NO. C2413 FOR DETAILS.
5. JOINTS FOR CHANNELS, BERM SLABS, APRONS AND WALLS, ETC. TO BE ON THE SAME ALIGNMENT.
6. FOR DIMENSIONS T, H, & B, SEE TABLE BELOW.
7. BIODEGRADABLE EROSION CONTROL MAT IF REQUIRED, SEE STD. DRG. NO. C2511/E.
8. CONCRETE TO BE COLOURED AS SPECIFIED.
9. CONCRETE U-CHANNEL CAN BE CAST IN-SITU OR PRECAST CONCRETE SUBJECT TO THE ENGINEER'S AGREEMENT ON THE DETAILS.
10. DETAILS OF EROSION CONTROL MAT AND WESH MESH ON BERM. (SEE STD. DRG. NO. C2511/E)
11. THE WIRE MESH ON HANDRAILING IS OPTIONAL. THE COVER STRIP AND ADDITIONAL MILD STEEL TUBES ARE NEEDED ONLY IF WIRE MESH IS PROVIDED. (SEE STD. DRG. NO. C2103)



U-CHANNELS NOT CONSTRUCTED ON BERM

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

REF.	REVISION	SIGNATURE	DATE
J	DETAILS OF HANDRAILING AMENDED.	Original Signed	08.2024
I	MINOR AMENDMENT.	Original Signed	07.2018
H	THICKNESS OF MASONRY FACING AMENDED.	Original Signed	01.2005
G	MINOR AMENDMENT	Original Signed	01.2004
F	GENERAL REVISION.	Original Signed	12.2002

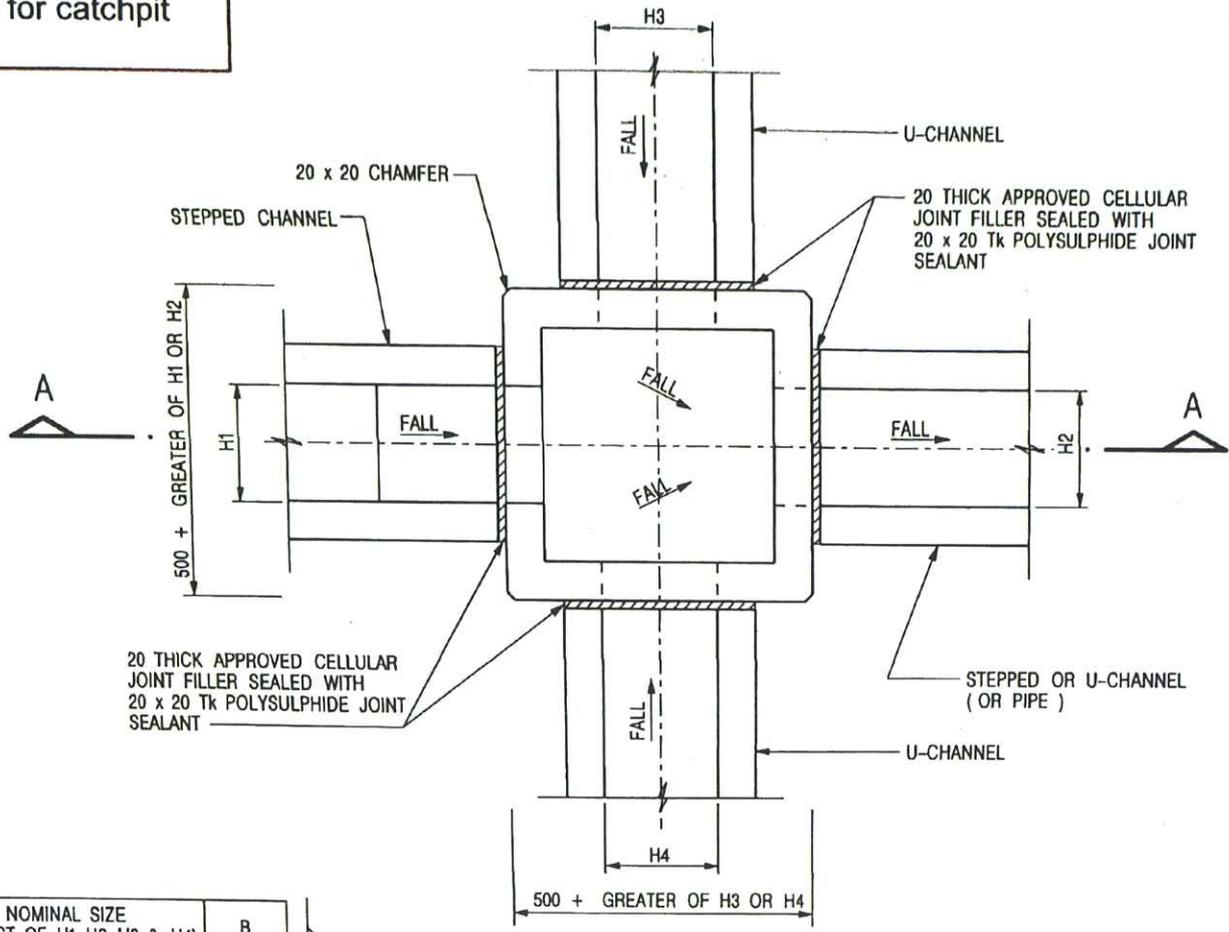
DETAILS OF HALF-ROUND AND U-CHANNELS (TYPE A - WITH MASONRY APRON)

CEDD
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 25 DRAWING NO. C2409J

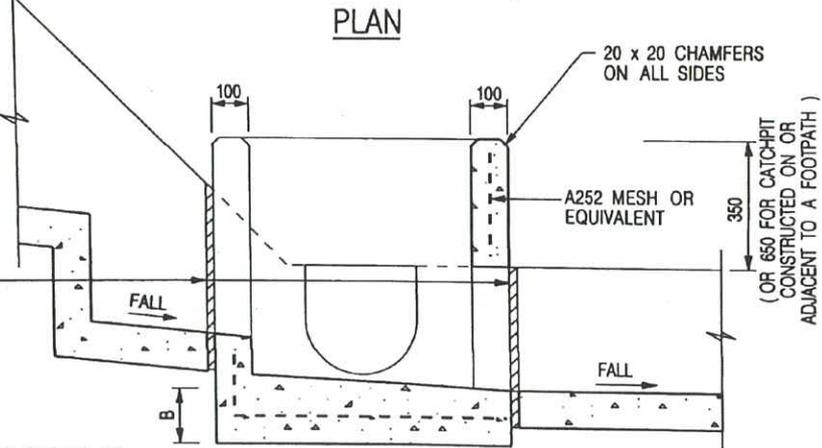
DATE JAN 1991

Typical details to be adopted for catchpit

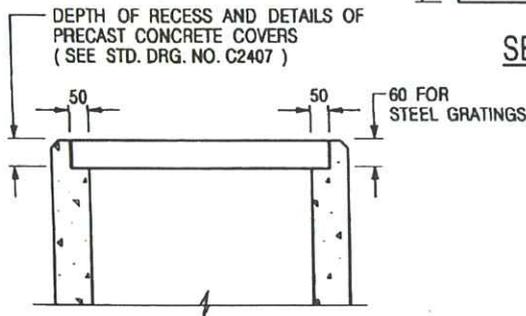


NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
300 - 600	150
675 - 900	175

20 THICK APPROVED CELLULAR JOINT FILLER SEALED WITH 20 x 20 Tk POLYSULPHIDE JOINT SEALANT



SECTION A - A



ALTERNATIVE TOP SECTION FOR PRECAST CONCRETE COVERS / GRATINGS

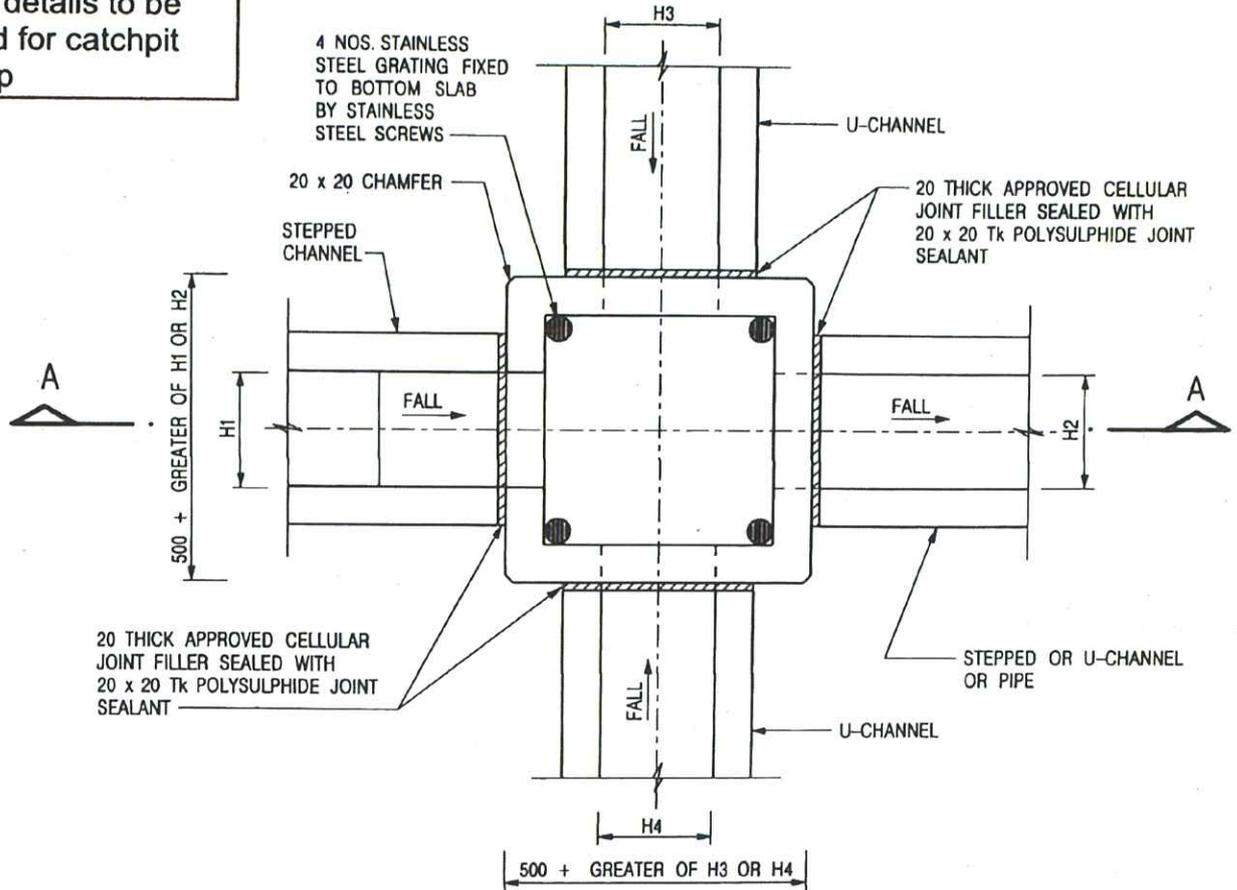
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFER TO SHEET 5 FOR OTHER NOTES.

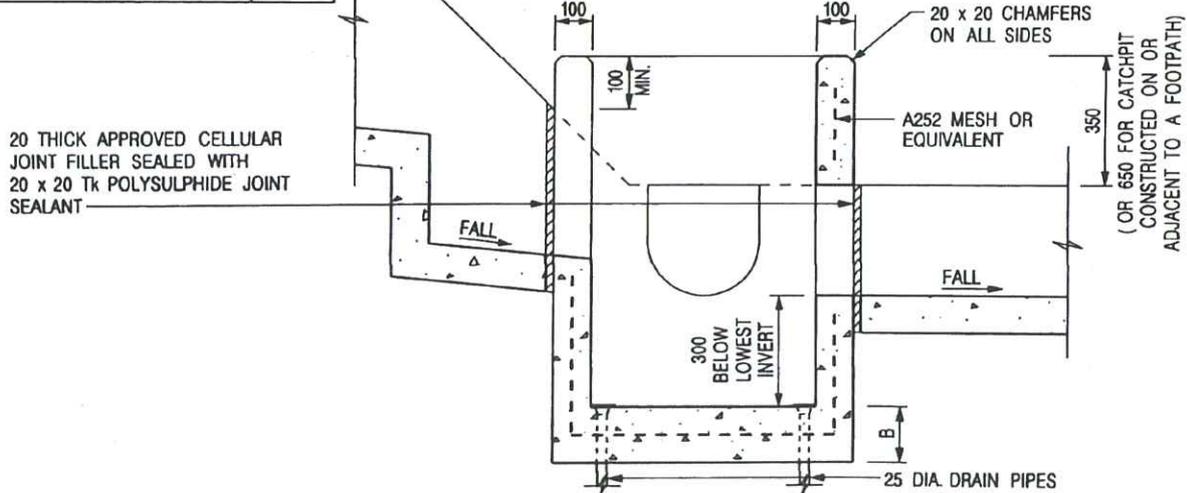
STANDARD CATCHPIT DETAILS
(SHEET 1 OF 5)

FORMER DRG. NO. C2405J.	Original Signed	03.2015
REF. REVISION	SIGNATURE	DATE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT		
SCALE 1 : 20	DRAWING NO. C2405 / 1	
DATE JAN 1991		
We Engineer Hong Kong's Development		

Typical details to be adopted for catchpit with trap



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



SECTION A - A

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)



CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

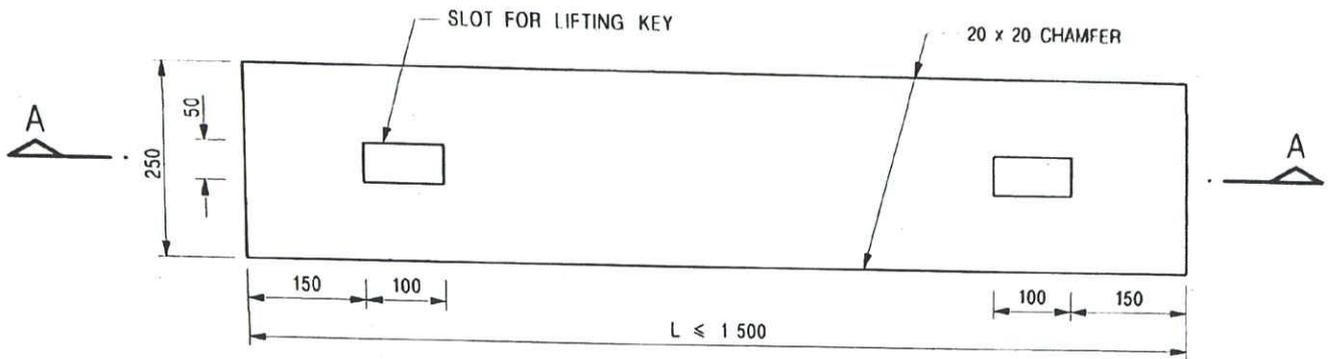
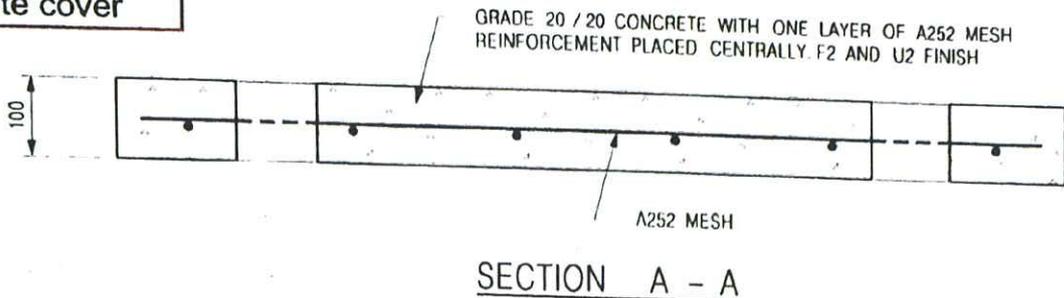
SCALE 1 : 20

DRAWING NO.

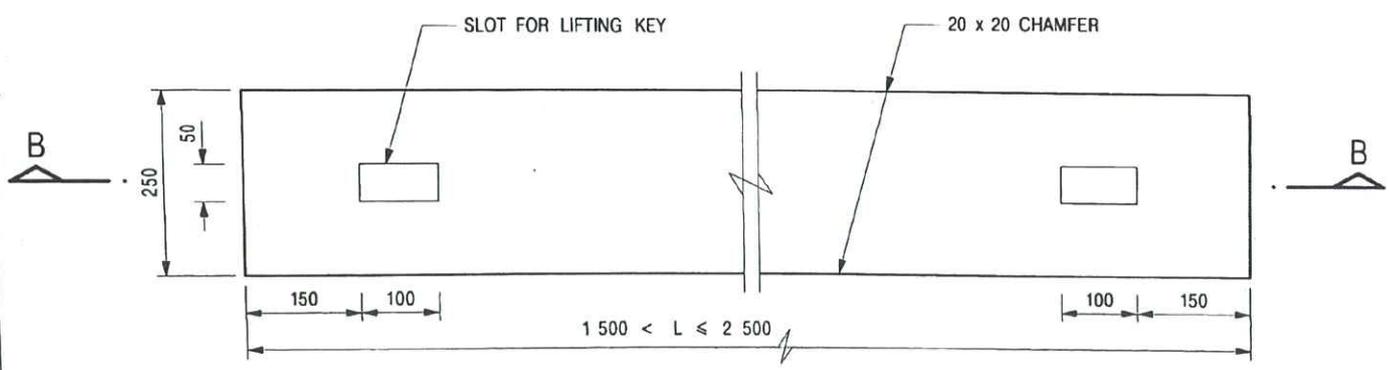
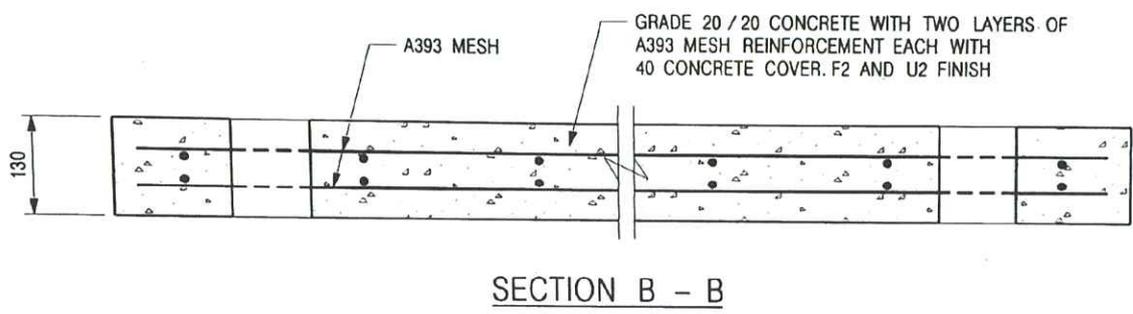
DATE JAN 1991

C2406 /1

Typical details to be adopted for catchpit With concrete cover



TYPE 1 - FOR SPAN UP TO 1.5 m



TYPE 2 - FOR SPANS 1.5 m TO 2.5 m

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL EXTERNAL EDGES OF THE COVERS SHALL BE 20mm CHAMFERED.

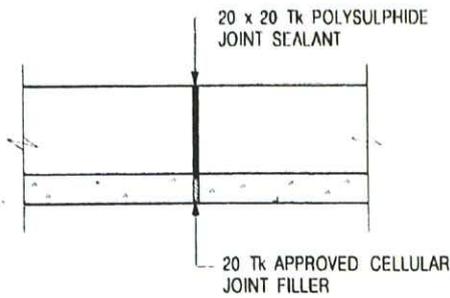
B	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
A	GENERAL REVISION	Original Signed	12.2002
REF.	REVISION	SIGNATURE	DATE

PRECAST CONCRETE COVERS
FOR CATCHPIT AND SAND TRAP

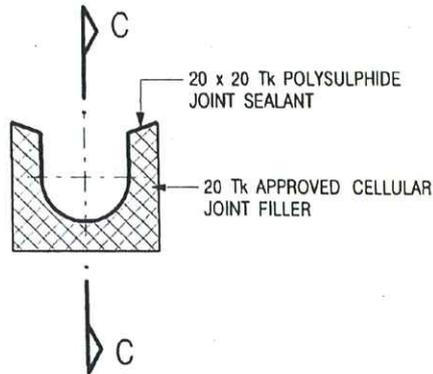
CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 10
DATE JAN 1991

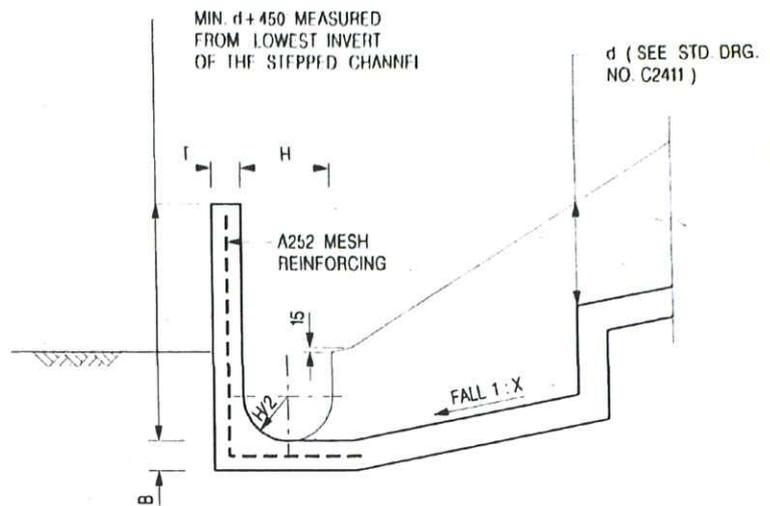
DRAWING NO.
C2407B



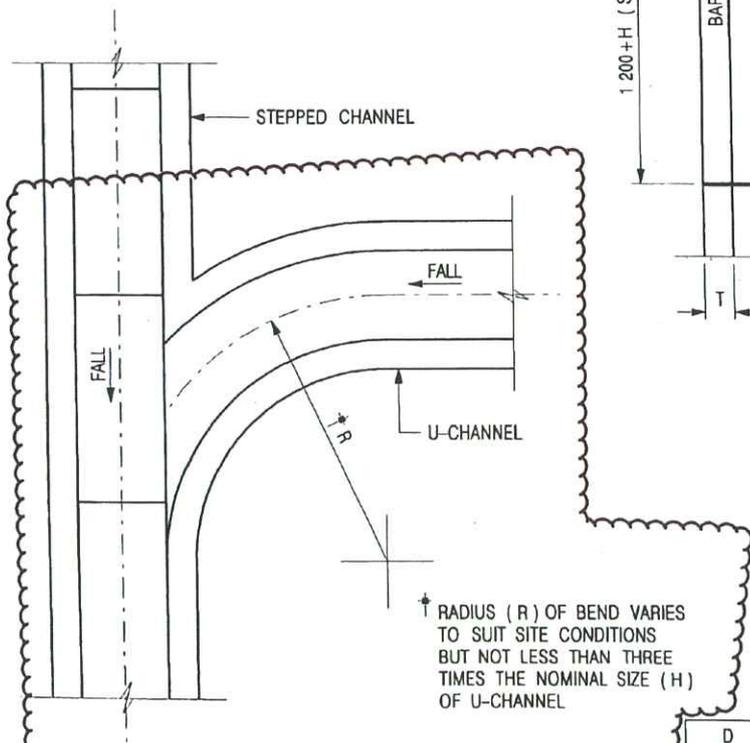
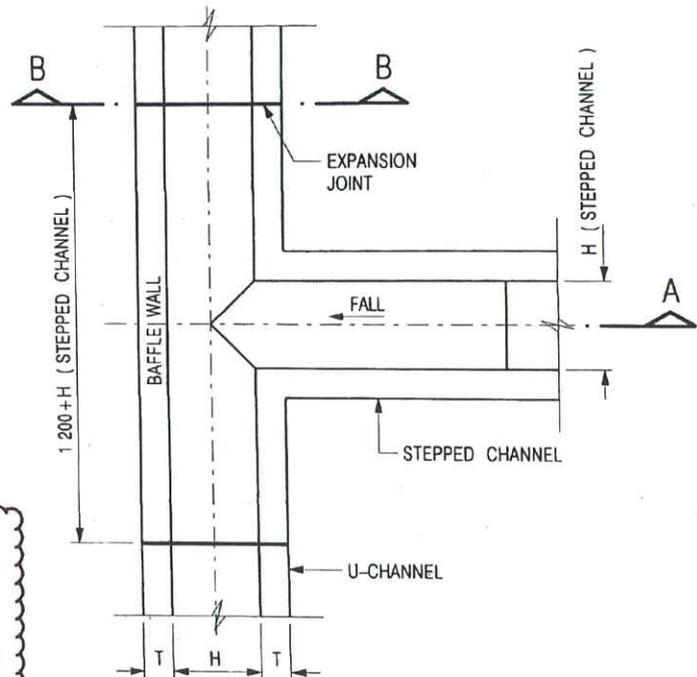
SECTION C - C



SECTION B - B
(DETAILS OF EXPANSION JOINT)



SECTION A - A



Typical details to be adopted uchannel with bends

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. EXPANSION JOINTS SHALL BE PROVIDED AT A MAXIMUM INTERVAL OF 10 METRES.
3. CONCRETE SURFACE SHALL BE CLASS U2 OR F2 AS APPROPRIATE.
4. FOR DIMENSIONS B, T, H AND d, REFER TO RELEVANT CHANNEL DETAIL DRAWINGS.
5. $20 \leq X \leq 50$ UNLESS OTHERWISE SPECIFIED.
6. CONCRETE TO BE COLOURED AS SPECIFIED.

D	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
C	MINOR AMENDMENT.	Original Signed	08.2001
B	MINOR AMENDMENT.	Original Signed	3.94
A	MINOR AMENDMENT.	Original Signed	11.92
REF.	REVISION	SIGNATURE	DATE

JUNCTION OF STEPPED
AND U-CHANNELS



CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT

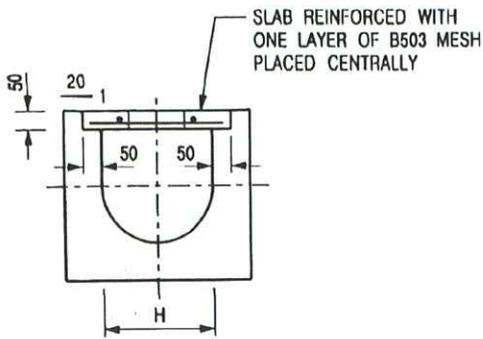
SCALE 1 : 25

DRAWING NO.

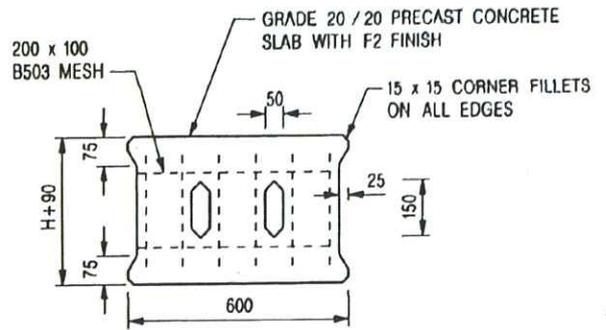
DATE JAN 1991

C2413D

Typical details to be adopted for channel cover



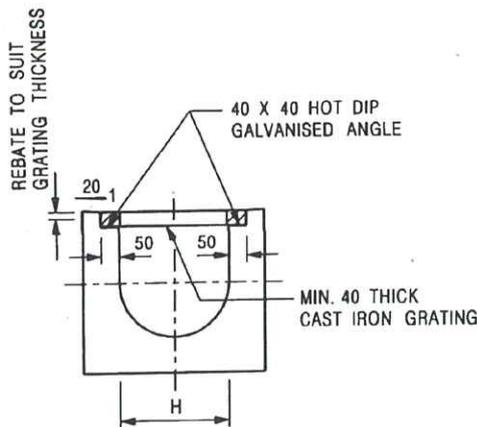
TYPICAL SECTION



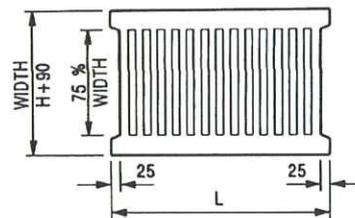
PLAN OF SLAB

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:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. H=NOMINAL CHANNEL SIZE.
3. ALL CAST IRON FOR GRATINGS SHALL BE GRADE EN-GJL-150 COMPLYING WITH BS EN 1561.
4. 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.

REF.	REVISION	SIGNATURE	DATE
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

COVER SLAB AND CAST IRON
GRATING FOR CHANNELS



CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT

SCALE 1 : 20

DRAWING NO.

DATE JAN 1991

C2412E

Appendix Site Photo

LEGEND

Application Site

- Proposed Catchpit with steel grating cover
- Existing Catchpit
- Proposed 225 uchannel with grating cover
- Existing uchannel

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A-Tech ENGINEERING CONSULTANTS LTD.

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TITLE:

Proposed Drainage Layout

File:

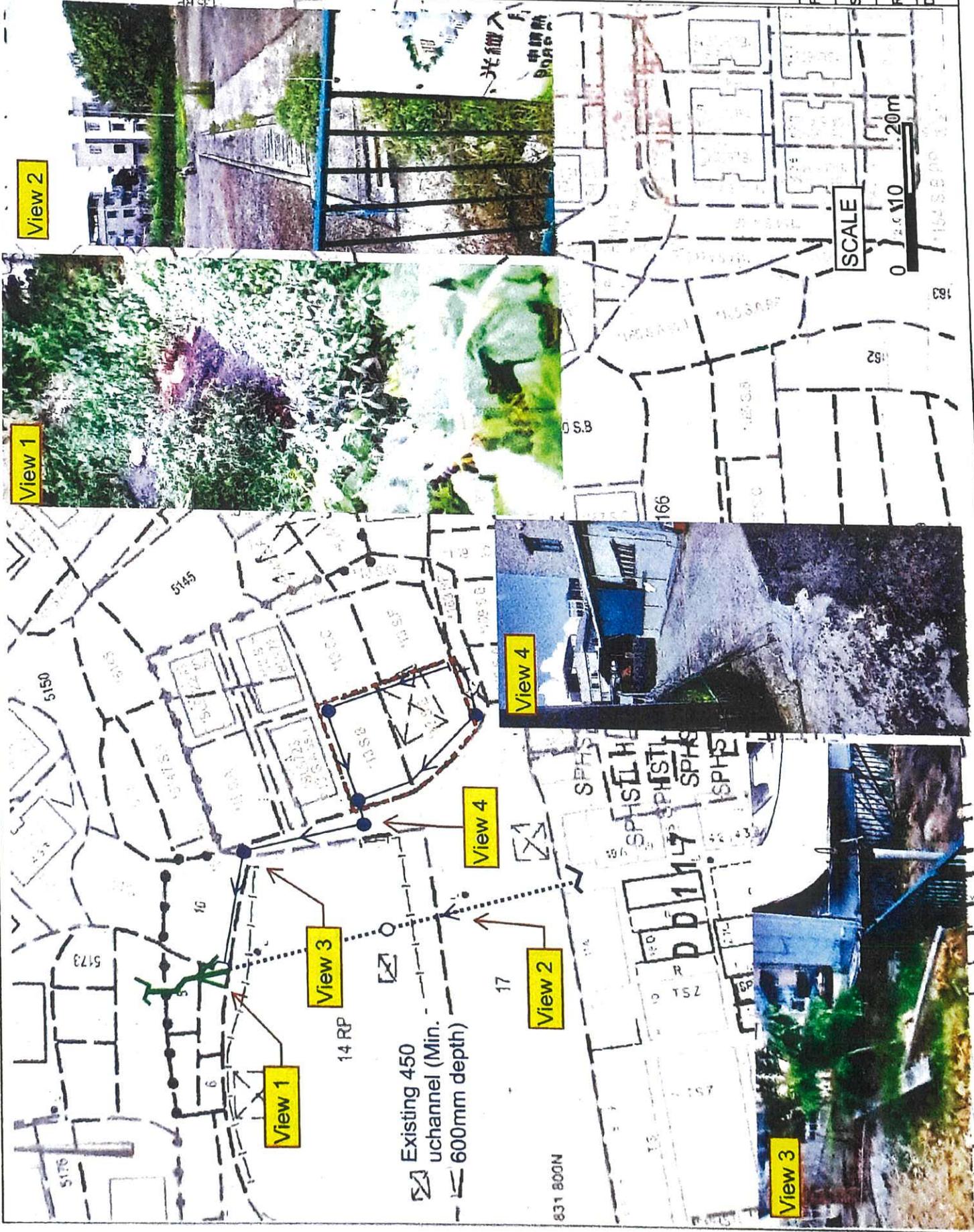
DWG NO.

Scale: N.T.S.

A-01

Rev.

Date:



View 1



View 2



View 4



View 2



View 3

SCALE



Existing 450 uchannel (Min. 600mm depth)



14 RP

17

831 800N

166

166

166

166

166

166

166