

香港北角渣華道 333 號
北角政府合署 15 樓
城市規劃委員會
城市規劃委員會秘書台照

15/9/2014 10:52 AM (共 10 頁)
by post & by fax : 2877 0245

擬在劃為「農業」地帶的
大埔山寮村丈量約份第 15 約地段第 646 號 I 分段第 2 小分段、第 646 號 J 分段第 2 小分段、第 646 號 K 分段第 1 小分段、第 652 號 C 分段第 1 小分段及第 652 號 G 分段第 1 小分段
興建屋宇(新界豁免管制屋宇 - 小型屋宇)
(規劃申請編號: TPB/ A/NE-TK/510)

敬啟者：

本人梁北強為大埔山寮村村代表，現代表上列地段申請人仕向 貴會提交排水建議。懇請 貴會轉達渠務署評估，並予以批准。有關建議已包含收水設施及不會影響他人和毗鄰地方。

- (a) 擬議用地收集的雨水徑流不會輸送及排放到附近的現有排水系統，卻只會由擬議雨水渠接收、輸送及排放到現有河道，最終排放點亦顯示在圖則上(見附件)，故對附近現有的排水系統不會造成影響。
- (b) 根據以上(a)項，擬議用地收集的雨水徑流不會輸送及排放到附近的現有排水系統(水道/渠道)。
- (c) 各排水井已標示不同的名稱(由 CP24 至 CP29)，方便 貴署參考及提出意見。
- (d) 各排水井的覆蓋水平(cover level)和管道內底水平(invert level)已用表列方式提供(見附件)，方便 貴署參考及提出意見。
- (e) 編號 CP10 已考慮使用有設置氣隔的排水井，土木工程拓展署標準圖編號 C2406 亦提供在附件內作參考。
- (f) 有關有蓋水道及排水井的詳細規格，會根據土木工程拓展署標準圖編號 C2405、C2407 和 C2412 及《斜坡岩土工程手冊》的圖 8.11(第 257 頁)，亦已提供在附件內作參考。

隨函夾附上列小型屋宇的渠務建議書請予審批，如有任何查詢請來電本人，謝謝垂注！



連附圖：小型屋宇渠務建議報告

梁北強 謹上

c.c. 規劃署 - 高級城市規劃師劉志庭先生(經辦人)

→ 渠務署 - 渠務署總工程師/新界北黃錦綸先生(經辦人)(fax: 2770 4761)

2014 年 9 月 15 日

聯絡地址：新界大埔汀角村 219 號

聯絡電話：6027 2944

House 19 (Lot 646S.I 2, 646S.J 2, 646S.K1, 652S.C1 & 652 SG1)
(TPB/A/NE-TK/510)
Drainage Proposal

Catchpit Schedule

Catchpit No.	Cover Levels (mPD)	Invert Levels (mPD)	Remarks
CP24	+51.10	+50.70	Under separate application
CP25	+50.50	+50.10	
CP26	+50.00	+49.60	
CP27	+49.40	+49.00	
CP28	+48.50	+48.15	
CP29	+48.60	+48.30	
CP13	+52.00	+51.30	According to the letter dated 23/7/2014 issued from Planning Department (Ref. No.: TPB/A/NE-TK/485), DSD accept the drainage proposal and have no adverse comment.
CP14	+51.30	+50.70	
CP15	+51.90	+51.40	
CP16	+51.30	+50.70	According to the letter dated 7/7/2014 issued from Planning Department (Ref. No.: TPB/A/NE-TK/467), DSD accept the drainage proposal and have no adverse comment.
CP17	+51.00	+50.40	
CP18	+50.20	+49.70	
CP19	+50.20	+49.70	According to the letter dated 24/2/2014 issued from Planning Department (Ref. No.: TPB/A/NE-TK/471), DSD accept the drainage proposal and have no adverse comment.
CP20	+49.90	+49.40	
CP21	+49.60	+49.00	
CP22	+49.20	+48.70	
CP23	+49.10	+48.50	
CP1	+48.70	+48.20	According to the letter dated 6/1/2014 issued from Planning Department (Ref. No.: TPB/A/NE-TK/428), DSD accept the drainage proposal and have no adverse comment.
CP2	+48.40	+48.10	
CP3	+48.40	+47.95	
CP4	+47.90	+47.60	
CP5	+47.70	+47.30	
CP6	+47.50	+47.10	
CP7	+47.10	+46.60	
CP8	+46.80	+46.45	
CP9	+46.70	+46.35	
CP10 (with trap)	+46.60	+45.90	
CP11	+46.40	+45.70	
CP12	+43.50	+42.50	
Final Outfall 600mm SC to existing stream	-	+41.10	

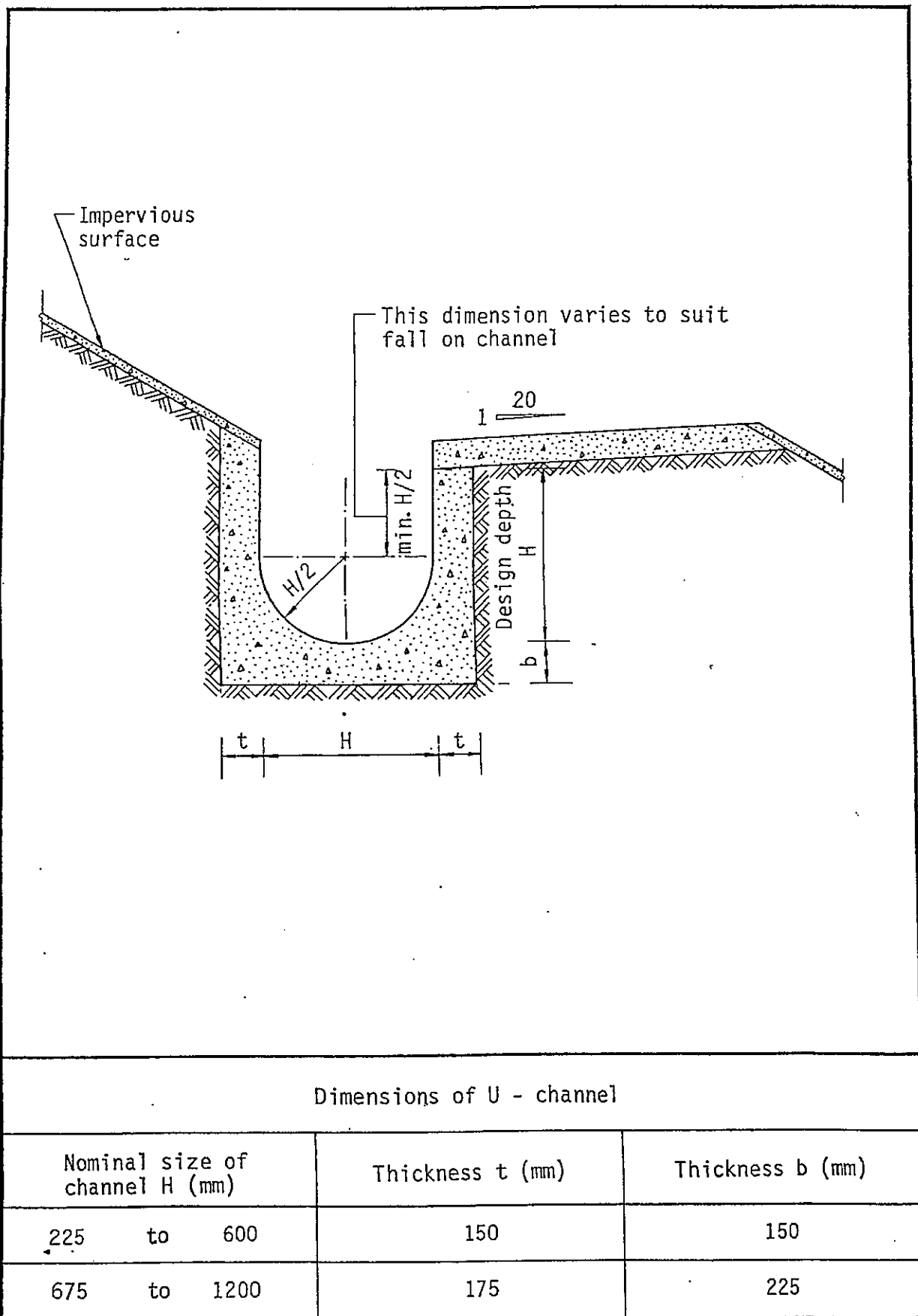


Figure 8.11 - Typical U-channel Details

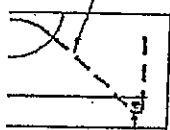
Extracted from 'Geotechnical manual for slopes', GTO.

CONCRETE COVER

N.T.S.,

-60mm. DIA. x 30mm DEEP RECESS

-10mm DIA GALVANIZED MILD
STEEL HANDLING HOOKS.



- 2T12

00

S OF LIFTING KEY

N.T.S.

-50 x 610 x 5 TK.
M.S. FLAT BAR

GATE HINGE
(SEE DETAIL 'X')

40 INTERNAL DIA.
x 3.2 TK. GMS
TUBULAR FRAME

TOWER BOLT

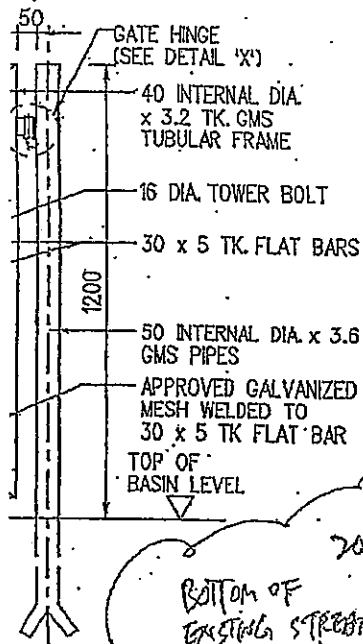
TK. FLAT BARS

1200

-50 INTERNAL DIA. x 3.6 TK.
GMS PIPES

- APPROVED GALVANIZED
MESH WELDED TO
30 x 5 TK FLAT BAR

TOP OF
BASIN LEVEL



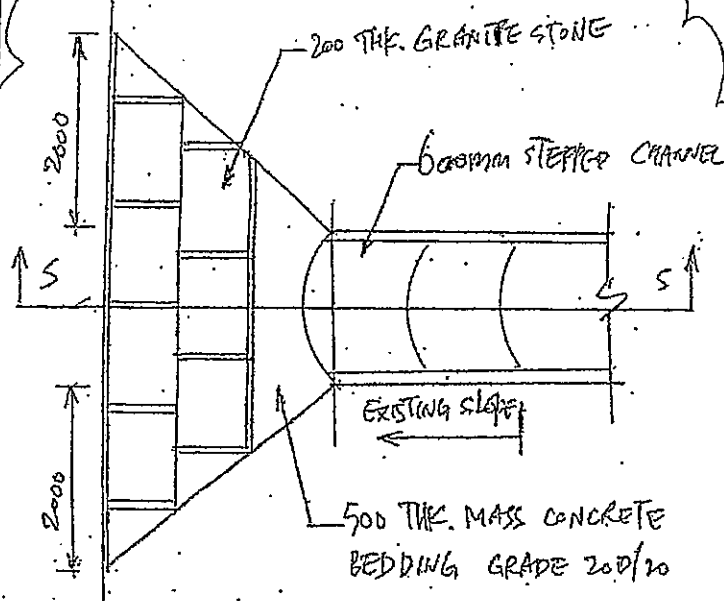
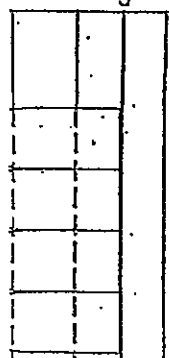
VTE

150 145

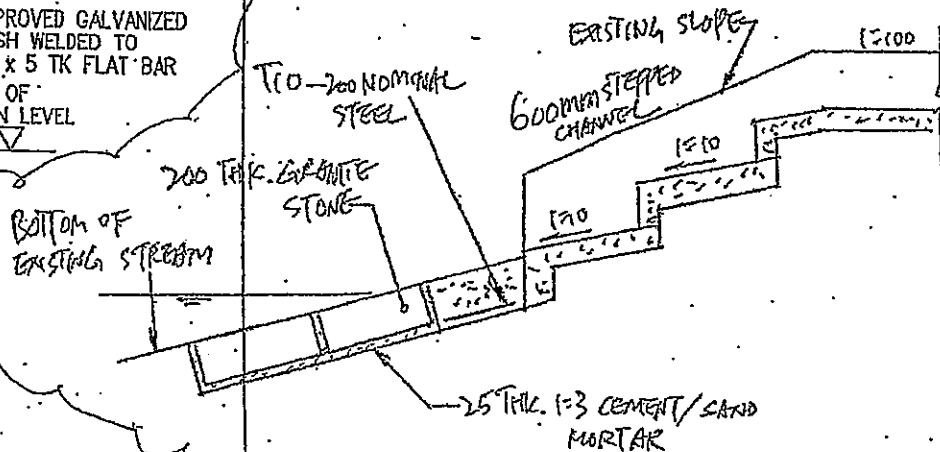
一

EXISTING SLOPE
— WITH DENSE
VEGETATION

E



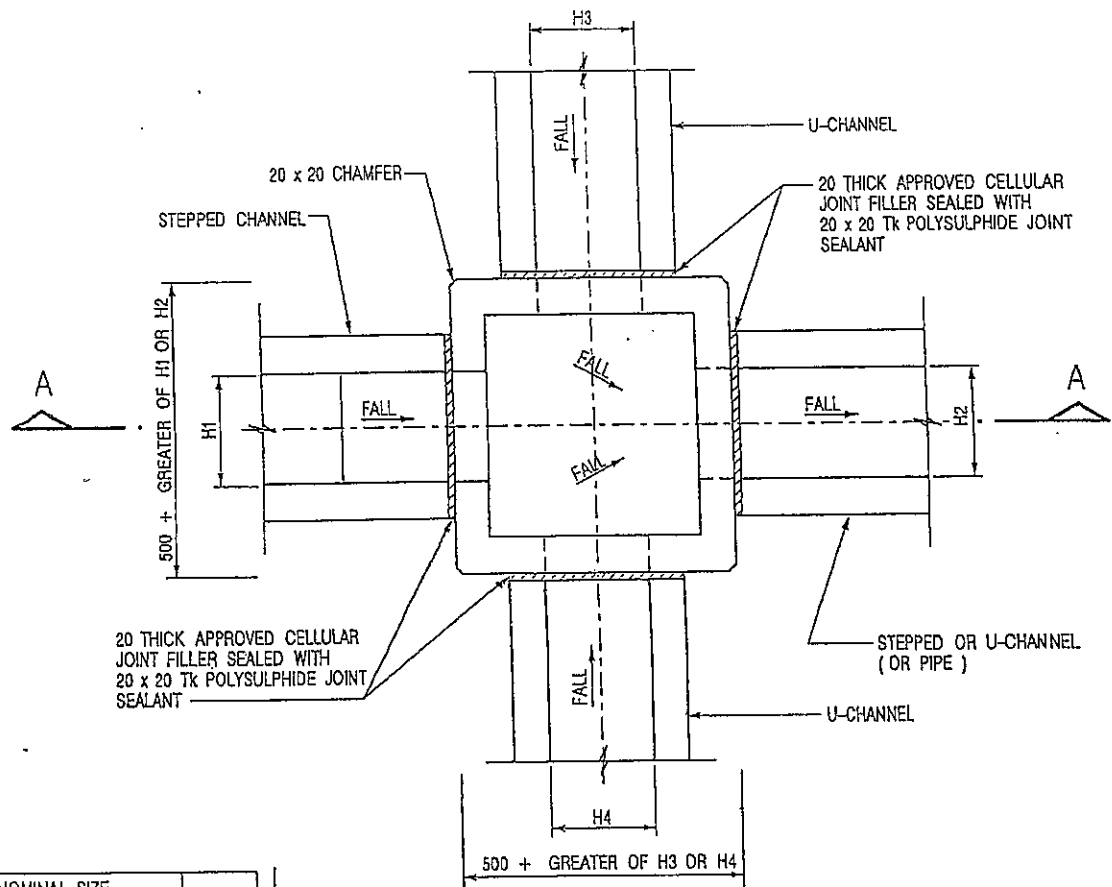
PLAN



SECTION 5-5

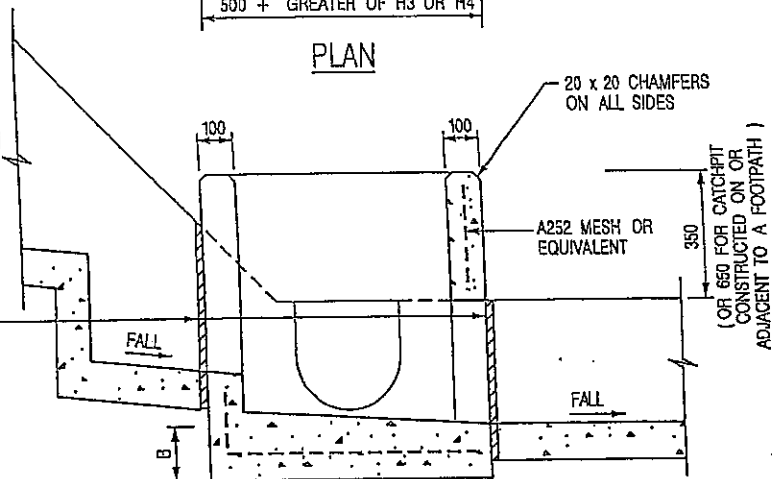
BUTFAU DETAILS FOR PROPOSED 600mm
STEPPED-CHANNEL AT THE EXISTING STREAM

N.T.S.

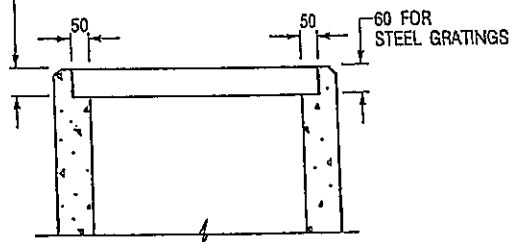


NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
300 - 600	150
675 - 900	175

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



DEPTH OF RECESS AND DETAILS OF
PRECAST CONCRETE COVERS
(SEE STD. DRG. NO. C2407)



ALTERNATIVE TOP SECTION FOR
PRECAST CONCRETE COVERS / GRATINGS

SECTION A - A

NOTES:

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

I	DETAILS OF STEEL GRATINGS AMENDED. SHEET 5 ADDED.	Original Signed	03.2009
H	DIMENSIONS OF CATCHPIT AMENDED. NOTES ADDED. SHEETS 2 TO 4 ADDED.	Original Signed	10.2008
G	"FALL" ON BOTTOM OF CATCHPIT ADDED.	Original Signed	05.2008
F	DIMENSION B ADDED.	Original Signed	08.2007
E	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
D	GENERAL REVISION.	Original Signed	12.2002
REF.	REVISION	SIGNATURE	DATE

STANDARD CATCHPIT DETAILS



CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT

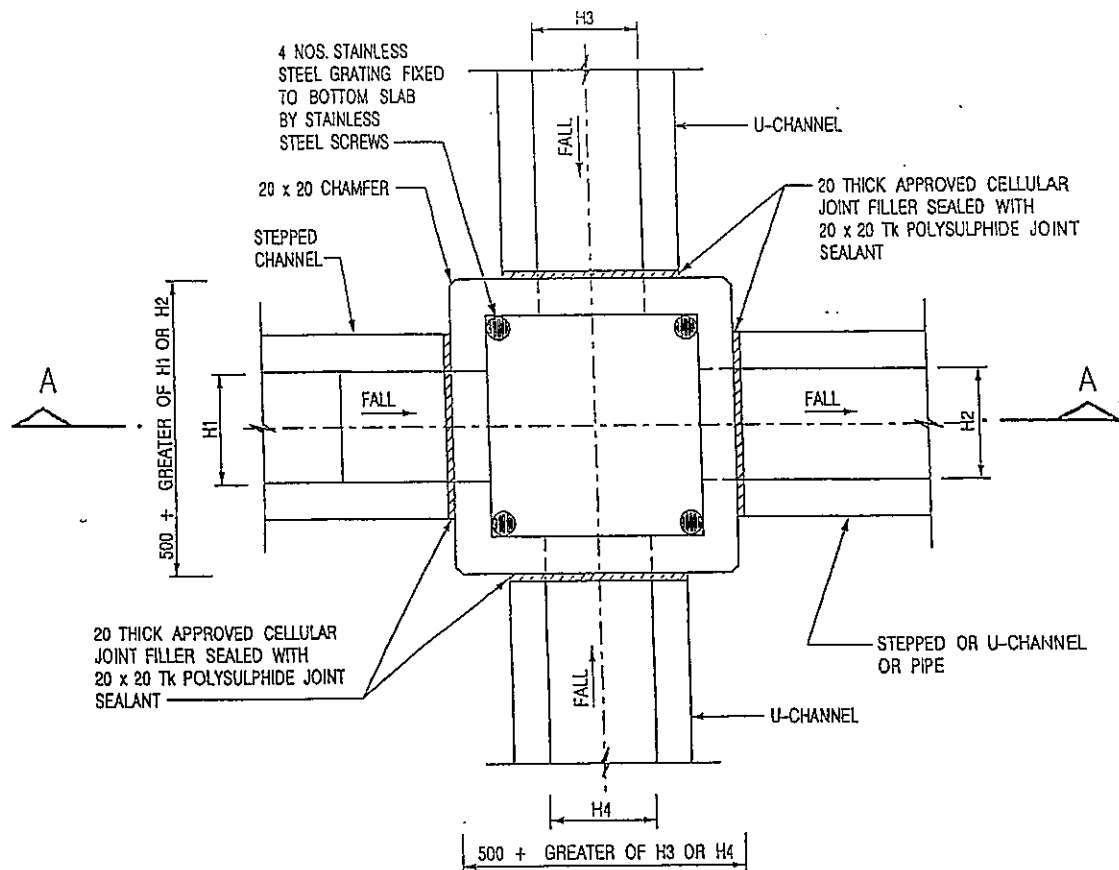
SCALE 1 : 20

DATE JAN 1991

DRAWING NO.

C24051

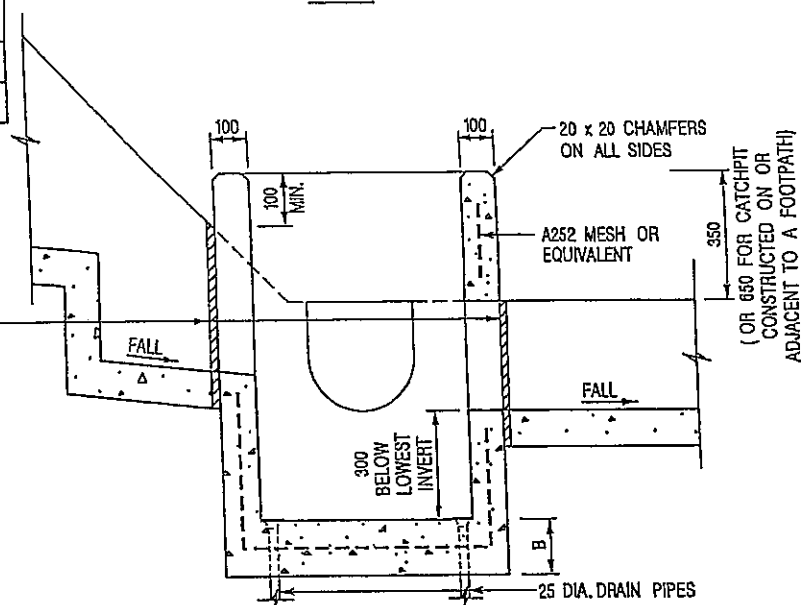
SHEET 1 OF 5



PLAN

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

NOTES:

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

I	DIMENSIONS OF CATCHPIT AMENDED. NOTES ADDED. SHEET 2 ADDED.	Original Signed	10.2003
H	NOTES 7 & 8 ADDED. DRAIN PIPES AT BASE SLAB ADDED.	Original Signed	05.2008
G	DIMENSION B ADDED.	Original Signed	08.2007
F	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
REF.	REVISION	SIGNATURE	DATE

CATCHPIT WITH TRAP



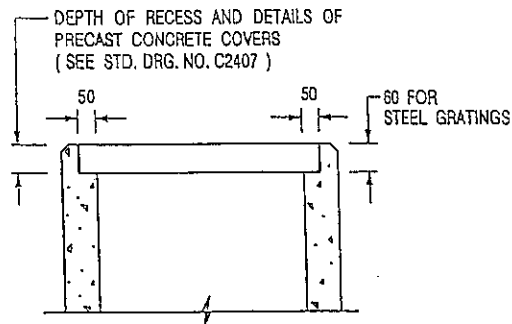
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 20

DRAWING NO.

DATE JAN 1991

C24061 SHEET 1 OF 2



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) 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 'G' ON STD. DRG. NO. C2405; 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 1000 mm MIN. MEASURED FROM THE ADJACENT GROUND LEVEL.
10. MINIMUM INTERNAL CATCHPIT WIDTH SHALL BE 1000 mm FOR CATCHPITS WITH A HEIGHT EXCEEDING 1000 mm MEASURED FROM THE INVERT LEVEL TO THE ADJACENT GROUND LEVEL. AND, STEP IRONS (SEE DSD STD. DRG. NO. DS1043) AT 300 mm 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 'F' ON STD. DRG. NO. C2405.
12. SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

I	DIMENSIONS OF CATCHPIT AMENDED. NOTES ADDED. SHEET 2 ADDED.	Original Signed	10.2008
H	NOTES 7 & 8 ADDED. DRAIN PIPES AT BASE SLAB ADDED.	Original Signed	05.2008
G	DIMENSION B ADDED.	Original Signed	08.2007
F	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
REF.	REVISION	SIGNATURE	DATE

CATCHPIT WITH TRAP



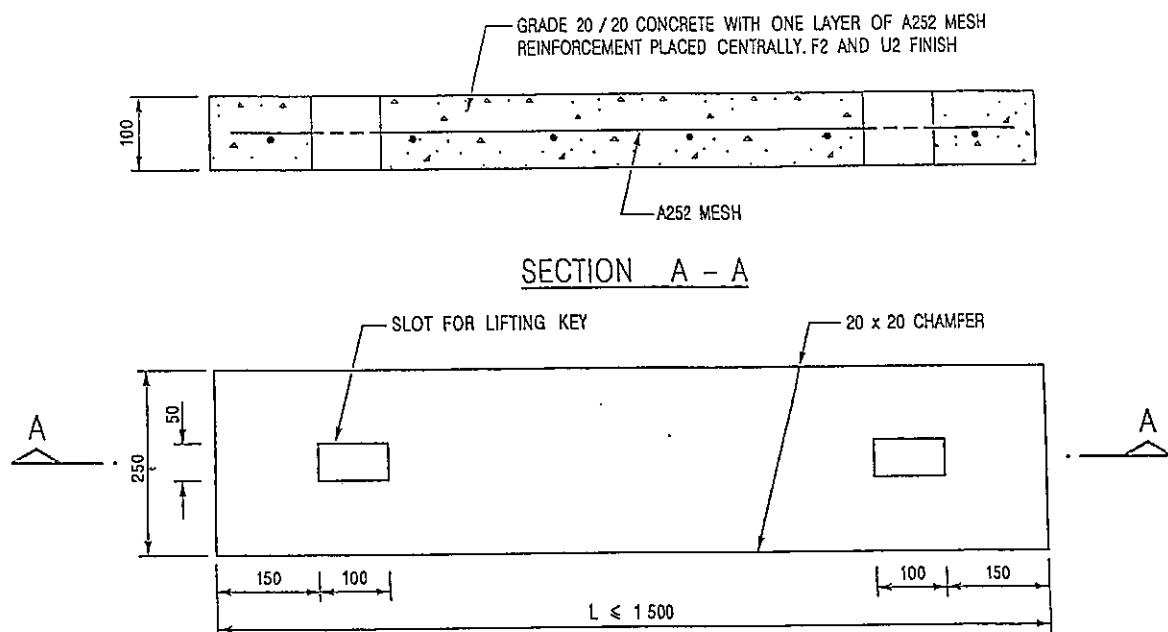
**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

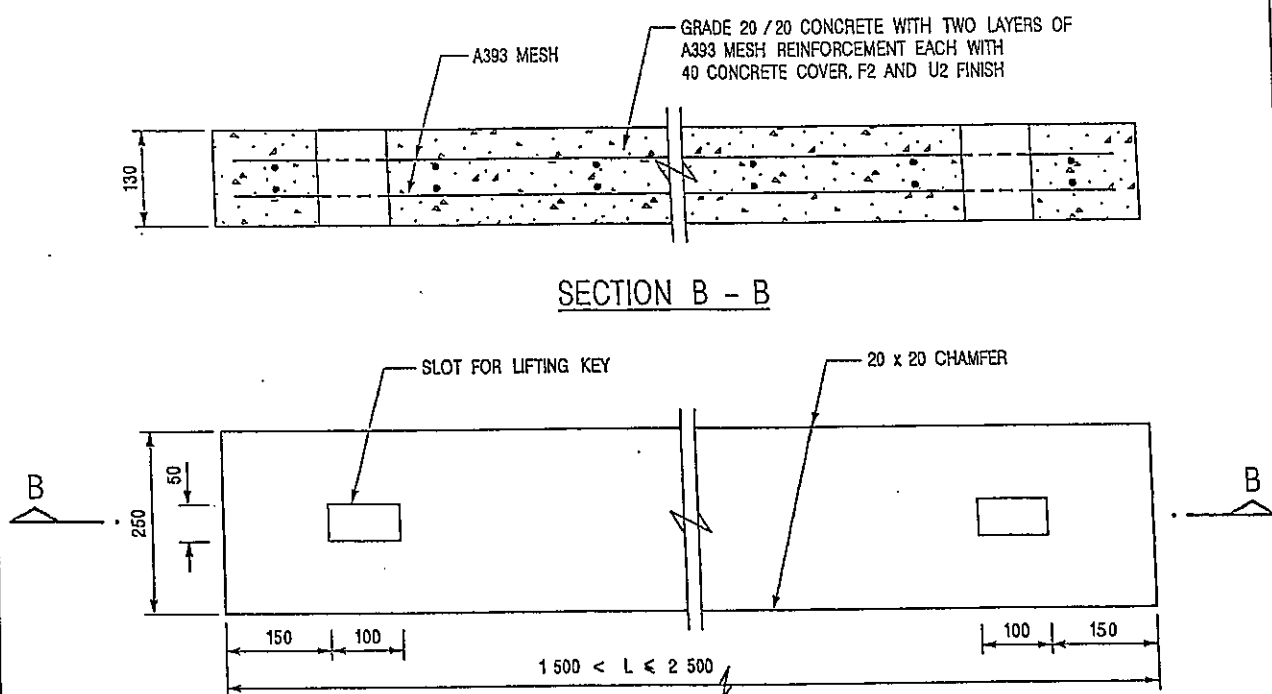
DRAWING NO.

DATE JAN 1991

C2406 SHEET 2 OF 2



PLAN
TYPE 1 - FOR SPAN UP TO 1.5 m



PLAN
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



CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT

SCALE 1 : 10

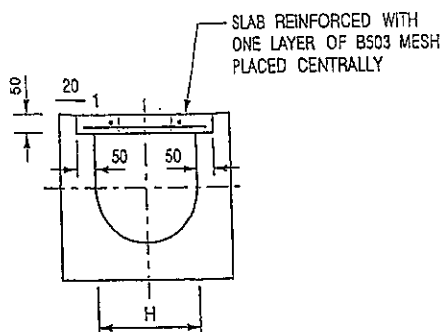
DRAWING NO.

DATE JAN 1991

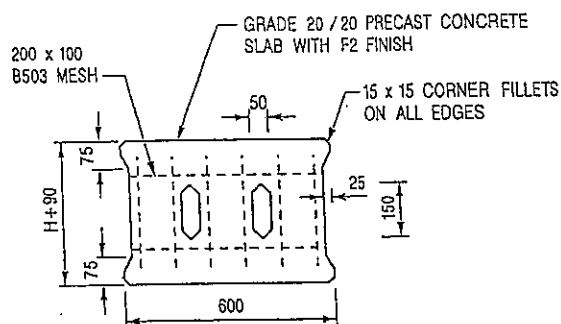
C2407B

興土木 利民生 齊拓展 創明天

We bring the best engineering to life



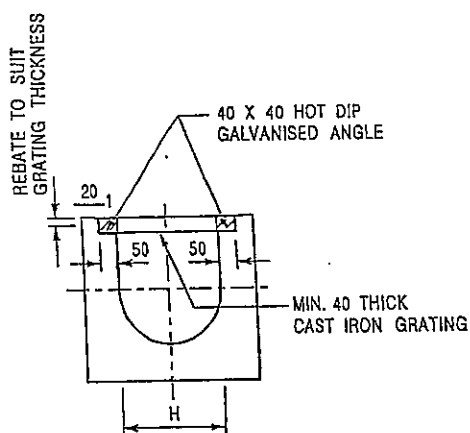
TYPICAL SECTION



PLAN OF SLAB

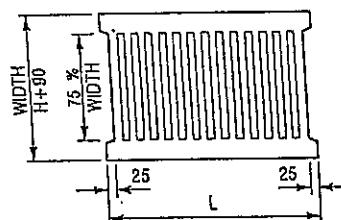
U-CHANNELS WITH PRECAST CONCRETE SLABS

(UP TO H OF 525)



TYPICAL SECTION

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



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

CAST IRON GRATING

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 150 TO BS 1452.
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. H2233.

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.
C2412D

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