☐Urgent ☐Return receipt ☐Expand Group ☐Restricted ☐Prevent Copy

From: [redacted]
Sent: 2025-09-18 星期四 14:56:07
To: [redacted]
Subject: A/YL-PH/1070 補充資料及排水建議
Attachment: A_YL-PH_1070 補充資料.pdf; A_YL-PH_1070 排水建議.pdf

現就相關規劃申請編號提交補充資料及排水建議，請查閱附件，謝謝。如有疑問請致電[redacted]。

獲授權代理人 郭凱琳
2025 年 9 月 18 日

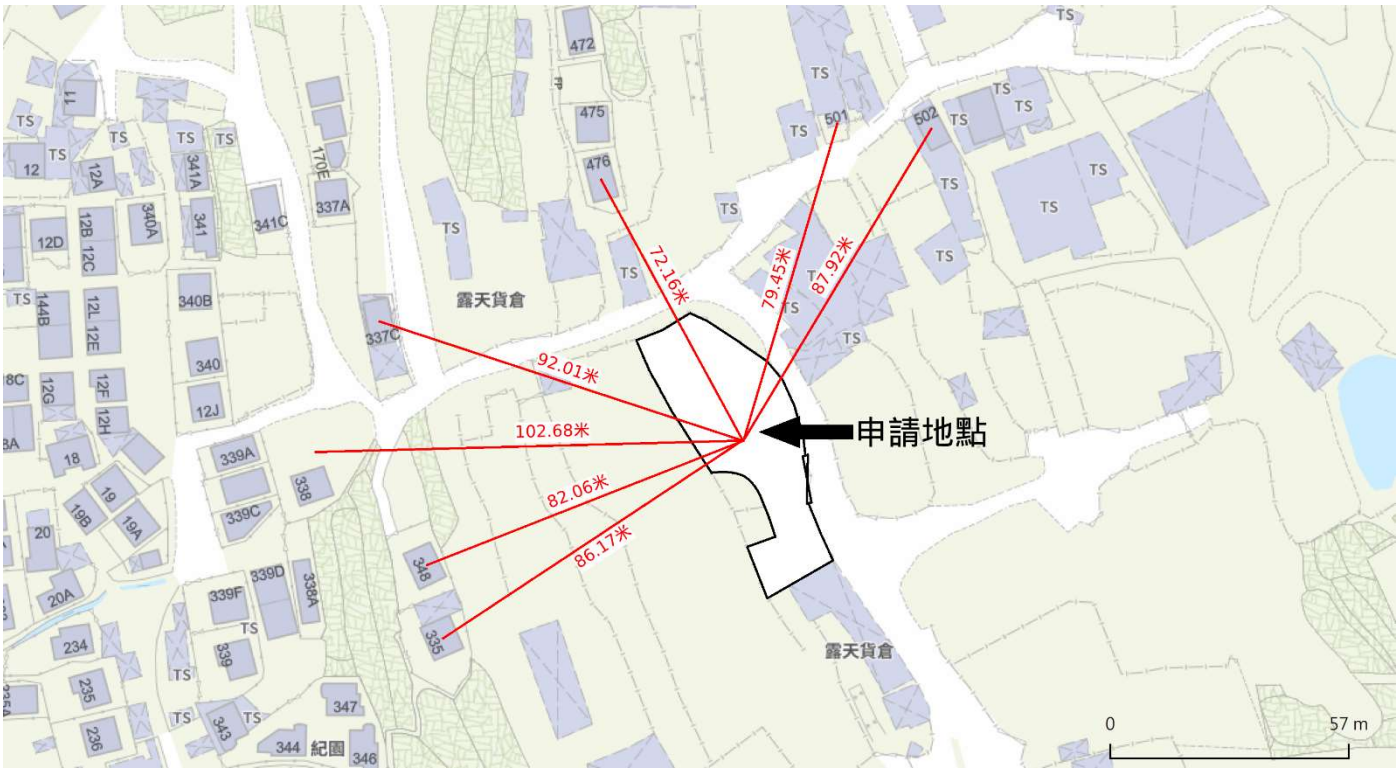
聯絡地址：[redacted]
電話　　：[redacted]
申請地段：新界元朗八鄉橫台山丈量約份第111約地段編號第2808(部份)、2809(部份)、2810(部份)、2811餘段(部份)、2814(部份)、2815(部份)、2816(部份)的擁有人
申請編號：TPB/A/YL-PH/1070

致 粉嶺、上水及元朗東規劃處：

補充資料

1. 申請地點的服務對象主要為橫台山散村村民及附近的工作者，服務方式為提供月租車位，但不設電動車充電位，因現時服務對象所持車輛的主要類型仍然是傳統燃油車。

2. 以下為申請地點與鄰近民居的大約距離。



3. 申請地點只允許持有香港車牌之指定車輛（即私家車及輕型貨車）停泊，其他類型及無牌車輛一律禁止進入。

4. 申請地點早前已完成填土，不會再進行額外的填土工程，現在只希望合法化。

5. 有關申請地點內的構築物，本人將在申請獲批後拆除，而申請地點內的樹木將全數保留。

致：城規會

城規會檔號：TPB/A/YL-PH/1070

提議雨水渠務報告 (Proposed)

1. 提議雨水渠道（簡介）
2. a. 申請人提議的渠管道建造是由申請人自費的。

   b. 申請人提議的渠管道日後維修保養是申請人的責任。

   c. 申請人提議的渠管道，也明白地權是政府/私人的。

   d. 申請人承諾會得到政府部門同意/私人地段同意才會建設渠道工程。

   e. 申請人聘任 PERRY LEE BUILDING CONSULTANCY COMPANY 公司作此次渠務顧問

申請人聯絡方式
電話：[redacted]

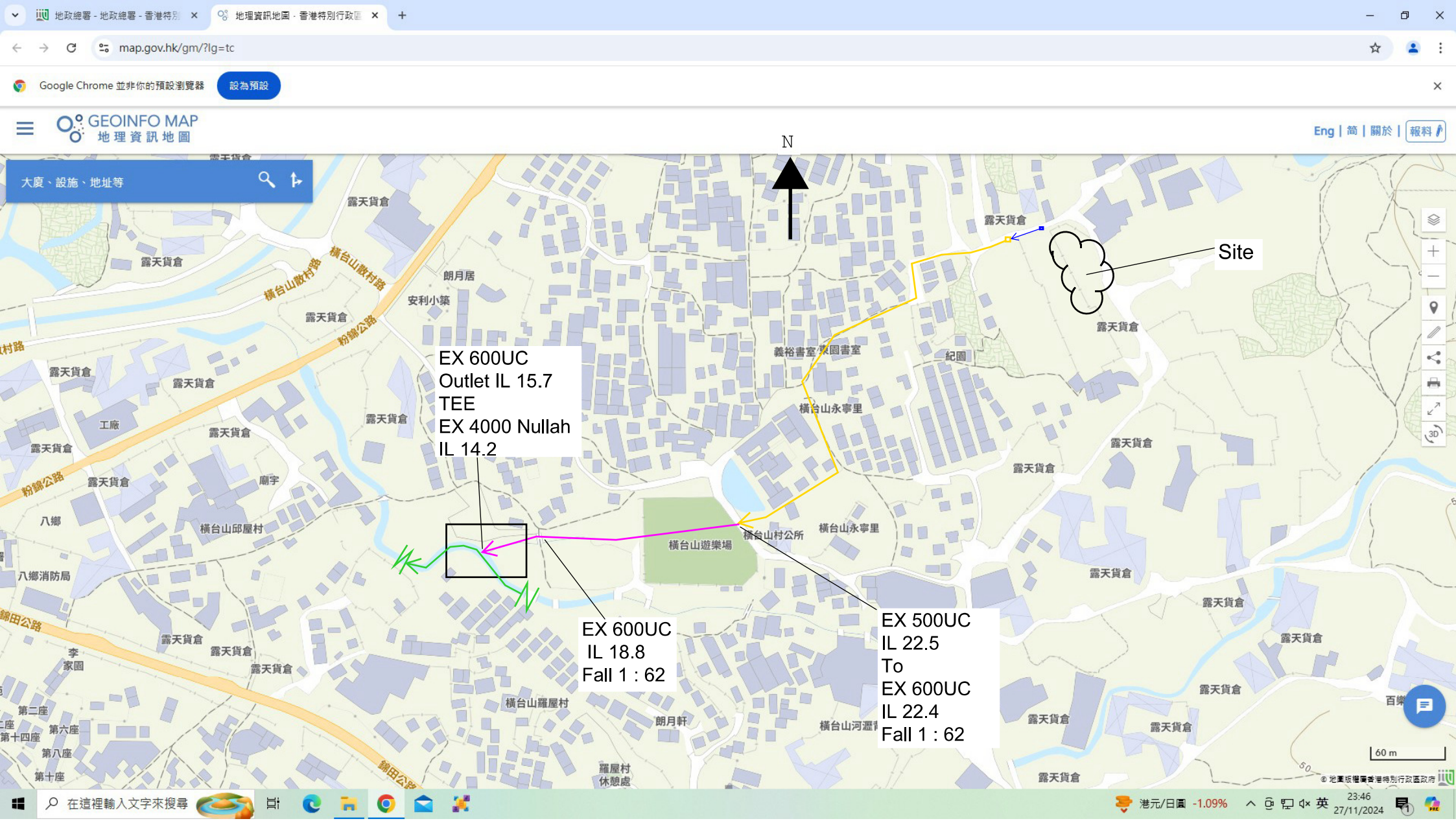
渠務顧問聯絡方式
電話：[redacted]

2025 年 8 月 20 日

提議渠務報告(Proposed)

簡介

b1	EX Drainage Location
b2	Site Location, Catchmant, Proposed Drainage
b3	雨水計算
b4~b7	Proposed UC, Proposed MH
c1~c2	現場相片和拍照位置
d1	Section Plan



= EX 400UC / 500UCC & Fall

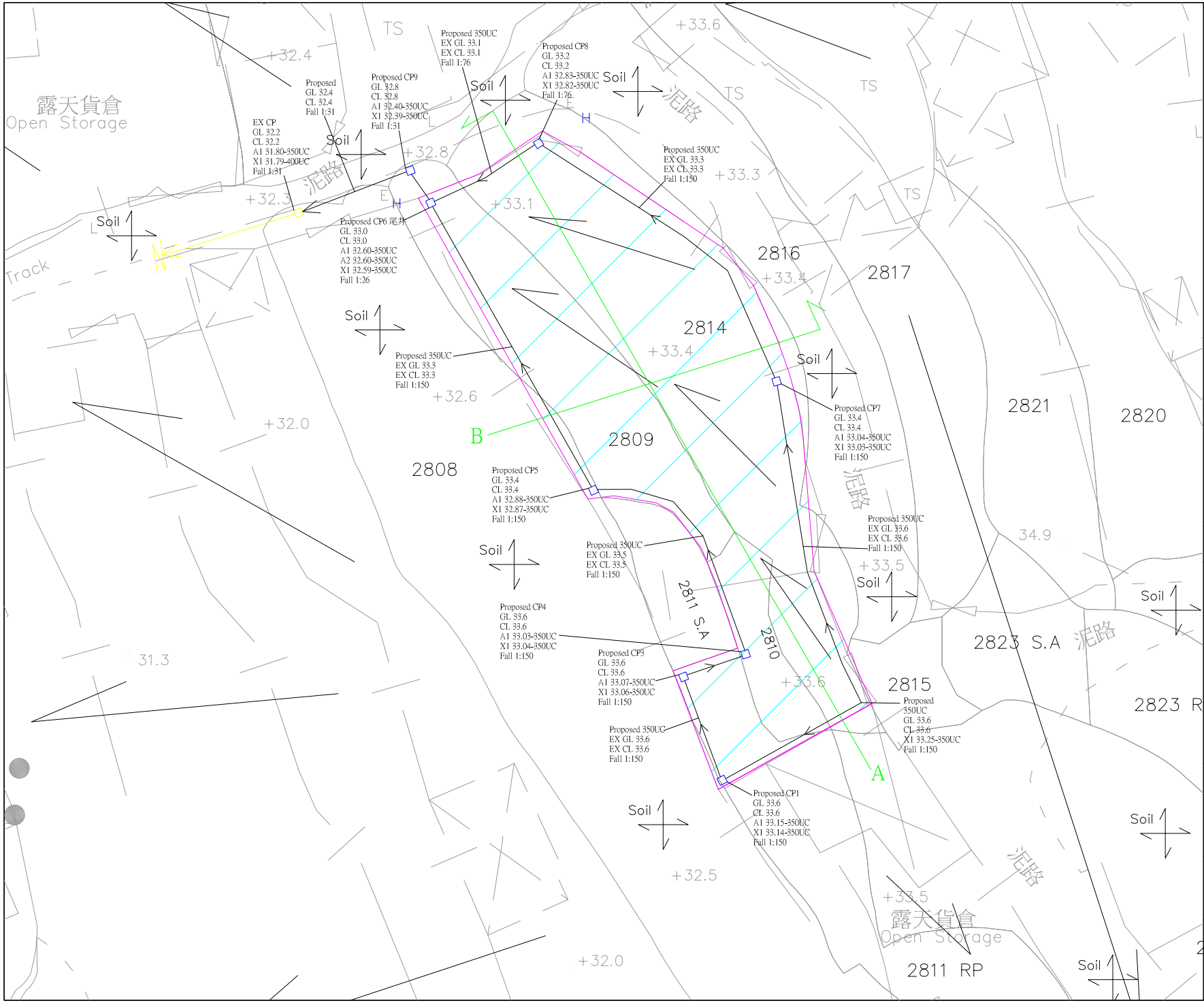
=EX 4000 Nullah & Fall

=Proposed 350UC & Fall

=EX 600UC / 600UCC & Fall

EX Drainage Location

b1



LEGEND :

EX 400UC :

EX CP :

Cross Fall :

Fall :

Fall :

Fall :

Section Line :

Site Boundary 申請範圍
EX Ground Level+33.6 ~ +33.1 :

EX Concrete
Catchment Area 1302sqm :

Proposed 350UC

Proposed CP6 尾井 :

Proposed CP1~CP5, CP7~CP9 :

Proposed drainage plan

LOCATION :

A/YL-PH/1070

Scale : N.T.S.

Date : 2025-08-15

Drawing number : b2

Drawing : A4

Rational method

Q=C i A

i = rainfall intensity

$$t_0 = \frac{0.14465L}{H^{0.2}A^{0.1}}$$

YL-PH / 1070
Proposed 350UC

	0.14465	Concrete		0.14465	
L =	136.93		L =	136.93	m
H =	0.2		H =	0.2	m
A =	1302		A =	1302	m^2
			t_o =	13.34	min

100 Year Rainwater Intensity	intensity	185	m/hr			
		0.185	/	3600	*	1.6
	intensity =	8.22222E-05	m/s			

$Q_p = C \times i \times A$

C =	0.9	
i =	8.22E-05	m/s
A =	1302	m^2

Q_p = 0.096348 m^3/s

YL-PH / 1070

Q(m discharge of open channel) 0.166366 m^3/s

H = 0.006
L = 1 m

Area	=	0.35 *0.4	0.14	
P	=	0.4 *2+0.35	1.15	
R_h	=		0.121739	
n	=		0.016	Concrete
S_0 = H/L	0.006	1	0.006	

YL-PH / 1070
Q(m^3/s) = 0.166366 m^3/s

YL-PH / 1070
Q(m^3/s) = 0.166366 m^3/s

100 Year Rainwater Intensity 225mm channel

Concrete Q(m^3/s) = 0.096348 m^3/s

YL-PH / 1070

% = 0.166366

% = 0.096348

Q(m3/s) = 57.9 % OK

Drainage Impact assessment report of 350 mm channel is Acceptable

EX 400UC

Q(m discharge of open channel) 0.466562 m³/s

Area	=	0.4 * 0.4	0.16	
P	=	0.4+0.4+0.4	1.2	
R_h	=		0.133	
n	=		0.016	Concrete
S_o = H/L	0.032	1	0.032	

EX 400UC
Q(m³/s) = 0.466562 m³/s

EX 400UC
Q(m³/s) = 0.466562 m³/s

100 Year Rainwater Intensity
Q(m³/s) = 0.096348 m³/s

YL-PH / 1070 to (Existing 400mm U-channel)

% = 0.466562

% = 0.096348

Q(m3/s) = 20.7 % OK

Drainage Impact assessment report of 400 mm channel is Acceptable

EX 600UC

Q(m discharge of open channel) 1.990056 m³/s

H = 0.016
L = 1 m

Area	=	1.1 * 0.6	0.66	
P	=	1.1*2+0.6	2.8	
R_h	=		0.235714	
n	=		0.016	Concrete
S_o = H/L	0.016	1	0.016	

EX 600UC
Q(m³/s) = 1.990056 m³/s

EX 600UC
Q(m³/s) = 1.990056 m³/s

100 Year Rainwater Intensity

Concrete Q(m³/s) = 0.096348 m³/s

YL-PH / 1070 to EX (600mm UC)

% = 1.990056

% = 0.096348

Q(m3/s) = 4.8 % OK

Drainage Impact assessment report of 600mm U-channel is Acceptable

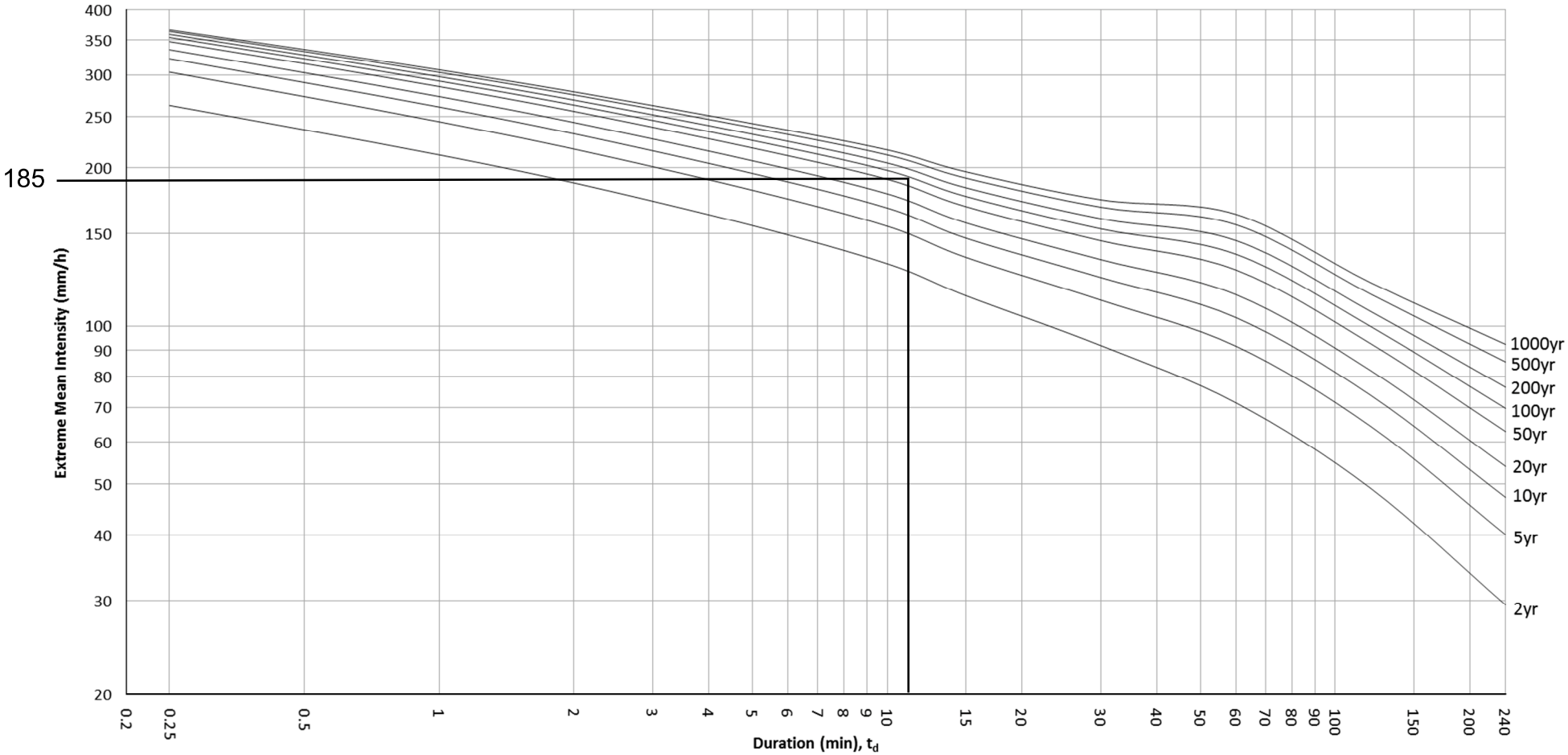
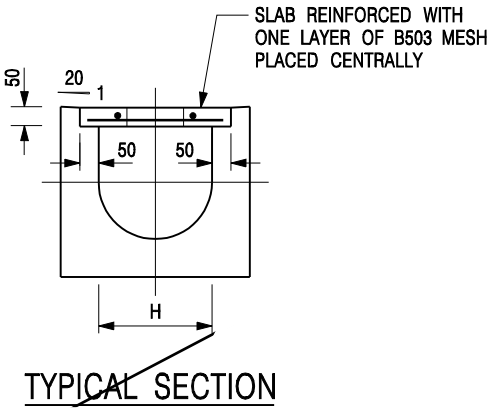


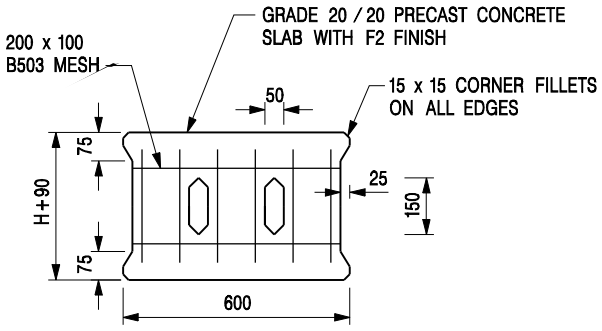
Figure 4a – Intensity-Duration-Frequency Curves of HKO Headquarters
(for durations not exceeding 4 hours)

b3

Proposed 350UC



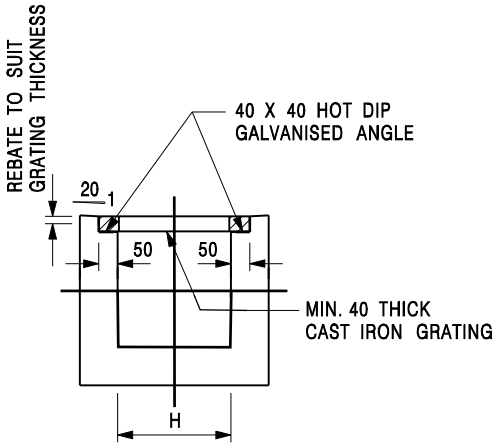
TYPICAL SECTION



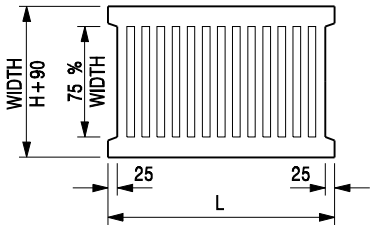
PLAN OF SLAB

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.

b4

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

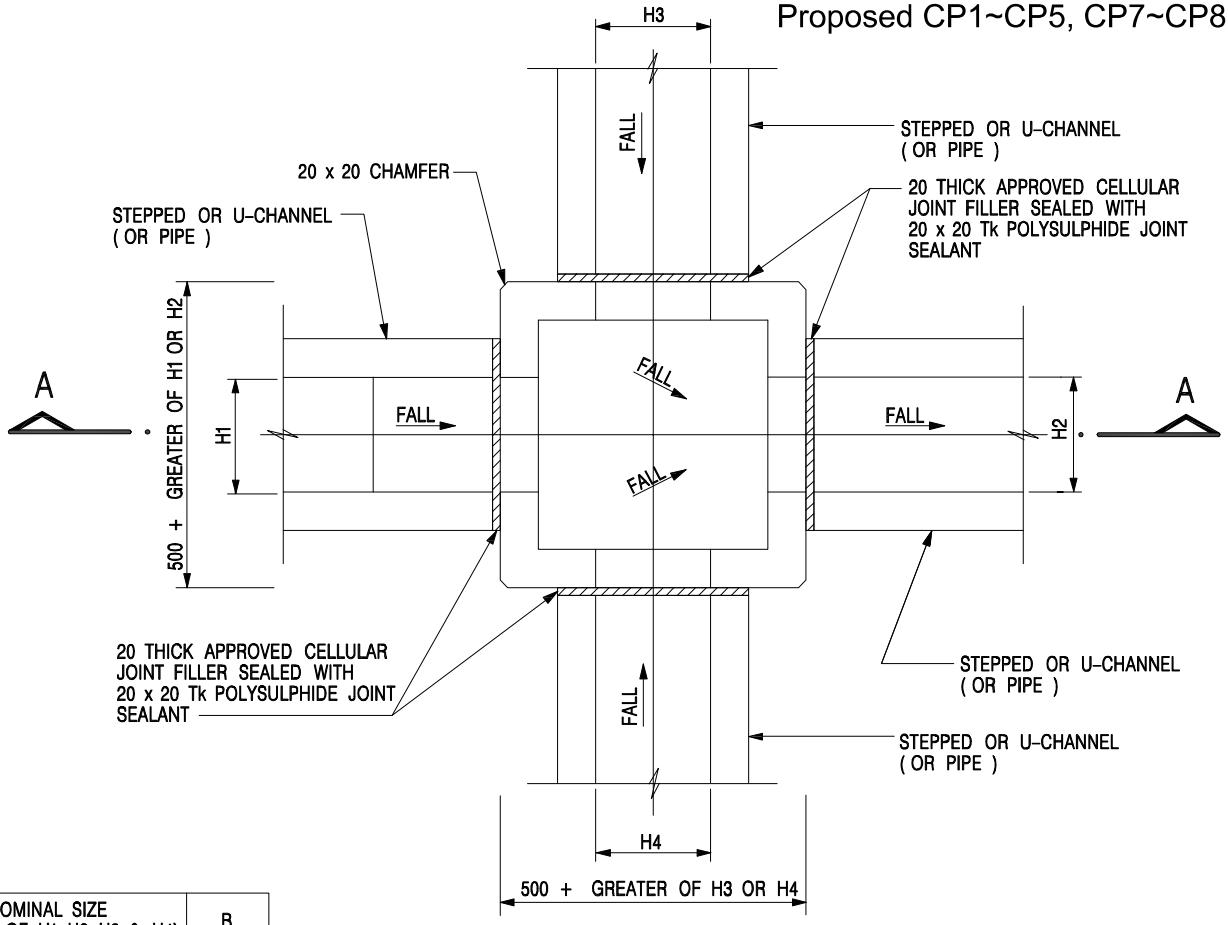
CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 20

DATE JAN 1991

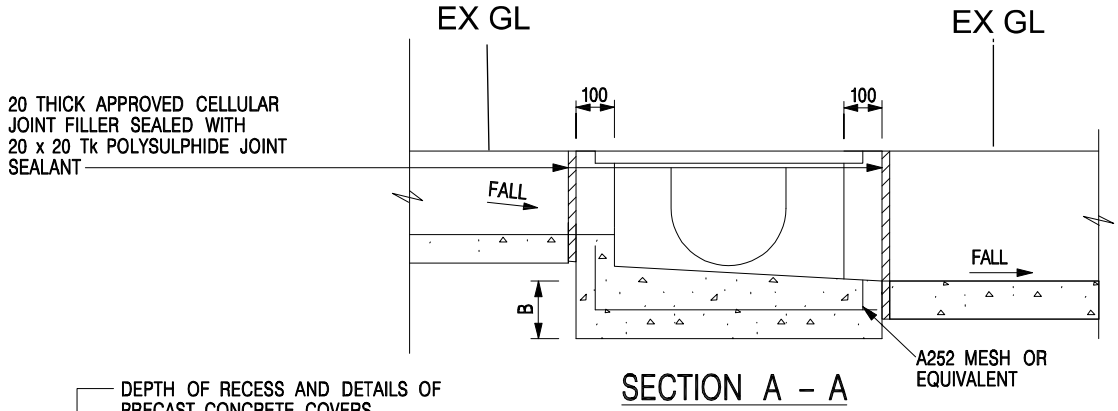
DRAWING NO. C2412E

Proposed CP1~CP5, CP7~CP8

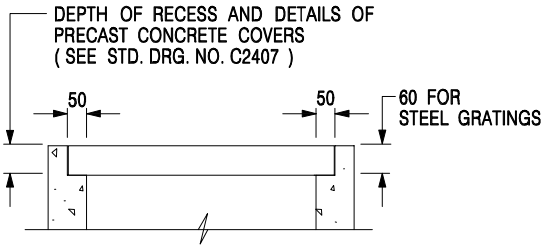


PLAN

NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
225 – 600	150
675 – 900	175



SECTION A – A



NOTES:

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

ALTERNATIVE TOP SECTION FOR
PRECAST CONCRETE COVERS / GRATINGS

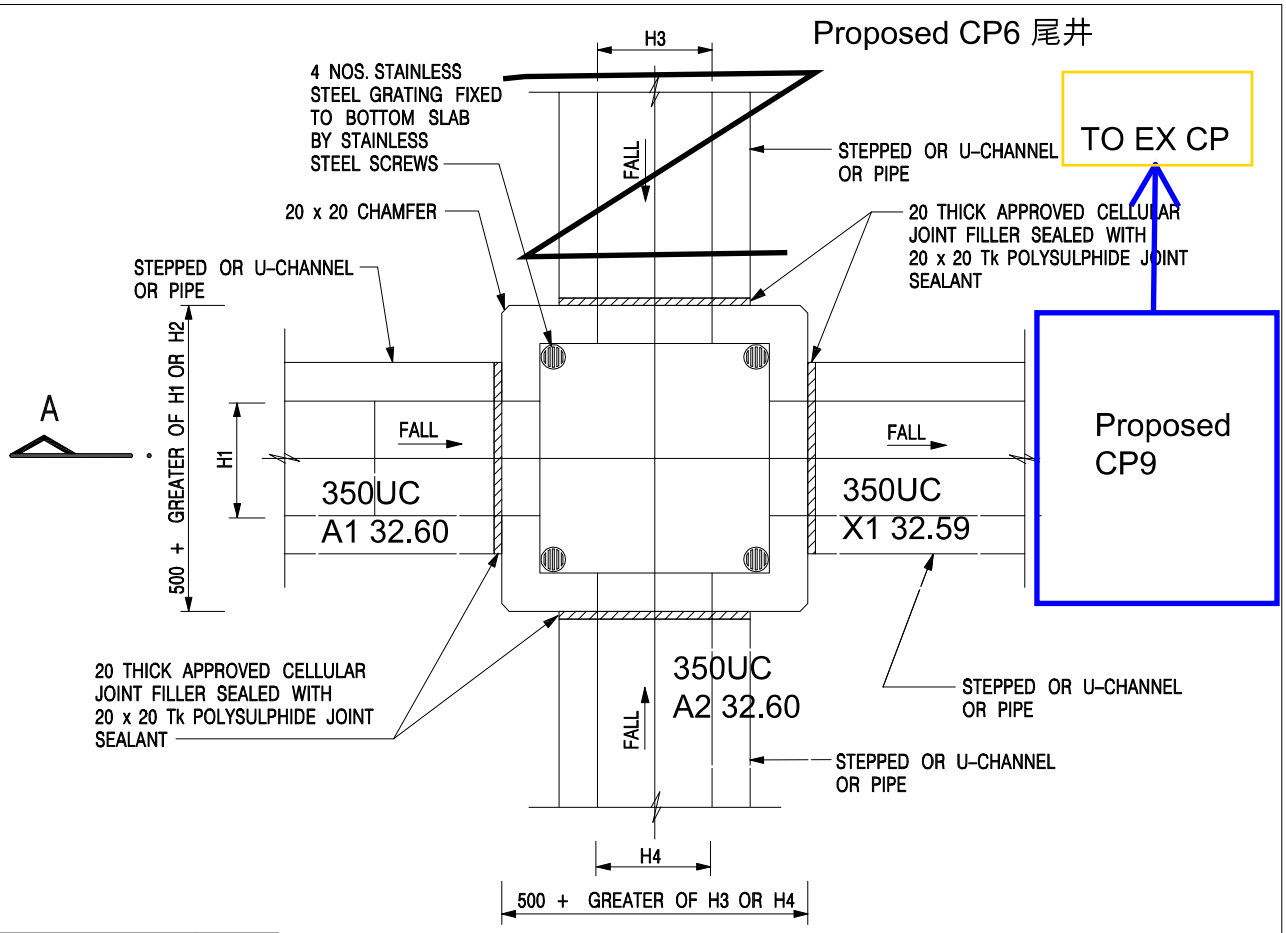
b5

REF.	REVISION	SIGNATURE
–		Original Signed

STANDARD CATCHPIT DETAILS

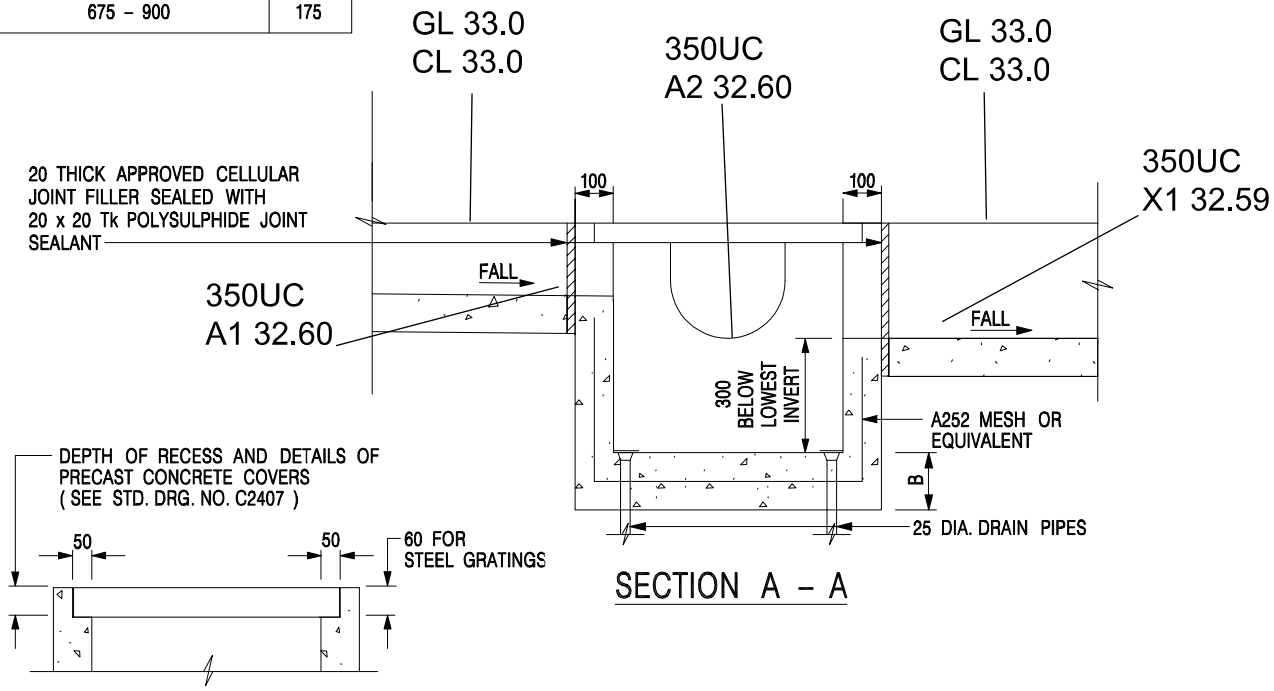
(SHEET 1)

SCALE 1 : 20	DRAWING NO. C2405 /1



PLAN

NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
225 – 600	150
675 – 900	175



SECTION A – A

NOTES:

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

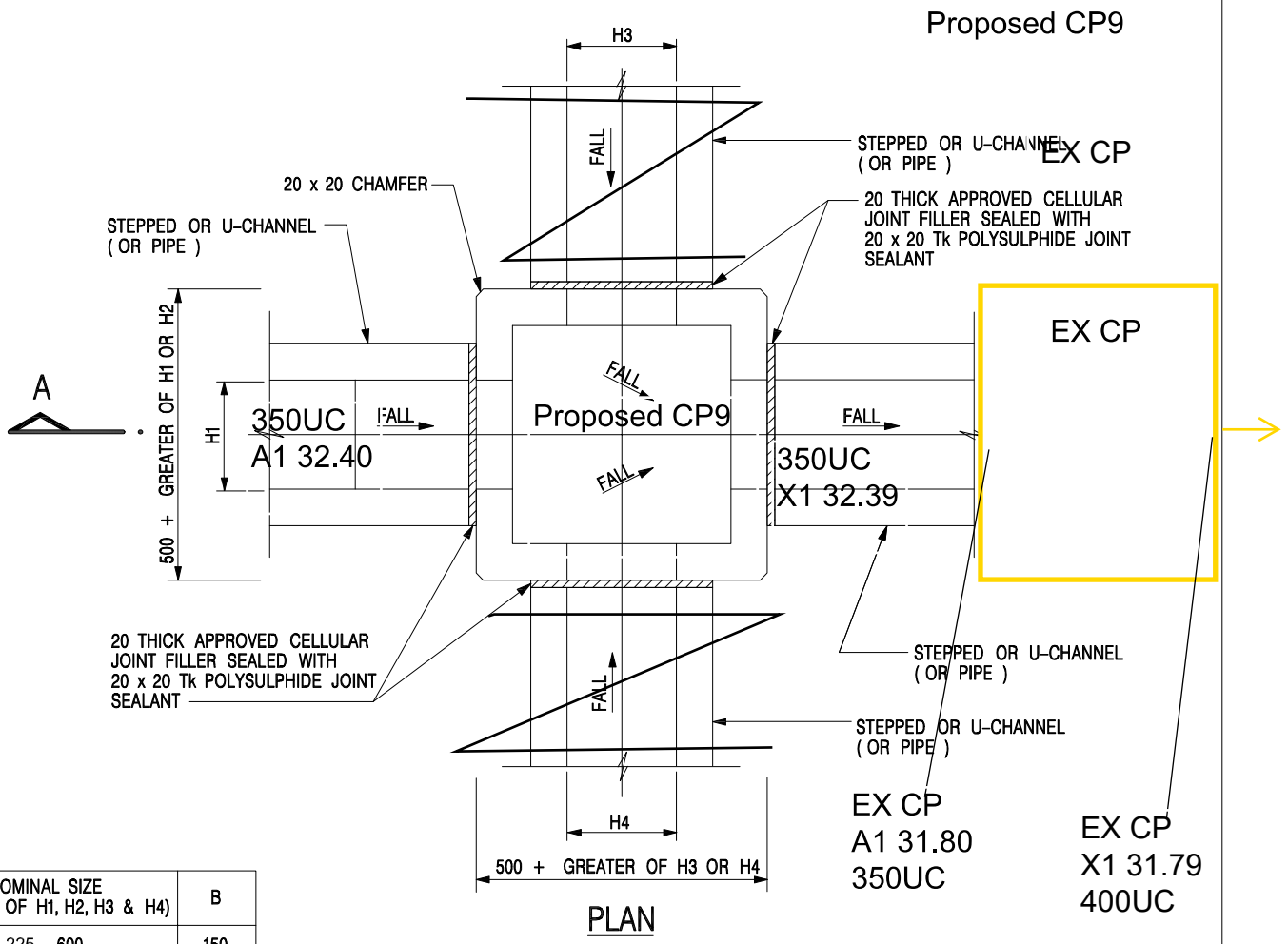
b6

REF.	REVISION	SIGNATURE	DATE
–		Original Signed	

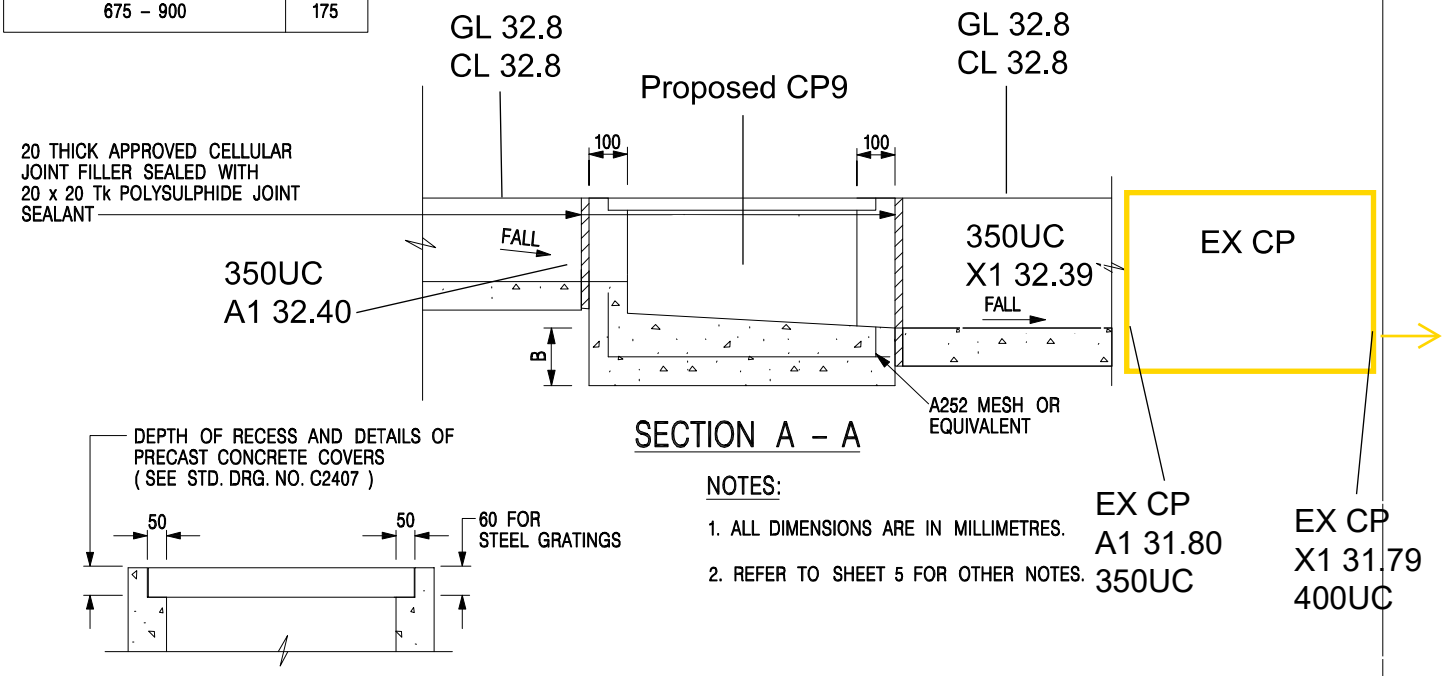
CATCHPIT WITH TRAP

(SHEET 1)

SCALE 1 : 20	DRAWING NO. C2406 /1
DATE	



NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
225 – 600	150
675 – 900	175



NOTES:

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

EX CP
A1 31.80
350UC

EX CP
X1 31.79
400UC

ALTERNATIVE TOP SECTION FOR PRECAST CONCRETE COVERS / GRATINGS

b7

REF.	REVISION	SIGNATURE
–		Original Signed

STANDARD CATCHPIT DETAILS (SHEET 1)

SCALE 1 : 20

DRAWING NO. C2405 /1

= EX 400UC / 500UCC & Fall

all

=EX 4000 Nullah & Fall

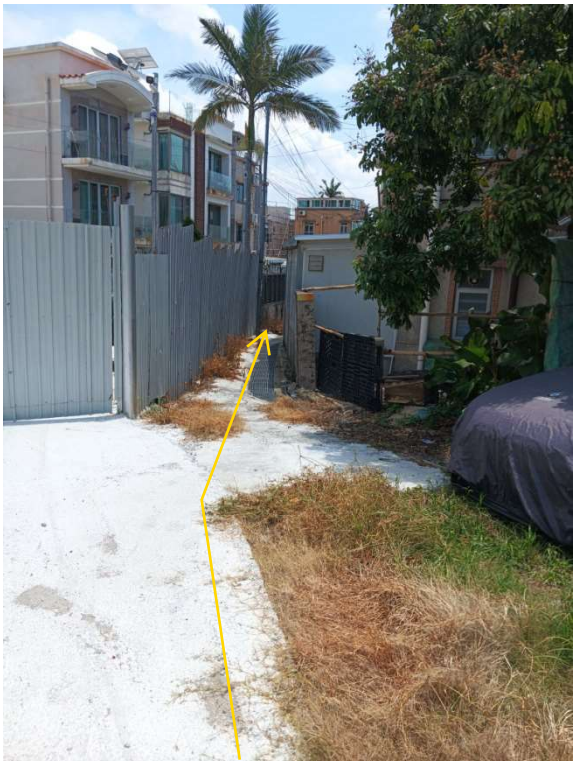
=Proposed 350UC & Fall

=EX 600UC / 600UCC & Fall

1

2

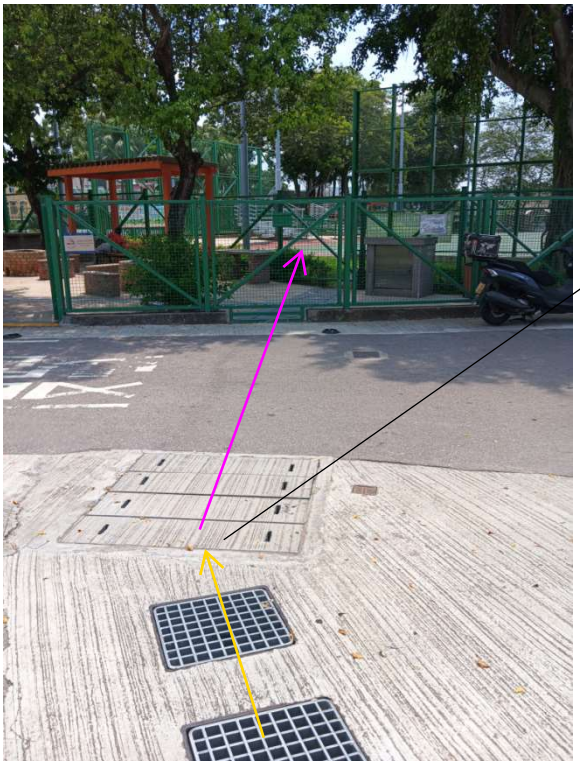
3



4

5

6



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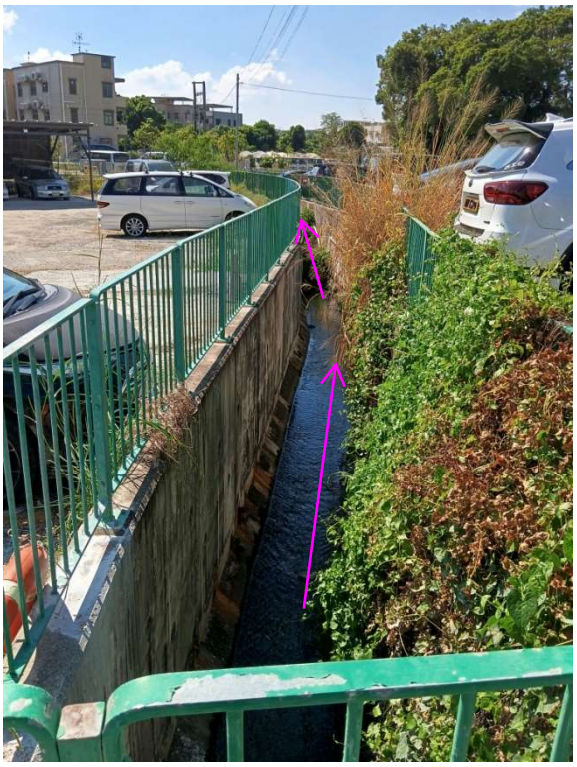
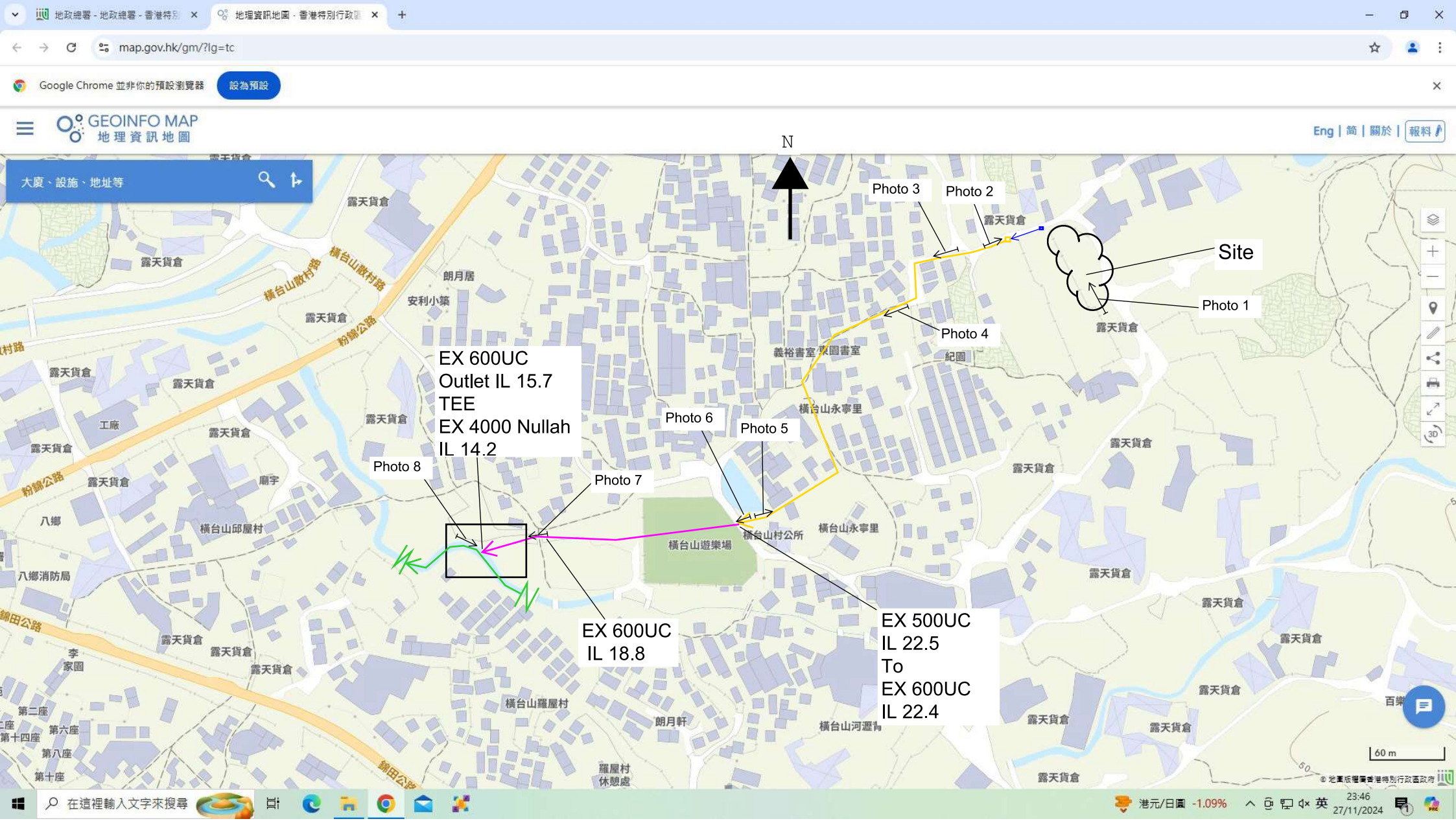


8


EX 600UC
Outlet IL 15.7
TEE
EX 4000 Nullah
IL 14.2
EX 4000 Nullah



= EX 400UC / 500UCC & Fall

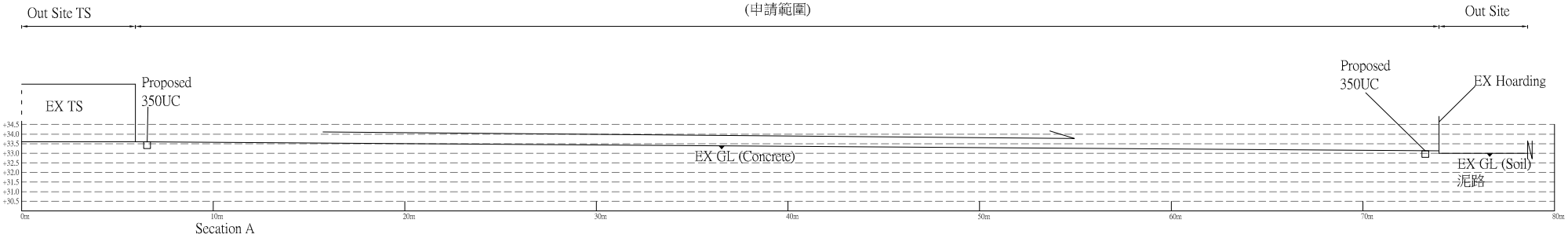
=EX 4000 Nullah & Fall

=Proposed 350UC & Fall

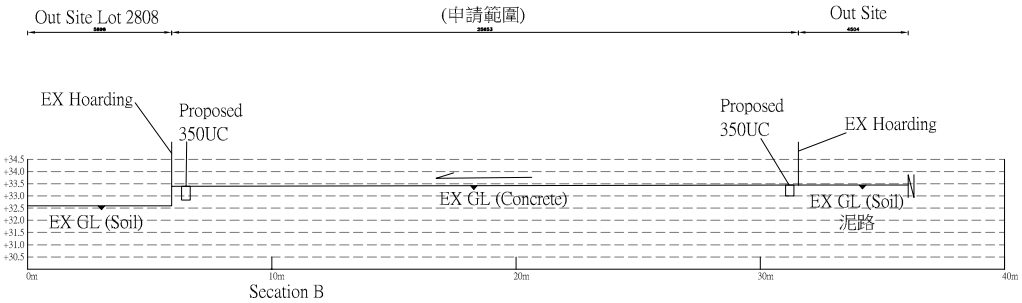
=EX 600UC / 600UCC & Fall

Photo Location Plan

c2



Secation A



Secation B

d1 Secation

Scale : 1:300 A4