

規劃申請編號：TPB/A/YL-PH/1026

地點：DD111-LOT 2902號(部份), 2905號(部份), 2909號(部份), 2910號(部份), 2911號(部份)

地址：新界八鄉橫台山永寧里

致：城市規劃委員會

由於申請場地的地形為長方形，空間實在有限，需預留場地中心位置以停泊輕型客貨車，因此無法移開貨櫃而使其與場地圍牆之間預留 2 米通道，及與遮蔭棚等臨時搭建物之間預留 4.5 米距離；但承諾將會嚴格執行其他露天貯物守則，包括滅火筒、防火沙桶、可燃或不可燃貨物堆等的擺放距離、密度及高度限制，場地內亦嚴禁一切燃燒／點燃物件、生火、煮食、吸煙等活動。



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授權人

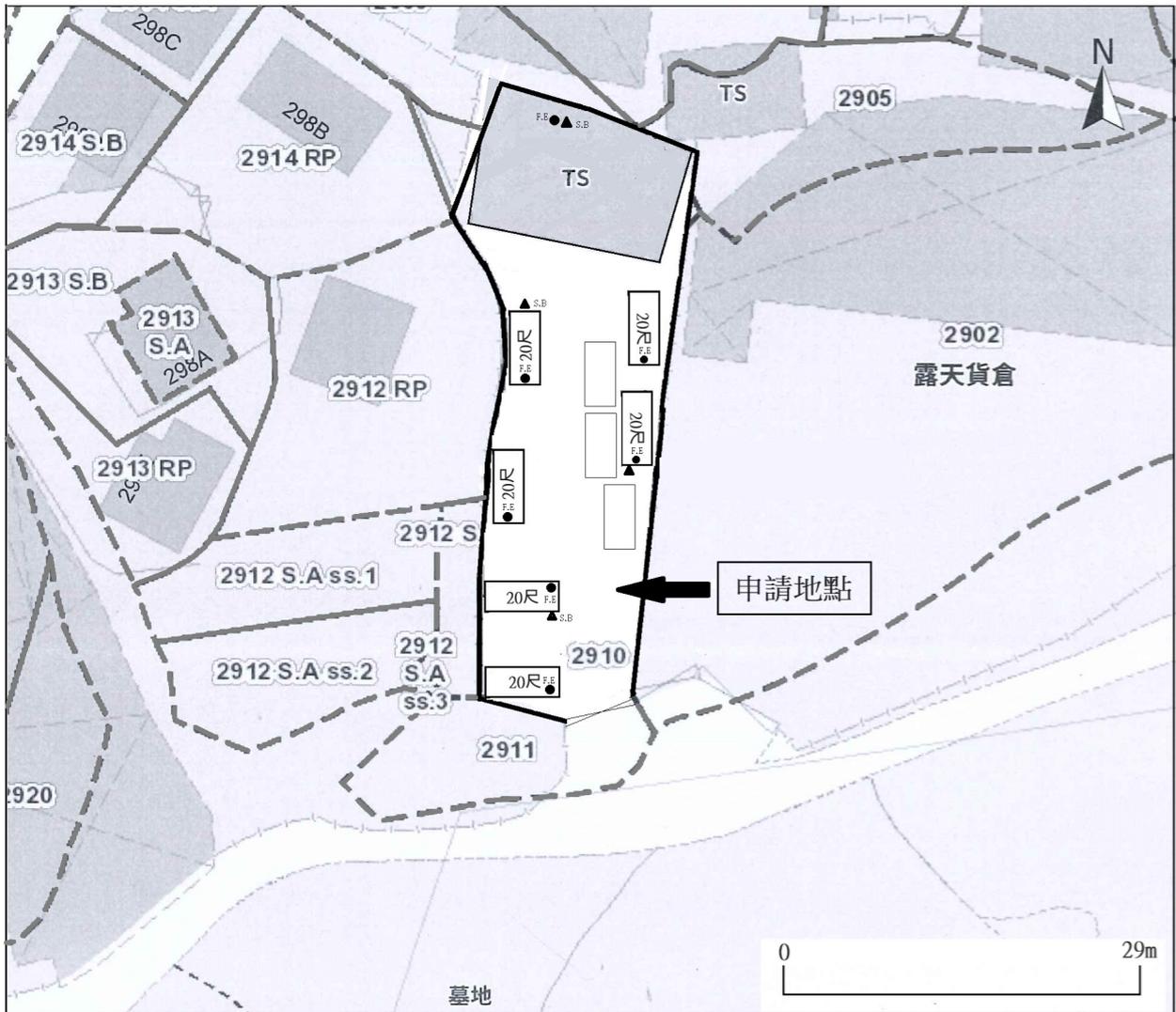
2024 年 10 月 31 日

# 消防設備位置圖

新界元朗八鄉永寧里丈量約份第111約地段第2902號(部份)、  
2905號(部份)、2909號(部份)、2910號(部份)、2911號(部份)

| 圖樣  | 解釋                               |
|---|----------------------------------|
|  | 綠色有坑鐵皮圍牆，高8尺                     |
|  | 遮蔭棚由支柱構成，上蓋面積 172.22 平方米<br>高約3米 |
|  | 輕型客貨車上落客貨車位(長5.3米X闊2.5米)X3       |
|  | 存放五公斤乾粉式滅火桶 X 7支                 |

| 圖樣  | 解釋                          |
|---|-----------------------------|
|  | 門口位置(6.11米)                 |
|  | 長6.10米X寬2.44米X高2.62米儲物用途 X6 |
|  | 地界                          |
|  | 存放防火沙桶 X4個                  |



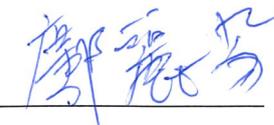
致: 城規會

城規會編號: TPB/A/YL-PH/1026

**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. 申請人聘任了李偉良先生作此次渠務顧問

2024年10月20日



授權人



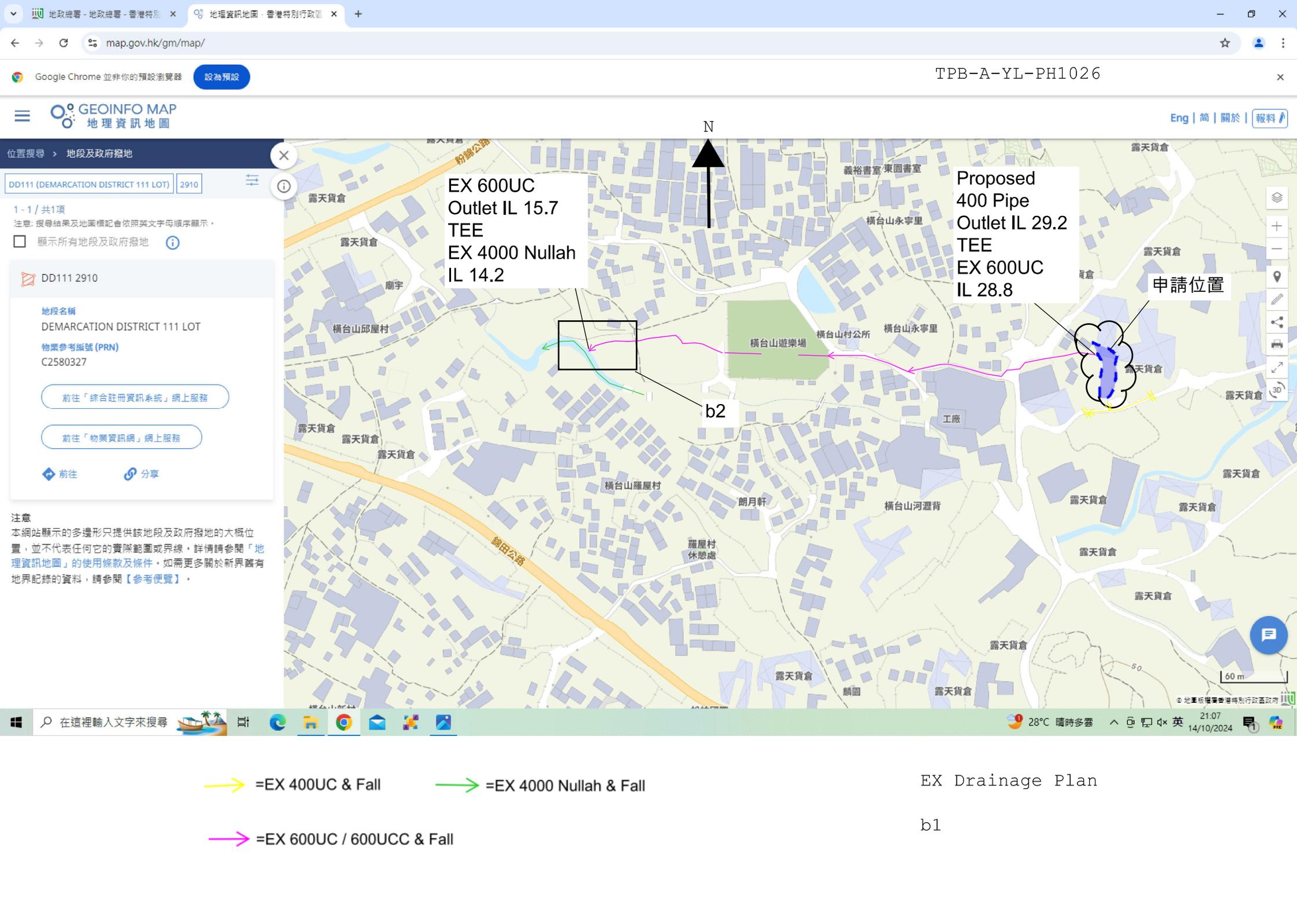
渠務顧問

**申請編號 TPB-A-YL-PH1026**

**提議雨水渠務報告(Proposed)**

**簡介**

|       |   |
|-------|---|
| b1~b2 | EX Drainage Location                        |
| b3~b4 | Site Location, Catchmant, Proposed Drainage |
| b5    | 雨水計算  |
| b6~b7 | Proposed UC, Proposed MH                    |
| c1~c2 | 現場相片和拍照位置                                   |
| d1    | Section Plan                                |



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

Proposed  
400 Pipe  
Outlet IL 29.2  
TEE  
EX 600UC  
IL 28.8

申請位置

b2

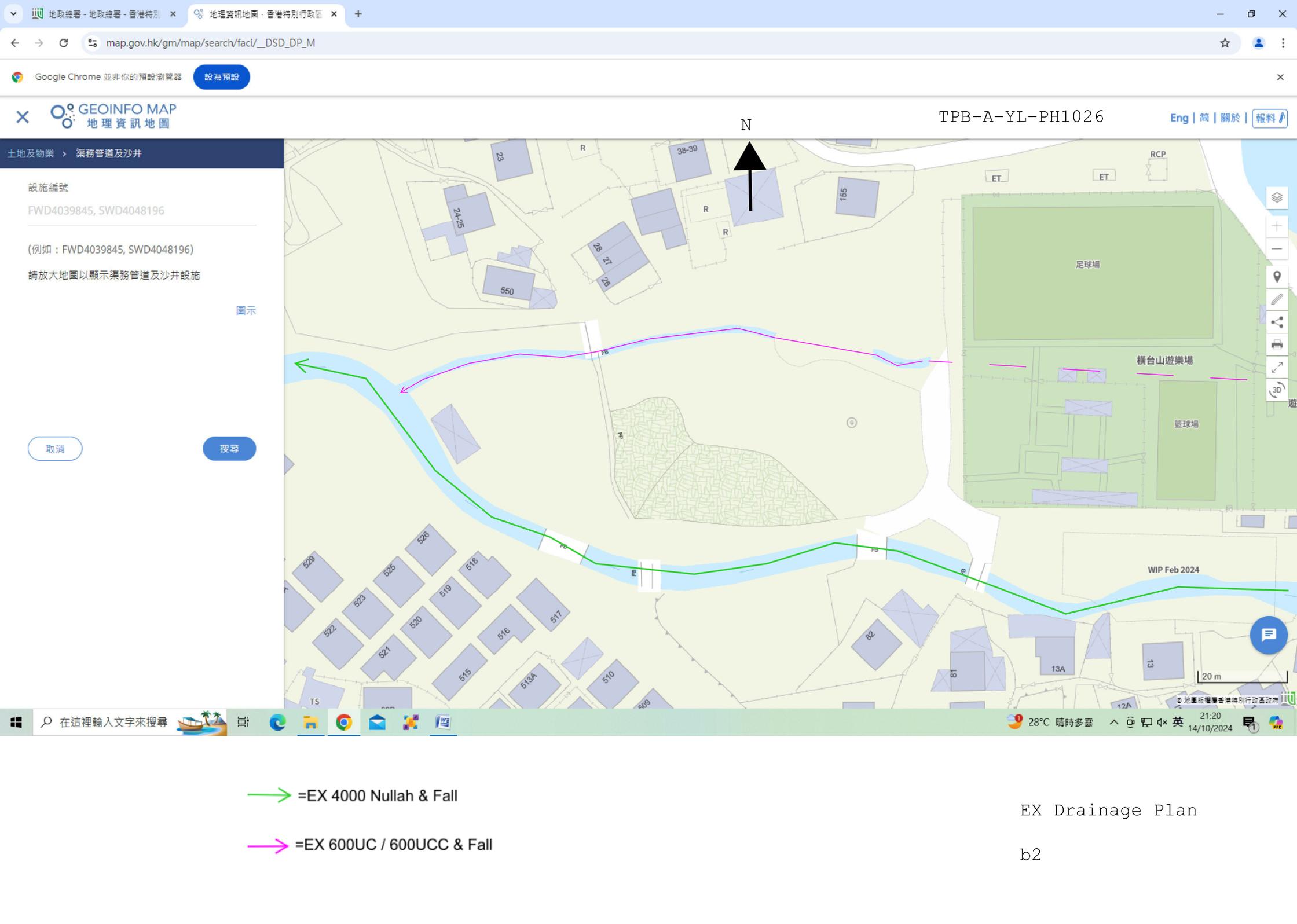
→ =EX 400UC & Fall

→ =EX 4000 Nullah & Fall

→ =EX 600UC / 600UCC & Fall

EX Drainage Plan

b1



土地及物業 > 渠務管道及沙井

設施編號  
FWD4039845, SWD4048196

(例如：FWD4039845, SWD4048196)  
請放大地圖以顯示渠務管道及沙井設施

圖示

取消

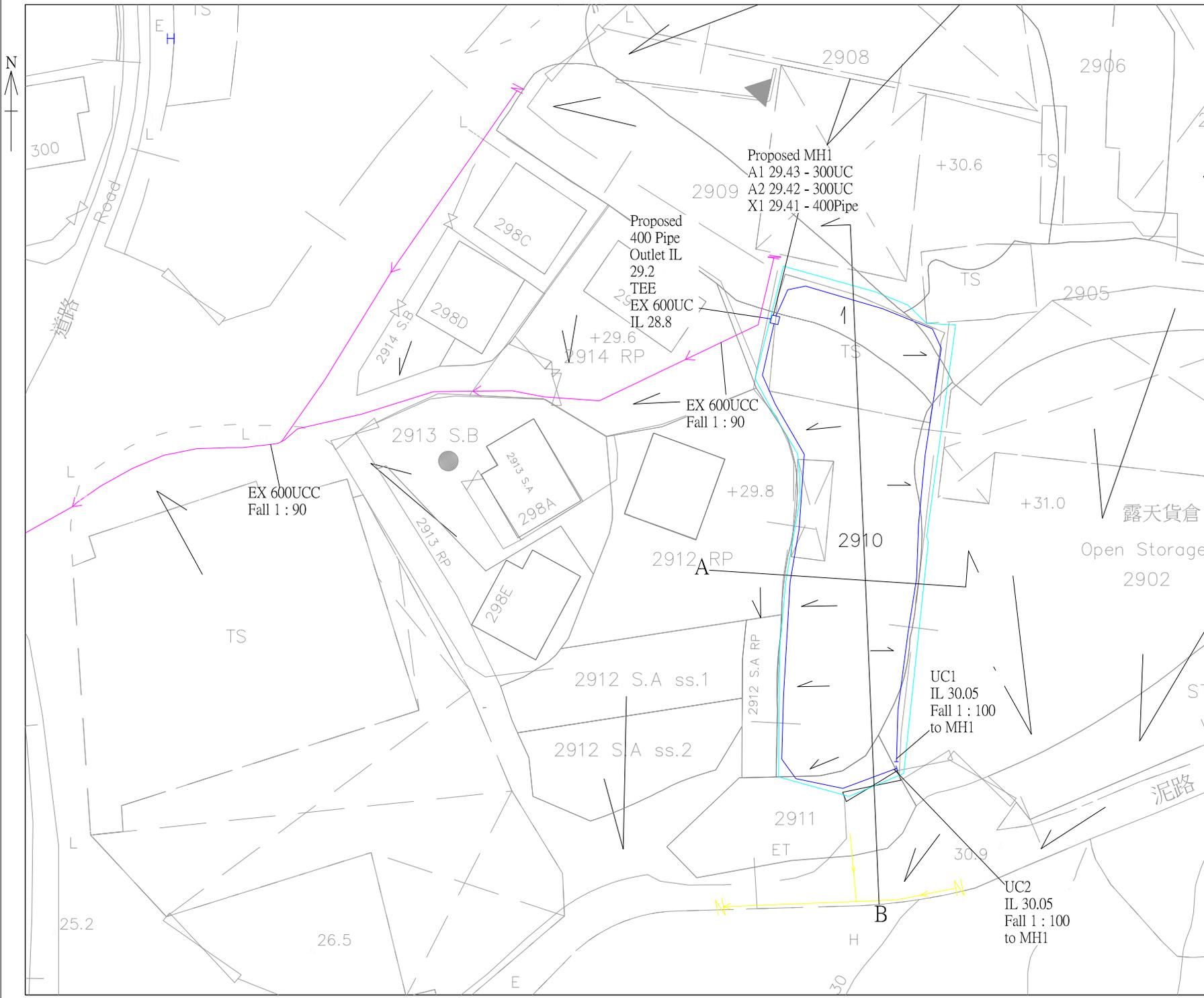
搜尋

→ =EX 4000 Nullah & Fall

→ =EX 600UC / 600UCC & Fall

EX Drainage Plan

b2



LEGEND :

|   |  |
|---|--|
| Existing 600UC / 600UCC :                 |  |
| EX 400 UCC :                              |  |
| Fall :                                    |  |
| Fall :                                    |  |
| Fall :                                    |  |
| Cross Fall :                              |  |
| Site Boundary & Catchment area 727.4sqm : |  |
| Site Boundary EX Ground Level +30.4 :     |  |
| Proposed 300UC                            |  |
| Proposed 400 Pipe                         |  |
| Proposed MH1 :                            |  |

Proposed drainage plan 雨水

LOCATION :

**TPB-A-YL-PH1026**

Scale : N.T.S.

Date : 2024 10 18

Drawing number :

Drawing : b3

申請編號 TPB-A-YL-PH1026

| TYPE / DRAWING | MH no | GL    | CL    | A I.L                                | X I.L              | TO MH / Existing | % Fall  |
|----------------|-------|-------|-------|--------------------------------------|--------------------|------------------|---------|
| C2406/1        | MH1   | 30.40 | 30.90 | A1 29.43 - 300UC<br>A2 29.43 - 300UC | X1 29.41 - 400Pipe | ECX 600UC        | 1 : 40  |
| UC1            |       | 30.40 | 30.40 |                                      | X1 30.05 - 300UC   | MH1              | 1 : 100 |
| UC2            |       | 30.40 | 30.40 |                                      | X1 30.05 - 300UC   | MH1              | 1 : 100 |



**Rational method**

$Q = C i A$

$i =$  rainfall intensity

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

城規會編號 TPB-A-YL-PH1026  
Proposed 300UC / 400Pipe

|     |         |
|-----|---------|
| L = | 0.14465 |
| H = | 119.49  |
| A = | 0.3     |
|     | 727.4   |

|          |         |         |                |
|----------|---------|---------|----------------|
| Concrete | L =     | 0.14465 |                |
|          | L =     | 119.49  | m              |
|          | H =     | 0.3     | m              |
|          | A =     | 727.4   | m <sup>2</sup> |
|          | $t_0 =$ | 11.38   | min            |

|                             |             |              |      |      |   |      |
|-----------------------------|-------------|--------------|------|------|---|------|
| 10 Year Rainwater Intensity | intensity   | 180          | m/hr |      |   |      |
|                             |             | 0.18         | /    | 3600 | * | 1.16 |
|                             | intensity = | 0.000058 m/s |      |      |   |      |

$Q_p = C \times i \times A$

|         |                           |                |
|---------|---------------------------|----------------|
| C =     | 0.95                      |                |
| i =     | 0.000058                  | m/s            |
| A =     | 727.4                     | m <sup>2</sup> |
| $Q_p =$ | 0.04008 m <sup>3</sup> /s |                |

**城規會編號 TPB-A-YL-PH1026**

Q(m discharge of open channel) 0.121094 m<sup>3</sup>/s



|             |      |               |          |
|-------------|------|---------------|----------|
| Area        | =    | 0.3 * 0.3     | 0.09     |
| P           | =    | 0.3 * 2 + 0.3 | 0.9      |
| $R_h$       | =    |               | 0.1      |
| n           | =    | 0.016         | Concrete |
| $S_0 = H/L$ | 0.01 | 1             | 0.01     |



城規會編號 TPB-A-YL-PH1026  
Q(m<sup>3</sup>/s) = 0.121094 m<sup>3</sup>/s

城規會編號 TPB-A-YL-PH1026  
Q(m<sup>3</sup>/s) = 0.121094 m<sup>3</sup>/s

10 Year Rainwater Intensity 300mm channel

Concrete Q(m<sup>3</sup>/s) = 0.04008 m<sup>3</sup>/s

城規會編號 TPB-A-YL-PH1026

|                        |           |
|------------------------|-----------|
| % =                    | 0.121094  |
| % =                    | 0.04008   |
| Q(m <sup>3</sup> /s) = | 33.1 % OK |

Drainage Impact assessment report of 300 mm channel is Acceptable

TPB-A-YL-PH1026 Proposed 400mm Concrete Pipe



S = 0.04

$$\cos \theta = \frac{h - (0.38 * D)}{0.4 * D} = 0.9 = 60^\circ$$

|   |  |  |  |  |   |                               |
|---|--|--|--|--|---|-------------------------------|
| S = H/L   |  |  |  |  | = | 0.04 m                        |
| P = 2/3 * 3.141592654 * D   |  |  |  |  | = | 0.83817692 m                  |
| A = 2/3 * (3.141592654/4 * D^2) + (D^2/4 * sin theta * cos theta) |  |  |  |  | = | 0.100647112 m <sup>2</sup>    |
| R <sub>n</sub> = A / P  |  |  |  |  | = | 0.120078601 m                 |
| n = 0.014   |  |  |  |  | = | 0.014                         |
| Q = 1/n * A * R <sub>n</sub> <sup>-2/3</sup> * S <sup>1/2</sup>   |  |  |  |  | = | 0.349956197 m <sup>3</sup> /S |

TPB-A-YL-PH1026 to (Proposed 400pipe)

% = 0.349956

% = 0.04008

Q(m<sup>3</sup>/s) = 11 % OK

Drainage Impact assessment report of 400mm pipe is Acceptable

**DD111 EX 600UC**

Q(m discharge of open channel) 0.909984 m³/s



|                      |   |             |                |
|----------------------|---|-------------|----------------|
| Area                 | = | 0.6 * 0.6   | 0.36           |
| P                    | = | 0.6+0.6+0.6 | 1.8            |
| R <sub>n</sub>       | = |             | 0.200          |
| n                    | = |             | 0.016 Concrete |
| S <sub>0</sub> = H/L |   | 0.014       | 1 0.014        |



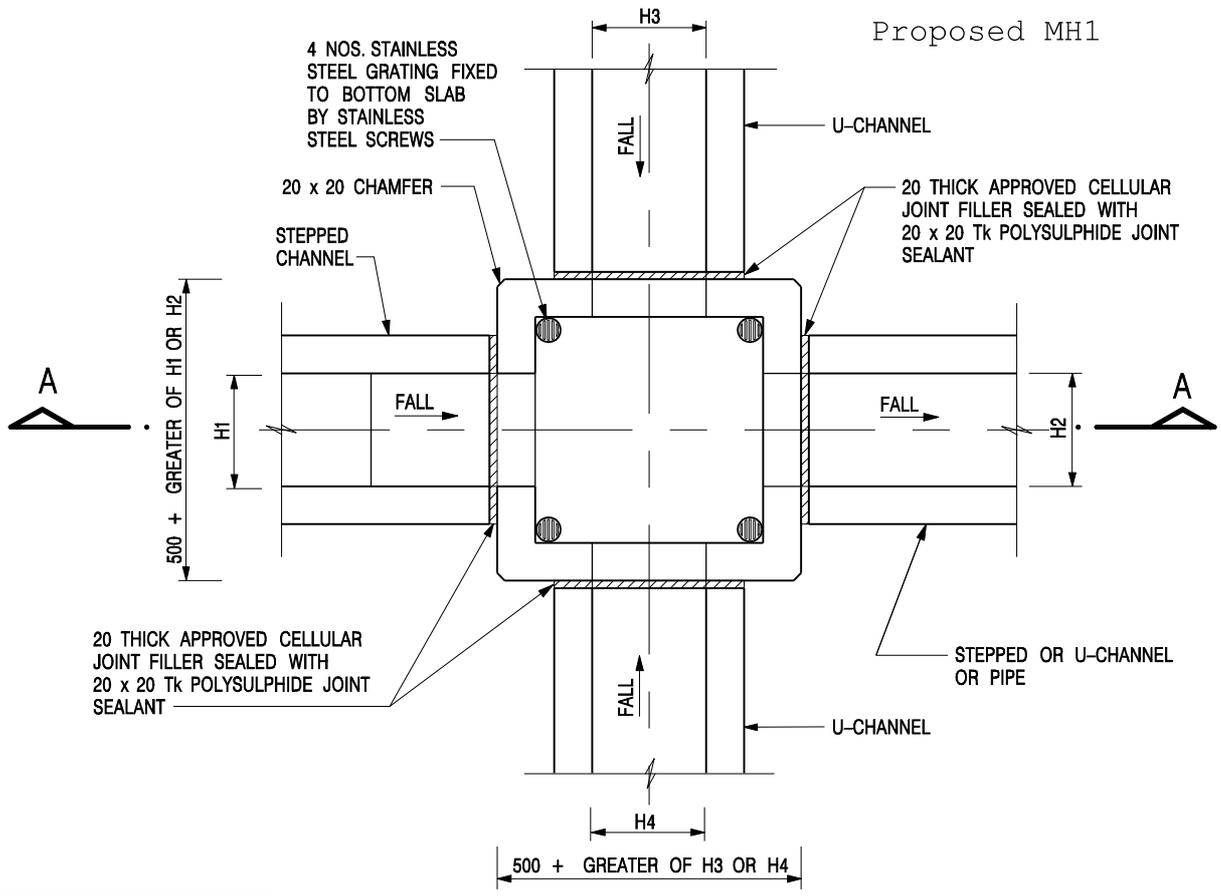
DD111 EX 600UC  
Q(m³/s) = 0.909984 m³/s

DD111 EX 600UC  
Q(m³/s) = 0.909984 m³/s

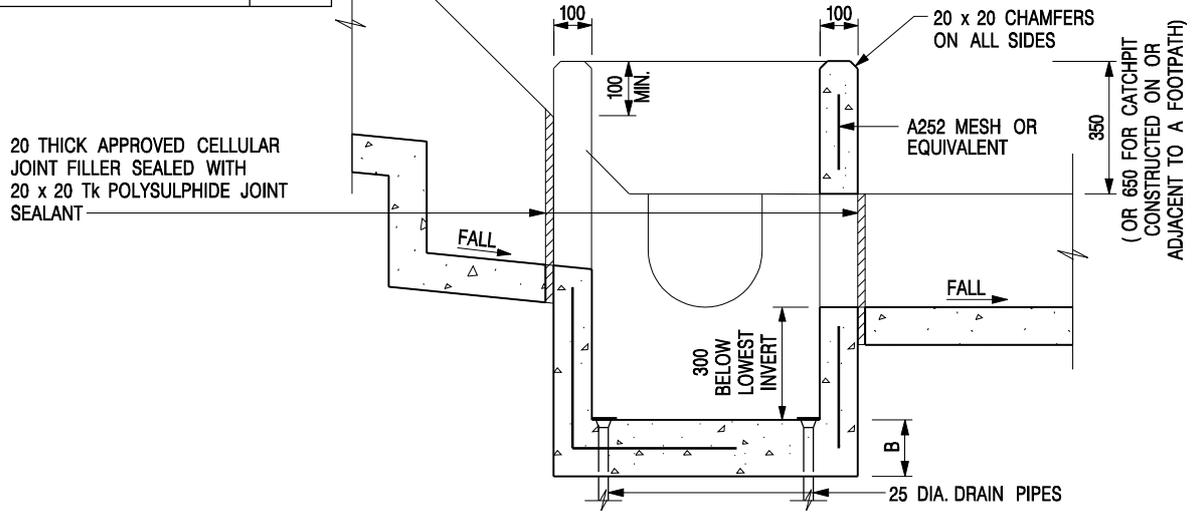
10 Year Rainwater Intensity  
Q(m³/s) = 0.04008 m³/s

TPB-A-YL-PH1026 to (D.D.111 Existing 600UC)  
% = 0.909984  
% = 0.04008  
Q(m³/s) = 4.4 % OK

Drainage Impact assessment report of 600mm UC is Acceptable



| NOMINAL SIZE<br>(LARGEST OF H1, H2, H3 & H4) | B   |
|--|-----|
| 225 - 600                                    | 150 |
| 675 - 900                                    | 175 |



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

b6

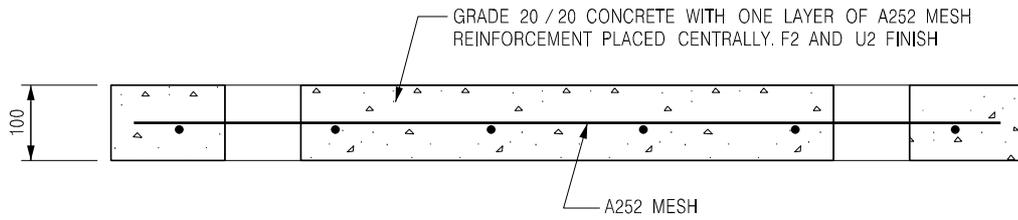
|      |                         |                 |         |
|------|-------------------------|-----------------|---------|
| -    | FORMER DRG. NO. C2406J. | Original Signed | 03.2015 |
| REF. | REVISION                | SIGNATURE       | DATE    |

**CATCHPIT WITH TRAP**  
(SHEET 1 OF 2)

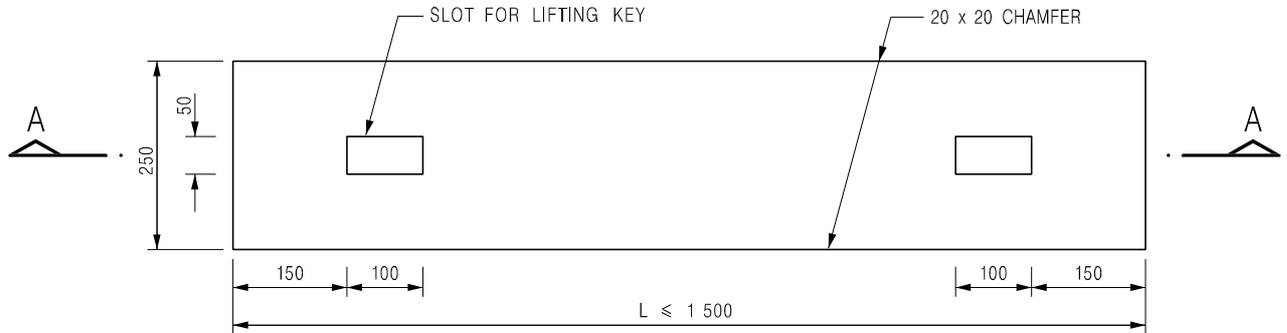
**CEDD** CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 20      DRAWING NO. C2406 /1

DATE JAN 1991

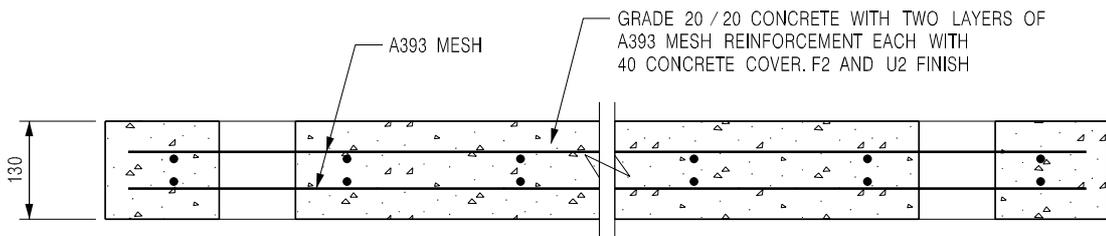


SECTION A - A

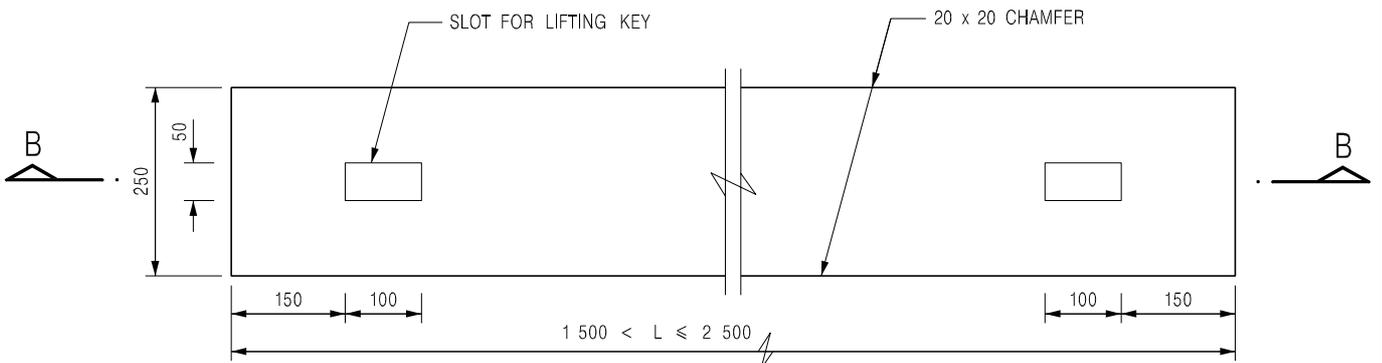


PLAN

TYPE 1 - FOR SPAN UP TO 1.5 m



SECTION B - B



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.

b6

|      |                             |                 |         |
|------|-----------------------------|-----------------|---------|
| 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



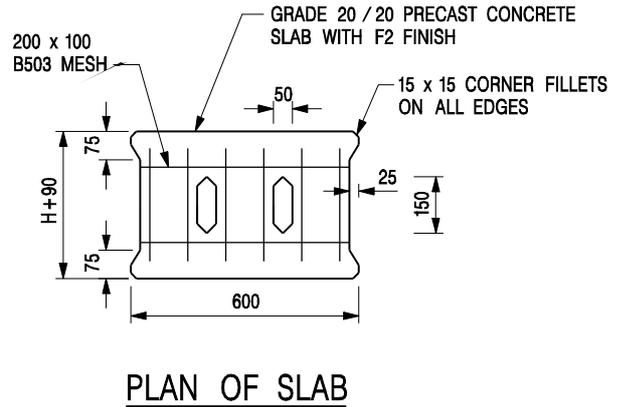
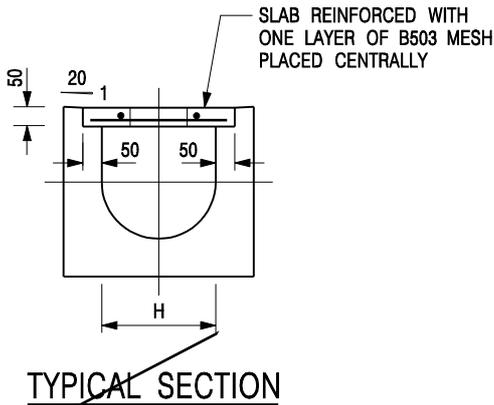
CIVIL ENGINEERING AND  
DEVELOPMENT DEPARTMENT

SCALE 1 : 10

DATE JAN 1991

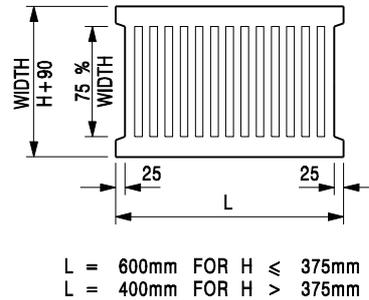
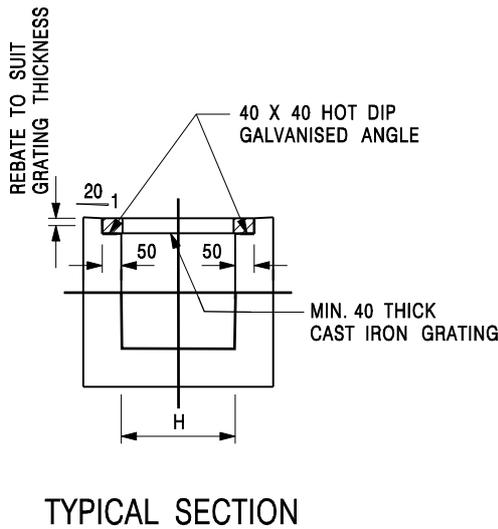
DRAWING NO.

C2407B



**U-CHANNELS WITH PRECAST CONCRETE SLABS**

(UP TO H OF 525)



(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.

b7

|             |                                |                  |             |
|-------------|--------------------------------|------------------|-------------|
| 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     |
| <b>REF.</b> | <b>REVISION</b>                | <b>SIGNATURE</b> | <b>DATE</b> |

**COVER SLAB AND CAST IRON GRATING FOR CHANNELS**



**CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT**

**SCALE** 1 : 20

**DRAWING NO.**

**DATE** JAN 1991

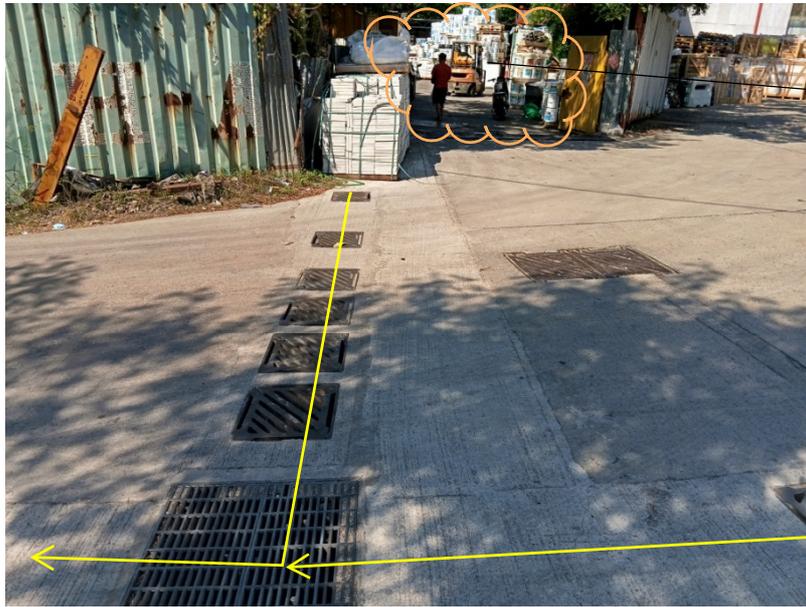
**C2412E**

→ =EX 400UC & Fall

→ =EX 4000 Nullah & Fall

→ =EX 600UC / 600UCC & Fall

1



申請位置

2



3



申請位置

4



5



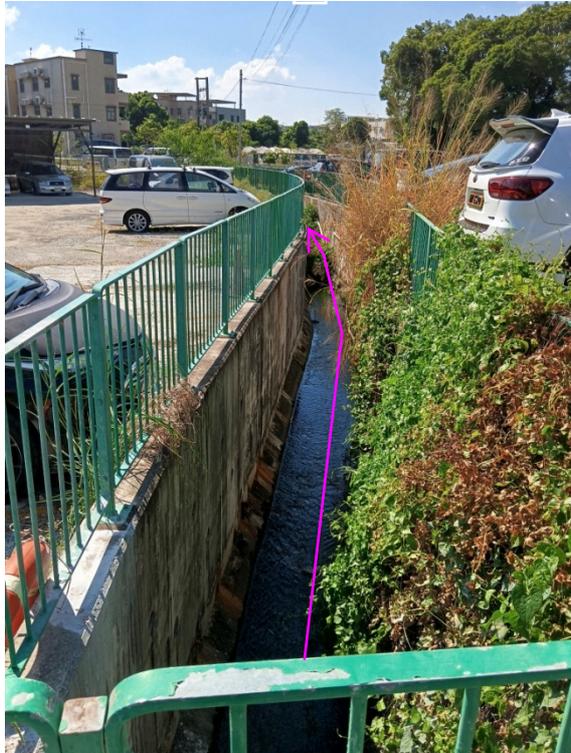
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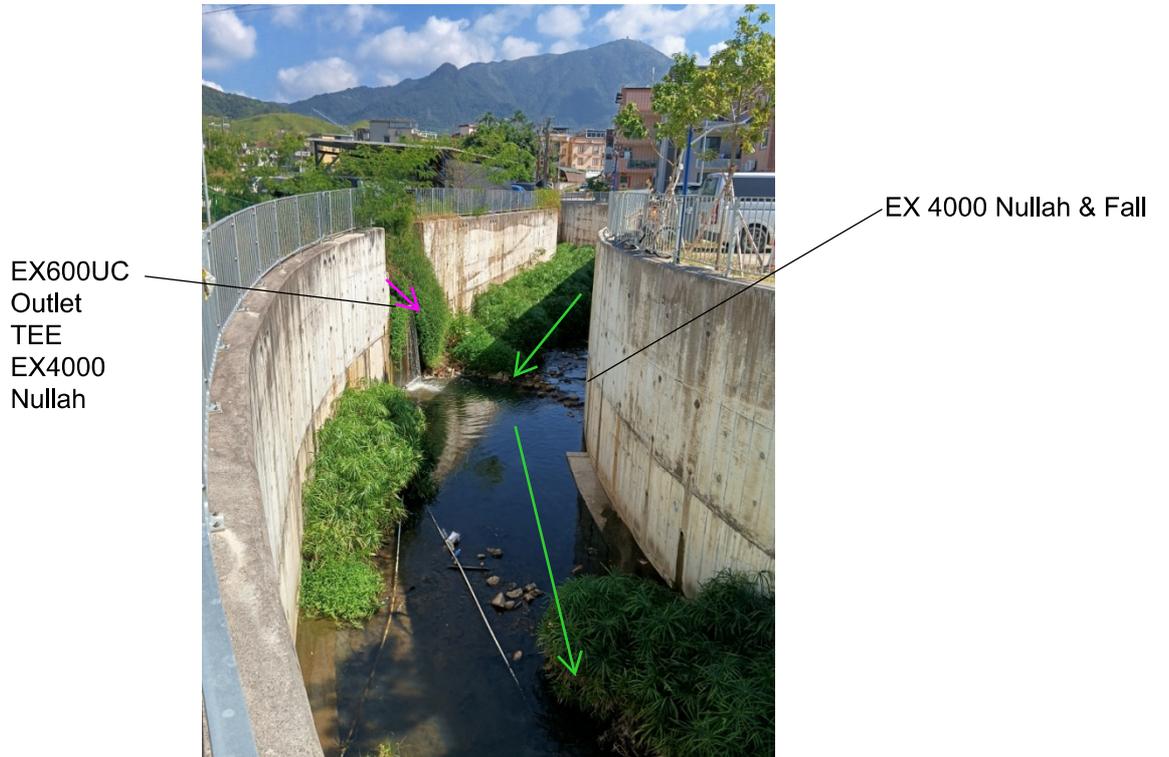


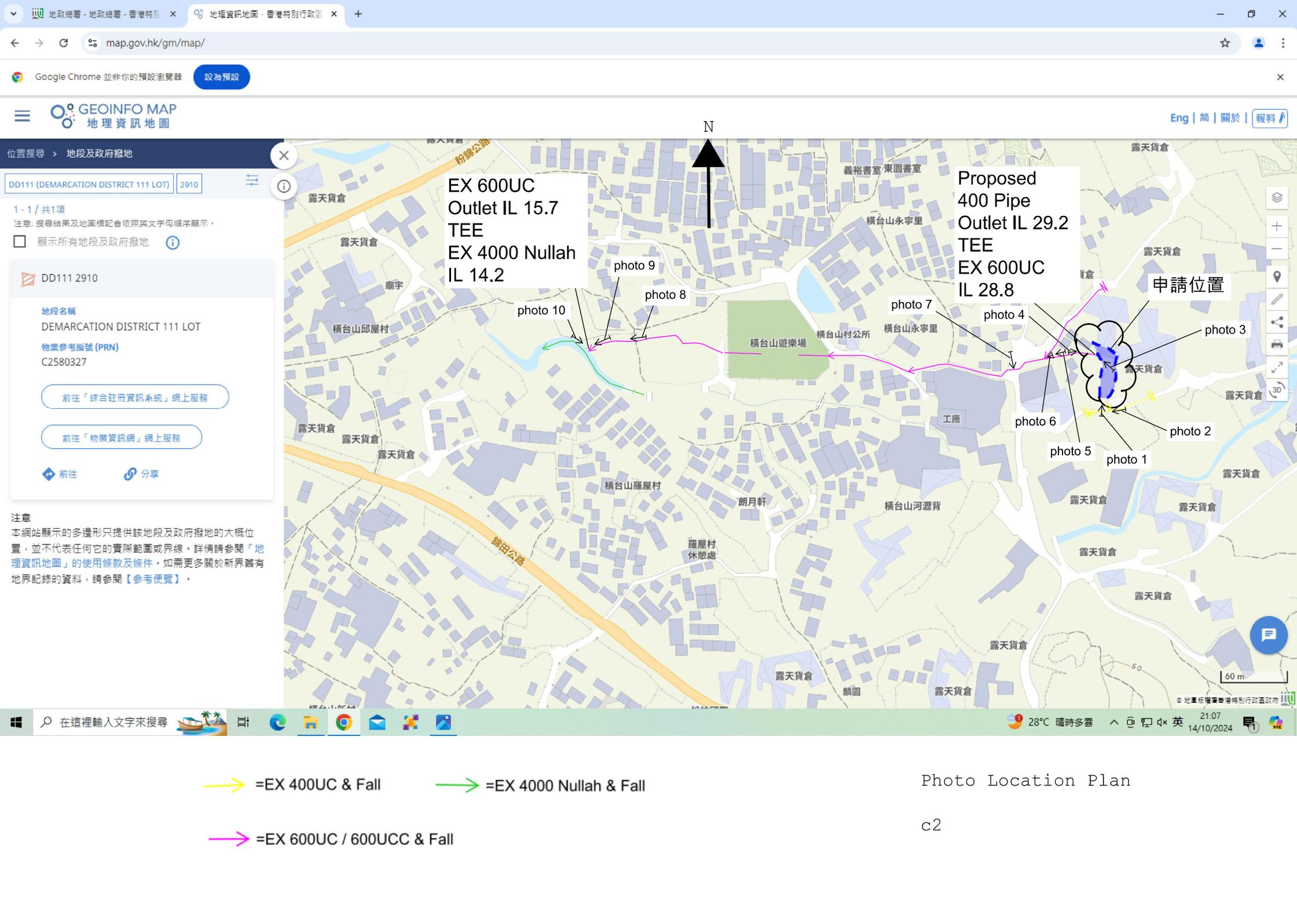
7



8







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

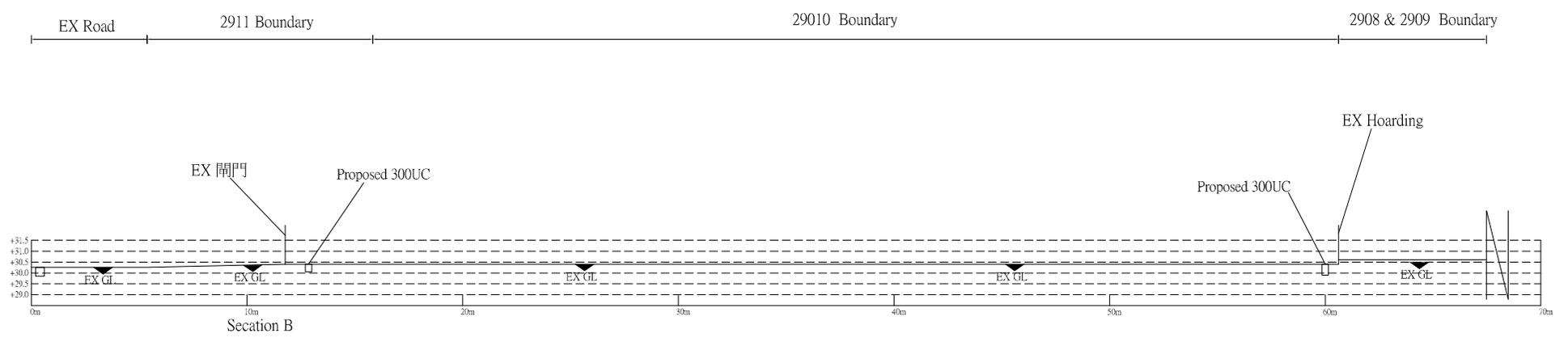
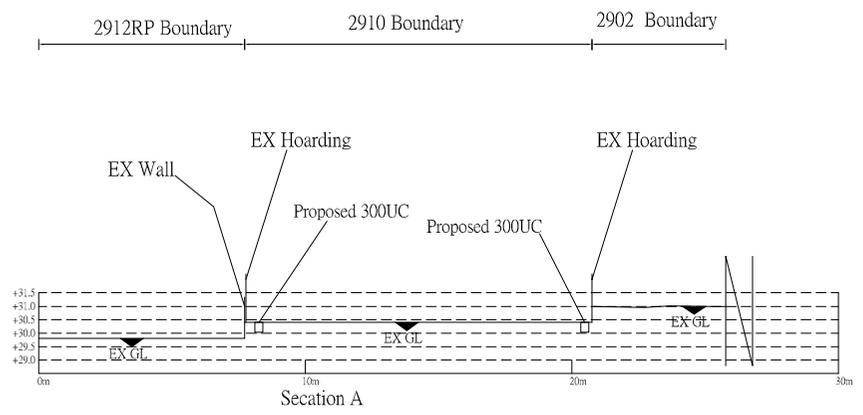
Proposed  
400 Pipe  
Outlet IL 29.2  
TEE  
EX 600UC  
IL 28.8

申請位置

- =EX 400UC & Fall
- =EX 4000 Nullah & Fall
- =EX 600UC / 600UCC & Fall

Photo Location Plan

c2



d1 Section  
Scale : 1:200 A3