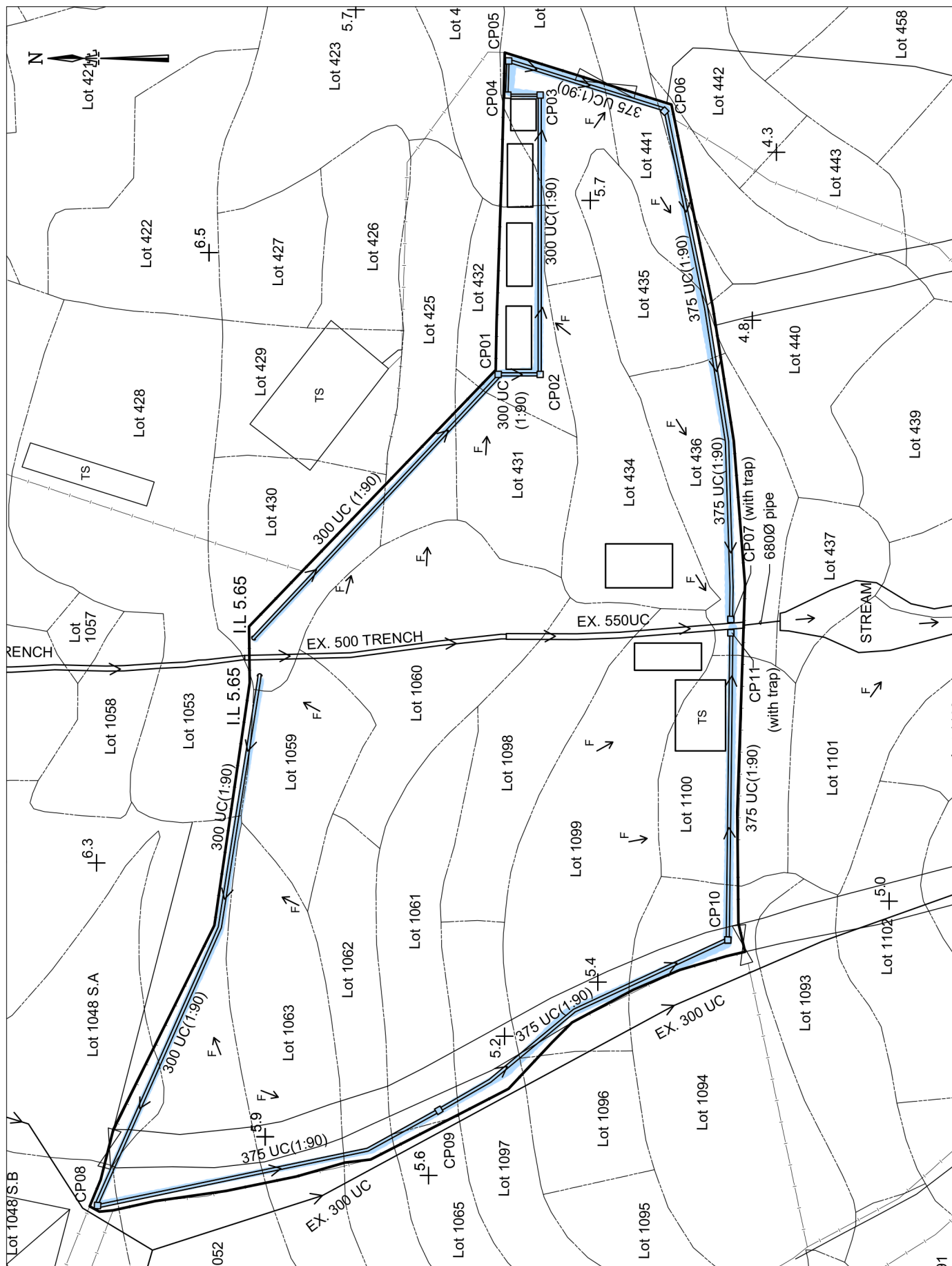




STORMWATER & SEWERAGE DRAINAGE PLAN  
(SCALE 1 : 300)

**APPLICATION SITE**

Lot 424(Part), 425(Part), 430(Part), 431(Part),  
432(Part), 433(Part), 434, 435, 436(Part), 440(Part),  
441(Part) in DD17  
and  
1048 S.A(Part), 1048 S.B(Part), 1052(Part),  
1053(Part), 1059, 1060, 1061, 1062(Part),  
1063(Part), 1065(Part), 1094(Part), 1097(Part),  
1098, 1099(Part), 1100(Part) in DD29  
Ting Kok Village, Tai Po, N.T.

**DRAWING TITLE**

STORMWATER  
DRAINAGE WORK

**DRAWING NO.**

ST-1B

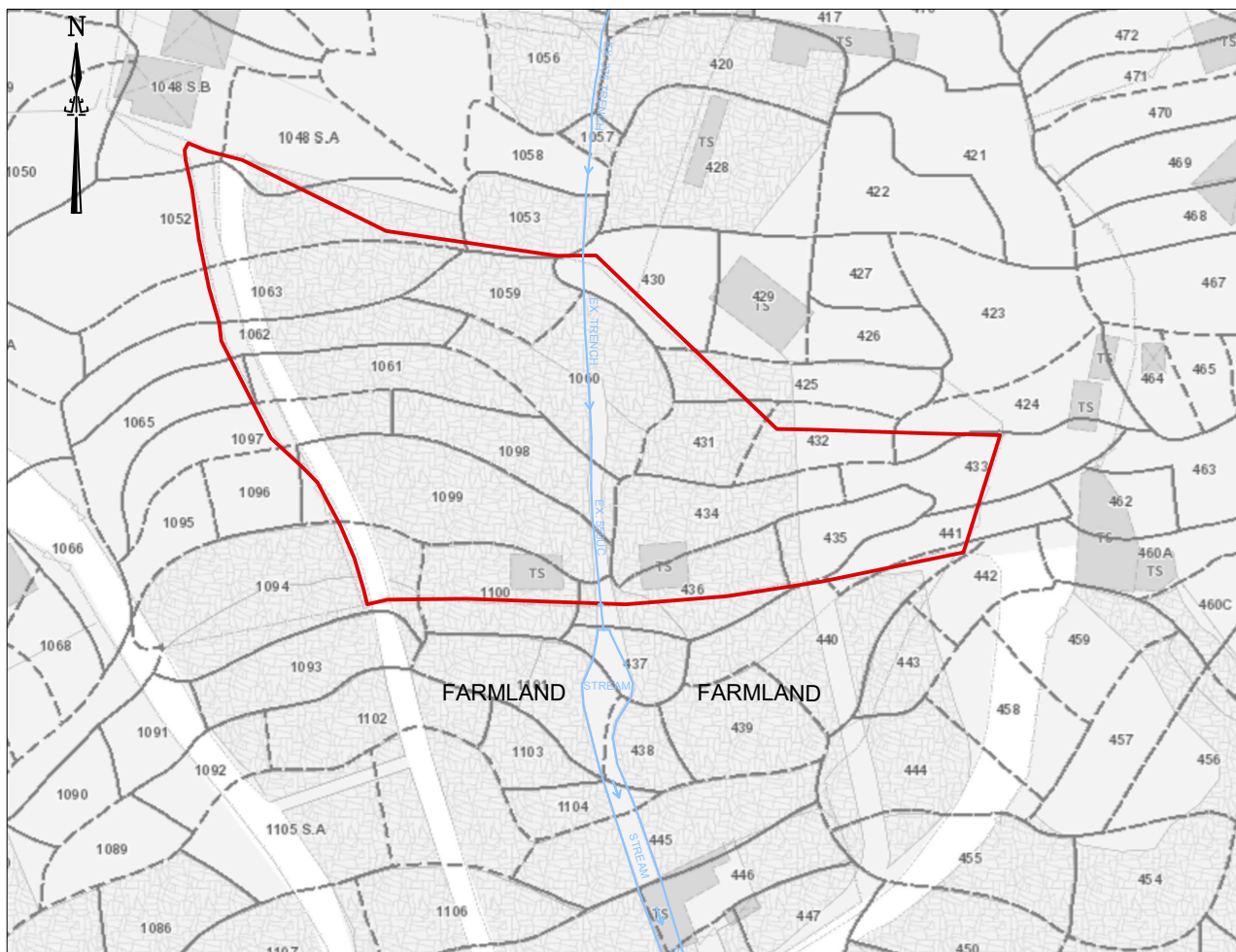
**DRAWING DATE**

13 MAY 2026

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**BLOCK PLAN**  
(SCALE 1 : 1000)

| CATCHPIT                                          | C L  | A 1  | A 2   | X 1  |
|---------------------------------------------------|------|------|-------|------|
| CP01<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 5.28 | ----- | 5.28 |
| CP02<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 5.25 | ----- | 5.25 |
| CP03<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 4.97 | ----- | 4.97 |
| CP04<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 4.95 | ----- | 4.95 |
| CP05<br>(CEDD DRAWING NO. C2405/1)                | 5.20 | 4.80 | ----- | 4.80 |
| CP06<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 4.65 | ----- | 4.65 |
| CP07<br>(WITH TRAP)<br>(CEDD DRAWING NO. C2406/1) | 5.20 | 4.67 | ----- | 4.67 |
| CP08<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 5.07 | ----- | 5.07 |
| CP09<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 4.71 | ----- | 4.71 |
| CP10<br>(CEDD DRAWING NO. C2405/1)                | 5.70 | 4.37 | ----- | 4.37 |
| CP11<br>(WITH TRAP)<br>(CEDD DRAWING NO. C2406/1) | 5.20 | 4.06 | ----- | 4.06 |

#### LEGEND

-  PROPOSED STORMWATER U-Channel
-  PROPOSED STORMWATER CATCHPIT
-  LOT BOUNDARY
-  BUILDING LINE
-  SUBJECT BUILDING
-  APPLICATION FOR STORMWATER DRAINAGE WORK
-  SITE PHOTO VIEW

#### APPLICATION SITE

Lot 424(Part), 425(Part), 430(Part), 431(Part), 432(Part), 433(Part), 434, 435, 436(Part), 440(Part), 441(Part) in DD17 and 1048 S.A(Part), 1048 S.B(Part), 1052(Part), 1053(Part), 1059, 1060, 1061, 1062(Part), 1063(Part), 1065(Part), 1094(Part), 1097(Part), 1098, 1099(Part), 1100(Part) in DD29 Ting Kok Village, Tai Po, N.T.

#### DRAWING TITLE

STORMWATER DRAINAGE WORK

#### DRAWING NO.

ST-2B

#### DRAWING DATE

13 MAY 2026

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PHOTO - 01



PHOTO - 02



PHOTO - 03



PHOTO - 04



PHOTO - 05



PHOTO - 06

|                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                                   |                                                                                                                                         |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>APPLICATION SITE</b><br>Lot 424(Part), 425(Part), 430(Part), 431(Part), 432(Part), 433(Part), 434, 435, 436(Part), 440(Part), 441(Part) in DD17 and 1048 S.A(Part), 1048 S.B(Part), 1052(Part), 1053(Part), 1059, 1060, 1061, 1062(Part), 1063(Part), 1065(Part), 1094(Part), 1097(Part), 1098, 1099(Part), 1100(Part) in DD29 Ting Kok Village, Tai Po, N.T. | <b>DRAWING TITLE</b><br>SITE PHOTO | <b>DRAWING NO.</b><br>-----<br><b>DRAWING DATE</b><br>13 MAY 2026 | This drawings and all related information are property of Solar-lil Design Consulting Limited, any use must be approved by the company. | <b>Solar-lil Design Consulting Limited</b><br>景佑設計工程顧問有限公司 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|





PHOTO - 07



PHOTO - 08



PHOTO - 09

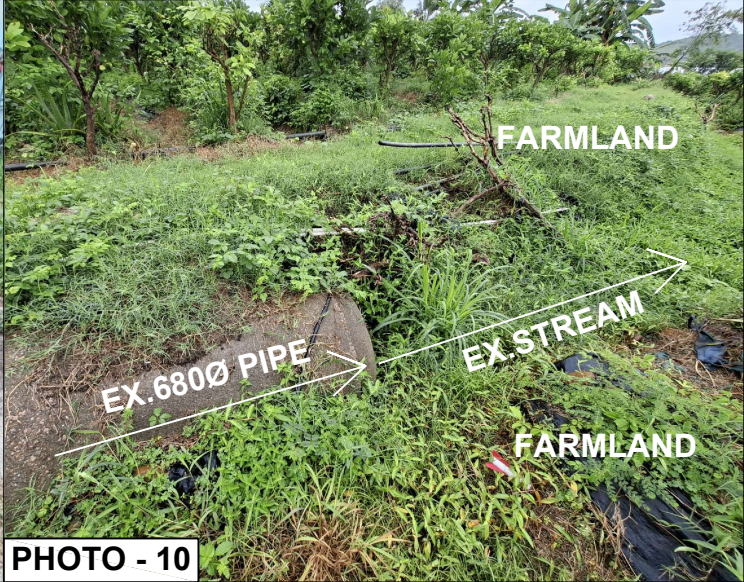


PHOTO - 10



PHOTO - 11



PHOTO - 12

|                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                       |                                                                                                                                                     |                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>APPLICATION SITE</b><br>Lot 424(Part), 425(Part), 430(Part), 431(Part),<br>432(Part), 433(Part), 434, 435, 436(Part), 440(Part),<br>441(Part) in DD17<br>and<br>1048 S.A(Part), 1048 S.B(Part), 1052(Part),<br>1053(Part), 1059, 1060, 1061,1062(Part),<br>1063(Part), 1065(Part), 1094(Part), 1097(Part),<br>1098,1099(Part), 1100(Part) in DD29<br>Ting Kok Village, Tai Po, N.T. | <b>DRAWING TITLE</b><br>SITE PHOTO | <b>DRAWING NO.</b><br>-----<br><br><b>DRAWING DATE</b><br>13 MAY 2026 | This drawings and all related<br>information are property of<br>Solar-lil Design Consulting<br>Limited, any use must be<br>approved by the company. | <b>Solar-lil Design<br/>         Consulting Limited</b><br>景佑設計工程顧問有限公司 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|





PHOTO - 13



PHOTO - 14



PHOTO - 15



PHOTO - 16



PHOTO - 17



PHOTO - 18

|                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                                   |                                                                                                                                         |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>APPLICATION SITE</b><br>Lot 424(Part), 425(Part), 430(Part), 431(Part), 432(Part), 433(Part), 434, 435, 436(Part), 440(Part), 441(Part) in DD17 and 1048 S.A(Part), 1048 S.B(Part), 1052(Part), 1053(Part), 1059, 1060, 1061, 1062(Part), 1063(Part), 1065(Part), 1094(Part), 1097(Part), 1098, 1099(Part), 1100(Part) in DD29 Ting Kok Village, Tai Po, N.T. | <b>DRAWING TITLE</b><br>SITE PHOTO | <b>DRAWING NO.</b><br>-----<br><b>DRAWING DATE</b><br>13 MAY 2026 | This drawings and all related information are property of Solar-lil Design Consulting Limited, any use must be approved by the company. | <b>Solar-lil Design Consulting Limited</b><br>景佑設計工程顧問有限公司 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|





PHOTO - 19



PHOTO - 20



PHOTO - 21



PHOTO - 22



PHOTO - 23



PHOTO - 24

|                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                                       |                                                                                                                                         |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>APPLICATION SITE</b><br>Lot 424(Part), 425(Part), 430(Part), 431(Part), 432(Part), 433(Part), 434, 435, 436(Part), 440(Part), 441(Part) in DD17 and 1048 S.A(Part), 1048 S.B(Part), 1052(Part), 1053(Part), 1059, 1060, 1061, 1062(Part), 1063(Part), 1065(Part), 1094(Part), 1097(Part), 1098, 1099(Part), 1100(Part) in DD29 Ting Kok Village, Tai Po, N.T. | <b>DRAWING TITLE</b><br>SITE PHOTO | <b>DRAWING NO.</b><br>-----<br><br><b>DRAWING DATE</b><br>13 MAY 2026 | This drawings and all related information are property of Solar-lil Design Consulting Limited, any use must be approved by the company. | <b>Solar-lil Design Consulting Limited</b><br>景佑設計工程顧問有限公司 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|



**APPLICATION SITE**

Date: 13 MAY 2026

Lot 424(Part), 425(Part), 430(Part), 431(Part), 432(Part), 433(Part), 434, 435, 436(Part),  
 440(Part), 441(Part) in DD17 and  
 1048 S.A(Part), 1048 S.B(Part), 1052(Part), 1053(Part), 1059, 1060, 1061,1062(Part), 1063(Part), 1065(Part),  
 1094(Part), 1097(Part), 1098,1099(Part), 1100(Part) in DD29 , Ting Kok Village, Tai Po, N.T.

**Design of Surface Drainage System****Design Statement**

- 1 Design Based on a 200 year return period storm
- 2 Maximum run-off estimation is based on the "Rational Method", i.e.

$$Q = K.I.A / 60$$

where,

Q = Max runoff ( l / min )

K = Run-off mean intensity rainfall (mm/min) which depends on the  
time concentration t

$$t = 0.14465 * ( L / H^{0.2} * A^{0.1} )$$

H = Average fall (m per 100m) from summit of catchment to the  
point of design (δh/δL) per 100m, %

L = Distance in metres measured on the line of natural flow between  
the design section and that point of the catchment from which water  
would take the longest time to reach the design section.

- 3 Design channels referred to Chapter 8 of the Geotechnical Manual for Slopes, GEO.
- 4 Design of underground pipes referred to the Municipal Group Design Handbook, 1990.

**Discharge from Catchment**

| Area Ref no. | Area<br>(m <sup>2</sup> ) | L<br>(m) | δh<br>(m) | δL<br>(m) | H ((δh / δL) x 100)<br>(m/100m),(%) | Time Conc t<br>(min) | i.<br>(mm/hr) | For Permanent drainage<br>i x 1.281 | Q<br>(l /min) |
|--------------|---------------------------|----------|-----------|-----------|-------------------------------------|----------------------|---------------|-------------------------------------|---------------|
| A            | 660                       | 90       | 0.05      | 66        | 0.08                                | 11                   | 310           | 397                                 | 4369          |
| B            | 795                       | 72       | 0.05      | 65        | 0.08                                | 9                    | 325           | 416                                 | 5517          |
| C            | 990                       | 102      | 0.2       | 84        | 0.24                                | 10                   | 315           | 404                                 | 6658          |
| D            | 1172                      | 101      | 0.2       | 90        | 0.22                                | 10                   | 315           | 404                                 | 7882          |

| Channel Ref. | Area    | Total Q<br>(l/min) | Channel Size<br>(mm) | Gradient | Capacity of Channel<br>(l/min) | Velocity >1.3 & < 4<br>(m/s) | Check     |
|--------------|---------|--------------------|----------------------|----------|--------------------------------|------------------------------|-----------|
| C1           | A       | 4369               | 300                  | 1 in 90  | 8800                           | 1.85                         | <b>OK</b> |
| C2           | A+B     | 9886               | 375                  | 1 in 90  | 17500                          | 2.10                         | <b>OK</b> |
| C3           | C       | 6658               | 300                  | 1 in 90  | 8800                           | 1.85                         | <b>OK</b> |
| C4           | C+D     | 14540              | 375                  | 1 in 90  | 17500                          | 2.10                         | <b>OK</b> |
| C5           | A+B+C+D | 24426              | 525                  | 1 in 75  | 42000                          | 2.85                         | <b>OK</b> |



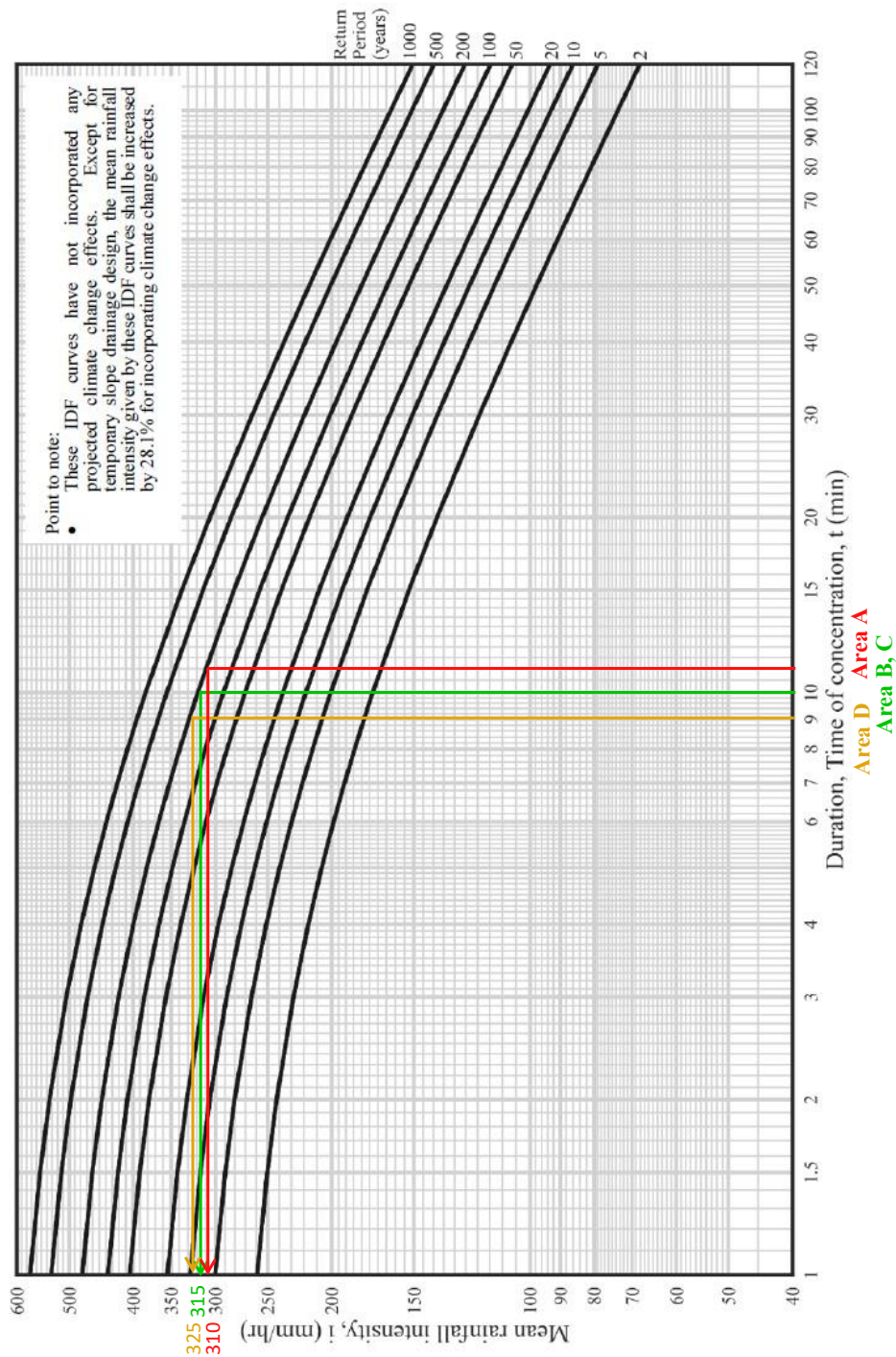
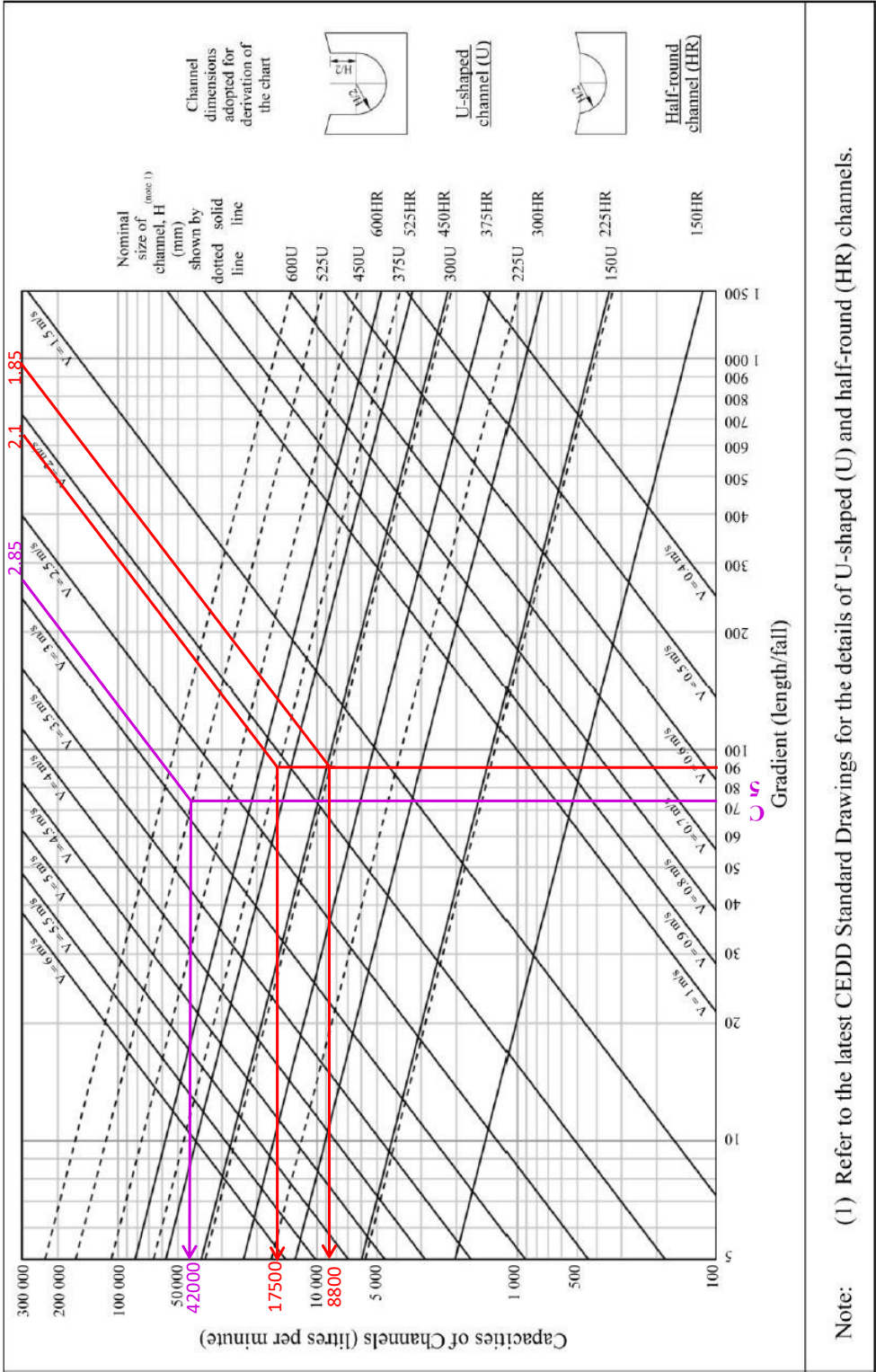


Figure 1 – Updated Intensity-Duration-Frequency Curves

- Notes:
1. These IDF curves are to supersede those given in Figure 8.2 of the Geotechnical Manual for Slopes (GCO, 1984).
  2. The mathematical formulae of these IDF curves are shown in Table 1 of Annex TGN 30 A1.



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







**BLOCK PLAN**  
 (SCALE 1 : 1300 )







