

寄件者: Louis Tse [REDACTED]
寄件日期: 2025年01月03日星期五 11:07
收件者: tpbpd/PLAND
副本: Andrea Wing Yin YAN/PLAND; Jet Sze Jet CHEUNG/PLAND; Bon Tang; Matthew Ng; Christian Chim; Danny Ng; Grace Wong; Kevin Lam
主旨: [FI] S.16 Application No. A/YL-KTN/1049 - FI to address departmental comments
附件: FI3 for A_YL-KTN_1049 (20250103).pdf
類別: Internet Email

Dear Sir,

Attached herewith the further information to address departmental comments of the subject application.

Should you require more information, please do not hesitate to contact me. Thank you for your kind attention.

Kind Regards,

Louis TSE | Town Planner
R-riches Group (HK) Limited

R-riches Property Consultants Limited | R-riches Planning Limited | R-riches Construction Limited

[REDACTED]

Our Ref. : DD107 Lot 1750A4 RP & VL
Your Ref. : TPB/A/YL-KTN/1049

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

By Email

3 January 2025

Dear Sir,

3rd Further Information

Temporary Place of Recreation, Sports or Culture (Hobby Farm, Fishing and Prawning Ground and Barbecue Site), Shop and Services and Holiday Camp with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in "Agriculture" Zone, Various Lots in D.D. 107, Kam Tin, Yuen Long, New Territories

(S.16 Planning Application No. A/YL-KTN/1049)

We are writing to submit further information to address departmental comments on the subject application (**Appendix I**).

Should you require more information regarding the application, please contact our Mr. Danny NG at [REDACTED] or the undersigned at your convenience. Thank you for your kind attention.

Yours faithfully,

For and on behalf of
R-riches Property Consultants Limited

Louis TSE
Town Planner

cc DPO/FSYLE, PlanD

(Attn.: Ms. Andrea YAN
(Attn.: Mr. Jet CHEUNG

email: awyyan@pland.gov.hk)
email: jsjcheung@pland.gov.hk)



Responses-to-Comments

Temporary Place of Recreation, Sports or Culture (Hobby Farm, Fishing and Prawning Ground and Barbecue Site), Shop and Services and Holiday Camp with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in “Agriculture” Zone, Various Lots in D.D. 107, Kam Tin, Yuen Long, New Territories

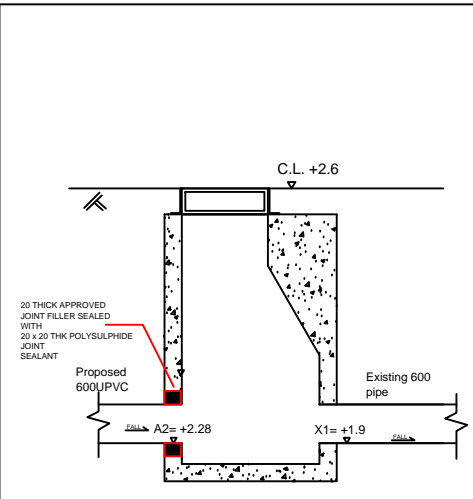
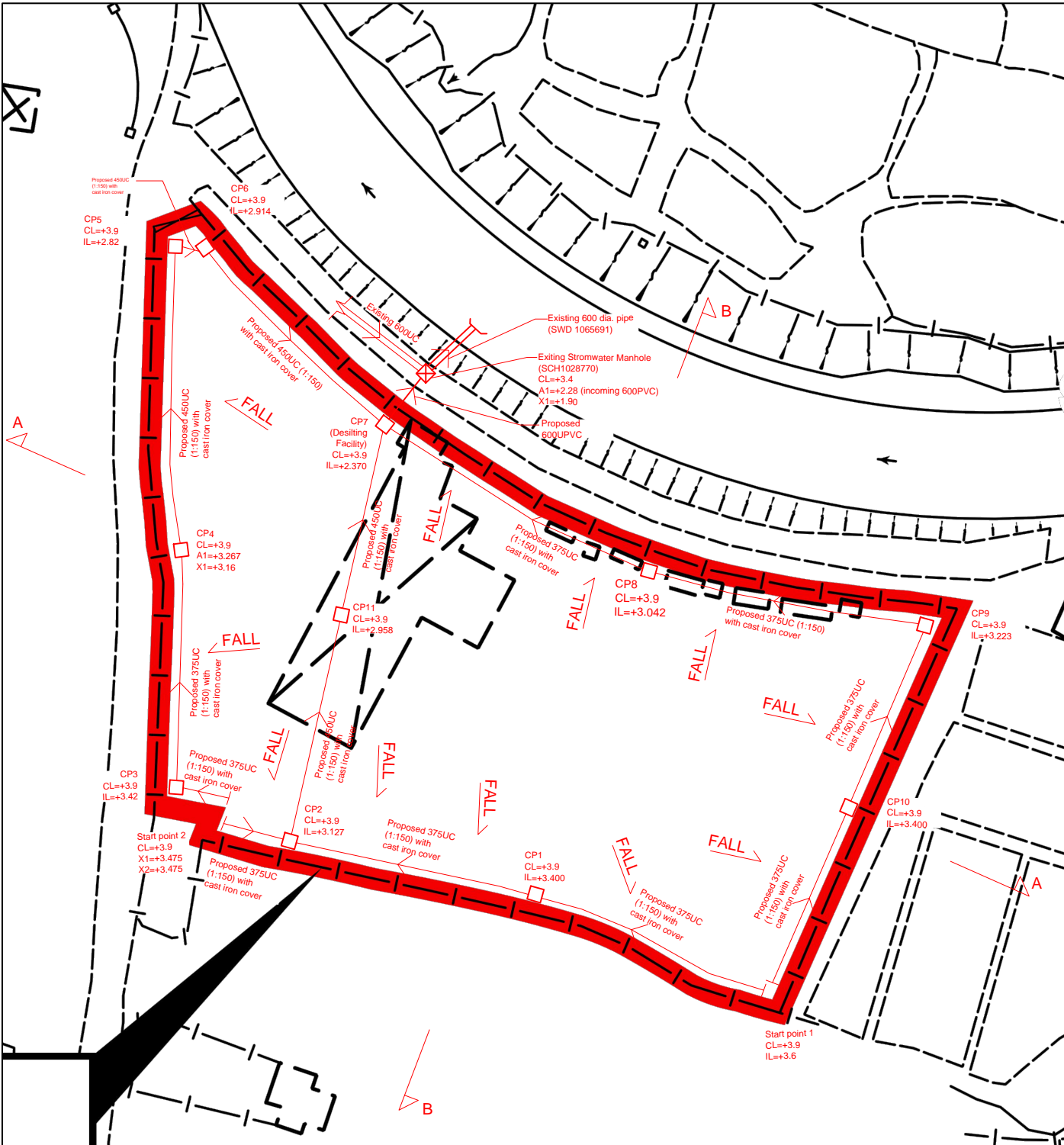
(Application No. A/YL-KTN/1049)

(i) A RtoC Table:

| Departmental Comments | | Applicant’s Responses |
|--|--|--|
| 1. Comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD) (Contact Person: Mr. Terence TANG; Tel.: 2300 1257) | | |
| (a) | According to SDM, return period for 10 years is not correct. Please revise whole calculations. | 50 years return period is adopted. Please refer to the revised drainage proposal for details (Annex I). |
| (b) | Sedimentation reduction should be considered. | 0.8 factor is applied for sedimentation. |
| (c) | Please clearly state where the SDM Corrigendum No. 1/2022 was applied in the calculations. | They are adopted in the calculation of i value. |
| (d) | The ground levels do not tally with available record. Please justify all ground levels indicated in cross sections. | Level justification is presented in the proposal. |
| (e) | Please justify the proportion of hard paved and soil paved areas in the calculations, and clearly show the proportion in catchment area drawing. | The proportion of hard-paved and soil-paved are revised and presented in the proposal. |
| (f) | The opening for fence wall should be along the fence wall bottom without horizontal separation. | Revised accordingly. |
| (g) | Check existing 600mm dia. Pipe: SDM Corrigendum No. 1/2022 and 1/2024 should be considered in the proposed 600mm dia. Pipe checking. | SDM Corrigendum No. 1/2022 and 1/2024 have been considered. |

S.16 Planning Application No. A/YL-KTN/1049

| | | |
|-----|--|--|
| (h) | Check existing 600mm dia. Pipe: Runoff coefficient for hard paved area should not be 0.25 which is underestimated. | Revised accordingly. |
| (i) | Check existing 600mm dia. Pipe: Please show details steps for total peak runoff conversion (i.e. from m ³ /s to liter/min) for reference. | It is presented in the calculation. i.e. (1 m ³ =1000lit, 1 min=60s). |
| (j) | Check existing 600mm dia. Pipe: Please advise why total peak runoff to SWD1065691 is 0.6m ³ /s. All detailed steps and assumptions are required to be provided. | Q=0.8VA, it is presented in the calculation. |
| (k) | Please provide velocity checking for the proposed 600mm dia. UPVC pipe. The velocity should be within 0.7m/s to 3m/s. | Velocity checking is presented in the calculation. |



Connection Details of Existing Stormwater Manhole SCH1028769 (For Typical Existing Stormwater Manhole)

- Legend:
- Proposed 300UC/375UC 450UC(1:150) with cast iron cover
 - Proposed Catchpit
 - Existing Stormwater Manhole

Company:
 恆協工程有限公司
 Handship Engineering
 Company Limited

Project:
 Proposed Temporary
 Place of Recreation,
 Sports or Culture
 (Hobby Farm) for a
 Period of 5 Years at Lots
 1750A4 RP (Part),
 1750A5 RP and 1750A6
 RP (Part) in D.D. 107,
 Fung Kat Heung, Kam
 Tin, Yuen Long

OZP:
 Application No.
 A/YL-KTN/1049

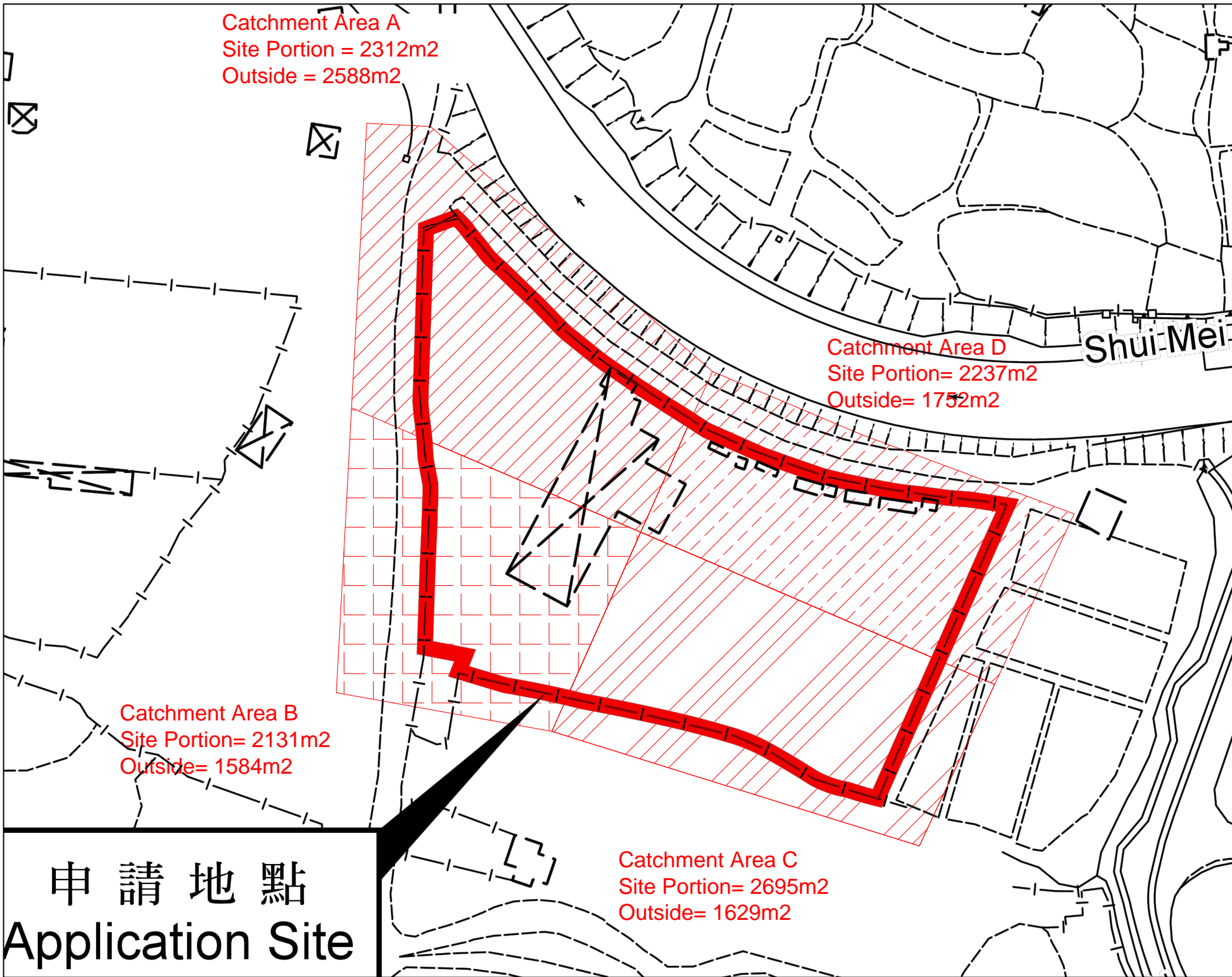
Zoning:
 Agriculture

Title:
 Drainage Proposal-
 Layout

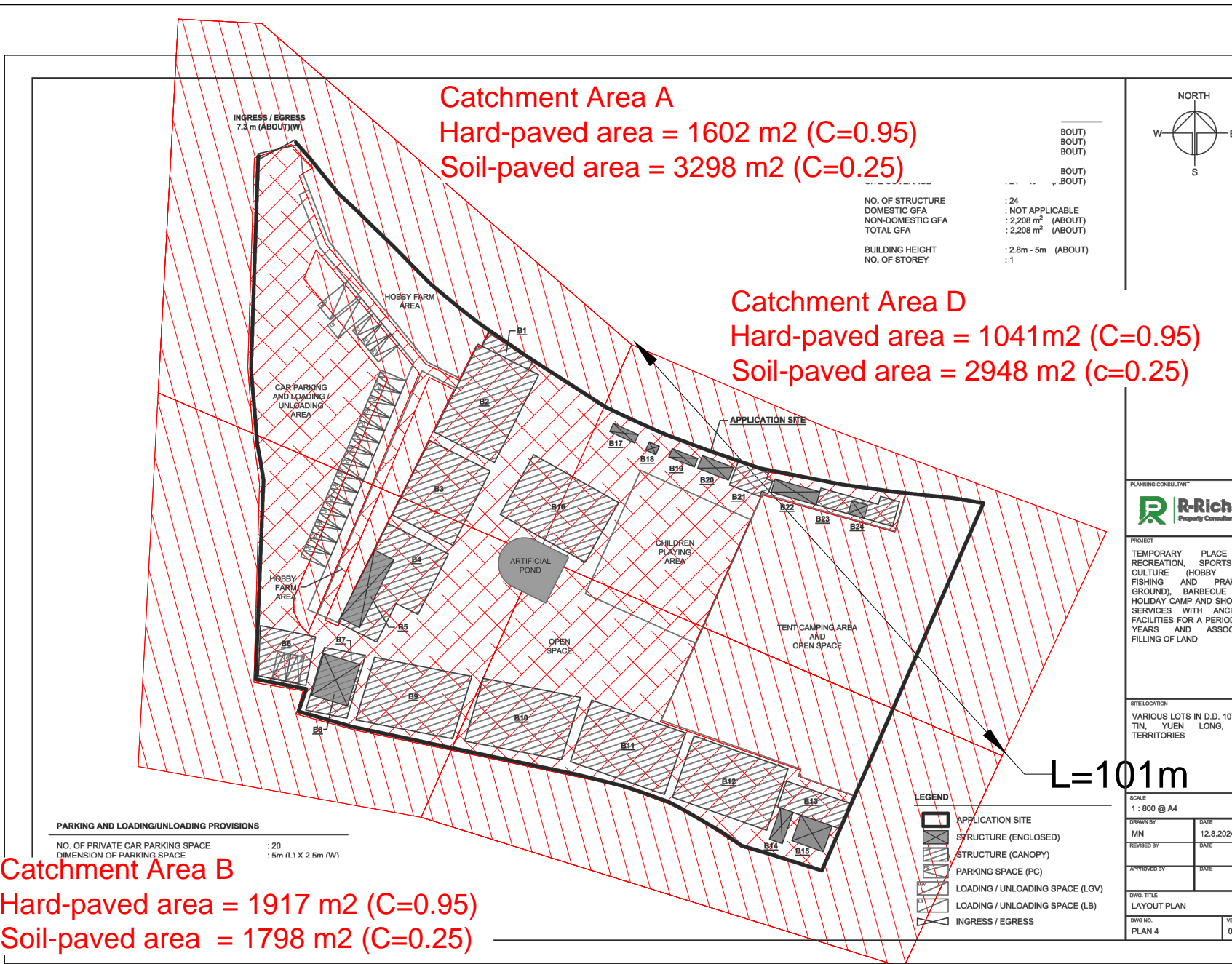
Dwg No: Fig.1
 File:
 DD107
 Lot1750

Date:
 28-11-2024

- Note:
1. Catchpit (CP7) with desilting facility shall follow CEDD standard drawing No. C24061.
 2. Catchpit and UC follows Typical Details of Geotechnical Manual for Slope Fig.8.10 and Fig.8.11 respectively.
 3. All UCs are covered by cast iron
 4. The inverted level of the connection point shall be verified on site prior the commencement of work



| | |
|--|-------------------------------|
| Legend: Proposed 300UC/375UC 450UC(1:150) with cast iron cover Proposed Catchpit Existing Stormwater Manhole | |
| Company: 恆協工程有限公司 Handship Engineering Company Limited | |
| Project: Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm) for a Period of 5 Years at Lots 1750A4 RP (Part), 1750A5 RP and 1750A6 RP (Part) in D.D. 107, Fung Kat Heung, Kam Tin, Yuen Long | |
| OZP: Application No. A/YL-KTN/1049 | |
| Zoning: Agriculture | |
| Title: Catchment Area | |
| Dwg No: Fig.2 | File: DD107 Lot1750 |
| Date: 28-11-2024 | |



Catchment Area A
 Hard-paved area = 1602 m² (C=0.95)
 Soil-paved area = 3298 m² (C=0.25)

Catchment Area D
 Hard-paved area = 1041m² (C=0.95)
 Soil-paved area = 2948 m² (c=0.25)

Catchment Area B
 Hard-paved area = 1917 m² (C=0.95)
 Soil-paved area = 1798 m² (C=0.25)

Catchment Area C
 Hard-paved area = 2021m² (C=0.95)
 Soil-paved area = 2303m² (C=0.25)



NO. OF STRUCTURE : 24
 DOMESTIC GFA : NOT APPLICABLE
 NON-DOMESTIC GFA : 2,208 m² (ABOUT)
 TOTAL GFA : 2,208 m² (ABOUT)
 BUILDING HEIGHT : 2.8m - 5m (ABOUT)
 NO. OF STOREY : 1

Legend:

- Proposed 300UC/375UC 450UC(1:150) with cast iron cover
- Proposed Catchpit
- ⊗ Existing Stormwater Manhole

Company:
 恆協工程有限公司
 Handship Engineering Company Limited

Project:
 Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm) for a Period of 5 Years at Lots 1750A4 RP (Part), 1750A5 RP and 1750A6 RP (Part) in D.D. 107, Fung Kat Heung, Kam Tin, Yuen Long

OZP:
 Application No. A/YL-KTN/1049

Zoning:
 Agriculture

Title:
 Catchment Area

Dwg No:
 Fig.3

File:
 DD107 Lot1750

Date:
 2-1-2025



PROJECT:
 TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM) (FISHING AND PRAWN FARMING GROUND), BARBECUE, HOLIDAY CAMP AND SHOP SERVICES WITH ANCILLARY FACILITIES FOR A PERIOD OF 5 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION:
 VARIOUS LOTS IN D.D. 107, TIN, YUEN LONG, TERRITORIES

SCALE:
 1 : 800 @ A4

DRAWN BY:
 MN

DATE:
 12.8.2024

REVISOR BY:
 DATE

APPROVED BY:
 DATE

DWG. TITLE:
 LAYOUT PLAN

DWG. NO.:
 PLAN 4

REV. NO.:
 001

LEGEND

- APPLICATION SITE
- ▣ STRUCTURE (ENCLOSED)
- ▤ STRUCTURE (CANOPY)
- ▥ PARKING SPACE (PC)
- ▧ LOADING / UNLOADING SPACE (LGV)
- ▨ LOADING / UNLOADING SPACE (LB)
- ▩ INGRESS / EGRESS

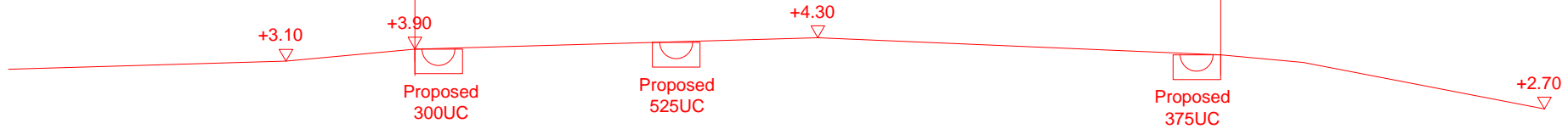
PARKING AND LOADING/UNLOADING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE : 20
 DIMENSION OF PARKING SPACE : 5m (L) X 2.5m (W)

THE SITE

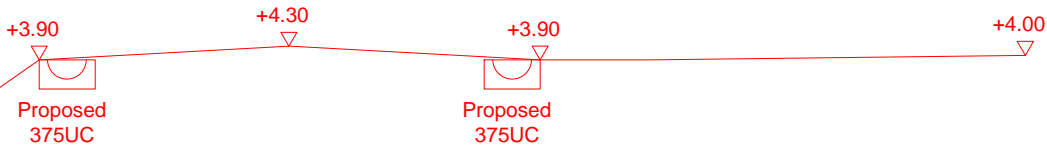
Fence Wall with bottom opening (refer to Typical Details of Fence Wall)

Fence Wall with bottom opening (refer to Typical Details of Fence Wall)






SECTION A-A

THE SITE



SECTION B-B

Legend:

-  Proposed 300UC/375UC 450UC(1:150) with cast iron cover
-  Proposed Catchpit
-  Existing Stormwater Manhole

Company:

恆協工程有限公司
Handship Engineering
Company Limited

Project:

Proposed Temporary Place of Recreation, Sports or Culture (Hobby Farm) for a Period of 5 Years at Lots 1750A4 RP (Part), 1750A5 RP and 1750A6 RP (Part) in D.D. 107, Fung Kat Heung, Kam Tin, Yuen Long

OZP:

Application No. A/YL-KTN/1049

Zoning:

Agriculture

Title:

Section

Dwg No:

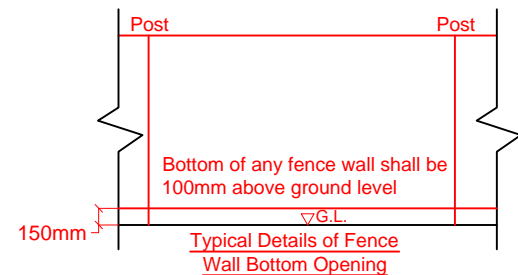
File:

Fig.4

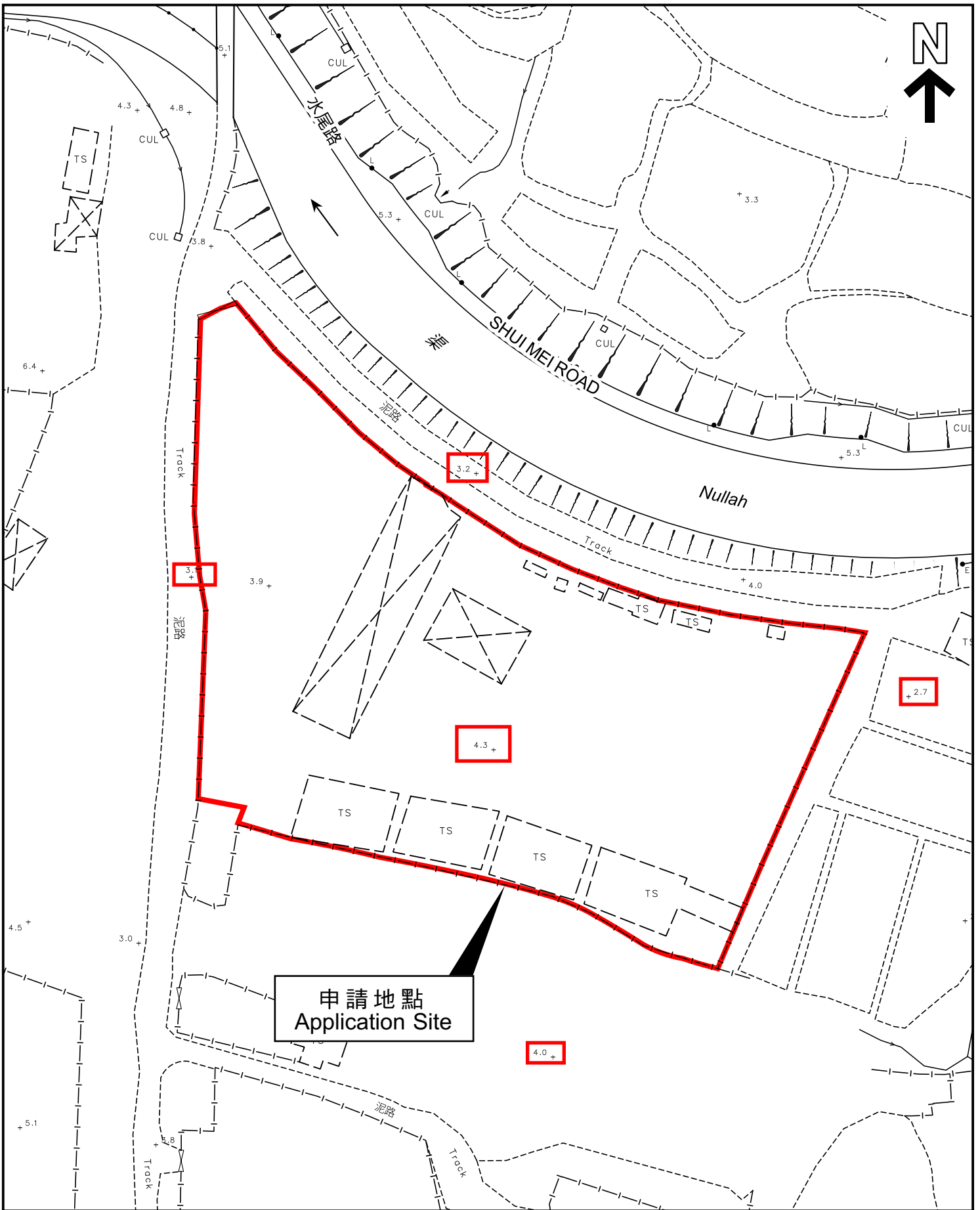
DD107
Lot1750

Date:

28-11-2024



Typical Details of Fence Wall Bottom Opening



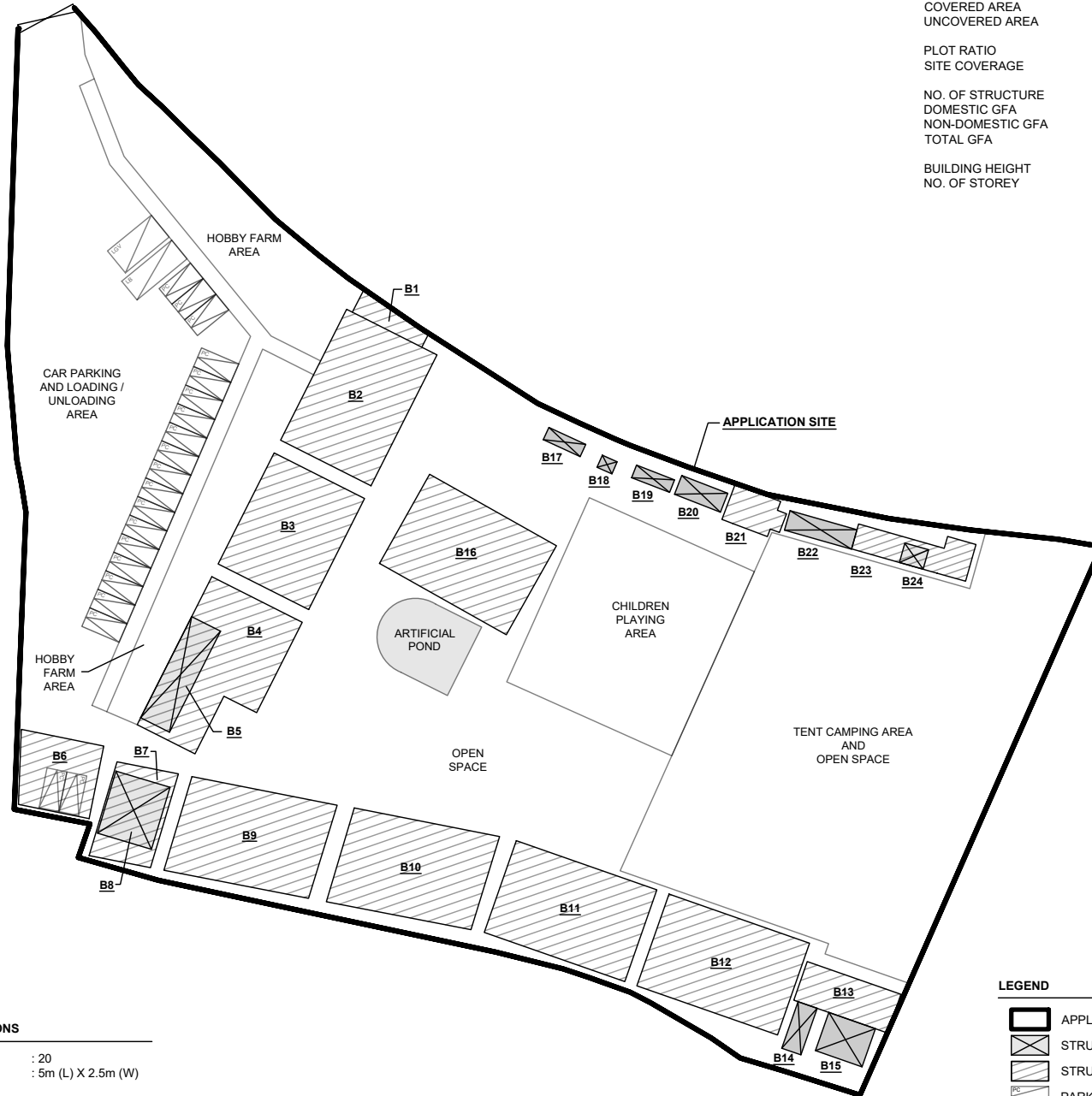
本摘要圖於2024年9月10日擬備，
 所根據的資料為測量圖編號
 6-NE-7A
 EXTRACT PLAN PREPARED ON 10.9.2024
 BASED ON SURVEY SHEET No.
 6-NE-7A

平面圖 SITE PLAN

申請地點界線只作識別用
 APPLICATION SITE BOUNDARY
 FOR IDENTIFICATION PURPOSE ONLY

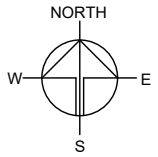
參考編號
 REFERENCE No.
A/YL-KTN/1049

INGRESS / EGRESS
7.3 m (ABOUT)(W)



DEVELOPMENT PARAMETERS

| | | |
|-----------------------|------------------------|---------|
| APPLICATION SITE AREA | : 9,375 m ² | (ABOUT) |
| COVERED AREA | : 2,208 m ² | (ABOUT) |
| UNCOVERED AREA | : 7,167 m ² | (ABOUT) |
| PLOT RATIO | : 0.24 | (ABOUT) |
| SITE COVERAGE | : 24 % | (ABOUT) |
| NO. OF STRUCTURE | : 24 | |
| DOMESTIC GFA | : NOT APPLICABLE | |
| NON-DOMESTIC GFA | : 2,208 m ² | (ABOUT) |
| TOTAL GFA | : 2,208 m ² | (ABOUT) |
| BUILDING HEIGHT | : 2.8m - 5m | (ABOUT) |
| NO. OF STOREY | : 1 | |



PARKING AND LOADING/UNLOADING PROVISIONS

| | |
|---|---------------------|
| NO. OF PRIVATE CAR PARKING SPACE | : 20 |
| DIMENSION OF PARKING SPACE | : 5m (L) X 2.5m (W) |
| NO. OF L/UL SPACE FOR LIGHT GOODS VEHICLE | : 1 |
| DIMENSION OF L/UL SPACE | : 7m (L) X 3.5m (W) |
| NO. OF L/UL SPACE FOR LIGHT BUS | : 1 |
| DIMENSION OF L/UL SPACE | : 8m (L) X 3m (W) |

LEGEND

| | |
|--|---------------------------------|
| | APPLICATION SITE |
| | STRUCTURE (ENCLOSED) |
| | STRUCTURE (CANOPY) |
| | PARKING SPACE (PC) |
| | LOADING / UNLOADING SPACE (LGV) |
| | LOADING / UNLOADING SPACE (LB) |
| | INGRESS / EGRESS |

PLANNING CONSULTANT



PROJECT

TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE (HOBBY FARM, FISHING AND PRAWNING GROUND), BARBECUE SITE, HOLIDAY CAMP AND SHOP AND SERVICES WITH ANCILLARY FACILITIES FOR A PERIOD OF 3 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION

VARIOUS LOTS IN D.D. 107, KAM TIN, YUEN LONG, NEW TERRITORIES

SCALE

1 : 800 @ A4

| | |
|----------|-----------|
| DRAWN BY | DATE |
| MN | 12.8.2024 |

| | |
|------------|------|
| REVISED BY | DATE |
| | |

| | |
|-------------|------|
| APPROVED BY | DATE |
| | |

DWG. TITLE
LAYOUT PLAN

| | |
|----------|------|
| DWG. NO. | VER. |
| PLAN 4 | 001 |

Company: Handship Engineering Company Limited
Project: Proposed drainage at Lots 1750A4 RP (Par t), 1750A5 RP and 1750A6 RP (Part) in D.D. 107, Fung Kat Heung, Kam Tin, Yuen Long
Date: 29/11/2024

Calculation for Design of Channels:

| Catchment Area : | m ² | km ² | | | c | i | Peak runoff | | | | | | | |
|------------------|----------------|-----------------|---|-------|---|---|-------------|-----------|-------------------|--------|--------|--|--|--|
| | | | | | | | liter/min | liter/min | m ³ /s | | | | | |
| A(Hard-paved) | 1602 | 0.001602 | X | 0.278 | X | = | 0.95 | 239.2 | 6073 | 0.1012 | | | | |
| A(Soil-paved) | 3298 | 0.003298 | | | | | 0.25 | 239.2 | 3290 | 9362 | 0.0548 | | | |
| B(Hard-paved) | 1917 | 0.001917 | | | | | 0.95 | 239.2 | 7267 | | 0.1211 | | | |
| B(Soil-paved) | 1798 | 0.001798 | | | | | 0.25 | 239.2 | 1794 | 9060 | 0.0299 | | | |
| C(Hard-paved) | 2021 | 0.002021 | | | | | 0.95 | 239.2 | 7661 | | 0.1277 | | | |
| C(Soil-paved) | 2303 | 0.002303 | | | | | 0.25 | 239.2 | 2297 | 9958 | 0.0383 | | | |
| D(Hard-paved) | 1041 | 0.001041 | | | | | 0.95 | 239.2 | 3946 | | 0.0658 | | | |
| D(Soil-paved) | 2948 | 0.002948 | | | | | 0.25 | 239.2 | 2941 | 6887 | 0.0490 | | | |
| Total= 16928 | | | | | | | Total = | 35267 | | 0.5878 | | | | |

Peripheral Channel in Area A, Catchment Area A + B
 Total Peak runoff = **18423** lit/min
Provide 450UC (1:150)

Peripheral Channel in Area B, Catchment Area B
 Total Peak runoff = **9060** lit/min
Provide 375UC (1:150)

Peripheral Channel in Area C, Catchment Area C
 Total Peak runoff = **9958** lit/min
Provide 375UC (1:150)

Peripheral Channel in Area D, Catchment Area C + D
 Total Peak runoff = **16845** lit/min
Provide 450UC (1:150)

U-Channel From CP2 to CP7, Catchment Area B + C
 Total Peak runoff = **19018** lit/min
Provide 450UC (1:150)

Pipe From CP7 to SCH1028770, Catchment Area A+B+C+D
 Total Peak runoff = **35267** lit/min

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

$$= 0.14465 * 101 / 1^{0.2} * 16928^{0.1}$$

$$= 5.518 \text{ min}$$

$$i = 1.111 * a / (t+b)^f \quad (50 \text{ yrs return period, Table 3d, Corrigendum 2024, SDM})$$

$$= 474.6 / (3.551 + 2.9)^{0.371}$$

$$= 239.2 \text{ mm/hr} \quad (11.1\% \text{ increase due to climate change, Corrigendum 2022, SDM})$$

Colebrook-White Equation

$$V = -\sqrt{(8gDs)} \log\left(\frac{ks}{3.7D} + \frac{2.51v}{D\sqrt{(2gDs)}}\right)$$

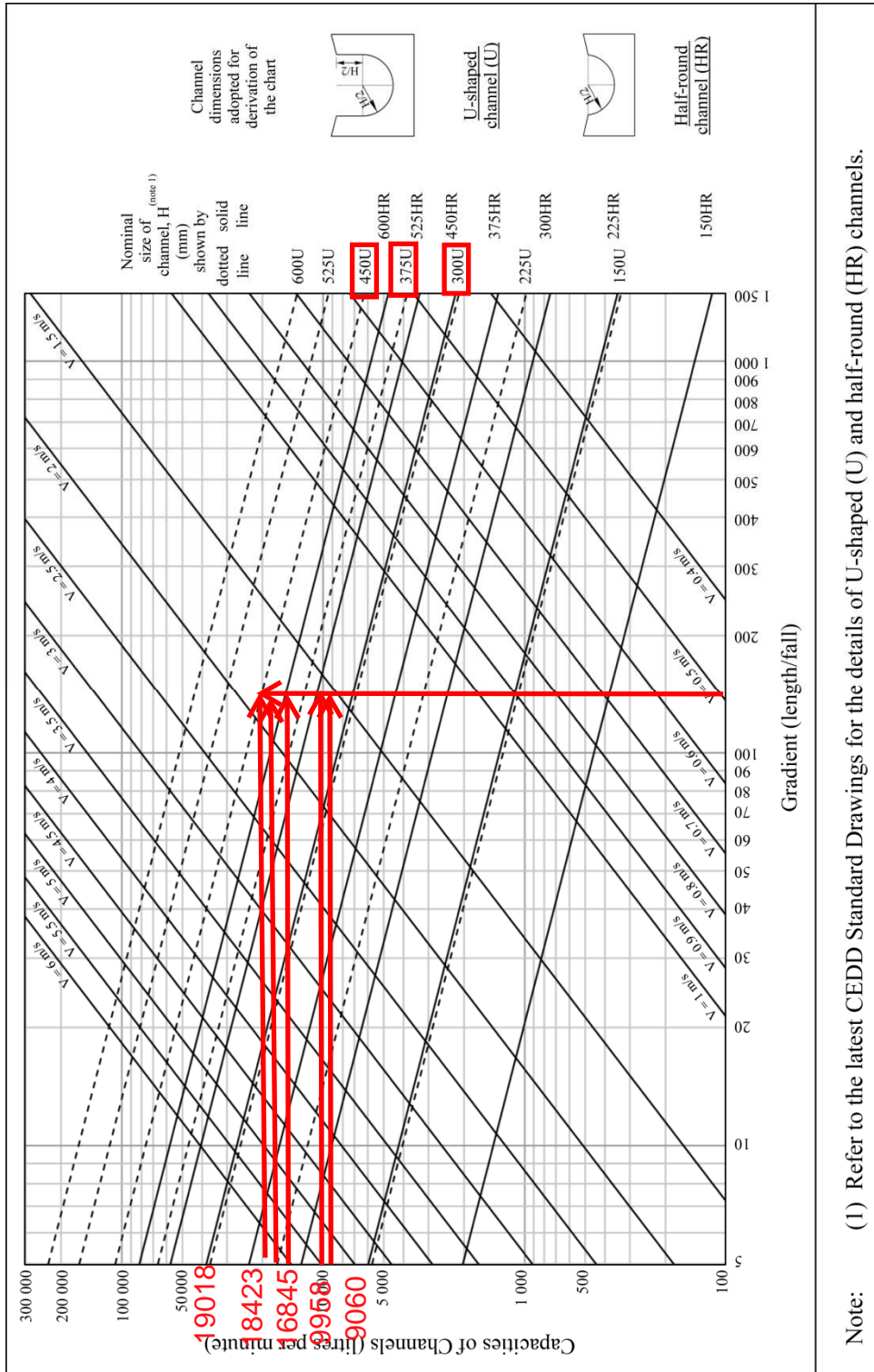
- where :
- V = mean velocity (m/s)
 - g = 9.81 m/s² gravitational acceleration (m/s²)
 - D = 0.6 m internal pipe diameter (m)
 - ks = 0.00015 m hydraulic pipeline roughness (m)
 - v = 1.14E-06 m²/s kinematic viscosity of fluid (m²/s)
 - s = 0.01 hydraulic gradient
 - Pipe area = 0.283 m²
 - 10% reduction of flow area = 0.254 m²
 - Therefore, design V of pipe capacity = 2.806 m/s (Between 0.7 m/s and 3 m/s, OK)
 - Capacity of Proposed 600 mm dia pipe = 0.8 * V * A (0.8 factor is adopted for sedimentation)
 - = 0.635 m³/s
 - = 38080.94 lit/min (1 m³ = 1000 lit and 1 min = 60s)
 - > 35267 lit/min OK

(Table 5, from DSD Sewerage Manual, concrete pipe)

GEO Technical Guidance Note No. 43 (TGN 43)
Guidelines on Hydraulic Design of U-shaped and Half-round Channels on Slopes

Issue No.: 1 Revision: - Date: 05.06.2014 Page: 3 of 3

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





Company: Handship Engineering Company Limited
Project: Proposed drainage at Lots 1750A4 RP (Par t), 1750A5 RP and 1750A6 RP (Part) in D.D. 107, Fung Kat Heung, Kam Tin, Yuen Long
Date: 29/11/2024

Check Existing 600mm dia Pipe

| | | | | | | |
|-----------------------------|---|--------------|-----------|-------|---|-------------------------|
| Total Catchment Area | = | 27262 | m2 | | | |
| Extra Catchment Area | = | 27262 | - | 16928 | = | 10334 m2 |
| Extra Runoff | = | 0.278CiA | | | | |
| | = | 0.278 | * | 0.25 | * | 239.22 * 10334 /1000000 |
| | = | 0.171808 | | | | |
| | = | 10308.47 | | | | |
| Total Q | = | 10308 | + | 35267 | | |
| | = | 45575 | | | | |

For gradient 1:100, existing 375UC has adequate capacity for stormwater collection system

Total Peak runoff to SWD1065691 = #REF! m³/s = #REF! liter/min
 (Site catchment and upstream area)

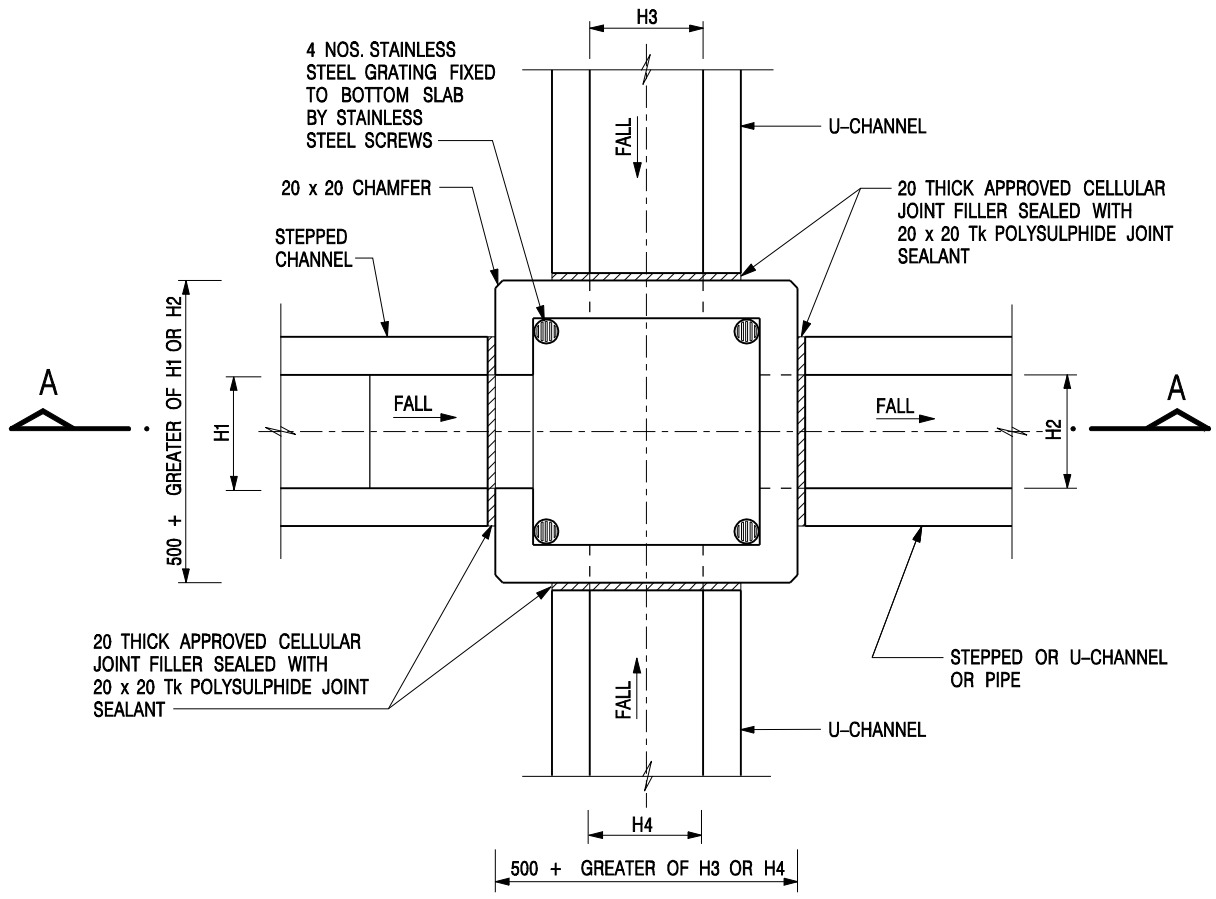
Check existing 600mm dia. Pipes (SWD1065691) by Colebrook-White Equation

$$V = -\sqrt{(8gDs)} \log\left(\frac{ks}{3.7D} + \frac{2.51v}{D\sqrt{(2gDs)}}\right)$$

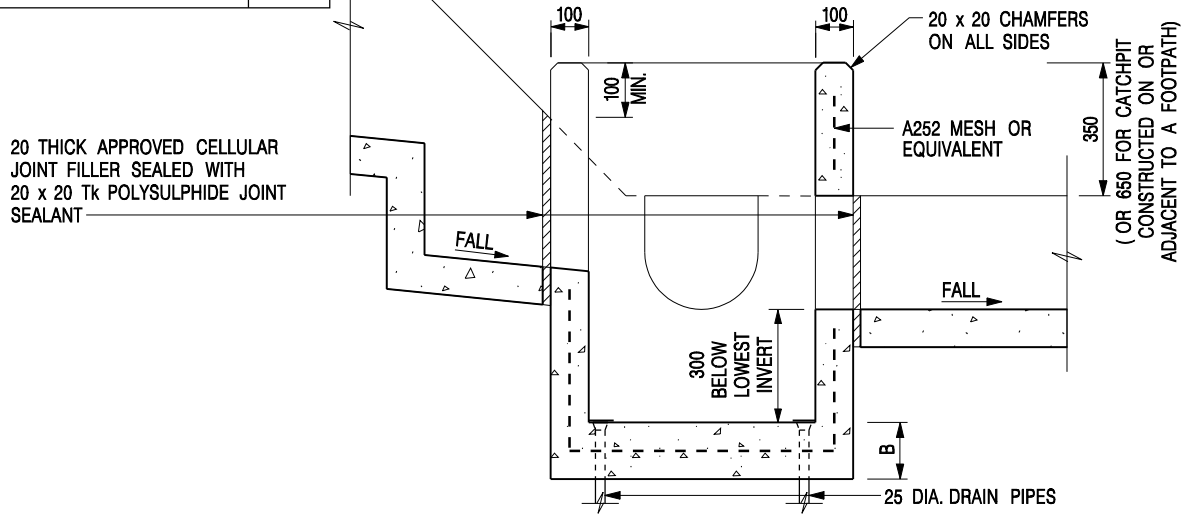
where :

| | | | | |
|--------------------------------------|---|----------|---------------------|--|
| V | = | | mean velocity (m/s) | |
| g | = | 9.81 | m/s ² | gravitational acceleration (m/s ²) |
| D | = | 0.6 | m | internal pipe diameter (m) |
| ks | = | 0.00015 | m | hydraulic pipeline roughness (m) |
| v | = | 1.14E-06 | m ² /s | kinematic viscosity of fluid (m ² /s) |
| s | = | 0.08 | | hydraulic gradient |
| Pipe area | = | 0.283 | m ² | |
| 10% reduction of flow area | = | 0.254 | m ² | |
| Therefore, design V of pipe capacity | = | 8.035 | m/s | |
| Capacity of Existing 600mm dia pipe | = | 0.8*V*A | | (0.8 factor is adopted for sedimentation) |
| | = | 1.82 | m ³ /s | |
| | = | 109046.1 | lit/min | (1 m ³ = 1000 lit and 1 min = 60s) |
| | > | 45575 | lit/min | OK |

(Table 5, from DSD Sewerage Manual, concrete pipe)



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



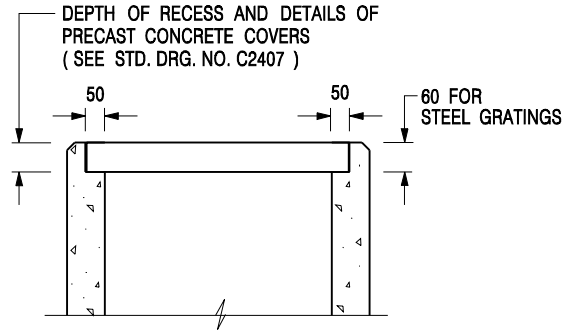
- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. REFER TO SHEET 2 FOR OTHER NOTES.

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

CATCHPIT WITH TRAP
(SHEET 1 OF 2)

CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 20 **DRAWING NO.** C2406 /1
DATE JAN 1991




**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 1 000 mm MIN. MEASURED FROM THE ADJACENT GROUND LEVEL.
10. MINIMUM INTERNAL CATCHPIT WIDTH SHALL BE 1 000 mm FOR CATCHPITS WITH A HEIGHT EXCEEDING 1 000 mm MEASURED FROM THE INVERT LEVEL TO THE ADJACENT GROUND LEVEL. AND, STEP IRONS (SEE DSD STD. DRG. NO. DS1043) AT 300 c/c 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.

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

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

| | |
|---|--------------------|
|  CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT | |
| SCALE 1 : 20 | DRAWING NO. |
| DATE JAN 1991 | C2406 /2 |

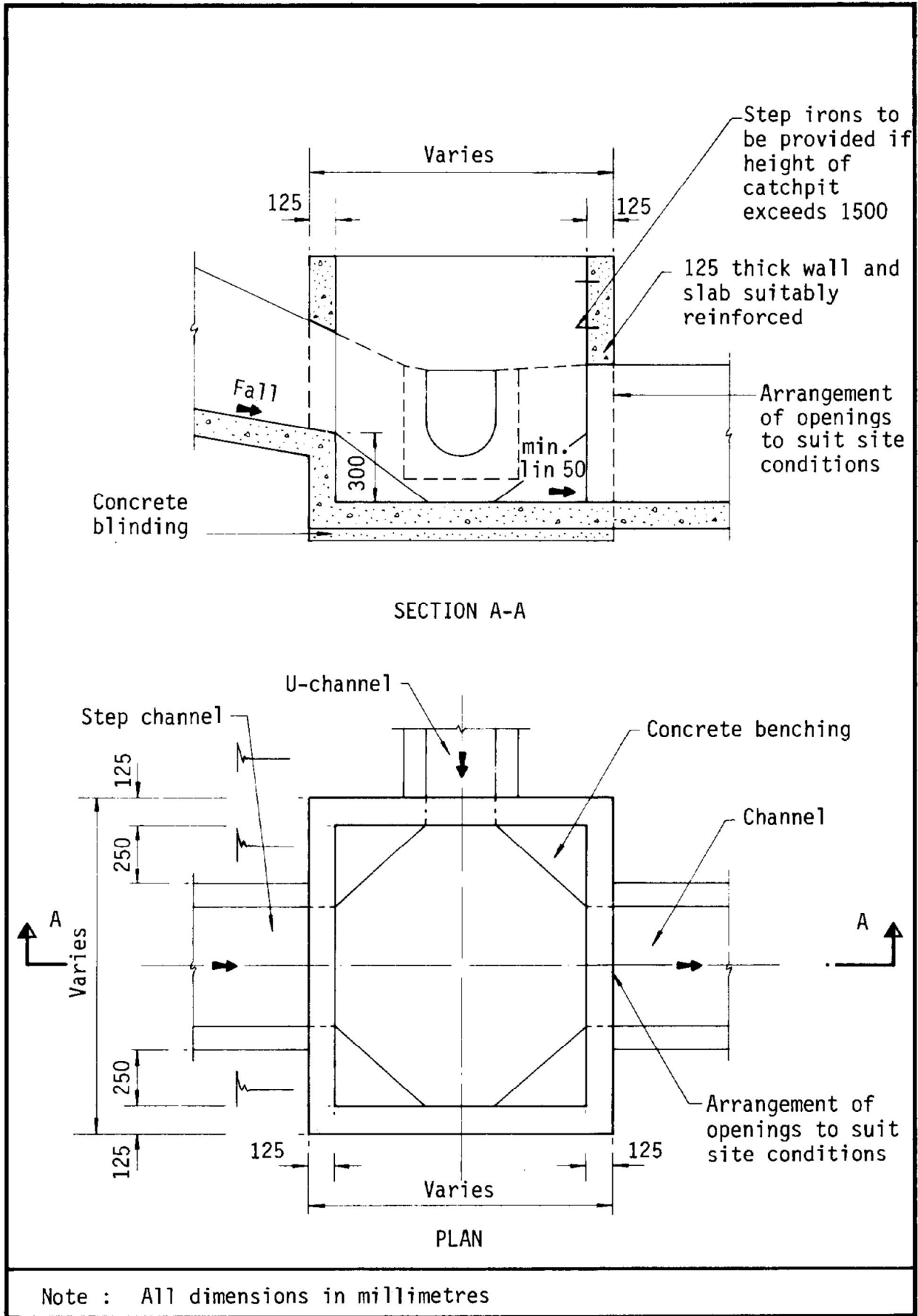
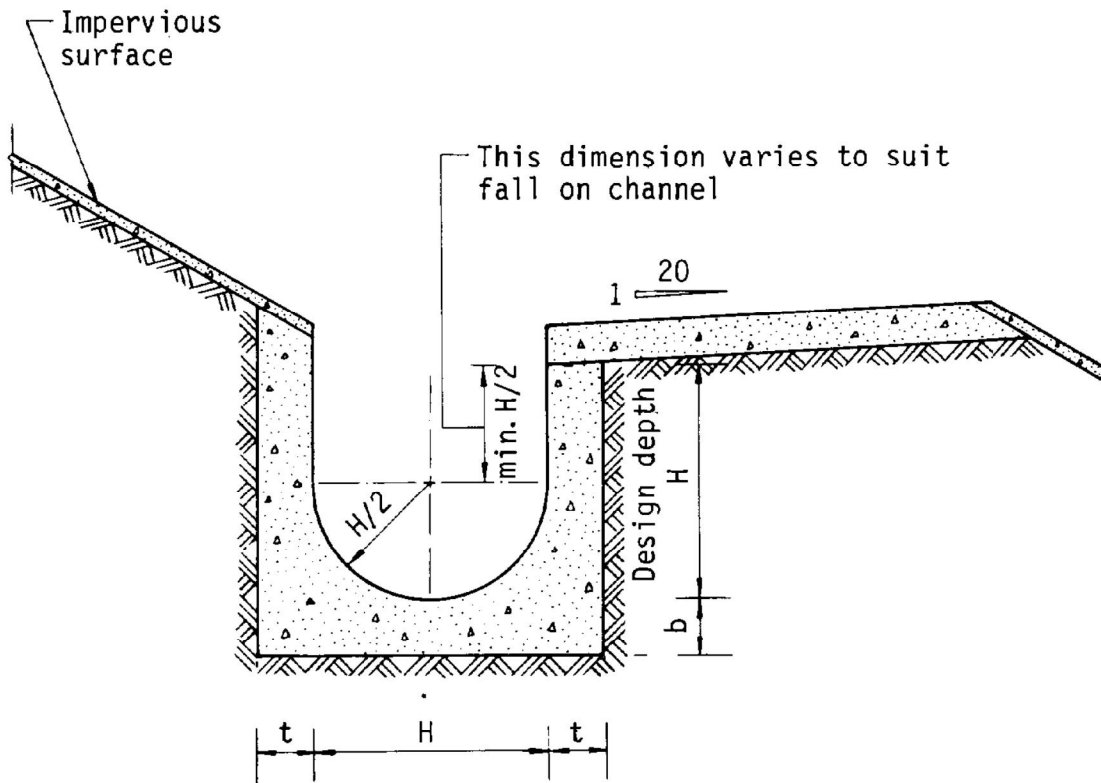


Figure 8.10 - Typical Details of Catchpits



Dimensions of U - channel

| Nominal size of channel H (mm) | Thickness t (mm) | Thickness b (mm) |
|--------------------------------|------------------|------------------|
| 225 to 600 | 150 | 150 |
| 675 to 1200 | 175 | 225 |

Figure 8.11 - Typical U-channel Details