# 附帶規劃文件

按城市規劃條例第 16 條於新界元朗八鄉橫台山梁屋村 DD111 LOT NO. 1689S.A (部分)，1689S.B(部分)，1689S.B ss.1，1689S.C，1689S.D，1695，1696(部份)和毗鄰政府土地，進行規劃申請。

申請用途：擬議臨時露天存放建築材料、建築機械、二手車輛及汽車零件連附屬設施及相關填土工程(為期 3 年)

地帶用途：農業

地盤面積：約 8921 平方米

行政摘要：

擬在新界元朗八鄉橫台山梁屋村 DD111 LOT NO. 1689S.A (部分)，1689S.B(部分)，1689S.B ss.1，1689S.C，1689S.D，1695，1696(部份)和毗鄰政府土地，八鄉分區計劃大綱核准圖編號 S/YL-PH/11，「農業」地帶內，申請作 「擬議臨時露天存放建築材料、建築機械、二手車輛及汽車零件連附屬設施及相關填土工程(為期 3 年) 」用途。

申請地點位於城規會規劃指引編號 13G「擬作露天貯物及港口後勤用途而按照城市規劃條例第 16 條提出的規劃申請」中第 1 至 4 類地區內的第 2 類地區中，位置屬於坐落或鄰近露天貯物、港口後勤或其他類型棕地／臨時用途的地點群的地區，如果政府部門沒有負面意見，而且附近居民不予反對，或各政府部門和附近居民所關注的問題均能透過實施規劃許可的附帶條件而獲得解決，則有關申請將會獲得有效期最長 3 年的臨時規劃許可。

申請地點開放時間為開放時間為星期一至星期六、上午9時至下午6時，星期日及公眾假期休息。

申請地點主要用作臨時露天存放建築材料、建築機械、二手車輛及汽車零件用途，不會有任何形式的工場作業，更不會有任何形式的工程進行，場地內也不會進行拆卸、保養、修理、噴漆或其他的工場作業。

倘若時次申請獲批，申請人亦會盡力在時限內完成全部的附帶條件，並在相關處方接受了相關建議後，馬上邀請相關處方的人員前來檢閱，希望貴署可以酌情處理是次申請。

**場地設計：**

申請地點地盤面積約 8921 平方米，當中政府土地佔約 926 平方米。

申請地點已在前次規劃申請 A/YL-PH/955 時已完成填土，填土範圍約 8921 平方米，填土厚度約 0.25 米，填土材料為瀝青和水泥，場地內不涉及挖土。

申請地點內擬議設置有 1 個臨時性質的構築物，分別為：

- 構築物 A，作臨時貨櫃辦公室、員工休息室及臨時廁所用途，樓面面積約 200 平方米，高度不超過 6 米，一層。

申請地點內的構築物只作臨時性質用途，不提供任何住宿服務。

申請地點中主要存放的建築機械的類型為「挖泥機」、「起重機」；建築材料的類型為「五金」、「石料」和「泥土」，場地內不會存放危險品。

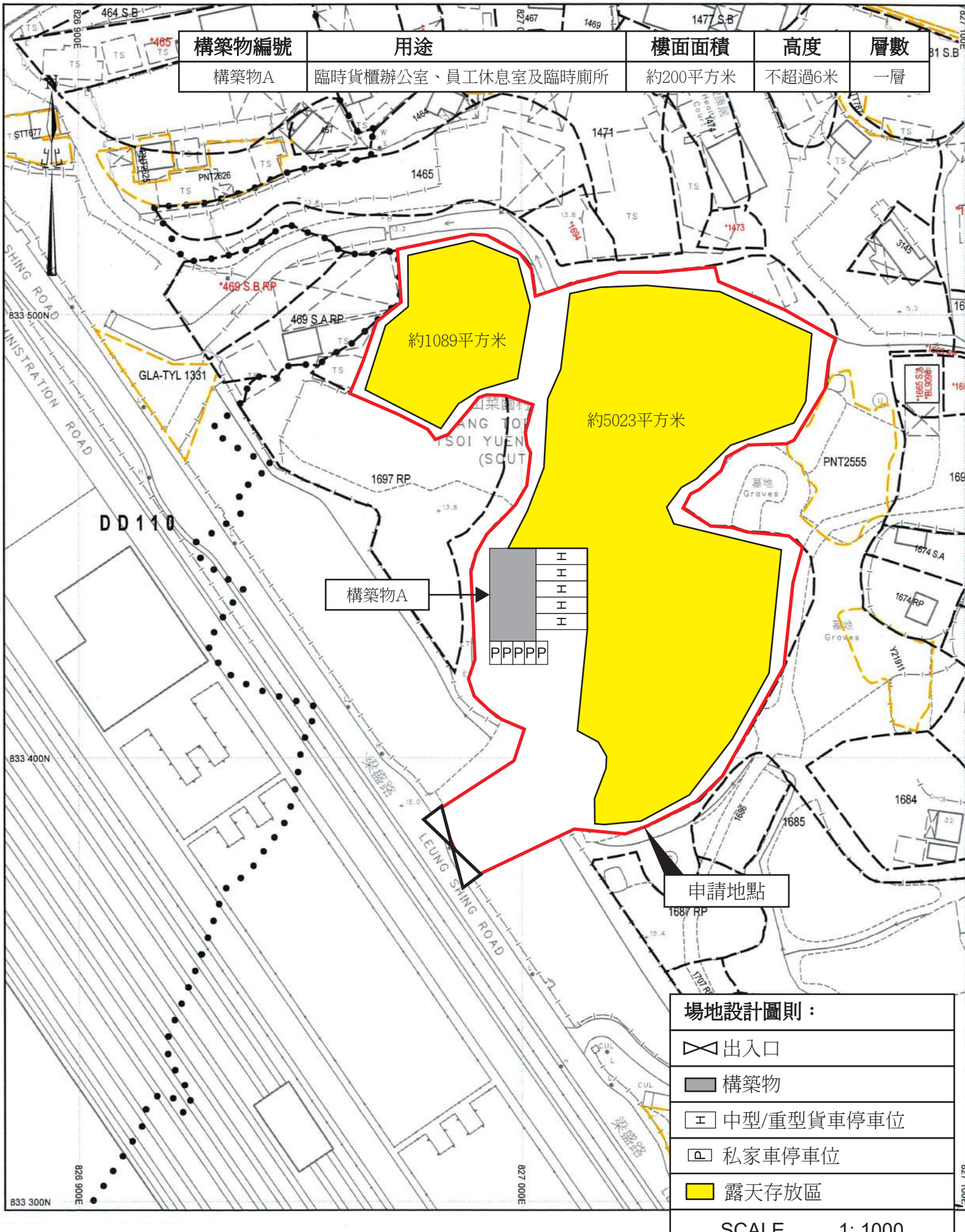
申請地點內存放的二手車輛類型主要為私家車和輕型貨車，申請地點中存放的二手車輛會透過中/重型貨車經錦田公路和鄉村道路運送至申請地點。

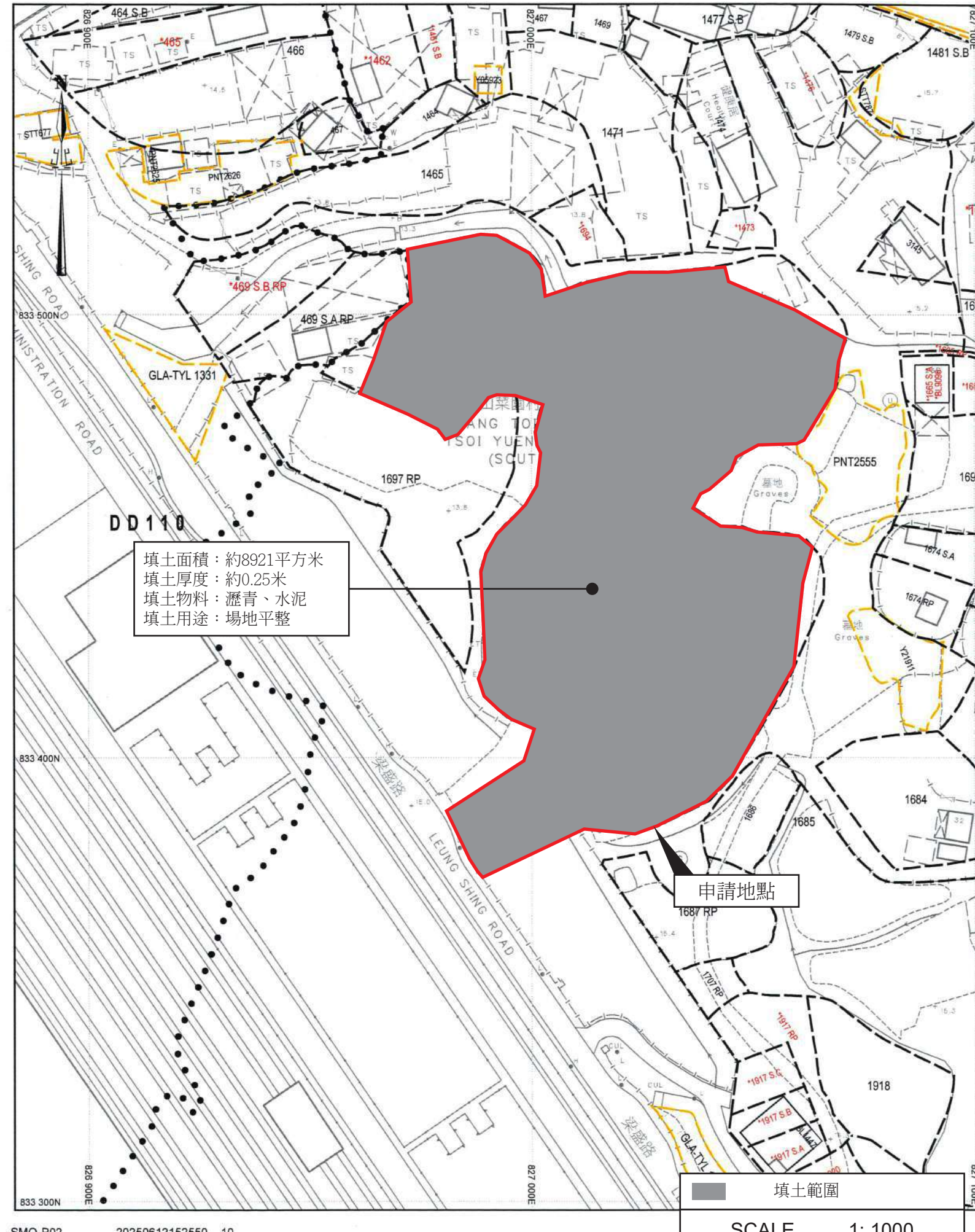
申請地點設有私家車停車位 5 個，每個尺寸約 5 米 x2.5 米；中型/重型貨車停車位 5 個，每個尺寸約 11 米 x3.5 米。

申請地點中露天存放的建築機械和建築材料，堆放的高度不超過 12 米。

申請地點中露天存放區域和附近地區最近的居住民居之間的距離超過 20 米，申請地點邊界亦會設置有綠色隔音圍板，令場地保持綠化、隔絕噪音和視野觀感，使場地與四周環境融為一體，美化環境，不會對鄰近居民構成太大影響。隔音圍板高度約 2.5 米，材質為金屬，底部會預留約 100 毫米的空間作地面疏水之用。

詳細請參閱以下圖則。


構築物編號
用途
樓面面積
高度
層數
構築物A
臨時貨櫃辦公室、員工休息室及臨時廁所
約200平方米
不超過6米
一層
約1089平方米
約5023平方米
構築物A
申請地點
DD 110
LEUNG SHING ROAD
SHING ROAD
ADMINISTRATION ROAD
GLA-TYL 1331
PNT2626
PNT2555
1697 RP
1687 RP
469 S.A RP
*469 S.B RP
1674 S.A
1674 RP
1684
1685
833 500N
833 400N
833 300N
826 900E
827 000E
場地設計圖則：
出入口
構築物
中型/重型貨車停車位
私家車停車位
露天存放區
SCALE 1: 1000




SMO-P02 20250612152550 10

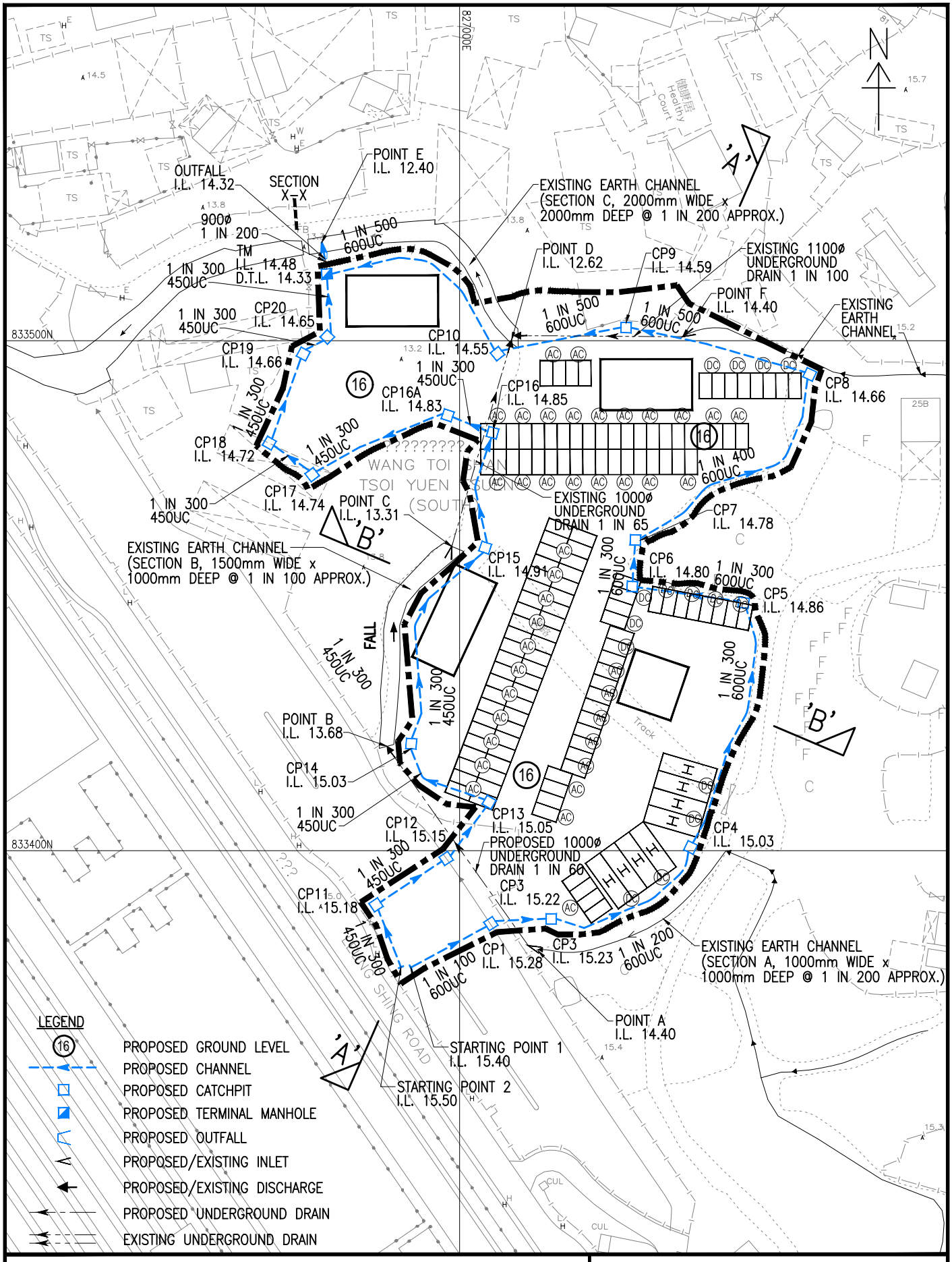
排水設施：

申請人提供有關申請地點的渠務報告文件(DIA)，並承諾有相關渠務報告文件獲得部門批准後，會盡快安排合資格承辦商展開排水設施建造工程。

申請地點內的渠務排水設施會依照前次規劃申請編號 A/YL-PH/955 已獲批的擬議排水建議進行建造，相關設計不會有所改變。

申請地點的開發不會對申請地點北面的現有溪流和水道造成任何直接影響，相關溪流和水道由前次規劃申請 A/YL-PH/955 時至現今都一直保持通暢，加上本次規劃申請不會進行填土，不會對相關溪流和水道造成任何直接影響。

隨件附上相關文件以供參考。




PROJECT

PLANNING APPLICATION NO. A/YL-PH/955,
LEUNG UK TSUEN, PAT HEUNG

何田顧問工程師有限公司
HO TIN & ASSOCIATES
CONSULTING ENGINEERS LIMITED

TITLE

PROPOSED DRAINAGE MANAGEMENT PLAN

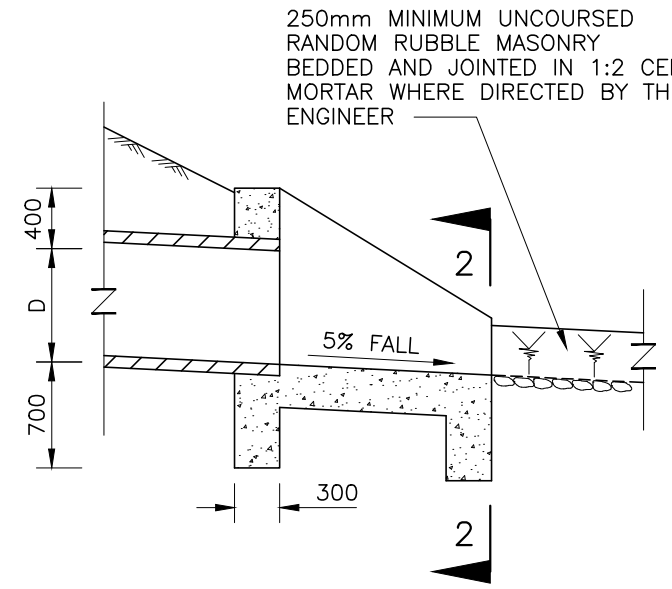
SCALE

1 : 1000 – A4

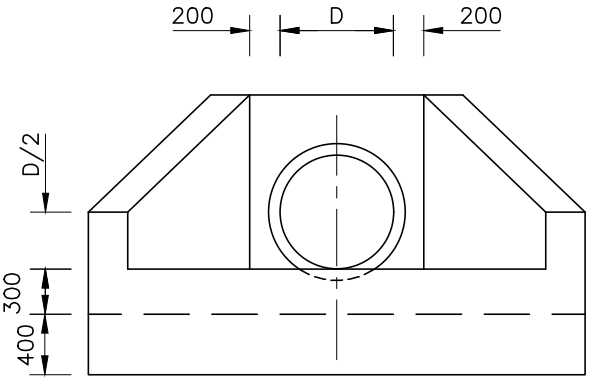
DRAWING No.

FIGURE 4

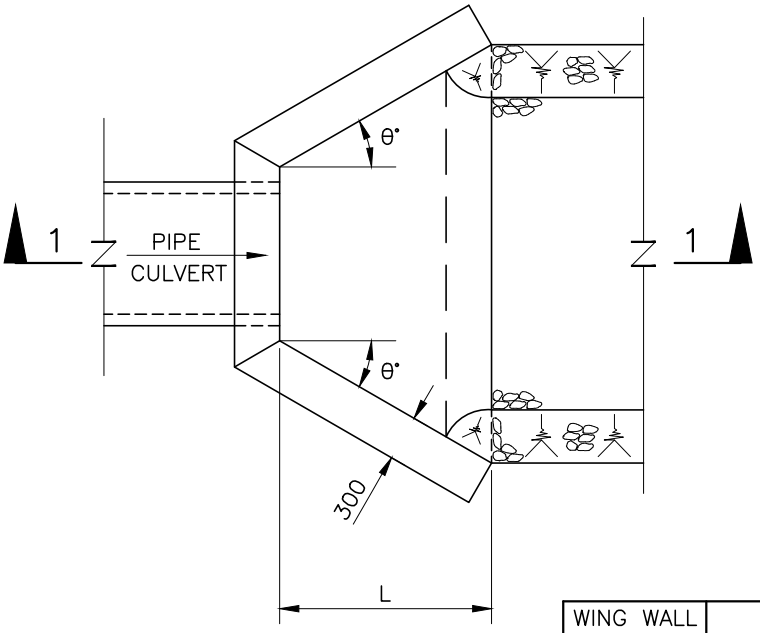
H:\23113_LeungUkTsuen\DRAWING\23113_FIG_4_03_&_FIG_6_01.dwg, 26/9/2024 14:52:47, DWG To PDF.pc3




1–1




2–2




PLAN

NOTES :

1. CONCRETE : GRADE 30D/20

| WING WALL FLARE θ° | DIAMETER OF PIPE CULVERT D | | | |
|---|---|---|---|---|
| | 450–750 | 900–1200 | 1350–1650 | 1800–1950 |
| | L | | | |
| 0° | 1800 | 2400 | 3000 | 3600 |
| 30° | 1400 | 1800 | 2300 | 2700 |
| 45° | 1200 | 1500 | 1900 | 2300 |

PROJECT

PLANNING APPLICATION NO. A/YL–PH/955,
LEUNG UK TSUEN, PAT HEUNG

何田顧問工程師有限公司
HO TIN & ASSOCIATES
CONSULTING ENGINEERS LIMITED

TITLE

DETAILS OF OUTFALL

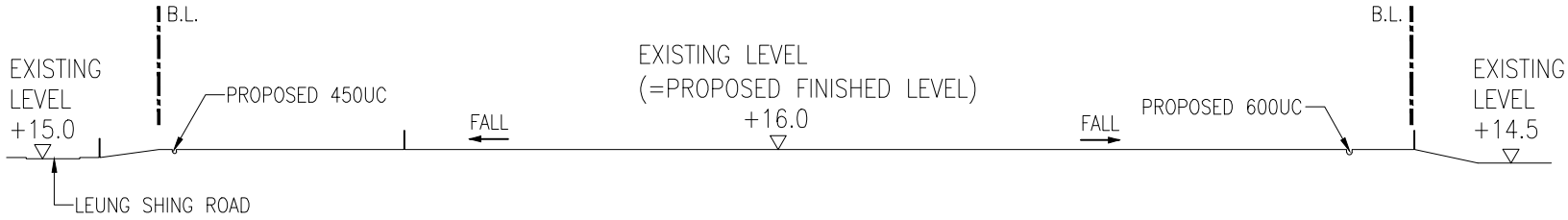
SCALE

N. T. S.

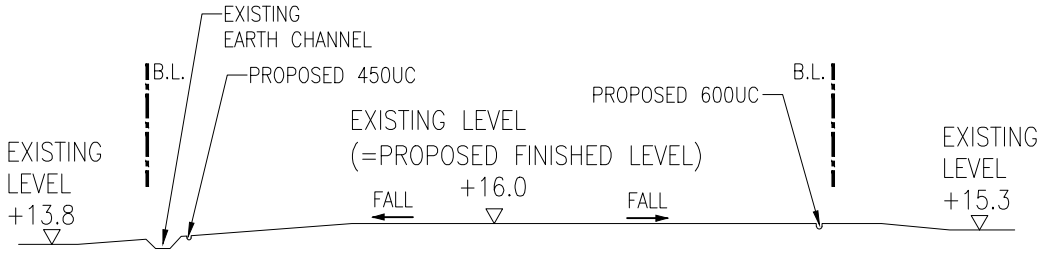
DRAWING No.

FIGURE 5

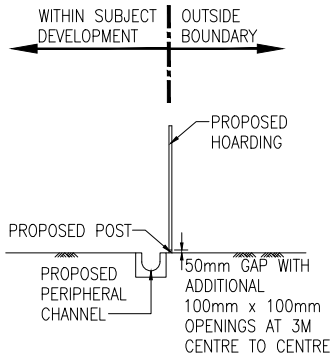
H:\23113_LeungUkTsuen\DRAWING\23113_FIG_5_00.DWG, 8/11/2023 14:29:29, DWG To PDF.pc3




SECTION A – A




SECTION B – B

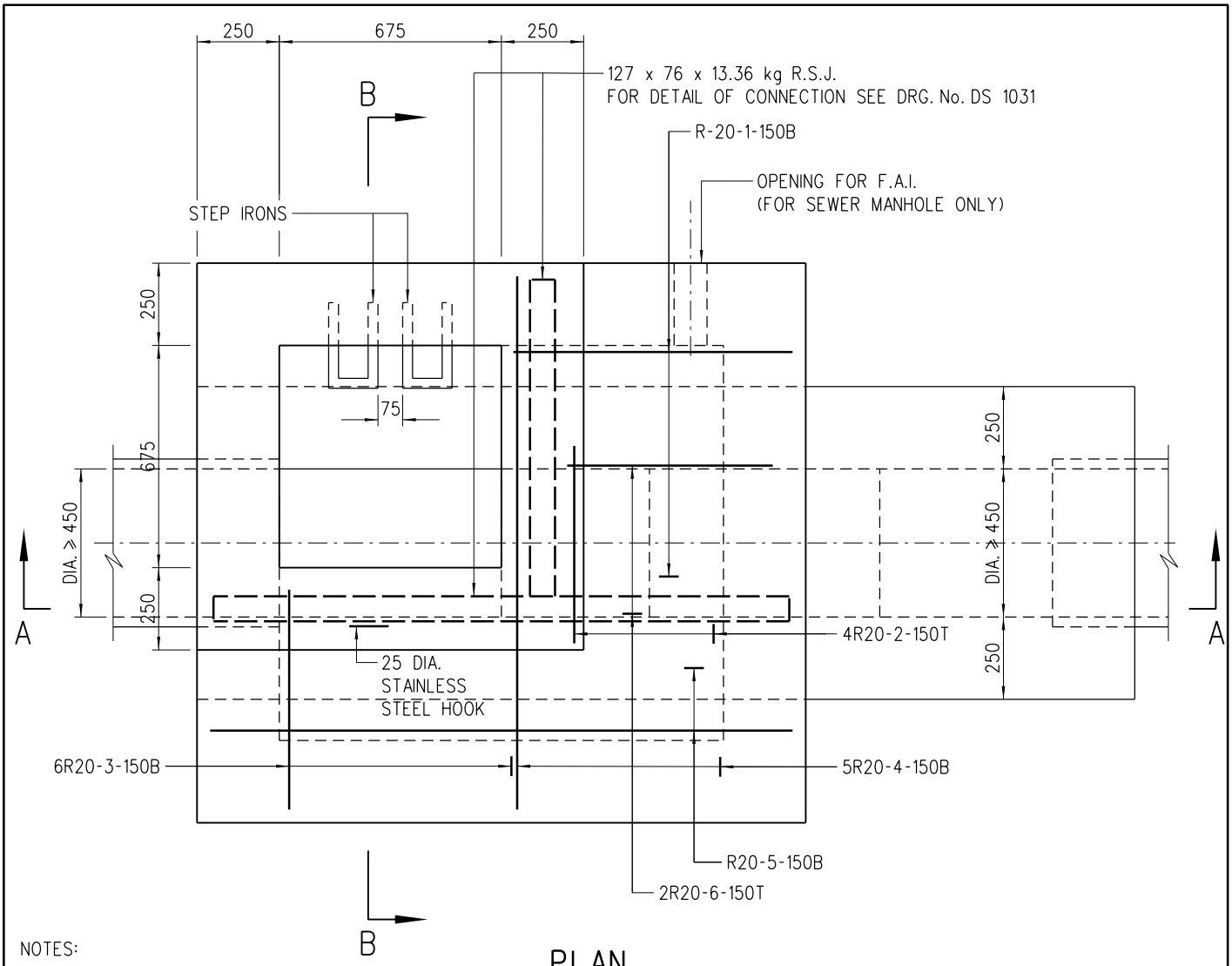



TYPICAL SECTION AT SUBJECT SITE BOUNDARY

N.T.S.

| | | |
|---|---|---|
| | PROJECT<br>PLANNING APPLICATION NO. A/YL-PH/955,<br>LEUNG UK TSUEN, PAT HEUNG | 何田顧問工程師有限公司<br>HO TIN & ASSOCIATES<br>CONSULTING ENGINEERS LIMITED |
| | TITLE<br>SITE SECTIONS | SCALE<br>1 : 800 – A4<br>DRAWING No.<br>FIGURE 6 |

H:\23113_LeungUkTsuen\DRAWING\23113_FIG_4_02_&_FIG_6_01.dwg, 25/4/2024 11:51:45, DWG To PDF.pc3




PLAN

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. NOTATION OF REINFORCEMENT : THE SEQUENCE OF DESCRIPTION OF IDENTIFICATION MARKS ON DRAWINGS FOR STEEL REINFORCING BARS FOR CONCRETE WORK IS AS FOLLOWS (NUMBER, TYPE, SIZE, MARK, SPACING, LOCATION OR COMMENT)
3. B DENOTES GRADE 500B RIBBED REINFORCEMENT.
4. R DENOTES GRADE 250 PLAIN REINFORCEMENT.
5. PIPE DIAMETER : EQUAL OR GREATER THAN 450 mm
6. NORMAL RANGE OF DEPTH : 1 750 TO 4 250 mm (MEASURED FROM ROAD LEVEL TO LOWEST INVERT)
7. USED IN : STORMWATER DRAIN AND SEWER
8. JUNCTION : POSITION OF JUNCTION TO BE DETERMINED IN EACH INDIVIDUAL CASE. CHANNELS IMMEDIATELY UNDER ACCESS TO MANHOLE SHOULD BE AVOIDED.
9. TOP TREATMENT : SEE DRAWING No. DS 1032
10. STEP IRON : SEE DRAWING No. DS 1043
11. FOUNDATION : FOUNDATION OF MANHOLE VARIES WITH SITE CONDITION. THEREFORE, IT SHOULD BE DETERMINED ON SITE BY THE ENGINEER.
12. CONCRETE MIX : GRADE 30/20
13. DIAMETER OF F.A.I. NORMALLY 100 mm
14. MINIMUM COVER AT END OF BARS 40 mm
15. COVER AND FRAME NOT SHOWN ON PLAN FOR CLARITY.
16. RECESS WITH SQUARE STEEL ROD SHALL BE PROVIDED AT TOP OF MANHOLE CHAMBER FOR INSTALLING MONITORING DEVICE(S). DETAILS REFER TO DSD STANDARD DRAWING NO. DS 1099.

| REV. | DESCRIPTION | SIGNATURE | DATE |
|---|---|---|---|
| A | NOTE 16 ADDED | ORIGINAL SIGNED | 2.8.2022 |
| | NEW ISSUE | ORIGINAL SIGNED | 13.1.2016 |

# TERMINAL MANHOLE TYPE T2_1

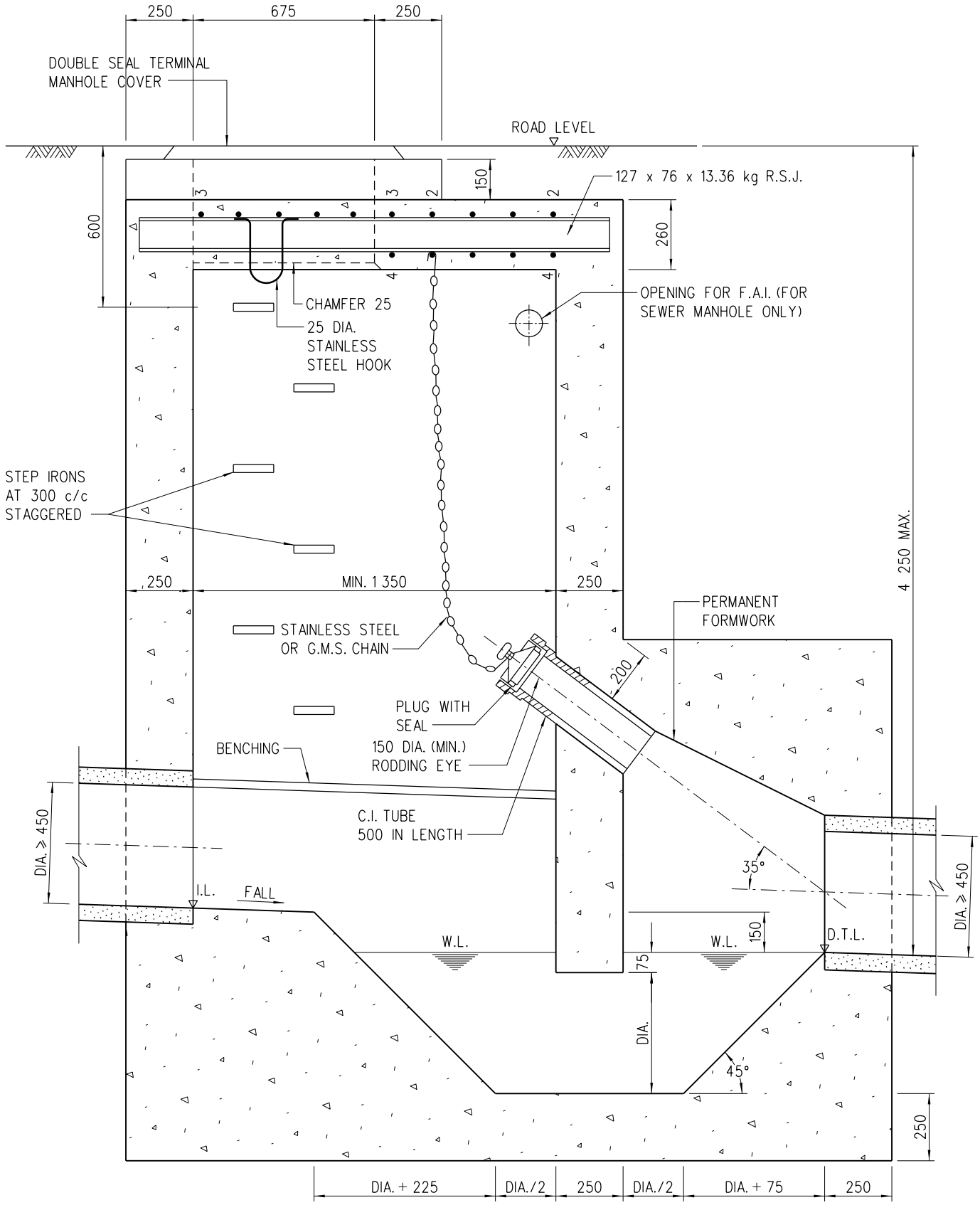
DRAINAGE SERVICES DEPARTMENT

REFERENCE

SCALE 1 : 20

DRAWING No. DS 1091A

( SHEET 1 OF 3 )




SECTION A-A

| REV. | DESCRIPTION | SIGNATURE | DATE |
|---|---|---|---|
| A | NOTE 16 ADDED | ORIGINAL SIGNED | 2.8.2022 |
| | NEW ISSUE | ORIGINAL SIGNED | 13.1.2016 |

# TERMINAL MANHOLE TYPE T2_1

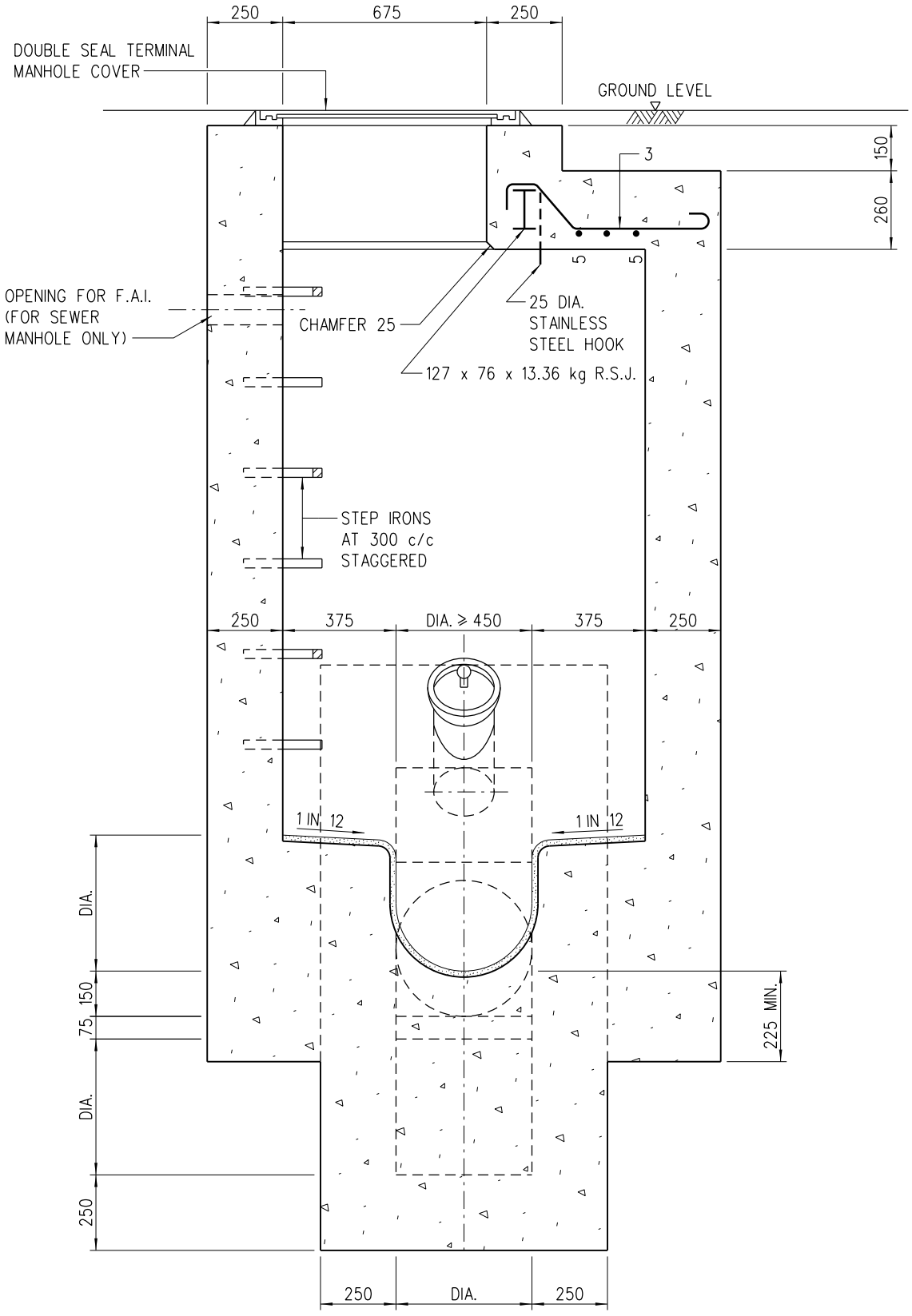
## DRAINAGE SERVICES DEPARTMENT

REFERENCE

SCALE 1 : 20

DRAWING No. DS 1091A

( SHEET 2 OF 3 )




SECTION B-B

| REV. | DESCRIPTION | SIGNATURE | DATE |
|---|---|---|---|
| A | NOTE 16 ADDED | ORIGINAL SIGNED | 2.8.2022 |
| | NEW ISSUE | ORIGINAL SIGNED | 13.1.2016 |

# TERMINAL MANHOLE TYPE T2_1

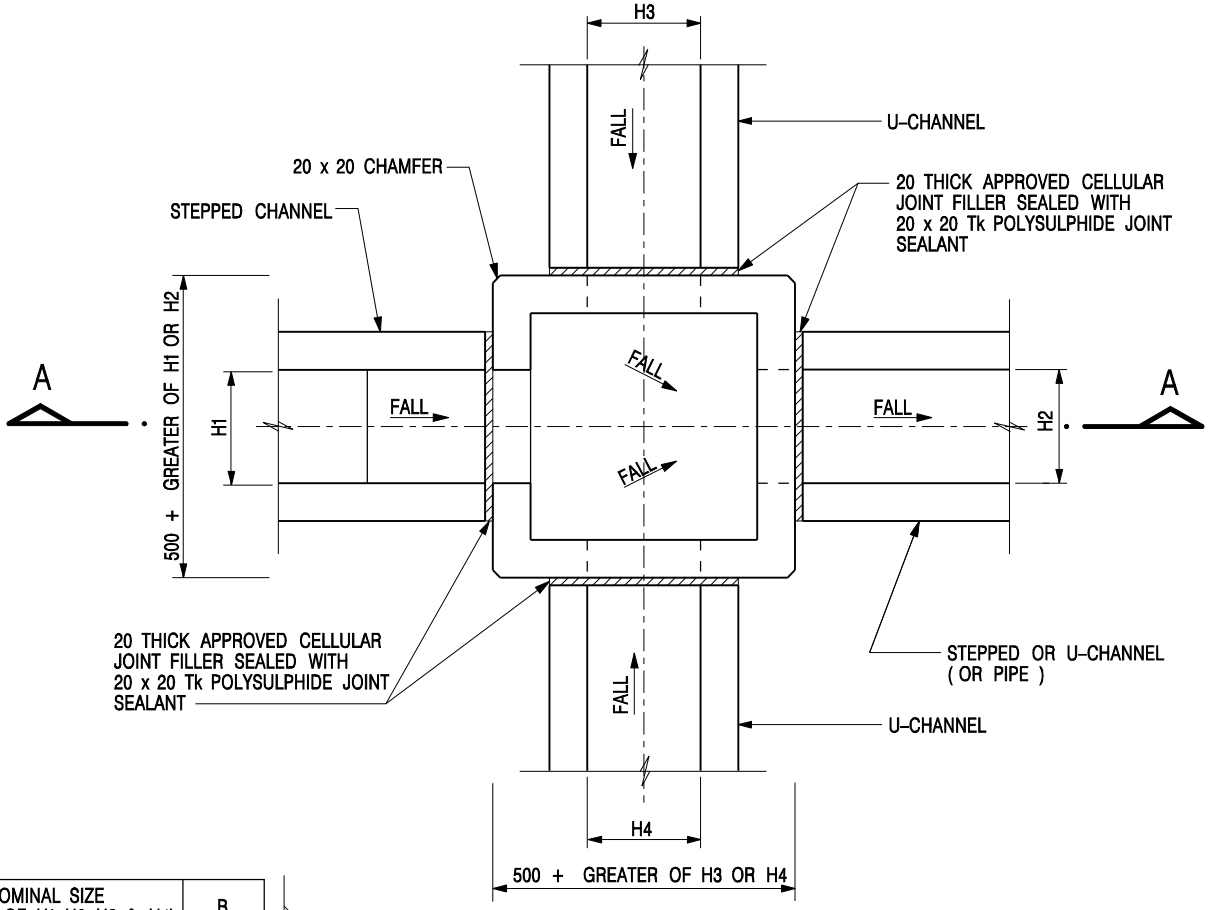
DRAINAGE SERVICES DEPARTMENT

REFERENCE

SCALE 1 : 20

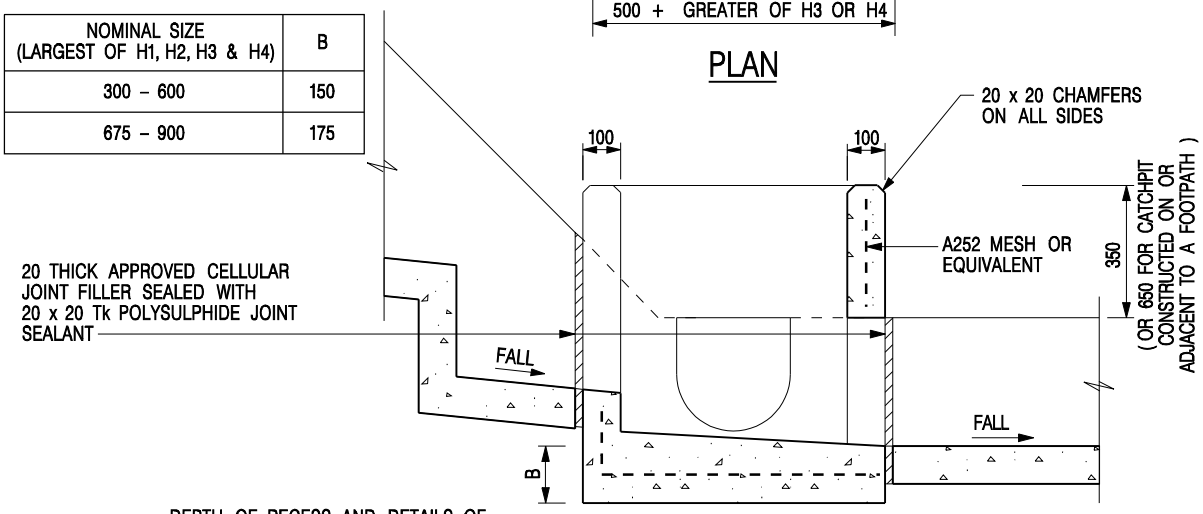
DRAWING No. DS 1091A

( SHEET 3 OF 3 )

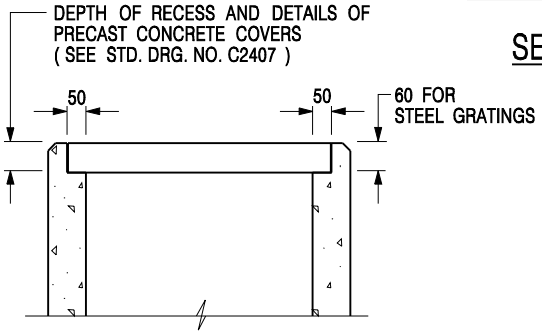



PLAN

| NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4) | B |
|---|---|
| 300 – 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

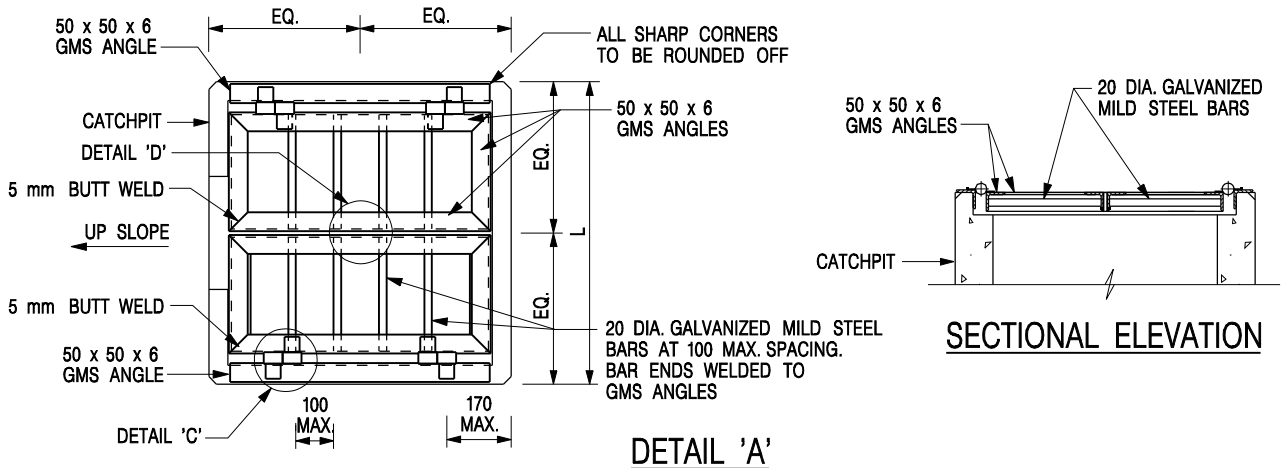
| REF. | REVISION | SIGNATURE | DATE |
|---|---|---|---|
| – | FORMER DRG. NO. C2405J. | Original Signed | 03.2015 |

# STANDARD CATCHPIT DETAILS

(SHEET 1 OF 5)

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

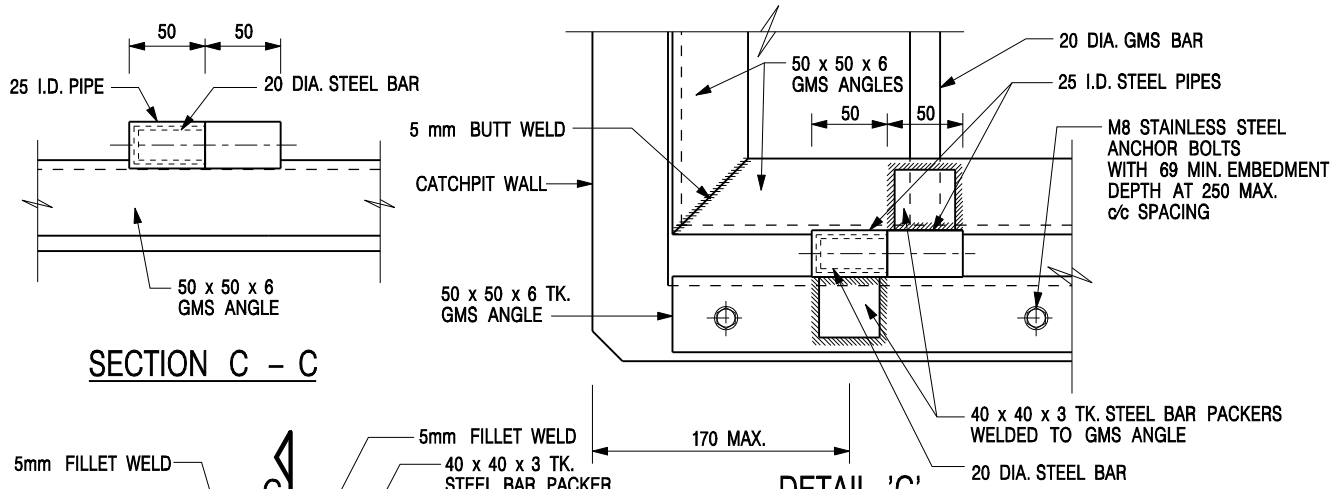
| SCALE | 1 : 20 | DRAWING NO. |
|---|---|---|
| DATE | JAN 1991 | C2405 /1 |




## DETAIL 'A'

( DETAILS OF DOUBLE SIDE OPENING STEEL GRATING FOR L>900mm )

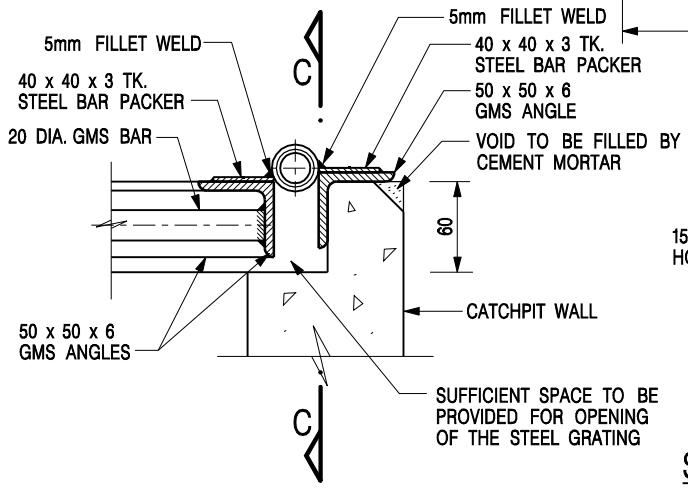
SCALE 1 : 20




## DETAIL 'C'

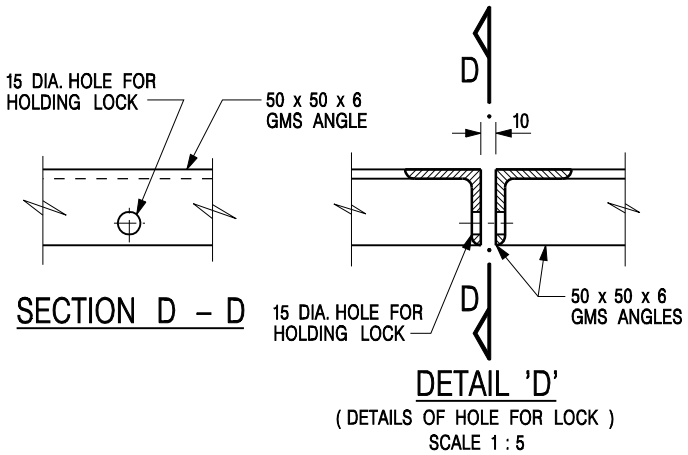
( DETAILS OF HINGE )

SCALE 1 : 5




## SECTIONAL ELEVATION

( DETAIL 'C' )




## DETAIL 'D'

( DETAILS OF HOLE FOR LOCK )

SCALE 1 : 5

NOTES:

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

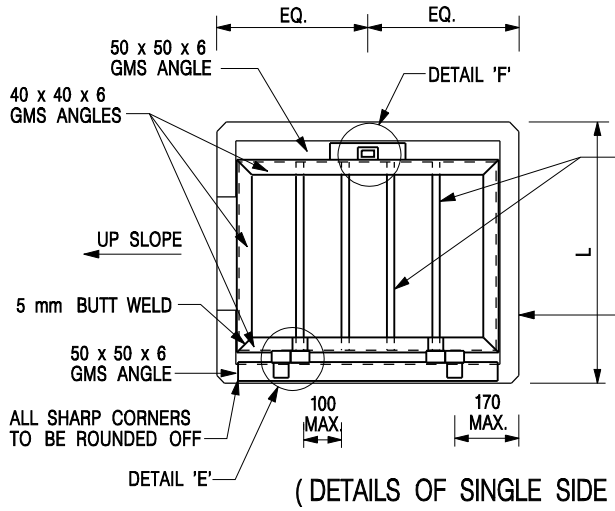
| REF. | REVISION | SIGNATURE | DATE |
|---|---|---|---|
| – | FORMER DRG. NO. C2405J. | Original Signed | 03.2015 |

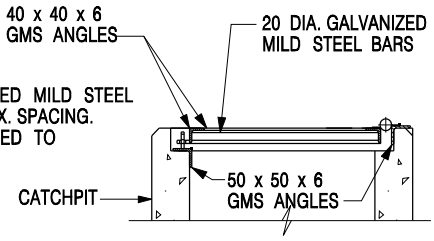
# STANDARD CATCHPIT DETAILS

(SHEET 2 OF 5)

CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

| SCALE | AS SHOWN | DRAWING NO. |
|---|---|---|
| DATE | JAN 1991 | C2405 /2 |



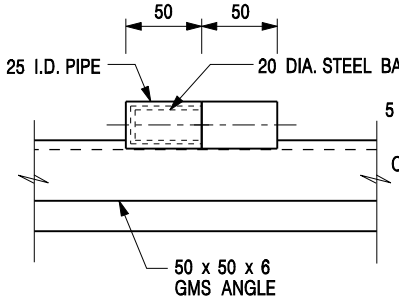




SECTIONAL ELEVATION

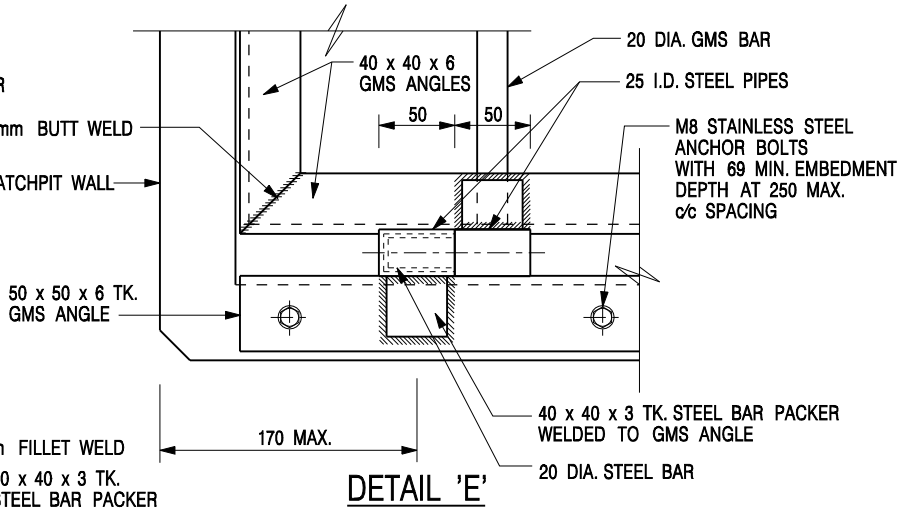
## DETAIL 'B'

( DETAILS OF SINGLE SIDE OPENING STEEL GRATING FOR L≤900mm )

SCALE 1 : 20




SECTION E – E



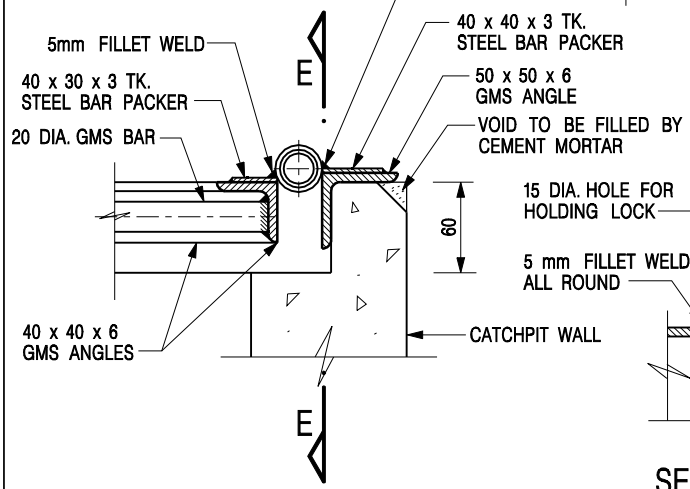




## DETAIL 'E'

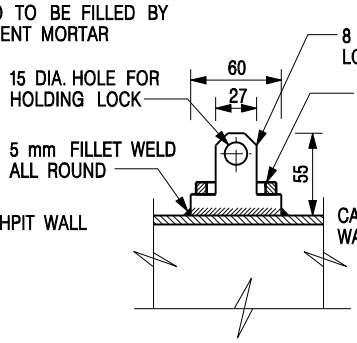
( DETAILS OF HINGE )

SCALE 1 : 5

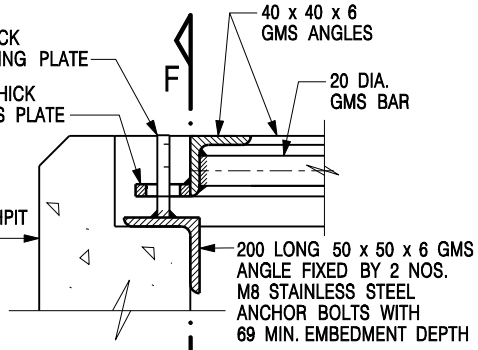



SECTIONAL ELEVATION

( DETAIL 'E' )




SECTION F – F




## DETAIL 'F'

( DETAILS OF LOCKING PLATE )

SCALE 1 : 5

NOTES:

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

| REF. | REVISION | SIGNATURE | DATE |
|---|---|---|---|
| – | FORMER DRG. NO. C2405J. | Original Signed | 03.2015 |

# STANDARD CATCHPIT DETAILS

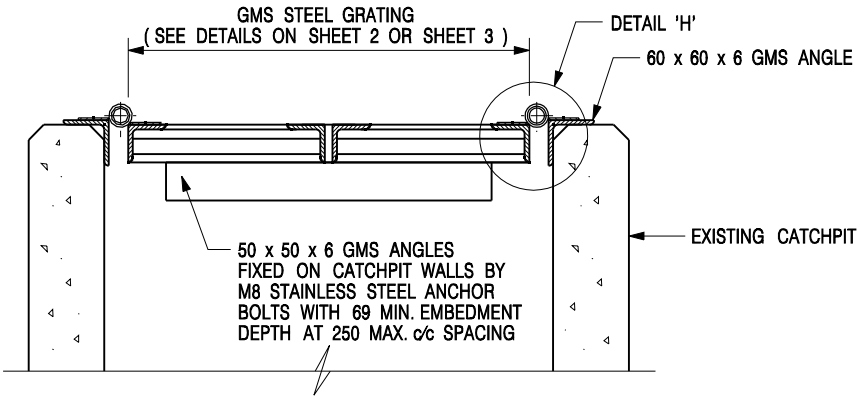
(SHEET 3 OF 5)

CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE AS SHOWN

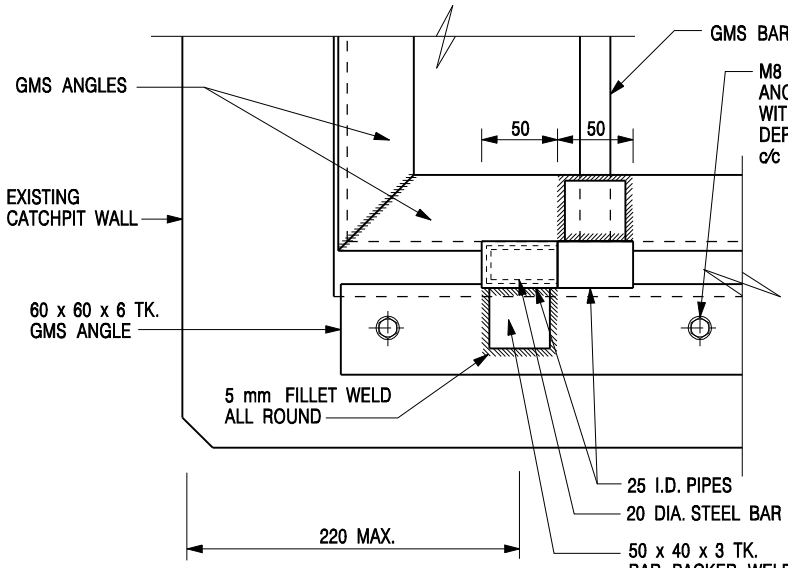
DATE JAN 1991

DRAWING NO. C2405 /3




## DETAIL 'G' – DETAILS OF STEEL GRATING CONSTRUCTED ON EXISTING CATCHPIT

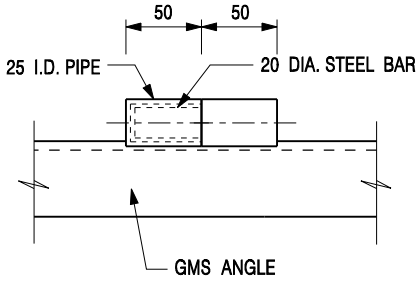
SCALE 1 : 10



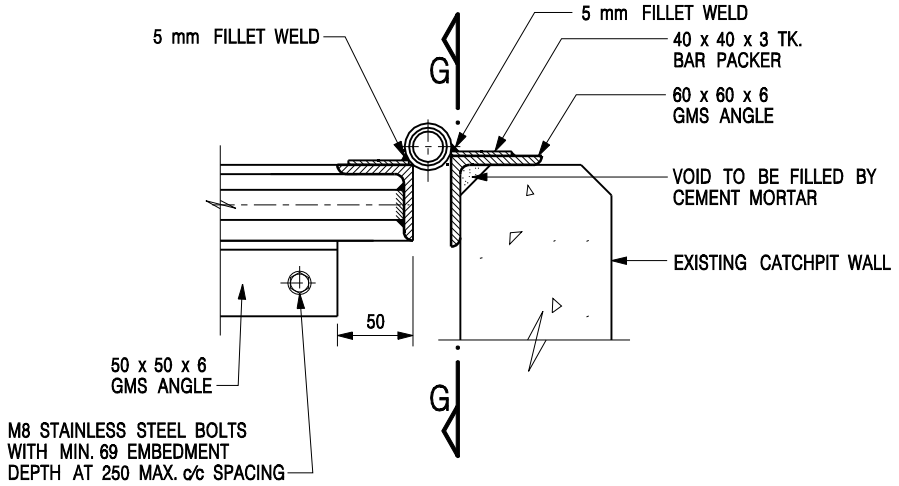

## DETAIL 'H'

( DETAILS OF HINGE )

SCALE 1 : 5




## SECTION G – G




## SECTIONAL ELEVATION

( DETAIL 'H' )

NOTES:

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

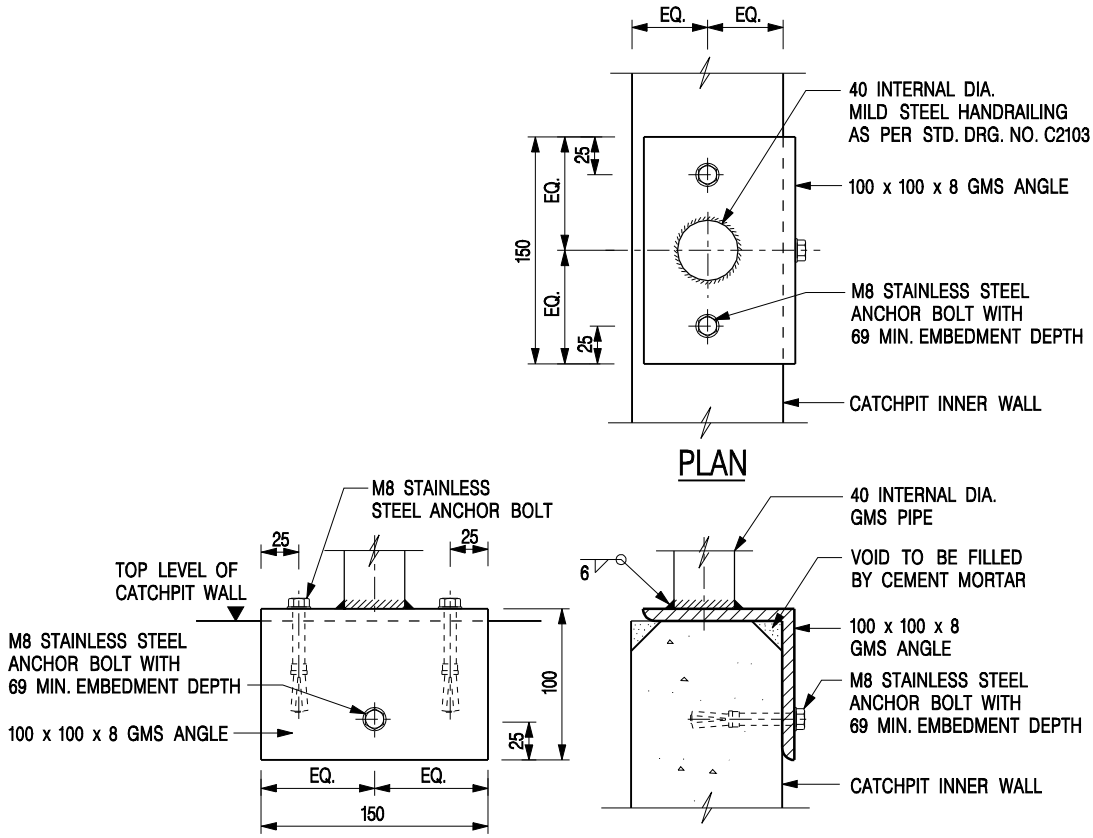
| REF. | REVISION | SIGNATURE | DATE |
|---|---|---|---|
| – | FORMER DRG. NO. C2405J. | Original Signed | 03.2015 |

# STANDARD CATCHPIT DETAILS

(SHEET 4 OF 5)

CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

| | |
|---|---|
| SCALE AS SHOWN | DRAWING NO. C2405 /4 |
| DATE JAN 1991 | |




# DETAIL 'J' – FIXING DETAILS FOR HANDRAILING ON TOP OF CATCHPIT WALL

SCALE 1 : 5

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. FOR CATCHPITS CONSTRUCTED ON OR ADJACENT TO A FOOTPATH, STEEL GRATINGS ( SEE DETAILS ON SHEET 2 OR SHEET 3 ) OR CONCRETE COVERS ( SEE STD. DRG. NO. C2407 ) SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.
7. IF INSTRUCTED BY THE ENGINEER, HANDRAILING ( SEE DETAIL 'J' ON SHEET 5; 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.
8. 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 mm c/c STAGGERED SHALL BE PROVIDED. THICKNESS OF CATCHPIT WALL FOR INSTALLATION OF STEP IRONS SHALL BE INCREASED TO 150 mm.
9. FOR RETROFITTING AN EXISTING CATCHPIT WITH STEEL GRATING, SEE DETAIL 'G' ON SHEET 4.
10. ALL STEEL ANGLES SHALL COMPLY WITH BS EN 10025 AND BS EN 10056.
11. UNLESS OTHERWISE SPECIFIED, ALL WELDS SHALL BE 5 mm CONTINUOUS FILLET WELDS.
12. ALL WELDS SHALL BE CHIPPED, GROUND SMOOTH, BRUSHED TO REMOVE SLAG PRIOR TO HOT-DIP GALVANIZATION.
13. ALL STEELWORK SHALL BE HOT-DIP GALVANIZED TO BS EN ISO 1461. ALL EXPOSED STEELWORK SURFACES SHALL BE TREATED AND PAINTED IN ACCORDANCE WITH THE GENERAL SPECIFICATION.
14. SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

| REF. | REVISION | SIGNATURE | DATE |
|---|---|---|---|
| – | FORMER DRG. NO. C2405J. | Original Signed | 03.2015 |

# STANDARD CATCHPIT DETAILS

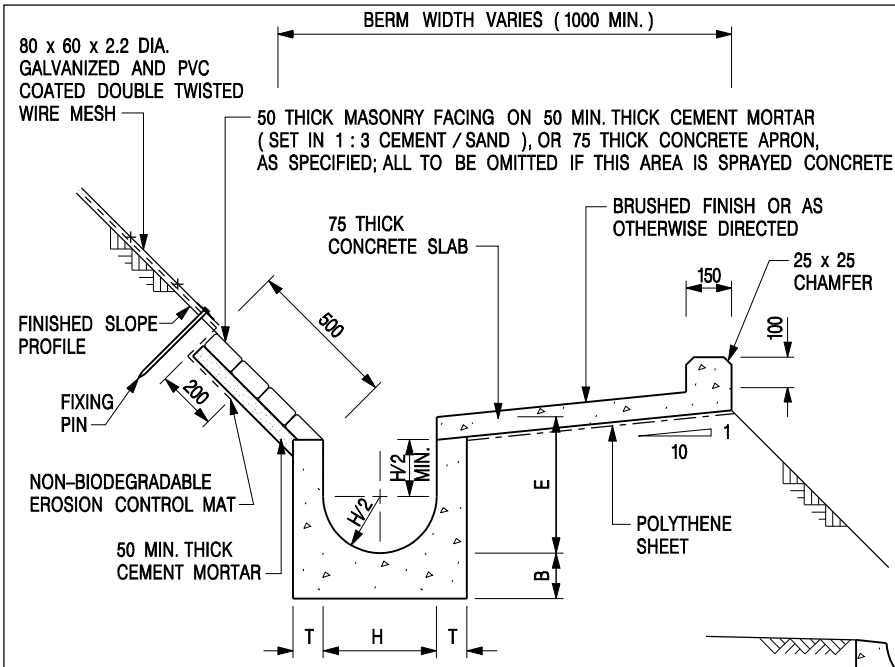
(SHEET 5 OF 5)

CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

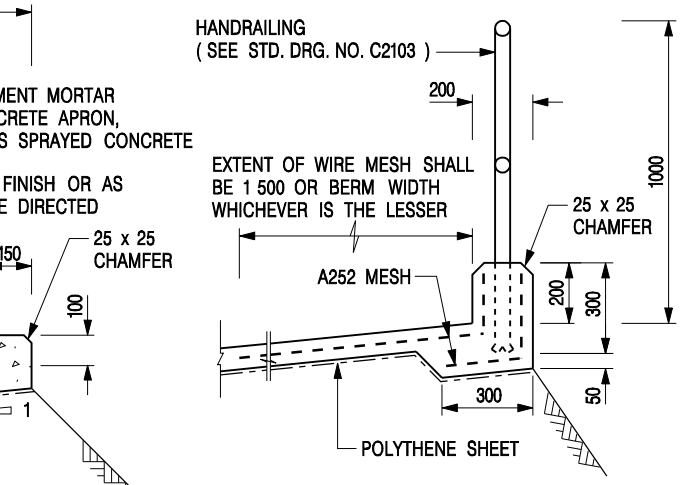
SCALE AS SHOWN

DATE JAN 1991

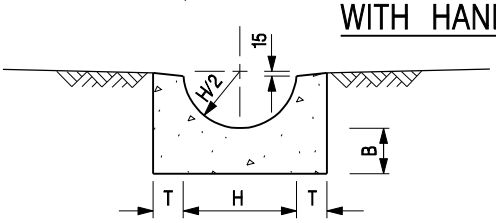
DRAWING NO. C2405 /5



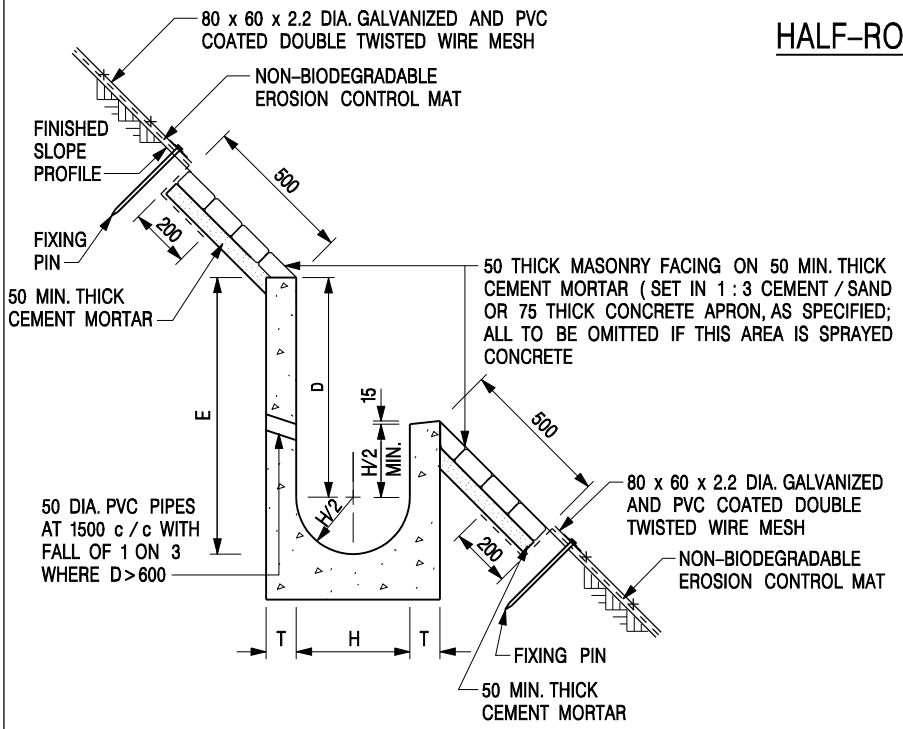

## U-CHANNELS CONSTRUCTED ON BERM




## DETAILS OF BERM WITH HANDRAILING




## HALF-ROUND CHANNEL




## U-CHANNELS NOT CONSTRUCTED ON BERM

### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL CONCRETE TO BE GRADE 20 / 20.
3. CONCRETE SURFACE FINISH SHALL BE CLASS U2, F2 OR BRUSHED FINISH AS DIRECTED.
4. SPACING OF EXPANSION JOINT IN CHANNELS, BERM SLABS AND APRONS TO BE 10 METRES MAXIMUM, SEE STD. DRG. NO. C2413 FOR DETAILS.
5. JOINTS FOR CHANNELS, BERM SLABS, APRONS AND WALLS, ETC. TO BE ON THE SAME ALIGNMENT.
6. FOR DIMENSIONS T, H, & B, SEE TABLE BELOW.
7. BIODEGRADABLE EROSION CONTROL MAT IF REQUIRED, SEE STD. DRG. NO. C2511/1E.
8. CONCRETE TO BE COLOURED AS SPECIFIED.
9. CONCRETE U-CHANNEL CAN BE CAST IN-SITU OR PRECAST CONCRETE SUBJECT TO THE ENGINEER'S AGREEMENT ON THE DETAILS.
10. DETAILS OF EROSION CONTROL MAT AND WESH MESH ON BERM. (SEE STD DRG. NO. C2511/1E)

| NOMINAL SIZE H | T | B | REINFORCEMENT |
|---|---|---|---|
| 300 | 80 | 100 | A252 MESH PLACED CENTRALLY AND T=100 WHEN E>650 |
| 375 – 600 | 100 | 150 | |
| 675 – 900 | 125 | 175 | A252 MESH PLACED CENTRALLY |

| REF. | REVISION | SIGNATURE | DATE |
|---|---|---|---|
| I | MINOR AMENDMENT. | Original Signed | 07.2018 |
| H | THICKNESS OF MASONRY FACING AMENDED. | Original Signed | 01.2005 |
| G | MINOR AMENDMENT. | Original Signed | 01.2004 |
| F | GENERAL REVISION. | Original Signed | 12.2002 |
| E | DRAWING TITLE AMENDED. | Original Signed | 11.2001 |
| D | MINOR AMENDMENT. | Original Signed | 08.2001 |
| C | 150 x 100 UPSTAND ADDED AT BERM. | Original Signed | 6.99 |
| B | MINOR AMENDMENTS. | Original Signed | 3.94 |

# DETAILS OF HALF-ROUND AND U-CHANNELS ( TYPE A – WITH MASONRY APRON )

CEDD CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

SCALE 1 : 25

DATE JAN 1991

DRAWING NO. C2409I

**Assessment of Hydraulic Capacities of the Proposed Drainage System for 1 in 50 year design return period**

**Using Rational Method**
Design Flow = $0.278CiA$ $m^3/s$ for grassland (heavy soil) - steep, C 0.35
for concrete surface, C = 0.95

**Using Manning Equation**
Design Mean Velocity = $R^{1/6}/n(RS_f)^{1/2}$ where n = 0.016 for concrete-lined open channel with fair surface
(ref. Table 13 in SDM) 0.050 equivalent to 'natural-stream channels - winding some pools, shoals, weeds and stones under bad condition'

**Using Gumbel Solution in frequency analysis**
Rainfall intensity = $a / (t_d+b)^c$ where a = 1740.1 , b= 19.78 and c= 0.570 in 50 year design return period
referenced from Table 3b in SDM - Storm Constants for Different Return Periods of Tai Mo Shan Area

**Using Bransby William's Equation (for channel flow)**
Inlet time $t_0$ = $0.14465L/(H^{0.2}A^{0.1})$ or 2 when the distance is too short

**Using Colebrook's White Equation (for pipe flow)**
V = - Sqt (8gDs) x log [(k$_s$ / 3.7D) + (2.51v / D x Sqt (2gDs))]
For precast concrete pipes with 'O' ring joints with poor condition,
k$_s$ (mm) = 0.6 k$_s$ (m) = 0.0006
v ($m^2/s$) = 1.00E-06
g ($m^2/s$) = 9.81

* - conservative, as the subject proposed development is for temporary use for 3 years only

| USCP/USMH | DSCP/DSMH | Collected Runoff from Catchment (refer to Figure 3 and 4) | USGL (mPD) | DSGL (mPD) | USIL (mPD) | DSIL (mPD) | INVERT DIFF. (m) | LENGTH L (m) | SLOPE s | SLOPE 1 IN | INLET TIME $t_0$ (min) | TIME OF CONCENTRATION $t_c$ (min) | RAINFALL INTENSITY i (mm/hr) | RAINFALL INTENSITY INCLUDING EFFECT OF CLIMATE CHANGE (+16.0%*) (mm/hr) [refer to item (e) and (k) in SDM Corrigendum No. 1/2022] | ADOPTED RAINFALL INTENSITY INCLUDING EFFECT OF CLIMATE CHANGE (+16.0%) & DESIGN ALLOWANCE (12.1%) (mm/hr) [refer to item (e), (k) and (n) in SDM Corrigendum No. 1/2022] | RUNOFF COEF. C | SUB-CATCHMENT AREA ($m^2$) | EFF. AREA ($m^2$) | CUM. EFF. AREA ($m^2$) | DESIGN FLOW ($m^3/s$) | SIZE (mm) | CHANNEL TYPE | VELOCITY (m/s) | FLOW CAPACITY ($m^3/s$) | 90% FLOW CAPACITY ($m^3/s$) (to cater for potential deposition of sediment) | SPARE CAPACITY ($m^3/s$) | Occupancy of the Proposed Pipe / Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Top of Area A1 | Point A | A1 | | | 19.30 | 15.40 | | 460.00 | | | 24.16 | | | | | 0.95 | 34,995 | 33,245 | 33,245 | | | | | | | | | | | |
| Point A | Point B | ditto | 15.40 | 15.40 | 14.40 | 13.68 | 0.72 | 43.00 | 0.017 | 60 | 24.16 | 24.32 | 201.02 | 233.18 | 261.40 | 0.95 | 0 | 0 | 33,245 | 2.416 | 1000 | precast concrete pipe | 4.32 | 3.39 | 3.05 | 0.639 | 79.1% | OK! | | |
| Point B | Point C | ditto | 15.40 | 15.40 | 13.68 | 13.31 | 0.37 | 37.00 | 0.010 | 100 | 24.32 | 24.79 | 199.80 | 231.77 | 259.82 | 0.95 | 0 | 0 | 33,245 | 2.401 | 1500 | 1.0m deep earth channel | 1.31 | 3.50 | 3.15 | 1.101 | 68.6% | OK! | (with 0.3m freeboard) | |
| Point C | Point D | ditto | 15.40 | 15.40 | 13.31 | 12.62 | 0.69 | 45.00 | 0.015 | 65 | 24.79 | 24.97 | 199.34 | 231.24 | 259.22 | 0.95 | 0 | 0 | 33,245 | 2.396 | 1000 | precast concrete pipe | 4.15 | 3.26 | 2.93 | 0.539 | 81.6% | OK! | | |
| Point D | Point E | A1 + A2 + A3 | 15.40 | 15.40 | 12.62 | 12.40 | 0.23 | 45.00 | 0.005 | 200 | 24.97 | 25.63 | 197.70 | 229.33 | 257.08 | 0.95 | 3,839 | 3,647 | 59,754 | 4.271 | 2000 | 2.0m deep earth channel | 1.15 | 6.20 | 5.58 | 1.930 | 68.9% | OK! | (with 0.3m freeboard) | |
| Top of Area A2 | Point F | A2 | | | 19.30 | 14.40 | | 295.00 | | | 14.06 | | | | | 0.95 | 24,065 | 22,862 | 22,862 | | | | | | | | | | | |
| Point F | Point D | ditto | 15.40 | 15.40 | 14.40 | 12.70 | 1.70 | 170.00 | 0.010 | 100 | 14.06 | 14.86 | 230.69 | 267.61 | 299.99 | 0.95 | 0 | 0 | 22,862 | 1.907 | 1100 | precast concrete pipe | 3.55 | 3.37 | 3.03 | 1.127 | 62.9% | OK! | | |
| Starting Point 1 | CP1 | 2/3 Site Area (conservative) | 16.00 | 16.00 | 15.40 | 15.28 | 0.12 | 12.00 | 0.010 | 100 | 2.00 | 2.09 | 299.84 | 347.81 | 389.90 | 0.95 | 6,655 | 6,323 | 6,323 | 0.685 | 600 | UC | 2.28 | 0.90 | 0.81 | 0.213 | 76.3% | OK! | | |
| CP1 | CP2 | ditto | 16.00 | 16.00 | 15.28 | 15.23 | 0.05 | 5.00 | 0.010 | 100 | 2.09 | 2.12 | 299.56 | 347.49 | 389.53 | 0.95 | 0 | 0 | 6,323 | 0.685 | 600 | UC | 2.31 | 0.98 | 0.88 | 0.294 | 70.0% | OK! | | |
| CP2 | CP3 | ditto | 16.00 | 16.00 | 15.23 | 15.22 | 0.01 | 1.00 | 0.010 | 100 | 2.12 | 2.13 | 299.50 | 347.42 | 389.46 | 0.95 | 0 | 0 | 6,323 | 0.685 | 600 | UC | 2.32 | 0.99 | 0.90 | 0.211 | 76.5% | OK! | | |
| CP3 | CP4 | ditto | 16.00 | 16.00 | 15.22 | 15.03 | 0.19 | 38.00 | 0.005 | 200 | 2.13 | 2.50 | 296.63 | 344.09 | 385.73 | 0.95 | 0 | 0 | 6,323 | 0.678 | 600 | UC | 1.70 | 0.92 | 0.83 | 0.152 | 81.7% | OK! | | |
| CP4 | CP5 | ditto | 16.00 | 16.00 | 15.03 | 14.86 | 0.17 | 50.00 | 0.003 | 300 | 2.50 | 3.09 | 292.26 | 339.02 | 380.04 | 0.95 | 0 | 0 | 6,323 | 0.668 | 600 | UC | 1.42 | 0.91 | 0.82 | 0.152 | 81.4% | OK! | | |
| CP5 | CP6 | ditto | 16.00 | 16.00 | 14.86 | 14.80 | 0.06 | 19.00 | 0.003 | 300 | 3.09 | 3.31 | 290.65 | 337.16 | 377.95 | 0.95 | 0 | 0 | 6,323 | 0.664 | 600 | UC | 1.43 | 0.97 | 0.87 | 0.210 | 76.0% | OK! | | |
| CP6 | CP7 | ditto | 16.00 | 16.00 | 14.80 | 14.78 | 0.02 | 6.00 | 0.003 | 300 | 3.31 | 3.38 | 290.15 | 336.58 | 377.30 | 0.95 | 0 | 0 | 6,323 | 0.663 | 600 | UC | 1.43 | 0.99 | 0.89 | 0.229 | 74.4% | OK! | | |
| CP7 | CP8 | ditto | 16.00 | 16.00 | 14.78 | 14.66 | 0.13 | 50.00 | 0.003 | 400 | 3.38 | 4.05 | 285.50 | 331.18 | 371.26 | 0.95 | 0 | 0 | 6,323 | 0.653 | 600 | UC | 1.25 | 0.96 | 0.87 | 0.213 | 75.4% | OK! | | |
| CP8 | CP9 | ditto | 16.00 | 16.00 | 14.66 | 14.59 | 0.07 | 33.00 | 0.002 | 500 | 4.05 | 4.54 | 282.22 | 327.37 | 366.98 | 0.95 | 0 | 0 | 6,323 | 0.645 | 600 | UC | 1.12 | 0.91 | 0.82 | 0.173 | 78.9% | OK! | | |
| CP9 | CP10 | ditto | 16.00 | 16.00 | 14.59 | 14.55 | 0.04 | 22.00 | 0.002 | 500 | 4.54 | 4.86 | 280.09 | 324.90 | 364.22 | 0.95 | 0 | 0 | 6,323 | 0.640 | 600 | UC | 1.13 | 0.94 | 0.85 | 0.207 | 75.5% | OK! | | |
| CP10 | TM | ditto | 16.00 | 16.00 | 14.55 | 14.48 | 0.07 | 34.00 | 0.002 | 500 | 4.86 | 5.36 | 276.90 | 321.21 | 360.07 | 0.95 | 0 | 0 | 6,323 | 0.633 | 600 | UC | 1.13 | 0.99 | 0.89 | 0.260 | 70.9% | OK! | | |
| Starting Point 2 | CP11 | 1/3 Site Area (conservative) | 16.00 | 16.00 | 15.50 | 15.18 | 0.32 | 79.00 | 0.004 | 250 | 2.00 | 3.03 | 292.69 | 339.52 | 380.60 | 0.95 | 3,328 | 3,161 | 3,161 | 0.334 | 450 | UC | 1.27 | 0.44 | 0.40 | 0.106 | 76.0% | OK! | | |
| CP11 | CP12 | ditto | 16.00 | 16.00 | 15.18 | 15.15 | 0.04 | 11.00 | 0.003 | 300 | 3.03 | 3.19 | 291.55 | 338.19 | 379.11 | 0.95 | 0 | 0 | 3,161 | 0.333 | 450 | UC | 1.17 | 0.42 | 0.38 | 0.090 | 78.7% | OK! | | |
| CP12 | CP13 | ditto | 16.00 | 16.00 | 15.15 | 15.05 | 0.10 | 30.00 | 0.003 | 300 | 3.19 | 3.61 | 288.54 | 334.70 | 375.20 | 0.95 | 0 | 0 | 3,161 | 0.330 | 450 | UC | 1.19 | 0.48 | 0.43 | 0.104 | 76.0% | OK! | | |
| CP13 | CP14 | ditto | 16.00 | 16.00 | 15.05 | 15.03 | 0.02 | 5.00 | 0.003 | 300 | 3.61 | 3.68 | 288.04 | 334.13 | 374.56 | 0.95 | 0 | 0 | 3,161 | 0.329 | 450 | UC | 1.19 | 0.49 | 0.44 | 0.114 | 74.3% | OK! | | |
| CP14 | CP15 | ditto | 16.00 | 16.00 | 15.03 | 14.91 | 0.12 | 36.00 | 0.003 | 300 | 3.68 | 4.18 | 284.61 | 330.15 | 370.10 | 0.95 | 0 | 0 | 3,161 | 0.325 | 450 | UC | 1.20 | 0.56 | 0.51 | 0.182 | 64.2% | OK! | | |
| CP15 | CP16 | ditto | 16.00 | 16.00 | 14.91 | 14.83 | 0.08 | 24.00 | 0.003 | 300 | 4.18 | 4.51 | 282.40 | 327.58 | 367.22 | 0.95 | 0 | 0 | 3,161 | 0.323 | 450 | UC | 1.21 | 0.61 | 0.55 | 0.227 | 58.7% | OK! | | |
| CP16 | CP17 | ditto | 16.00 | 16.00 | 14.83 | 14.74 | 0.09 | 26.00 | 0.003 | 300 | 4.51 | 4.87 | 280.07 | 324.88 | 364.19 | 0.95 | 0 | 0 | 3,161 | 0.320 | 450 | UC | 1.22 | 0.66 | 0.60 | 0.276 | 53.7% | OK! | | |
| CP17 | CP18 | ditto | 16.00 | 16.00 | 14.74 | 14.72 | 0.03 | 8.00 | 0.003 | 300 | 4.87 | 4.98 | 279.36 | 324.06 | 363.27 | 0.95 | 0 | 0 | 3,161 | 0.319 | 450 | UC | 1.22 | 0.68 | 0.61 | 0.291 | 52.3% | OK! | | |
| CP18 | CP19 | ditto | 16.00 | 16.00 | 14.72 | 14.66 | 0.05 | 16.00 | 0.003 | 300 | 4.98 | 5.19 | 277.97 | 322.45 | 361.46 | 0.95 | 0 | 0 | 3,161 | 0.318 | 450 | UC | 1.23 | 0.71 | 0.64 | 0.321 | 49.7% | OK! | | |
| CP19 | CP20 | ditto | 16.00 | 16.00 | 14.66 | 14.65 | 0.01 | 4.00 | 0.003 | 300 | 5.19 | 5.25 | 277.63 | 322.05 | 361.02 | 0.95 | 0 | 0 | 3,161 | 0.317 | 450 | UC | 1.23 | 0.72 | 0.65 | 0.329 | 49.1% | OK! | | |
| CP20 | TM | ditto | 16.00 | 16.00 | 14.65 | 14.62 | 0.03 | 8.00 | 0.003 | 300 | 5.25 | 5.36 | 276.94 | 321.26 | 360.13 | 0.95 | 0 | 0 | 3,161 | 0.316 | 450 | UC | 1.23 | 0.73 | 0.66 | 0.344 | 47.9% | OK! | | |
| **Discharge Point** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TM | Proposed outfall | Site Area | 16.00 | 16.00 | 14.33 | 14.32 | 0.01 | 2.00 | 0.005 | 200 | 5.36 | 5.38 | 276.81 | 321.10 | 359.95 | 0.95 | 0 | 0 | 9,484 | 0.949 | 900 | precast concrete pipe | 2.21 | 1.41 | 1.27 | 0.317 | 74.9% | OK! | | |
| **Existing Streamcourse at Downstream of the Subject Site** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proposed outfall (Point E) | Section X-X at the immediate downstream of the Proposed outfall | A1 + A2 + A3 + Site Area | 16.00 | 13.30 | 12.40 | 10.80 | 0.02 | 3.00 | 0.005 | 200 | 25.63 | 25.67 | 197.60 | 229.22 | 256.95 | 0.95 | 0 | 0 | 69,238 | 4.946 | 2500 | 2m deep earth channel | 1.22 | 6.69 | 6.02 | 1.072 | 82.2% | OK! | (with 0.3m freeboard) | |

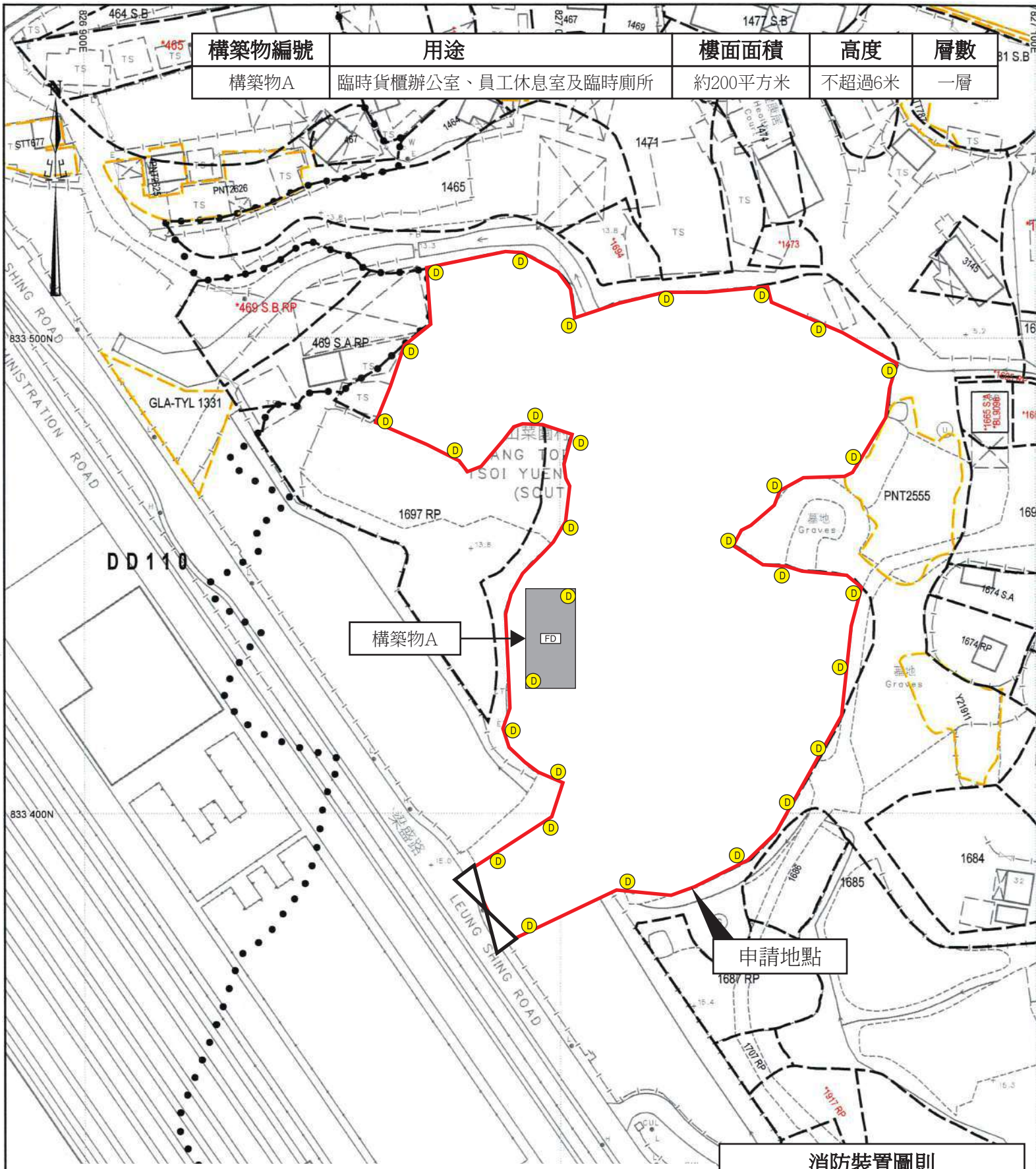
subcatchment
Site Area 9,983 9,983
A1 34,995
A2 24,065
A3 3,839
total = 72,882 72,882

**消防裝置：**

申請人會依照消防處所提供的意見，為申請地點設置合適的消防裝置，並定期進行維護及保養。

詳情請參閱以下圖則。

| 構築物編號 | 用途 | 樓面面積 | 高度 | 層數 |
|---|---|---|---|---|
| 構築物A | 臨時貨櫃辦公室、員工休息室及臨時廁所 | 約200平方米 | 不超過6米 | 一層 |




## F.S. NOTES

1. ENCLOSED STRUCTURE WITH GROSS FLOOR AREA NOT EXCEEDING 230 SQUARE METERS, PORTABLE FIRE EXTINGUISHER AND STAND-ALONE FIRE DETECTOR SHALL BE PROVIDED.
2. IF TWO OR MORE STAND-ALONE FIRE DETECTORS ARE INSTALLED IN AN ENCLOSED STRUCTURE, ALL DETECTORS SHALL BE INTERCONNECTED (EITHER WIRED OR WIRELESSLY) SUCH THAT WHEN ONE OF THE DETECTORS IS TRIGGERED, ALL CONNECTED DETECTORS SHALL SOUND AN ALARM SIMULTANEOUSLY.
3. STAND-ALONE FIRE DETECTORS SHALL BE PROVIDED IN ACCORDANCE WITH THE "STAND-ALONE FIRE DETECTOR GENERAL GUIDELINES ON PURCHASE, INSTALLATION & MAINTENANCE [SEP 2021]".
4. UNLESS TOTAL FLOOR AREA FOR A STRUCTURE EXCEED 230 SQUARE METERS, NO SPRINKLER SYSTEM IS REQUIRED.

| 消防裝置圖則 | |
|---|---|
| FD | 火警偵測器 |
| D | 五公斤乾粉式滅火筒 |
| | 構築物 |
| SCALE | 1: 1000 |

**交通運輸：**

申請地點南面有一個明確的出入口，可以經梁盛路直通錦田公路，出入口寬度約18米。

申請地點內有足夠的空間，讓車輛進行機動迴旋調頭。

申請地點設有私家車停車位 5 個，每個尺寸約 5 米 x2.5 米；中型/重型貨車停車位 5 個，每個尺寸約 11 米 x3.5 米。

申請人和土地使用者承諾如是次規劃申請獲批，會定期保養申請地點出入口路面。

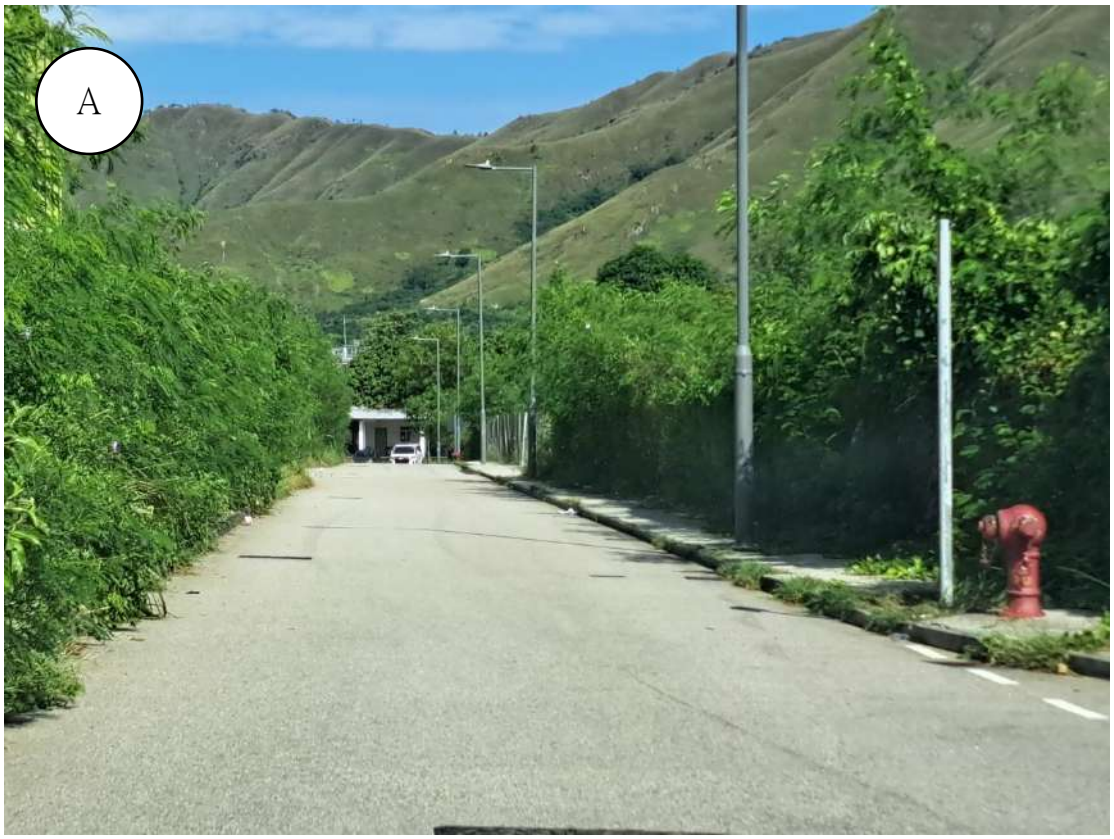
申請地點預計平均每天進出約5輛私家車和5輛中型/重型貨車，不會提高申請地點附近的汽車流量。就整體而言，不會對錦田公路或附近交通造成影響。

| 預計申請地點內每天車流量時間表 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 時間 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400 |
| 車輛數 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |

詳情請參閱以下圖則。


申請地點
車輛機動空間
直徑約14米
交通運輸圖則
車輛調頭空間
出入口
現有行車通道
中型/重型貨車停車位
私家車停車位
SCALE 1: 1000
DD 110
GLA-TYL 1331
1697 RP
PNT2555
1687 RP
1684
1685
833 500N
833 400N
833 300N
826 900E
827 000E


横台山菜園
横台山菜園村（北）
錦田公路
(北)
靜園
健康居
公路
梁盛路
B
約4.5米
約4.5米
行政路
A
緊急救援西路
申請地點
中路
相片拍攝位置
現有行車通道
NOT TO SCALE


A


B