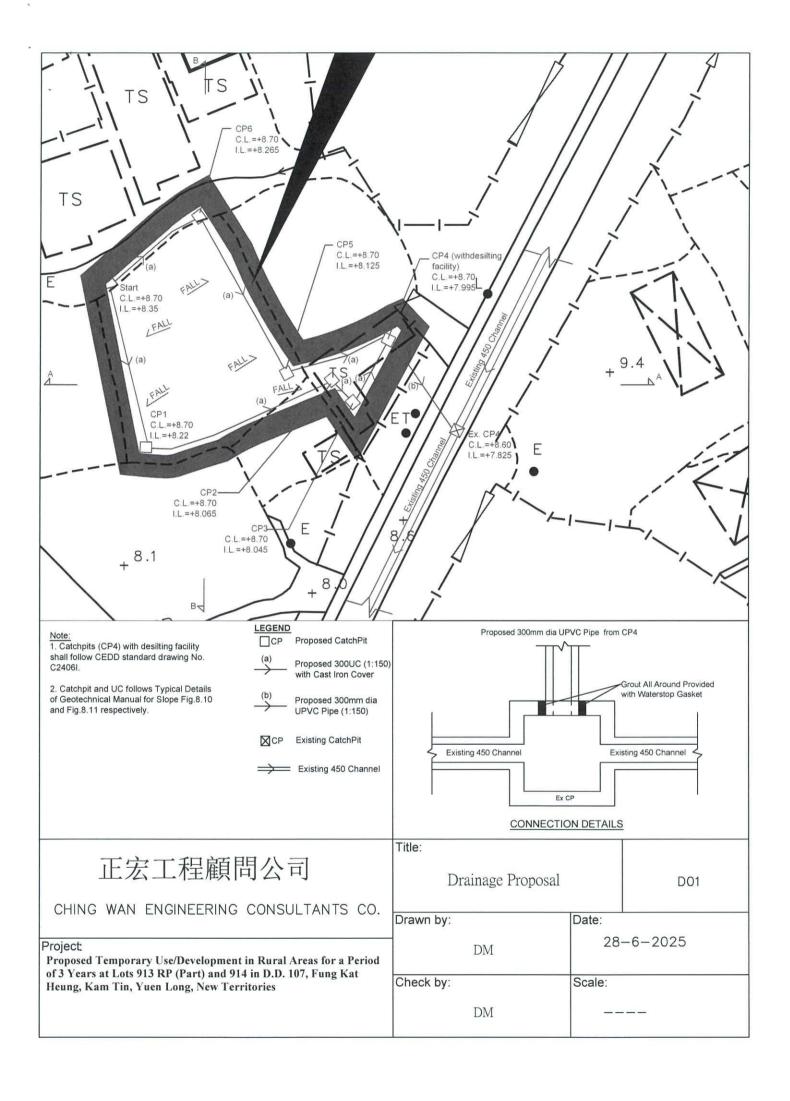
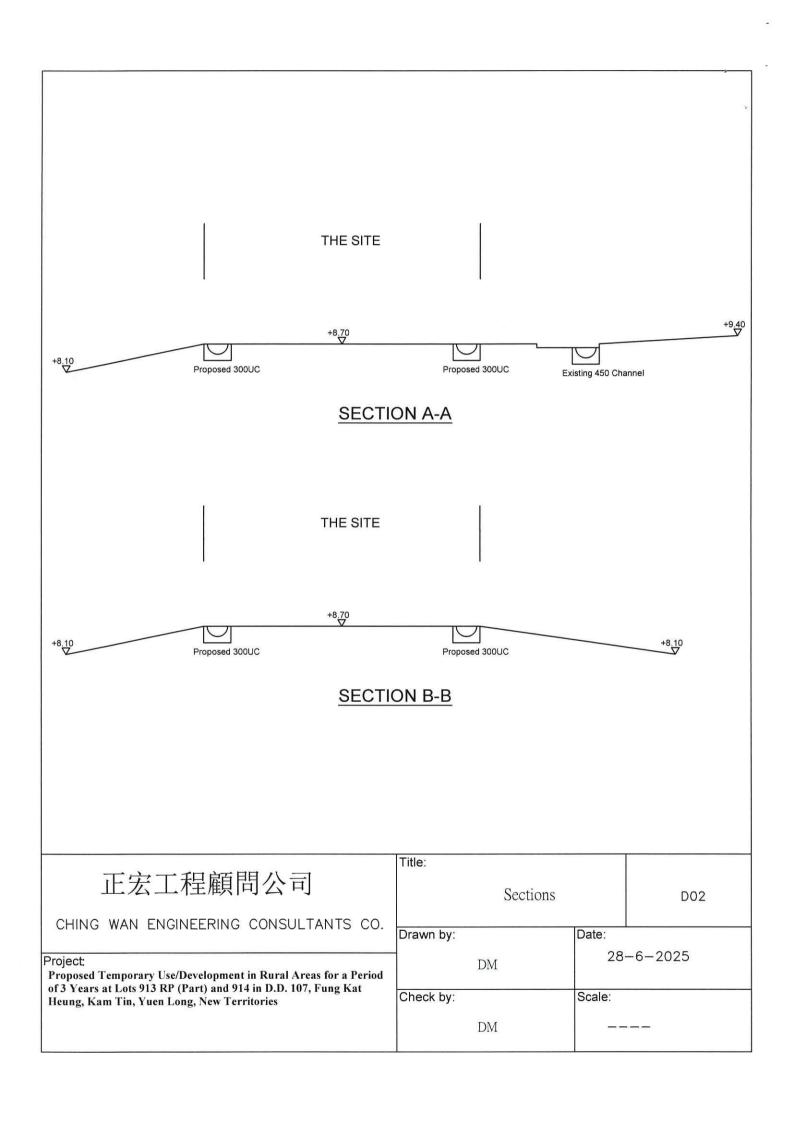
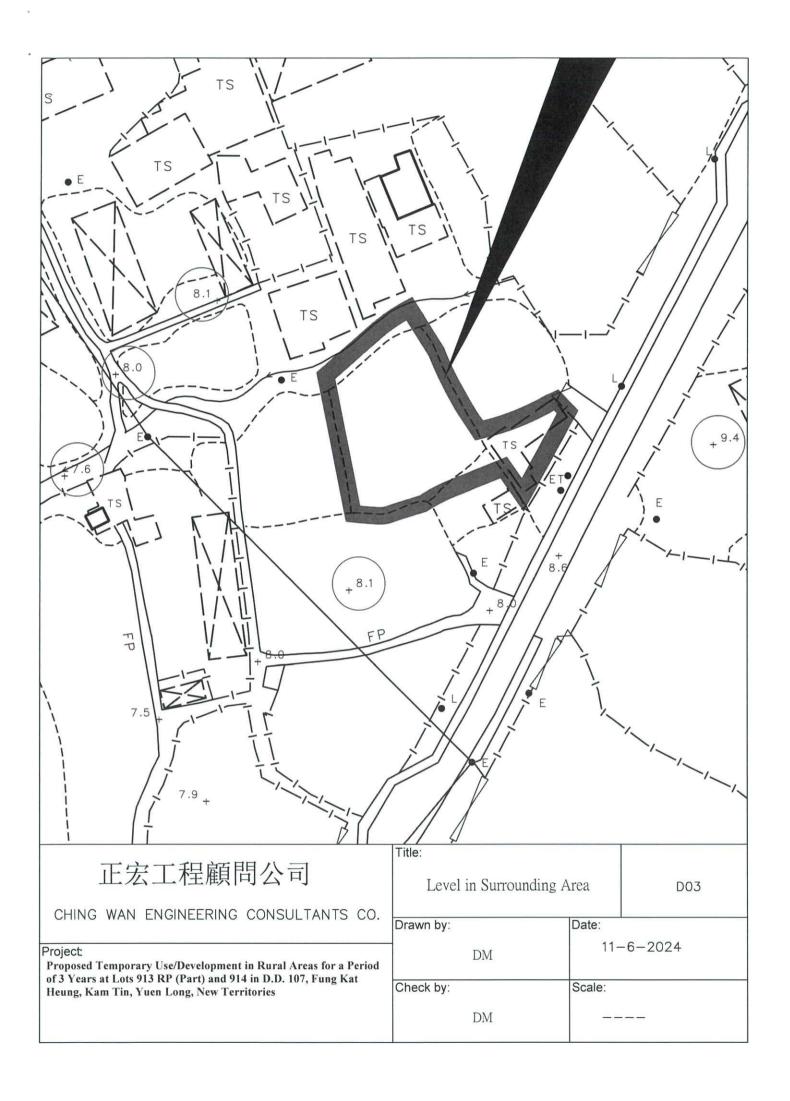
Proposed Temporary Warehouse (Excluding Dangerous Goods Godown)
and Associated Filling of Land for a Period of 3 Years in "Agriculture" Zone,
Lots 913 RP (Part) and 914 in D.D. 107, Kam Tin, Yuen Long, New Territories

Appendix I

Drainage Proposal



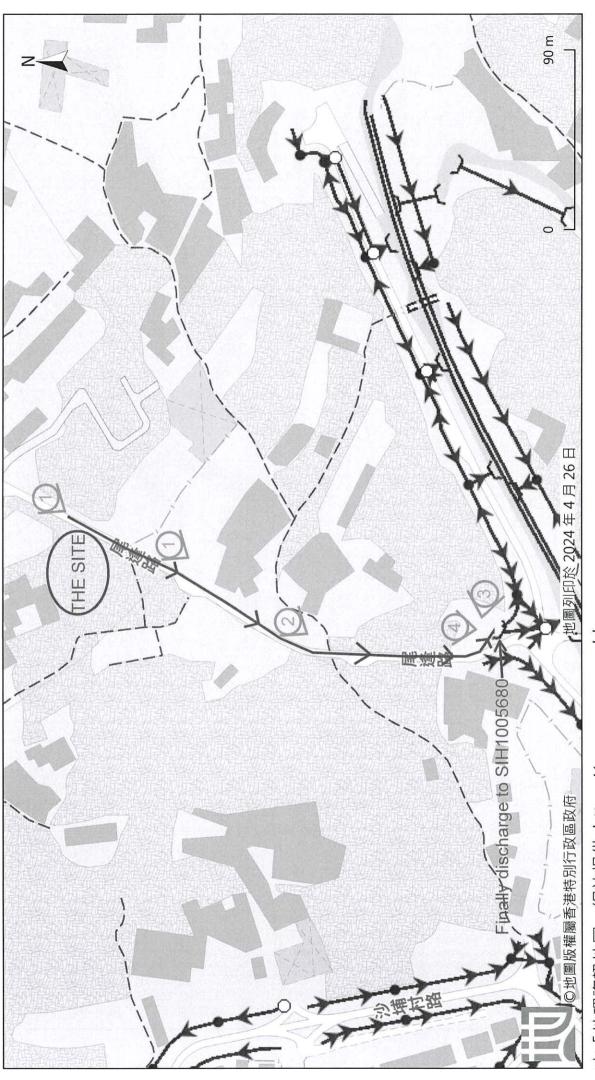








前往地圖: https://www.map.gov.hk/gm/geo:22.4539,114.0575?z=2257



由「地理資訊地圖」網站提供: https://www.map.gov.hk

注意:使用此地圖受「地理資訊地圖」的使用條款及條件以及知識產權告示約束。



Photo 2



Photo 1



Photo 3

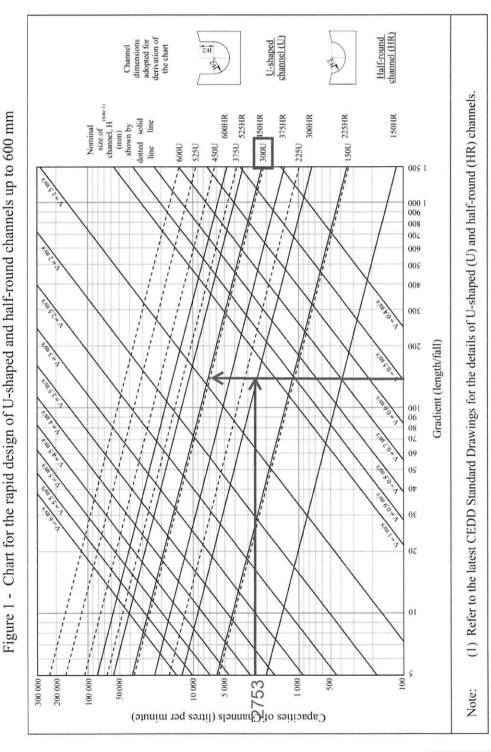
THE SITE, Area = 509 m^2 (C = 0.95)) Calculation of Design Runoff of the Proposed Development, For the design of drains of northern and eastern side of the site, Catchment Area 1 + The Site ΣΟ $= \Sigma 0.278 \, \text{C i A}$ = 509 m^2 = 0.000509 km^2 $= 0.14465 \text{ L/ H}^{0.2} \text{A}^{0.1}$ $= 0.14465*10/1^{0.2}*509^{0.1}$ = 0.776min (50 yrs return period, Table 3a, Corrigendum 2024, $= 1.111*a/(t+b)^{c}$ $= 1.111*505.5/(0.776+3.29)^{0.355}$ SDM) and (11.1% increase due to climate change) = 341.3= 0.278*0.95*341.3*0.000509 Therefore, = 0.0459m³/sec = 2753lit/min

Provide 300UC (1:150) is OK

Geotechnical Engineering Office, Civil Engineering and Development Department The Government of the Hong Kong Special Administrative Region

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





Equation
White
Colebrook-
by
Pipes
dia.
0mm
30
eck,
Ch

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

where:

			(Table14, from DSD SDM 2018, upvc pipe)		
mean velocity (m/s)	m/s2 gravitational acceleration (m/s2)	m internal pipe diameter (m)	m hydraulic pipeline roughness (m)	m2/s kinematic viscosity of fluid (m2/s)	hydraulic gradient
	9.81	0.3	0.000003	1.14E-06	0.01
Ш	П	Н	П	Н	П
>	ы	D	ks	Λ	S

Therefore, design V of pipe capacity

(0.8 factor for sedimentation)

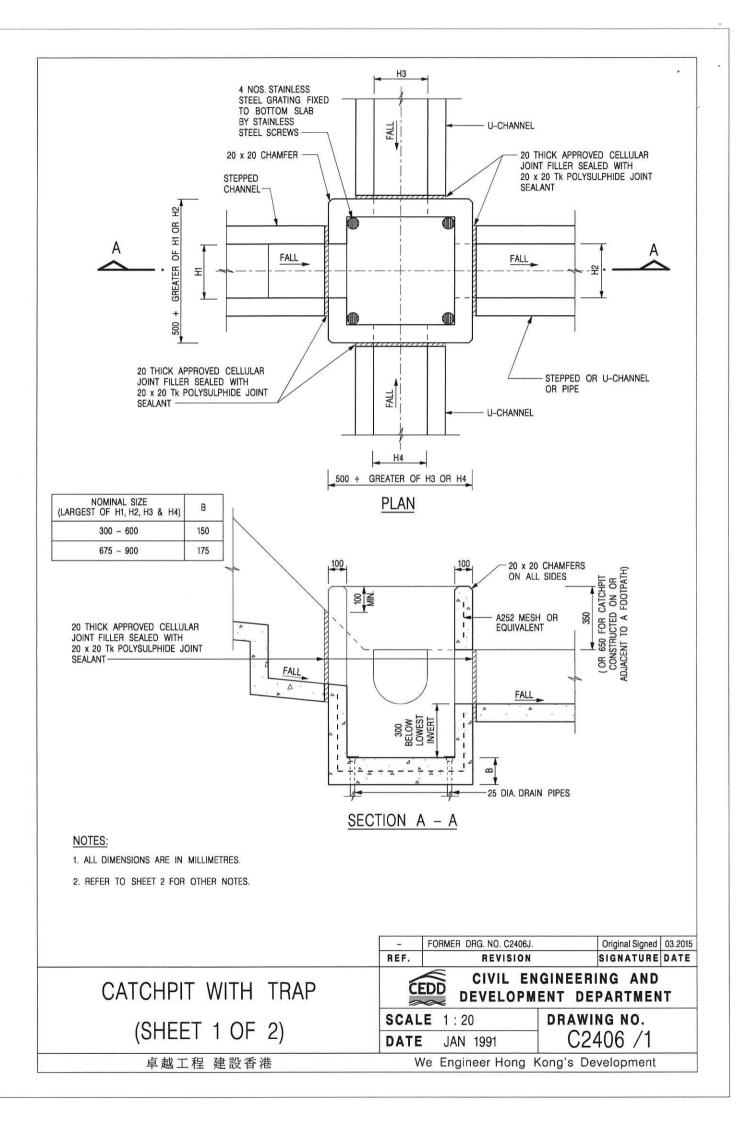
s/m

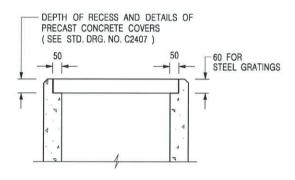
2.1236

П

m3/s lit/min lit/min Q= 0.8VA = 0.120 = 7205 > 2753

0K





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.
- UNLESS REQUESTED BY THE MAINTENANCE PARTY AND AS DIRECTED BY THE ENGINEER, CATCHPIT WITH TRAP IS NORMALLY NOT PREFERRED DUE TO PONDING PROBLEM.
- 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 /2) 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 'J' ON STD. DRG. NO. C2405 /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.
- 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 STAGERED SHALL BE PROVIDED. THICKNESS OF CATCHPIT WALL FOR INSTALLATION OF STEP IRONS SHALL BE INCREASED TO 150 mm.
- FOR RETROFITTING AN EXISTING CATCHPIT WITH STEEL GRATING, SEE DETAIL 'G' ON STD. DRG. NO. C2405 /4.
- SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

REF.	REVISION	SIGNATURE	DATE
-	FORMER DRG. NO. C2406J.	Original Signed	03.2015
Α	MINOR AMENDMENT.	Original Signed	04.2016

CATCHPIT WITH TRAP (SHEET 2 OF 2)



CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

DATE JAN 1991

C2406 /2A

卓越工程 建設香港

We Engineer Hong Kong's Development

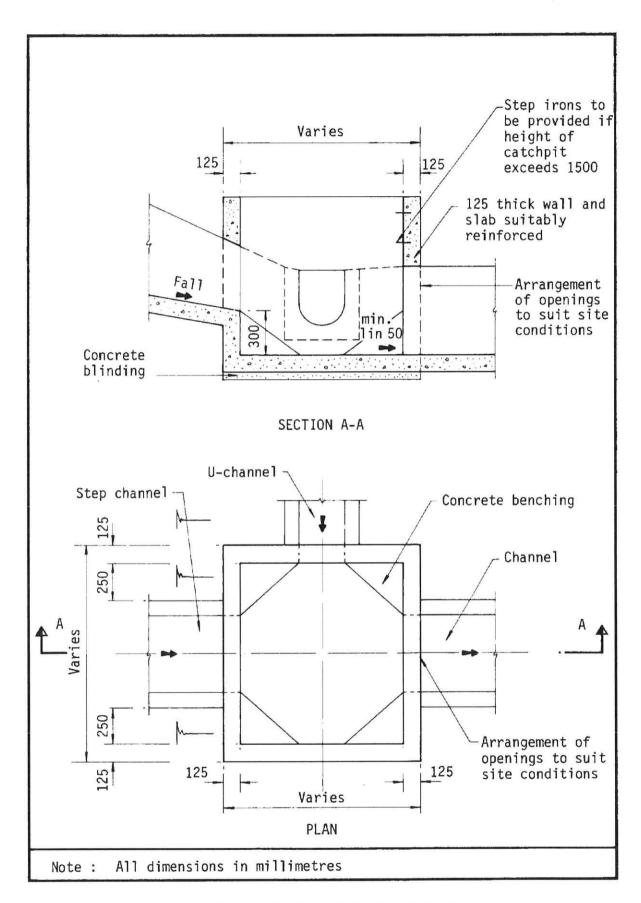


Figure 8.10 - Typical Details of Catchpits

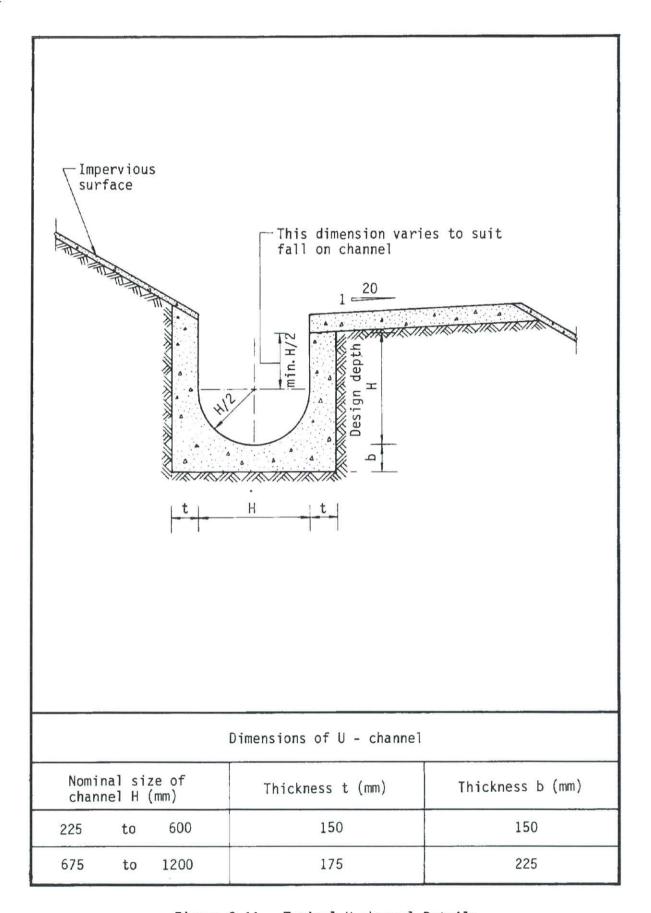


Figure 8.11 - Typical U-channel Details

Proposed Temporary Warehouse (Excluding Dangerous Goods Godown)
and Associated Filling of Land for a Period of 3 Years in "Agriculture" Zone,
Lots 913 RP (Part) and 914 in D.D. 107, Kam Tin, Yuen Long, New Territories

Appendix II

Fire Service Installations Proposal

STRUCTURE	USE	COVERED	GROSS FLOOR AREA
81	WAREHOUSE (EXCLUDING D.G.G.)	178 m² (ABOUT)	178 m² (ABOUT)
82	WAREHOUSE (EXCLUDING D.G.G.) AND COVERED L/UL AREA	220 m² (ABOUT)	220 m² (ABOUT)
	TOTAL	398 m² (ABOUT)	398 m² (ABOUT)
BONAG	PANOGOD SCOOD SI DOBONACI DO CO		

(ABOUT) (ABOUT) (ABOUT)

. 509 m² . 398 m² . 111 m²

DEVELOPMENT PARAMETERS APPLICATION SITE AREA COVERED AREA UNCOVERED AREA (ABOUT)

0.78

PLOT RATIO SITE COVERAGE

(ABOUT) (ABOUT)

8.23 m

BUILDING HEIGHT NO. OF STOREY

2 NOT APPLICABLE 398 m² (AB 398 m² (AB

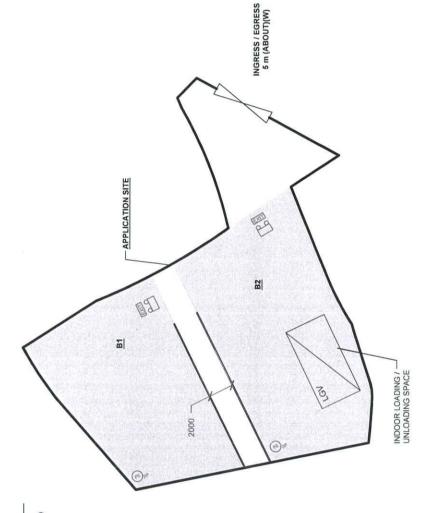
NO. OF STRUCTURE DOMESTIC GFA NON-DOMESTIC GFA TOTAL GFA

8.23 m (ABOUT)(1-STOREY) 8.23 m (ABOUT)(1-STOREY)

BUILDING

LOADING/UNLOADING PROVISION

NO. OF LIGHT GOODS VEHICLE PARKING SPACE : 1
DIMENSION OF LOADING/UNLOADING SPACE : 7m (L) X 3.5m (W)



FIRE SERVICE INSTALLATIONS

EMERGENCY LIGHT EXIT SIGN

4 KG DRY POWDER TYPE FIRE EXTINGUISHER

FS NOTES:

- 1) SUFFICIENT EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH BS2286-12016. BS EN 1838-2013 AND THE FSD CIRCULAR LETTER NO. 4/2021.
- SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS\$286-1:2016 AND THE FSD.CIRCULAR LETTER \$/2008. 5)
- PORTABLE HAND-OPERATED APPROVED APPLIANCE SHALL BE PROVIDED AS REQUIRED BY OCCUPANCY. 3)
- ACCESS IS PROVIDED FOR EMERGENCY VEHICLE TO REACH 30m OF ALL PART OF STRUCTURES. 4

	20.6.2025	DATE	DATE		VER
1:300 @ A4	DRAWN BY MN	CHECKED BY	APPROVED 8Y	OMG. TITLE FSIS PROPOSAL	DWG NO
				(cov)	

R-RICHES IPLANNING LIMITED

PROPOSED TEMPORARY
WAREHOUSE (EXCLUDING
DANGEROUS GODOWN)
WITH ANCILLARY FACILITIES
AND ASSOCIATED FILLING OF
LAND FOR A PERIOD OF 3
YEARS

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

		DATE	20.6.2025	DATE
ENALIONES	SCALE 1:300 @ A4	DIRAWA BY	MN	CHECKED BY

LOADING / UNLOADING SPACE (LO

APPLICATION SITE

LEGEND

STRUCTURE

		VER.
DATE	AL	
APPROVED 8V	OWG. TITLE FSIS PROPOSAL	APPENDIX II

NGRESS / EGRESS