

DEVELOPMENT PARAMETERS OF THE APPLICATION SITE

: 1,209m² (ABOUT) : 435.5m² (ABOUT) APPLICATION SITE AREA COVERED AREA UNCOVERED AREA : 773.5m2 (ABOUT)

: 0.4 (ABOUT) PLOT RATIO : 36% (ABOUT) SITE COVERAGE

NO. OF STRUCTURE DOMESTIC GEA NON-DOMESTIC GFA BUILDING HEIGHT

: NOT APPLICABLE : 511.5m2 (ABOUT) : 3m - 7.2m (ABOUT)

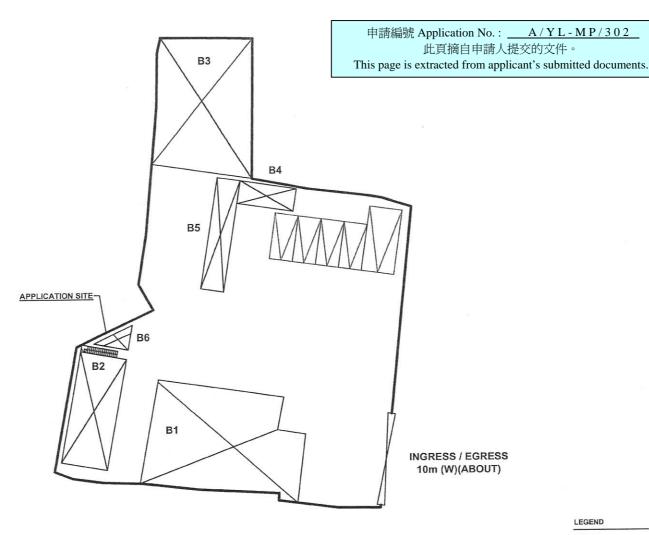
NO. OF STOREY

BUILDING HEIGHT COVERED AREA GFA STRUCTURE USE 173.5m2 (ABOUT) 7.2m (ABOUT)(1-STOREY) 173.5m2 (ABOUT) SHOP AND SERVICES 122m² (ABOUT) 7.2m (ABOUT)(2-STOREY) SHOP AND SERVICES (G/F) & SITE OFFICE (1/F) 61m2 (ABOUT) B2 151m2 (ABOUT) 5.5m (ABOUT)(1-STOREY) 151m2 (ABOUT) SHOP AND SERVICES **B3** 15m2 (ABOUT) 30m2 (ABOUT) 6m (ABOUT)(2-STOREY) TOILET (G/F) & STORAGE OF GOODS (1/F) B4 30m2 (ABOUT) 30m2 (ABOUT) 3m (ABOUT)(1-STOREY) B5 STORAGE OF GOODS 5m² (ABOUT) 3m (ABOUT)(1-STOREY) FIRE SERVICE WATER TANK AND CONTROL PANEL 5m2 (ABOUT) B6

435.5m2 (ABOUT)

511.5m2 (ABOUT)





Drawing No.	Ver.			
P04	01			
Project				

TEMPORARY SHOP AND SERVICES FOR A PERIOD OF 5 YEARS

VARIOUS LOTS IN D.D. 104 AND **ADJOINING** GOVERNMENT LAND, CASTLE PEAK ROAD - MAI PO, MAI PO, YUEN LONG, NEW TERRITORIES

LEGEND

APPLICATION SITE **ENCLOSED STRUCTURE** CANOPY

PARKING SPACE

Drawing Title LAYOUT	Drawing Title LAYOUT PLAN				
Scale of A4 1:500					
Drawn	Date 23 11 202				

PARKING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE : 4

: 2.5m (W) X 5m (L) DIMENSION OF PARKING SPACE

NO. OF L/ULG SPACE FOR LGV

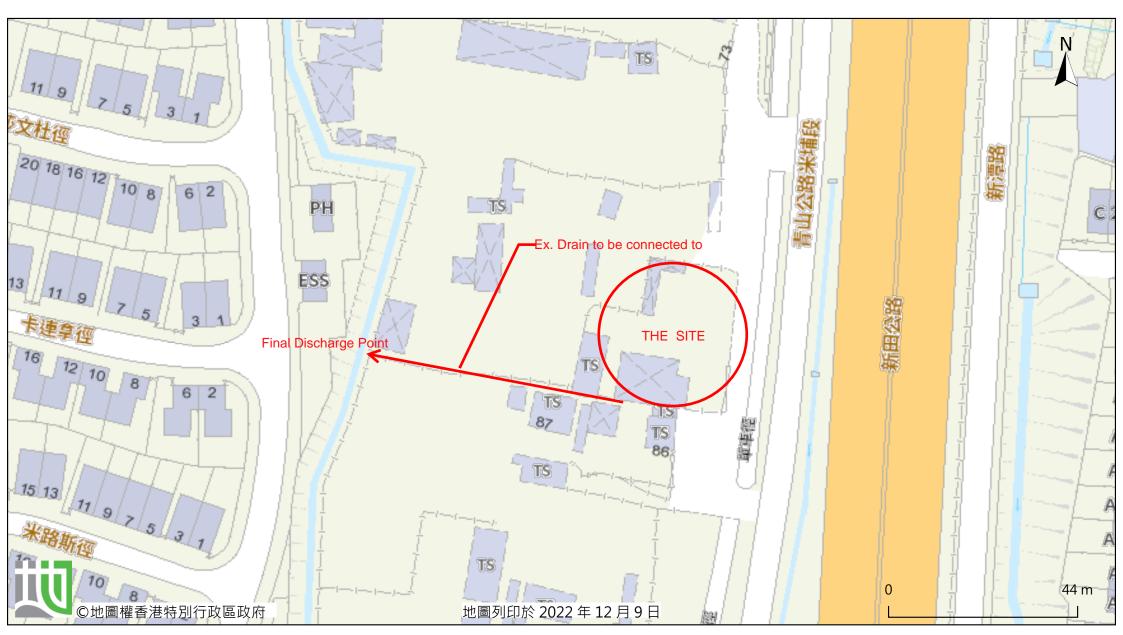
DIMENSION OF PARKING SPACE

: 3.5m (W) X 7m (L)



前往地圖: https://www.map.gov.hk/gm/geo:22.4832,114.0577?z=1128





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。

Company: 正宏工程顧問公司 CHING WAN ENGINEERING CONSULTANTS COMPANY

Project: Temporary Shop and Services (Metalware Retail Shop) for a Period of 3 Years

at Lots 2907 S.C RP, 2908 RP (Part), 2910 (Part) and 2911 RP (Part) in D.D. 104 and

adjoining Government Land, Castle Peak Road - Mai Po, Mai Po, Yuen Long

27-May-24 Date:

Calculation for Design of Channels:

Catchment Zone 1

800 m^2 Area

0.0008 km^2

Peak runoff in m³/s 0.95 x250 mm/hr x 0.0008 0.278X km^2

0.05282 m³/s = 3169 liter/min

According to (Figure 8.7 - Chart for the Rapid Design of Channels), For gradient 1:150, 300UC will be suitable.

Catchment Zone 2

1500 m^2 Area 0.0015

km^2

Peak runoff in m³/s 0.278 0.95 x250 mm/hr x 0.0015 X km^2

> 0.09904 m³/s = = 5942 liter/min

According to (Figure 8.7 - Chart for the Rapid Design of Channels), For gradient 1:150, 300UC will be suitable.

Catchment Zone 1+2

Area =
$$2300 \text{ m}^2$$

= 0.0023 km^2

Check 300 dia uPVC pipeline:

Peak runoff of catchment area:

9111 liter/min = $0.15186 \text{ m}^3/\text{s}$

Check 300 dia. Pipe by Colebrook-White Equation

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

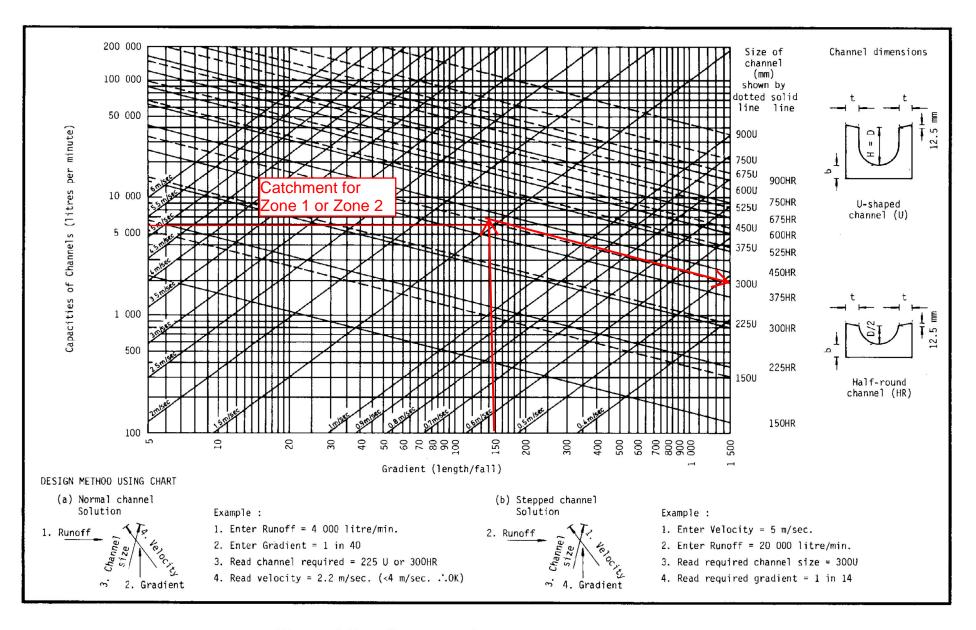
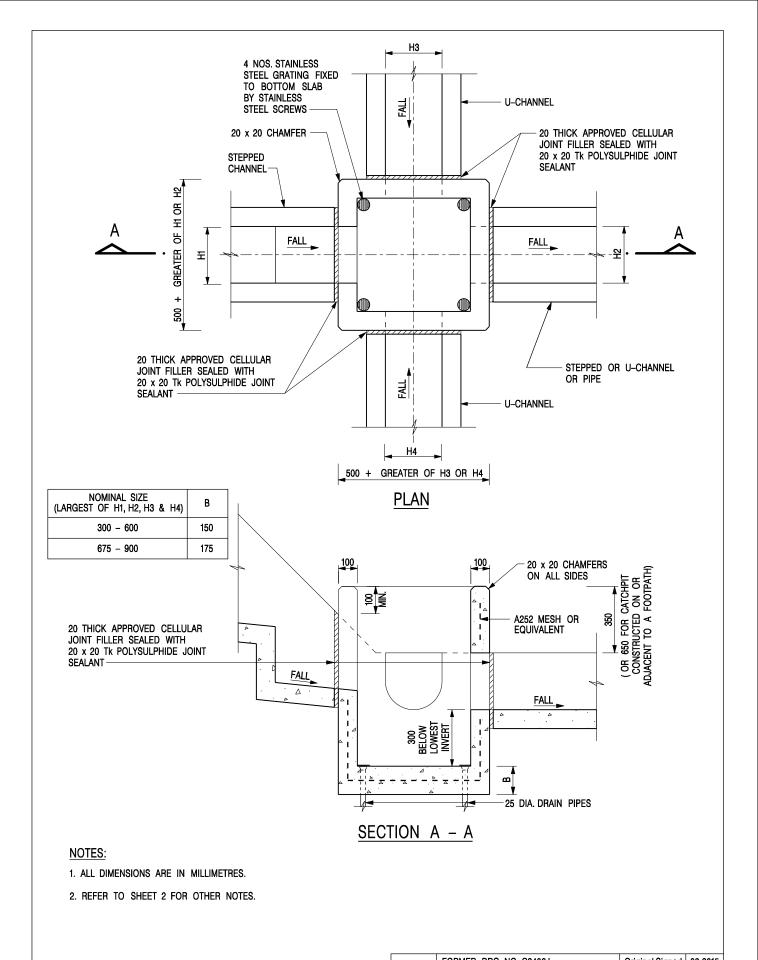
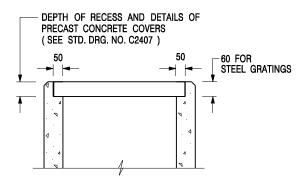


Figure 8.7 - Chart for the Rapid Design of Channels



	-	FORMER DRG. NO. C2406J.	Original Signed	03.2015	
	REF.	REVISION		SIGNATURE	DATE
CATCHPIT WITH TRAP	CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT				
(CHEET 1 OF 0)	SCAL	.E 1 : 20	DRAWII		
(SHEET 1 OF 2)		JAN 1991	C2406 /1		
卓越工程 建設香港	V	Ve Engineer Hong I	(ong's De	velopment	



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.
- 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.
- 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 ℃ 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.
- SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

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CATCHPIT WITH TRAP (SHEET 2 OF 2)

 SCALE 1:20
 DRAWING NO.

 DATE JAN 1991
 C2406 /2

卓越工程 建設香港 We Engineer Hong Kong's Development

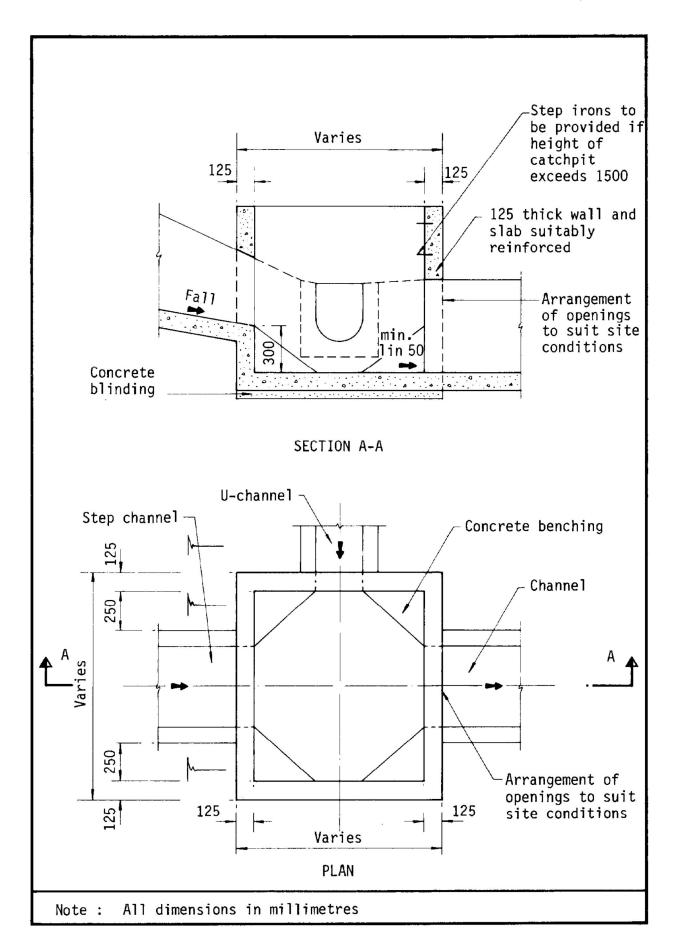


Figure 8.10 - Typical Details of Catchpits

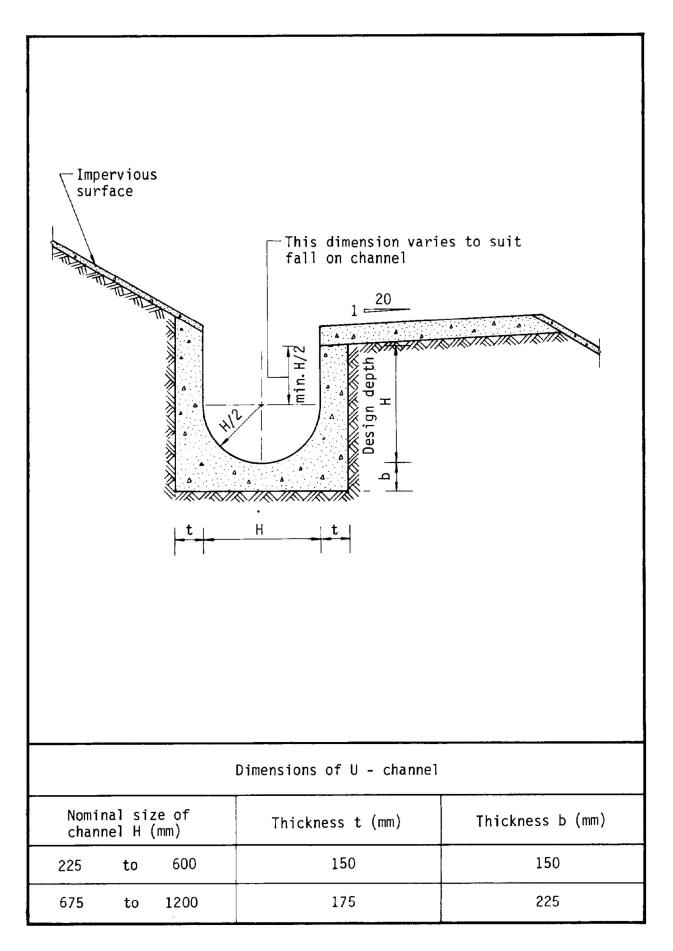


Figure 8.11 - Typical U-channel Details

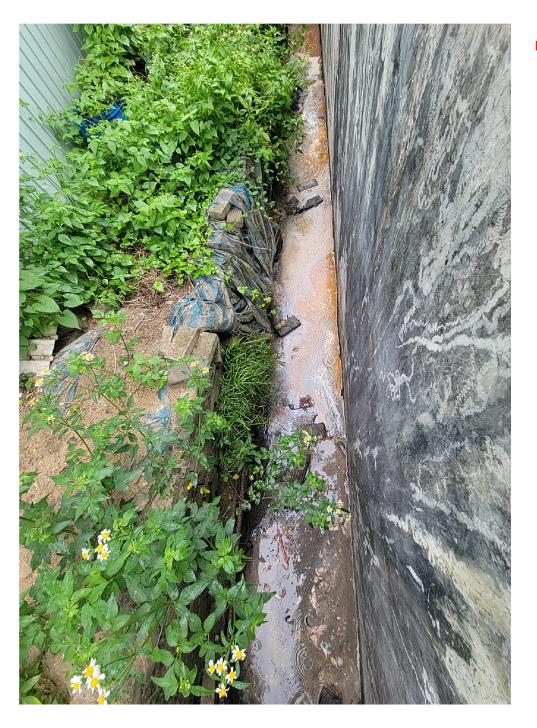


Photo 2 Photo 3



