

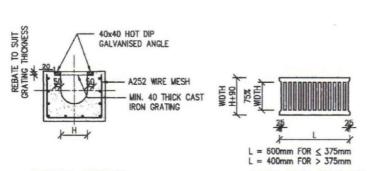
FOR PRECAST CONCRETE COVER

STANDARD CATCHPIT DETAILS
(ACCORDING TO CEDD'S DRAWING NO. C24051 & 24061)

(2) SIZE - DEPTH : D < 750 WIDTH : W > 3B LENGTH : L = $4.8D^{0.67}$ $h^{0.5}$ $F^{-0.5}$ > 4

- (3) GRADED STONE FILTER SHALL BE CRUSHER RUN GRANITE AGGREGATE.
- (4) THE SANDTRAP SHALL BE REGULARLY DESILTED TO AVOID BLOCKAGE.

THIS DIMENSION VARIES TO SLIT FALL ON CHANNEL

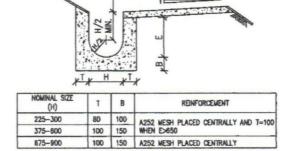


TYPICAL SECTION CAST IRON GRATING (DIMENSIONS ARE FOR GUIDANCE ONLY, CONTRACTOR MAY SUBMIT EQUIVALENT TYPE)

U-CHANNEL WITH CAST IRON GRATING

(UP TO H OF 525)

(ACCORDING TO CEDD'S DRAWING NO. C2412E)



TYPICAL U-CHANNEL DETAILS

(ACCORDING TO CEDD'S DRAWING NO. C2410G)

N.T.S.

NOTES FOR U-CHANNEL

IMPERVIOUS SURFACE

- THE COVER OF PROPOSED U-CHANNEL SHALL BE FLUSH WITH THE PATH SURFACE AND ANY HOLE IN SUCH COVER SHALL NOT EXCEED 20mm IN ONE DIMENSION.
- 2. CAST IRON GRATINGS TO BE USED SHALL BE COMPLIANCE WITH BS 437:2008.

卓 弘 測 量 服 務 公 司 CHUO WANG SURVEY SERVICES COMPAN 1/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street	LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale	Figure No. STDP-02	
Luen Wo Hui, Fanling, N.T. Telephone: 26831600 Mobile: 66862836 Fax: 2683138 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com	Figure Title	Date 08-05-2024	Revision	

Hydraulic Assessment of the Storm Drain Pipes for Lots 783, 785 S.A and 785 RP in D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long

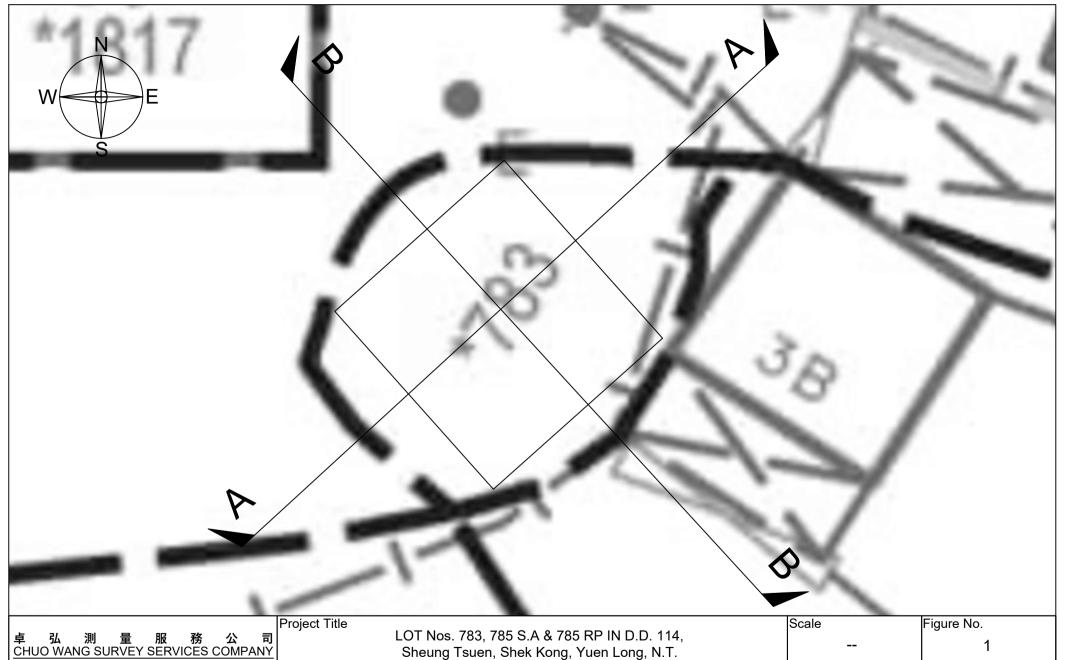
Locati	ons		0		Catch	ment Area						Char	nel charac	ter				Hydraulic	parameter	Type of catchment	- I	Peak	Full bore	Full bore
		Sub- Catchment Reference	Impe	ermeable	Per	meable	1	Total	channel		channel size	9	inve	rt level	inve	rt level	channel	ks=3	.3mm	area	50	Runoff	Capacity	Velocity
			Sub- catchment	Accumulative Area	Sub- catchment	Accumulative Area	Sub- catchment	Accumulative Area	shape	width	height	length	US	DS	US	DS	slope	cross area	Equi. D	Urban /Rural (u/r)	yr			
			(m ²)	(m ²)	(m ²)	(m ²)	(m ²)	(m²)		(mm)	(mm)	(m)	(mPD)	(mPD)	(mPD)	(mPD)		(m ²)	(m)		(mm/h)	(m ³ /s)	(m ³ /s)	(m/s)
Lot 783		1	49	49	0	0	49	49	UC Single	225	225	-	-	-	12	-	0.01000	0.05	0.31	u	343.74	0.001	0.058	1.278
Lot 785RP		2	48	48	0	0	48	48	UC Single	225	225			-	F7#5	×:	0.01000	0.05	0.31	u	343.74	0.001	0.058	1.278
Lot 785SA	3	3	36	36	0	0	36	36	UC Single	225	225	-	•	-	-	-	0.01000	0.05	0.31	u	343.74	0.001	0.058	1.278
Existing 350 U-Channel	- :	Total	133	133	0	0	133	133	UC Single	350	600		500	*	191		0.01000	0.15	0.49	u	343.74	0.003	0.262	1.713

Abbreviations: CC - Circular Pipe

OC - Open Channel UC - U-Channel

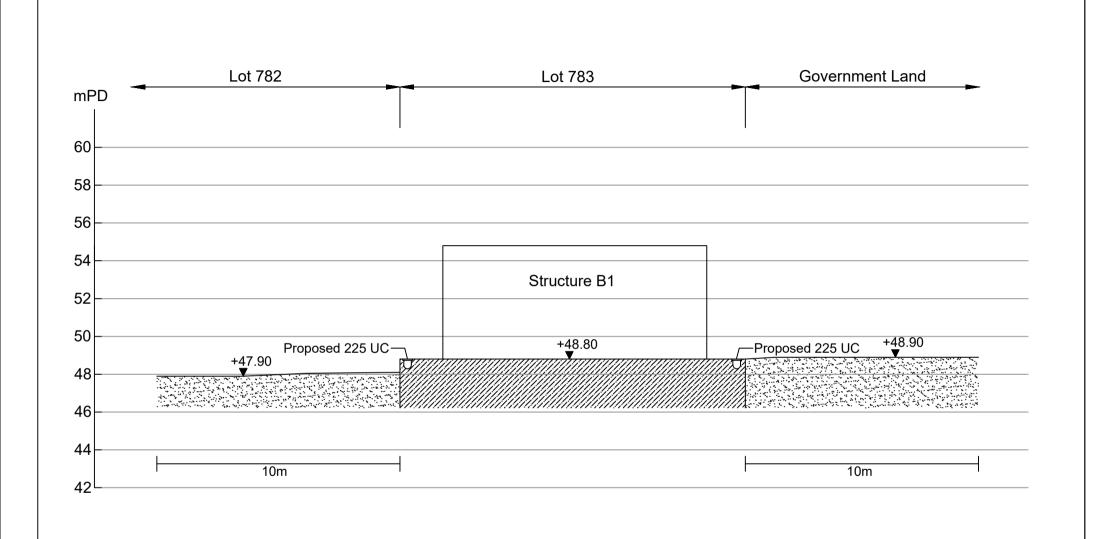
Notes: Rational Method is adopted for the peak runoff estimate i.e. Qp = 0.278 C i A

The time of entry (te) has been calculated by using the Bransby-William's Equation. Colebrook White's equation was used for hydraulic analysis of the drainage system. Roughness coefficient (ks) at 3.3mm was assumed in the assessment.



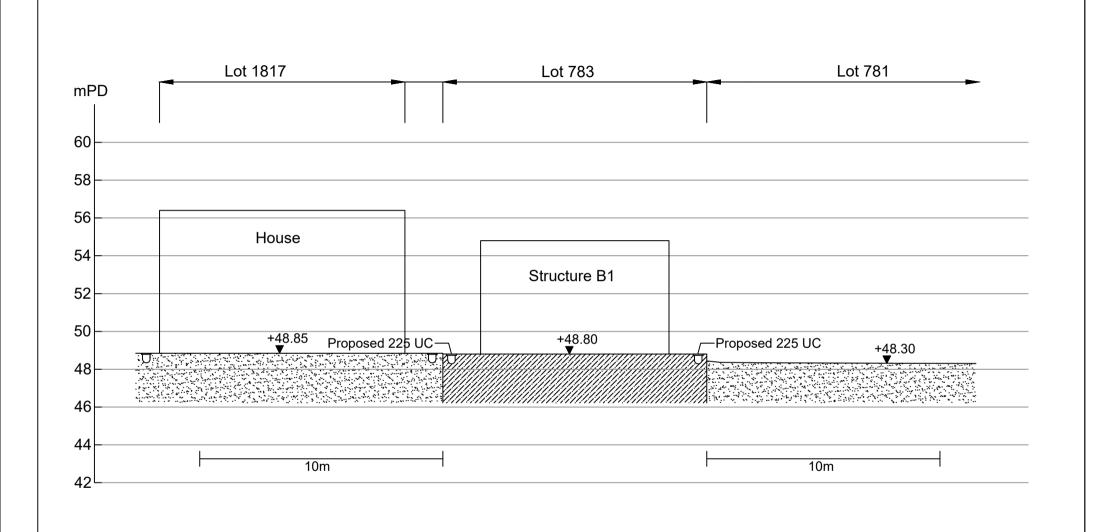
I/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380
E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

Project Title	LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale	Figure No.
Figure Title	SECTION A	Date 08-05-2024	Revision A



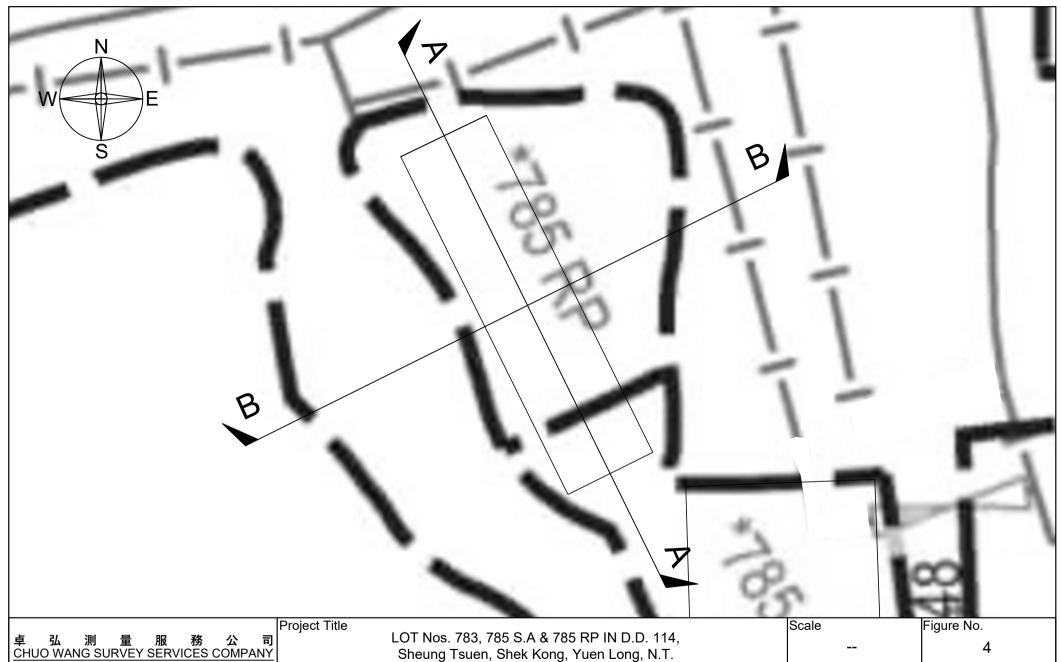
I/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

司丫	Sheurig Tsueri, Shek Korig, Yueri Lorig, N. F.	Scale	Figure No.
30, 80	Figure Title	Date	Revision
m	SECTION A-A	08-05-2024	Α



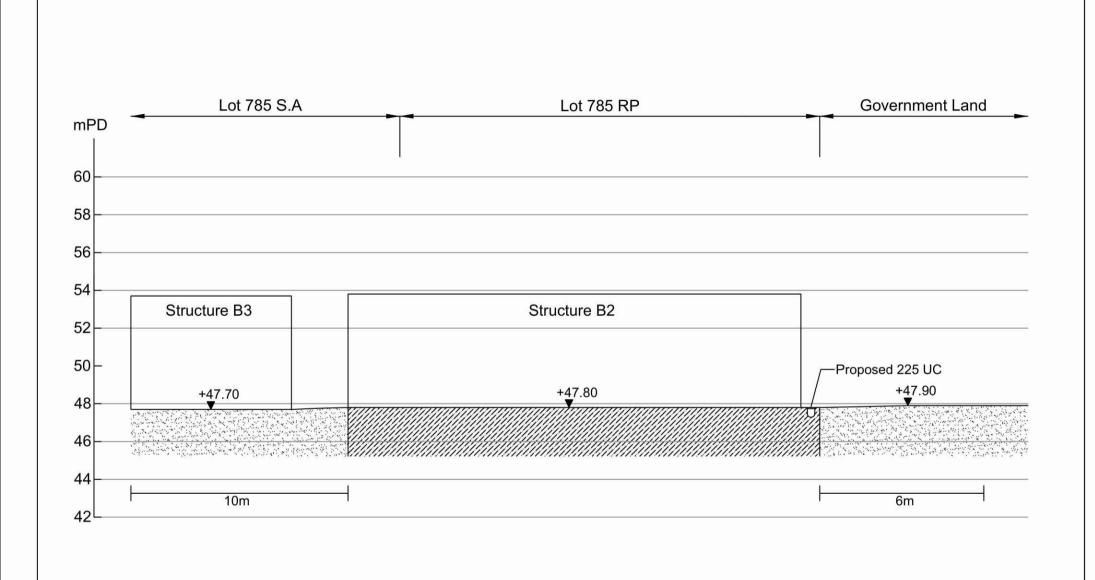
I/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

司	Project Title LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale	Figure No.
Y			3
ετ, 80 om	SECTION A-B	Date 08-05-2024	Revision A



1/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

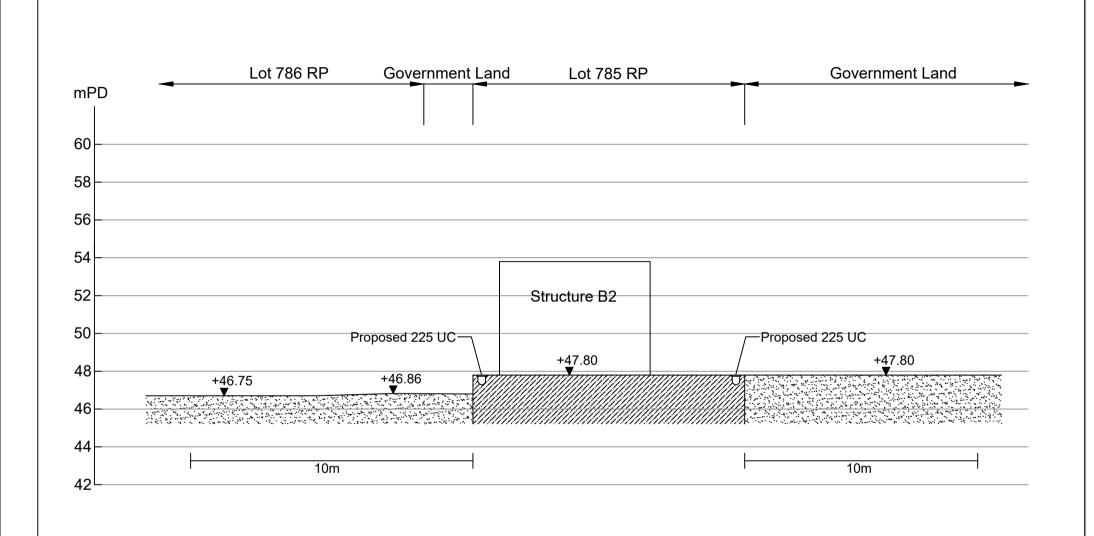
•	5 S.A & 785 RP IN D.D. 114, shek Kong, Yuen Long, N.T.	Scale	Figure No. 4
Figure Title	SECTION B	Date 08-05-2024	Revision B



卓	弘	測	量	服	務	公	司
CHL	JO WA	NG SL	JRVEY	SER\	/ICES	COMP	ANY

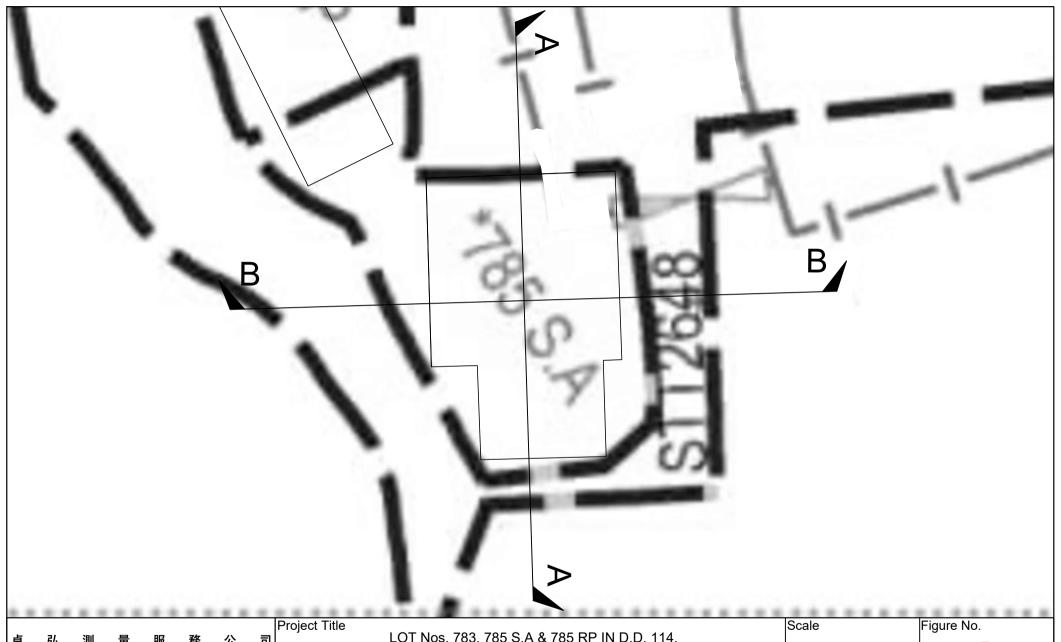
I/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380
E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

1/1	Project Title LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale 	Figure No. 5
et, 80 om	SECTION B-A	Date 08-05-2024	Revision B



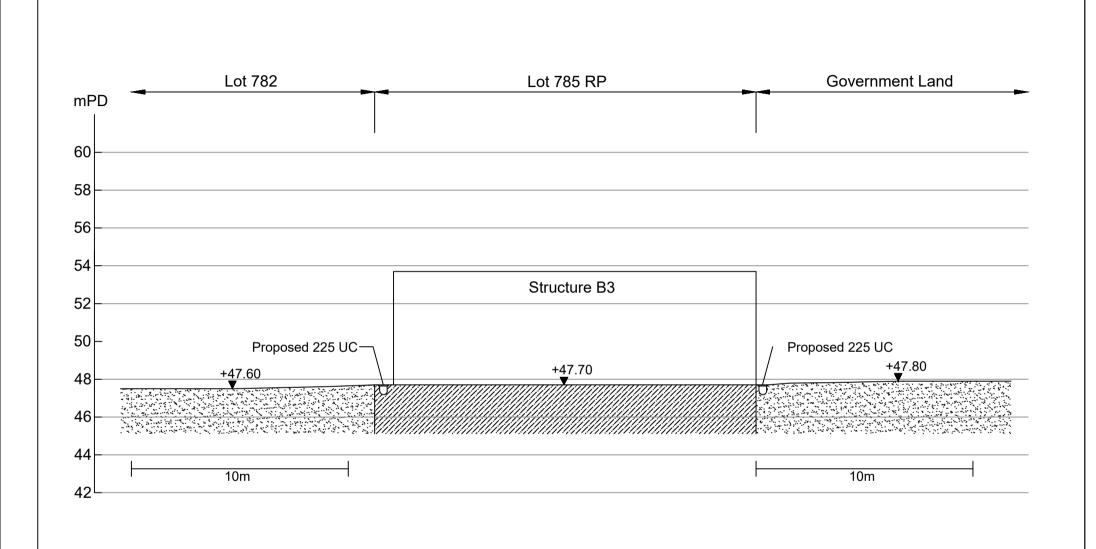
I/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

		Scale	Figure No.
1	LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114,		6
<u>Y</u>	Sheung Tsuen, Shek Kong, Yuen Long, N.T.		
ι,	Figure Title	Date	Revision
0 m	SECTION B-B	08-05-2024	В



1/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T.
Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

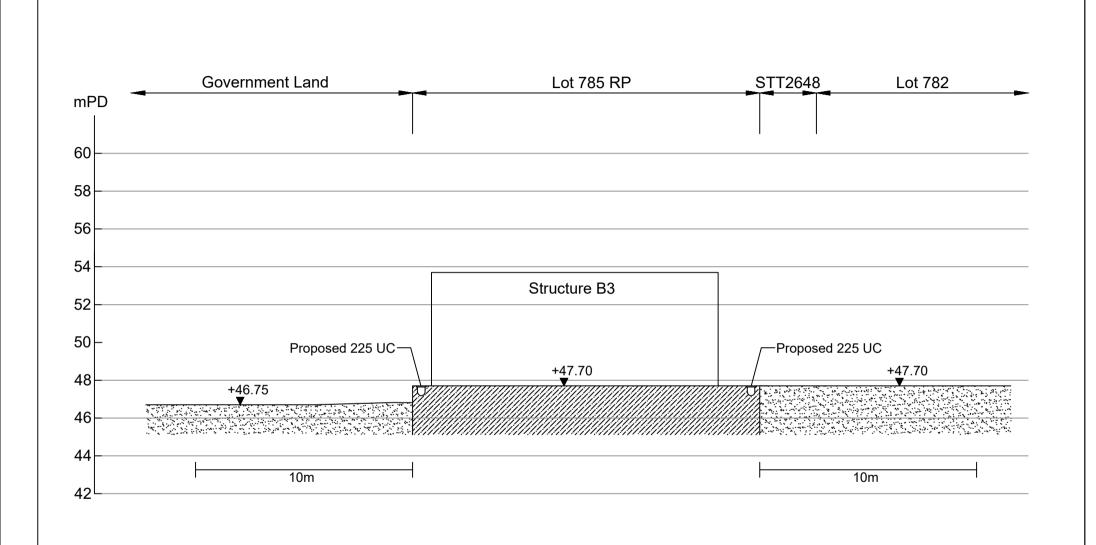
Project Title LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale	Figure No.
Figure Title SECTION C	Date 08-05-2024	Revision C



卓	弘	測	量	服	務	公	司
CHL	JO WA	NG SL	JRVEY	SERV	ICES	COMPA	٩NY

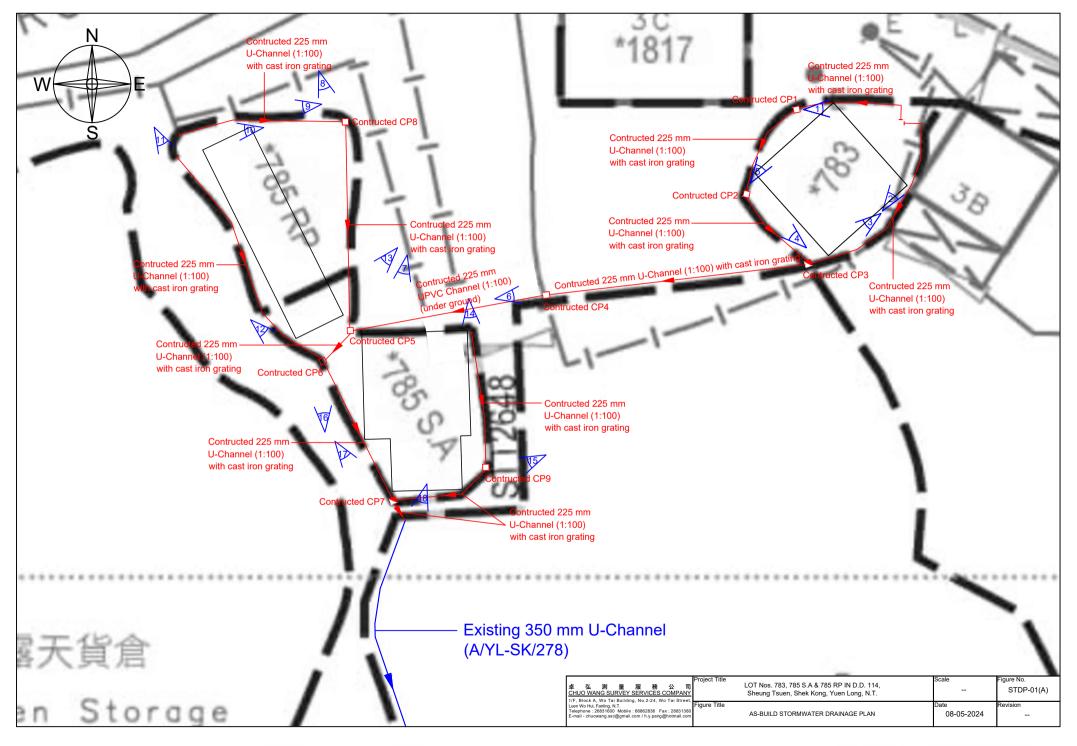
1/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T. Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

司丫	Project Title LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale 	Figure No. 8
30	SECTION C-A	Date	Revision
om		08-05-2024	C



1/F, Block A, Wo Tai Building, No.2-24, Wo Tai Street, Luen Wo Hui, Fanling, N.T. Telephone: 26831600 Mobile: 66862836 Fax: 26831380 E-mail - chuowang.ssc@gmail.com / h.y.pang@hotmail.com

刊	Project Title LOT Nos. 783, 785 S.A & 785 RP IN D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long, N.T.	Scale	Figure No.
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et, 80 om	SECTION C-B	Date 08-05-2024	Revision C





Hydraulic Assessment of the Stormwater Drainage for Lots 782, 783, 785 S.A and 785 RP in D.D. 114, Sheung Tsuen, Yuen Long.

Location	Locations				ca	tchment area				cha	unnel chara	cter		hydraulid	parameter	type of				
		Sub- catchment reference	imp	permeable	1	permeable		total	W2 95		channel siz	e			3.3mm	catchment area	i 50 yr	Peak Runoff	Full bore Capacity	Full bore Velocity
			sub- catchment (m²)	accumlative area (m²)		accumlative area (m²)		accumlative area (m²)	channel shape	width (mm)	height (mm)	length (m)	channel slope	cross area (m²)	equi. D (m)	urban/rural	(mm/h)	(m³/s)	(m³/s)	(m/s)
Lot 783	138	1	49	49	0	0	49	49	uc	225	225	= =	0.01000	0.05	0.31	u	343.74	0.001	0.058	1.278
Lot 785RP	-	2	48	48	0	0	48	48	uc	225	225		0.01000	0.05	0.31	u	343.74	0.001	0.058	1.278
Lot 785SA	4.5	3	36	36	0	0	36	36	uc	225	225	-	0.01000	0.05	0.31	u	343.74	0.001	0.058	1.278
Lot 782	:	4	1464.5	1464.5	0	0	1464.5	1464.5	uc	350	600	·	0.01000	0.15	0.49	u	343.74	0.039	0.262	1.713
Existing 350 U-Channel		Total	1597.5	1597.5	0	0	1597.5	1597.5	uc	350	600	*	0.01000	0.15	0.49	u	343.74	0.042	0.262	1.713

I = Rainfall intensity (50 year storm frequency may be specified) Peak Runoff = 0.278*i/1000/60/60*accumlative area Cross area for 225 u channel = 0.1125*0.225*0.1125*2*pi/2

 $Cross\ area\ for\ 350\ u\ channel\ = (0.6-0.150-0.350/2)*0.350+(0.350/2)*2*pi/2\ \ where\ 125mm\ is\ the\ bottom\ of\ the\ u\ channel\ delivers area for\ 350\ u\ channel\ d$

Equivalent Diameter = 4*Hydraulic Radius

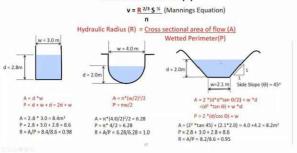
Hydraulic Radius = cross area of u channel / wetted perimeter of u channel

Roughness coefficient (ks) at 3.3mm

The roughness of a pipe is normally specified in either mm or inches and common values range from 0.0015 mm for PVC pipes through to 3.0 mm for rough concrete pipes

Full bore Capacity = Full bore Velocity * cross area
Full Bore Velocity - The Full Bore Velocity is calculated using either the Manning Formula or the Colebrook-White Formula and is based on full bore conditions.

HYDRAULIC RADIUS (R)



The Manning Formula is used for Velocity calculations within the software.

$$V = \frac{1}{n}R^{\frac{2}{3}}S^{\frac{1}{2}}$$

where;

V =Velocity

n = Manning's roughness coefficient (see Pipe Roughness)

R = Hydraulic Radius

S = Hydraulic gradient

The equation is in meter-per-second units but the n values are the same as those specified in the foot-per-second format of the equation (e.g. smooth concrete pipe n=0.012 approximately). The formula is sometimes known as Strickler's formula and 1/n as the Strickler's coefficient.

A concrete pipe with a smooth interior would have a Manning's n of approximately 0.012.

Manning's n may be derived from 1/Strickler coefficient.

規劃署

粉領、上水及元朗東規劃處 新界荃灣青山公路 388 號 中染大度 22 樓 2202 室



Planning Department

Fanling, Shoung Shui & Yuen Long East District Planning Office Unit 2202, 22/F., CDW Building, 388 Castle Peak Road, Tsuen Wan, N.T.

By Post & Fax (2323 3662)

來函檔號 Your Reference:

本零檔號 Our Reference: TPB/A/YL-SK/293

電話號碼

Tel. No. :

3168 4072

傅真機號碼 Fax No.:

3168 4074/3168 4075

R-riches Property Consultants Ltd.

Block D, The Richfield, 236 Kat Hing Wai,

Kam Tin, Yuen Long, New Territories

(Attn.: Orpheus LEE)

19 September 2022

Dear Sir/ Madam,

Submission for Compliance with Approval Condition (e) the Submission of a Fire Service Installation Proposal

Proposed Temporary Shop and Services (Real Estate Agency) for a Period of 5 Years in "Village Type Development" Zone, Lots 783, 785 S.A and 785 RP in D.D. 114, Sheung Tsuen, Shek Kong, Yuen Long

(Application No. A/YL-SK/293)

I refer to your submission dated 18.8.2022 for compliance with the captioned approval condition. The relevant department has been consulted on your submission. Your submission is considered:

Acceptable. The captioned condition <u>has been complied with</u>. Please find detailed departmental comments in *Appendix*.

Acceptable. Since the captioned condition requires both the submission and implementation of the proposal, it has not been fully complied with. Please proceed to implement the accepted proposal for full compliance with the approval condition.

□ Not acceptable. The captioned condition <u>has not been complied with</u>. Please find detailed departmental comments in *Appendix*.

Should you have any queries on the departmental comments, please contact Mr. WONG Ho-yin (Tel: 2733 7737) of the Fire Services Department directly.

Yours faithfully,

Anthony LUK

District Planning Officer/

Fanling, Sheung Shui & Yuen Long East Planning Department . 2 .

<u>c.c.</u> D of FS

(Attn.: Mr. WONG Ho-yin)

Internal CTP/TPB

<u>Appendix</u>

Comments from Director of Fire Services:

The installation /maintenance/ modification/ repair work of fire service installation (FSI) shall be undertaken by a Registered Fire Service Installation Contractor (RFSIC). The RFSIC shall after completion of the installation/maintenance/ modification/ repair work issue to the person on whose instruction the work was undertaken a certificate (FS 251) and forward a copy of the certificate to the Director of Fire Services.

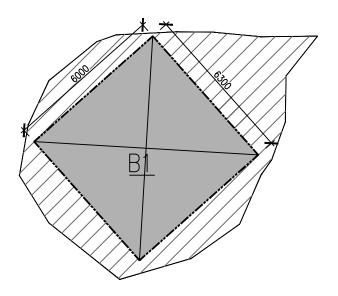
AL/TW

F.S. NOTES:

- 1. ALL F.S. SYSTEM TO BE REMAIN UNCHANGED UNLESS OTHERWISE STATED.
- 2. EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266: PART 1, BS EN 1838.
- 3. EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266: PART 1 AND FSD CIRCULAR LETTER 5/2008.
- 4. 4KG DRY POWDER PORTABLE FIRE EXTINGUISHERS HAS BEEN PROVIDED.

LEGEND:

- 4KG DRY POWDER PORTABLE FIRE EXTINGUISHER
- EXIT EXIT SIGN
- SINGLE FACE AND WITH ARROW POINTING
- EMERGENCY LIGHTING (WALL MOUNT)
- FIRE BLANKET
- THE HATCHED AREAS ARE NOT INCLUDED IN THIS SUBMISSION



LOT 783 BLOCK PLAN (N.T.S.)

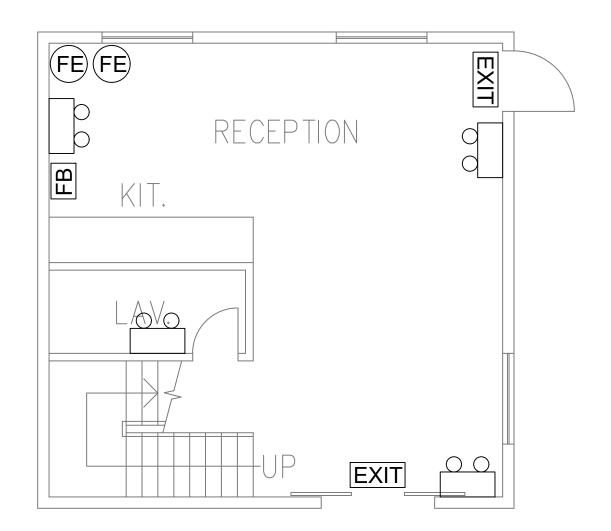


- LOT 783 IN D.D. 114, YUEN LONG, NEW TERRITORIES

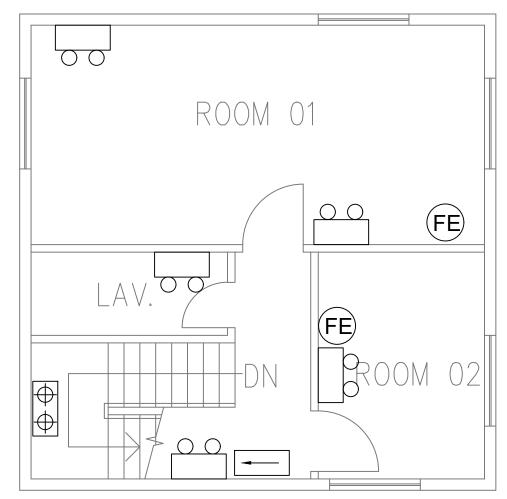
SITE LOCATION PLAN (N.T.S.)

INITIAL SUBMISSION	29/7/2022	
DESCRIPTION	DATE	REV.
CLIENT:		
F.S.I CONTRACTOR :		
FUNG SHING E	ELECTRICA	L
MACHINERY I		· -
TEL: (852) 2245 9939 FAX: (852) 3186 3117	
Address: Workshop No. 62, 9/F	., Sino Industrial	
No. 9 Kai Cheung Roa	ad, Kowloon Bay	, Kowloon
PROJECT:		
RENOVATION WORKS AT LO YUEN LONG. NEW TERRITO		. 114,
TOLIT LOTTO, NEW TENTANT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TITLE:		
F.S. NOTES, LEGEND, L	OCATION PL	₋AN,
LOT 783 BLOCK PLAN		
DRAWN BY:		
VICKY		
CHECKED BY: SAM		
DRAWING NO: FS-01		
DATE: 29/7/2022		
	REVISION:	

N.T.S.



GROUND FLOOR
LAYOUT PLAN (B1)



FIRST FLOOR
LAYOUT PLAN (B1)

INITIAL SUBMISSION	29/7/2022	
DESCRIPTION	DATE	REV.
CLIENT .		

CLIENI:

F.S.I CONTRACTOR

FUNG SHING ELECTRICAL MACHINERY LIMITED

TEL: (852) 2245 9939 FAX: (852) 3186 3117 Address: Workshop No. 62, 9/F., Sino Industrial Plaza, No. 9 Kai Cheung Road, Kowloon Bay, Kowloon

PROJECT :

RENOVATION WORKS AT LOT 783 IN D.D. 114, YUEN LONG, NEW TERRITORIES

TITI F ·

GROUND & FIRST FLOOR LAYOUT PLAN (B1)

DRAWN BY: VICKY
CHECKED BY: SAM

FS-02

DATE: 29/7/2022

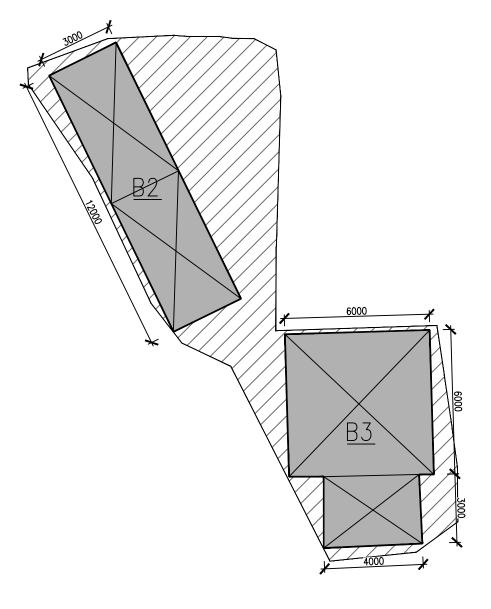
SCALE: REVISION: --

F.S. NOTES:

- 1. ALL F.S. SYSTEM TO BE REMAIN UNCHANGED UNLESS OTHERWISE STATED.
- 2. EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266: PART 1, BS EN 1838.
- 3. EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266: PART 1 AND FSD CIRCULAR LETTER 5/2008.
- 4. 4KG DRY POWDER PORTABLE FIRE EXTINGUISHERS HAS BEEN PROVIDED.

LEGEND:

- F 4KG DRY POWDER PORTABLE FIRE EXTINGUISHER
- EXIT SIGN
- SINGLE FACE AND WITH ARROW POINTING
- EMERGENCY LIGHTING (WALL MOUNT)
- THE HATCHED AREAS ARE NOT INCLUDED IN THIS SUBMISSION



LOT 785 RP(B2) & 785 S.A(B3) BLOCK PLAN (N.T.S.)



114, YUEN LONG, NEW TERRITORIES

SITE LOCATION PLAN (N.T.S.)

INITIAL SUBMISSION	29/7/2022	
DESCRIPTION	DATE	REV.
CLIENT:		

FUNG SHING ELECTRICAL MACHINERY LIMITED

TEL: (852) 2245 9939 FAX: (852) 3186 3117 Address: Workshop No. 62, 9/F., Sino Industrial Plaza, No. 9 Kai Cheung Road, Kowloon Bay, Kowloon

RENOVATION WORKS AT LOT 785 S.A, 785 RP IN D.D. 114, YUEN LONG, NEW TERRITORIES

F.S. NOTES, LEGEND, LOCATION PLAN, LOT 785 R.P (B2) & 785 S.A (B3) BLOCK PLAN

DRAWN BY

VICKY

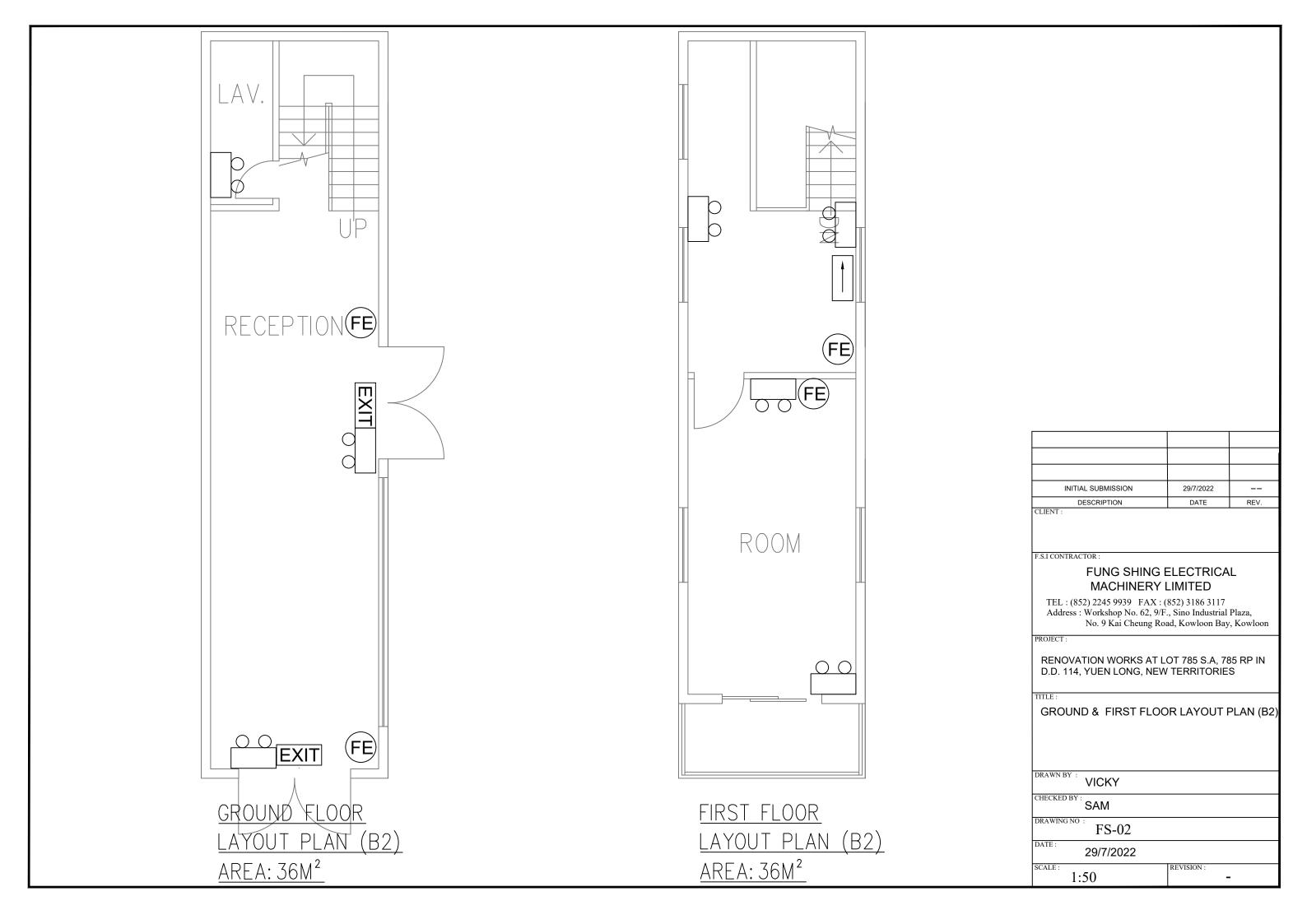
CHECKED BY SAM

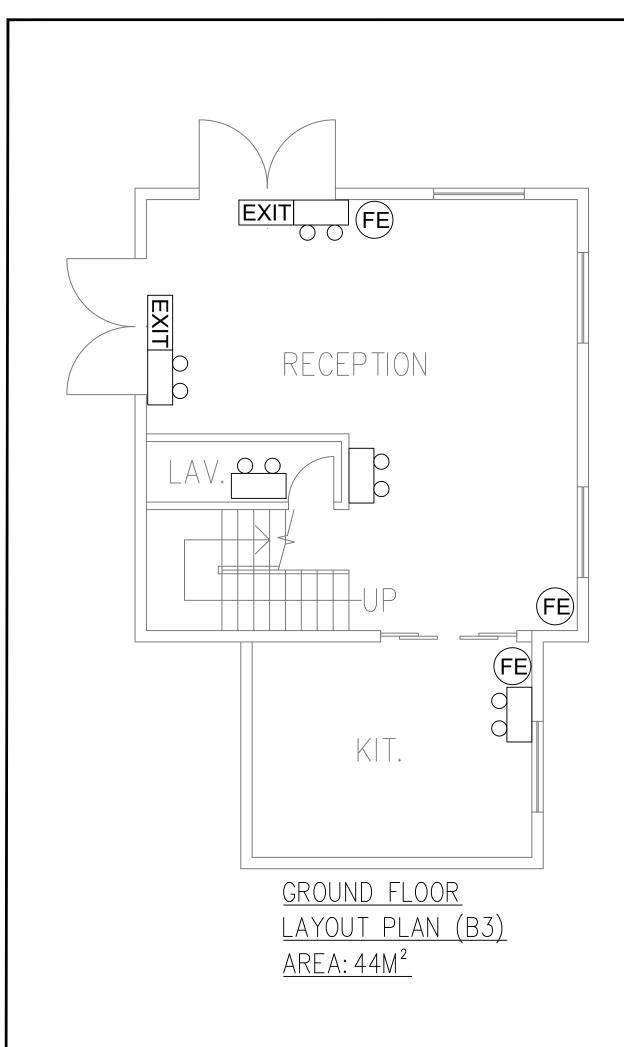
DRAWING NO FS-01

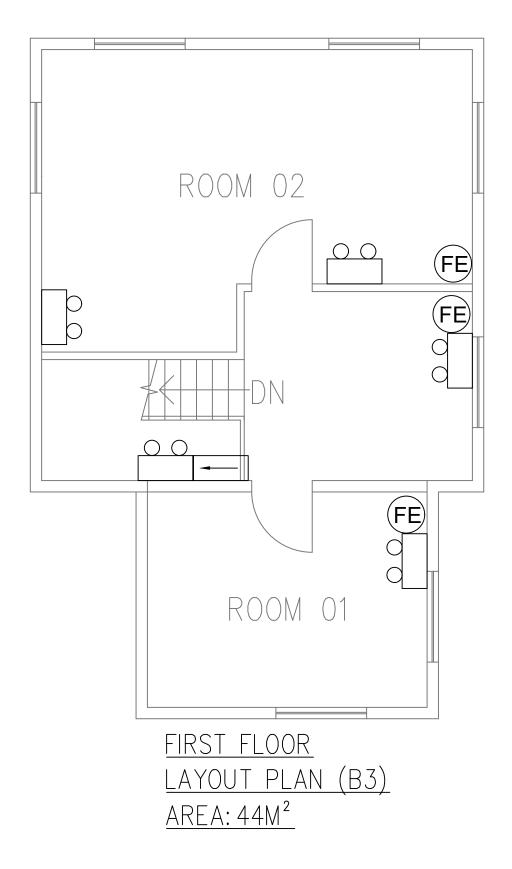
29/7/2022

SCALE : REVISION:

N.T.S.







INITIAL SUBMISSION	29/7/2022	
DESCRIPTION	DATE	REV.

CLIENT :

F.S.I CONTRACTOR

FUNG SHING ELECTRICAL MACHINERY LIMITED

TEL: (852) 2245 9939 FAX: (852) 3186 3117 Address: Workshop No. 62, 9/F., Sino Industrial Plaza, No. 9 Kai Cheung Road, Kowloon Bay, Kowloon

PROJECT

RENOVATION WORKS AT LOT 785 S.A, 785 RP IN D.D. 114, YUEN LONG, NEW TERRITORIES

TITLE :

GROUND & FIRST FLOOR LAYOUT PLAN (B3)

DRAWN BY: VICKY

CHECKED BY: SAM

DRAWING NO : FS-03

DATE: 29/7/2022

SCALE: REVISION: