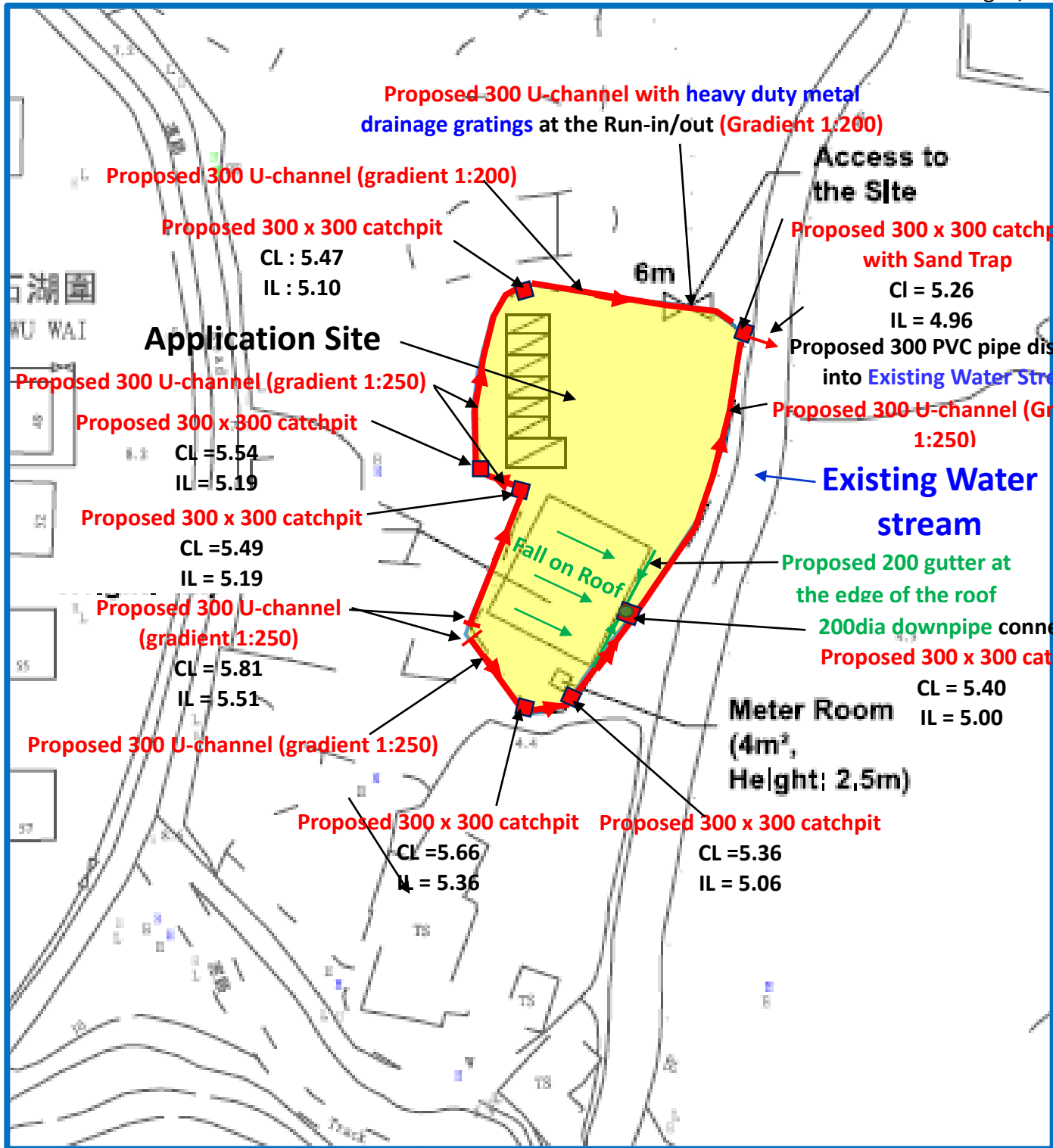


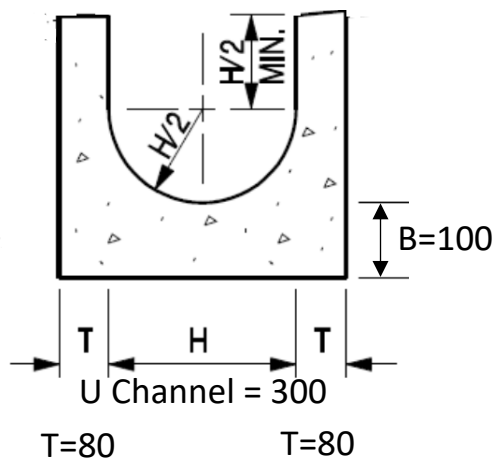
Appendix 2

Approved Drainage Proposal and
Approval Letter for Compliance with Approval Condition (d)

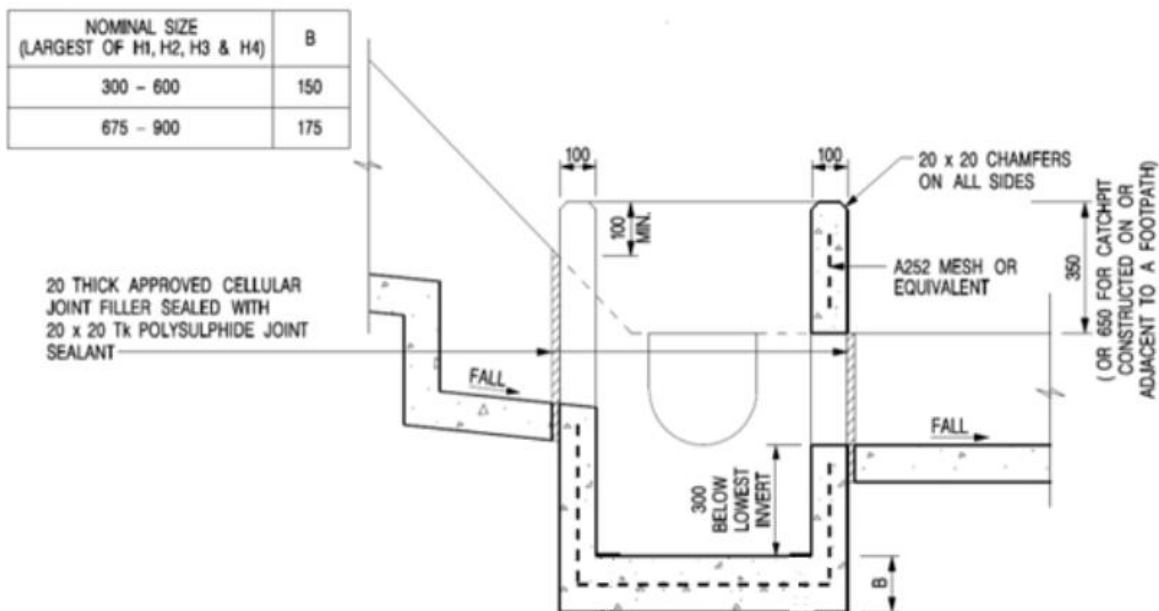


Drainage Plan for the Application site at Shek Wu Wai

Figure 3



U-channel Details



Details of Catchpit and U Channel

Figure 4

DSD - STORMWATER DRAINAGE MANUAL

7.5.2 Rational Method

$$Q_p = 0.278CiA$$

where Q_p = peak runoff in m^3/s

C = runoff coefficient (dimensionless)

i = rainfall intensity in mm/hr

A = catchment area in km^2

In Hong Kong, a value of $C = 1.0$ is commonly used in developed urban areas. In less developed areas, appropriate C values in order to ensure that the design would be fully cost-effective.

Surface Characteristics Runoff coefficient, C^*

Asphalt	0.70 - 0.95 (mid value of 0.85 is used)(Application Site)
Concrete	0.80 - 0.95
Brick	0.70 - 0.85
Grassland (heavy soil**)	
Flat	0.13 - 0.25
Steep	0.25 - 0.35
Grassland (sandy soil)	
Flat	0.05 - 0.15 (highest value of 0.15 is used)(Adjacent Area)
Steep	0.15 - 0.20

6.6.1 Village Drainage and Main Rural Catchment Drainage Channels

‘Village Drainage’ refers to the local stormwater drainage system within a village. A stormwater drain conveying stormwater runoff from an upstream catchment but happens to pass through a village may need to be considered as either a ‘Main Rural Catchment Drainage Channel’ or ‘Village Drainage’, depending on the nature and size of the upstream catchment. In any case, the impact of a 50-year event should be assessed in the planning and design of village drainage system to check whether a higher standard than 10 years is justified.

Table 2d – Intensity-Duration-Frequency (IDF) Relationship of North District Area
for durations not exceeding 240 minutes

Duration (min)	Extreme Intensity x (mm/h) for various Return Periods						
	T(year)						
	2	5	10	20	50	100	200
240	28.5	37.7	43.4	48.6	54.9	59.4	63.6
120	42.2	54.7	62.5	69.6	78.4	84.7	90.8
60	61.0	75.7	84.3	92.0	101	108	114
30	84.0	100	110	118	128	135	142
15	106	127	139	150	163	173	182
10	119	141	155	168	184	196	208
5	138	161	177	193	216	234	254

i (rainfall intensity) = **101mm/hr** (50-year and Duration of 60min is used)

$$Q_p = 0.278C_iA$$

C1 = 0.15 (Grassland (sandy soil) Flat

C2 = 0.85 (Asphalt mid Value)

i = 101 mm/hr (50-year is used)

A1 = 2,350m² (0.00235km²) (Adjacent Area)

A2 = 1,150m² (0.00115km²) (Application Site)

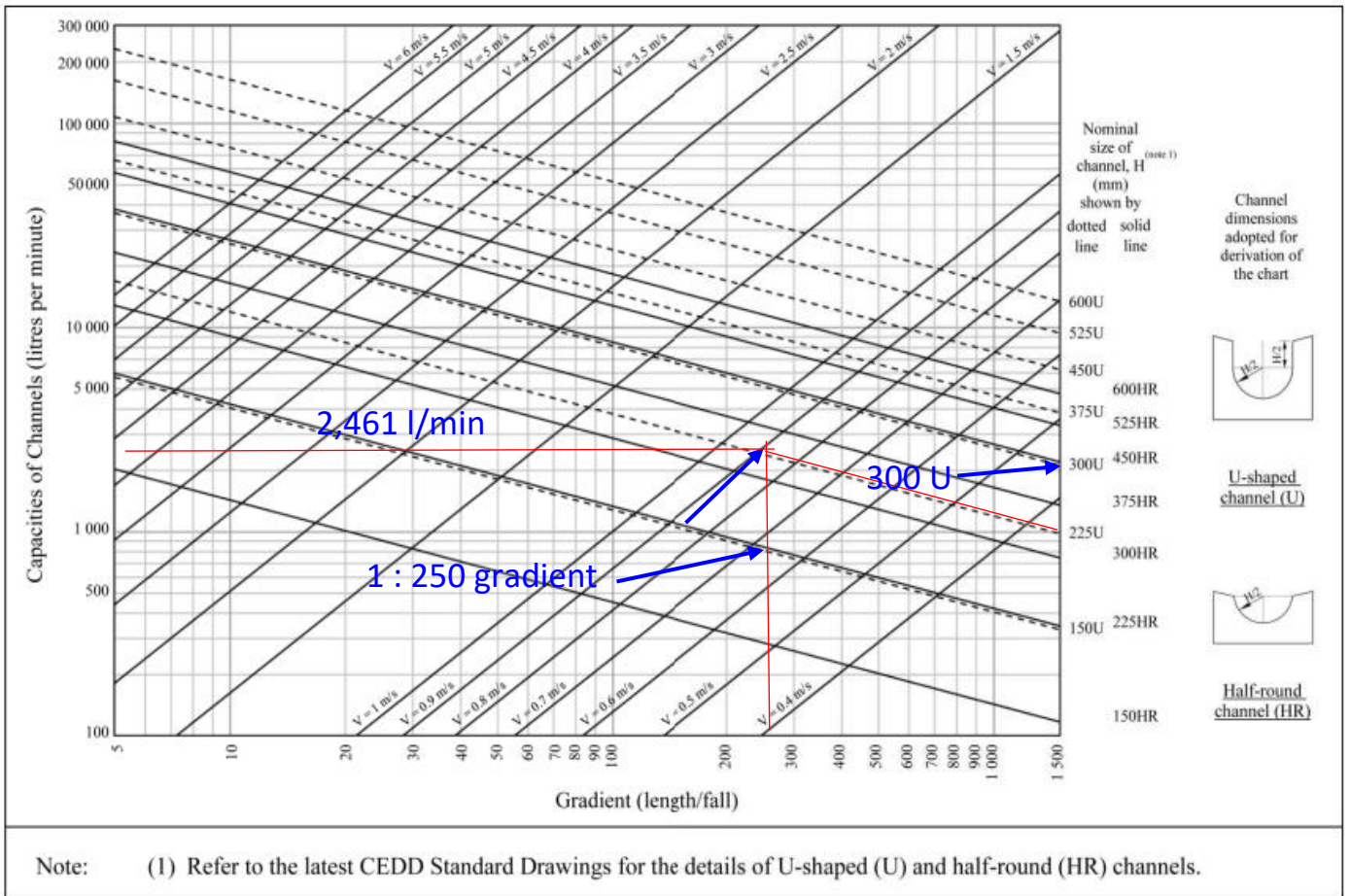
$$Q_p = 0.278 \times 101 \times (0.15 \times 0.00235 + 0.85 \times 0.00115)$$

$$Q_p = 0.0373\text{m}^3/\text{s} \text{ or } 2,238 \text{ l/min}$$

According to Section 9.3 of Storm Water Design Manual regarding the deposition of sediment in stormwater channel, 10% reduction of flow capacity for fall gradient less than 1 : 25 has been considered or increasing the Q_p by 10% = 2,238 x 1.1 = **2,461 l/min**.

GEO Technical Guidance Note No. 43 (TGN 43) Guidelines on Hydraulic Design of U-shaped

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



For 2,461 l/min, 300 U-channel is used.

規 劃 署

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



Planning Department

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

來函檔號 Your Reference : LDS/PLAN/6875
本署檔號 Our Reference : () in TPB/A/YL-NTM/445
電話號碼 Tel. No. : 3168 4072
傳真機號碼 Fax No. : 3168 4074 / 3168 4045

15 January 2024

Lawson David & Sung Surveyors Ltd.
Room 1601, South China Building
1-3 Wyndham Street
Central, Hong Kong
(Attn.: Cannis Lee)

Dear Sir/Madam,

Compliance with Approval Condition (d) Submission of Drainage Proposal

Proposed Temporary Eating Place for a Period of 5 Years in "Village Type Development" Zone, Lot 411 in D.D. 105, Ngau Tam Mei, Yuen Long (Section 16 Application No. A/YL-NTM/445)

I refer to your submission dated 28.12.2023 regarding the submission of a responses-to-comments of Drainage Services Department in an attempt for compliance with approval condition (d). Relevant department has been consulted on your submission. Your submission is considered:

- Acceptable. The captioned condition **has been complied with.**
- 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 has not been complied with.

Should you have any queries on the respective comments, please contact Mr LEONG Cheung Ching (Tel: 2300 1432) of DSD direct.

Yours faithfully,



(K.W. NG)

District Planning Officer/
Fanling, Sheung Shui and Yuen Long East
Planning Department

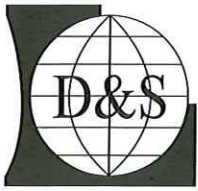
c.c.
CE/MN, DSD
CTP/TPB(3)

(Attn.: Mr LEONG Cheung Ching)

KWN/GL/mw

Appendix 3

Submission of Implementation Records of
Approved Drainage Proposal to the Planning Department dated 17.7.2024



羅迅測計師行
Lawson David & Sung
SURVEYORS LIMITED



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Sung Shu Hung
FRICS MHKIS RPS (GP) MCIREA
MHIREA BSc (Hons)

趙慧姿
Chiu Wai Chi
MRICS MSc BBus (MKTg)

Consultant :

陳志凌
Elwyn C. Chan
RPE PMgr CEnv FIHE FCIQB MICE
MHKIE MSOE FCMI MCIArb MSc

劉志光
Lau Chi Kwong
FRICS FHKIS ALS MHKIS RPS(LS) MSc

潘孝維
Pun How Wai
MRIBA

By Email and Post

Date : 17 July 2024
Your Ref.: TPB/A/YL-NTM/445
Our Ref. : LDS/PLAN/6875

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

Attn.: Mr. Gary Lam

Dear Sir,

Compliance with Approval Condition (e)
Proposed Temporary Eating Place for a Period of 3 Years at
Lot 411 in D.D.105, Ngau Tam Mei, Yuen Long, N.T.
(Planning Application No. A/YL-NTM/445)

We refer to the captioned application and write to inform you that the implementation of the approved drainage proposal was completed for compliance with approval condition (e). A set of photos showing the completed works with relevant viewpoint location marked on the approved drainage plan is attached for your approval.

Should there be any queries, please contact our Miss Cannis Lee at [REDACTED].

Yours faithfully,
For and on behalf of
Lawson David & Sung Surveyors Limited

Lawson David & Sung

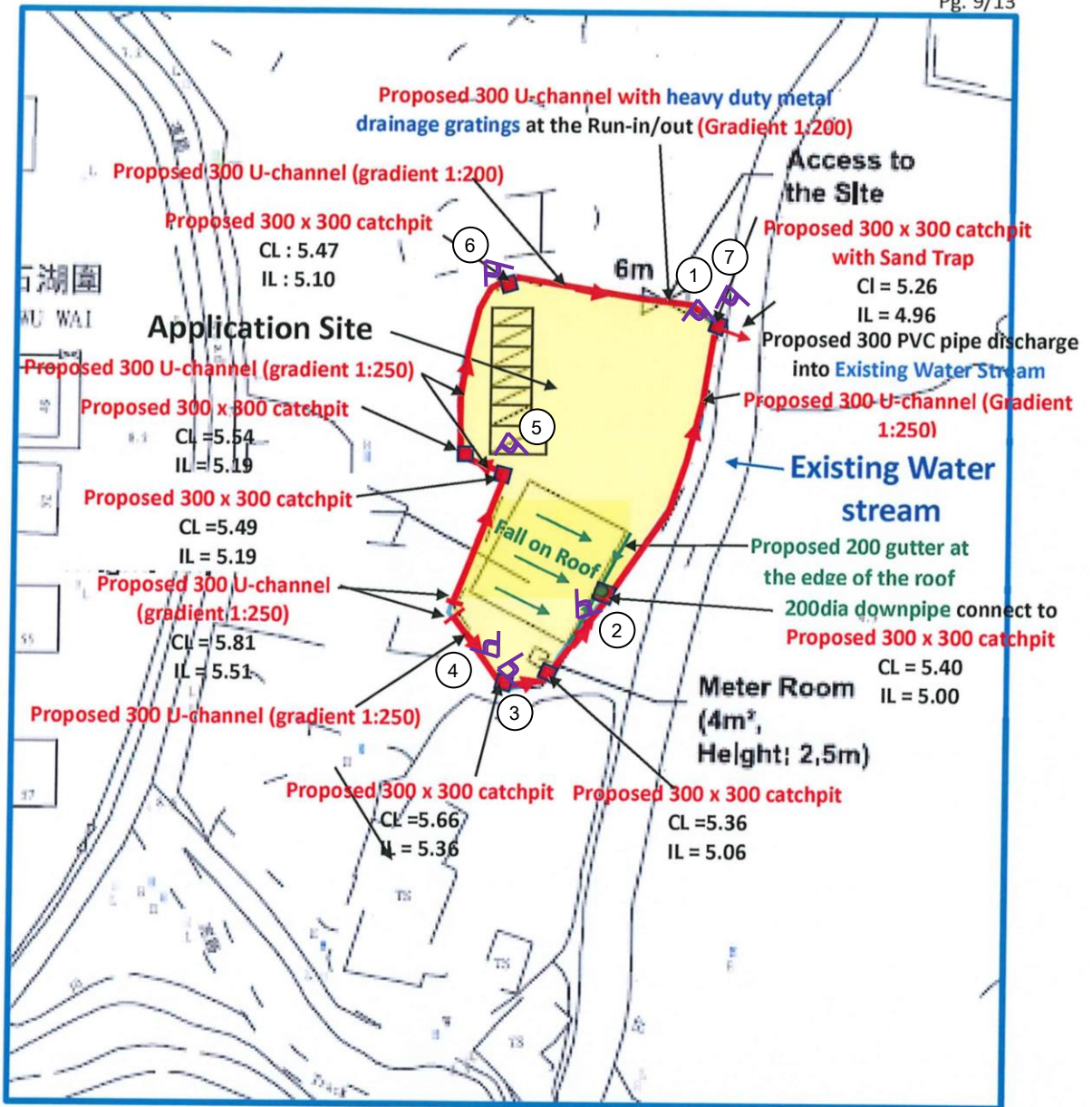


Encl.

c.c. Town Planning Board (By Email only)
Client

Your Assets for Growth

Application No. A/YL-NTM/445
 Approved Drainage Plan



Drainage Plan for the Application site at
 Shek Wu Wai

Figure 3

Viewpoint of site photos

Photo No.

A/YL-NTM/445 – Compliance with Approval Condition (e)
Implementation of the Approved Drainage Proposal
Site Photos



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7