寄件者:	Rich Gold
寄件日期:	2025年05月27日星期二 14:52
收件者:	tpbpd/PLAND
副本:	Andrea Wing Yin YAN/PLAND
主旨:	S.16 Application No. A/YL-KTN/1061 - Submission of Further Information
附件:	KTN1061_P23044_FI_DSD_27.5.2025.pdf
類別:	Internet Email

Dear Sir/Madam,

Attached please find our further information for the captioned application. Thank you.

Regards, Janice Tang



Notice to recipient: This e-mail is meant for only the intended recipient of the transmission, and may contain information of Goldrich Planners and Surveyors Ltd. that is confidential and/or privileged. If you received this e-mail in error, any review, use, dissemination, distribution, or copying of this e-mail is strictly prohibited. Please notify us immediately of the error by return e-mail and please delete this message from your system. Thank you in advance for your cooperation.



Our Ref.: P23044/TL25164

27 May 2025

The Secretary Town Planning Board 15/F., North Point Government Offices 333 Java Road, North Point, Hong Kong By Post and E-mail tpbpd@pland.gov.hk

Dear Sir,

Submission of Further Information (FI)

Temporary Animal Boarding Establishment with Ancillary Facilities for a Period of 5 Years and Associated Filling of Land in "Agriculture" Zone, Lot Nos. 1493 (Part) and 1500 (Part) in D. D. 107 and Adjoining Government Land, <u>Kam Tin, Yuen Long, New Territories</u> (Application No. A/YL-KTN/1061)

We write to submit FI in response to comments from Drainage Services Department conveyed by the Planning Department for the captioned application.

Yours faithfully, For and on behalf of Goldrich Planners & Surveyors Ltd.

Francis LAU Encl.

<u>c.c.</u> DPO/FSYLE, PlanD

(Attn.: Ms. Andrea YAN)

By E-mail only

Further Information for Planning Application No. A/YL-KTN/1061 Response-to-Comments

Comments from the Drainage Services Department

Contact Person: Mr. Terence TANG (Tel: 2300 1257)

I.	Comments		Responses		
1.	Calculation - Please justify the upstream flow		A new 500mm u-channel has been constructed		
	$0.086 { m m}^3/{ m s}.$		to collect the surface run-off of the application		
			site. This u-channel has no upstream flow		
			Please refer to the updated hydraulic		
			calculations for details.		
2.	Plan 5.1a - There is another discharging path		Please refer to the revised drainage proposal		
	from Ex. CP2 to western side of application		(Plan 5.1b) and drainage photos (Viewpoints 1		
	site. However, according to our record, the		to 9) for details.		
	implementation of downstream application site				
	(under planning application no. A/YL-				
	KTN/894) has not been completed. Therefore				
	part of the discharging path cannot be				
	considered as well-established channel.				

- END -

1 For Catchment Area of Subject Site								
Area,	A =	- 1381	m ²					
Average slope, Distance on the line of natural flow	H =	= 0.1 = 25	m per 100m m					
Distance on the line of hatara now,	L -	20						
Time of concentraction,	t _o =	= 0.14465L / (H ^{0.2} A ^{0.1} =	¹) = 0.14465 (25) / (0.1^0.2* ⁻ min	1381^0.1)	SDM 7.5.2 (d)			
2 For Existing 500mm U-Channel to SCH1028760								
	From	n To	-					
Ground level (mPD) Invert level (mPD)	4.15 3.65	3.55 2.75						
			-					
Width of u-channel,	w =	= 500	mm					
Length of u-channel,	L _c =	= 90	m					
Depth of vertical part of u-channel,	d =	= 550	mm					
Gradient of u-channel,	S _f =	= (3.65-2.75)/90	= 0.0100					
Cross-Section Area,	a =	= 0.5 π r ² + w d	= $0.5 \times 3.14 \times 250^{2} + 500 \times 550^{2}$) x 0.9	SDM 9.3 (b)			
Wetted Perimeter,	р =	$\pi r + 2d$	= 3.14 x 250 + 2 x 550		Sedimentation Reduction			
	_ =	= 1.885	m					
Hydralic radius,	R =	= a/p = 0.178	m		SDM 8.2.1			
		0.170						
3 Use Manning Equation for es	stima	ating velocity of s	tormwater					
Take	n =	= 0.016	for concrete lined channels:-		SDM Table 13			
Allowable velocity,	v =	= R ^{1/6} x (RS _f) ^{1/2} /n	= (0.178)^1/6 x (0.178 x 0.01)^1/	2 / 0.016	SDM Table 12			
	=	= 1.98	m/s					
Time of flow,	t _f =	= 0.8	min					
4 Use "Rational Method" for calculation of design flow								
Design intensity,	i =	= a / (t _o + t _f +b) ^c			SDM 4.3.2			
.	=	= 505.5 / (2.8+0.8+3.	29)^0.35t for return period T = 50 $^{\circ}$	vears	Corrigendum 1/2024			
	=	= 256	SDM Table 3a					
<u>Type of surface</u>		Runoff Coefficient C	<u>C Catchment Area A (m²)</u>	<u>C x A</u>	SDM 7.5.2 (b)			
Concrete Paving		0.25	1381.0	1312.0				
Consider aving	Concrete Paving 0.95 1381.0 1312.0 SUM = 1312.0 SUM = 1312.							
Upstream flow,	Q _u =	= 0	m³/s					
Decign flow $\Omega = 0.270$ S CA via 46 + Ω where A is in km^2								
Design now,	Ged -	= 0.278 x 256 x 1311	$95 / 1000000 \times 1.16 + 0$		Corrigendum 1/2022			
	-	= 0.270 x 200 x 1011	m ³ /s					
		000						
Allowable flow,	Q _a =	= axv						
	-	= 0.336 x 1.98	m ³ /2					
	-	- 0.596	111 /S					
	>	Q _d (O.K.)						
Reference was made to Stormwater Drainage Manual (SDM) by DSD								
Scale: NA		Hydraul	ic Calculation	Goldrich	n Planners &			
Late 1496 (Devt) 1490 (Devt)			Surve	eyors Lia.				
May 2025 Lots 1486 (Part), 1489 (Part) and adjoining Government Land in D. D. 107 Yuen Long, N. T.		P	age 1					
		Yue	en Long, N. T.	(P23044)				



Our Ref.: P23044

Viewpoint 1





Our Ref.: P23044





Our Ref.: P23044

Viewpoint 5





Our Ref.: P23044

Viewpoint 7





