12 JAN 2024



APPLICATION FOR PERMISSION

UNDER SECTION 16 OF

THE TOWN PLANNING ORDINANCE

(CAP. 131)

根據《城市規劃條例》(第131章) 第16條號交的許可申請

Applicable to Proposal Only Involving Construction of "New Territories Exempted House(s)"

適用於只涉及興建「新界豁免管制屋宇」的建議

Applicant who would like to publish the <u>notice of application</u> in local newspapers to meet one of the Town Planning Board's requirements of taking reasonable steps to obtain consent of or give notification to the current land owner, please refer to the following link regarding publishing the notice in the designated newspapers: https://www.tpb.gov.hk/en/plan_application/apply.html

申請人如欲在本地報章刊登<u>申請通知</u>,以採取城市規劃委員會就取得現行土地擁有人的同意或通知現行土地擁有人所指定的其中一項合理步驟,請瀏覽以下網址有關在指定的報章刊登通知:https://www.tpb.gov.hk/tc/plan application/apply.html

General Note and Annotation for the Form 填寫表格的一般指引及註解

- "Current land owner" means any person whose name is registered in the Land Registry as that of an owner of the land to which the application relates, as at 6 weeks before the application is made 「現行土地擁有人」指在提出申請前六星期,其姓名或名稱已在土地註冊處註冊為該申請所關乎的土地的擁有人的人
- ® Please attach documentary proof 請夾附證明文件
- ^ Please insert number where appropriate 請在適當地方註明編號

Please fill "NA" for inapplicable item 請在不適用的項目填寫「不適用」

Please use separate sheets if the space provided is insufficient 如所提供的空間不足,請另頁說明

Please insert a 「ノ」 at the appropriate box 請在適當的方格内上加上「ノ」號

3.	Application Site 申請地點	
(a)	Full address / location / demarcation district and lot number (if applicable) 詳細地址/地點/丈量約份及地段號碼(如適用)	Ha Wong Yi Au, Tai Po, New Territories. Lots Nos. 361 & 353 RP (Part) in D.D. 32 新界,大埔,下黃宜坳. 大埔丈量約份第32約 地段361號及353號餘段(部份)
		(Appendix A & Appendix C)
(b)	Site area and/or gross floor area involved 涉及的地盤面積及/或總樓面面 積	☑Site area 地盤面積 41.9 sq.m 平方米☑About 約 ☑Gross floor area 總樓面面積 88.8 sq.m 平方米□About 約
(c)	Area of Government land included (if any) 所包括的政府土地面積(倘有)	NAsq.m 平方米□About 約

(d)		e and number of the ory plan(s)	related	Tai Po Outline Zoni 大埔分區計劃	•	
		法定圖則的名稱及編號	號	S/TP/30	CM 3123	(Appendix D)
(e)		use zone(s) involved 的土地用途地帶		GB Zone 綠化地帶	40	(Appendix C)
(f)	Curre 現時	ent use(s) 用途		Vacant Land 土: (If there are any Government, institution or complan and specify the use and gross floor area) (如有任何政府、機構或社區設施,請在圖則	=	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
4.	"Cu	rrent Land Owner	r" of A	pplication Site 申請地點的「現行	· 宁土地排	確有人」
The	applica	ant 申請人-				al .
				ase proceed to Part 6 and attach documentar 繼續填寫第 6 部分,並夾附業權證明文件		ownership).
				(please attach documentary proof of owners) (請夾附業權證明文件)。	hip).	
	is not a "current land owner" [#] . 並不是「現行土地擁有人」 [#] 。					
	The application site is entirely on Government land (please proceed to Part 6). 申請地點完全位於政府土地上(請繼續填寫第 6 部分)。					
5.	Statement on Owner's Consent/Notification 就土地擁有人的同意/通知土地擁有人的陳述					
					~~~	
(a)	According to the record(s) of the Land Registry as at					
(b)	The a	applicant 申請人 -				
		A STATE OF S	) of	"current land owner(s)"#.		
		5.5	·	現行土地擁有人」#的同意。		
	Details of consent of "current land owner(s)" # obtained 取得「現行土地擁有人」 #同意的詳情					
		Land Owner(s) R	egistry w	/address of premises as shown in the record of here consent(s) has/have been obtained 注冊處記錄已獲得同意的地段號碼/處所地	the Land	Date of consent obtained (DD/MM/YYYY) 取得同意的日期 (日/月/年)
		(Please use separate shee	ets if the s	pace of any box above is insufficient. 如上列任任	可方格的空	間不足・請另頁説明)

	Details of the "current land owner(s)" notified 已獲通知「現行土地擁有人」"的詳細資料								
	Lai	. of 'Current nd Owner(s)' 現行土地擁 人」數目	Lot number/address of premises as shown in the record of the Land Registry where notification(s) has/have been given 根據土地註冊處記錄已發出通知的地段號碼/處所地址	Date of notification given (DD/MM/YYYY) 通知日期(日/月/年)					
	(Plea	se use separate s	heets if the space of any box above is insufficient.如上列任何方格的	 空間不足,請另頁說明)					
			e steps to obtain consent of or give notification to owner(s): 取得土地擁有人的同意或向該人發給通知。詳情如下:	N A					
	Reas	sonable Steps to	Obtain Consent of Owner(s) 取得土地擁有人的同意所採取	的合理步驟					
	□ 於_		or consent to the "current land owner(s)" on (日/月/年)向每一名「現行土地擁有人」"郵遞要求同意						
	Reas	sonable Steps to	o Give Notification to Owner(s) 向土地擁有人發出通知所採	取的合理步驟					
□ published notices in local newspapers on(DD/MM/YYYY) 於(日/月/年)在指定報章就申請刊登一次通知&				YYY) ^{&amp;}					
			in a prominent position on or near application site/premises on(DD/MM/YYYY)&						
		於	(日/月/年)在申請地點/申請處所或附近的顯明位置	置貼出關於該申請的通					
	s	office(s) or ru	elevant owners' corporation(s)/owners' committee(s)/mutual aid oral committee on(DD/MM/YYYY)&	_					
		於	(日/月/年)把通知寄往相關的業主立案法團/業主委 內鄉事委員會 ^{&amp;}	員會/互助委員會或管					
	Othe	ers 其他		: 45					
		others (please 其他(請指明	Man Carana	GIF					
			N A						
	,		·						

6. Development Proposa	1 擬議發展	計劃			
(a) Name(s) of indigenous villager(s) (if applicable) 原居民姓名(如適用)		CHAN	WAH HING 陳朝	華慶	
(b) 原居民所屬的原居鄉村 (如適用) The related indigenous village of the indigenous villager(s) (if applicable)	Indigenous Villager of Ha Wong Yi Au 下黃宜坳原居民				
(c) Proposed gross floor area 擬議總樓面面積		88.8sq.m 平方米 □About 約			
(d) Proposed number of house(s) 擬議房屋幢數	5	ONE	Proposed number of storeys of each house 每幢房屋的擬議層數		3
(e) Proposed roofed over area of each house 每幢房屋的擬議上蓋面積	29.6	sq.m 平方米	Proposed building height of each house 每幢房屋的擬議高度	8.23	m 米
(f) Proposed use(s) of uncovered area (if any) 露天地方(倘有)的擬議用 途	(Please illustra tank, where ap	pplicable)	NA  Ther and dimension of each car park  T,以及每個車位的長度和寬度及		
(g) Any vehicular access to the site/subject building? 是否有車路通往地盤/有關建築物?	Yes 是 There is an existing access. (please indicate the street name, where appropriate) 有一條現有車路。(請註明車路名稱(如適用)) (Appendix F) NIL  There is a proposed access. (please illustrate on plan and specify the width) 有一條擬議車路。(請在圖則顯示,並註明車路的闊度)				
(h) Can the proposed house(s) be connected to public sewer? 擬議的屋宇發展能否接駁至公共污水渠?	Yes 是M No 否口	示接駁公共污水	on plan the location of the pro	,	請用圖則顯 (Appendix H) nk. 請用圖則
1		顯示化糞池的位	直)		

7. Impacts of Develo	pment Proposal 擬議發展計劃的影響				
If necessary, please use separate sheets to indicate the proposed measures to minimise possible adverse impacts or give justifications/reasons for not providing such measures. 如需要的話,請另頁註明可盡量減少可能出現不良影響的措施,否則請提供理據/理由。					
	Yes 是 Please provide details 請提供詳情				
Does the development proposal involve alteration of existing building? 擬議發展計劃是否包括現有建築物的改動?	No 否 ☑				
Does the development proposal involve the operation on the right? 擬議發展是否涉及右列的工程?	Yes 是 □ (Please indicate on site plan the boundary of concerned land/pond(s), and particulars of stream diversion, the extent of filling of land/pond(s) and/or excavation of land) (請用地盤平面圖顯示有關土地/池塘界線,以及河道改道、填塘、填土及/或挖土的細節及/或範圍) □ Diversion of stream 河道改道 □ Filling of pond 填塘				
Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響?	On environment 對環境 On traffic 對交通 Yes 會□ No 不會□ On water supply 對供水 Yes 會□ No 不會□ On drainage 對排水 Yes 會□ No 不會□ On slopes 對斜坡 Yes 會□ No 不會□ On slopes 對斜坡 Yes 會□ No 不會□ Affected by slopes 受斜坡影響 Yes 會□ No 不會□ Landscape Impact 構成景觀影響 Yes 會□ No 不會□ Tree Felling 砍伐樹木 Yes 會□ No 不會□ Others (Please Specify) 其他 (請列明) Yes 會□ No 不會□ Others (Please Specify) 其他 (請列明)  (Appendix E Please state measure(s) to minimise the impact(s). For tree felling, please state the number, diameter at breast height and species of the affected trees (if possible) 請註明盡量減少影響的措施。如涉及砍伐樹木,請說明受影響樹木的數目、及胸高度的樹幹直徑及品種(倘可)				

8. Justifications 理由					
The applicant is invited to provide justifications in support of the application. Use separate sheets if necessary. 現請申請人提供申請理由及支持其申請的資料。如有需要,請另頁說明。					
*					
Appendix.G					
Plans to be Submitted					
Appendix A Lot Index Plan—Lots Nos. 361 & 353 RP (Part) in D.D. 32					
Appendix B Survey Record Plan (SRP/TP/008/90003/D1 Refers)					
Appendix C Proposed Plan of N.T.E.H.					
Appendix D Tai Po Outline Zoning Plan—S/TP/30					
Appendix E Aerial Photo of the Subject Site					
Appendix F Location Plan					
Appendix G Justification					
Appendix H Plan of Sewage Proposal					

9. Declaration 聲明				
I hereby declare that the particulars given in this application are correct and true to the best of my knowledge and belief. 本人謹此聲明,本人就這宗申請提交的資料,據本人所知及所信,均屬真實無誤。				
I hereby grant a permission to the Board to copy all the materials submitted in this application and/or to upload such materials to the Board's website for browsing and downloading by the public free-of-charge at the Board's discretion. 本人現准許委員會酌情將本人就此申請所提交的所有資料複製及/或上載至委員會網站,供公眾免費瀏覽或下載。				
Signature				
MR CHAN TAK HINGManaging DirectorName in Block LettersPosition (if applicable)姓名 (請以正楷填寫)職位 (如適用)				
Professional Qualification(s)  ■ Member 會員 / □ Fellow of 資深會員 □ HKIP 香港規劃師學會 / □ HKIA 香港建築師學會 / □ HKIS 香港測量師學會 / □ HKIUD 香港城市設計學會 □ RPP 註冊專業規劃師 Others 其他  ■ MRICS, RPS (LS) & ALS				
on behalf of 代表 T.H. & ASSOCIATS LIMITED 陳德慶測量有限公司 Company 公司 / □ Organisation Name and Chop (if applicable) 機構名稱及蓋章(如適用)				
Date 日期 15 DEC 2023 (DD/MM/YYYY 日/月/年)				

#### Remark 備註

The materials submitted in this application and the Board's decision on the application would be disclosed to the public. Such materials would also be uploaded to the Board's website for browsing and free downloading by the public where the Board considers appropriate.

委員會會向公眾披露申請人所遞交的申請資料和委員會對申請所作的決定。在委員會認為合適的情況下,有關申請 資料亦會上載至委員會網頁供公眾免費瀏覽及下載。

#### Warning 警告

Any person who knowingly or wilfully makes any statement or furnish any information in connection with this application, which is false in any material particular, shall be liable to an offence under the Crimes Ordinance. 任何人在明知或故意的情況下,就這宗申請提出在任何要項上是虛假的陳述或資料,即屬違反《刑事罪行條例》

#### Statement on Personal Data 個人資料的聲明

1. The personal data submitted to the Board in this application will be used by the Secretary of the Board and Government departments for the following purposes: 委員會就這宗申請所收到的個人資料會交給委員會秘書及政府部門,以根據《城市規劃條例》及相關的城市規劃委員會規劃指引的規定作以下用途:

(a) the processing of this application which includes making available the name of the applicant for public inspection when making available this application for public inspection; and 處理這宗申請,包括公布這宗申請供公眾查閱,同時公布申請人的姓名供公眾查閱;以及

(b) facilitating communication between the applicant and the Secretary of the Board/Government departments. 方便申請人與委員會秘書及政府部門之間進行聯絡。

- 2. The personal data provided by the applicant in this application may also be disclosed to other persons for the purposes mentioned in paragraph 1 above. 申請人就這宗申請提供的個人資料,或亦會向其他人士披露,以作上述第1段提及的用途。
- 3. An applicant has a right of access and correction with respect to his/her personal data as provided under the Personal Data (Privacy) Ordinance (Cap. 486). Request for personal data access and correction should be addressed to the Secretary of the Board at 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong. 根據《個人資料(私隱)條例》(第486章)的規定,申請人有權查閱及更正其個人資料。如欲查閱及更正個人資料, 應向委員會秘書提出有關要求,其地址為香港北角渣華道 333 號北角政府合署 15 樓

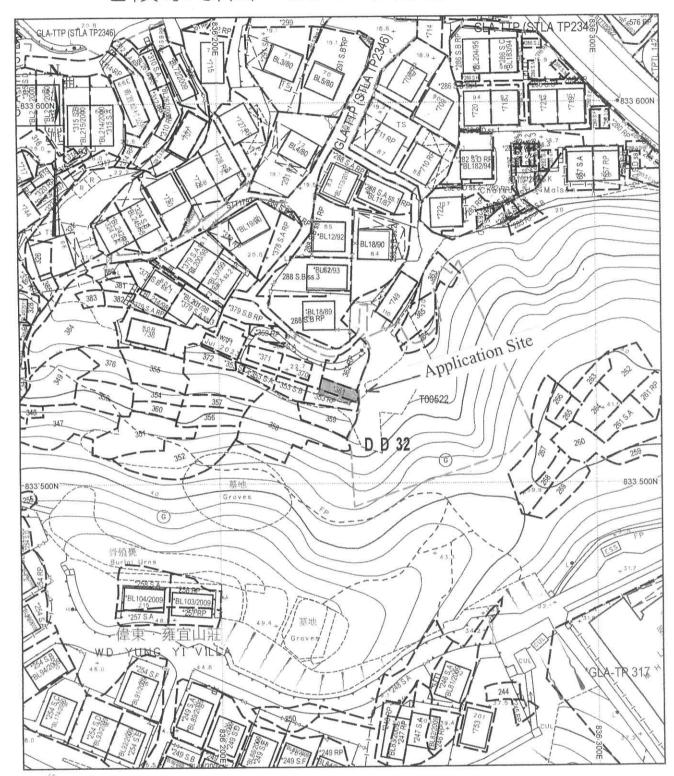
Gist of Application 申請摘要					
consultees, uploaded available at the Plann (請 <u>盡量</u> 以英文及中	l to the T ning Enq 文填寫。 劉資料查	oth English and Chinese <u>as far as possible</u> . This part will be circulat fown Planning Board's Website for browsing and free downloading by airy Counters of the Planning Department for general information.) 此部分將會發送予相關諮詢人士、上載至城市規劃委員會網頁供公詢處供一般參閱。)	the public and		
Application No. 申請編號	(For Off	ficial Use Only) (請勿填寫此欄)			
Location/address 位置/地址		Ha Wong Yi Au, Tai Po, New Territories. Lots Nos. 361 & 353 RP (Part) in D.D. 32 新界,大埔,下黃宜坳. 大埔丈量約份第32約 地段361號及353號餘段(部代	分) & Appendix C)		
Site area 地盤面積		41.9 sq. m 平方米 「	About 約		
2039年1日7月	(include	es Government land of 包括政府土地 NA sq. m 平方米	□ About 約)		
Plan 圖則	z. B	S/TP/30	(Appendix D)		
Zoning 地帶		GB Zone 綠化地帶	(Appendix C)		
Applied use/ development申 請用途/發展		Territories Exempted House 新界豁免管制屋宇 all House 小型屋宇			
i) Proposed Gros area 擬議總樓面面		88.8 sq.m 平方米 口	About 約 (Appendix C)		
(ii) Proposed No. (house(s) 擬議房屋幢數	(	ONE	(i specialis o)		
(iii) Proposed building height/No. of storeys 建築物高度/層數		☑ (Not mor	8.23 m 米 e than 不多於)		
		Three	Storeys(s) 層		

Submitted Plans, Drawings and Documents 提交的圖則、繪圖及文件		
	Chinese 中文	English 英文
Plans and Drawings 圖則及繪圖		
Master layout plan(s)/Layout plan(s) 總綱發展藍圖/布局設計圖 Block plan(s) 樓宇位置圖 Floor plan(s) 樓宇平面圖 Sectional plan(s) 截視圖 Elevation(s) 立視圖 Photomontage(s) showing the proposed development 顯示擬議發展的合成照片 Master landscape plan(s)/Landscape plan(s) 園境設計圖 Others (please specify) 其他 (請註明)		
Lot Index Plan of Lots 361 & 353 RP (Part) in D.D. 32, Survey Record Plan, Proposed Plan of N.T.E.H., O.Z.P—S/TP/30, Aerial Photo of the Subject Site, Location Plan & Plan of Sewage Proposal  Reports 報告書		
Planning Statement/Justifications 規劃綱領/理據	П	
Environmental assessment (noise, air and/or water pollutions) 環境評估(噪音、空氣及/或水的污染)		
Traffic impact assessment (on vehicles) 就車輛的交通影響評估		
Traffic impact assessment (on pedestrians) 就行人的交通影響評估 Visual impact assessment 視覺影響評估		
Landscape impact assessment 景觀影響評估 N A Tree Survey 樹木調査 Geotechnical impact assessment 土力影響評估		
Drainage impact assessment 排水影響評估		
Sewerage impact assessment 排污影響評估		
Risk Assessment 風險評估		
Others (please specify) 其他(請註明)		
Note: May insert more than one「シ」. 註:可在多於一個方格內加上「シ」號	n 0 w	

Note: The information in the Gist of Application above is provided by the applicant for easy reference of the general public. Under no circumstances will the Town Planning Board accept any liabilities for the use of the information nor any inaccuracies or discrepancies of the information provided. In case of doubt, reference should always be made to the submission of the applicant. 註: 上述申請摘要的資料是由申請人提供以方便市民大眾參考。對於所載資料在使用上的問題及文義上的歧異,城市規劃委員會概不負責。若有任何疑問,應查閱申請人提交的文件。

### 地段索引圖 LOT INDEX PLAN





地政總署測繪處

#### Survey and Mapping Office, Lands Department

比例尺 SCALE 1:1000 ** metres 10 0 10 20 30 40 50 metres U

Locality:

Lot Index Plan No.: LC20231211152025

District Survey Office: Tai Po

Date: 11-Dec-2023

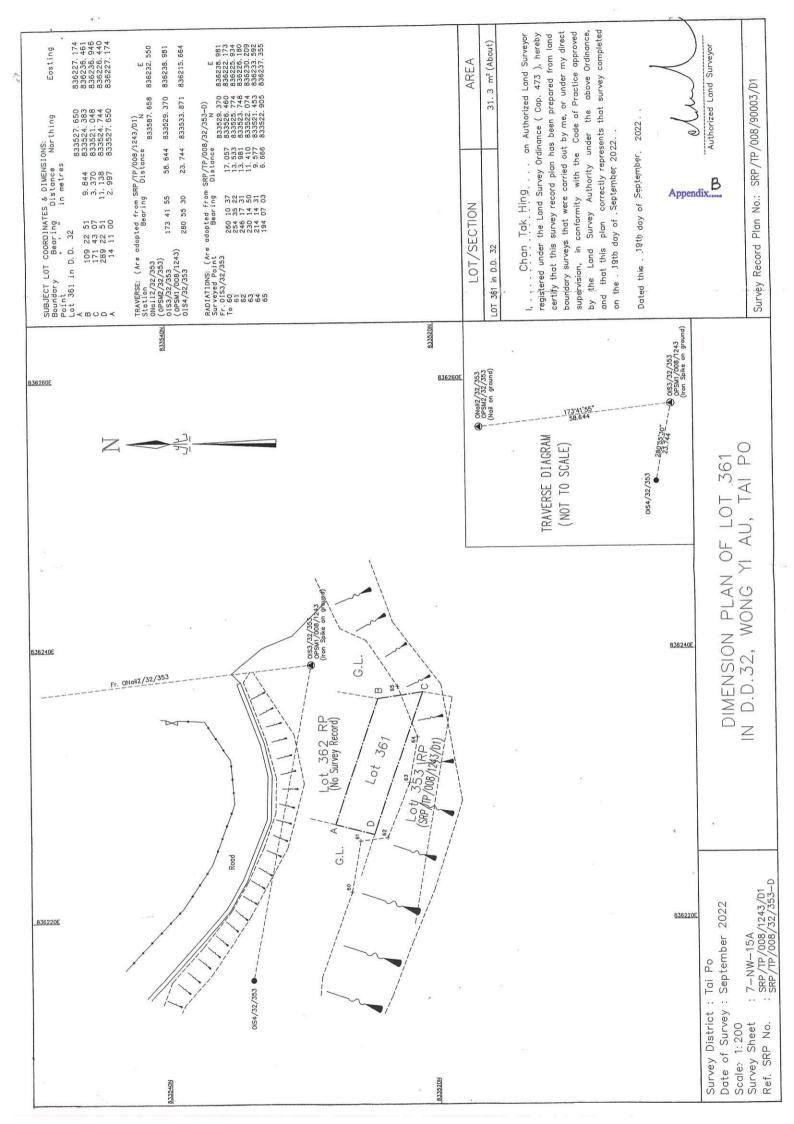
Reference No.: 7-NW-10C,7-NW-15A

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SMO-P01 20231211152034 10

摘要說明:本地段索引圖在其背景的地形圖上標示了各種永久和短期持有的土地的圖像界線。這些土地包括私人地段、政府撥地、短期租約批地,以及其他作核准用途的土地。請注意:(1)本索引圖上的資料會被不時更新而不作事先通知:(2)索引圖的更新或會延後於有關資料的實際變更;以及(3)本案引圖中顯示的界線僅供識別之用,資料是否準確可靠,應徵詢專業土地測量節的意見。 免責說明:如因使用本地段索引圖,或因所依據的本索引圖資料出錯、還漏、過時或有誤差而引致任何損失或損害,政府概不承擔任何法律責任。

Explanatory notes: This plan shows the graphical boundaries of different kinds of permanent and temporary land holdings with the topographic map in the backdrop. The land holdings as shown may include private lots, government land allocations, short term tenancies and other permitted uses of land. It must be noted that: (1) the information shown on this plan is subject to update without prior notification; (2) there may be time lag between an update and the related changes taken place; and (3) the graphical boundaries as shown are for identification purpose only and interpretation of their accuracy and reliability requires the advice from professional land surveyor. Disclaimer: The Government shall not be responsible for any loss or damage howsoever arising from the use of this plan or in reliance upon its correctness,

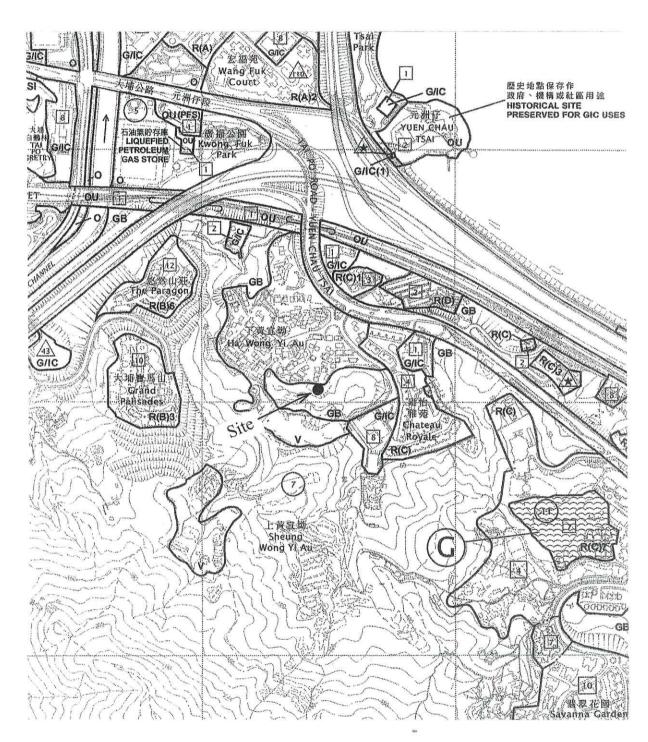


Plan of Proposed New Territories Exempted House on Lots Nos. 361 & 353 RP (Portion) in D. D. 32



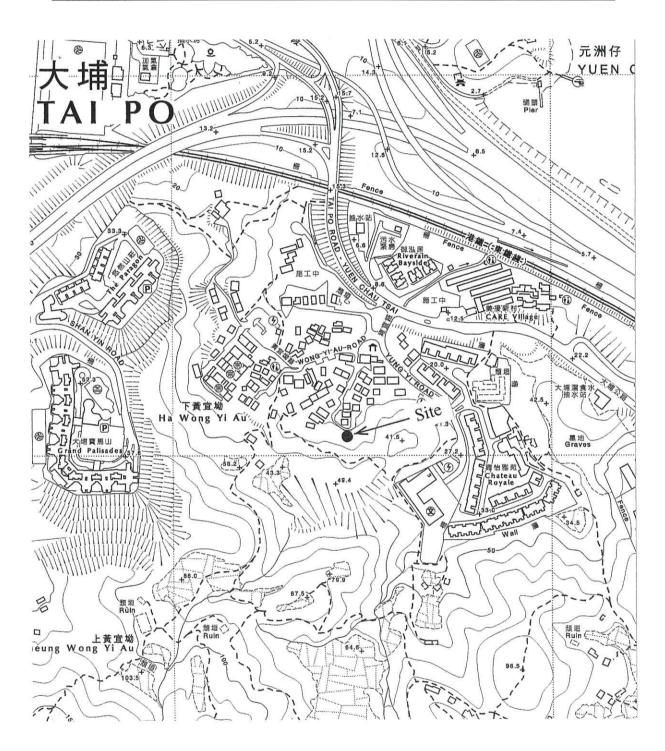
SCALE 1:1000

# EXTRACT PLAN From 0.Z.P. S/TP/30

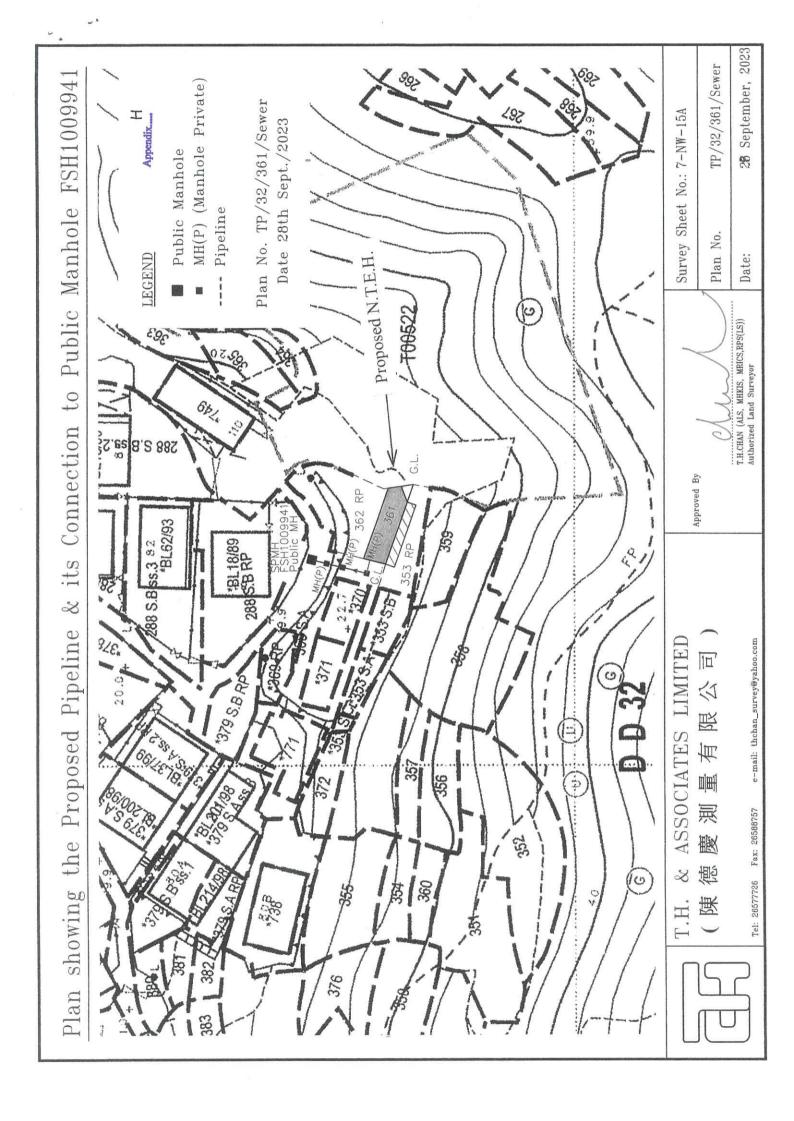


SCALE 1:7500

# LOCATION PLAN From Survey Sheet No. 7-NW-B



SCALE 1:5000



#### **Justifications**

#### Lots Nos. 361 & 353 RP (Part) in D.D. 32 (N.T.E.H.)

- 1. The applicant Mr. Chan Wah Hing (陳華慶) indigenous villager of Ha Wong Yi Au, Tai Po, who wishes to apply for the planning permission to build a N.T.E.H. house under Section 16 of the Town Planning Ordinance;
- 2. Applicant wishes to develop his house land in order to improve his living accommodation and environment.
- 3. Lot No. 361 in D.D. 32 is an old schedule Lot of registered area 0.01 ac, Shed (2) 2nd class, the rent is \$1.00 p.a., Lot 353 RP (Part) is Dry Cultivation;
- 4. Boundary of the Lot 361 was re-established by an Authorized Land surveyor, the plan No. is SRP/TP/008/90003/D1, the surveyed area of the Lot is 31.3 m² (House Land) Appendix B refers;
- 5. There is an existing access leading to the site;
- The Lot 361 is entirely within GB Zone, it is outside village environs boundary of Ha Wong Yi Au, centre of the house lot is about 10 metres in average away from the Village Type Dev. (V Zone) of Tai Po Outline Zoning Plan S/TP/30;
- 7. Applicant agrees to build the NTEH house of floor area of 29.6 x 3 (3 storeys), the height is 8.23 metres with balcony faces South;
- 8. No tree felling is required for this proposed building;
- The proposed building will NOT cause any adverse impacts on environment, traffic, water supply, land filling and drainage etc.;
- 10. Similar applications (A/TP/423, A/TP/409, A/TP/540 & A/TP/687) for the small houses development within GB zone were approved by the Board in the past, besides house of Lot 723 was developed without planning reference, all are in D.D. 32 Ha Wong Yi Au, Tai Po.
- ※ Please be informed that the Lot 353 RP in D.D. 32 belongs to applicant Mr. Chan
  Wah Hing (same owner & ownership is annexed hereto).

## Geotechnical Planning Review Report for Proposed House (New Territories Exempted House) Development

on

Lot No. 361 in D.D. 32, Ha Wong Yi Au, Tai Po, New Territories

JDF Engineering Consultants Limited

March 2024

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#### 1 INTRODUCTION

A New Territories Exempted House (NTEH) is proposed to be constructed within Lot No. 361 in D.D. 32, Ha Wong Yi Au, Tai Po, N.T. This report documented the assessment of the geotechnical feasibility of the proposed development and outline of further studies that may be required.

#### 2 SITE DESCRIPTION

#### 2.1 Site Location

The Site, where the proposed NTEH is to be constructed, is located on a platform at Ha Wong Yi Au, Tai Po (**Plate 1 and Plate 2**). The Site is covered by concrete surface and is retained by a small non-registered retaining wall with maximum high of about 0.7m and a small cut slope of about 1.0m high at its north-eastern side. The approximate location of the lot boundary is shown in **Figure 1**. A natural terrain overgrown with dense vegetation is overlooking the Site at the south-western direction (**Plate 3**). Further details on the discussion of these features are given in Section 4 and 5 below.

#### 3 DESK STUDY

#### 3.1 Geological Maps

The geology of the Site is shown on the Hong Kong Geological Survey (HKGS) Map Sheet 7 (Shatin), Second Edition, 1:20,000-scale HGM20 series. The local geology of the Study Area is presented in **Figure 2** and described below.

#### 3.1.1 Solid Geology

The 1:20,000 scale geological map sheet 7 (HKGS, 2010, Second Edition) indicated that the Site is likely to be underlain by Lapilli Lithic-bearing Coarse Ash Crystal Tuff (Jty_cat) of the Yim Tin Tsai Formation under the Tsuen Wan Volcanic Group in Middle Jurassic.

#### 3.1.2 Superficial Geology

No superficial deposit has been recorded within the Site.

#### 3.1.3 Structural Geology

No fault or photolineament has been recorded within or in vicinity of the Site.

#### 3.2 GASP Report

The Geotechnical Area Studies Programme (GASP) comprised a systematic geotechnical information and assessment for land management and development planning of the Territory of Hong Kong. The findings were based on terrain classification techniques using aerial photographs, examination of geotechnical data collected from existing Site

investigation records and available literature and field reconnaissance. The study was based on the bedrock geology given on the 1:50,000 scale geological map produced by Allen & Stephens (1971) 'Report on the Geological Survey of Hong Kong', which has subsequently been superseded. The following are extracts from the relevant GASP report (GASP Report V, North New Territories, 1988):

- a) Physical Constraints Map This map has indicated the Site area is designated as zone of slopes on insitu terrain which are generally steeper than 30°.
- b) Engineering Geology Map This map indicates that the Site is covered by dominantly pyroclastic rocks with some lavas.
- c) Geotechnical Land Use Map –This map indicates that the Site area is designated as Class III, which has high geotechnical limitations and is low suitability for development.

#### 3.3 Enhanced Natural Terrain Landslide Inventory

In 1995, the GEO compiled the Natural Terrain Landslide Inventory (NTLI) from an interpretation of high-altitude (8,000ft and above) aerial photographs dated from 1945 to 1994 (King, 1999). In 2007, the GEO produced an Enhanced Natural Terrain Landslide Inventory (ENTLI) using low-altitude (8,000ft and below) aerial photographs to update the NTLI.

In accordance with **GEO Report No. 138** (GEO, 2003), landslides are classed as either "Relict" or "Recent", depending on their appearance in aerial photographs. "Relict" landslides are defined as those where the main scarp is well-defined but vegetation has reestablished on the scar on the earliest set of available aerial photographs. "Recent" landslides are defined as having occurred within the timespan of the aerial photograph coverage. These are typically identified as having a light tone on the aerial photographs and are bare of vegetation.

No ENTLI has been recorded within or in the vicinity of the Site.

#### 3.4 Historical Landslide Catchment (HLC) Inventory

Historical Landslide Catchments (HLCs) have been defined by GEO based on the results of the ENTLI. No HLC present within or in the vicinity of the Site.

#### 3.5 Hillside Pocket

Hillside Pockets (HP) are defined as small tracts of predominantly natural hillside within developed areas (defined as areas with more than 10% of development within 200 m searching radius) and satisfying all three of the following criteria:

- i) have an elevation difference greater than 8 m,
- ii) have a maximum gradient greater than 20°, and
- iii) have a plan area of greater than 400 m².

The HP Catalogue was compiled between 2013 and 2016 under Agreement No. CE 11/2013 (GE) Feasibility Study on Cataloguing and Ranking of Hillside Pockets, based on the review of 4 sets of aerial photographs, records of past instabilities (mainly the GEO landslide incident records and ENTLI features), presence of registered disturbed terrain, facilities in close proximity to the HP and site inspection.

No Hillside Pocket has been recorded within or in the vicinity of the Site.

#### 3.6 Reported Landslide Incidents

The GEO landslide incidents database has indicated one incident record located at about 20m to the east of the Site (**Figure 3**). The incident was recorded as 2020/07/2727 and it involved a small slope failure (4m³) within a disturbed terrain adjoining to an access road in July 2020. Detailed information of the feature extracted from SIS is presented in **Appendix A**.

#### 3.7 Registered Man-made Slopes

No man-made feature has been registered within or in the vicinity of the Site, Figure 4.

#### 4 REVIEW OF NATURAL TERRAIN OVERLOOKING THE SITE

It is noted that the Site may be affected by natural hazard aroused from a natural terrain above the Site from the elevation of about +49mPD to +22mPD. An initial screening exercise has been carried out to assess whether the proposed development falls within the "Inprinciple Objection Criteria" or the "Alert Criteria" with respect to the concerned natural terrain according to the guideline given in GEO Report No. 138 Second Edition. The potential hillside catchment that may affect the proposed development has been delineated based on the 1:1000 topographic map and is presented in **Figure 5**. The measured angular elevation from the top of the natural terrain to the nearest boundary of Lot no. 361 is about 25.4° and therefore satisfied the "Alert Criteria" and therefore further study of the natural terrain hazards arouse from the natural terrain to the Site is required. If found necessary, natural terrain hazard mitigation measure shall be implemented.

## 5 IMPACTS OF PROPOSED WORKS ON EXISTING SLOPES AND RETAINING WALL

Although there is no man-made feature has been registered within or in the vicinity of the Site, the Site platform was retained by a retaining wall at its north-eastern side with a maximum height of about 0.7m (**Plate 2**). There is also a small cut slope (about 1.0m high) with chunam surface below the retaining wall. No major sign of distress can be identified at the retaining wall and the cut slope during the inspection. However, the stability of these retaining wall and cut slope have to be checked with respect to the proposed development based on the subsurface conditions and shear strength parameters of soil/rock obtained from a site specific ground investigation. If found necessary, appropriate improvement/upgrading works, including slope re-profiling, installation of soil nails, and thickening of the retaining wall shall be carried out so as to meet the current geotechnical standard.

#### 6 RECOMMENDATIONS AND CONCLUSIONS

A desk study has been carried out for the proposed small houses development within Lot No 361 in D.D. 32, Tai Po on all available geological and geotechnical information in GEO and relevant publications. A review on the proximities of the natural slope and manmade slope feature were conducted to assess whether the proposed development will be affected by the adjacent slope including natural terrain.

Based on the results of the review, the angular elevation from the natural terrain to the Site is 28.4°. According to GEO report No.138, the proposed development satisfied the "Alert Criteria" and therefore a further study of the natural terrain hazards posing to the proposed development is required. The proposed extent of the natural terrain hazards study is delineated in **Figure 5**. A proper natural terrain hazard mitigation measure shall be implemented, if found necessary, as part of the proposed development. Therefore, a natural terrain hazard study will be carried out in the next stage of the project.

In addition, it is essential to search and review the background information of existing building, geotechnical feature (retaining wall and cut slope below the Site) and underground services within and in the vicinity of the Site. Site investigation is proposed to reveal/confirm the subsoils and the ground profile within and in the vicinity of the Site as well as to determine the engineering properties of the soils and rock.

For safety and cost effectiveness, the foundation design, retaining wall stability assessment, excavation planning as well as the design of geotechnical structure should be based on the geological horizons obtained from the ground investigation results, groundwater table interpreted from the piezometer/standpipe monitoring records, and the geotechnical parameters determined from the field and laboratory testing. A geotechnical assessment report (GAR) is required to deal with the above issues in the later stage.

#### 7 REFERENCES

Geotechnical Engineering Office (1987). Geotechnical Area Studies Programme – North New Territories. Geotechnical Control Office, Hong Kong, GASP Report No. V.

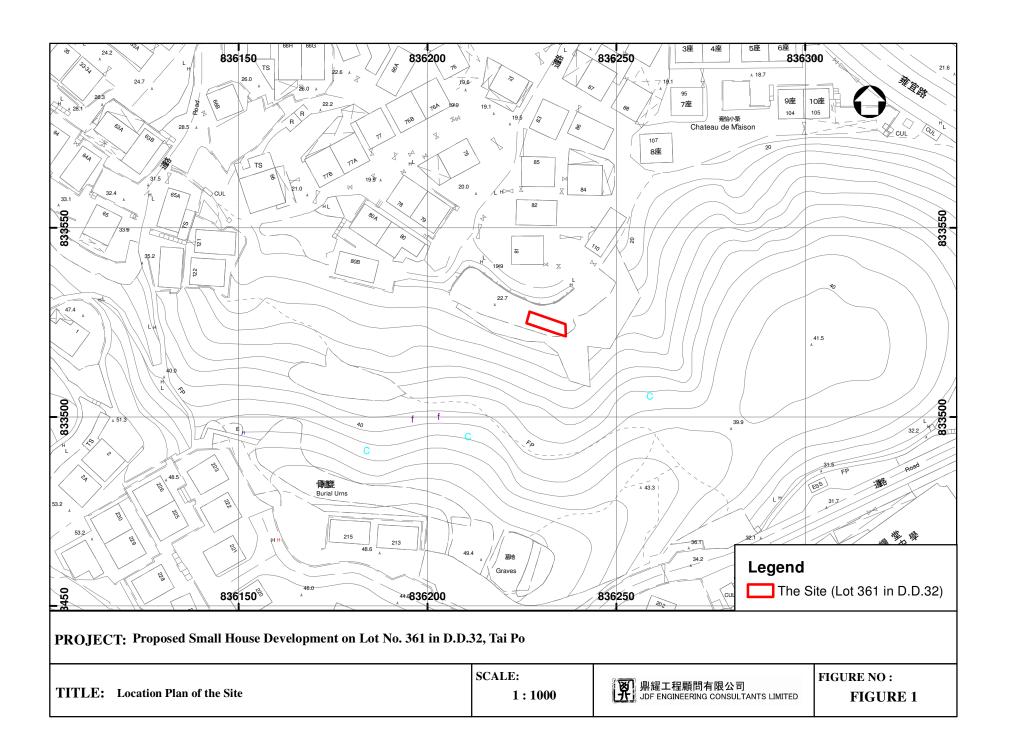
Geotechnical Engineering Office (2016). Guidelines for Natural Terrain Hazard Studies. Geotechnical Engineering Office, Hong Kong. GEO Report No. 138, Second Edition.

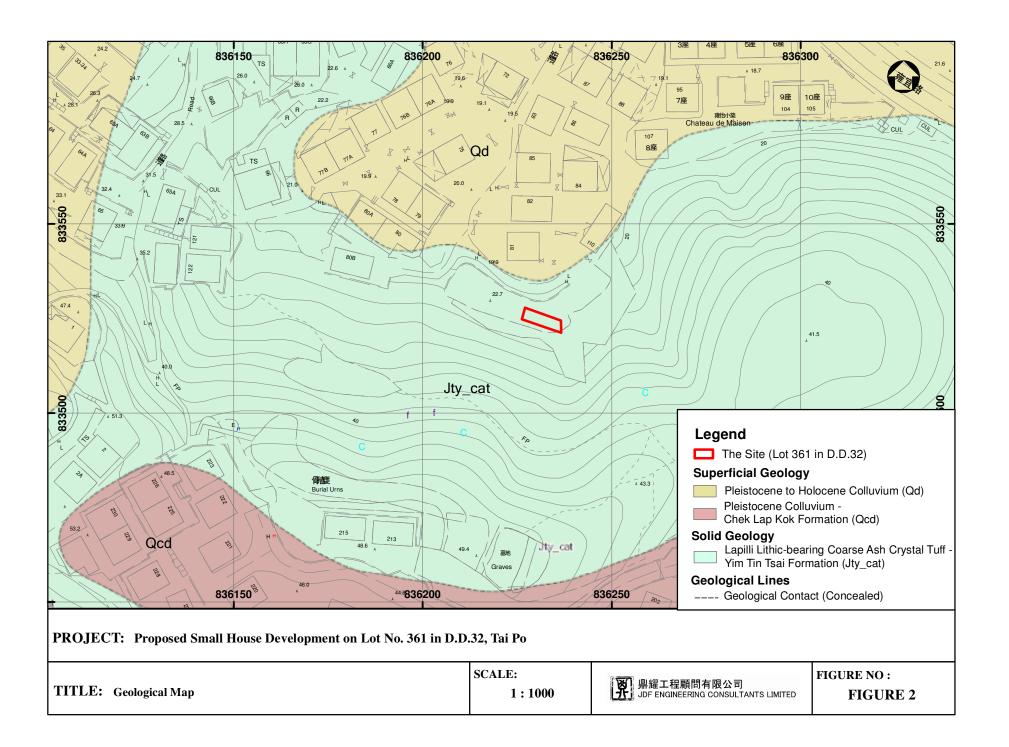
Geotechnical Engineering Office (2004). Guidelines for Classification of Consequence-to-Life Category for Slope Features. Geotechnical Engineering Office, Hong Kong. GEO Technical Guidance Note No. 15 (TGN15).

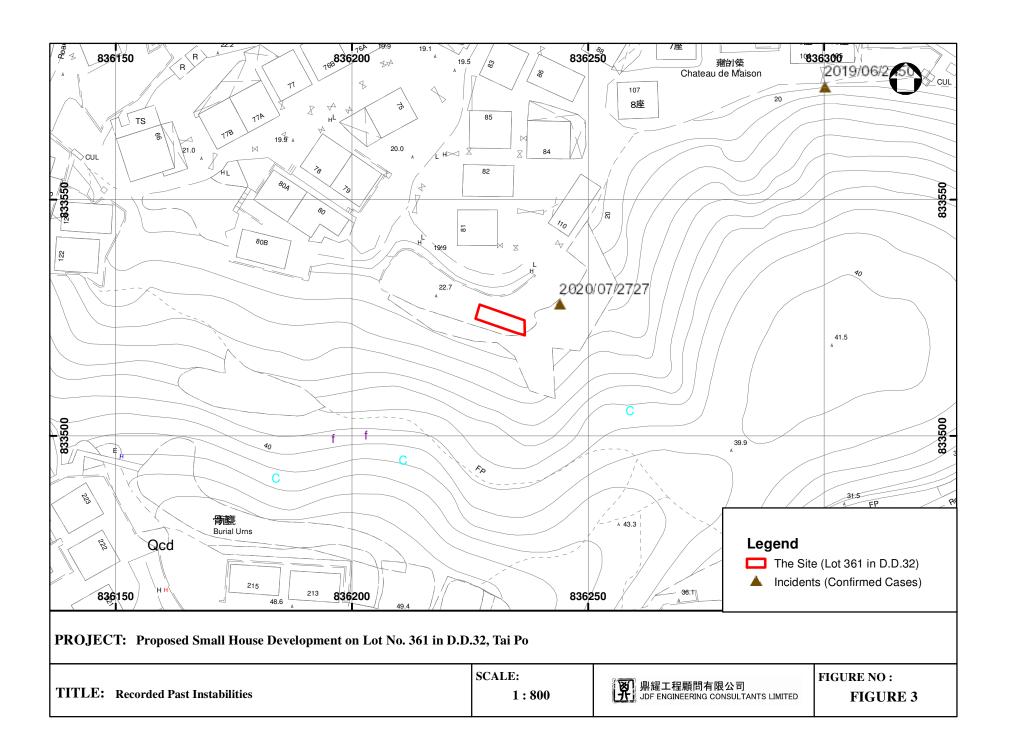
Geotechnical Engineering Office (2010), Map 7 (Shatin) Solid and Superficial Deposits, 1:20,000 scale, HGM20 series.

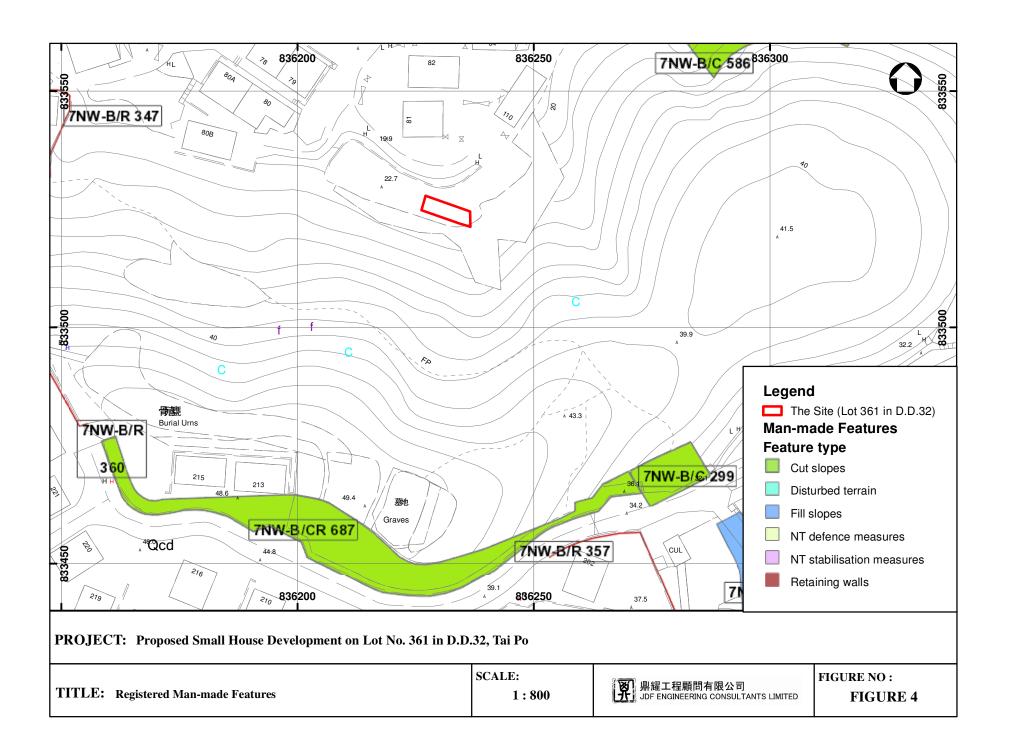
#### **LIST OF FIGURES**

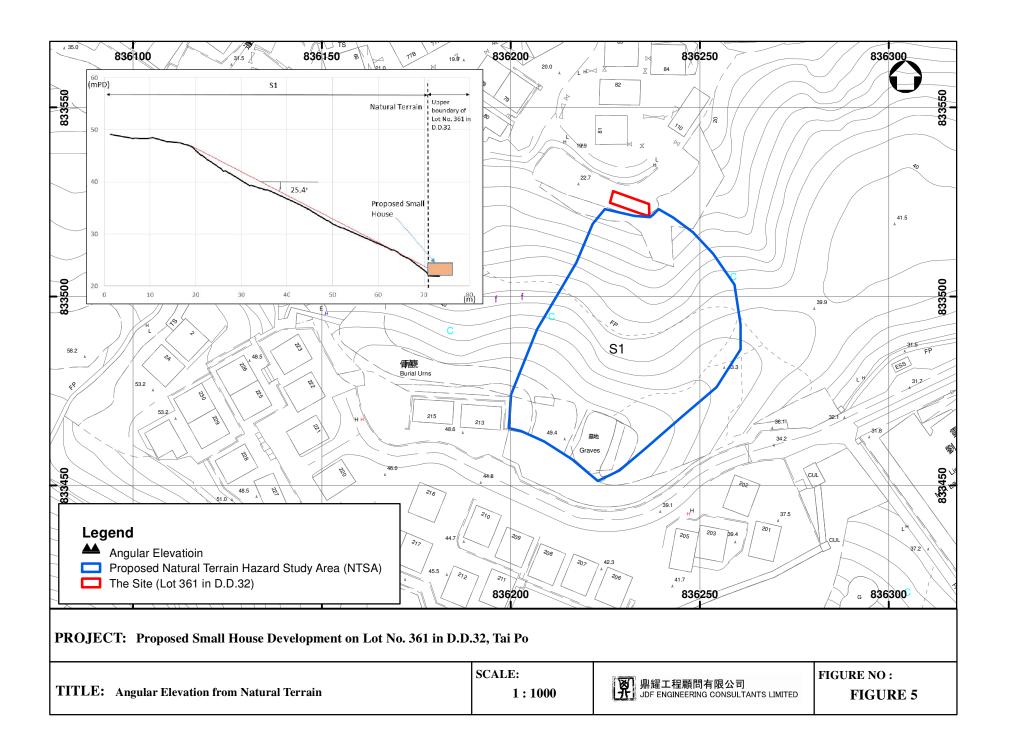
Figure No.	
1	Location Plan of the Site
2	Geological Map (1:20,000)
3	Recorded Past Instabilities
4	Registered Man-made Features
5	Angular Elevation from Natural Terrain

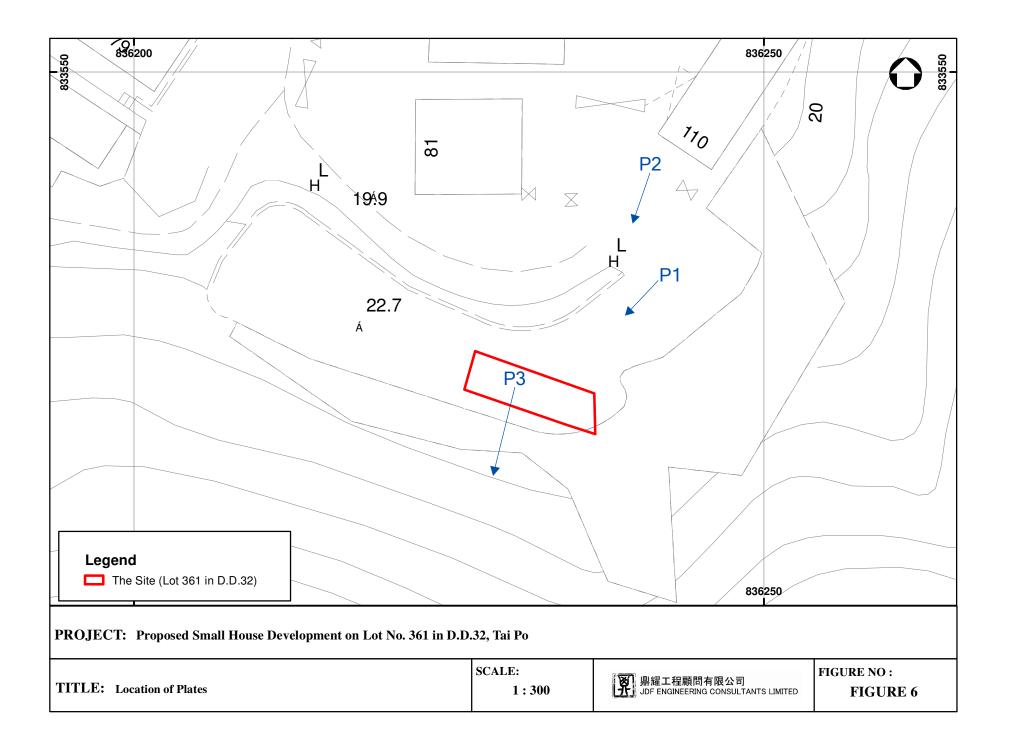












#### **LIST OF PLATES**

Plate No.	
Plate 1	General View of the Site
Plate 2	General View of the Site, the non-registered retaining wall and cut slope.
Plate 3	Natural Terrain Overlooking the Site



Plate 1 General View of the Site

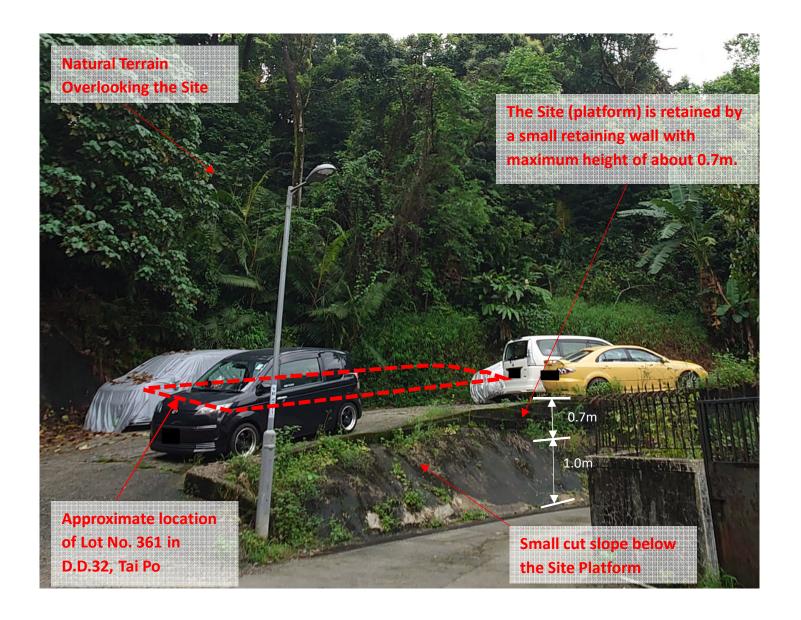


Plate 2 General View of the Site, the non-registered retaining wall and the cut slope

## **Proposed Natural Terrain Hazard Study Area**





**General view of the Natural Terrain above the Site** 

Plate 3 Natural Terrain Overlooking the Site

Appendix A

Incident Records

GEO Incident No.: 2020/07/2727



## GEOTECHNICAL ENGINEERING OFFICE LANDSLIDE INCIDENT REPORT

## GEO Incident No. 2020/07/2727

**ECC Ref:** 

## **PART 1 --- REGISTRATION**

The contents should be updated when further information is received (e.g. following site inspection) [Note 1.1]

(1.1) INCIDENT REPORTED TO GEO			
(1.1.1) Duplicate Incident No. (if any) [Note 1.1.1]			
(1.1.2) Location [Note 1.1.2] * (Confirmed with Police/FSD or GEO staff on site : Yes)			
下黃宜坳81號			
Co-ordinates of landslide Easting: 836244	Northing: <b>833528</b>		
(1.1.3) Nearby Lamp Post No.:			
(1.1.4) Feature No.	(1.1.5) District Council		
	Tai Po District		
(1.1.6) Report date [Note 1.1.6] *	(1.1.7) Report time [Note 1.1.7] *		
14/7/2020	09:20		
(1.1.8) Best Estimated Date and Time of	(1.1.9) 1823 Reference (if applicable) [Note 1.1.9]		
Incident [Note 1.1.8]	400 83300 A CONTRACTOR		
Here Orders and Street Control of the			
1.00			
Source of Incident Date and Time			
_	<u>konskýho sa taktick</u>		
(1.1.10) Reported by (Caller name) *	(1.1.11) Contact No. of caller *		
Ms.H Y LO	in the second se		
(1.1.12) Affiliation	(1.1.13) Affiliation remarks (if any)		
DLO	Leville of the Common Williams of the Common States		
(1.1.14) Incident Also Recorded in LandsD's	(1.1.15) Corresponding LandsD's Incident No.		
Emergency System? [Note 1.1.14]	[Note 1.1.14]		
No			

(1.2) TYPE OF INCIDENT
(1.2.1) Type of Incident
Slope Failure
(1.2.2) Remarks (e.g. Approximate dimensions / Volume of landslide)
Nil Remark

(1.3) CONSEQUENCE OF FAILURE (1.3.1) No. of deaths	(1.3.2) No. of injuries	
<b>0</b> persons	<b>0</b> persons	
(1.3.3) No. of road lanes closed [Note 1.3.3]	(1.3.4) No. of persons evacuated	
<b><u>0</u></b> of <b><u>0</u></b> Nos.	0 persons	
(1.3.5) Traffic disruption / impact details [Note 1.3.5]		

ECC Ref.:

GEO Incident No.: 2020/07/2727

## (1.4) FACILITIES AFFECTED OR THREATENED

(1.4.1) Facilities affected or threatened

## Open space

(1.4.2) Details (e.g. No. of buildings damaged / name of road sections blocked / road type under TD classification / type of Government premises, facilities or private utility services):

## **Nil Remark**

## (1.5) CLASSIFICAION OF INCIDENT (Highest genuine classification) [Note 1.5]

(1.5.1) Incident classified to be *

#### Minor

Updated upon inspection: No

Date:

Time:

by Name:

Post:

(1.5.2) Media attention [Note 1.5.2]

Nil

## (1.6) INITIAL ACTION TAKEN [Note 1.6]

(1.6.1) Action taken

## **GEO** inspection arranged

(1.6.2) LIN Wan Kwan, Carrie (Ms) has been assigned to inspect the incident

(1.6.3) Remarks

ı	11	7	DIGTDIGT	DIFORMATION
ı		./)	DISTRICT	INFORMATION

(1.7.1) District Division : ME

(1.7.2) District GE: LIN Wan Kwan, Carrie

(Ms)

#### (1.8) OTHER INFORMATION

(1.8.1) Incoming call received by

#### **District**

Name: LIN Wan Kwan, Carrie (Ms)

Post: **GE/ME23** 

Tel:_

(1.8.2) Registered by

#### **District GE**

Name: LIN Wan Kwan, Carrie (Ms)

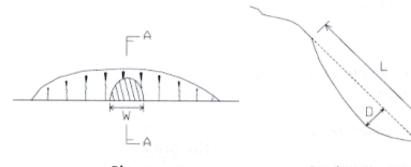
Post: GE/ME23

Tel:

## **PART 2 --- INSPECTION**

For serious incidents, the Inspection GE should provide information for completion of all key fields (item 2.7.1 and 2.8.1) marked with '*' and seek agreement from ETC/SGE(District)/Emergency Manager whoever is appropriate, before leaving the landslide site.

(2.1) DETAILS OF FIRST INSPECTION [Note 2.1]			
(2.1.1) GEO Inspection by	(2.1.2) Inspection date		
LIN Wan Kwan, Carrie (Ms)	17/7/2020		
(2.1.3) Time arrived on site	(2.1.4) Time left site		
11:15	11:30		
(2.1.5) With	(2.1.6) Contact No. (mobile)		
of			
(2.1.7) Weather condition at time of inspection	(2.1.8) Feature type		
Sunny	Disturbed terrain		

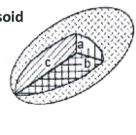


Plan

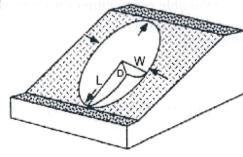
	Sect	n A -	A
--	------	-------	---

(2.1.9) Scar length (L) [Notes 2.1.9]	(2.1.10) Scar depth (D)
<b>4.00</b> m	<b>0.25</b> m
(2.1.11) Scar width (W)	(2.1.12) Volume of landslide debris [Notes 2.1.12]
<b>8.00</b> m	<b>4.000</b> m ³

(a) Ellipsoid



(b) Landslide



 $VOL_{ls} = \frac{4}{6} \pi a \cdot b \cdot c$  $= \frac{1}{6} \pi D \cdot W \cdot L$ 

Extracted from "Turner & Schuster (1996). <u>Landslides Investiagtion and Mitigation</u>. Transportation Research Board, Specical Report 247" Chapter 3 Landslide Types and Process, p36-71.

- (2.1.13) Media on site
- (2.1.14) Non-landslide Incident [Note 2.1.14]

No

GEO Incident No.: 2020/07/2727

(2.2) MATERIAL AND MASS DESCRIPTION OF THE EXPOSURE	
(2.2.1) Material and mass description of the exposure [refer to Geoguide 3 for soil/rock classification]	
Residual Soil	
(2.2.2) Detailed descriptions	

(2.3) BOULDER FALL CASES [Note 2.3]	
(2.3.1) Number of boulders involved	
(2.3.2) Dimensions of boulders	
G1	
Shape of boulders	

(2.4) MAN-MADE SLOPE FEATURE CAS	ES	
(2.4.1) Slope condition	(2.4.2) Locations of matters described in item 2.4.1	
(2.4.3) Capacity of surface drainage system	(2.4.4) Coverage of hard protection	
Not present	Not present	
(2.4.5) Surface protection material	(2.4.6) Field evidence of past instability at or	
vegetation	adjoining the failure location	
	No	
(2.4.7) Groundwater seepage observed at the	(2.4.8) Location of seepage / past instability	
failure location		
No		

(2.5) CAUSES OF FAILURE	
(2.5.1) Possible contributing causes	of failure
Geotechnical causes	Non-geotechnical causes
Infiltration	
(2.5.2) Remarks	

## (2.6) FURTHER DETAILS OF THE INCIDENT [Note 2.6]

GEO ECC 7

GEO Incident No.: 2020/07/2727 ECC Ref.:

#### (2.7) IMMEDIATE ADVICE GIVEN

(2.7.1) Immediate advice given [Note 2.7.1] *

Cordon off area in danger

Cover failure scar with tarpaulin properly secured against wind Provide hard surface protection (with weepholes) to trimmed failure surface Remove landslide debris which threatens life or property

(2.7.2) Responsible Works Department [Note 2.7.2]

Lands Department Slope Maintenance Section (SMS)

SMRIS (MR):

NPRS Score:

SC Nos.:

(2.7.3) Remarks

#### (2.8) EMERGENCY ACTION TAKEN

(2.8.1) Emergency action taken at Rescue Phase [Note 2.8.1] *

Emergency inspection by GEO completed and recommendation given

(2.8.2) Remarks

## (2.9) ADVICE ON SUBSEQUENT EMERGENCY WORKS / ACTIONS

(2.9.1) Subsequent advice given [Note 2.9.1]

NDC Cat 1 on squatter structures SC Nos.:

To allow re-occupation of property / re-opening of roads:

To complete recovery:

(2.9.2) Responsible Works Department [Note 2.9.2]

(2.9.3) Remarks

## (3.1) FEATURE REGISTRATION (to be completed by District GE / Technical Staff)

(3.1.1) Has the feature been registered?

No

(3.1.2) Was the feature registrable before failure? [refer to DEVB TC(W) No. 2/2018 for slope registration]

## (3.2) STATUS OF LANDSLIDE INCIDENT [Note 3.2]

(3.2.1) Status

Closed

## **ATTACHMENTS** Attachment Type # **Photo Location Plan** Attachment / Remarks CARRIE W K LIN, GE/ME23 Name in Block Letter, Post Information reviewed by: District GE CARRIE W K LIN (Name) CHRIS C W CHAN District SGE (Name) JENNY F YEUNG District CGE (Name)

c.c. STO(G)/ME2 - please update information in EILIS as necessary

# - Delete as appropriate (For significant and serious cases, plan and cross-section(s) of the landslide shall be prepared with Form ECC7 and uploaded to EILIS)

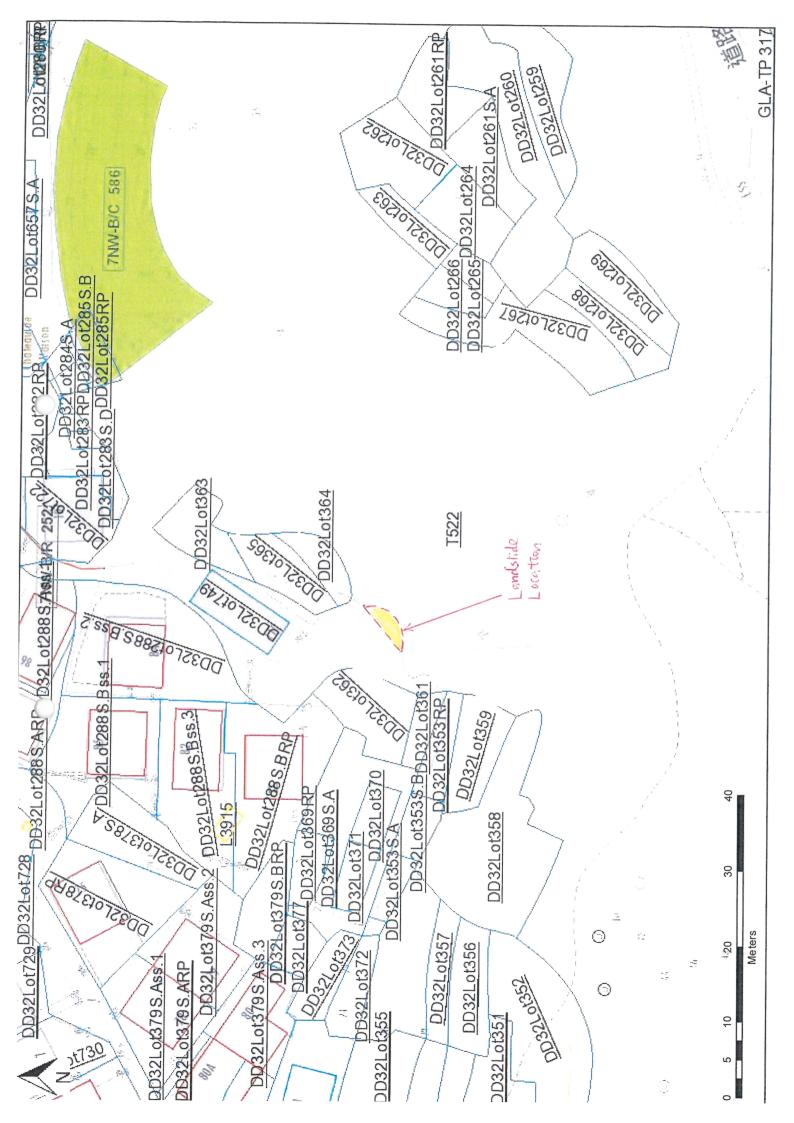




Photo 1



## Relevant Revised Interim Criteria for Consideration of Application for NTEH/Small House in New Territories (promulgated on 7.9.2007)

- (a) sympathetic consideration may be given if not less than 50% of the proposed NTEH/Small House footprint falls within the village 'environs' ('VE') of a recognized village and there is a general shortage of land in meeting the demand for Small House development in the "Village Type Development" ("V") zone of the village;
- (b) if more than 50% of the proposed NTEH/Small House footprint is located outside the 'VE', favourable consideration could be given if not less than 50% of the proposed NTEH/Small House footprint falls within the "V" zone, provided that there is a general shortage of land in meeting the demand for Small House development in the "V" zone and the other criteria can be satisfied;
- development of NTEH/Small House with more than 50% of the footprint outside both the 'VE' and the "V" zone would normally not be approved unless under very exceptional circumstances (e.g. the application site has a building status under the lease, or approving the application could help achieve certain planning objectives such as phasing out of obnoxious but legal existing uses);
- (d) application for NTEH/Small House with previous planning permission lapsed will be considered on its own merits. In general, proposed development which is not in line with the criteria would normally not be allowed. However, sympathetic consideration may be given if there are specific circumstances to justify the cases, such as the site is an infill site among existing NTEHs/Small Houses, the processing of the Small House grant is already at an advance stage;
- (e) an application site involves more than one NTEH/Small House, application of the above criteria would be on individual NTEH/Small House basis;
- (f) the proposed development should not frustrate the planning intention of the particular zone in which the application site is located;
- (g) the proposed development should be compatible in terms of land use, scale, design and layout, with the surrounding area/development;
- (h) the proposed development should not encroach onto the planned road network and should not cause adverse traffic, environmental, landscape, drainage, sewerage and geotechnical impacts on the surrounding areas. Any such potential impacts should be mitigated to the satisfaction of relevant Government departments;
- (i) the proposed development, if located within water gathering grounds, should be able to be connected to existing or planned sewerage system in the area except under very special circumstances (e.g. the application site has a building status under the lease or the applicant can demonstrate that the water quality within water

gathering grounds will not be affected by the proposed development[^]);

- (j) the provision of fire service installations and emergency vehicular access, if required, should be appropriate with the scale of the development and in compliance with relevant standards; and
- (k) all other statutory or non-statutory requirements of relevant Government departments must be met. Depending on the specific land use zoning of the application site, other Town Planning Board guidelines should be observed, as appropriate.
- ^i.e. the applicant can demonstrate that effluent discharge from the proposed development will be in compliance with the effluent standards as stipulated in the Water Pollution Control Ordinance Technical Memorandum.

# Extract of Town Planning Board Guidelines for Application for Development within "GB" zone under Section 16 of the Town Planning Ordinance

- (a) there is a general presumption against development in the "GB" zone;
- (b) an application for new development in "GB" zone will only be considered in exceptional circumstances and must be justified with very strong planning grounds. The scale and intensity of the proposed development including the plot ratio, site coverage and building height should be compatible with the character of surrounding areas;
- (c) applications for New Territories Exempted Houses with satisfactory sewage disposal facilities and access arrangements may be approved if the application sites are in close proximity to existing villages and in keeping with the surrounding uses, and where the development is to meet the demand from indigenous villagers;
- (d) the design and layout of any proposed development should be compatible with the surrounding area. The development should not involve extensive clearance of existing natural vegetation, affect the existing natural landscape, or cause any adverse visual impact on the surrounding environment;
- (e) the proposed development should not overstrain the capacity of existing and planned infrastructure such as sewerage, roads and water supply. It should not adversely affect drainage or aggravate flooding in the area;
- (f) the proposed development should not overstrain the overall provision of Government, Institution and Community (G/IC) facilities in the general area;
- (g) the proposed development should not be susceptible to adverse environmental effects from pollution sources nearby such as traffic noise, unless adequate mitigating measures are provided, and it should not itself be the source of pollution; and
- (h) any proposed development on a slope or hillside should not adversely affect slope stability.

# Appendix IV of RNTPC Paper No. A/TP/692A

# Similar Applications within the same "GB" zone in the Vicinity of the Site on Tai Po Outline Zoning Plan

## **Approved Applications**

Application No.	Proposed Development	Date of Consideration
A/TP/687	Proposed House (New Territories Exempted House)	14.7.2023
A/TP/691	Proposed House (New Territories Exempted House)	8.12.2023

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	A/TP/692 DD 32 Ha Wor 06/02/2024 03:05	ng Yi Au		

From:

To: Sent by: "tpbpd" <tpbpd@pland.gov.hk> tpbpd@pland.gov.hk

File Ref:

A/TP/692

Lots 353 RP (Part) and 361 in D.D. 32, Ha Wong Yi Au, Tai Po

Site area: 41.9sq.m

Zoning: "Green Belt"

Applied development: Net House

Dear TPB Members,

Strong Objections, no part of the lot is in "V" zone and there is sufficient land to meet demand for NET houses.

It is clear from the plan that this application demonstrates further encroachment into 'GB' that should not be accommodated.

Mary Mulvihill

FI.1 2

## 致城市規劃委員會秘書

專人送遞或郵遞:香港北角渣華道333號北角政府合署15樓

傳真: 2877 0245或2522 8426 電郵: tpbpd@pland.gov.hk

To: Secretary, Town Planning Board

By hand or post: 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong

By Fax: 2877 0245 or 2522 8426 By e-mail: tpbpd@pland.gov.hk

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#### **Advisory Clauses**

- (a) to note the comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD) that:
  - (i) no existing / planned DSD's stormwater and sewerage facilities would be affected by the proposed NTEH development at the moment;
  - (ii) public sewers exist along Wong Yi Au Road, these public sewers will be extended under "Contract No. DC/2019/13 Tolo Harbour Sewerage of Unsewered Areas, Stage 2 Phase 2" into Ha Wong Yi Au to serve the existing village houses therein;
  - (iii) the cost and work of stormwater and sewerage connection as well as future maintenance responsibility shall be borne by the applicant;
  - (iv) stormwater drainage proposal demonstrating stormwater drainage collection and disposal facilities of adequate flow capacity already exist/to be provide can deal with surface runoff within the lots or flow from adjacent areas including overland flow. The applicant shall effect the necessary modification/ upgrading work of downstream drainage system; and
  - (v) the applicant shall resolve any conflict/ disagreement with relevant lot owner(s) and seek Lands Department (LandsD)'s permission for laying new drains/ channels and/or modifying/ upgrading existing ones on other private lot(s) or on government land (where required) outside the application site;
- (b) to note the comments of the Director of Fire Services (D of FS) that the applicant should observe 'New Territories Exempted Houses A Guide to Fire Safety Requirements' published by the LandsD. Detailed fire safety requirements will be formulated upon receipt of formal application referred by LandsD;
- (c) to note the comments of the Chief Engineer/Construction, Water Supplies Department (CE/C, WSD) that for provision of water supply to the development, the applicant may need to extend his inside services to the nearest suitable government water mains for connection. The applicant shall resolve any land matter (such as private lots) associated with the provision of water supply and shall be responsible for the construction, operation and maintenance of the inside services within the private lot to WSD's standards; and
- (d) to note that the permission is only given to the development under application. If provision of an access road is required for the proposed development, the applicant should ensure that such access road (including any necessary filling/excavation of land) complies with the provisions of the relevant statutory plan and obtain planning permission from the Town Planning Board where required before carrying out the road works.