

Our Ref. : DD125 Lot 1373 & VL : TPB/A/YL-HTF/1183 Your Ref.

The Secretary, Town Planning Board, 15/F, North Point Government Offices, 333 Java Road, North Point, Hong Kong

By Email

9 January 2025

Dear Sir,

Supplementary Information

Proposed Temporary Warehouse for Storage of Construction Materials and Construction Machinery, Parking of Special Purpose Vehicles and Rural Workshop with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land, Filling of Pond and Excavation of Land in "Green Belt" Zone and Area Shown as 'Road', Various Lots in D.D. 125 and Adjoining Government Land, Ha Tsuen, Yuen Long, New Territories

(S.16 Planning Application No. A/YL-HTF/1183)

We are writing to submit supplementary information for the subject application, details are as follows:

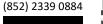
Replacement pages

- Replacement pages of the submitted documents are provided, details are listed below:
 - Application form and planning statement (Appendix I)
 - Replacement pages of summary of the affected business premises, details of original premises and authorization letters (Appendix II)
 - Revised land survey plan (Appendix III)
 - Replacement pages of Drainage Impact Assessment, Tree Preservation and Landscape Proposal and Fire Service Installations Proposal (Appendices IV to VI)
 - Revised Plans (**Plans 1, 4** to **6, 12** and **15**)

The proposed development is intended to fully relocate the applicant's affected business premises in Hung Shui Kiu (HSK)

(ii) In 2022 and 2024, two planning applications (Nos. A/YL-HTF/1133 and 1166), which were submitted by the same applicant under the current application, were approved by the Board with policy support to facilitate the relocation of the affected premises of 5 existing operators in HSK. However, after the land survey conducted by the applicant in September 2024, there is insufficient site area reserved for Kanson Crane & Heavy Transport Company Limited and Chicardo Investment Limited (i.e. Tenants B







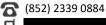
and C under the current application) due to the result of actual land survey (Appendix III). Furthermore, the applicant's remaining affected business premises in HSK (i.e. Tenant A: Vanquish Engineering and Transportation Limited) was resumed by the Government to facilitate the implementation of Hung Shui Kiu/Ha Tsuen New Development Area (HSK/HT NDA) in August 2024. Therefore, the current applicant is intended to facilitate full relocation of the applicant's affected business's premises, as well as to compensate the reduced usable site area for the relocated operation of two tenants under the previously approved applications (Nos. A/YL-HTF/1133 and 1166). The applicant will strictly follow the proposed scheme, and no additional relocation site is anticipated.

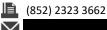
The relocation of the applicant's affected business premises

(iii) The applicant's original business premises under the current application are still operating their business in Hung Shui Kiu until the concerned parcel of land are fully resumed and reverted the Government to facilitate the implementation of the development of HSK/HT NDA. Although the Site (i.e. 41,569 m²) is larger than the affected business premises combined in HSK (i.e. about 38,471 m²), a significant portion of the Site is intended to reserve as landscaping area (i.e. 4,857m²), internal road network and a proposed road connecting the Site to the nearby local access (i.e. 5,025 m²). Since the applied uses mainly involve 'warehouse', 'parking' and 'rural workshop' operations, particularly related to logistic and storage activities, often involve large-scale production processes. These operations require adequate open space to accommodate machinery, equipment, parking and loading/unloading facilities. Therefore, the Site with a large open area allows for the efficient layout and organization of these components. In addition, the proposed development requires specialized facilities in support of the daily operations (i.e. drainage facilities and fire service installations), having a larger space allows for the incorporation of these specialized facilities to support the operational needs.

Operational details of the proposed workshop activities

(iv) The proposed repair workshop, which primarily includes servicing, minor repairs and replacement of machinery parts, is intended to support the proposed warehouse and parking of special purpose vehicles within the Site. No heavy manufacturing or production activities will take place at the Site. All workshop activities will take place within enclosed structures with sufficient soundproofing measures and air ventilation systems to minimize potential noise, dust and air nuisances during the operation. The applicant will strictly follow the 'Code of Practice on Handling the Environmental Aspects of Temporary Uses and Open Storage Sites' issued by Environmental Protection Department (EPD) to minimise adverse environmental impacts and nuisance to the surrounding area.





Should you require more information regarding the application, please contact our Mr. or the undersigned at your convenience.

Thank you for your kind attention.

Yours faithfully,

For and on behalf of

R-riches Property Consultants Limited



Town Planner

cc DPO/TMYLW, PlanD

(Attn.: Ms. Jessie KWOK

email: jmhkwok@pland.gov.hk)









_	osed operating hours nday to Saturday fro			o operation on Sunday a	and public holiday	
(d)	Any vehicular acce the site/subject build 是否有車路通往地 有關建築物?	ess to ing? Z盤/	es 是 In	appropriate) 有一條現有車路。(請 e southern portion is accessib There is a proposed acce	access. (please indicate the 註明車路名稱(如適用)) ble from Kong Sham Western Hig ess. (please illustrate on plans 青在圖則顯示,並註明車路	ghway via a local access. and specify the width)
(e)	• •	nent Propos use separate for not pro	sal 擬議员 e sheets to oviding suc	indicate the proposed mea	sures to minimise possible ac ,請另頁註明可盡量減少可	
(ii)	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? 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 No 否 Yes 是	✓ (Please diversing (請用地範圍) □ Di ☑ Fi An □ Do ☑ Fi An □ Do ☑ Fi An □ Do ☑ An	on, the extent of filling of land/p 也盤平面圖顯示有關土地/池塊 iversion of stream 河道改 lling of pond 填塘 rea of filling 填塘面積 epth of filling 填塘深度. lling of land 填土 rea of filling 填土面積 epth of filling 填土面積	ndary of concerned land/pond(s), ond(s) and/or excavation of land) 唐界線,以及河道改道、填塘、填三道 6,513 sq.m 平方升 not more than 4.1. m 米	上及/或挖土的細節及/或
(iii)	Would the development proposal cause any adverse impacts? 擬議發展計劃會否造成不良影響?	On traffic On water On draina On slopes Affected I Landscap Tree Felli Visual Im	supply 對 ige 對排水 s 對斜坡 by slopes e Impact 标 ing 砍伐 ipact 構成	供水 受斜坡影響 構成景觀影響 樹木	Yes 會 □	No 不會 I No 不會 I

Proposed Temporary Warehouse for Storage of Construction Materials and Construction Machinery, Parking of SPV and Rural Workshop with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land, Filling of Pond and Excavation of Land in "GB" Zone and Area shown as 'Road', Various Lots in D.D. 125 and Adjoining GL, Ha Tsuen, Yuen Long, N.T.

	Tenaı	nt B									
B4	Special Purpose Vehicle Repair	888m²	888m²								
D4	Workshop	(about)	(about)								
B5	Warehouse for Storage of Construction Materials and Machineries	726m² (about)	726m² (about)	8m (about) 1-storey							
	Tenant C										
B6	Construction Machinery Repair	554m ²	554m²								
ВО	Workshop	(about)	(about)	8m (about)							
В7	Warehouse for Storage of Construction Materials and Machineries and Office	1,778m² (about)	1,778m² (about)	1-Storey							
	Total	11,299m² (about)	11,299m² (about)	-							

5.3 Since the Site is located in close vicinity of some slopes, a "no-build" zone as designated by the Geotechnical Engineering Office of the Civil Engineering and Development Department is illustrated at the layout plan (Plan 11). No structure or critical facilities will be erected within the designated "no-build" zone to ensure that no adverse geotechnical issue will be generated from the proposed development (Plan 11).

Filling of Land/Pond and Excavation of Land at the Site

- In view of the existing topographic profile of the Site as being a sloping land ranging from 5.4 +17.9mPD at the northeast to +29.1mPD at the southwest of the Site, filling of land, filling of pond and excavation of land are required to be carried out for the majority of the Site, in order to facilitate a flat surface to meet operational needs (Plan 15). The northeast portion of the Site (i.e. about 22,068m²) will be filled with soil and concrete of not more than 4.1m while the existing 1m deep dried pond (i.e. about 658m²) within the Site will also be filled with soil and concrete to the surrounding site levels (i.e. +23.0mPD) in order to facilitate a flat ground surface (Plans 14 and 15). The southwest portion of the Site (i.e. about 13,986m²) will be excavated to a depth of not more than 3.1 m and then filled with concrete to a depth of not more than 0.2m. The proposed site levels of the southern portion range from +25mPD to +26.0mPD. Site levels of the proposed filling and excavation works already included 0.2m of concrete over the soil area to facilitate a solid surface for site formation of structure, parking of SPV and circulation purposes. Therefore, filling of land is proposed to be carried out for the majority of the Site (i.e. 36,054m²). The remaining area (i.e. 4,857m²) will be reserved as landscaping area for healthy tree growth within the Site. In addition, according to the aerial photos taken on 18/8/1990 by Survey and Mapping Office, Lands Department, about 5,855m² of the Site was found as ponds. The current application serves to regularise the filled pond area to facilitate the proposed development.
- 5.5 As heavy loading of structures and vehicles would compact the existing soiled ground, concrete site formation is required to support the operational needs and the extent of filling and



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Summary of the Affected Business Premises in Hung Shui Kiu

		Details o	f the Affected Business Premises for Relocation						
(a)	Affected Business Premises	Tenant A	Tenant B	Tenant C					
(1.)	No. 10 Control	韋竣工程運輸有限公司	力營重運有限公司	志昂投資有限公司	Total				
(b)	Name of Premises	Vanquish Engineering and Transportation Limited	Kanson Crane & Heavy Transport Company Limited	Chicardo Investment Limited					
				Lots 3321, 3322, 3400 (Part), 3401 (Part), 3402					
				(Part), 3403 (Part), 3404 (Part), 3405 (Part), 3406					
			Lots 3370 (Part), 3371 (Part), 3372 (Part), 3373 (Part),	(Part), 3407 (Part), 3409 (Part), 3410 (Part), 3411					
	Location of the Original	Lots 3934 RP (Part) in D.D. 124, Hung Shui Kiu, Yuen	3374 (Part), 3375 (Part), 3376 (Part), 3377 (Part), 3378	(Part), 3412 (Part), 3413 (Part), 3414 RP (Part),					
c)	Premises	Long, New Territories*	(Part), 3379 (Part), 3380, 3381 (Part), 3382 (Part), 3383	3415 (Part), 3416 RP (Part), 3419, 3420 RP (Part),					
			(Part) and 3384 (Part) in D.D. 124, Hung Shui Kiu, Yuen	3433 RP (Part), 3435 (Part), 3436, 3437 (Part), 3438					
			Long, New Territories*	(Part) and 3440 (Part) in D.D. 124 and Adjoining					
				Government Land, Hung Shui Kiu, Yuen Long, New					
		Territories*							
d)	Outline Zoning Plan	Appro	oved Hung Shui Kiu and Ha Tsuen Outline Zoning Plan No. S/H	ISK/2					
۵)	Zoning	"Government, Institution or Community" and	"Commercial (1)" and "Open Space"	"Commercial (2)", "Open Space", "Open Space (1)"					
e)	Zoning	area shown as 'Road'	Commercial (1) and Open Space	and area shown as 'Road'					
f)	Occupation Period	From Sep 2016 to Aug 2024	From Jun 2008 to Jul 2024	From Nov 2015 to Oct 2024					
g)	Area of Original Premise	9,290 m² (about)	10,266 m² (about)	18,915 m² (about)	N/A				
		Open Storage of Construction Materials and	Open Storage of Construction Materials and Machinery	Open Storage of Construction Materials and					
h)	Use of Original Premises	Machinery	and Storage of Tools and Parts, Parking and Repairing of	Machinery and Equipment and Repairing of					
		Wacililei y	Special Purpose Vehicle	Construction Machinery					
		1 st Attempt in Relocation in <u>2022</u> u	nder S.16 Planning Application No. (A/YL-HTF/1133) ¹						
(i)	Location of the Relocation Site	N/A	Various Lots in D.D. 128 and Adjoining Governmen	t Land, Ha Tsuen, Yuen Long, New Territories					
(j)	Proposed Area for Relocation	IVA	11,783m² (about)	15,180m² (about)					
		2 nd Attempt in Relocation in <u>2024</u> u	under S.16 Planning Application (No. A/YL-HTF/1166)						
(14)	Location of the Relocation Site		Various Lots in D.D. 128 and Adjoining Governmen	t Land, Ha Tsuen, Yuen Long, New Territories					
(k)	Location of the Relocation Site		(excluded Various Lots in D.D.128 an	d some non-developable area)					
<mark>(I)</mark>	Proposed Area for Relocation	N/A	11,783m² (about)	15,180m² (about)					
(m)	Actual Area for Relocation		Insufficient space for relocation after detailed land survey	14,867m ²					
(****)	Actual Area for Relocation		wase carried out by the applicant ²	(only portion of the original premises were able to be					

¹ The 5 existing operators under planning applications (Nos. A/YL-HTF/1133 and 1166) are: Tenant A: 森記五金有限公司, affected site area: 27,176m²; Tenant B: 志昂投資有限公司, affected site area: 18,915m²; Tenant C: 新車場有限公司, affected site area: 18,581m²; Tenant B: 也豐喉業有限公司, affected site area: 14,363m²; and Tenant E: 力營重運有限公司, affected site area: 10,266m².

² After land survey conducted by the applicant in September 2024, a total of 54,544m² is utilized by the affected premises under planning application (No. A/YL-HTF/1166). Yet, there is insufficient site area reserved for Tenant E (i.e. 力營重運有限公司 under planning applications (Nos. A/YL-HTF/1133 and 1166), the proposed development is intended to relocate Tenant E to the Site (i.e. Tenant B under the current application) to facilitate the affected business premises relocation. Please refer to **Appendix III** for details.



Proposed Temporary Warehouse for Storage of Construction Materials and Construction Machineries, Parking of Special Purpose Vehicles and Rural Workshop with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land, Filling of Pond and Excavation of Land in "Green Belt" Zone and Area shown as 'Road', Various Lots in D.D. 125 and Adjoining Government Land, Ha Tsuen, Yuen Long, New Territories

				relocated to the application site of A/YL-HTF/1166. The remaining $4,048m^2$ is proposed to be relocated to the Site.) ³					
		Curi	rent Application						
(n)	Location of the Relocation Site Various Lots in D.D. 125 and Adjoining Government Land, Ha Tsuen, Yuen Long, New Territories								
(o)	Outline Zoning Plan	Approved Ha Tsuen Fringe Outline Zoning Plan No. S/YL-HTF/12							
(p)	Proposed Area for Relocation	13,838 m² (about)	13,032 m² (about)	4,817 m² (about) (the remaining area of the original premises that were <u>not</u> able to be relocated to A/YL-HTF/1166)	31,687 m² (about)				
(q)	Area Reserved as Road and Landscaping Area								
(r)	Total Application Site Area (o) + (p)		41,569 m² (about)						

³ After land survey conducted by the applicant in September 2024, about 14,867m² of the site area is occupied by Tenant B of the affected business premises (i.e. 志昂投資有限公司) under application No. A/YL-HTF/1166, which is 4,048m² lesser than the original premises in Hung Shui Kiu (i.e. 18,915m²). The current application serves to relocate the remaining 4,048m² area to the Site (i.e. Tenant C).



受新發展區發展影響的在地經營業務搬遷 - 規劃許可申請

豐上有限公司 與 力營重運有限公司 營運聲明書

經詳細的土地測量後,由於規劃申請編號:A/YL-HTF/1166的土地限制及營運需要,以致<u>力營</u> **重運有限公司(甲方)** 未能在規劃申請編號:A/YL-HTF/1166的規劃許可中分配到合適的土地作業務 搬遷。

For and on behalf of KANSON CRANE SERVICE CO., LTD.

Authorized Signature

力營重運有限公司 (甲方) 業務經營者簽署 Business Operator Signiture For and on behalf of FIRST CHAMPION LIMITED 上有限公司

豐上有限公司 (乙方)

申請人簽署 Applicant's Signature

> 2024 年 12 月 3日 3 December 2024

Authorized Signature(s)

規劃申請意向書

受新發展區發展影響的在地經營業務搬遷 - 規劃許可申請

業務經營者		力營重運有限公司	
(甲方)		Kanson Crane Service Company Limited	
商業登記證書號碼	:		
申請人 (乙方)		豐上有限公司 First Champion Limited	
公司註冊證明號碼			

丈量約份第 125 約地段第 1366 號(部分)、第 1373 號、第 1374 號、第 1375 號、第 1376 號、第 1377 號、第 1378 號(部分)、第 1380 號(部分)、第 1381 號、第 1382 號(部分)、第 1383 號、第 1384 號、第 1385 號、第 1386 號、第 1387 號(部分)、第 1389 號、第 1390 號(部分)、第 1391 號(部分)、第 1392 號(部分)、第 1393 號(部分)、第 1395 號(部分)、第 1396 號、第 1397 號(部分)、第 1398 號 A 分段、第 1398 號 B 分段、第 1399 號 B 分段(部分)、第 1401 號(部分)、第 1402 號、第 1403 號、第 1414 號、第 1415 號、第 1417 號

和毗鄰政府土地作「擬議臨時倉庫存放建築材料及建築機械、特別用途車輛停車場及鄉郊工場連附屬設施(為期 3 年)及相關填土、填塘及挖土工程 *」。*

備注: 上述標題地段將會因應規劃許可的需要而有所修訂。

For and on behalf of KANSON CRANE SERVICE CO., LTD.

Authorized Signature

力營重運有限公司 (甲方) 業務經營者簽署

Business Operator Signiture

For and on behalf of FIRST CHAMPION LIMITED 豐上有限公司

Aythorized Signature(s) 豐上有限公司 (乙方)

申請人簽署 Applicant's Signature

> 2024 年 12 月 3日 3 December 2024

規劃申請意向書

受新發展區發展影響的在地經營業務搬遷 - 規劃許可申請

業務經營者 (甲方)		韋竣工程運輸投資有限公司 Vanquish Engineering and Transportation Limited
商業登記證書號碼	:	
申請人		豐上有限公司
(乙方)		First Champion Limited
公司註冊證明號碼		

韋竣工程運輸有限公司(甲方)為洪水橋新發展區範圍內的業務經營者,由於受到政府洪水橋新發展區收地影響,因此,需要覓地搬遷以繼續經營。**韋竣工程運輸有限公司(甲方)**初步與**豐上有限公司(乙方)**達成共識,同意**豐上有限公司(乙方)**作為規劃申請的申請人,向城市規劃委員會提交規劃申請,於以下地段:

丈量約份第 125 約地段第 1366 號(部分)、第 1373 號、第 1374 號、第 1375 號、第 1376 號、第 1377 號、第 1378 號(部分)、第 1380 號(部分)、第 1381 號、第 1382 號(部分)、第 1383 號、第 1384 號、第 1385 號、第 1386 號、第 1387 號(部分)、第 1389 號、第 1390 號(部分)、第 1391 號(部分)、第 1392 號(部分)、第 1393 號(部分)、第 1395 號(部分)、第 1396 號、第 1397 號(部分)、第 1398 號 A 分段、第 1398 號 B 分段、第 1399 號 A 分段(部分)、第 1399 號 B 分段(部分)、第 1401 號(部分)、第 1402 號、第 1403 號、第 1414 號、第 1415 號、第 1417 號

和毗鄰政府土地作「擬議臨時倉庫存放建築材料及建築機械、特別用途車輛停車場及鄉郊工場連附屬設施(為期 3 年)及相關填土、填塘及挖土工程 *」。*

備注: 上述標題地段將會因應規劃許可的需要而有所修訂。

中域 工程運輸 有限公司

章竣工程運輸有限公司 (甲方) 業務經營者簽署 Business Operator Signiture For and on behalf of
FIRST CHAMPION LIMITED

型上有限公司

Authorized Signature(s)

型上有限公司(乙方)

申請人簽署 Applicant's Signature

> 2024 年 12 月 3日 3 December 2024

規劃申請意向書 受新發展區發展影響的在地經營業務搬遷 - 規劃許可申請

業務經營者		志昂投資有限公司	
(甲方)		Chicardo Investment Limited	
商業登記證書號碼	:		
申請人		豐上有限公司	
(乙方)	سيطانون المنافقة	First Champion Limited	
公司註冊證明號碼			

志昂投資有限公司(甲方)為洪水橋新發展區範圍內的業務經營者·由於受到政府洪水橋新發展區收地影響·因此·需要覓地搬遷以繼續經營。<u>志昂投資有限公司(甲方)</u>初步與<u>豐上有限公司(乙方)</u>達成共識·同意 豐上有限公司(乙方)_作為規劃申請的申請人·向城市規劃委員會提交規劃申請·於以下地段:

丈量約份第 125 約地段第 1366 號(部分)、第 1373 號、第 1374 號、第 1375 號、第 1376 號、第 1377 號、第 1378 號(部分)、第 1380 號(部分)、第 1381 號、第 1382 號(部分)、第 1383 號、第 1384 號、第 1385 號、第 1386 號、第 1387 號(部分)、第 1389 號、第 1390 號(部分)、第 1391 號(部分)、第 1392 號(部分)、第 1393 號(部分)、第 1395 號(部分)、第 1396 號、第 1397 號(部分)、第 1398 號 A 分段、第 1398 號 B 分段、第 1399 號 A 分段(部分)、第 1399 號 B 分段(部分)、第 1401 號(部分)、第 1402 號、第 1403 號、第 1414 號、第 1415 號、第 1417 號

和毗鄰政府土地作「擬議臨時倉庫存放建築材料及建築機械、特別用途車輛停車場及鄉郊工場連附屬設施(為期 3 年)及相關填土、填塘及挖土工程 $_{j}$ 。

備注: 上述標題地段將會因應規劃許可的需要而有所修訂。

志昂投資有限公司 (甲方)

ES

志昂投資

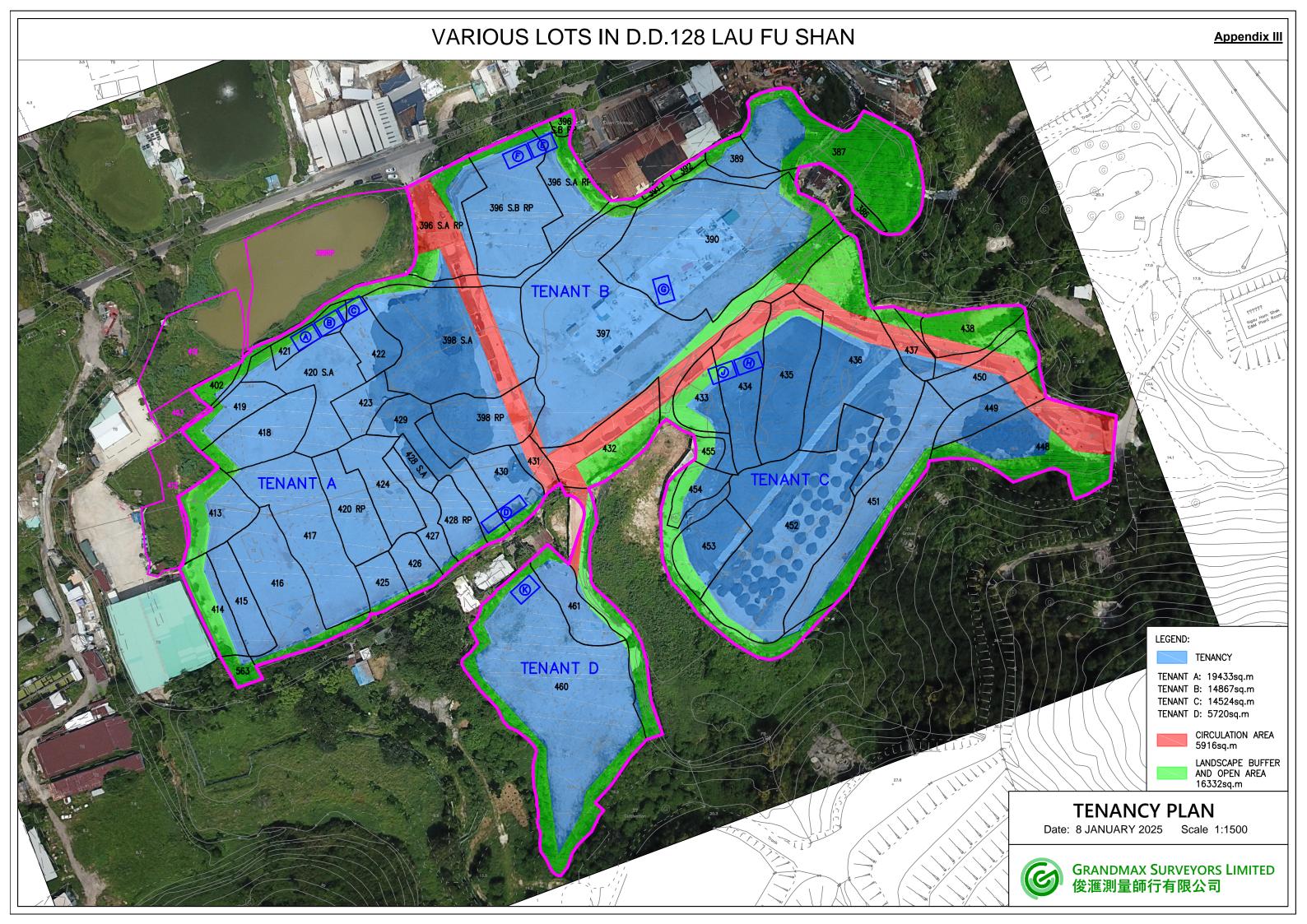
業務經營者簽署 Business Operator Signiture For and on behalf of FIRST CHAMPION LIMITED 豊上有限公司

Authorized Signature(s)

豐上有限公司 (乙方)

申請人簽署 Applicant's Signature

> 2024 年 12 月 3日 3 December 2024



Proposed Temporary Warehouse for Storage of Construction Materials and Machineries, Parking of Special Purpose Vehicles and Rural Workshop with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land, Filling of Pond and Excavation of Land, Various Lots in D.D. 125 And Adjoining Government Land, Ha Tsuen, Yuen Long, New Territories

1 Project Background

1.1 Introduction

- 1.1.1 The Applicant intends to develop a temporary warehouse for storage of construction materials and construction machinery, parking of special purpose vehicle and rural workshop with ancillary facilities for a period of 3 years and associated filling of land and pond, and excavation of land at various lots in D.D. 125 and adjoining Government Land in Ha Tsuen, Yuen Long, New Territories.
- 1.1.2 According to the Approved Ha Tsuen Fringe Outline Zoning Plan ("OZP") No. S/YL-HTF/12, the application site currently falls within "Green Belt" ("GB") zone. A planning permission for the proposed temporary warehouse, parking of special purpose vehicle and rural workshop, as well as the proposed filling of land, filling of pond and excavation of land, are required on application to the Town Planning Board ("TPB") under Section 16 of the Town Planning Ordinance.
- 1.1.3 In order to assess possible drainage impact may be generated from the proposed development, a Drainage Impact Assessment ("DIA") is conducted to support this Section 16 planning application.
- 1.1.4 A previous submission under our letter under application No. A/YL-HTF/1168 was submitted and no comment reply was received from DSD in June 2024. This revision is prepared mainly for the updated layout plan and revised landscape area. The changes in the proposed site condition would be further discussed in Section 5 in this report.
- 1.2 Objective of the Assessment
- 1.2.1 The objectives of this DIA are to assess the potential drainage impact that may be generated from the proposed development and recommend the mitigation measures, if necessary, to alleviate the impacts.

Proposed Temporary Warehouse for Storage of Construction Materials and Machineries, Parking of Special Purpose Vehicles and Rural Workshop with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land, Filling of Pond and Excavation of Land, Various Lots in D.D. 125 And Adjoining Government Land, Ha Tsuen, Yuen Long, New Territories

2 Site Description

- 2.1 Description of Existing Environment
- 2.1.1 The area of the application site is about 41,569m² and is located at Ha Tsuen, Yuen Long District. Existing site levels ranging from +17.9mPD to +29.1mPD.
- 2.2 Existing Baseline Conditions
- 2.2.1 According to the site inspection conducted in September 2023, the site is currently a vacant land overgrown with weeds and different tree groups. Moreover, several ditches/watercourses were found next to the Site, which are connected to surrounding catchments to South China Sea. The location of the Site is shown on Drawing No. PLAN 1 in Appendix A.
- 2.3 Proposed Development Scheme
- 2.3.1 The site is proposed to be a temporary warehouse for storage of construction materials and machineries, parking of special purpose vehicles and rural workshop with ancillary facilities for a period of 3 years and associated filling of pond/land and excavation of land. A proposed master layout plan with Drawing No. PLAN 11 is enclosed in **Appendix A**.
- 2.3.2 The following uses or facilities will be provided:
 - Warehouse for Storage of Construction Materials;
 - Warehouse for Storage of Construction Machinery;
 - Construction Machinery Repair Workshop;
 - Special Purpose Vehicle Repair Workshop;
 - Office

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3.1.4 The Brandsby William's Equation is used to determine the time of concentration etc.

$$t_o = 0.14465L/(H^{0.2}A^{0.1})$$

Where t_0 = time of concentration of a natural catchment (min.);

A = catchment area (m^2);

H = average slope (m per 100m), measured along the line of natural flow, from the summit of the catchment to the point under consideration;

 L = distance (on plan) measured on the line of natural flow between the summit and the point under consideration (m)

3.1.5 The Manning's Equation is used to determine the capacity of U-channel and Stream:

$$V = \frac{R^{\frac{1}{6}}}{n} \sqrt{Rs}$$

where V = mean velocity (m/s)

R = hydraulic radius (m)

n = Manning coefficient (s/m^{1/3})

s = hydraulic gradient (energy loss per unit length due to friction)

3.1.6 The application site is proposed to be temporary warehouse for storage of construction materials and machineries, parking of special purpose vehicles and rural workshop with ancillary facilities for a period of 3 years and associated filling of pond/land and excavation of land. Rainfall increase due to climate change is not adopted in the runoff assessment in **Appendix B**.

Runoff Estimation

Rational method is used for calculation of the peak runoff. The formula is extracted from Section 7.5.2 (a) of SDM. The parameters and assumptions refer to section 3.

The local upstream catchment comprises mainly naturally vegetated hillsides; C = 0.25 The existing site comprises mainly steep vegetated soil; C = 0.25 The Proposed Site comprise Heavy Goods Vehicle Parking Space (Concrete Paved Area (Impervious); C = 0.95

Area of the Development Site = 41,569 m²
Area of the local upstream catchment = 614983 m²
The Site is proposed to be "Proposed Temporary Wareho

so check the Existing Site	•		· 			I	I		I	I	I		
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 yea Total runof (L/min
41569	535	29.7	17.9	2.21	22.81	22.81	HKO headquarters	0.25 0.95	41569 0	151.98 151.98	0.44	0.439	26345
Proposed Si	te Catchme	ent (B1)					!		-				
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 yea Total runof (L/min
41569	535	26	22	0.75	28.32	28.32	HKO headquarters	0.25 0.95	0 41569	142.21 142.21	0.00 1.56	1.561	93674
External Cat	chment (C:	1)				I		0.55	1 41000	142.21	1.50		
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 yea Total runof (L/min
61330	395	25	22	0.76	20.05	20.05	HKO headquarters	0.25 0.95	61330 0	158.03 158.03	0.67 0.00	0.674	40415
Existing Site	Catchmen	it (A1) + E	xternal Ca	tchment (C1)		•							
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
102899	535	26	22	0.75	25.86	25.86	HKO headquarters	0.25 0.95	102899	146.25 146.25	1.05 0.00	1.046	62754
Proposed Sit	te Catchme	ent (R1) +	External (Catchment (C1)	1		0.00		140.20	0.00		
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
102899	535	26	22	0.75	25.86	25.86	HKO headquarters	0.25 0.95	61330 41569	146.25 146.25	0.62 1.61	2.229	133737
	l		ı			1	1	0.00	1 11000	140.20	1.01		l
Existing Site	Catchmen	t (A1) + E	xternal Ca	tchment (C1)	+ The Local U	ostream (Catchment (D1)						
	Flow			Gradient	to (min) =	tc =			Total	50 year	50 year	50 year	50 yea

Catchment (m²)	Flow Distance (m)	Highest (mPD)		Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
911276	1473	307.7	22	19.40	29.85	29.85	HKO headquarters	0.25 0.95	911276 0	139.89 139.89	8.86 0.00	8.860	531597

Proposed Si	<u>te Catchme</u>	ent (B1) +	External C	Catchment (C1	<u>) + The Local L</u>	<u>Jpstream</u>	Catchment (D1)						
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
911276	1473	307.7	22	19.40	29.85	29.85	HKO headquarters	0.25	864827	139.89	8.41	9.944	596649
			l			l	'	0.95	41569	139.89	1.54		

Runoff Estimation of the U-channels

Rational method is used for calculation of the peak runoff. The formula is extracted from Section 7.5.2 (a) of SDM. The parameters and assumptions refer to section 3.

The local upstream catchment comprises mainly naturally vegetated hillsides; C = 0.25

The existing site comprises mainly steep vegetated soil; C = 0.25

The Proposed Site comprise Heavy Goods Vehicle Parking Space (Concrete Paved Area (Impervious); C=0.95

The Site is proposed to be "Proposed Temporary Warehouse for Storage of Construction Materials and Machineries, Parking of Special Purpose Vehicles and Rural Workshop with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land, Filling of Pond and Excavation of Land", so check the 1 in 50-year Scenario.

Natural Catchment (A) + Site Catchment (A)

Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
44682	412	25	23	23 0.49	23.60	23.60	3.60 HKO headquarters –	0.25	37644	150.41	0.39	0.673	40384
74002	412	2 25	25 25			23.00		0.95	7038	150.41	0.28	0.075	40304

Natural Catchment (B) + Site Catchment (B) Gradient Total 50 year 50 year 50 year to (min) = Flow tc = 50 year Catchment (per 100m) Catch. Total Runoff Highest Lowest design Tota Distance 0.14465L/ to + t_f Storm Constants Intensity (m²) (mPD) (mPD) = (h₁-h₂)/L x coeff. Area runoff = runoff runoff (m) $(H^{0.2}A^{0.1})$ (min) (mm/hr) 0.278CiA (m³/s) (L/min) 100 (m²) 51724 152.95 0.25 0.55 57764 25 23 0.50 22.34 22.34 HKO headquarters 0.794 47629 402 0.95 6040 152.95 0.24

	Site Catchment (C)													
	Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
ĺ	10328	334	23.5	20	1.05	18.99	18,99	HKO headquarters	0.25	0	160.60	0.00	0.438	26284
	10020	004	20.0	20	1.00	10.00	10.00	Tinto nedaquartero	0.95	10328	160,60	0.44	0.400	20204

Natural Catchment (D) + Site Catchment (D)													
Catchment (m²)	Flow Distance (m)	Highest (mPD)	Lowest (mPD)	Gradient (per 100m) = (h ₁ -h ₂)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + t _f (min)	Storm Constants	Runoff coeff.	Total Catch. Area (m²)	50 year Intensity (mm/hr)	50 year design runoff = 0.278CiA	50 year Total runoff (m³/s)	50 year Total runoff (L/min)
113971	544	23	20	0.55	27.67	27.67	HKO headquarters	0.25	95647	143.24	0.95	1.645	98723
								0.95	18324	143.24	0.69		

Referring to Drawing No. DIA3, 900UCs are adopted for the whole site,
The runoff generated from Natural Catchment (D) + Site Catchment (D) (Largest amount of runoff collected by the 900UC),
98723 (L/min) would be checked against the chart of rapid design of channels

Proposed Temporary Warehouse for Storage of Construction Materials and Machinery, Parking of Special Purpose Vehicles And Rural Workshop with Ancillary Facilities for a Period of 3 Years And Associate Filling of Land, Filling of Pond and Excavation of Land in "Green Belt" zone and Area shown as 'Road'

Tree Preservation and Landscaping Proposal

4.4 As site formation works should be carried out to form the temporary warehouse, workshop and parking, 217 of total 350 surveyed trees will be affected by the site formation works inevitably. The remaining 119 trees can be preserved in situ by strategically disposition of the storage areas and associated facilities. They will be protected and maintained during the construction stage and operation phase, in accordance with the details in Section 25 - Landscape Work in the General Specification for Building (2017) by the Applicant.

4.5 <u>Felling and Transplantation of Trees</u>

Trees in conflict with the proposed development shall be proposed to be transplanted if they fulfil all the criteria below:

- a. trees have high amenity value;
- b. trees with good form and health;
- c. suitable access;
- d. tree species able to be transplanted easily;
- e. trees have suitable size and;
- f. trees are young to semi-mature.
- 4.6 **14** of the affected trees, i.e. **T19**, **T21**, **T22**, **T23**, **T37** *Ficus microcarpa* and **T150**, **T152**, **T154**, **T155**, **T231**, **T232**, **T233**, **T234** *Roystonea regia* which fulfilled the above criteria are recommended for transplantation. They are proposed to be transplanted directly to their final location at undisturbed area within Site, in order to enhance the survival rate after transplantation.
- 4.7 When there is direct conflict with the proposed works and when the trees are not transplantable as described in the above criteria, trees are proposed to be felled.
- 4.8 Revision on the architectural layout has been implemented to reduce the impact to existing trees, although minor conflicts are inevitable. Decisions are therefore made to fell any tree that is assessed to be of poor health condition and form and not cost effective for transplanting, 217 nos. of affected trees within Application Site are proposed to be felled. The justification for felling of trees has been shown in Tree Schedule in Appendix I. The factor for felling of trees are:
 - a. In direct conflict with the proposed permanent works or area required for construction;
 - b. Not transplantable; and
 - c. With poor health, form and amenity value.

