Hong Kong Housing Authority

Agreement No. CB20120293 Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Final Technical Report No.1 (TR-1) Baseline Review

Figures

March 2013

IMPORTANT - CONFIDENTIALITY

This project and study shall be kept confidential and any information contained in and/or related to the project/study shall not be disclosed to any person not involved in the project/study.

226464

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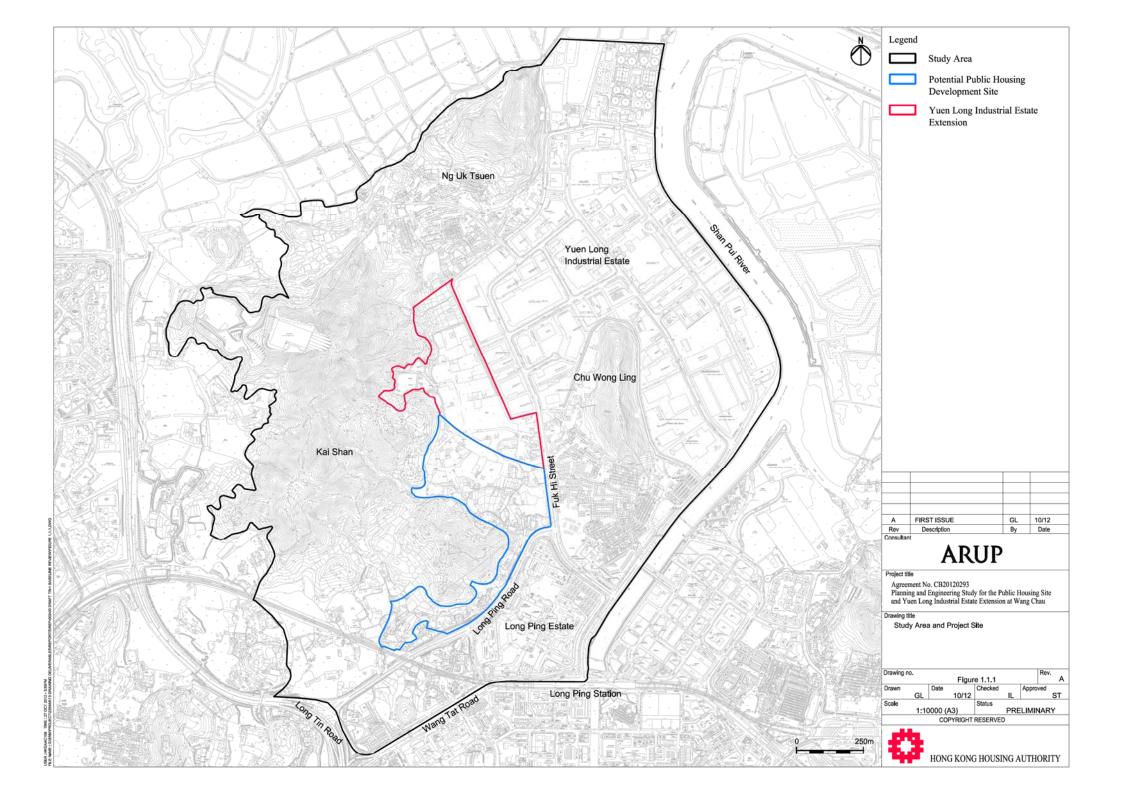
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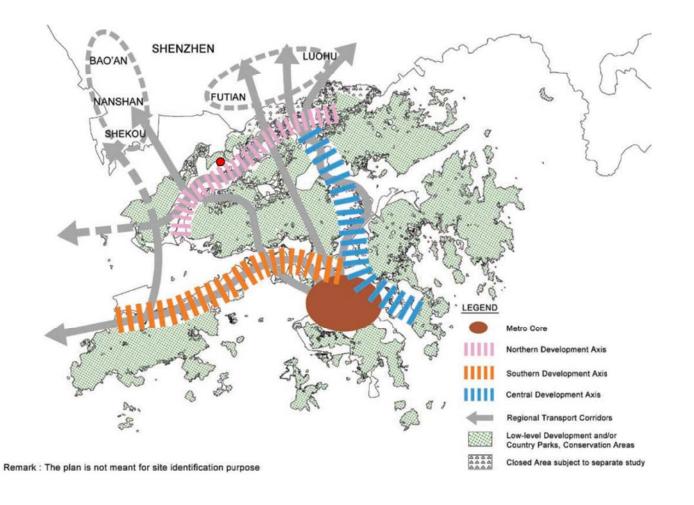


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Legend

Project Site

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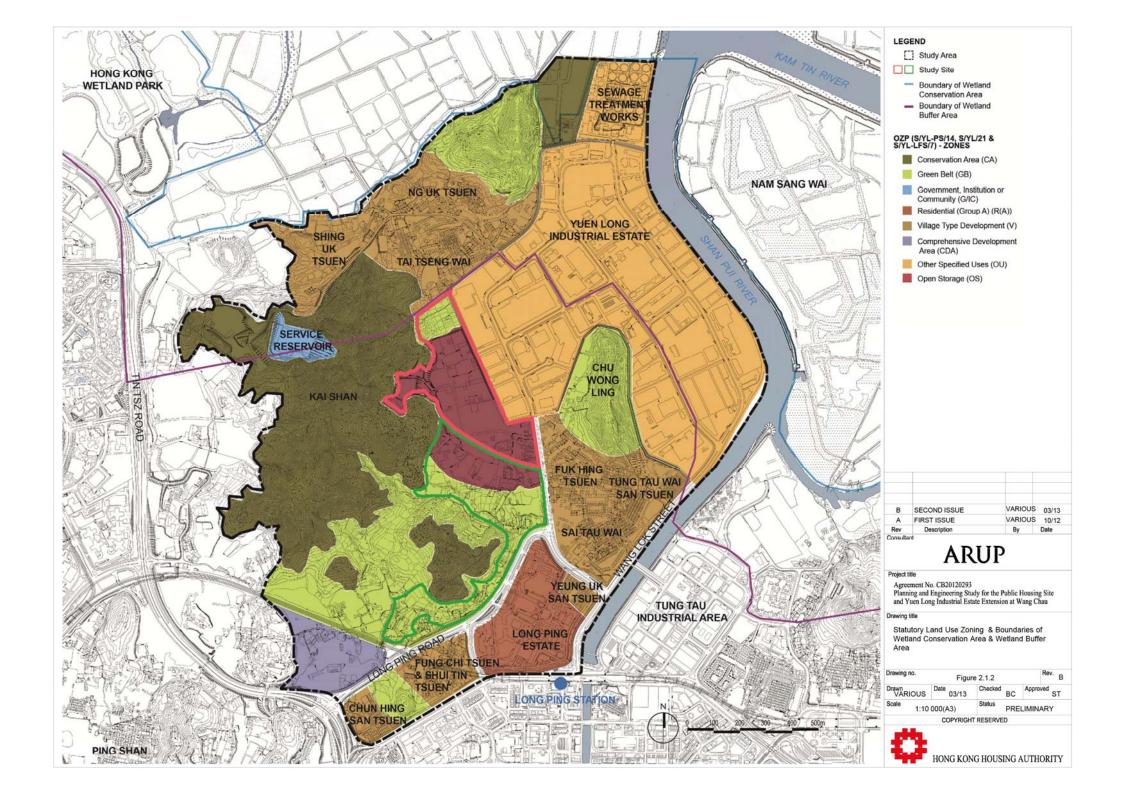
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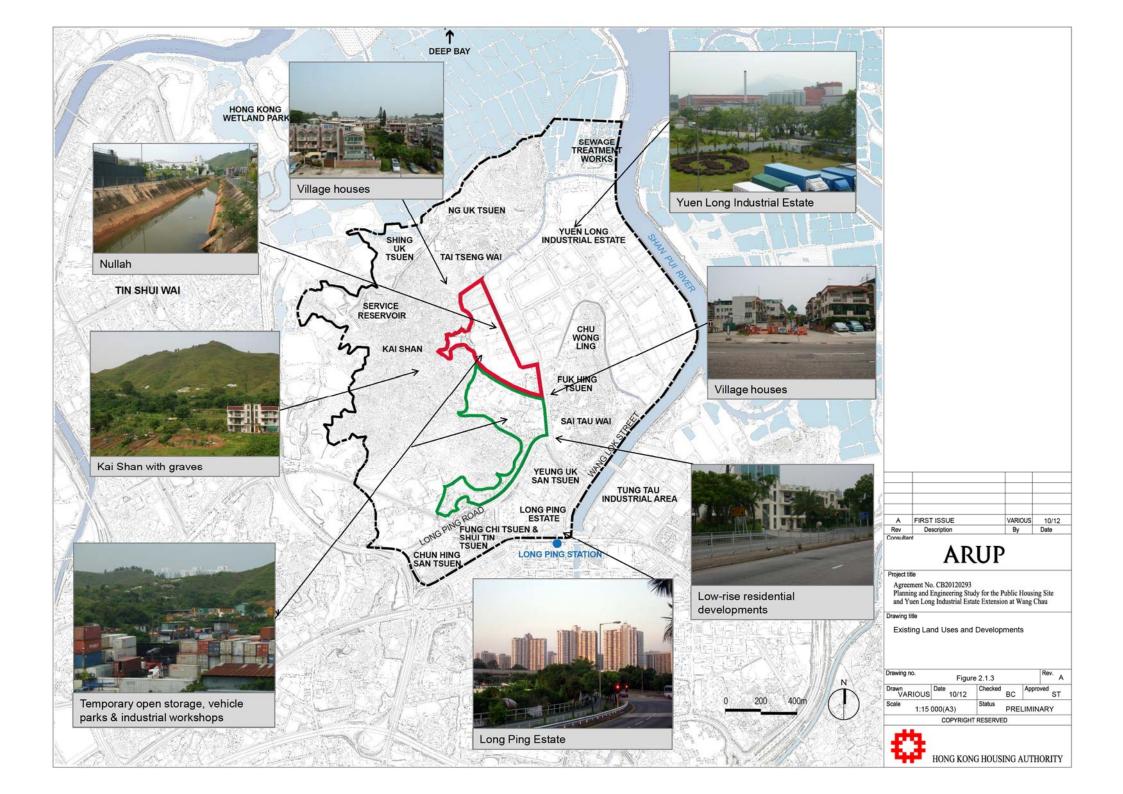
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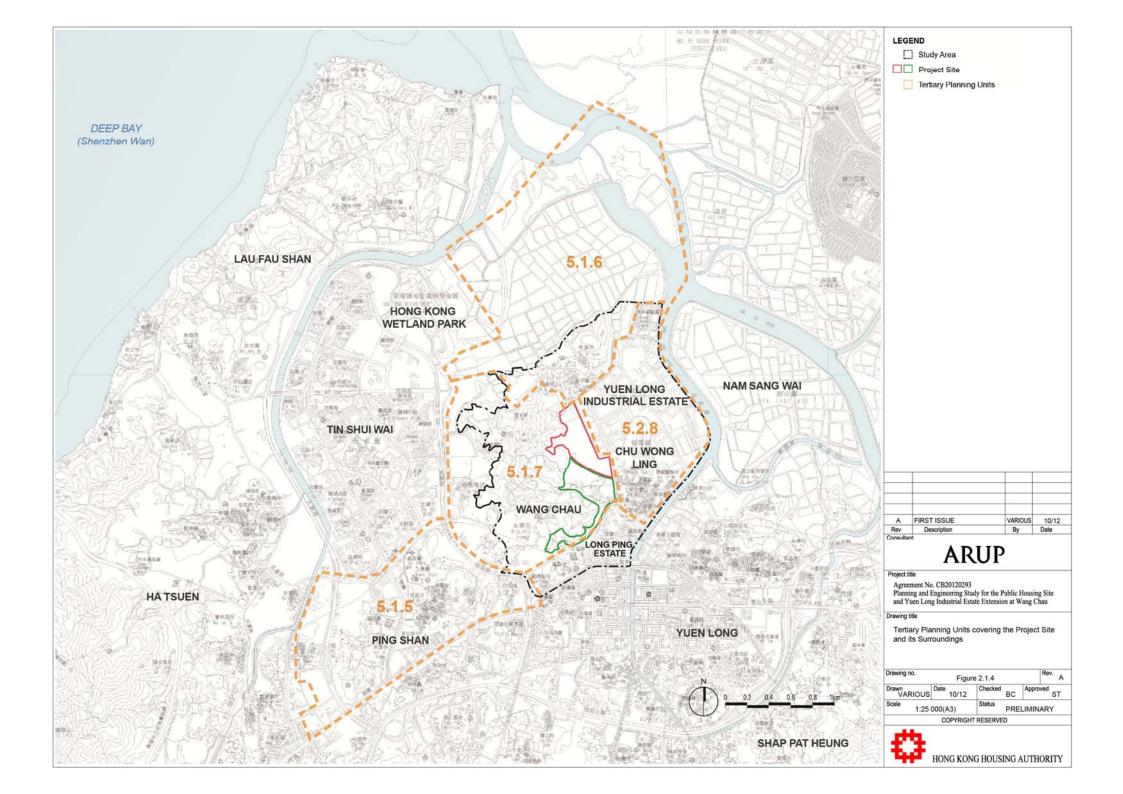
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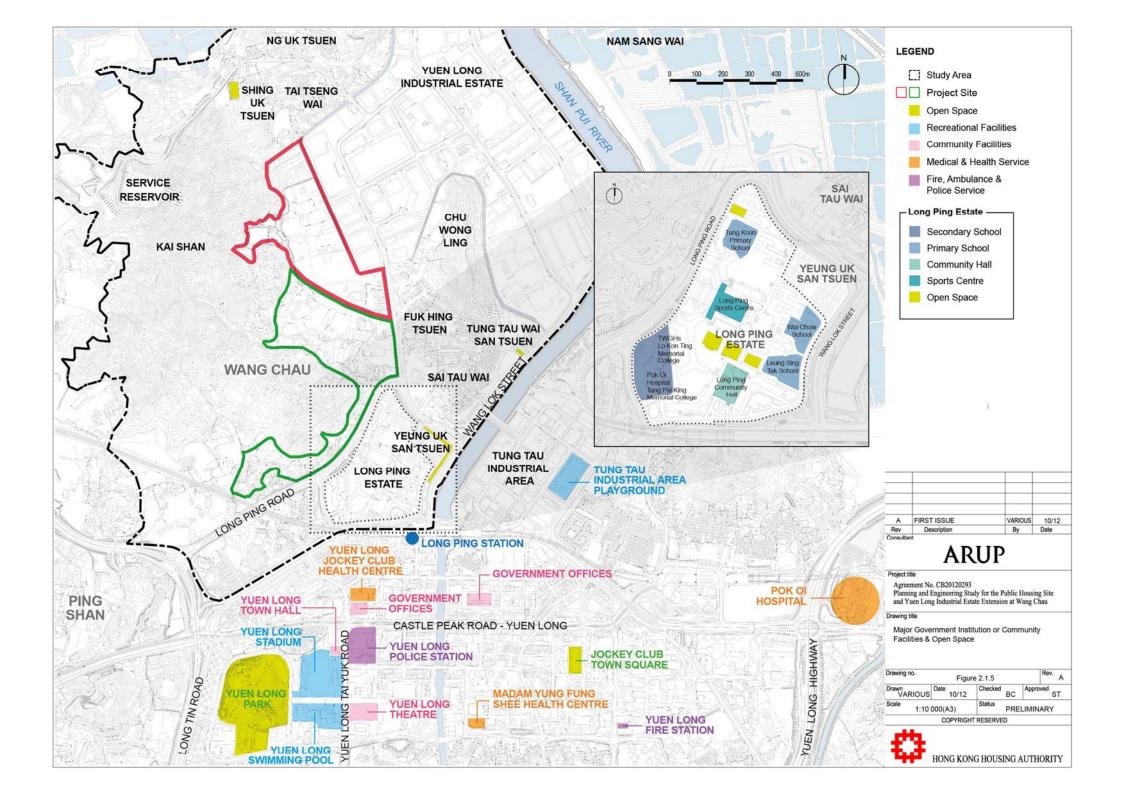


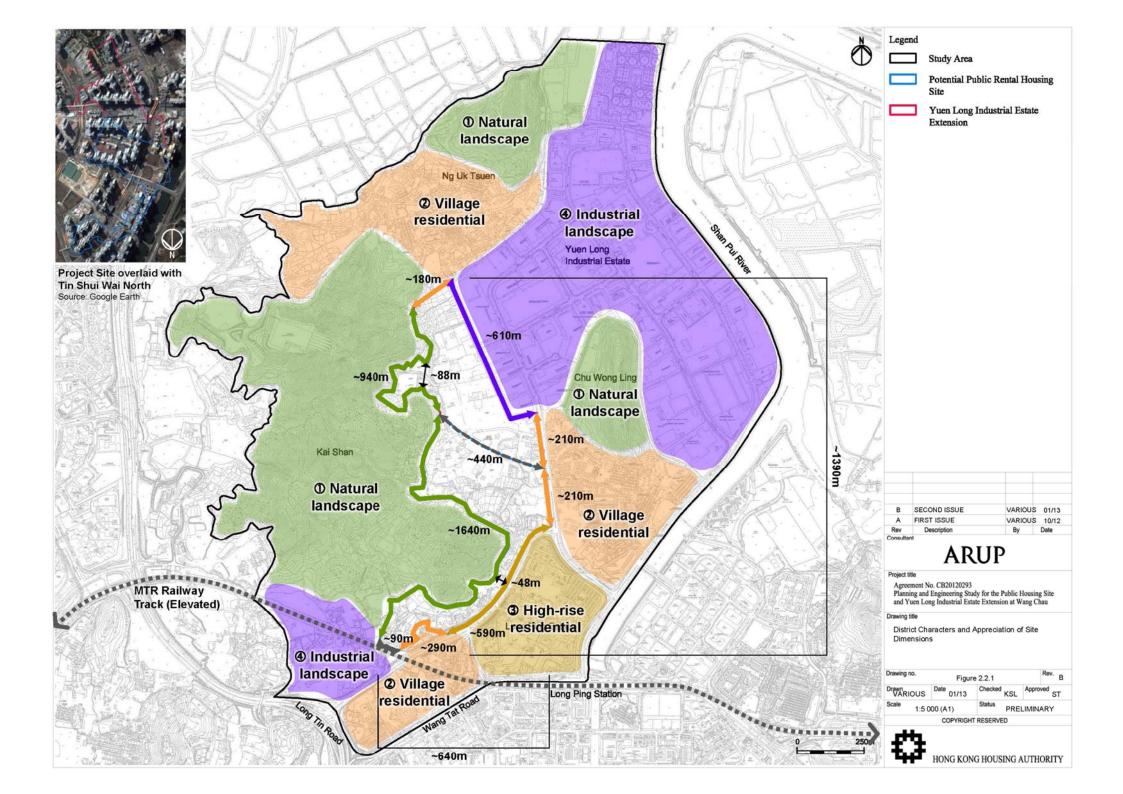
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① Natural landscape





② Village residential





3 High-rise residential







* Please refer to Figure 2.2.1 for areas delineation for district characters

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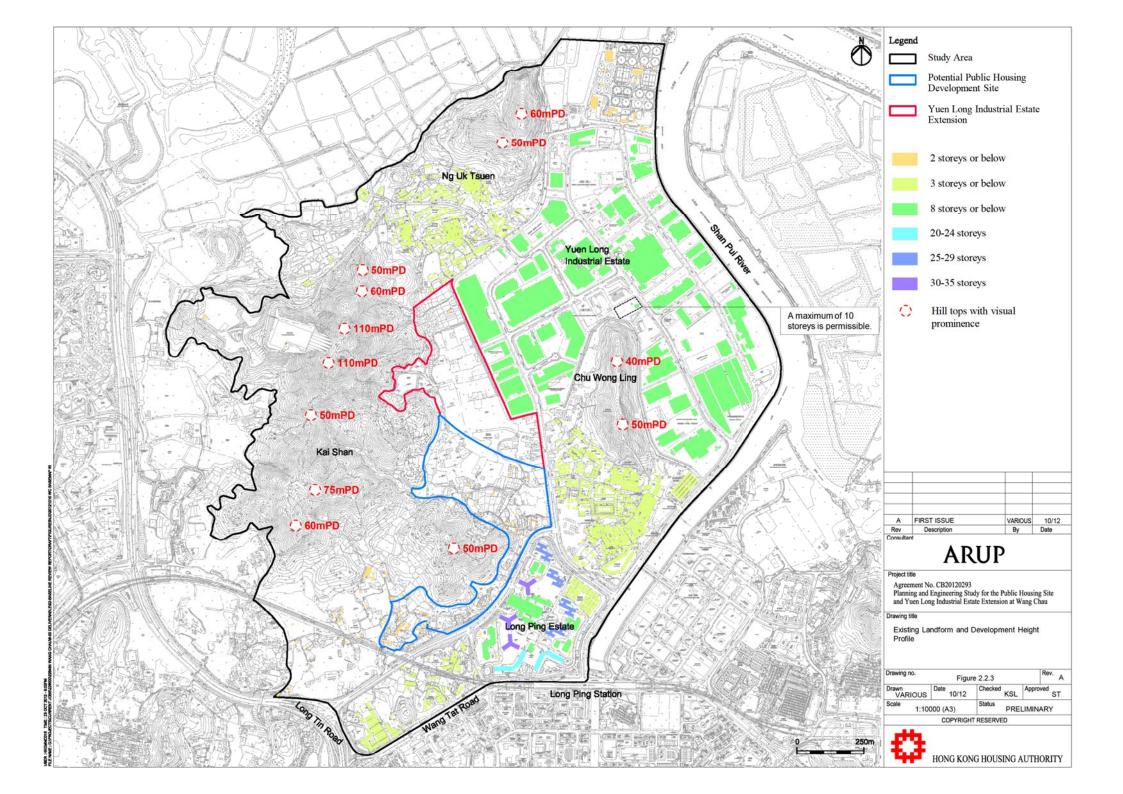
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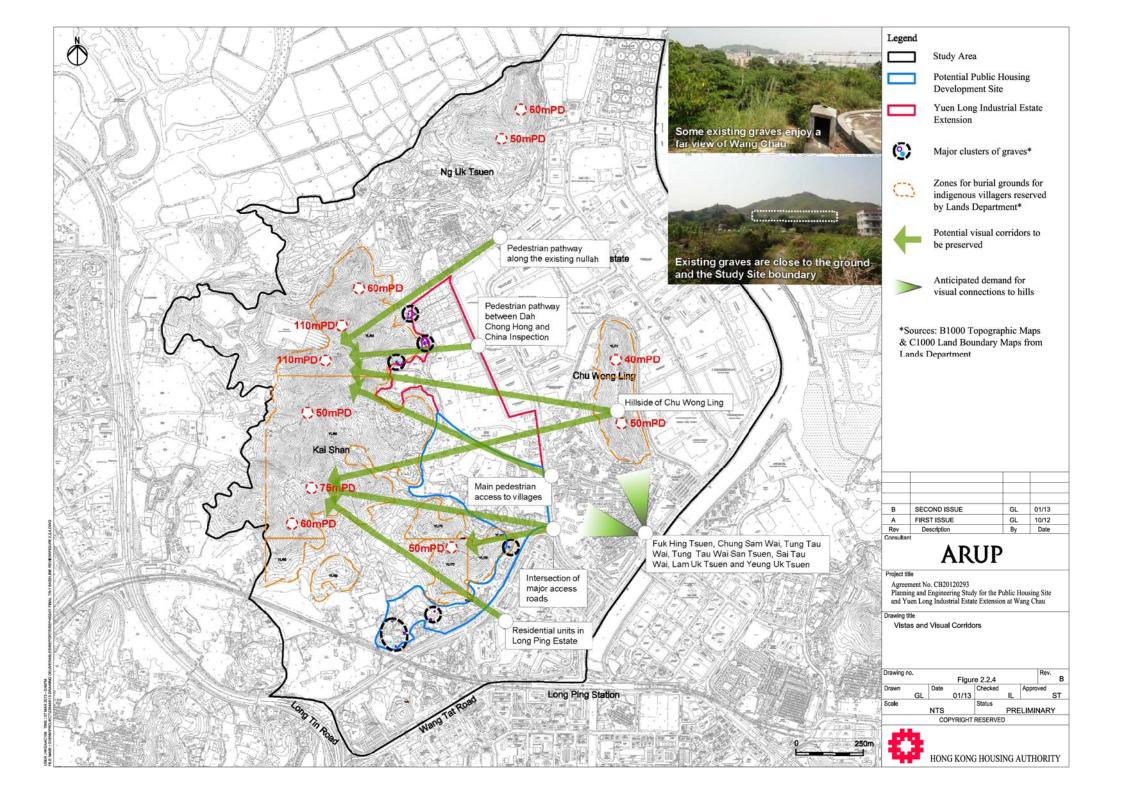
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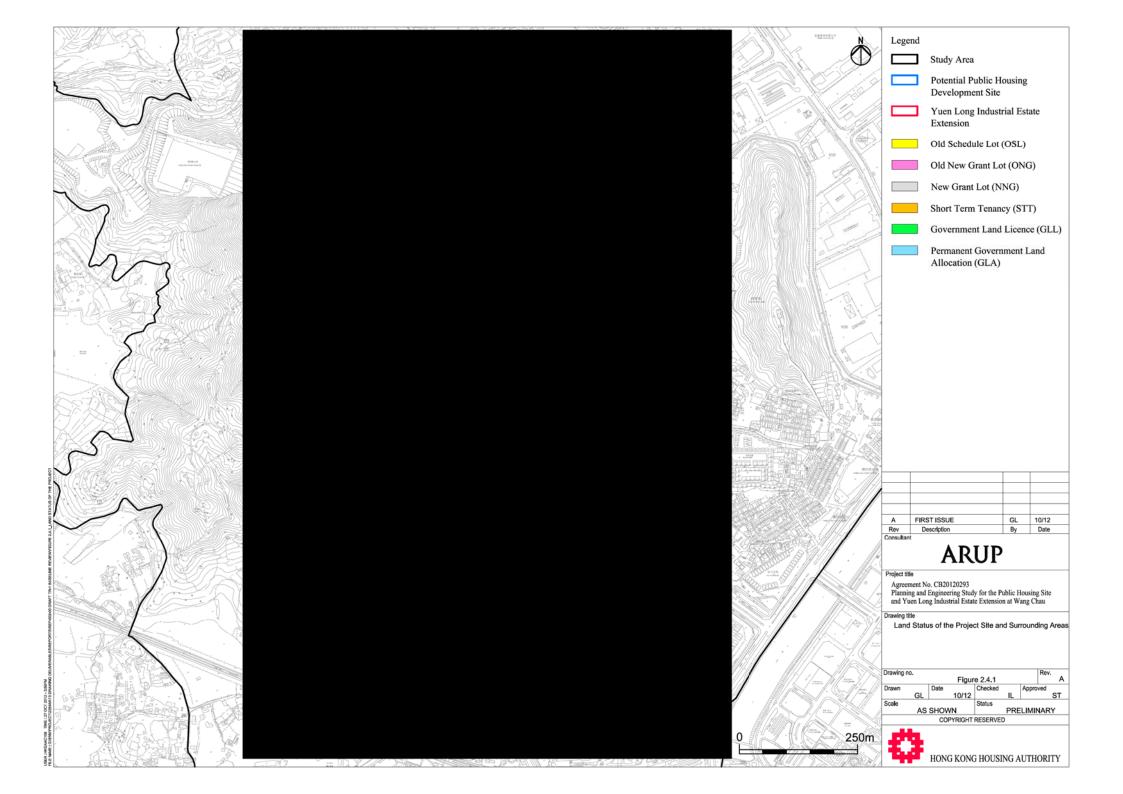


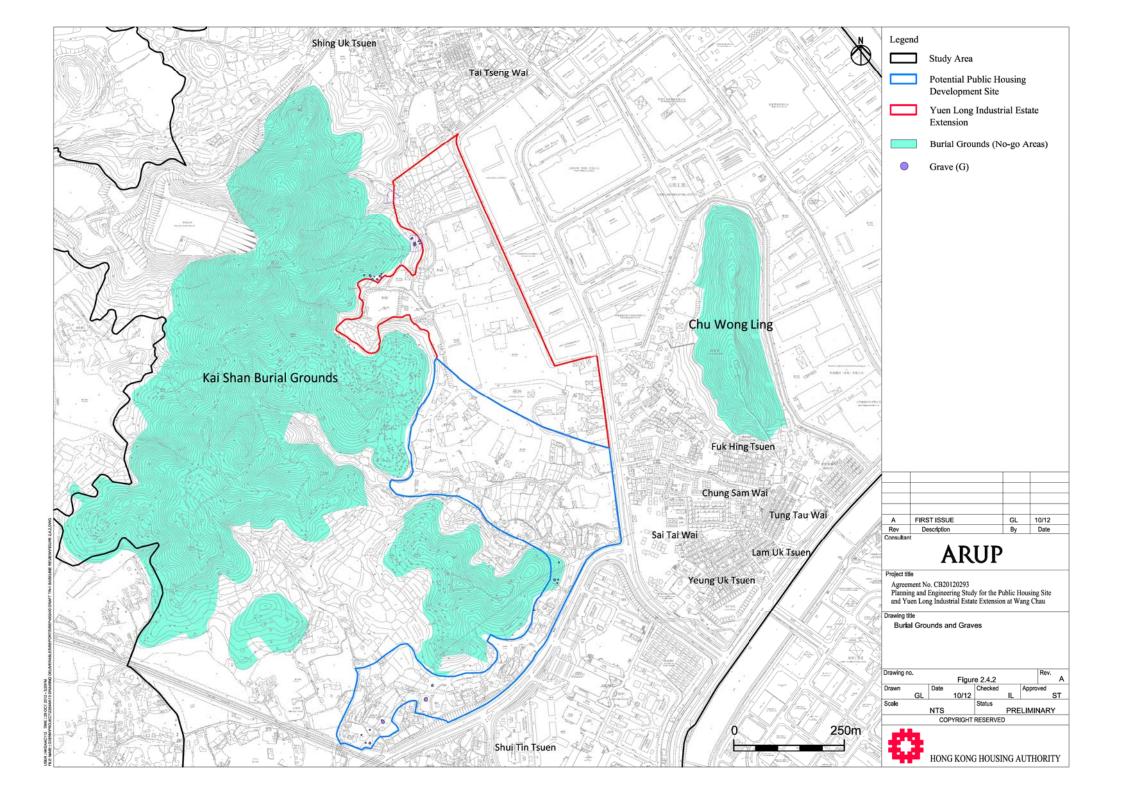
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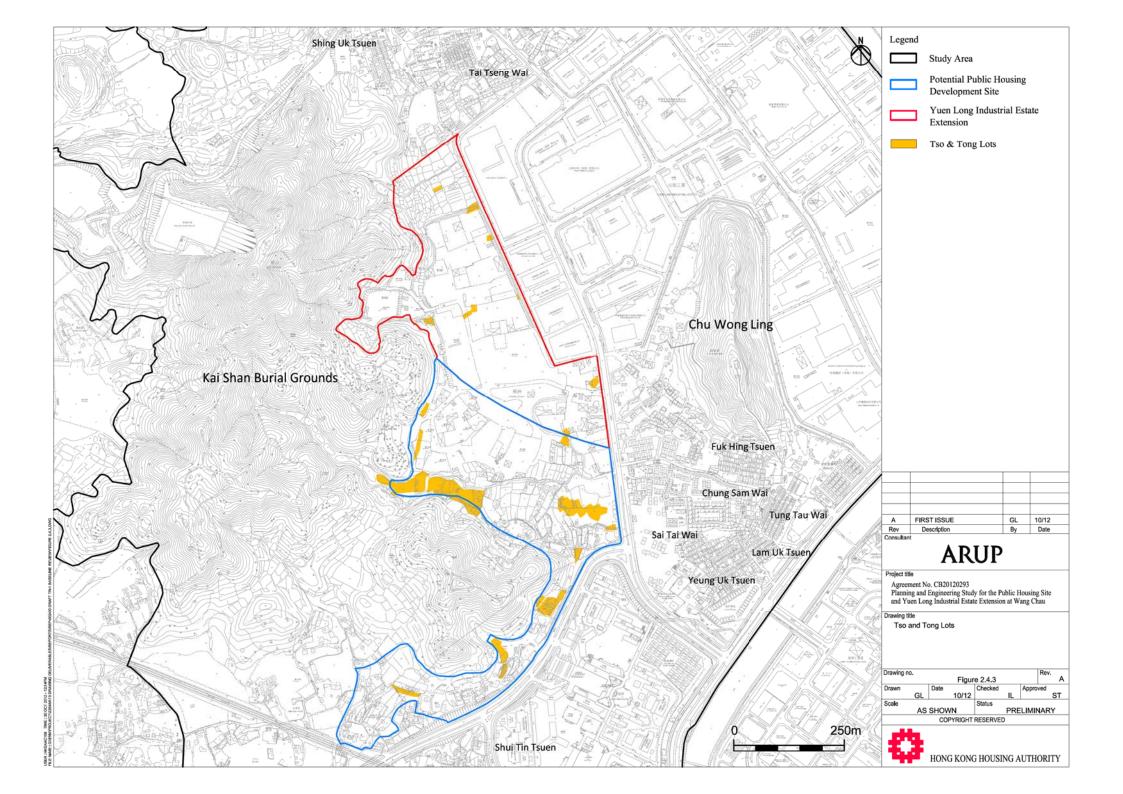
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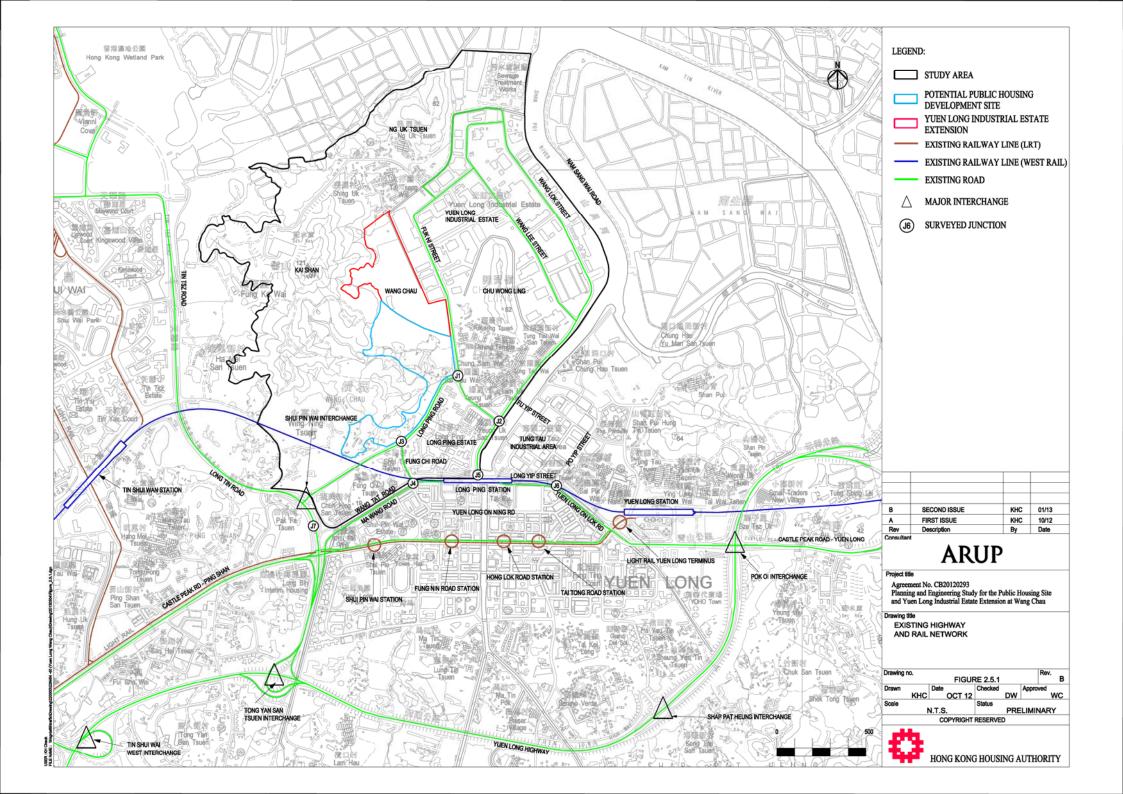


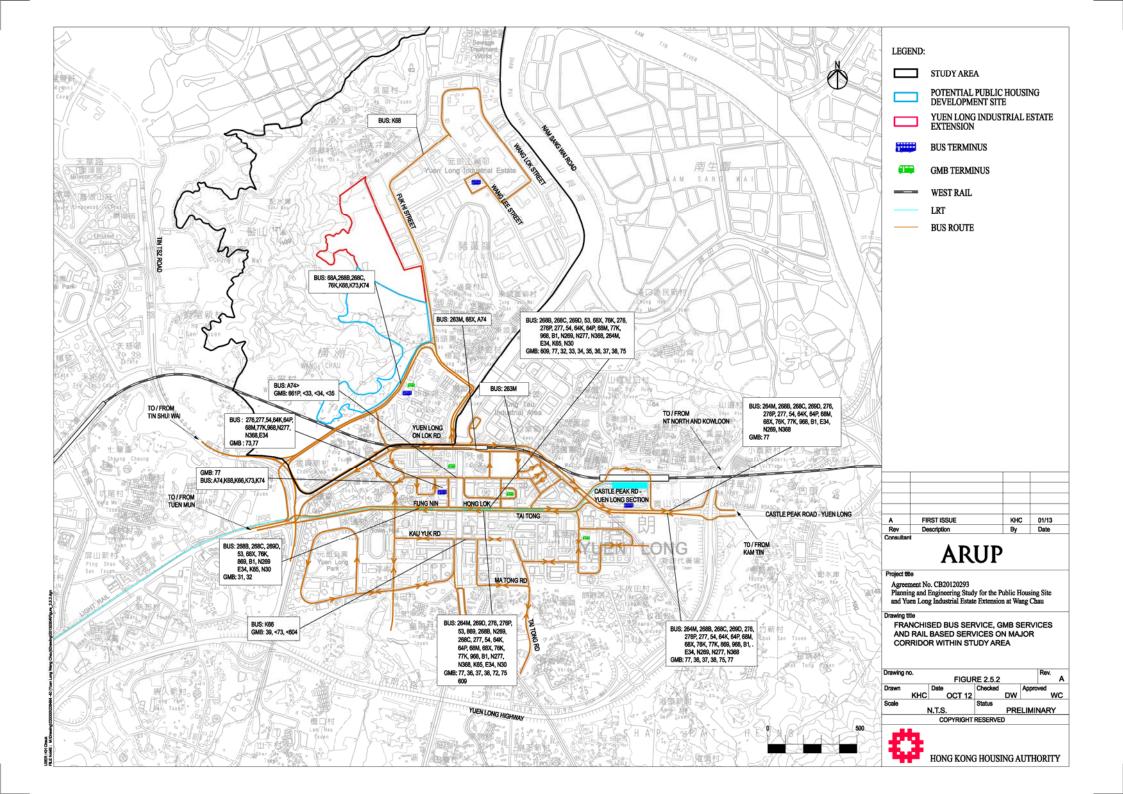


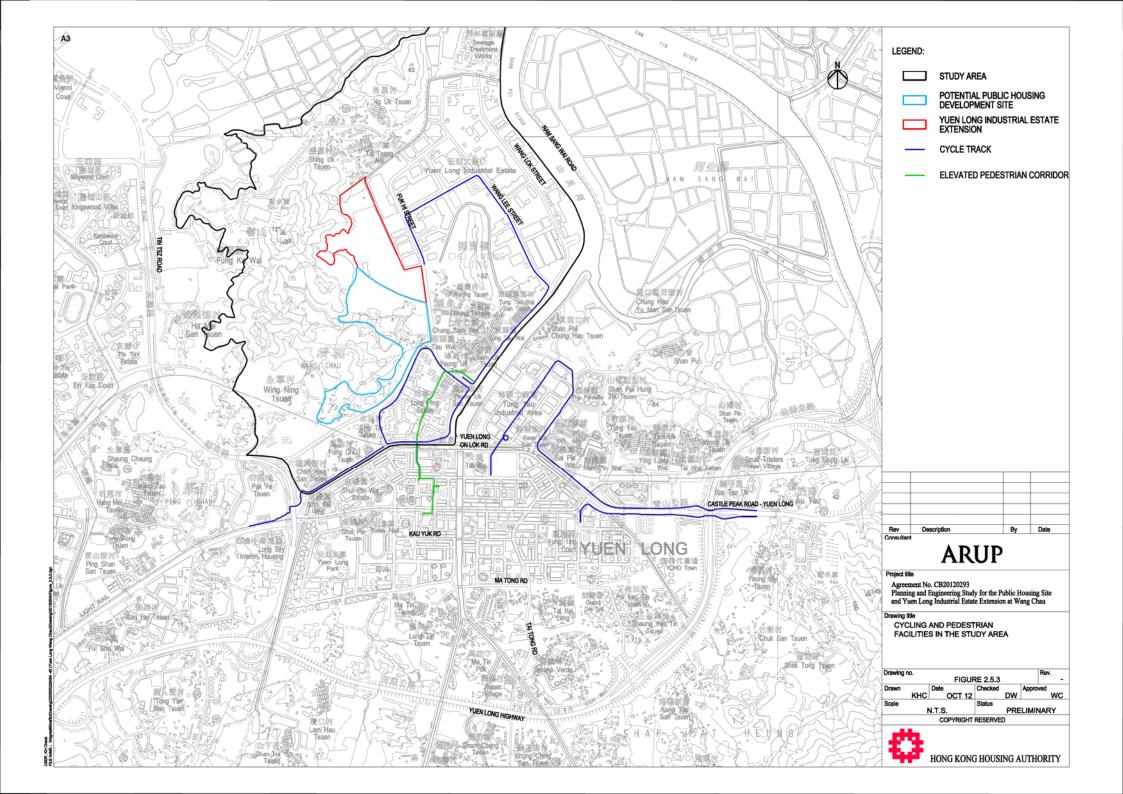


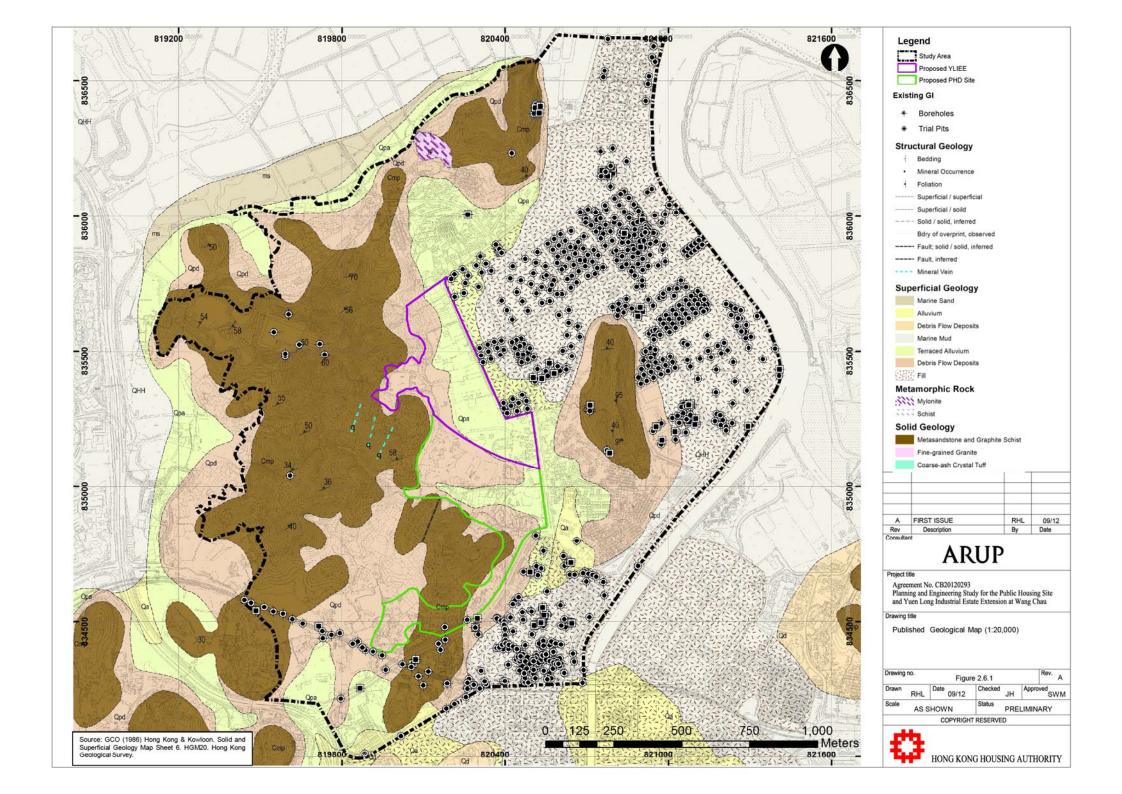


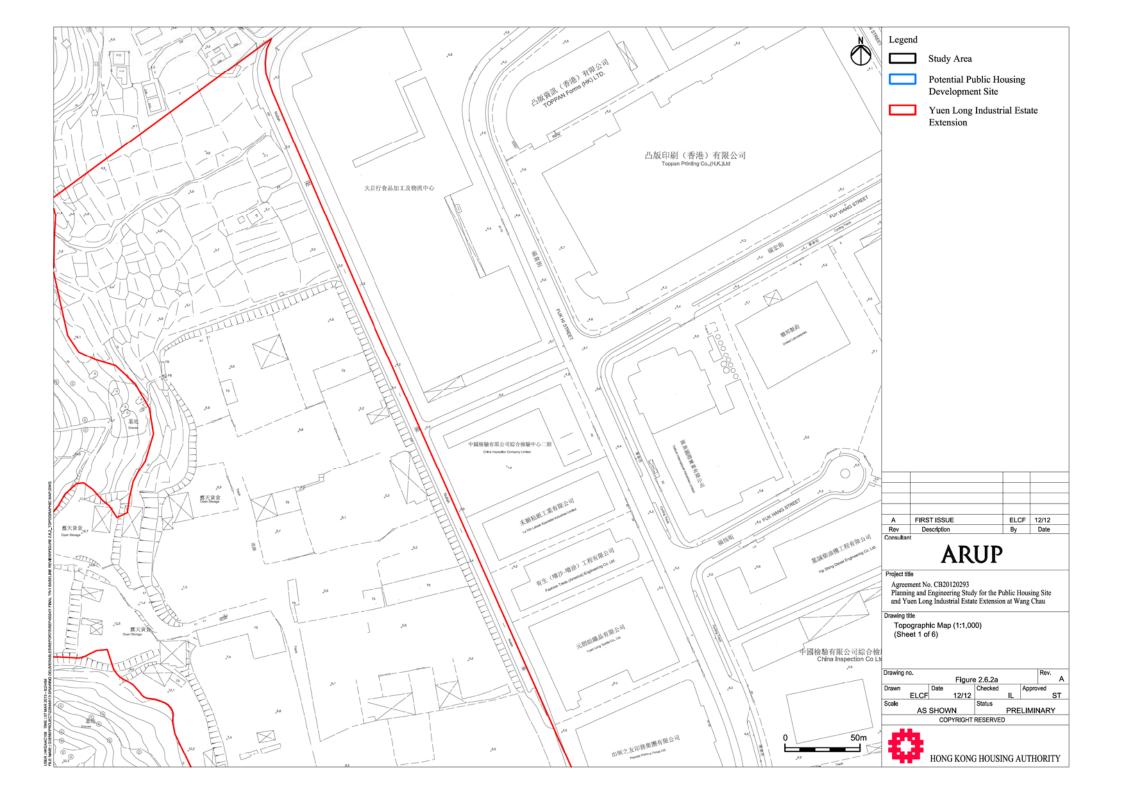


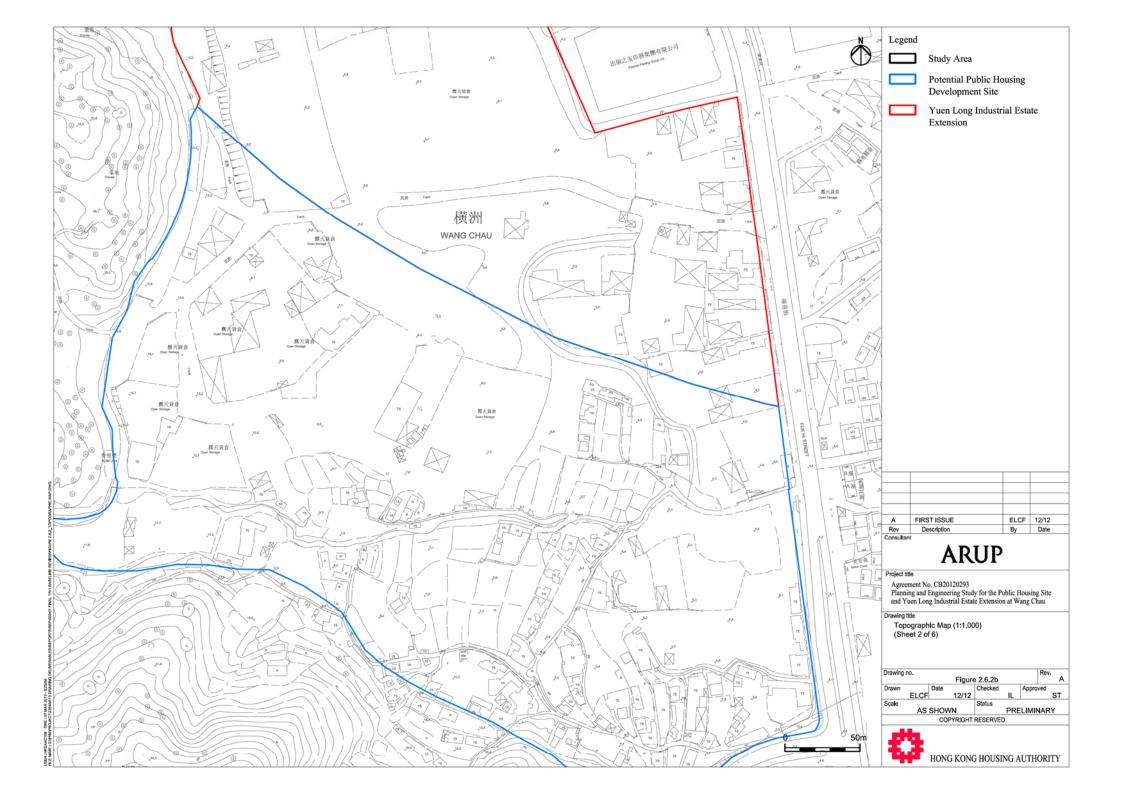


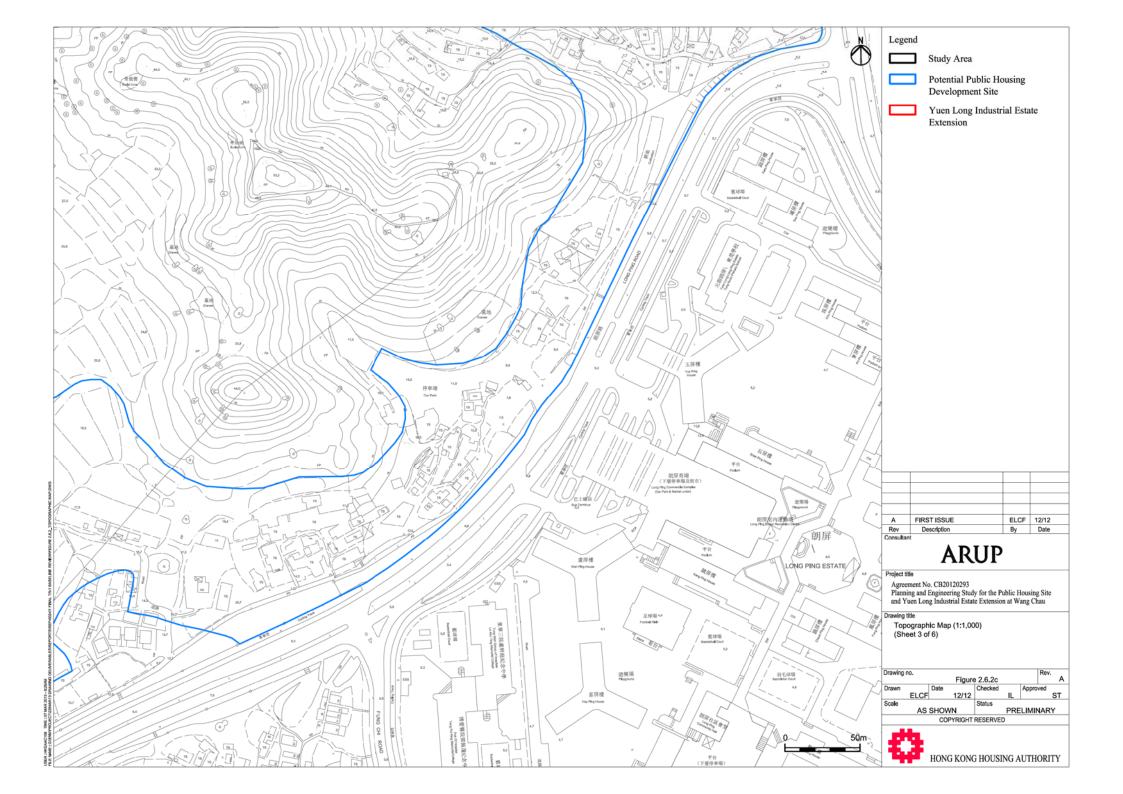


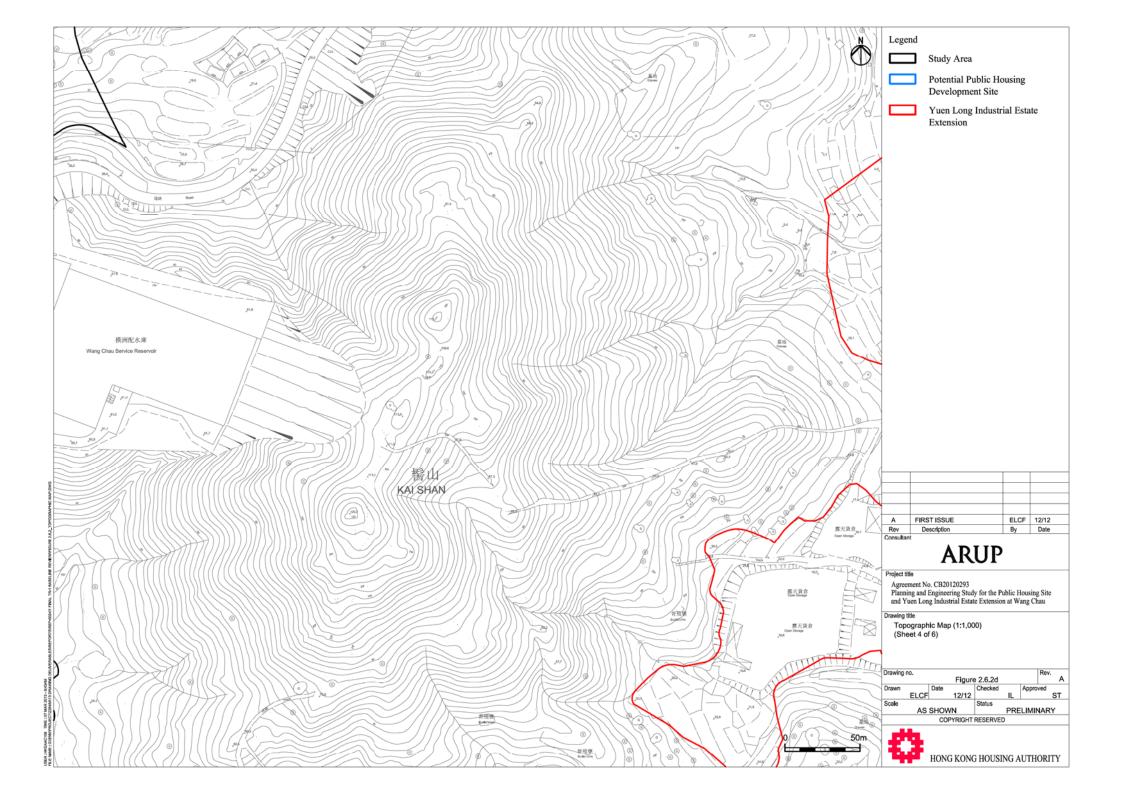


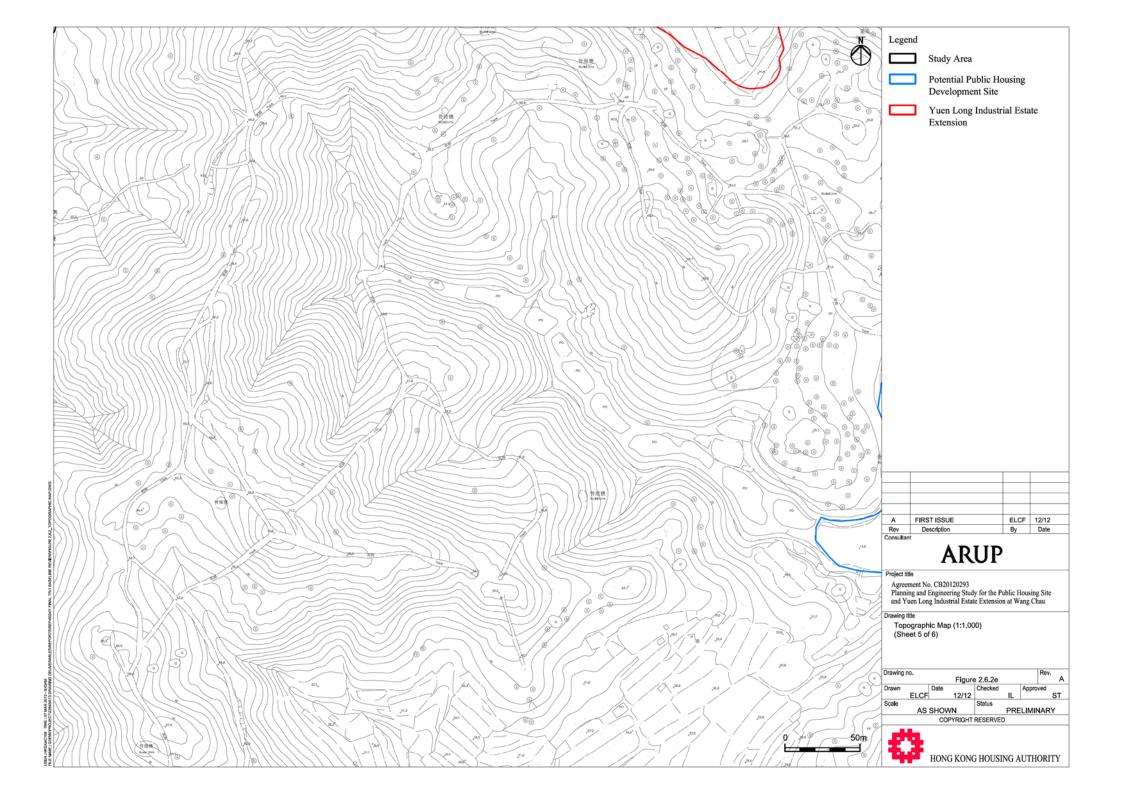


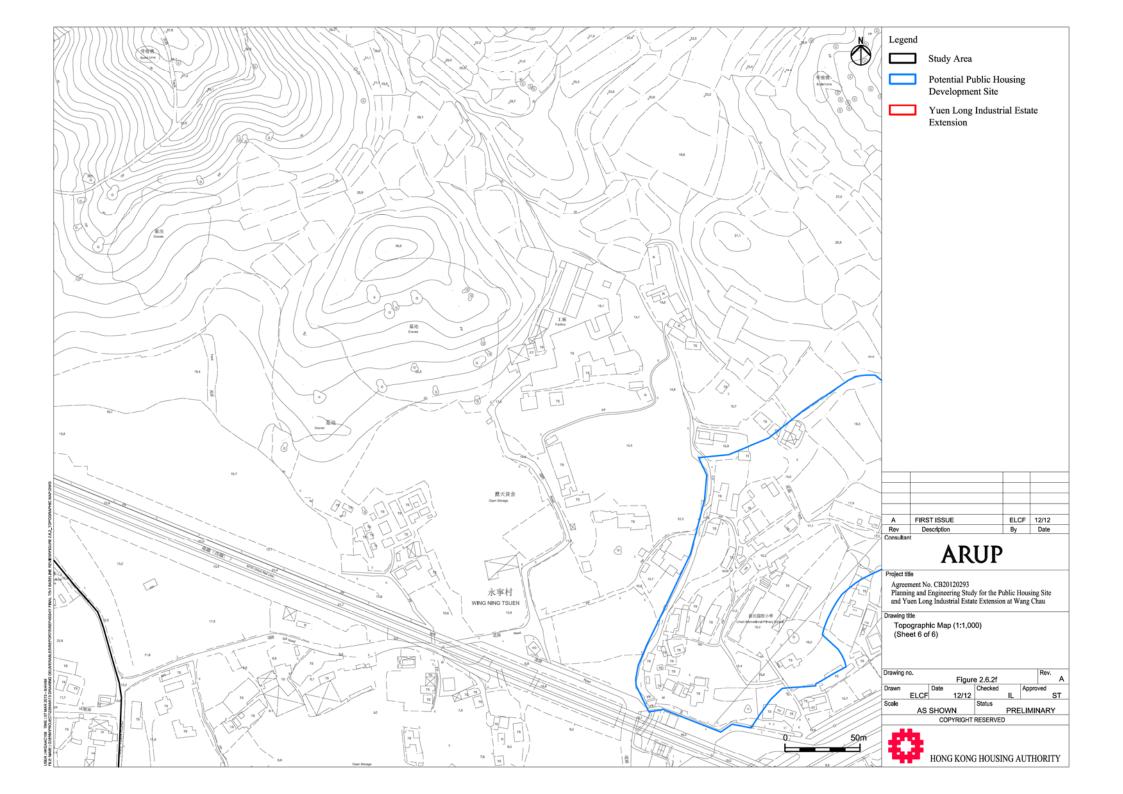


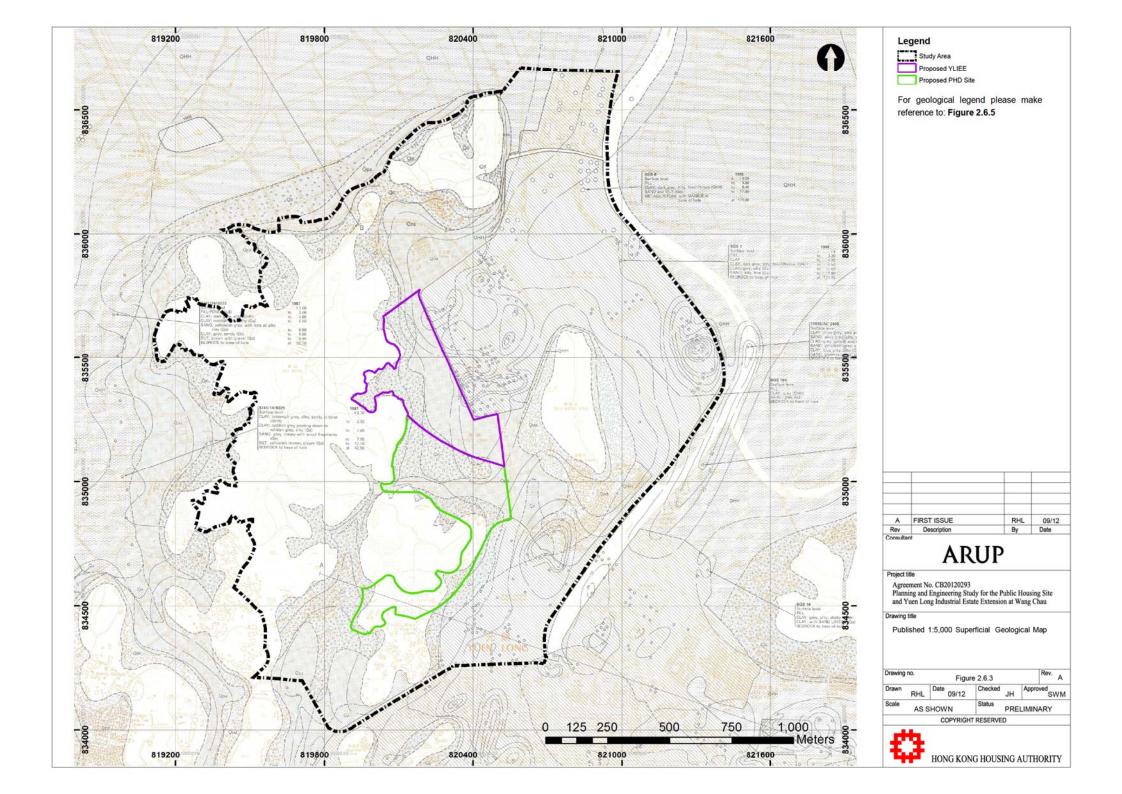


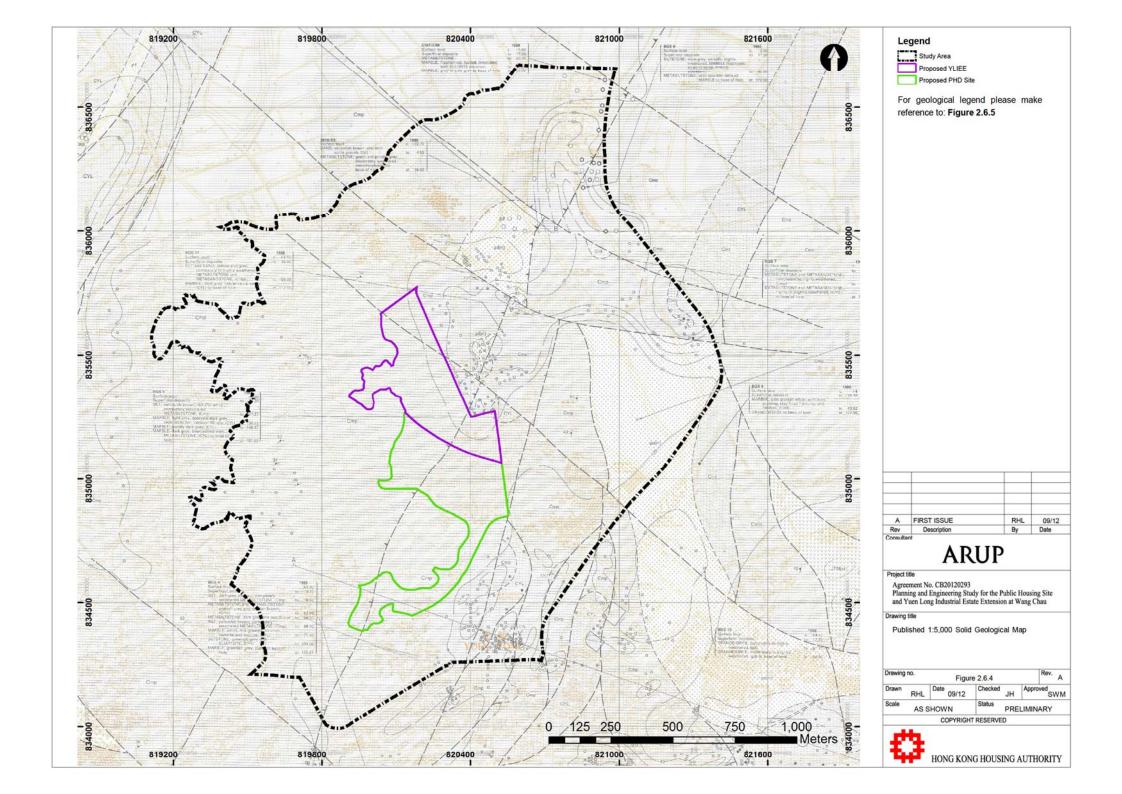












OLID GEOLOGY	基岩地質			
	SEDIMENTARY AND VOLC	ANIC RO	CKS 沉積岩和火山岩	
	NAMED ROCK DIVISIONS 地層單位名稱		主要岩石類型/特徵 PRINCIPAL ROCK TYPES/CHARAC	TERS
OIC OIC RASSIC BAY GROUP	Tai Mo Shan Formation, 大相山祖 undivided (余分)	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	間尖山灰岛斯蘇灰岩 Coarse ash Cryst (智賞) (metamorpi	
中年 第 MESOZOIC 上來確認 UPPER JURASSIC 漢本演算 REPULSE BAY VOLCANIC GROUF	Tuen Mun Formation. { Tin Shui Wai	dtw	學頁的五層基次角徵也,基次頁 验老和越來貨粉粉如水大應也 石美和基本管線 (unitstance) 如此 如此 如此 如此 如此 如此 如此 如此 如此 如此	narble,
古生界 PALAEOZOIC 石家語 CARBONIFROUS 新田醇 SAN TIN GROUP	Lok Ma Chau Formation 惠馬剛報 Mail Po ★韓語 Yuen Long 大朝朝 Ma Tin ★朝朝 Ma Tin 和田郎	Cmp CYL Cmt	+ 名意・受賞和計画祭 Phyllite, metasilitation 智質計画社石 基片岩 metasandatione and graphite 人連載・正理的大理教和指标者 marble and siltert marble and silt Marble, pale (Marble, pale off-white, m	edded stone prey to
	MAJOR INTRUSIVE IGNEO	US ROCK	KS 主要侵入火成岩	
中年代 MESOZOIC 本庫-白屋尼 JURASSIC- CRETACEOUS		+ gf+	脚粒花開始,試给發展 Fine-grained g metamorphosed i 花期與異常,部份發展 Granodiorite, metamorphosed i	n part
	MINOR INTRUSIVE IGNEOU	JS ROCK	S 次要侵入火成岩(脉岩)	
MESOZOIC 中生代 TO 至 TERTIARY 第三紀	{	ъ	受買安山岩 — Andesite, metamorp 報務期	hosed Basalt
	METAMORPHIC ROCKS 變	889 MA		
	METAMORPHIC ROCKS &	具石		
		(m)	受質的 Metamorp	hosed
		(sh)	対版 Sch	istose
GEOLOGICAL LINES	始似现 数			
				200
	ndary,solid rock —		- 基础地	
	rk indicates downthrow side)		- 展製(短數指內下	
	rbs on upper plate) — — — — — — — — — — — — — — — — — — —	_	* 全膜化前石的底部等	
rock, in metres	relative to P.D.	-20-	宋高單位、由水干基	
STRUCTURAL SYM	Broken lines on map face denote u BOLS 構造符號	ncertainty.	 副內直隸表示推測界線 	
		M SI Inclined		
Bedding ····		20		n a
Foliation				11 11
Jointing		20		初度
	All dips and plunges measured in degree	s from horize	ontal. 所有倾角和极伏角的角度均碳水平位置起計	
BOREHOLE SYMBO	LS 鑽孔符號			
Borehole provin		0	反明有大理岩	的模孔
Borehole proving beneath the Ka	g marble with cavitiesrst Zone		探 机般溶带下有溶消的大理器	的模孔
	ig strata other than marble	0	应明有损大理治以升启程	的膜孔
wil bo are	ological details are shown for representative th GIU reference number quoted, followed rehole number of that report. Boreholes with specially commissioned holes for Geologica	by the BGS prefix I Survey.	與调查使用 ·	
	borehole depths are in metres below surfa-		所有謂孔的深度均以宋武單位。由地面內下計算 -	
inc	here the borehole density is too great to sho lividual locations at this scale the ground inv less are shown in outline only	w all restigation	知謂孔语密·本國雖於表示每一讀孔位置時,則只重出 該點樣地區的報題	
Site with many	boreholes proving marble		大量國孔區明有大理北	的地盤
Site with many cavities beneat	boreholes proving marble with h the Karst Zone		大量賦刊採明在政治帶下具溶消大理由	nhs

SUPERFICIAL DEPOSITS 表土沉積



SOLID GEOLOGY 基岩地質

Not shown; refer to Solid Geology Map. 有联基础地質資料,請多問基础地質證-

GEOLOGICAL LINES 地質界袋

Geological boundary, superficial deposit		表土沉積地質界線
Fill boundary, with limit of reclamation at date shown	1980	项土匹界線、附项土年份
Contours on the base of the superficial deposits in metres relative to PD, crossmarks indicate deep side of closed confours.	+5 1 *-	表土芯積底部的等高線,以米高 單位,由水平基準算起;短劃指 向緊密等高線深倒

Broken lines on map face denote uncertainty * 關內建設表示推測界設

BOREHOLE SYMBOLS 鑽孔符號

Borehole proving superficial deposits	探明有表土沉積的膜孔
Geological details are shown for representative boreholes with GIU reference number quoted, followed by the borehole number of that report. Boreholes with BGS prefix are specially commissioned boreholes for geological survey purposes.	地質評情由代表性關孔表示,這關孔 瞬旋向前有助土工程資料室的關環報 負額使,有BOS級被約關孔,專供地 類因各參用
All borehole depths are in metres below surface.	所有關孔的深度均以來將單位,由地 面內下計算
Where the borehole density is too great to show all individual locations at this scale the site investigation areas are shown in outline only.	知謂孔過密。本國難於表示每一 謂孔位宣吟。則只畫出誰動程地 協的喝圖。

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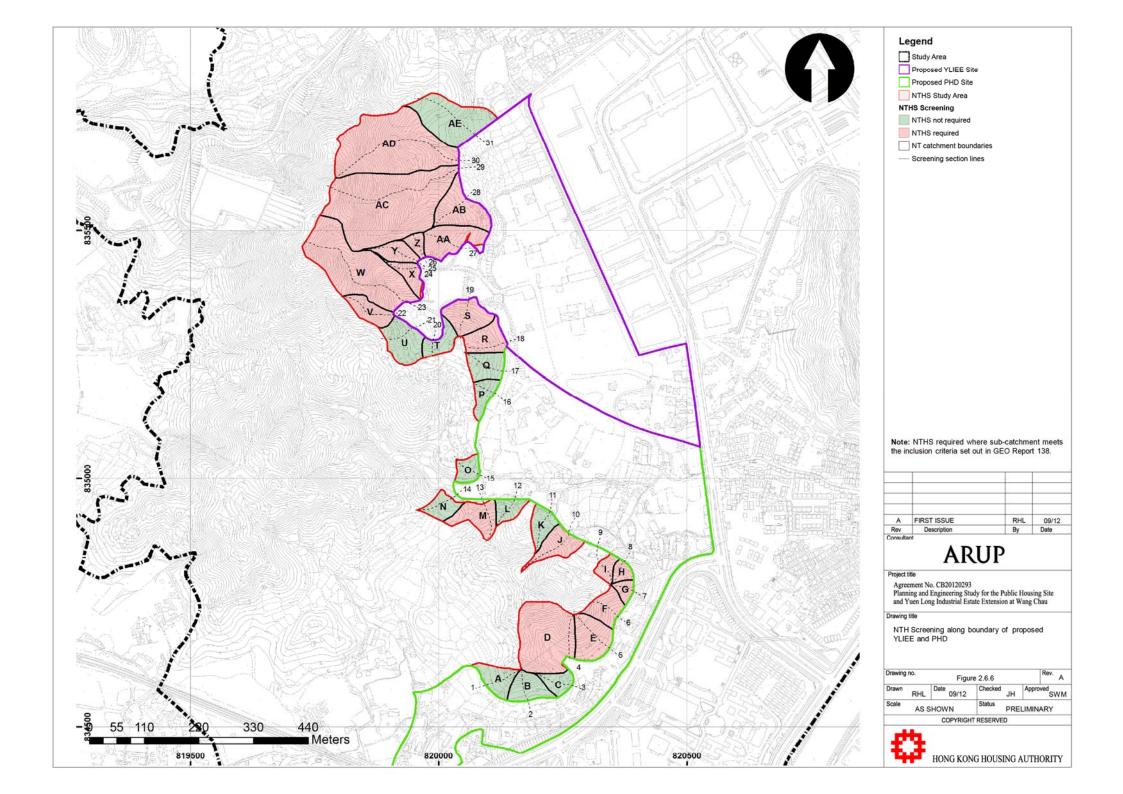
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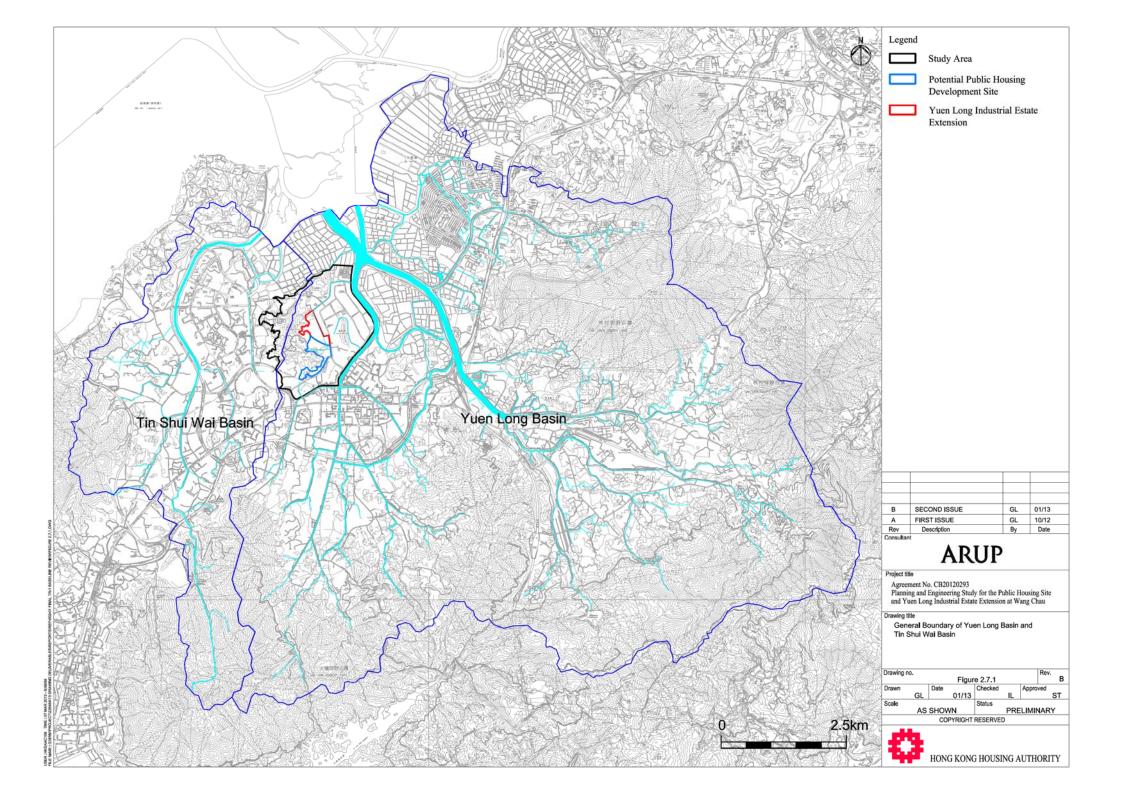
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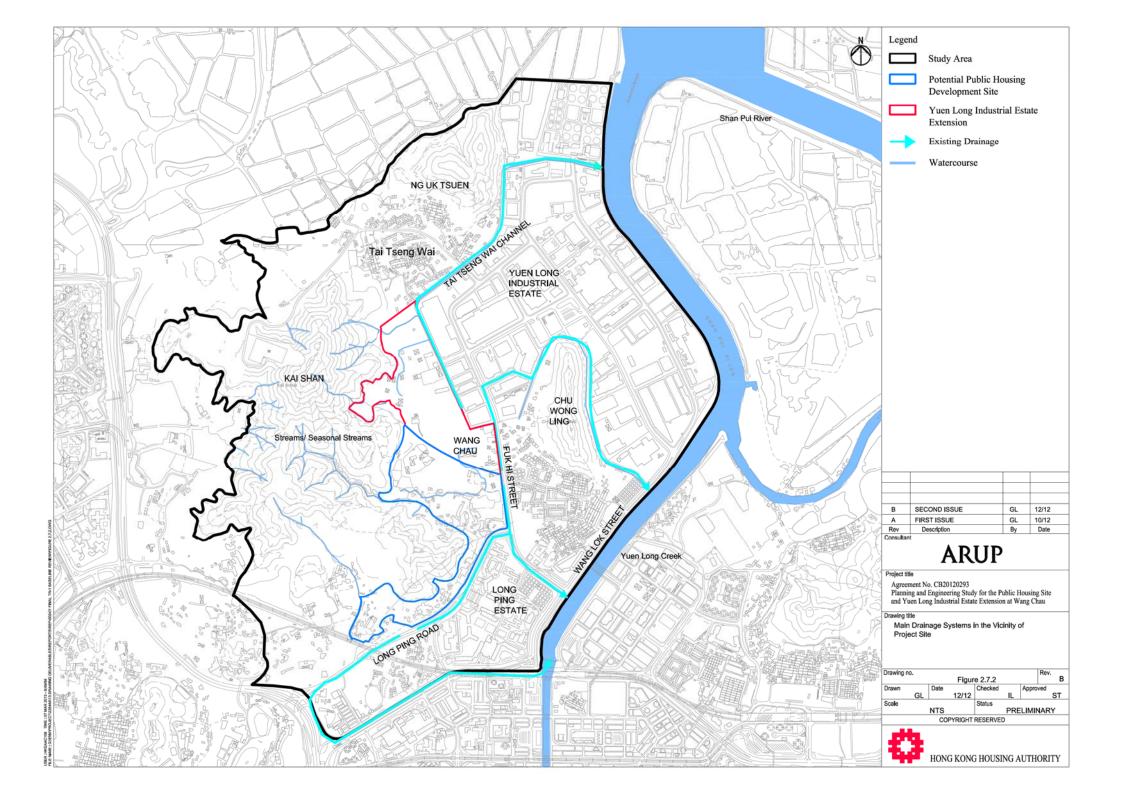
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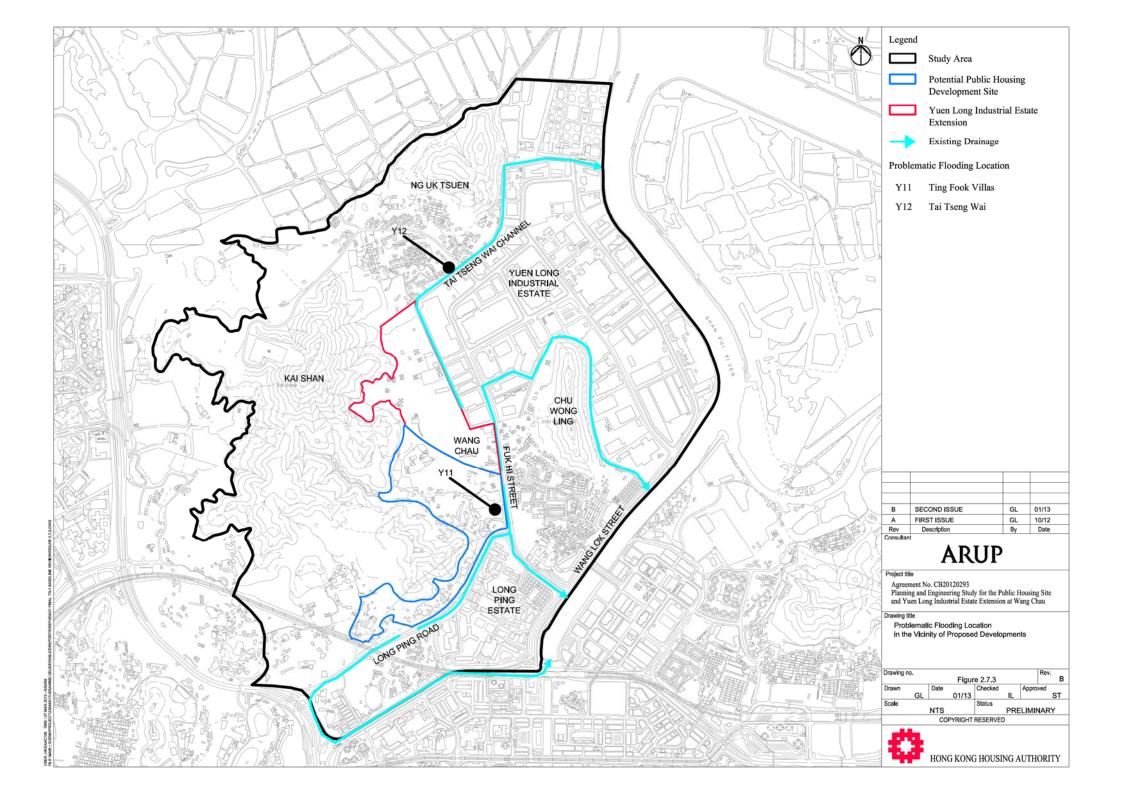


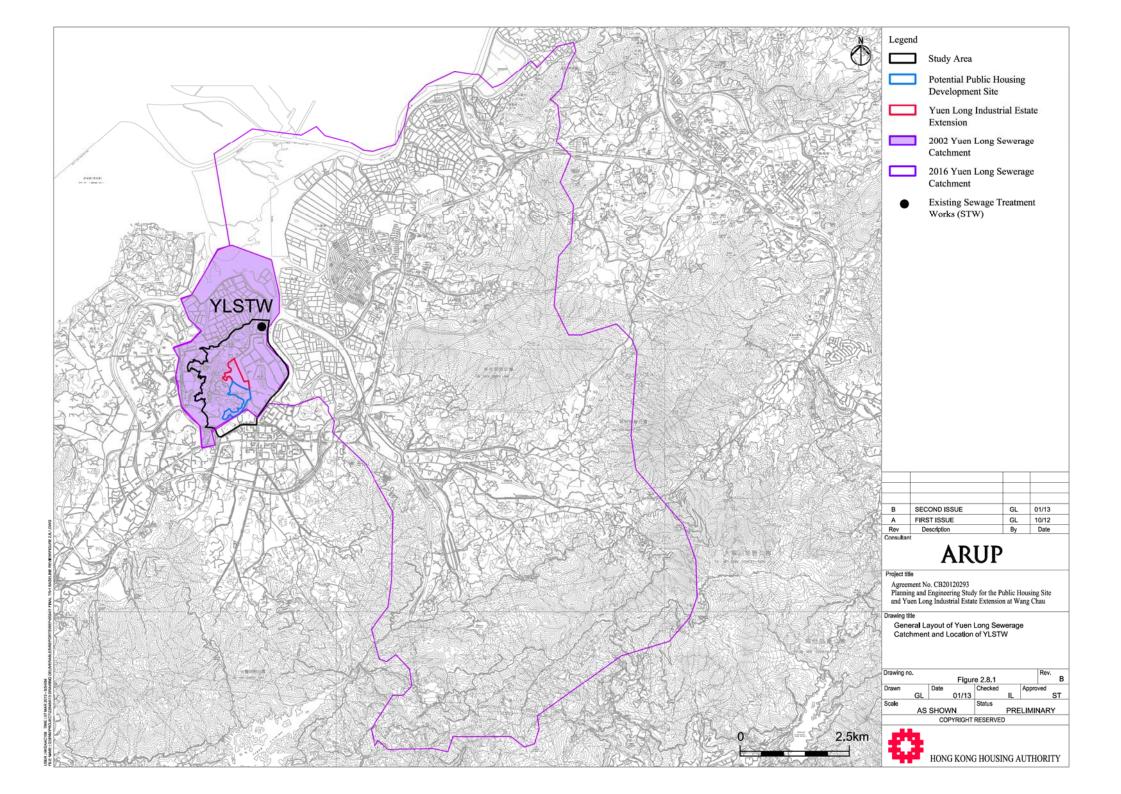
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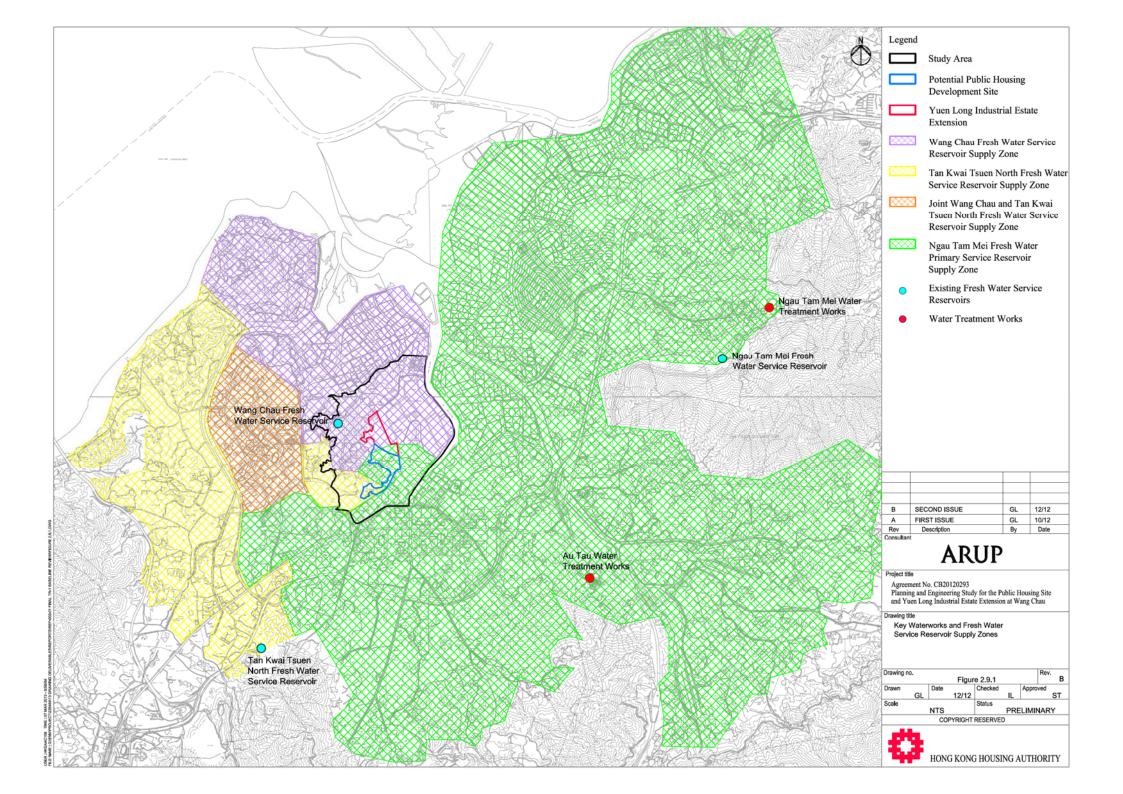


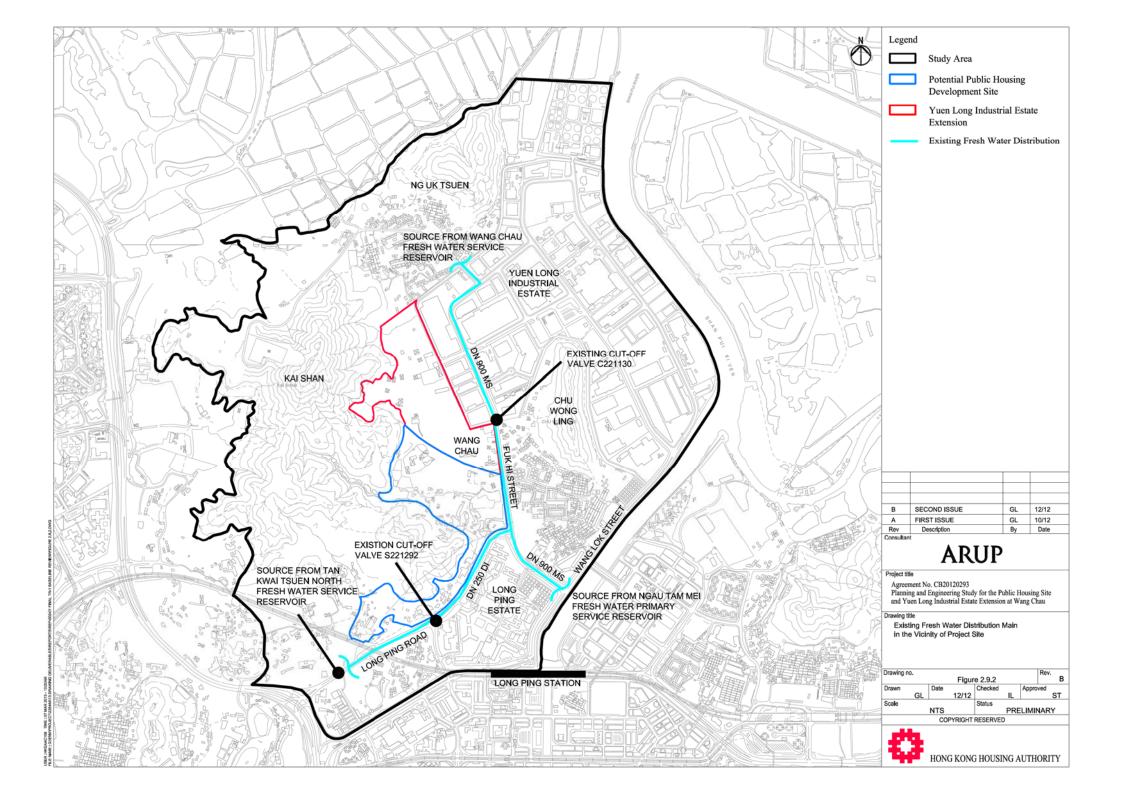


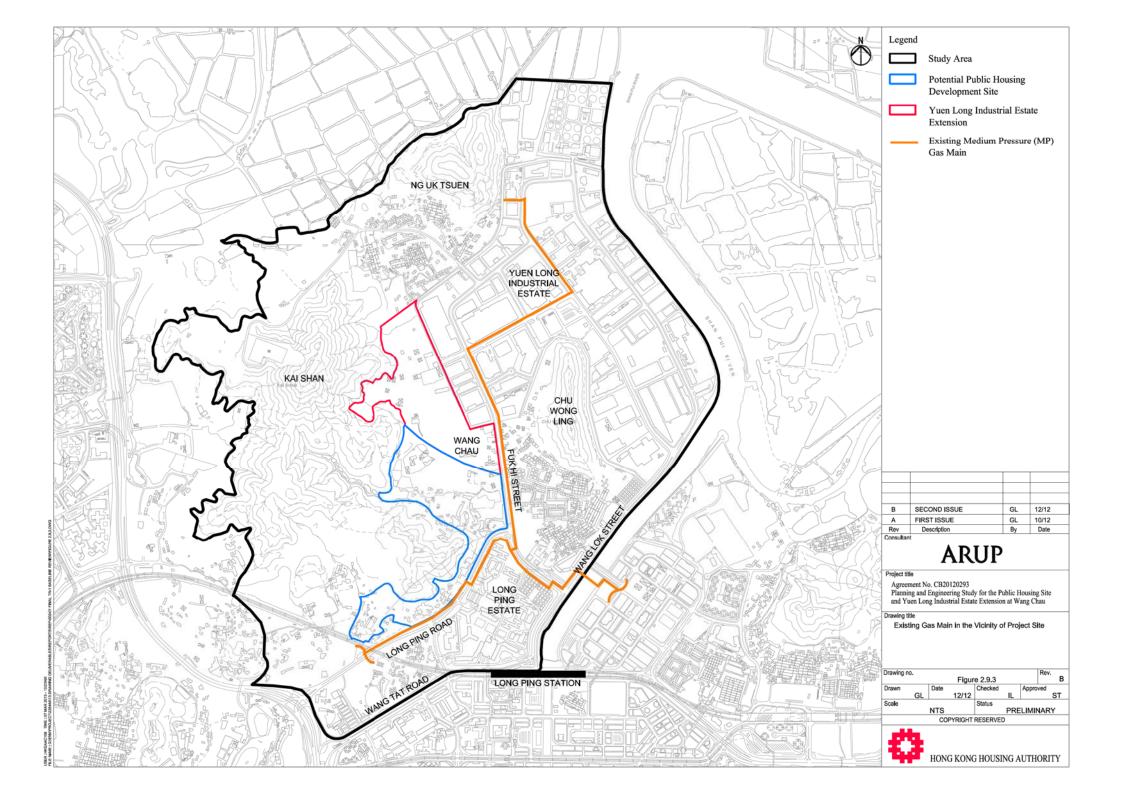


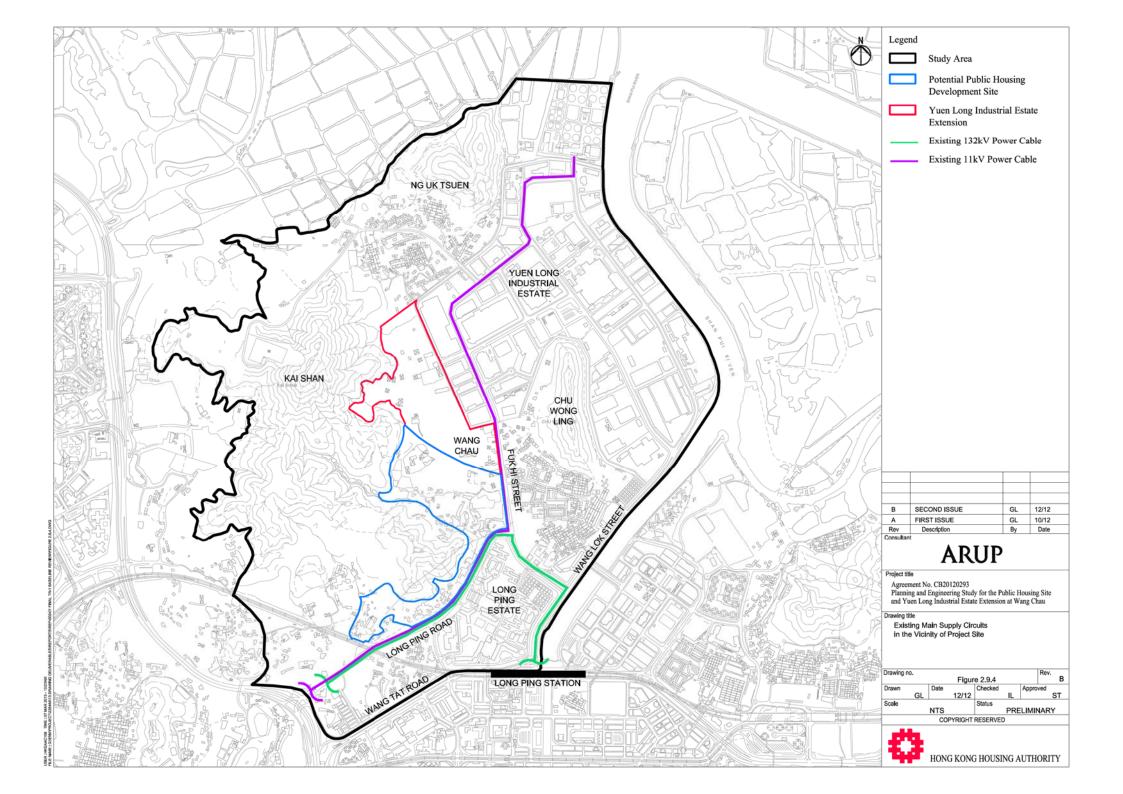


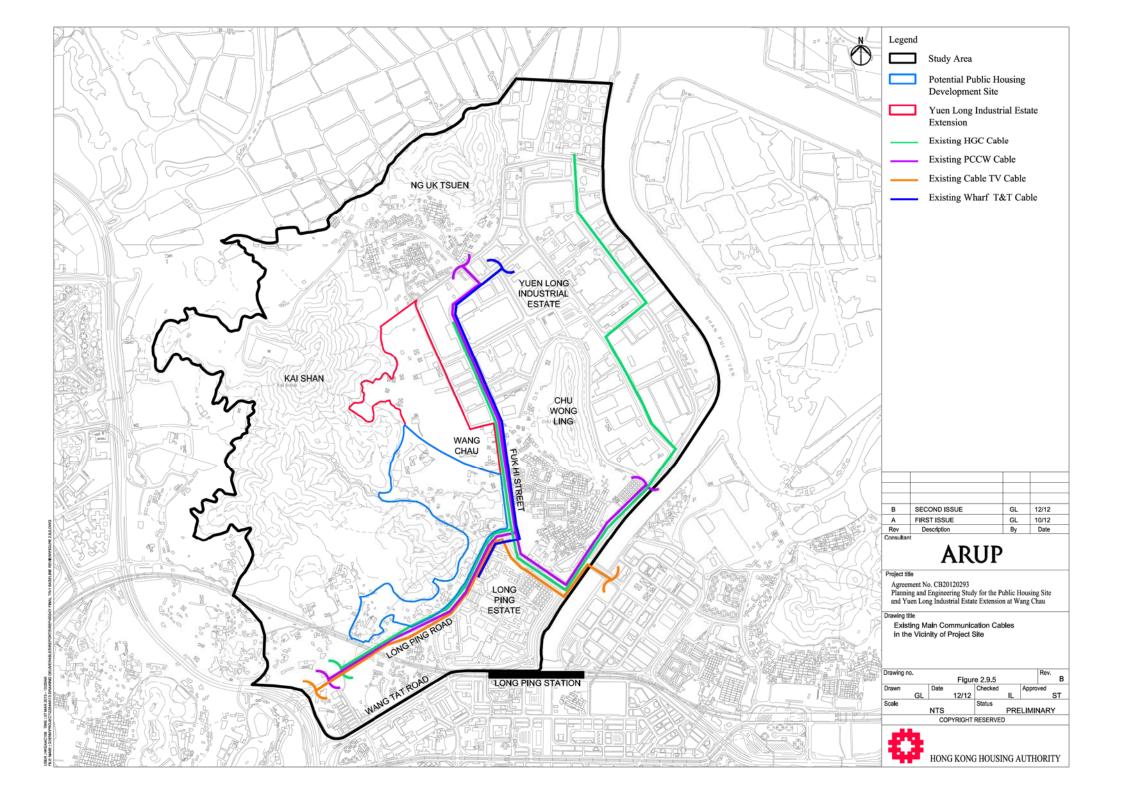


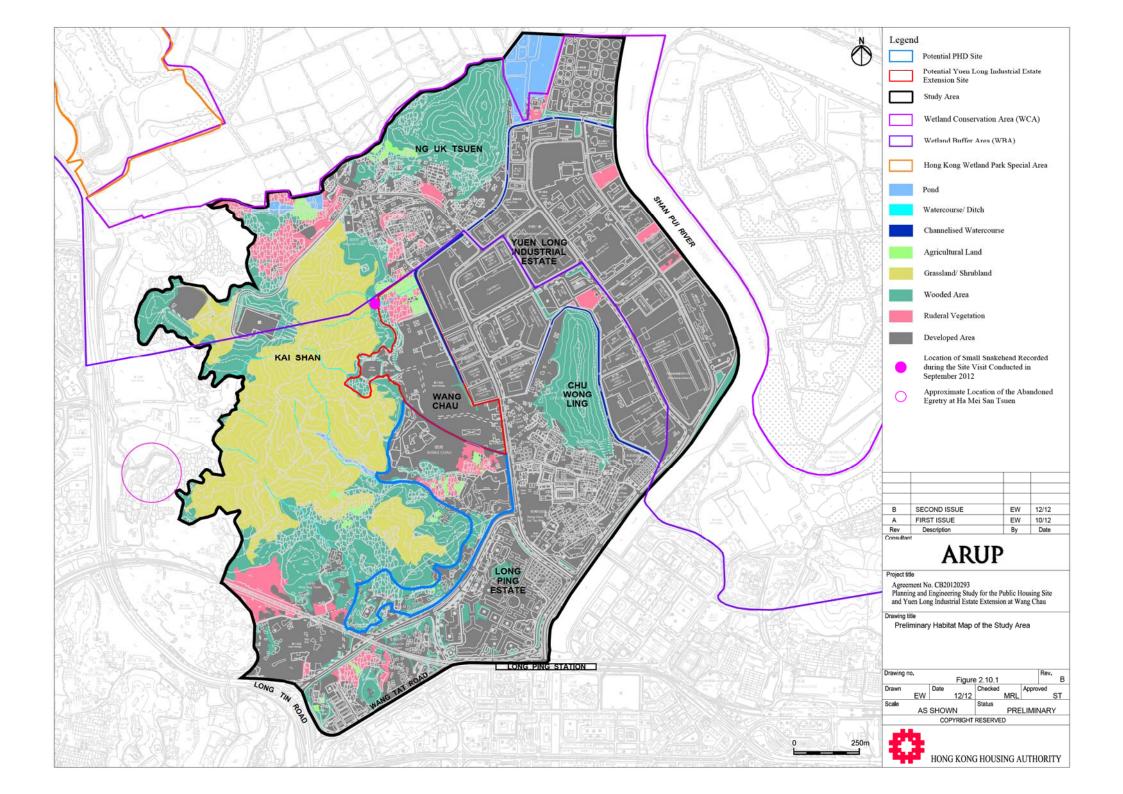


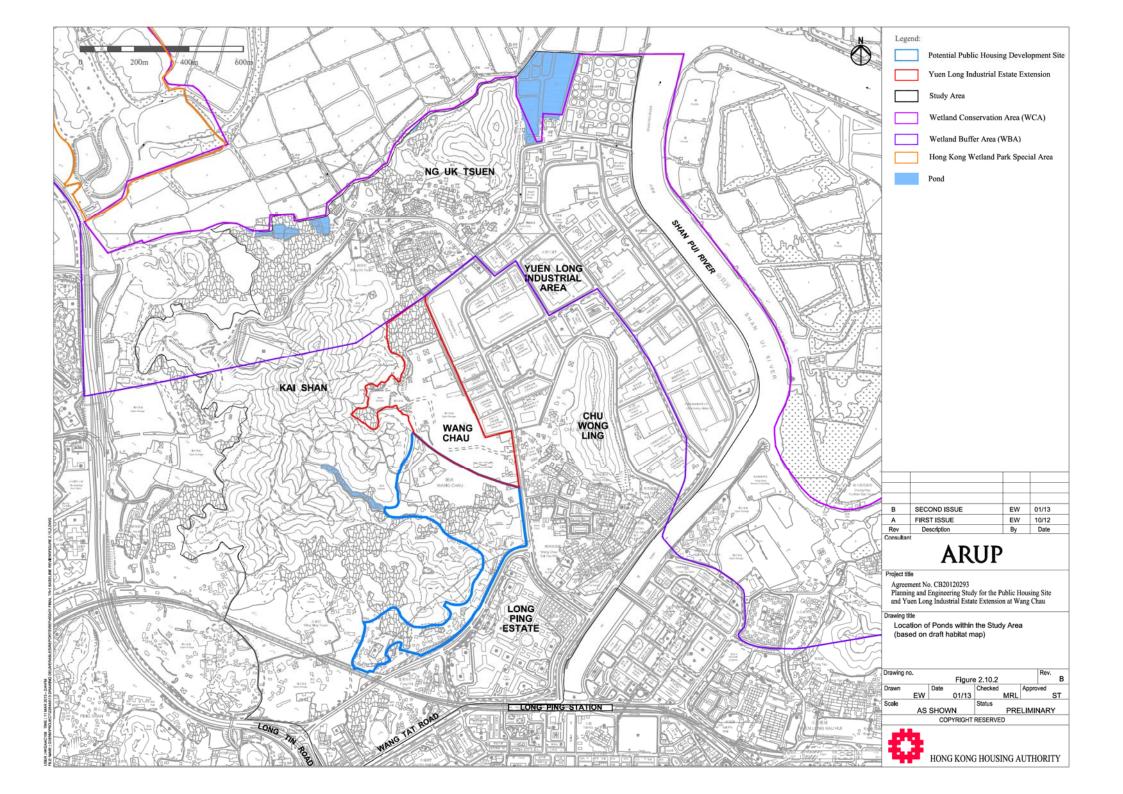


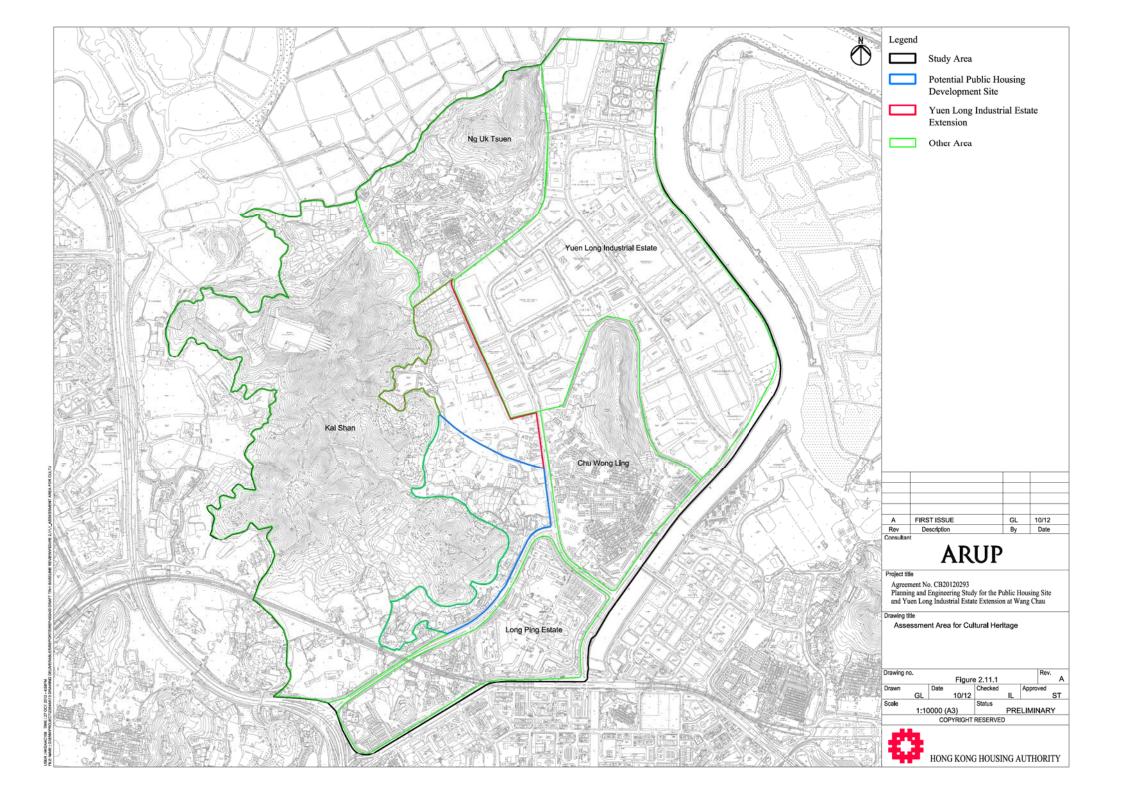


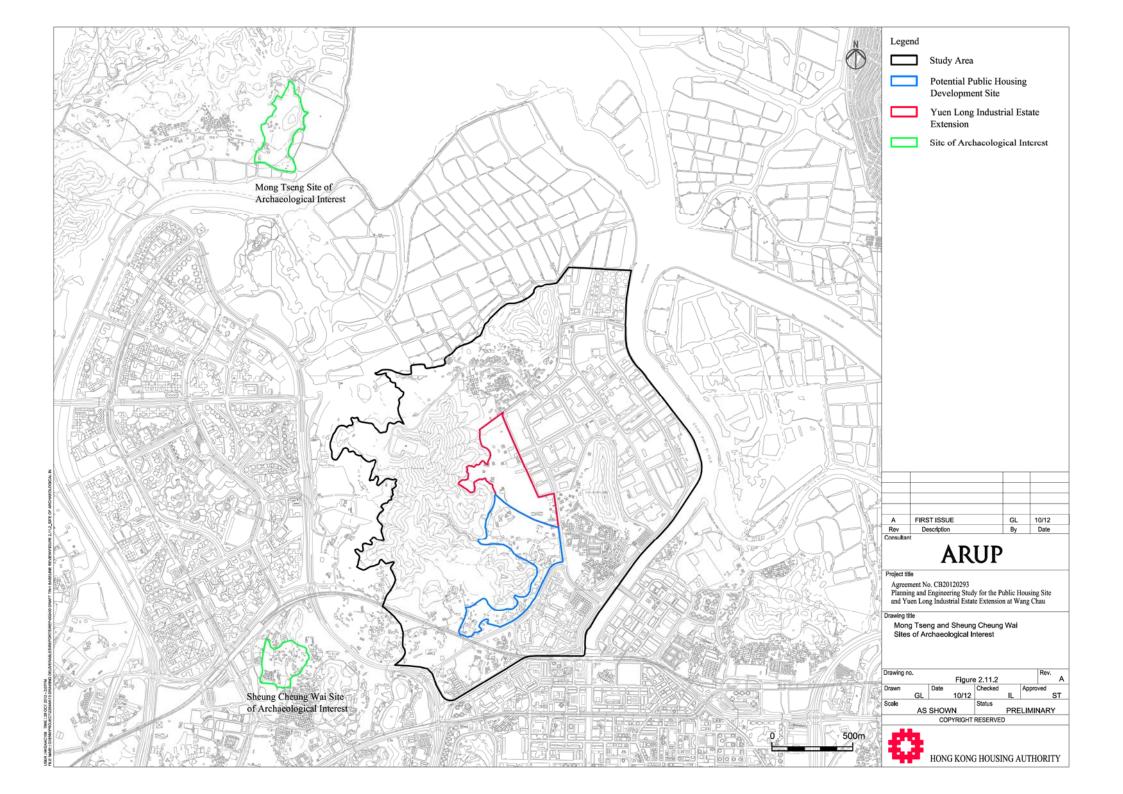


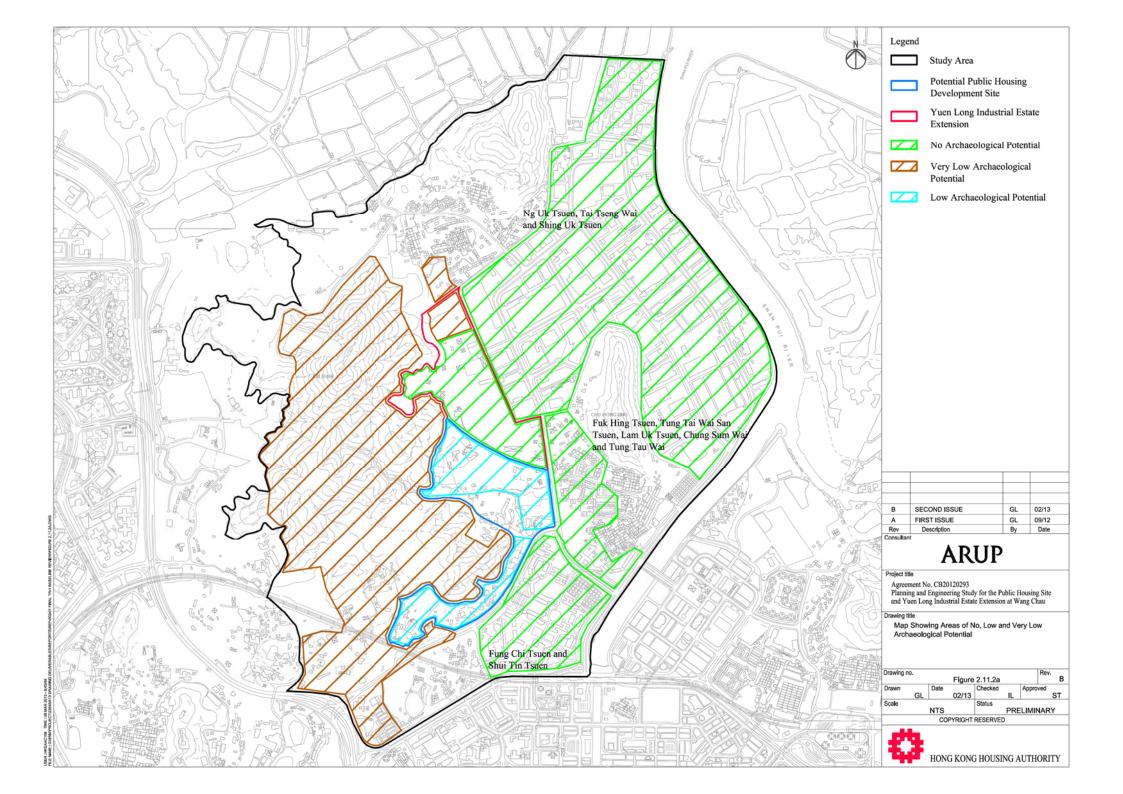


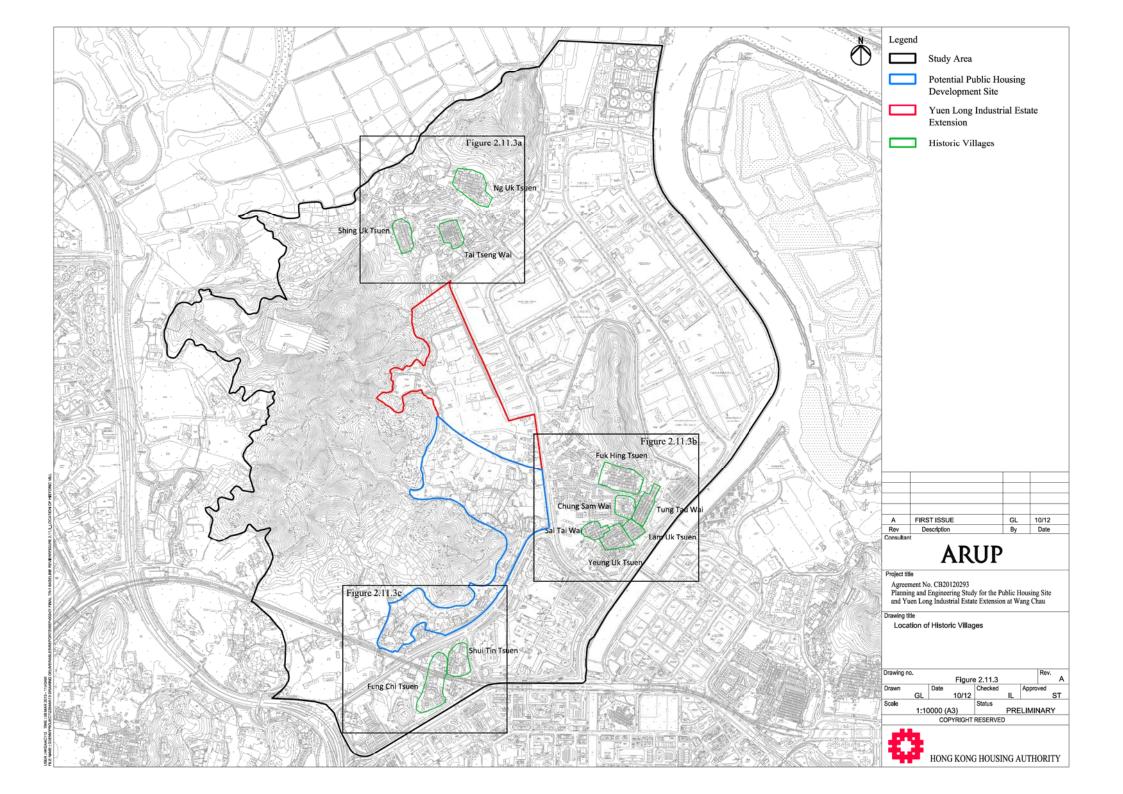


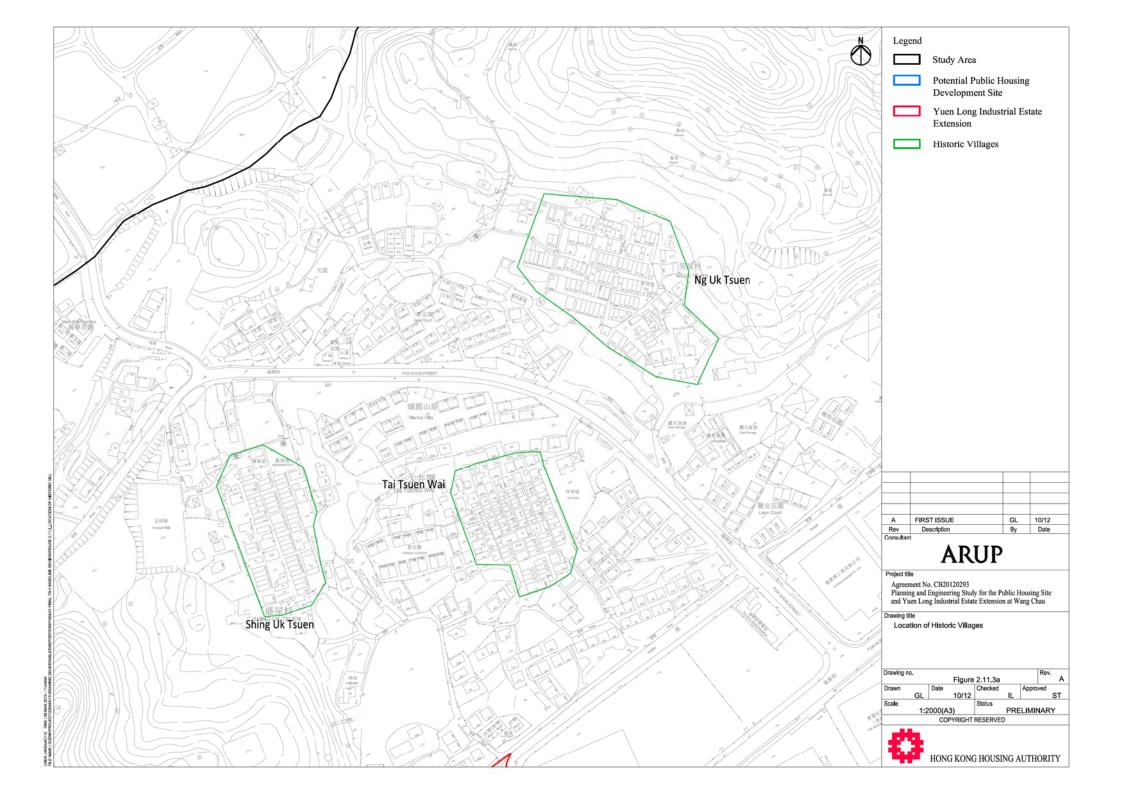


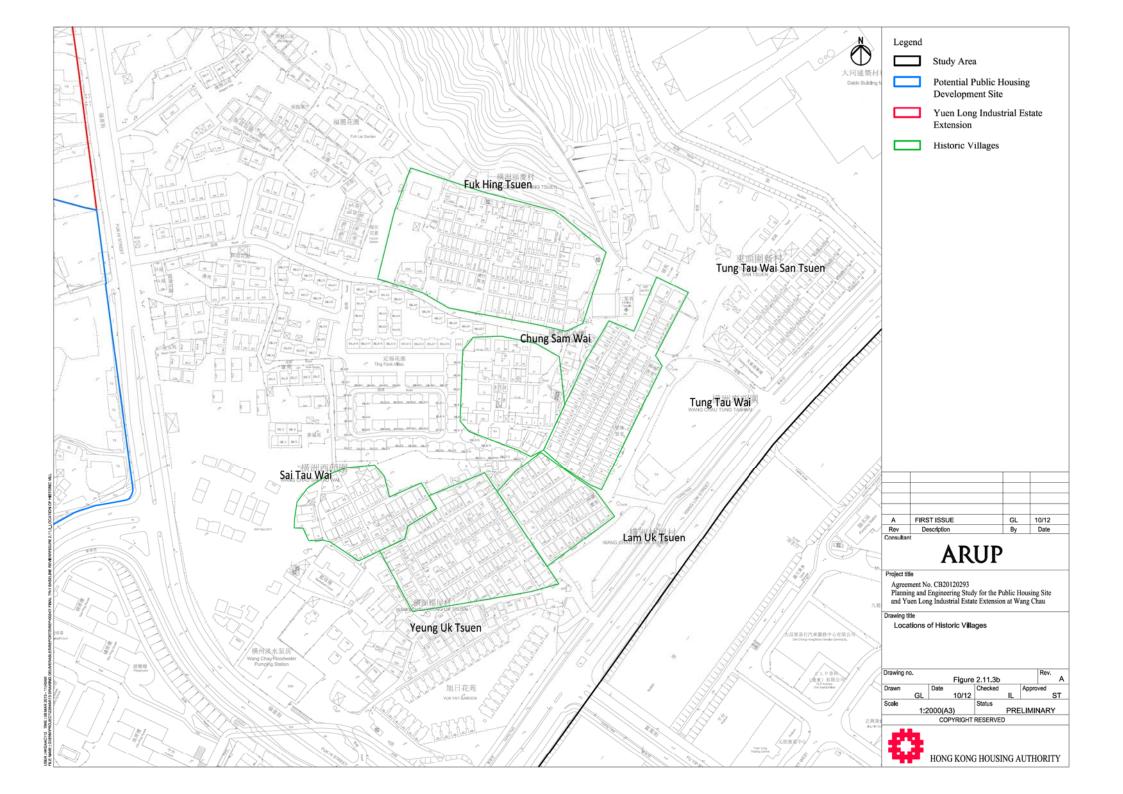


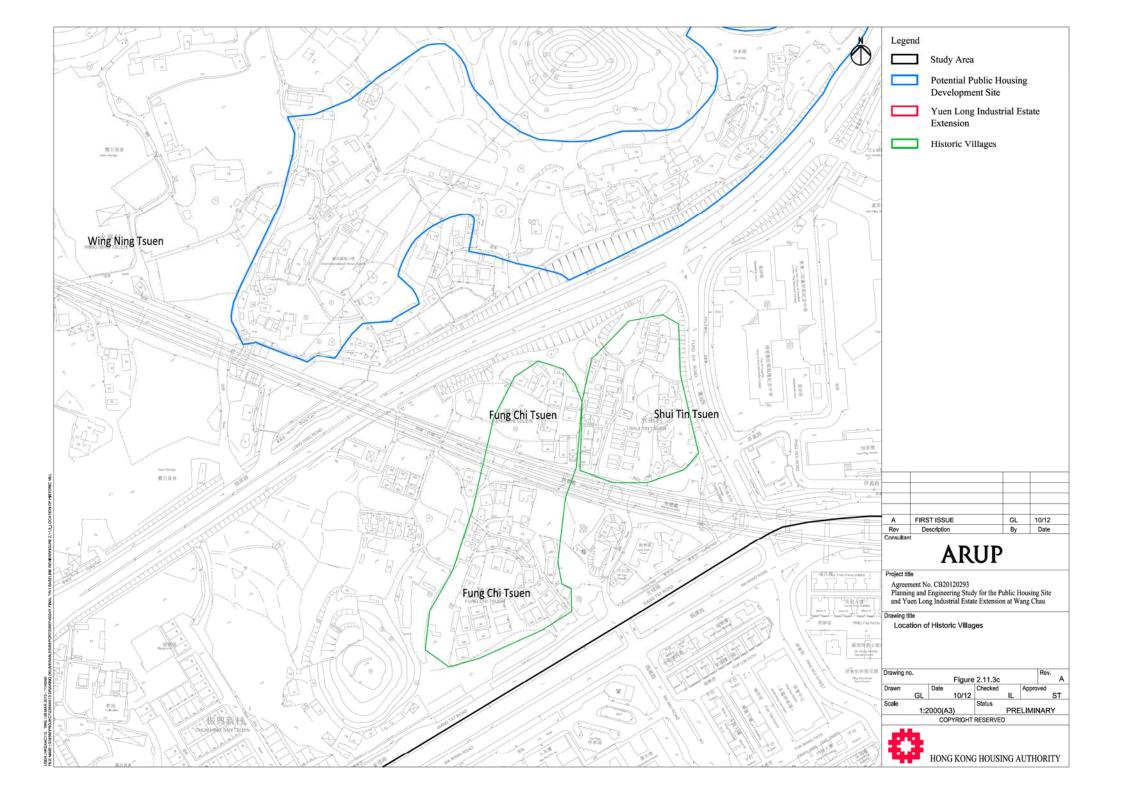


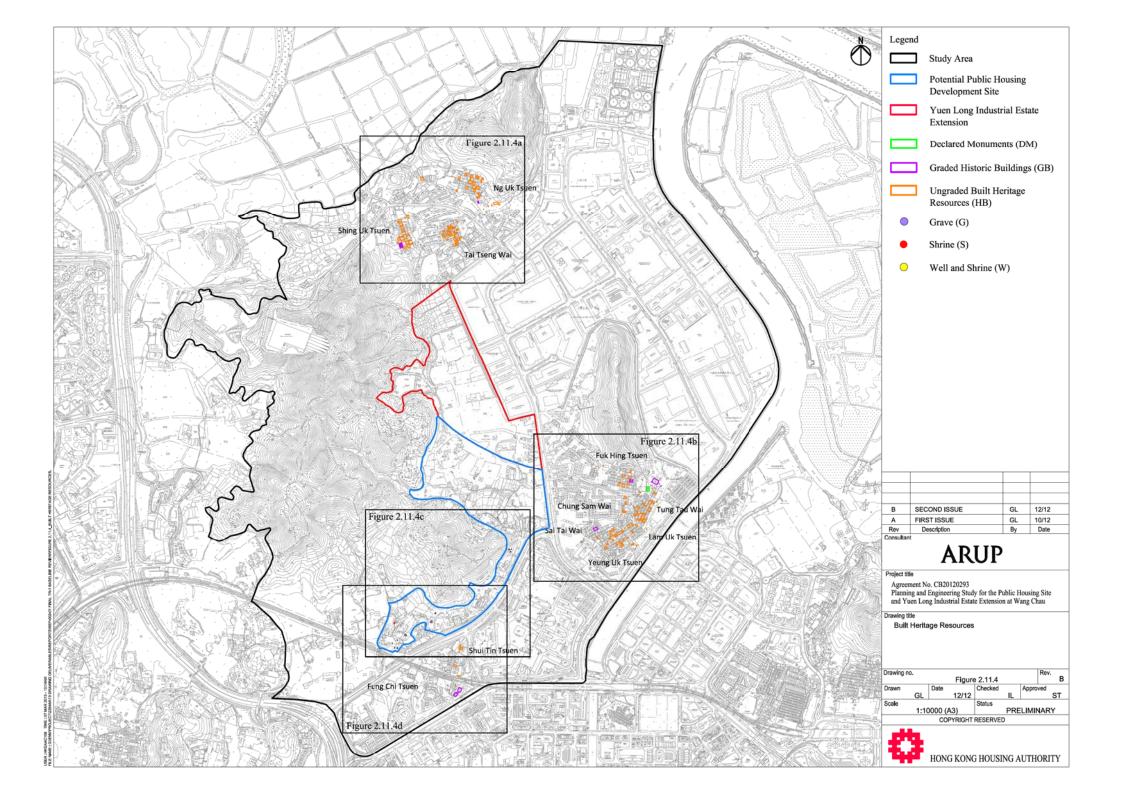


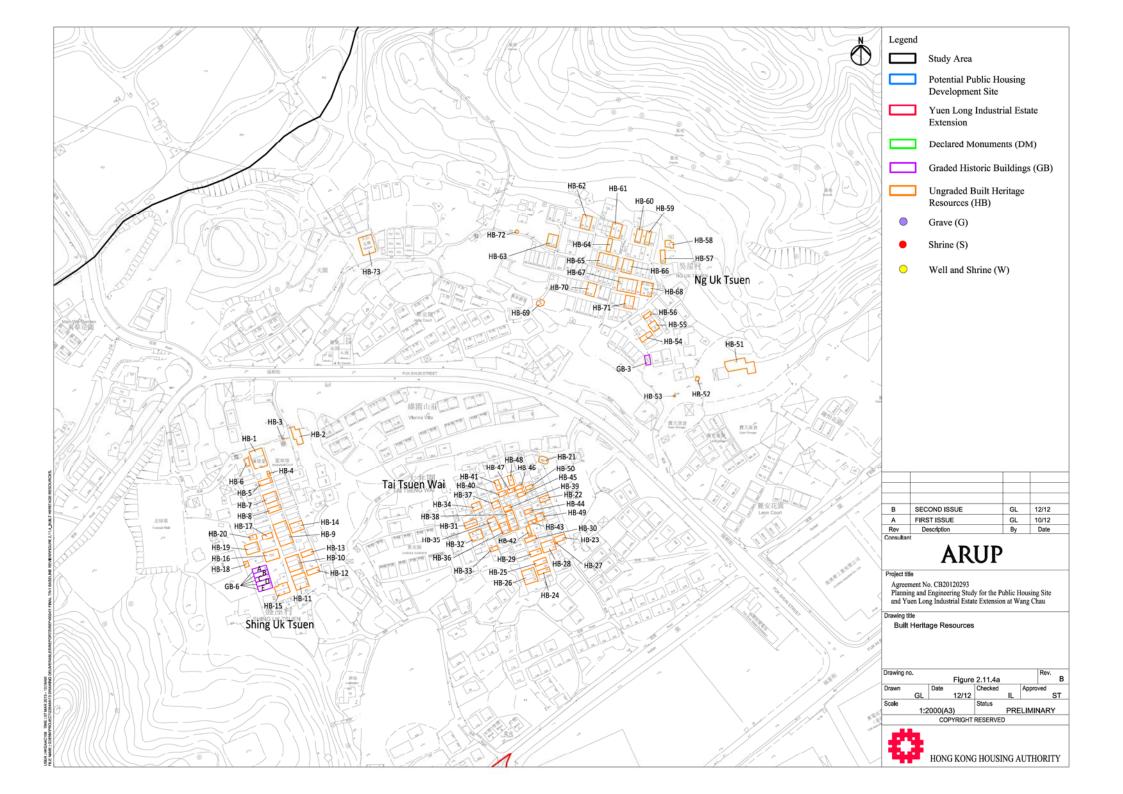


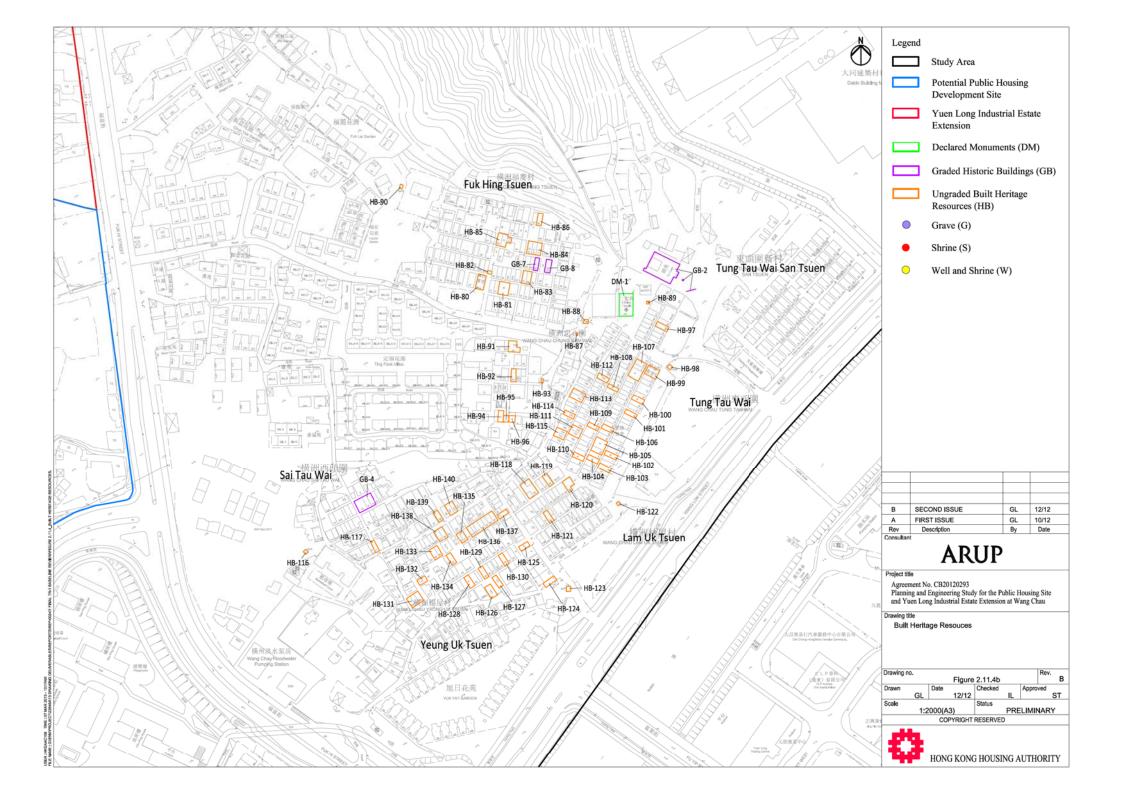


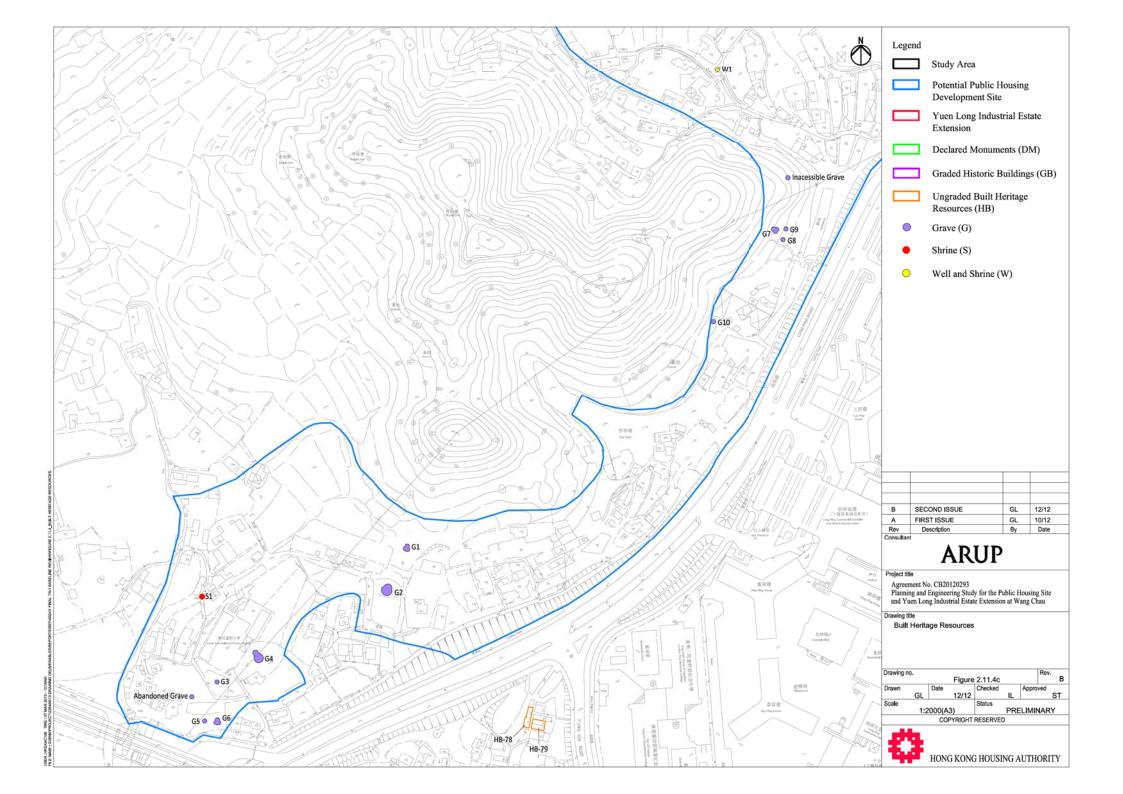


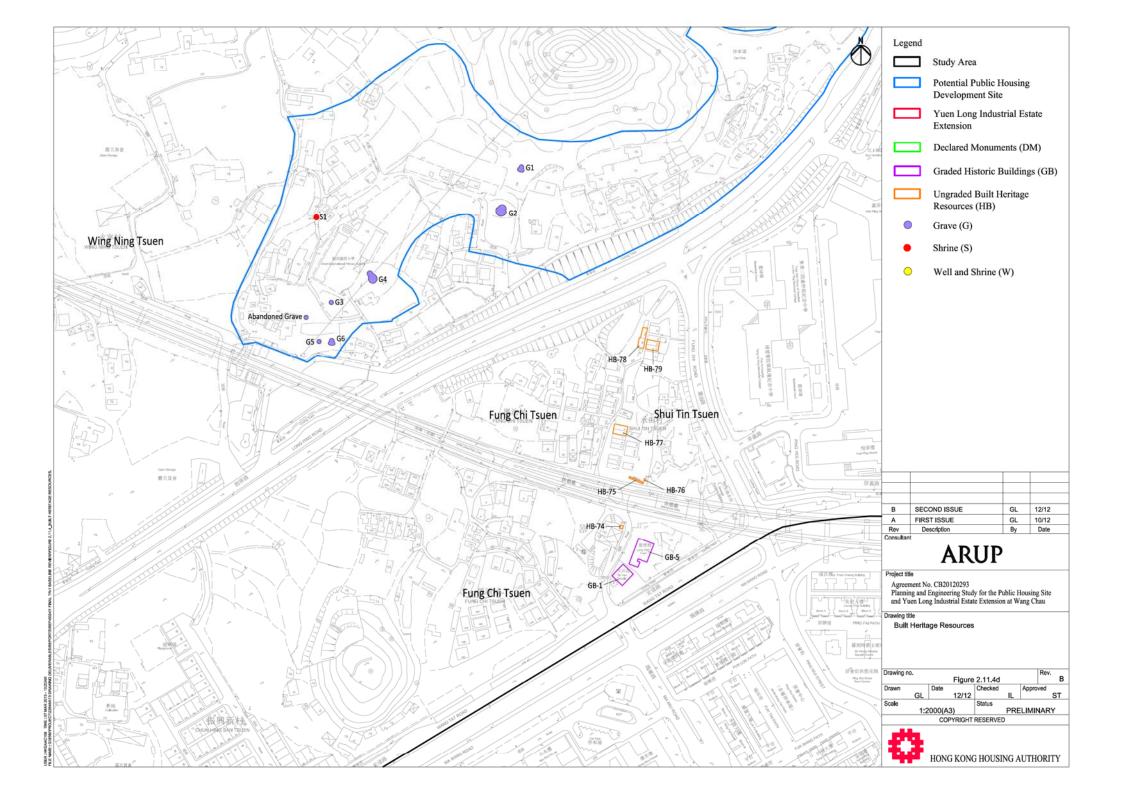


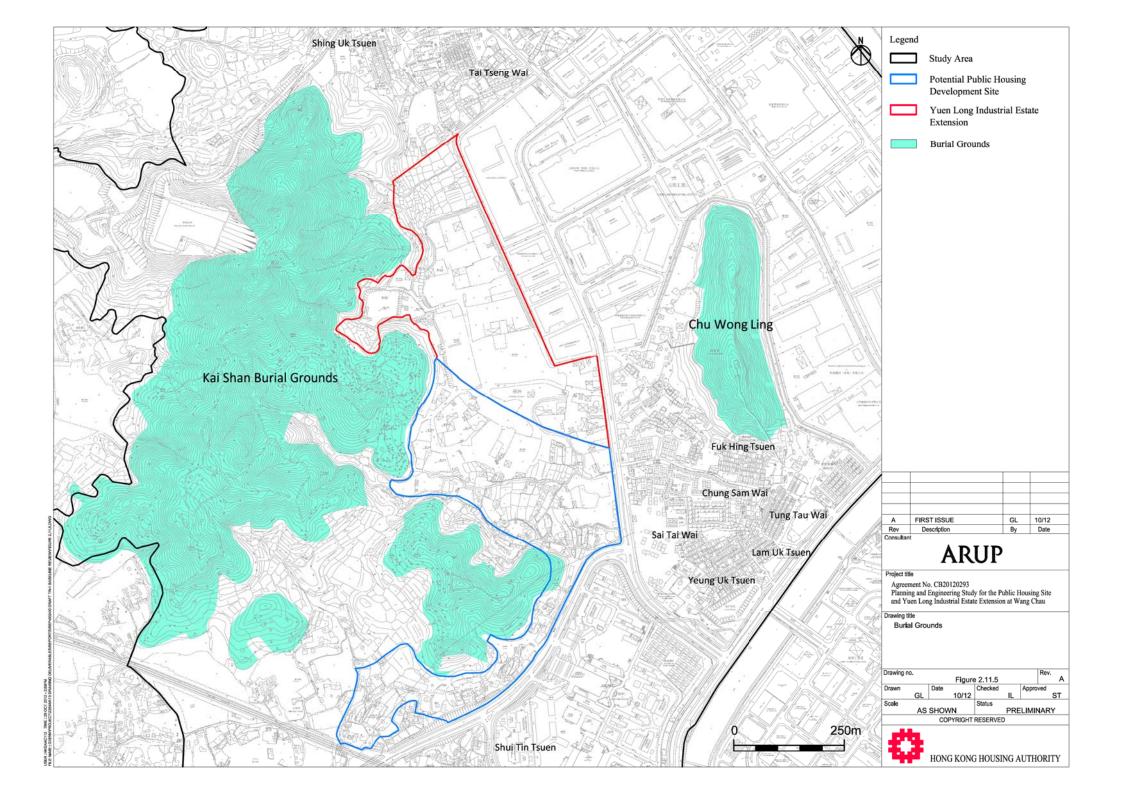


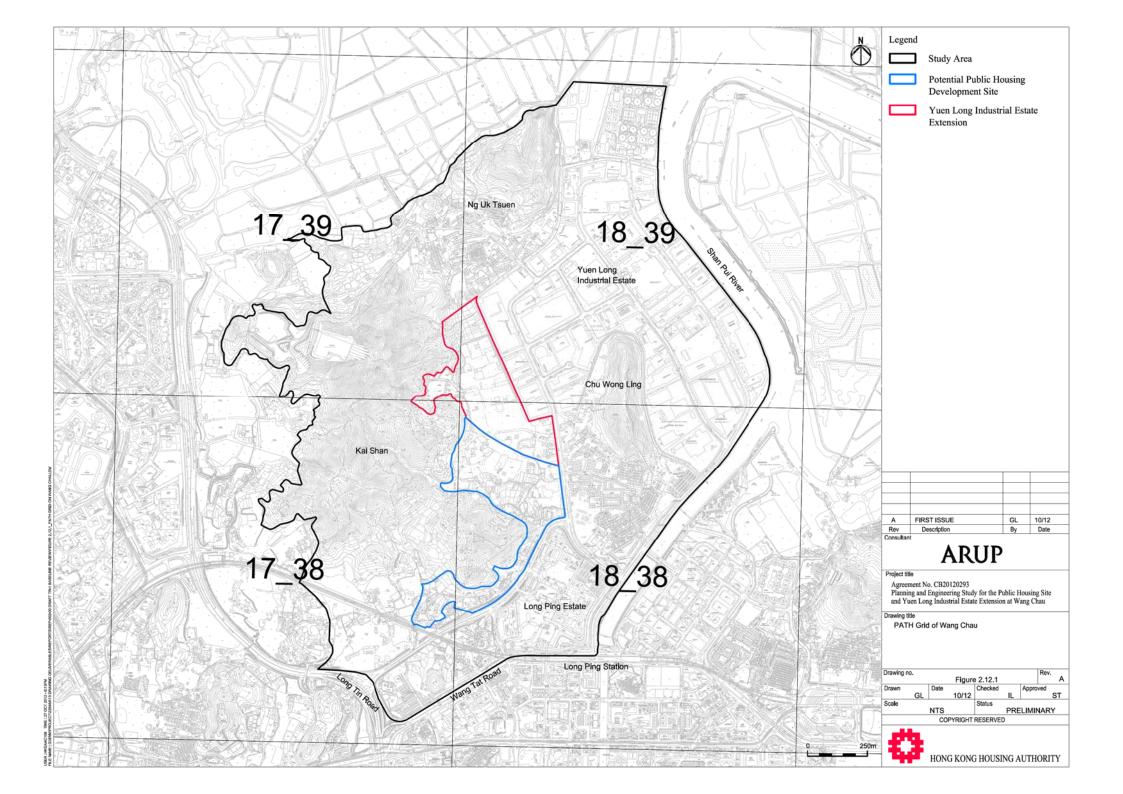


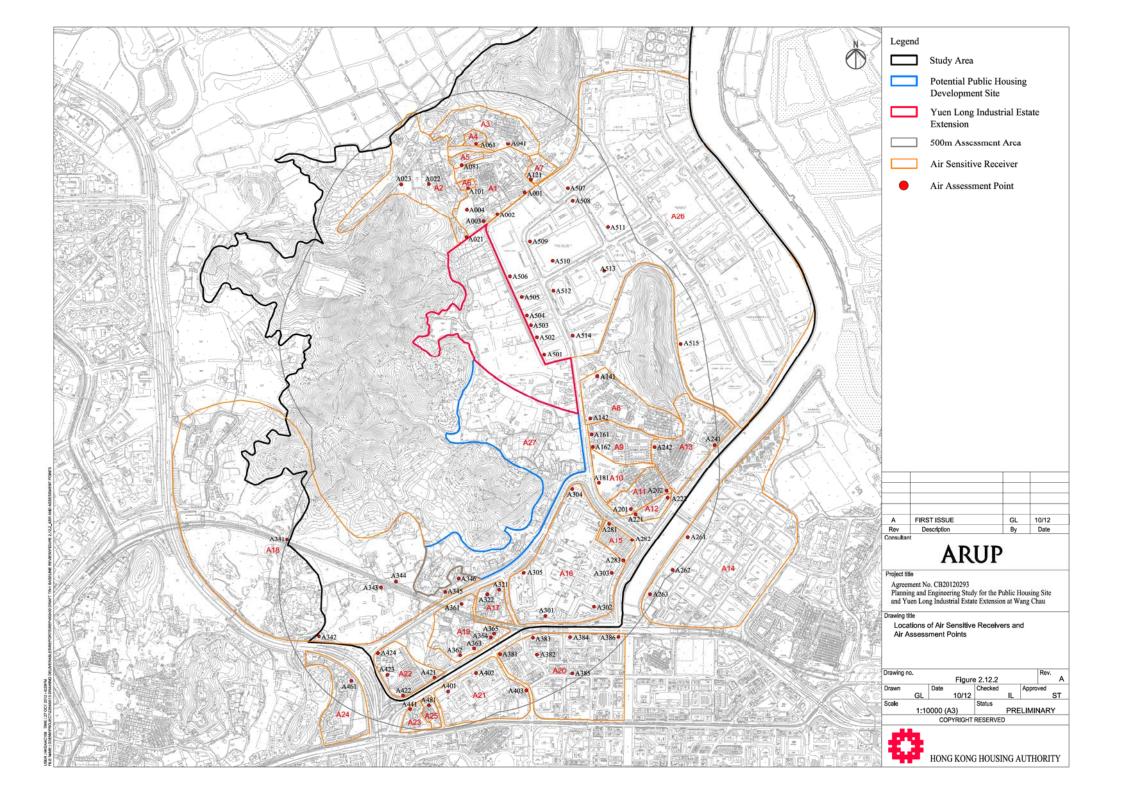


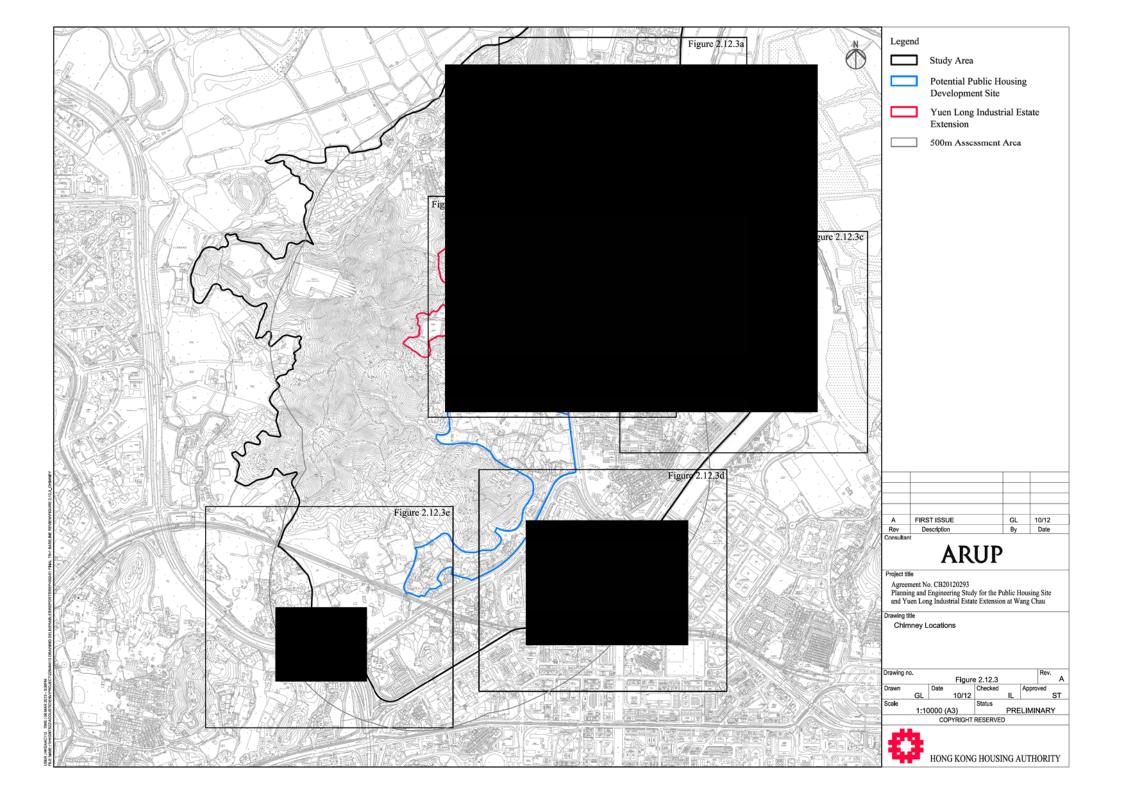


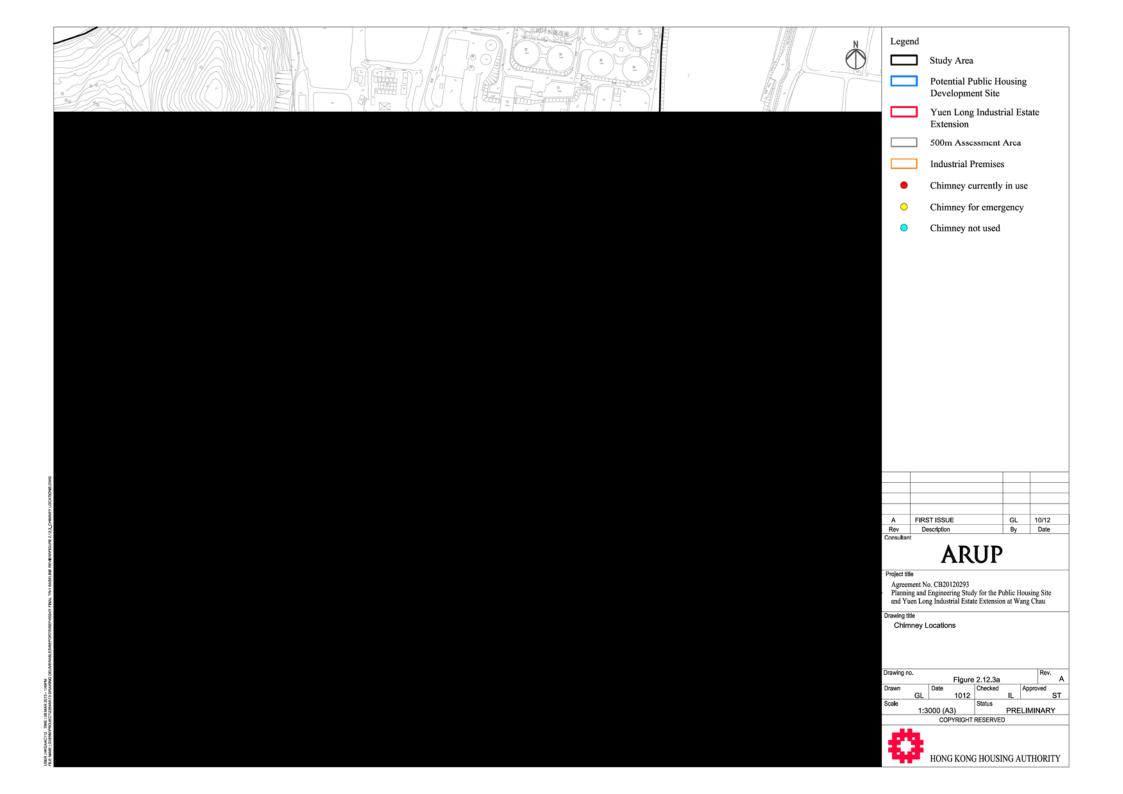


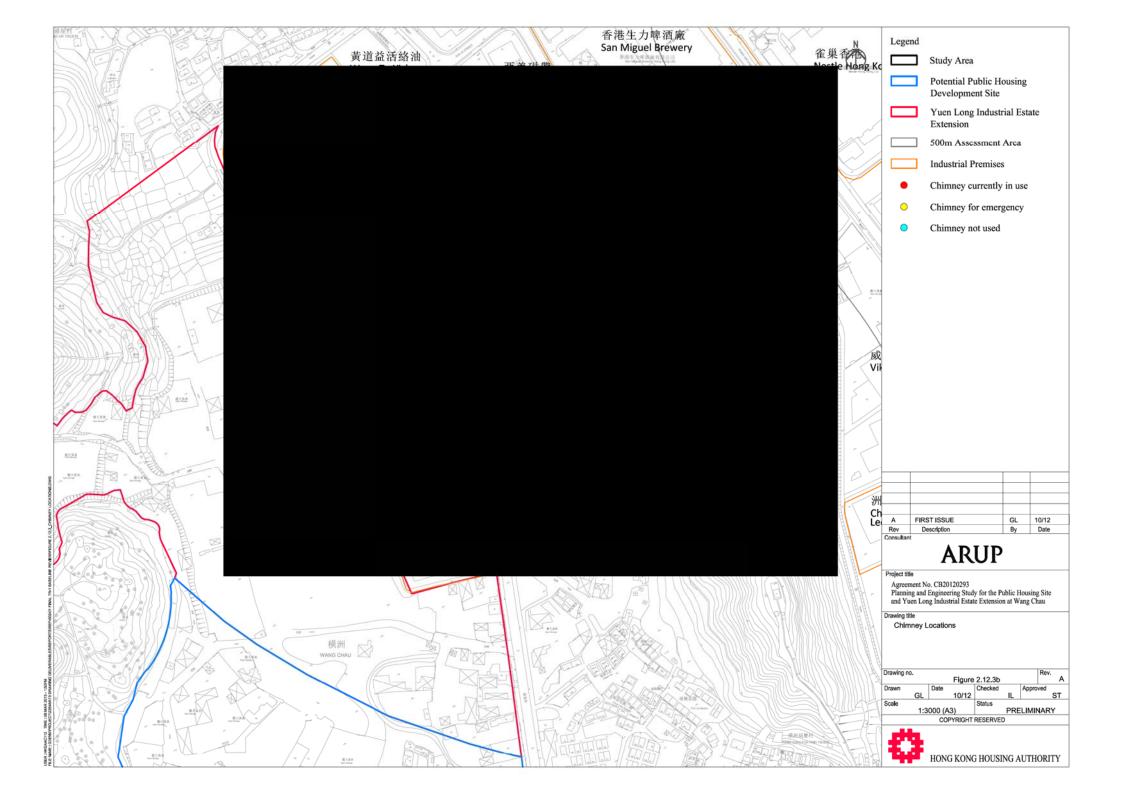


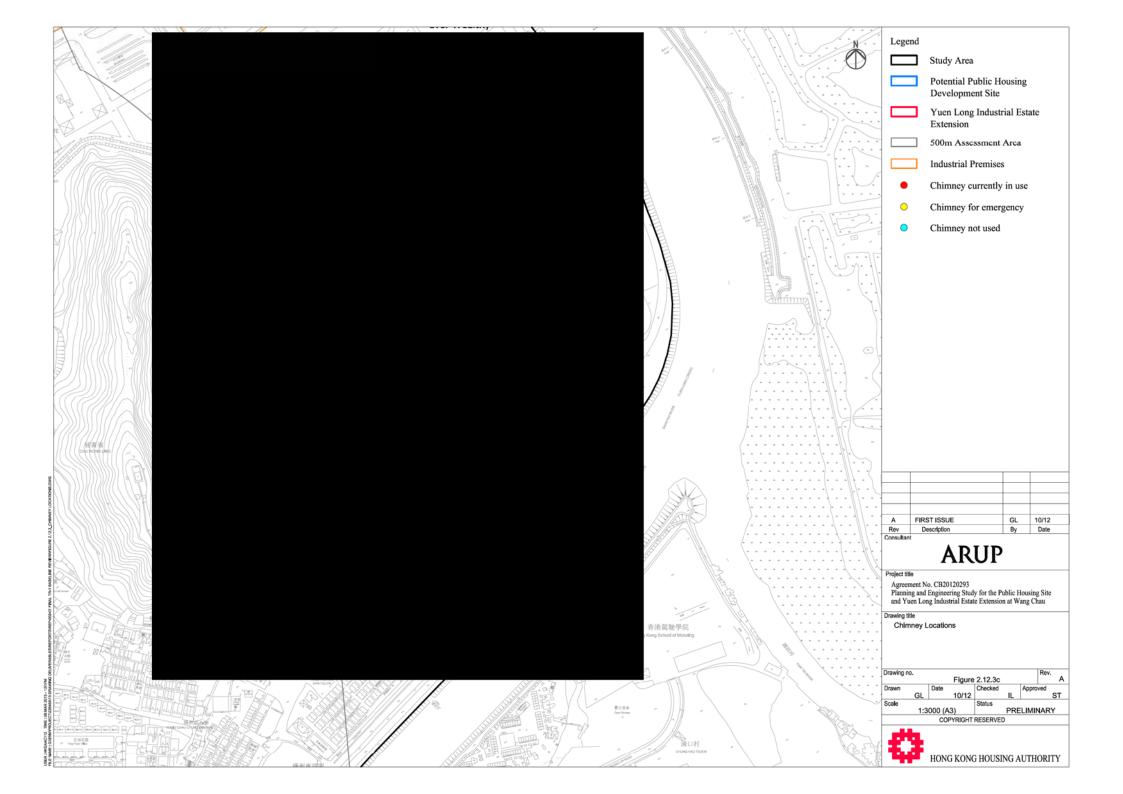


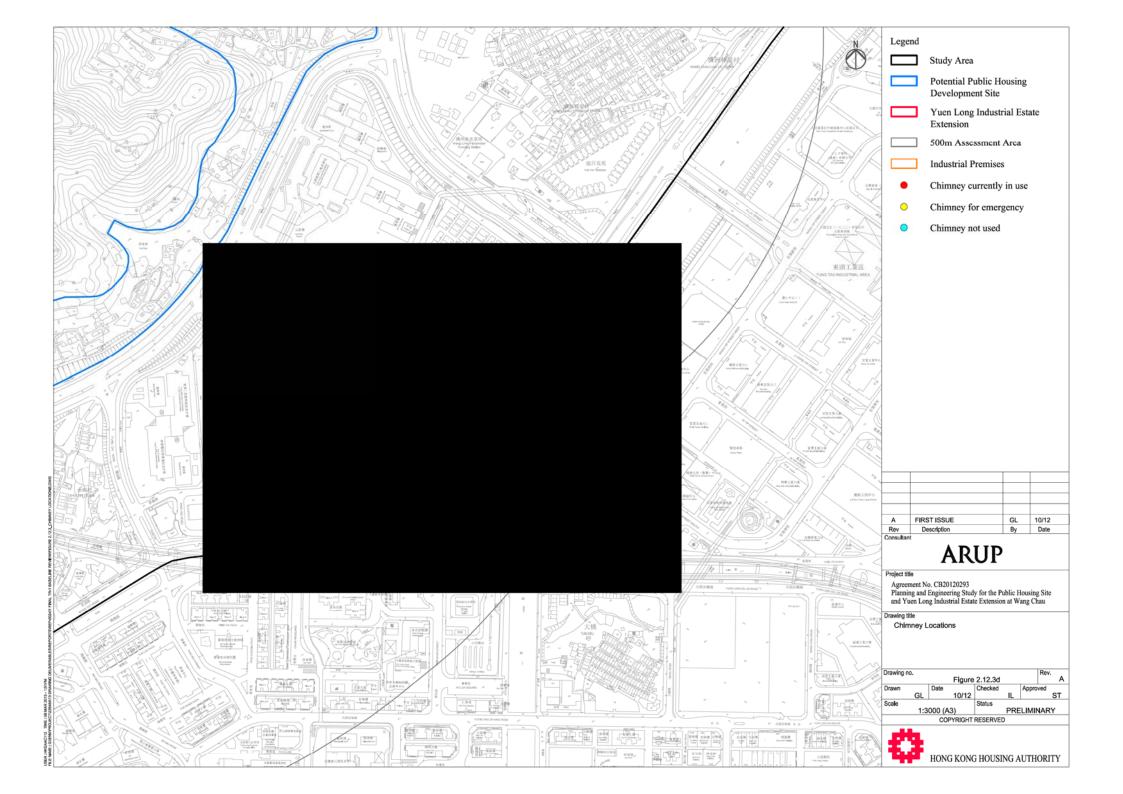


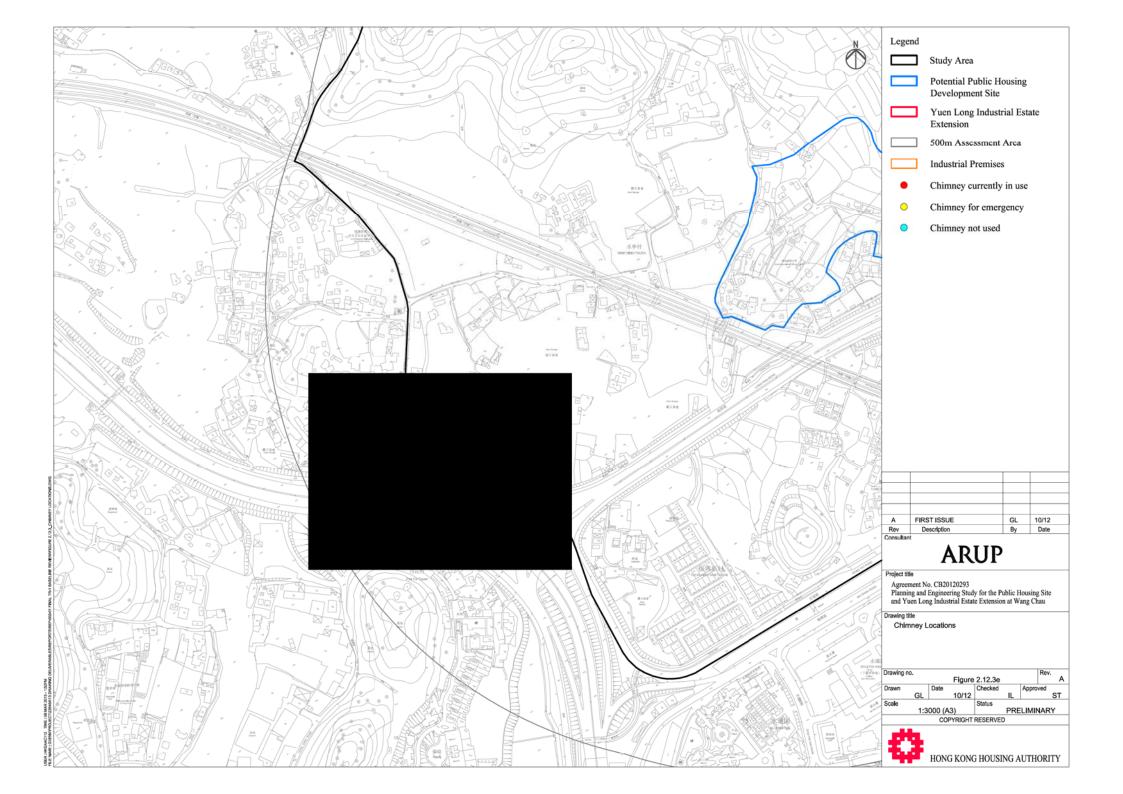


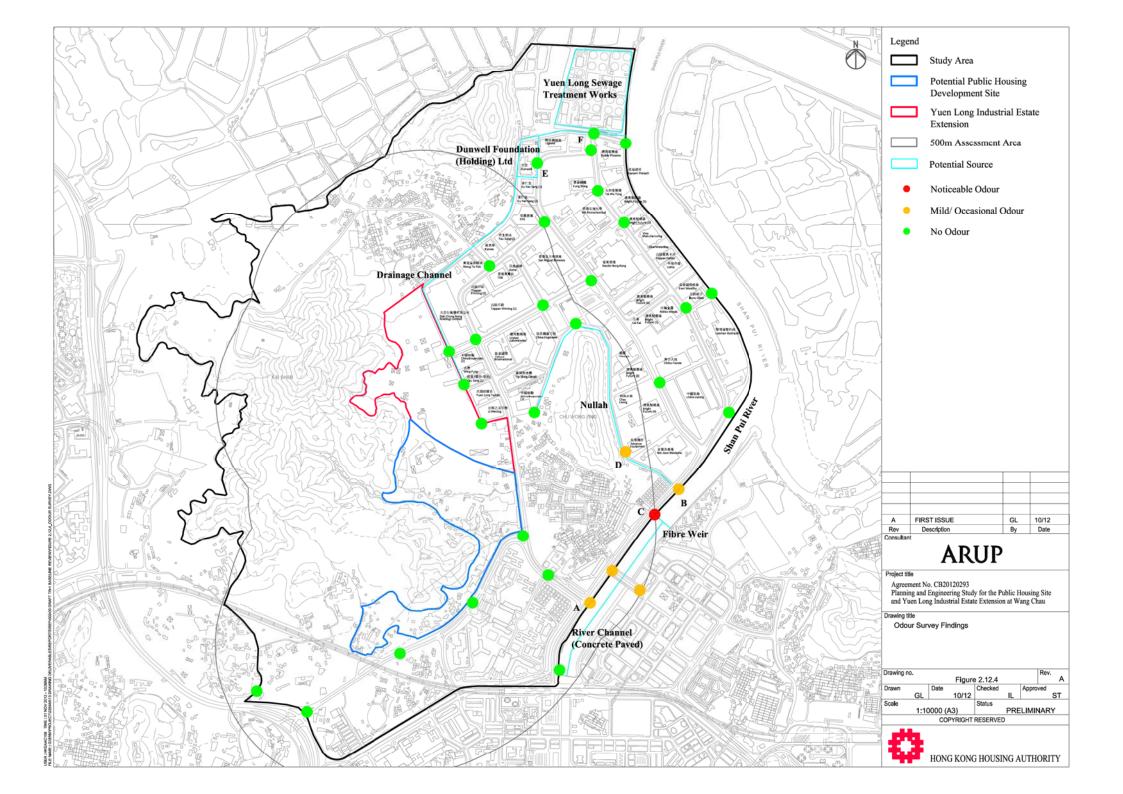


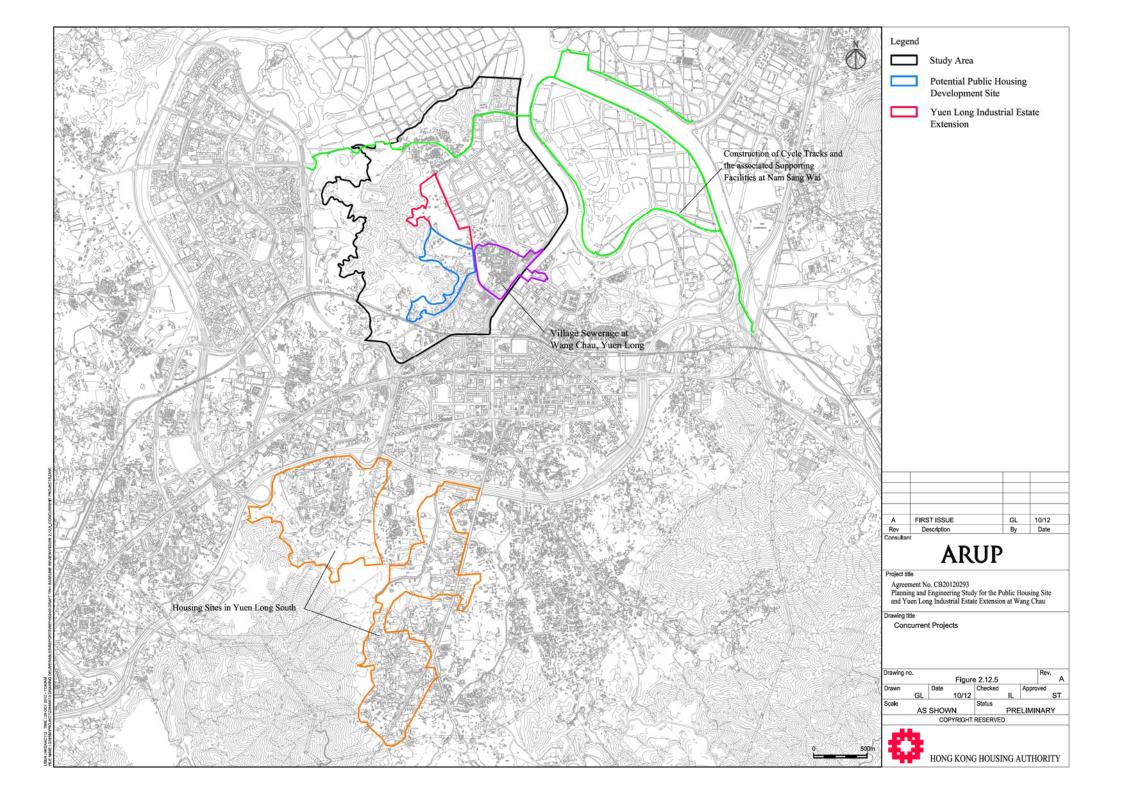


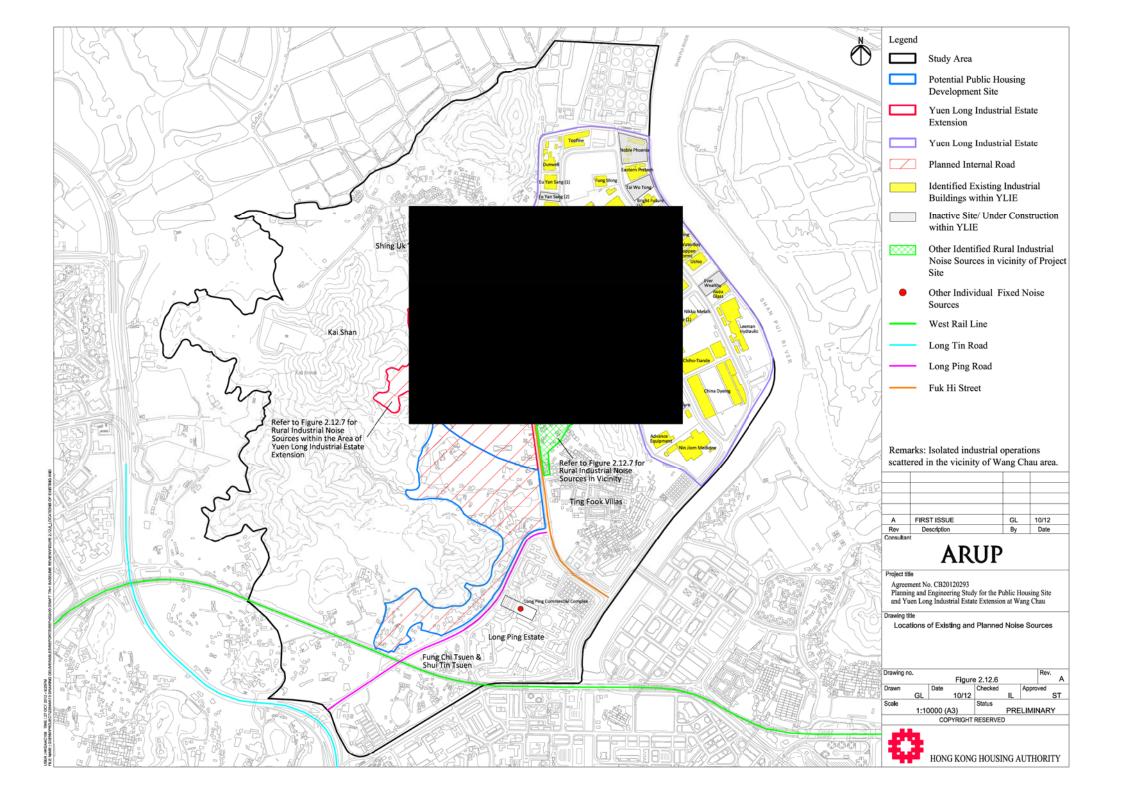


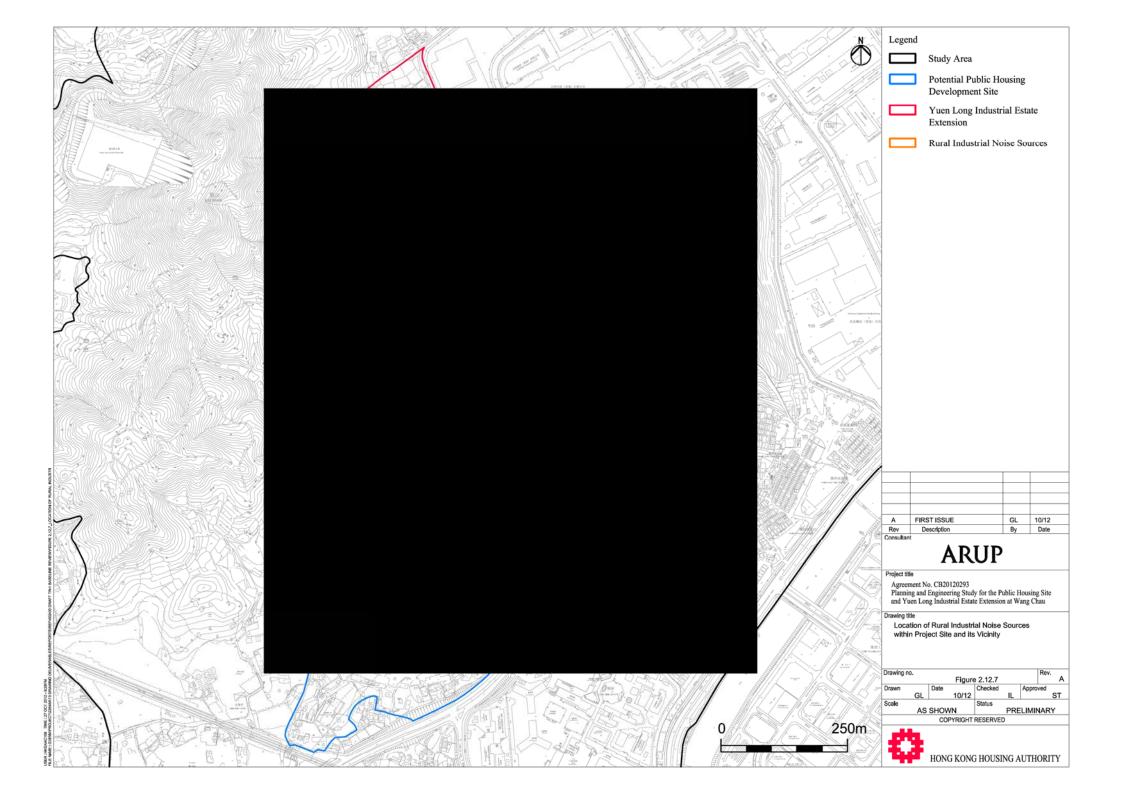


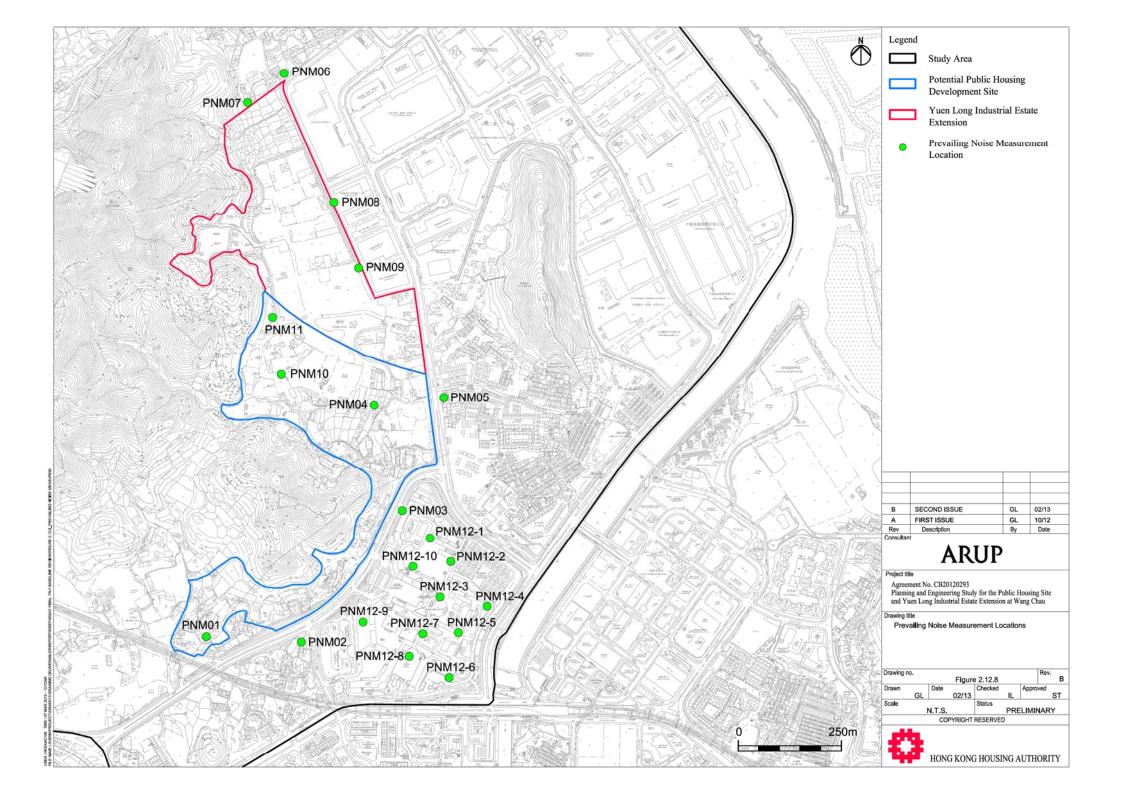


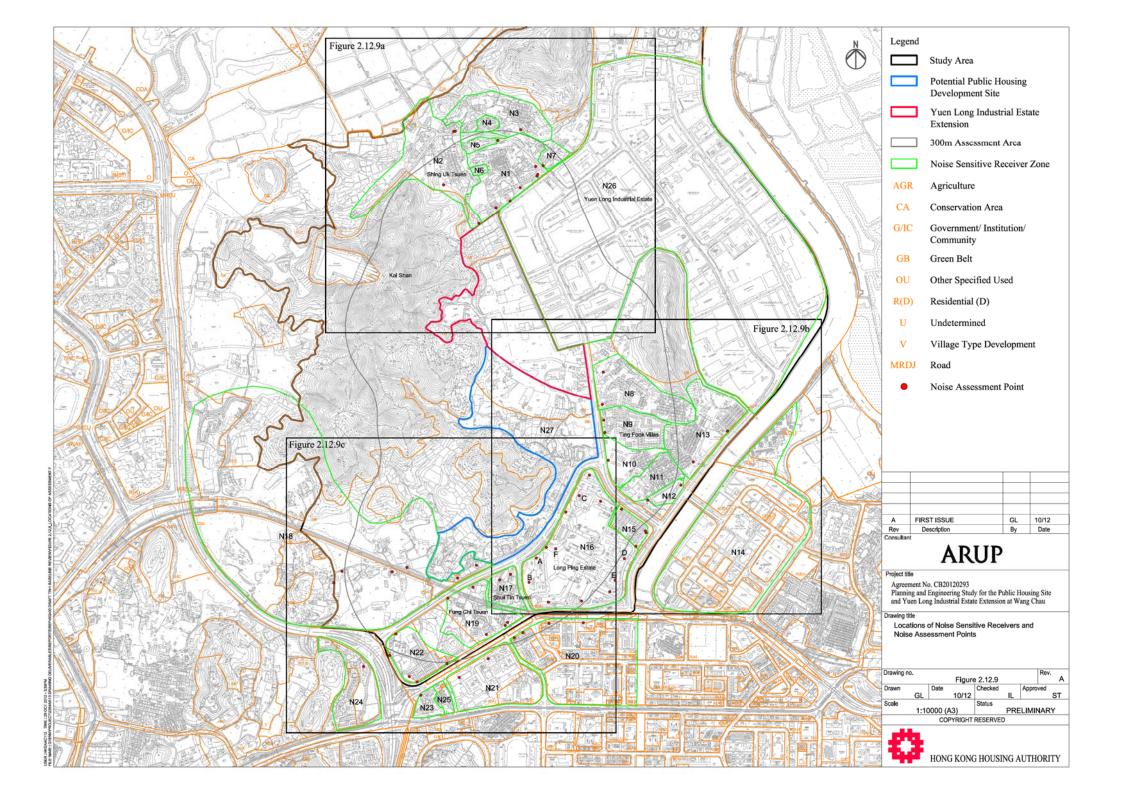


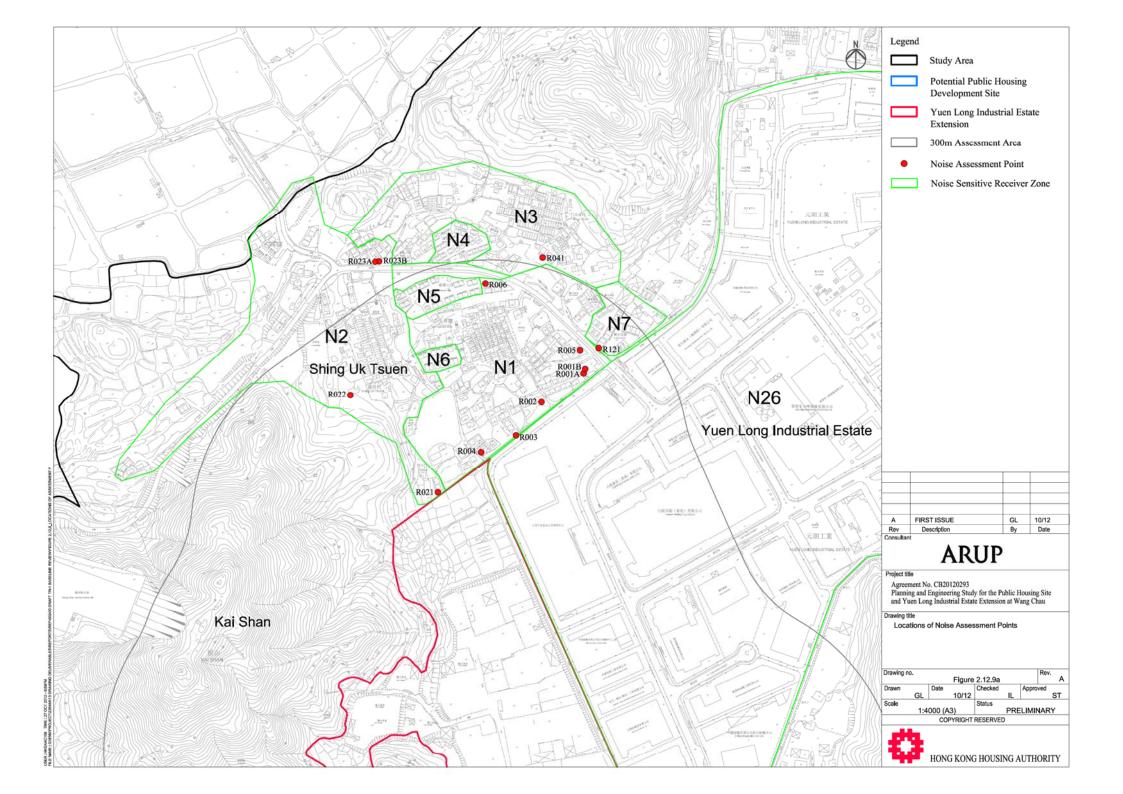


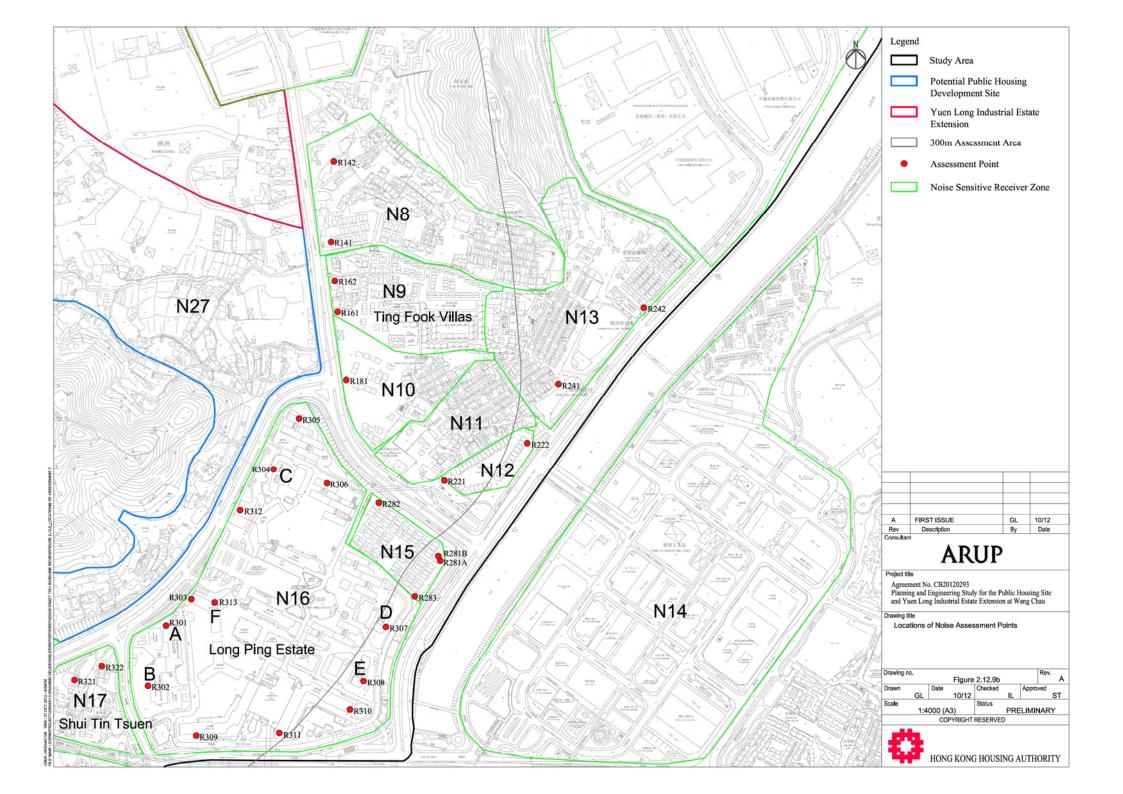


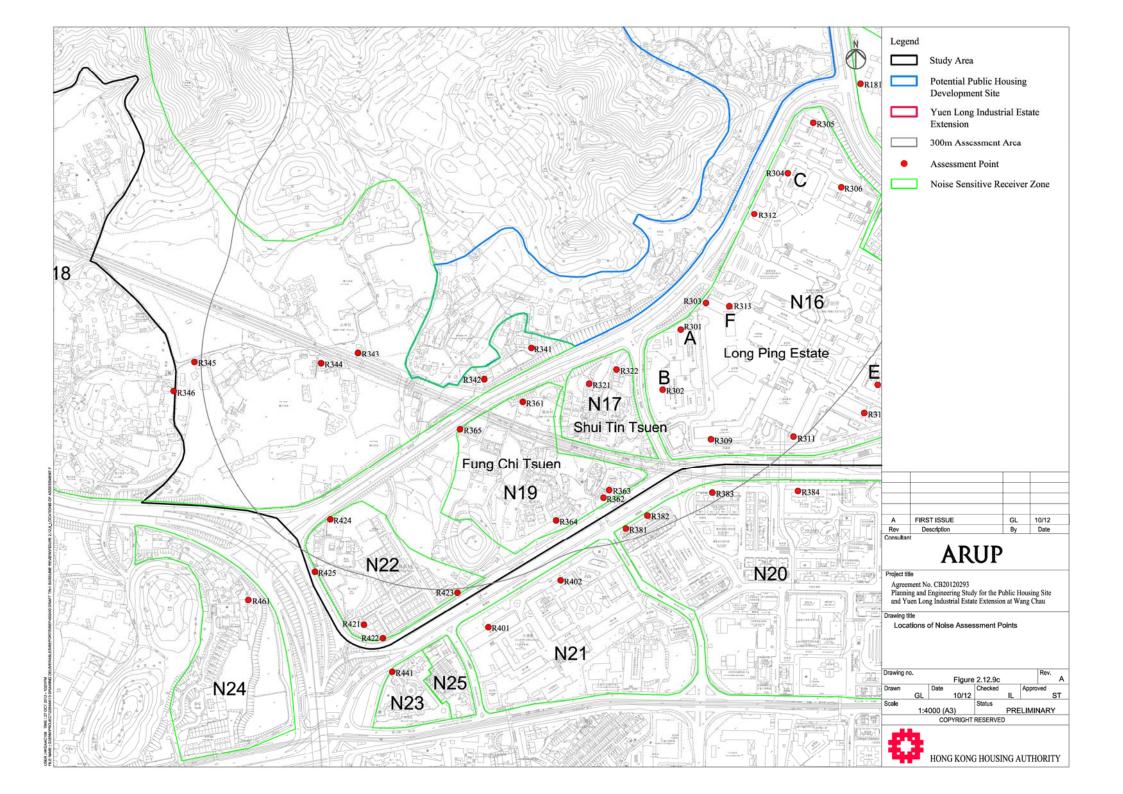


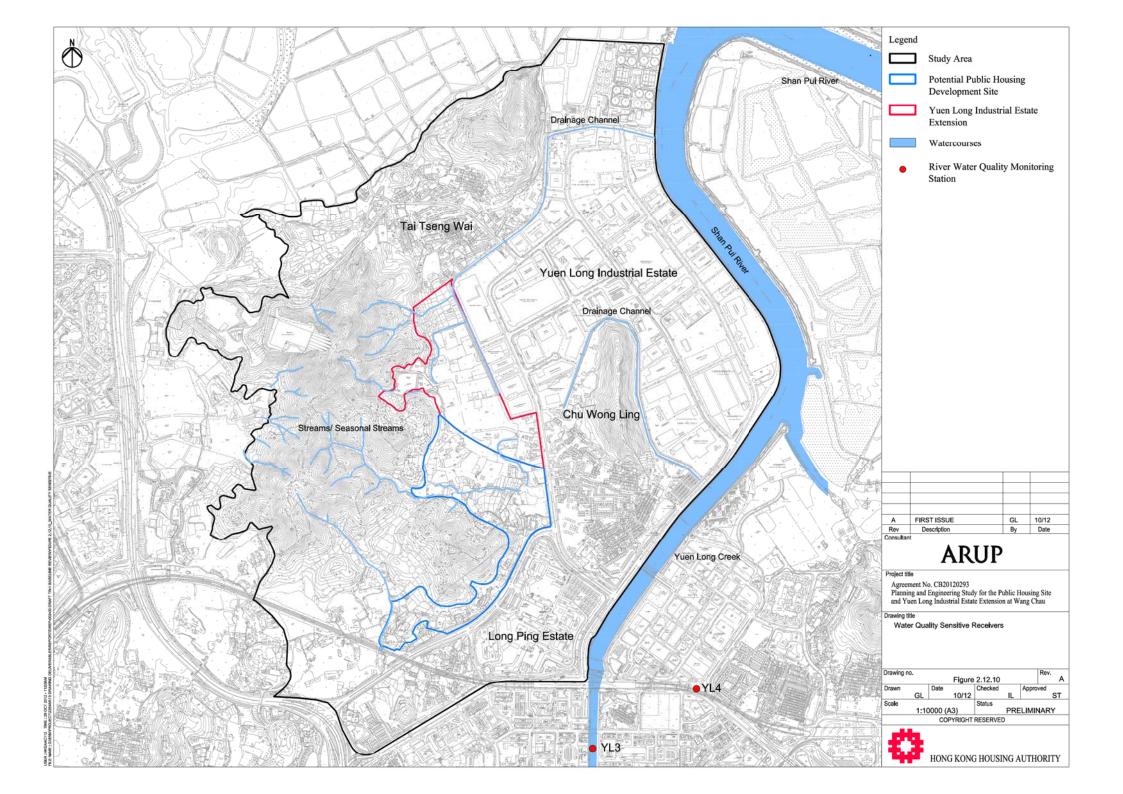


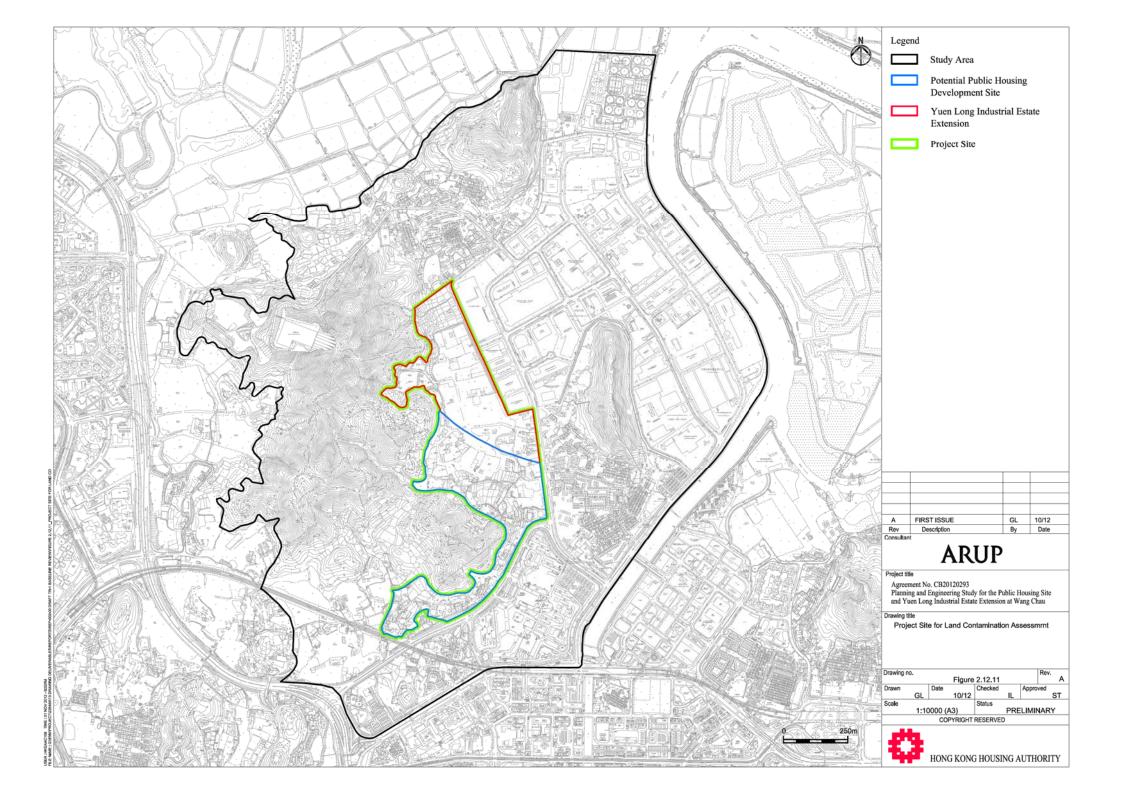


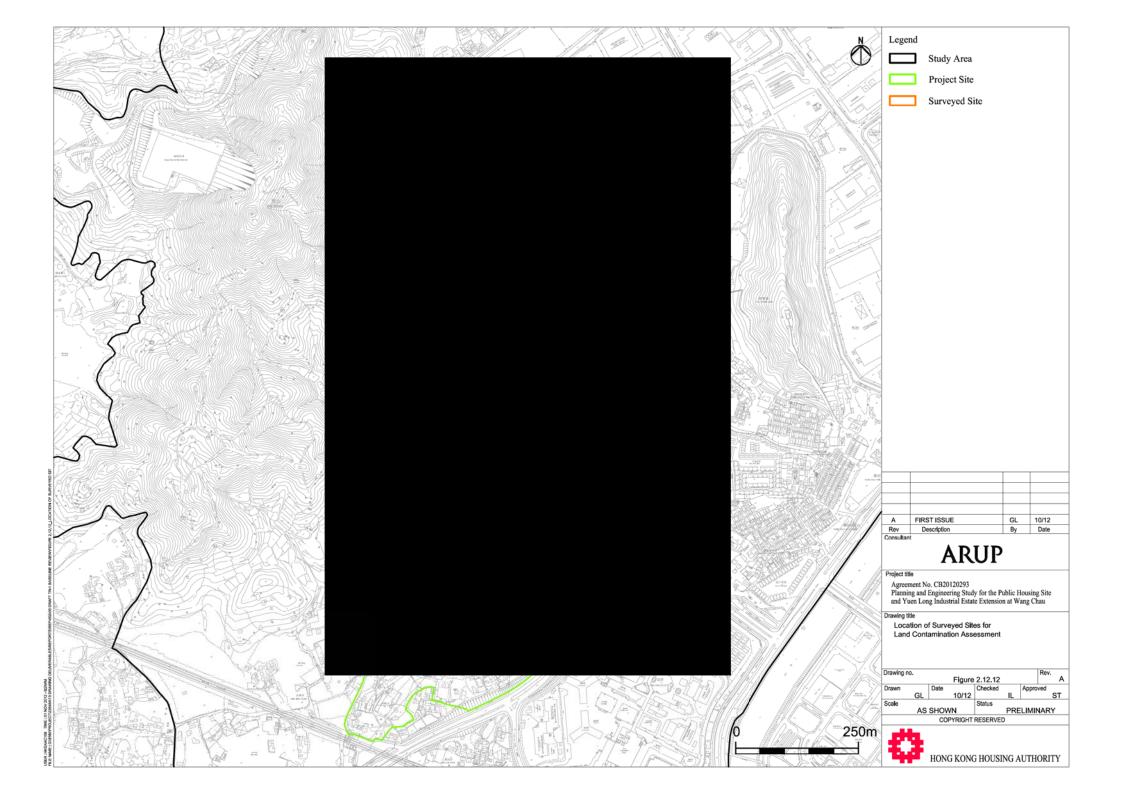






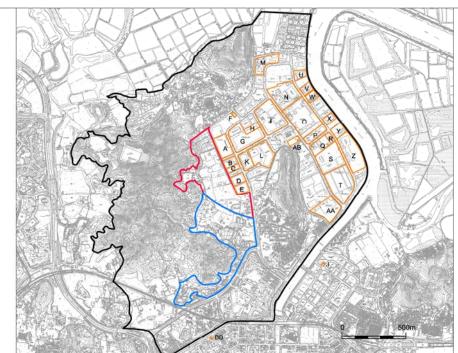






			Ca	t. 5			Cat. 2
Category	C1.1	Various Classes	G.3	1:10	G.1	1.10	2.2
Area	Acetone / m³	Cat 5 D.G. / m³	Diesel / m³	Light Ends / m³	Methanol / m ³	Toluene / m³	LPG/m³
A			136.4			-	
В			159.1				
C D			13.6				
D			18.2				
E			20.0				
			45.5				
K			27.3				
M			22.5	45.0			
N		240.0	5.0				
N O			50.0				
Q T	10.0				10.0	20.0	
			113.7				
V			20.0				
Z			227.3				
4A			45.5				
BB							20
Total	10.0	240.0	903.9	45.0	10.0	20.0	20

Note: # - Only some of the substances listed belonging Category 5 dangeroous goods



hbourhood Cat.2 Cat.4 Cat.5 Other® C1.17 C1.1 C1.2 C1.17 C1.17 C1.2 51.3 C1.2 C1.2 C1.1 51.1 Category 5 ă 2.4 0.5 14.1 0.4 0.7 6.6 5.5 0.4 0.8 27.6 25.2 0.1 250.0 2.7 2.5 0.1 100.0 100.0 1.866.5 18.0 0.4 20.5 24 4.0 23.2 12.0 20.0 0.5 1.5 1.116.0 0.4 14.1 5.0 215.6 100.0 1.2 5.6 0.1 254.0 0.4 1,866.5 5.2 45.6 5 1.116.0 0.7 0.4 6.6



Study Area

Legend

Potential Public Housing Development Site

> Yuen Long Industrial Estate Extension

Areas with Dangerous Goods (from FSD's information)

В	SECOND ISSUE	GL	03/13
Α	FIRST ISSUE	GL	10/12
Rev	Description	By	Date

ARUP

Project title

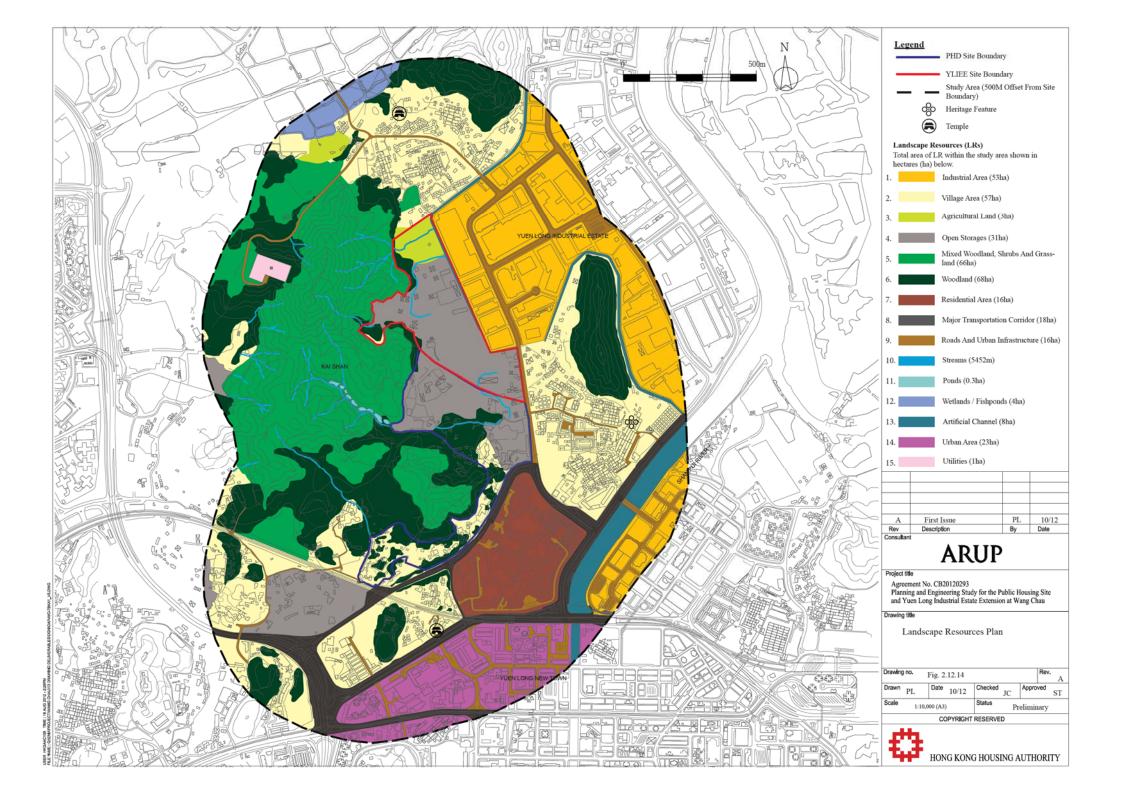
Agreement No. CB20120293
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing title

Areas with Dangerous Goods (from FSD's and EMSD's information)

Drawing no.							Rev	
			Figure	2.12.13				В
Drawn		Date		Checked		Appro	ved	
	GL		03/13		IL			ST
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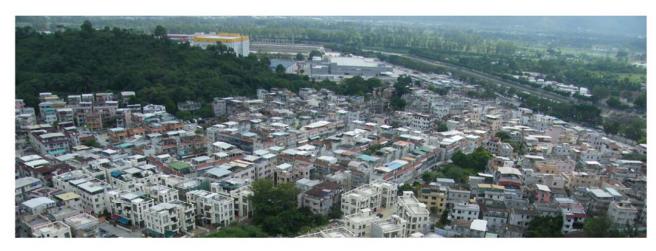




LR 1: Industrial Area



LR 2: Village Area



LR 3: Agriculture Land



A	First Issue	PL	10/12
Rev	Description	Ву	Date

Project title

Agreement No. CB20120293
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Landscape Resource 1, 2 & 3

Drawing	no. F	ig. 2.1	2.15				Rev.	A
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LR 4: Open Storage



LR 5: Mixed Woodland, Shrubland and Grassland



LR 6: Woodland



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Rev	Description	Bv	Date
A	First Issue	PL	10/12

ARUP

Project title

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Drawing title

Landscape Resource 4, 5 & 6

Drawing	no.	Fig.	2.12.16				Rev.	A
Drawn	PL	Date	10/12	Checked	JC	Appro	ved	ST
Scale	N	ΓS		Status	Pr	elimir	ary	
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LR 7: Residential Area



LR 8: Major Transportation Corridor



LR 9: Road and Urban Infrastructure



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Drawing title

Landscape Resource 7, 8 & 9

Drawing	no.	Fig.	2.12.17				Rev.	A
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Scale	N	TS		Status	Pr	elimir	ary	
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LR 10: Streams



LR 11: Ponds



LR 12: Wetlands / Fishponds



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Drawing title

Landscape Resource 10, 11 & 12

Drawing	no.	Fig	. 2.12.18				Rev.	A
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LR 13: Artificial Channel



LR 14: Urban Area



LR 15: Utilities



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Rev	Description	Bv	Date
A	First Issue	PL	10/12

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Project title

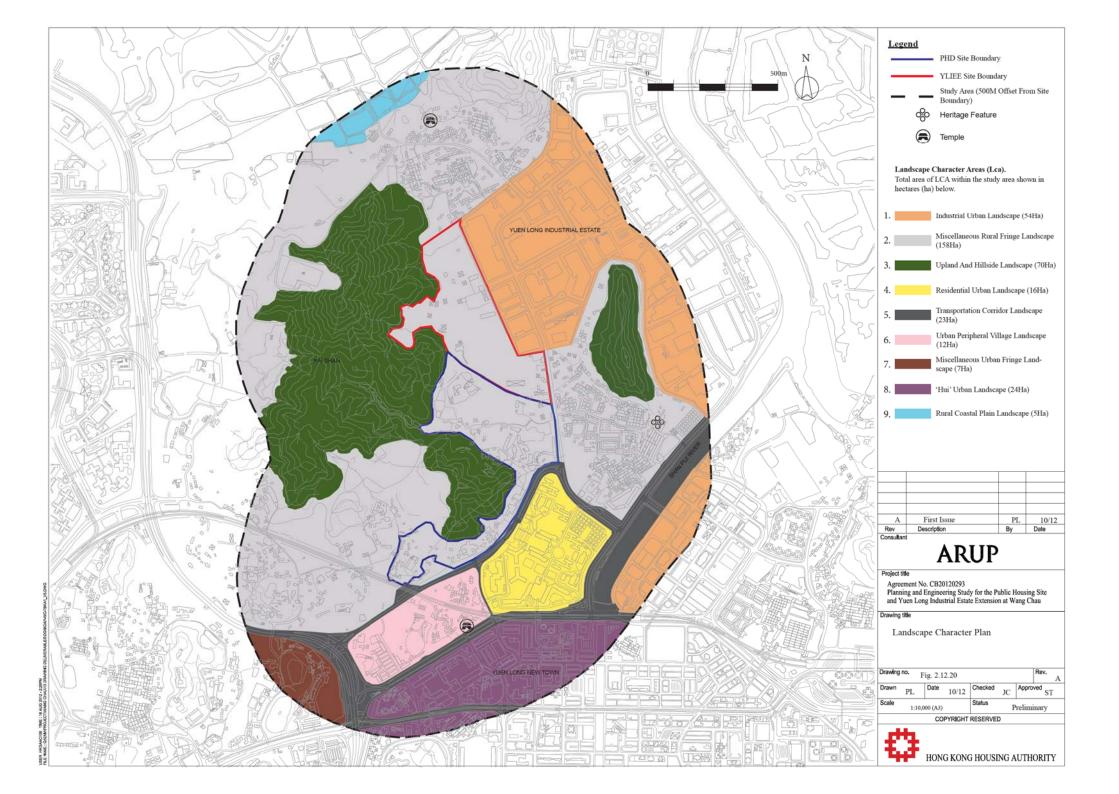
Agreement No. CB20120293
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

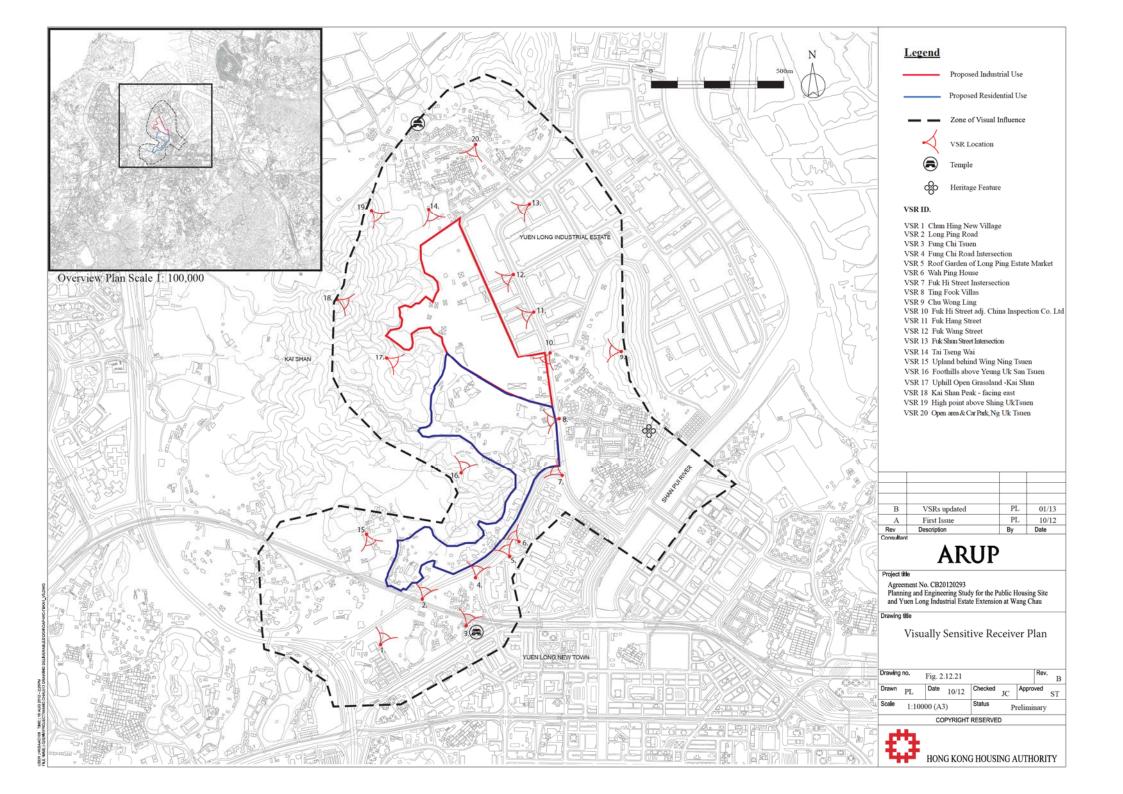
Drawing title

Landscape Resource 13, 14 & 15

Drawing	no.	Fig	. 2.12.19)			Rev.	A
Drawn	PL	Date	10/12	Checked	JC	Appro	ved	ST
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VSR 1: Chun Hing New Village



VSR 2: Long Ping Road



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Drawing title

VSR 1 and 2

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Scale NTS Status Preliminary	
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VSR 3: Fung Chi Tsuen



VSR 4: Fung Chi Road Intersection



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Drawing title

VSR 3 and 4

Drawling	no.	Fig. 2.1	2.23				Rev.	A
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Scale	Scale NTS			Status	P	relim	inary	
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VSR 5: Roof Garden of Long Ping Estate Market



VSR 6: Wah Ping House, Rooftop



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Drawing title

VSR 5 and 6

Drawing	no.	Fig. 2.	12.24				Rev.	A
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VSR 7: Fuk Hi Street Intersection



VSR 8: Ting Fook Villas



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Drawing title

VSR 7 and 8

Drawing	no.	Fig.	2.12.25				Rev.	A
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HONG KONG HOUSING AUTHORITY

NAME; GRENYPROJECTIVINING CHAURT PRAMING DELIVERABLESIOGNOAPHICTRIKAL VILONG

VSR 9: Chu Wong Ling



VSR 10: Fuk Hi Street, adjacent China Inspection Co. Ltd.



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Drawing title

VSR 9 and 10

Drawing	no.	Fig. 2	.12.26				Rev.	A
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VSR 11: Fuk Hang Street



VSR 12: Fuk Wang Street



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Drawing title

VSR 11 and 12

Drawing	no.	Fig. 2.1	2.27				Rev.	A
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VSR 13: Fuk Shun Street Intersection



VSR 14: Tai Tseng Wai



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VSR 13 and 14

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VSR 15: Upland behind Wing Ning Tsuen



VSR 16: Foothills above Yeung Uk San Tsuen





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Drawing title

VSR 15 and 16

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VSR 18: Kai Shan Peak - Facing east



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Drawing title

VSR 17 and 18

Drawling	no.	Fig.	2.12.30				Rev.	A
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VSR 19: High point above Shing Uk Tsuen







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Drawing title

VSR 19 and 20

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