Supporting Information for Cultural Heritage Assessment

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H3

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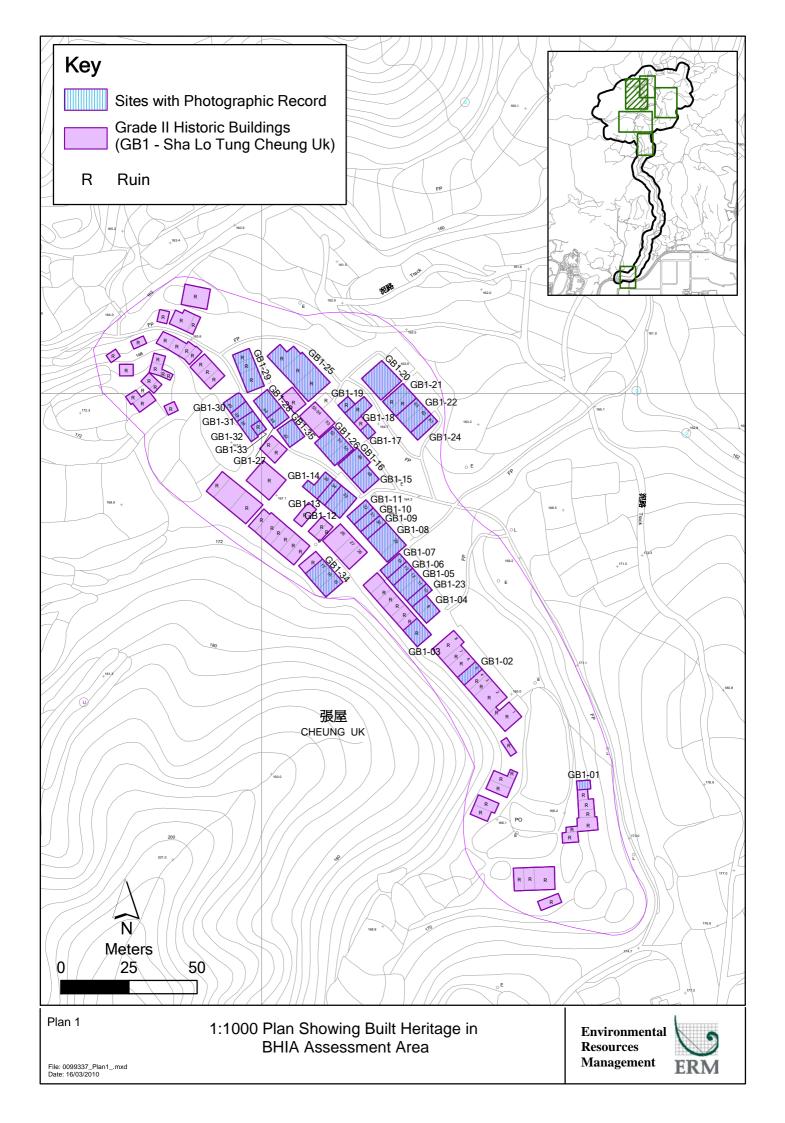
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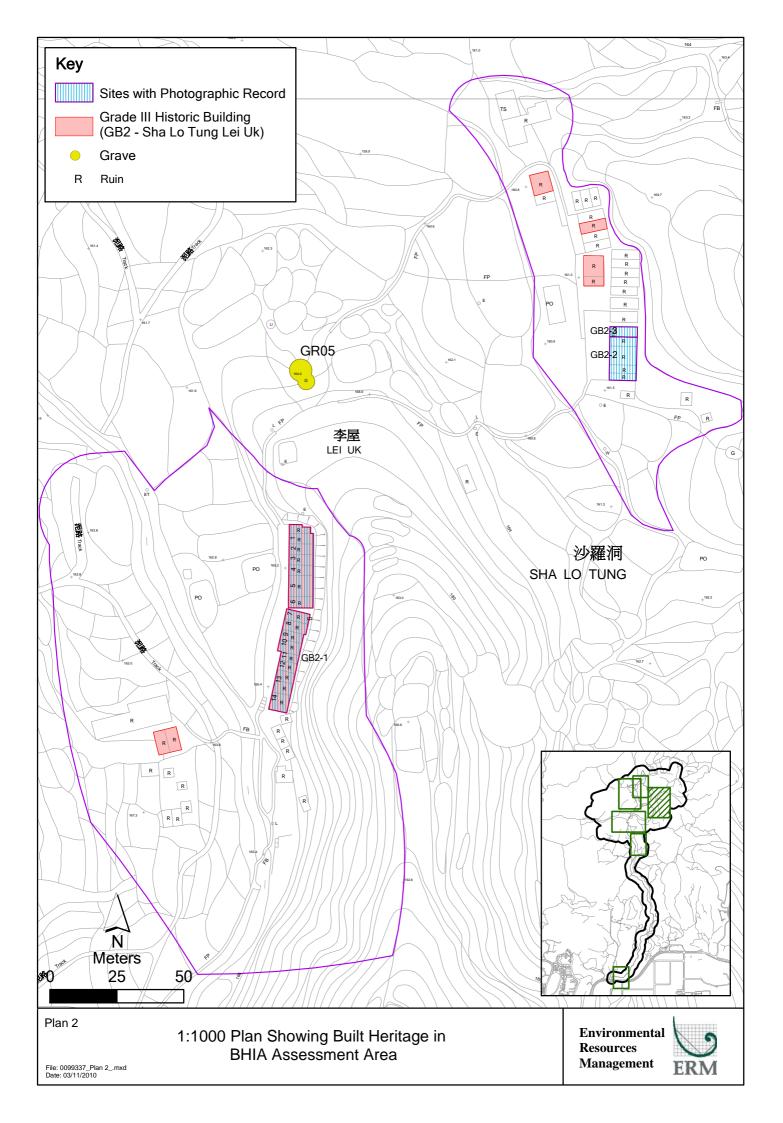
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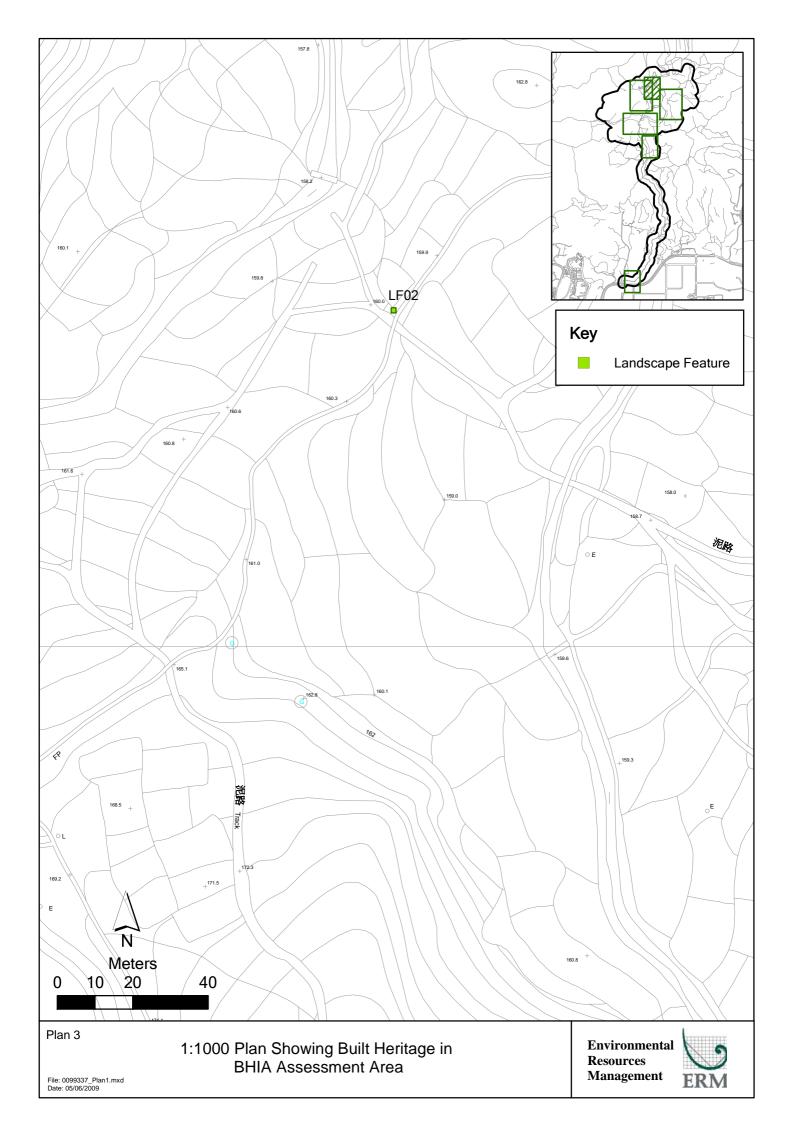
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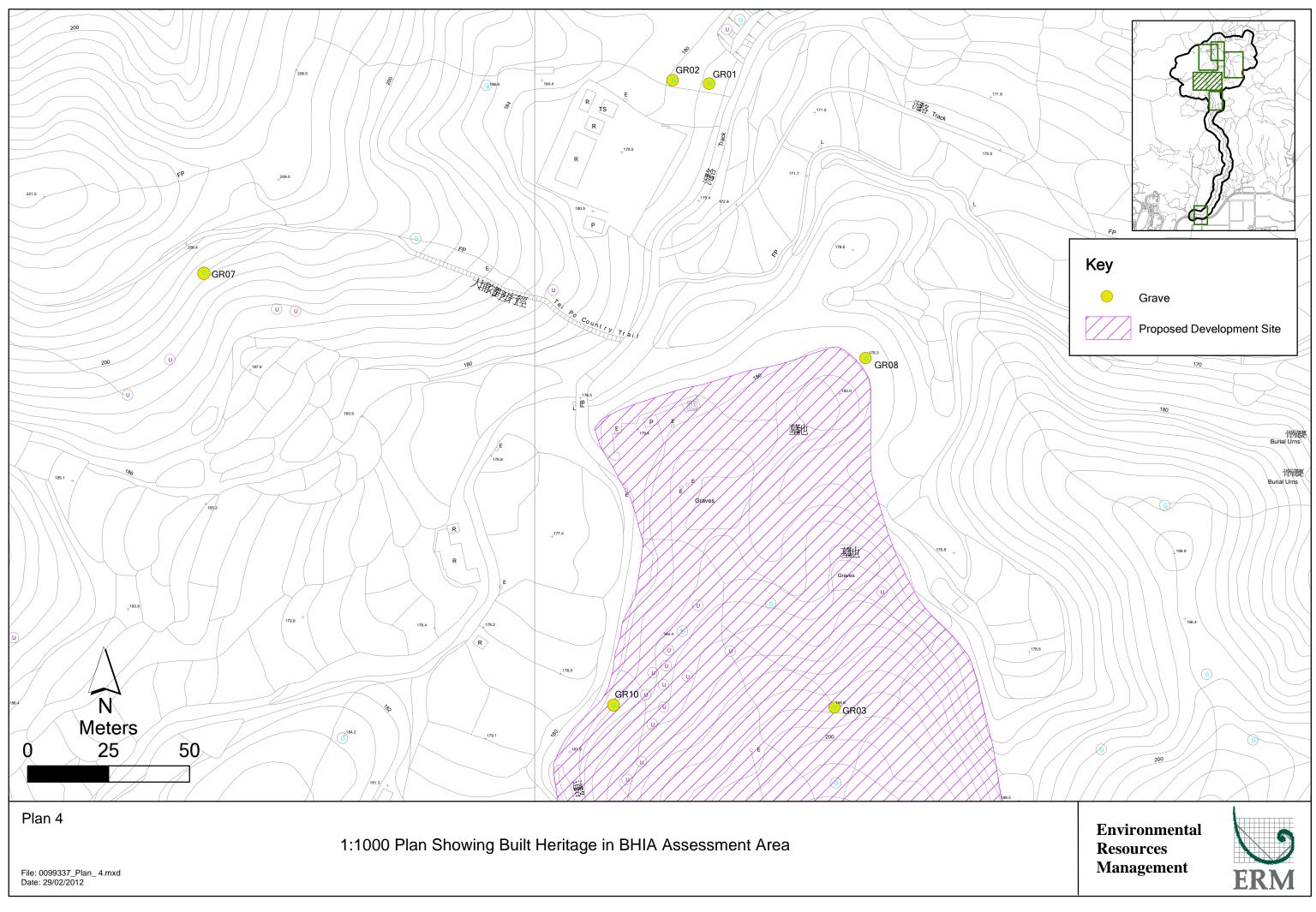
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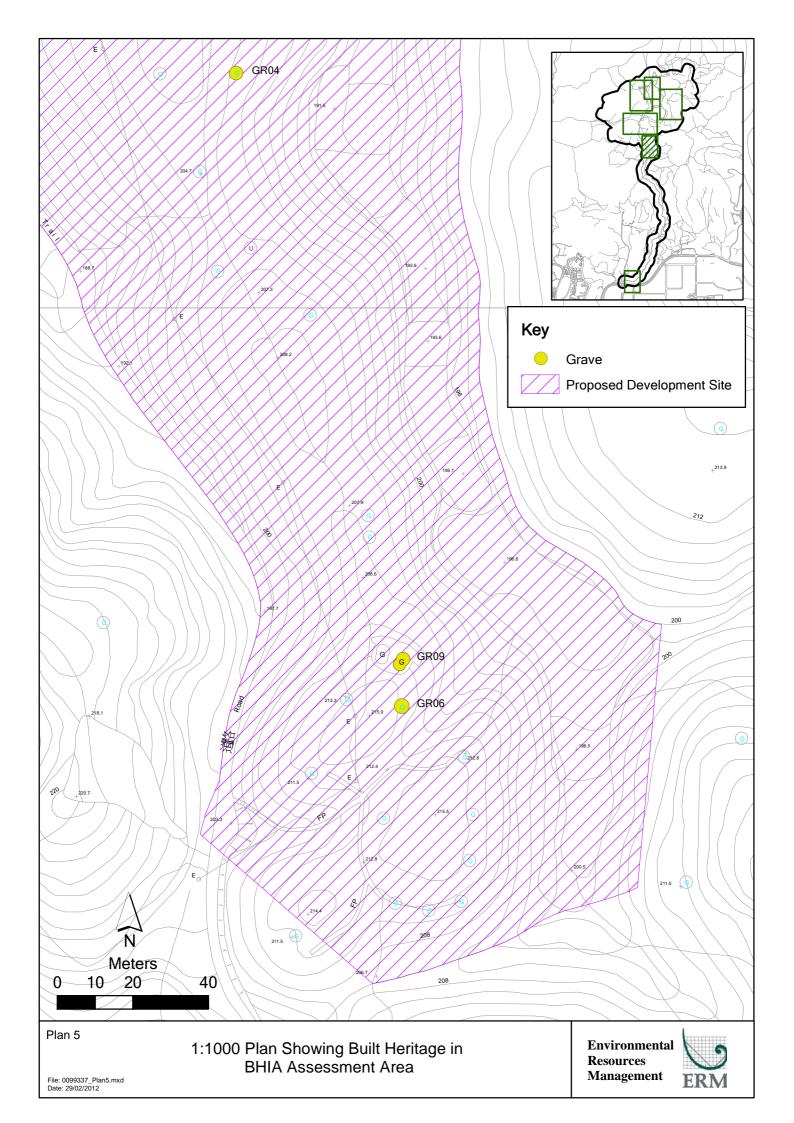
1:1000 Plans showing Identified Built Heritage Resources within the Assessment Areas













Detailed Records of Cheung Uk

## Overview of Cheung Uk

## Historical Appraisal (1)

The name of Cheung Uk village (張屋) originates from the surname of the family in the village who settled there for some 300 years. They were Hakkas (客家人) from Chengxiang (程鄉) of Chaozhou (潮州), Guangdong (廣東) province. They first moved to Dongguan (東莞) and then to Lo Wai (老圍) of Sha Lo Tung. Lo Wai was also occupied by the Leis (李氏). With the increase of population, the Cheungs moved to the present site of Cheung Uk and Lo Wai was later named as Lei Uk (李屋). The Cheungs and Leis were farmers growing rice and vegetables and rearing chickens, ducks and pigs having their produce sold in Tai Wo Market (太和市, later known as Tai Po Market). The population of the village in 1960 was 260. With the drop of agricultural activities and villagers moved overseas and worked in the city areas, the village became gradually deserted from the 1960s. In the mid 1970s, only a few dozens of elderly still resided in the village. The village has been abandoned since 1979.

# General Architectural Appraisal

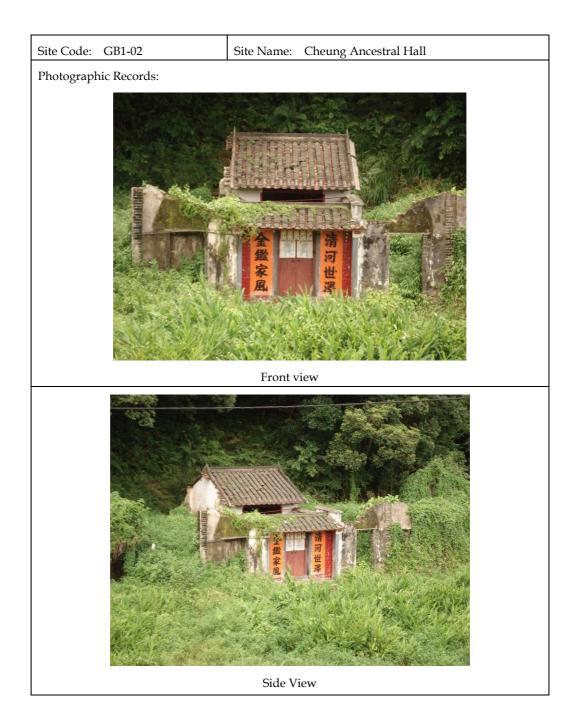
The small Hakka houses were built in irregular linear rows of around six in accordance with the typography and fung shui facing north-east having their back guarded by a wooden hill (風水林, fung shui wood). Most of the houses are single-storey one-hall Qing vernacular buildings. A stove was built inside the small house with living room on the ground floor and bedroom on its mezzanine floor. Most of them were without courtyard with a piece of glass or two among the clay tiles on its roof for natural light. The houses are mostly symmetrical constructed of green or mud bricks or a mix of both with rubble having its walls supporting its pitched roofs of timber rafters, purlins and clay Drippers are with some houses for draining rainwater. As the tiles. houses were relatively small, no columns and trusses were constructed. Timber board and joists were used to support its mezzanine floor. Decorations in the form of painting friezes and plaster mouldings are minimal with floral and bird motifs most of them faded away due to weathering.

There should be more than 60 houses built in the village. However, there are only 35 sites recorded from the survey as many of the houses are ruined or totally covered with vegetation. Details of recorded sites are presented below.

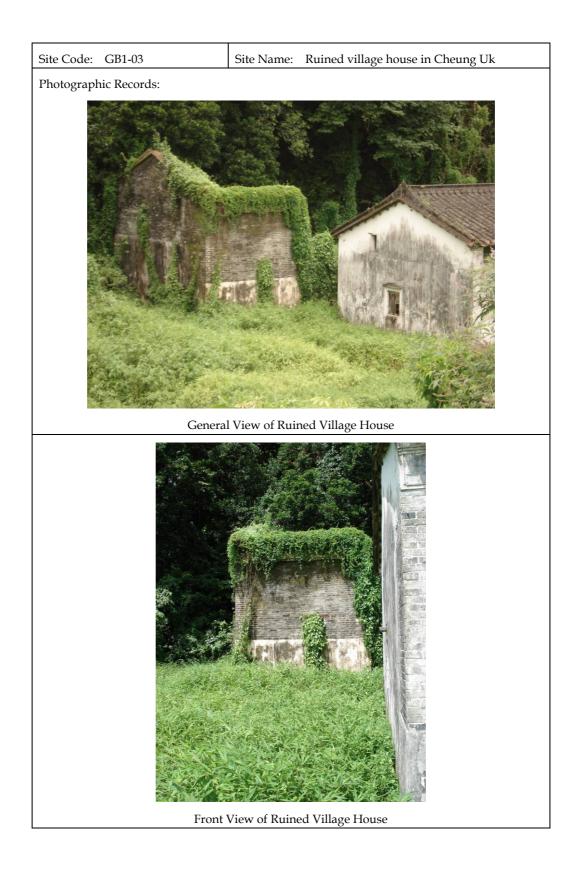
<sup>(1)</sup> Historic Building Appraisal, Sha Lo Tung Cheung Uk, information on line; available from http://www.lcsd.gov.hk/CE/Museum/Monument/form/Brief\_Information\_on\_proposed\_Grade\_II\_Items.pdf

Site Code: GB1-1	Site Name: Ruined Village House in Cheung Uk
Full Address: Southeast end of Ch	eung Uk (See Plan 1 in Annex H2)
Orientation: East	Category: Built Structure (Residential House)
Age of structure: Early 19th centur	у.
Description of Surrounding Environ	nment:
The ruined structure is an abandone	ed house located at the southeast end of Cheung Uk.
Historical Appraisal:	
See historical appraisal above. This village.	is is one of the ruined village houses identified in the
Associations with Historical/Cultur	ral Events or Individuals: Cheung Clan
Inscriptions: Nil	
Architectural Appraisal:	
<i>Layout:</i> A single-storey rectangula	r layout village house
Construction Material:	
Roof: Pitched tile	Windows: Iron bars fencing
Walls: Green bricks	Doors: Not accessible
Decoration Features: Nil	
Interior: Not accessible	
Details of Architectural Features:	Nil
Past and Present Uses: It was a re	esidential house and is currently abandoned.
Notes on Any Modifications: Nil	
Existing Condition: Unroofed, most	ly covered by vegetation and abandoned.
Photographic Records:	
	General View

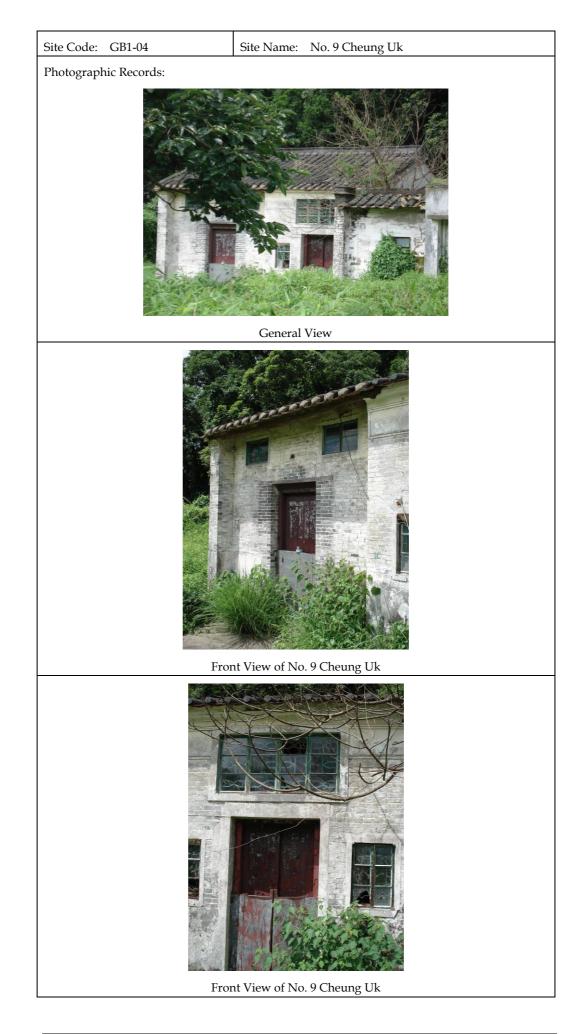
Site Code: GB1-02	Site Name: Cheung Ancestral Hall		
Full Address: No. 5 Cheung Uk (S	iee Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Ancestral Hall)		
Age of structure: Early 19 <sup>th</sup> centur	у.		
Description of Surrounding Enviror	nment:		
The Cheung Ancestral Hall was constructed as one of the row houses at the southeast area of the village. However, this is the only surviving building of the row houses.			
Historical Appraisal:	Historical Appraisal:		
See historical appraisal above. This is the only remaining ancestral in Cheung Uk			
Associations with Historical/Cultural Events or Individuals: Cheung clan			
Inscriptions: Nil			
Architectural Appraisal:			
<i>Layout:</i> A single-storey rectangular layout village house			
Construction Material:			
Roof: Pitched tile	Windows: Nil		
Walls: Stone and green bricks	Doors: Wooden		
Decoration Features: Nil			
Interior: Not accessible			
Details of Architectural Features:	See photographic record.		
Past and Present Uses: It has been used as an ancestral hall.			
Notes on Any Modifications: Nil			
Existing Condition: Structurally in a	good condition but repair works required.		



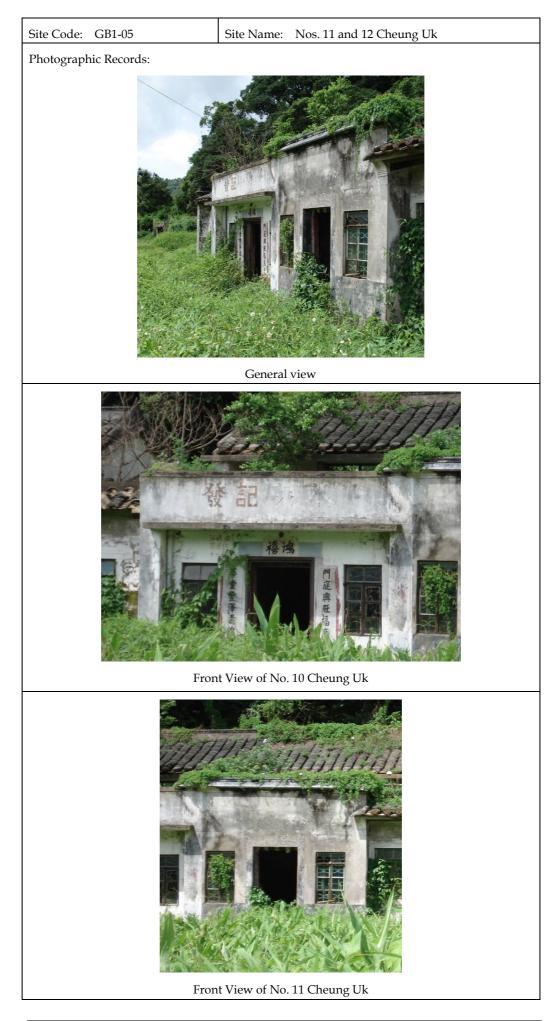
Site Code: GB1-03	Site Name: Ruined village house in Cheung Uk	
Full Address: Behind No. 9 Cheur	ng Uk (See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у.	
Description of Surrounding Environ	nment:	
It is the corner house of the row houses behind No. 9 Cheung Uk mostly covered by vegetation.		
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Pitched tile	Windows: Cannot be determined.	
Walls: Masonry and green bricks	Doors: Cannot be determined.	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: Nil		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Uproofed and only two walls remain		



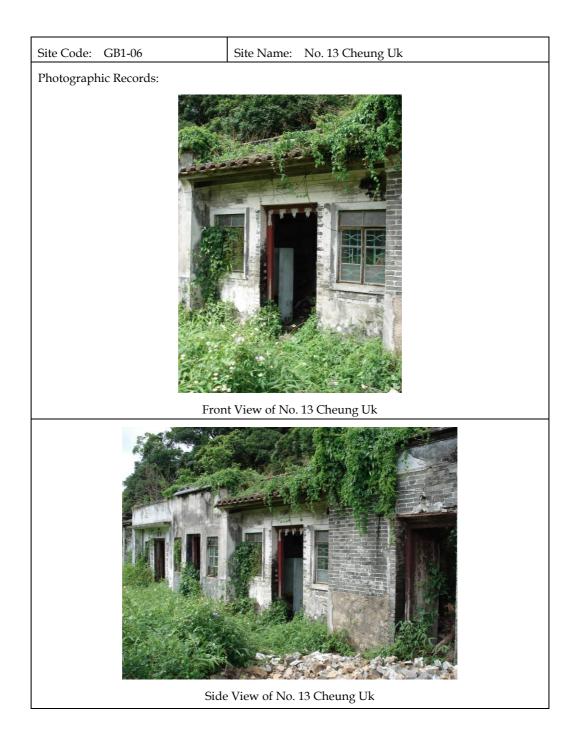
Site Code: GB1-04	Site Name: No. 9 Cheung Uk	
Full Address: No. 9 Cheung Uk	(See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 20 <sup>th</sup> centur	У	
Description of Surrounding Enviror	nment:	
Part of a row of village houses in Cheung Uk. Another row of houses (ruined) is located behind it. Facing abandoned fields in the front.		
Historical Appraisal:		
See historical appraisal above. This is one of the abandoned village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> Two single-storey rectangular layout village houses with shared party wall		
Construction Material:		
Roof: Pitched tile	Windows: Metal Frame glass windows	
Walls: Masonry and green bricks	Doors: Wooden	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: See photographic record.		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Mo	odern metal framed glass windows.	
Existing Condition: Fair and abandoned		



Site Code: GB1-05	Site Name: Nos. 11 and 12 Cheung Uk	
Full Address: Nos. 11 and 12 Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19 <sup>th</sup> century.		
Description of Surrounding Environ	nment:	
Part of the row houses with another the front.	row of houses behind it. It is facing abandoned fields in	
Historical Appraisal:		
See historical appraisal above. The village.	ese are two abandoned village houses identified in the	
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> Two single-storey rectange walls.	ular layout village houses constructed with shared party	
Construction Material:		
Roof: Pitched tiled roof	Windows: Metal Frame	
Walls: Masonry, green bricks and reinforced concrete	Doors: Wooden	
Decoration Features: Nil		
Interior: abandoned.		
Details of Architectural Features:	See photographic record.	
Past and Present Uses: They were had been used as a local food store.	e residential houses and are currently abandoned. No. 10	
-	e front yard enclosing wall has been replaced by reinforced ndows probably in the late 20 <sup>th</sup> century.	
Existing Condition: Poor and aband	loned	

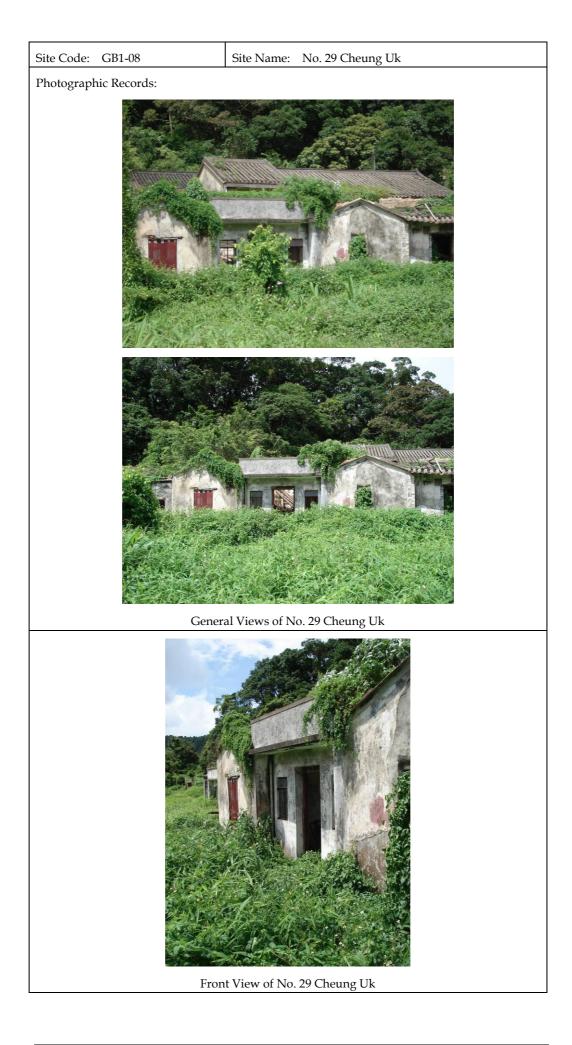


Site Code: GB1-06	Site Name: No. 13 Cheung Uk
Full Address: No. 13 Cheung Uk (	See Plan 1 in Annex H2)
Orientation: Northeast	Category: Built Structure (Residential House)
Age of structure: Early 19th centur	у.
Description of Surrounding Environ	iment:
Part of the row houses at Cheung U abandoned fields in the front.	k and another row of houses behind it. It is facing
Historical Appraisal:	
See historical appraisal above. Thi village.	is is one of the abandoned village houses identified in the
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan
Inscriptions: Nil	
Architectural Appraisal:	
Layout: A single-storey rectangula	r layout village house
Construction Material:	
Roof: Pitched tiled roof	Windows: Metal Frame
Walls: Masonry and green bricks	Doors: Wooden
Decoration Features: Nil	
Interior: Abandoned.	
Details of Architectural Features:	See photographic record
Past and Present Uses: It was a re	esidential house and is currently abandoned.
Notes on Any Modifications: The to the original façade wall.	e metal framed glass windows are probably modifications
Existing Condition: Poor and aband	loned.

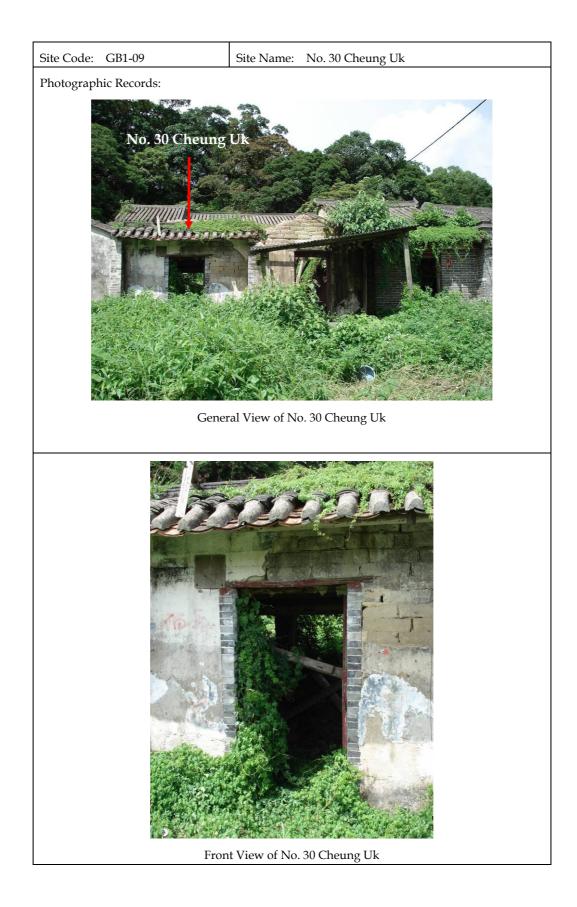


Site Code: GB1-07 Site Nam	e: No. 14 Cheung Uk	
Full Address: No. 14 Cheung Uk (See Plan 1	in Annex H2)	
Orientation: Northeast Category: Built Structure (Residential House)		
Age of structure: Early 19th century.		
Description of Surrounding Environment:		
Part of the row houses at Cheung Uk. Anoth abandoned fields in the front.	er row of houses behind it. It is facing	
Historical Appraisal:		
See historical appraisal above. This is one of village.	the ruined village houses identified in the	
Associations with Historical/Cultural Events	or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangular layout vil	lage house	
Construction Material:		
Roof: Pitched tile	Windows: Metal Frame	
Walls: Green bricks and mud	Doors: Wooden but broken	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: Nil		
Past and Present Uses: It was a residential h	ouse and is currently abandoned.	
Notes on Any Modifications: Nil		
Existing Condition: Poor and abandoned		
Photographic Records:		
Front View of N	No. 14 Cheung Uk	

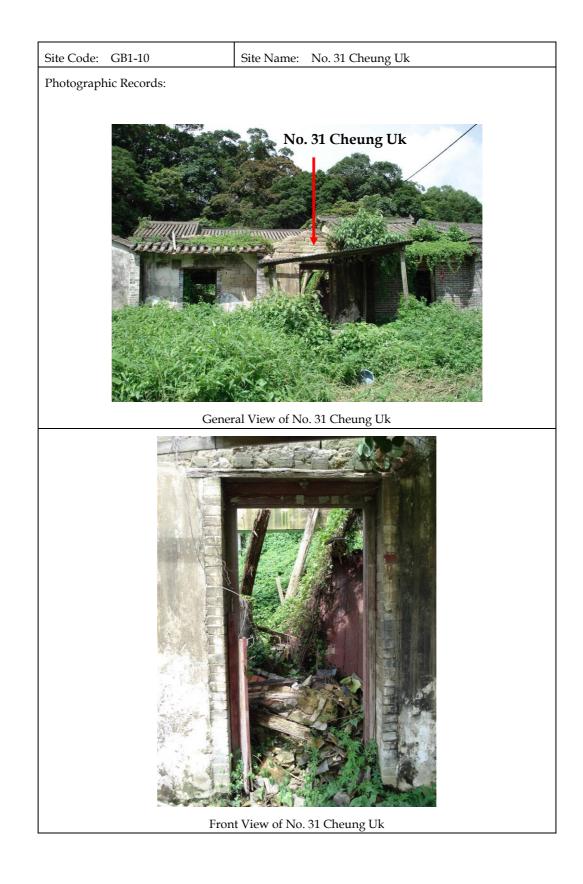
Site Code: GB1-08	Site Name: No. 29 Cheung Uk	
Full Address: No. 29 Cheung Uk (	See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	y.	
Description of Surrounding Environ	nment:	
Part of the row houses at Cheung U	k located in the centre of the village.	
Historical Appraisal:		
See historical appraisal above. Thi village.	is is one of the ruined village houses identified in the	
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangula	r layout village house	
Construction Material:		
Roof: Pitched tile	Windows: Metal Frame	
Walls: Green bricks and cement fi	nished Doors: Wooden	
Decoration Features: Nil		
Interior: Not accessible/abandoned.		
Details of Architectural Features:	See photographic record	
Past and Present Uses: It was a re	esidential house and is currently abandoned.	
Notes on Any Modifications: The been replaced by reinforced concret	e façade wall in the middle of the building have probably e.	
Existing Condition: Poor and aband	loned	



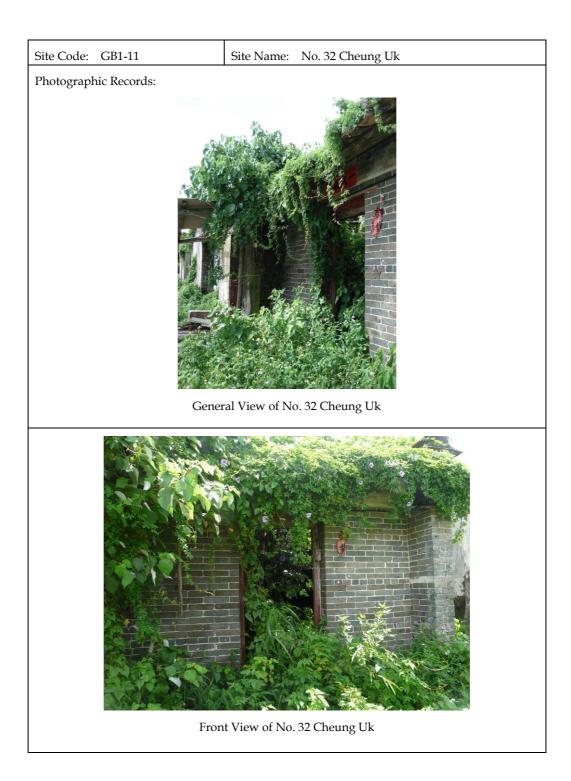
Site Code: GB1-09	Site Name: No. 30 Cheung Uk	
Full Address: No. 30 Cheung Uk (	(See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	ry.	
Description of Surrounding Environ	nment:	
Part of the row houses at Cheung Uk located in the centre of the village.		
Historical Appraisal:		
See historical appraisal above. Thi village.	is is one of the ruined village houses identified in the	
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangular layout village house		
Construction Material:		
Roof: Pitched tile	Windows: Metal Frame	
Walls: Green bricks and mud bric	ks Doors: Wooden and broken	
Decoration Features: Nil		
Interior: Not accessible/abandoned	l.	
Details of Architectural Features:	See photographic record	
Past and Present Uses: It was a re	esidential house and is currently abandoned.	
Notes on Any Modifications: Nil		
Existing Condition: Poor and aband	loned	



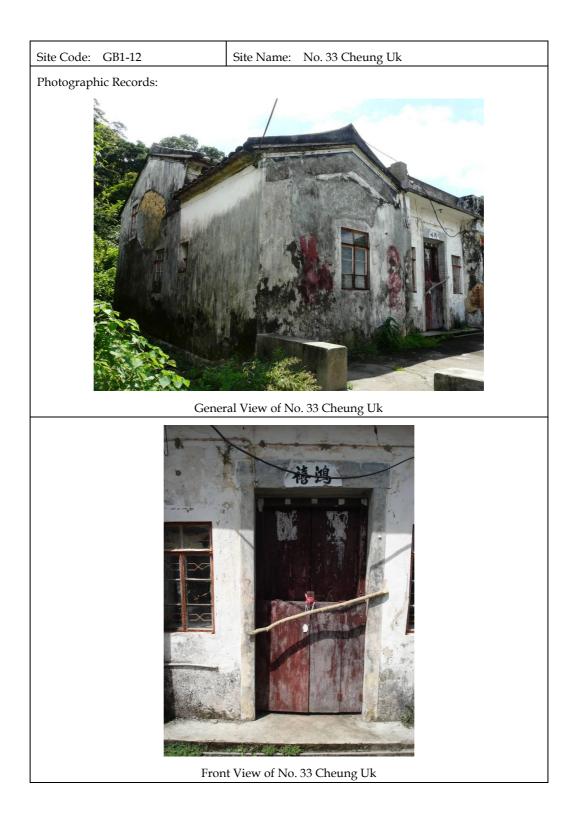
Site Code: GB1-10	Site Name: No. 31 Cheung Uk	
Full Address: No. 31 Cheung Uk (See Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у.	
Description of Surrounding Environ	nment:	
Part of the row houses at Cheung Uk located in the centre of the village.		
Historical Appraisal:		
See historical appraisal above. Thi village.	is is one of the ruined village houses identified in the	
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangular layout village house		
Construction Material:		
Roof: Pitched tile	Windows: Nil	
Walls: Green bricks and mud brick Doors: Wooden but broken		
Decoration Features: Nil		
Interior: Not accessible/abandoned.		
Details of Architectural Features:	See photographic record	
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and aband	loned	



Site Code: GB1-11	Site Name: No. 32 Cheung Uk	
Full Address: No. 32 Cheung Uk (	See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у.	
Description of Surrounding Environment:		
Part of the row houses at Cheung Uk located in the centre of the village.		
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Pitched tile	Windows: Nil	
Walls: Green bricks	Doors: Wooden but broken	
Decoration Features: Nil		
Interior: Not accessible/abandoned.		
Details of Architectural Features: See photographic record.		
Past and Present Uses: It was a re	esidential house and is currently abandoned.	
Notes on Any Modifications: Nil		
Existing Condition: Poor and aband	loned	



Site Code: GB1-12	Site Name: No. 33 Cheung Uk
Full Address: No. 33 Cheung Uk (S	Gee Plan 1 in Annex H2)
Orientation: Northeast	Category: Built Structure (Residential House)
Age of structure: Late 20th century	
Description of Surrounding Environment	ment:
Part of the row houses at Cheung Uk	c located in the centre of the village.
Historical Appraisal:	
See historical appraisal above. This village.	is one of the abandoned village houses identified in the
Associations with Historical/Cultura	al Events or Individuals: Cheung clan
Inscriptions: Nil	
Architectural Appraisal:	
<i>Layout:</i> A single-storey rectangular	layout village house
Construction Material:	
Roof: Pitched tiled roof	Windows: Metal Frame
Walls: Stone and reinforced concret	te Doors: Wooden
Decoration Features: Nil	
Details of Architectural Features: N	Jil
Past and Present Uses: It was a res	sidential house and is currently abandoned.
Notes on Any Modifications: Nil	
Existing Condition: Poor and abando	oned



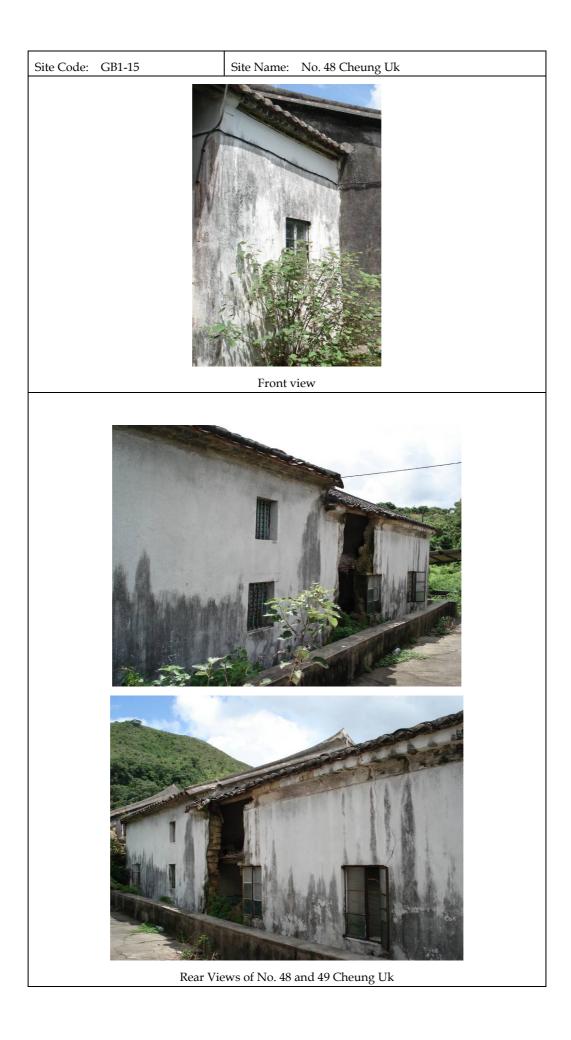
Site Code: GB1-13	Site Name: No. 34 Cheung Uk
Full Address:     No. 34 Cheung Uk (See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)
Age of structure: Middle to late 20 <sup>th</sup> century.	
Description of Surrounding Environment:	
Part of the row houses at Cheung Uk located in the centre of the village.	
Historical Appraisal:	
See historical appraisal above. This is one of the abandoned village houses identified in the village.	
Associations with Historical/Cultural Events or Individuals: Cheung clan	
Inscriptions: Nil	
Architectural Appraisal:	
Layout: A single-storey rectangular layout village house	
Construction Material:	
Roof: Pitched tile	Windows: Metal Frame
Walls: Red brick and reinforced concrete Doors: Wooden	
Decoration Features: See photographic record wall frieze decoration.	
Interior: Not accessible	
Details of Architectural Features: See photographic record.	
Past and Present Uses: It was a residential house and is currently abandoned.	
Notes on Any Modifications: Nil	
Existing Condition: Poor and abandoned	

Site Code: GB1-13	Site Name: No. 34 Cheung Uk
Photographic Records:	
	Front View of No. 34 Cheung Uk

Site Code: GB1-14	Site Name: No. 35 Cheung Uk	
Full Address: No. 35 Cheung Uk (	See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у.	
Description of Surrounding Enviror	nment:	
Part of the row houses at Cheung Uk located in the centre of the village.		
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangula	r layout village house	
Construction Material:		
Roof: Pitched tile	Windows: Nil	
Walls: Green bricks and mud brick	ks Doors: Wooden but broken	
Decoration Features: Nil		
Interior: Not accessible/ruined.		
Details of Architectural Features: Nil		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Partially finished with cement on the wall.		
Existing Condition: Poor and ruined.		
Photographic Records:		
Fereral view		

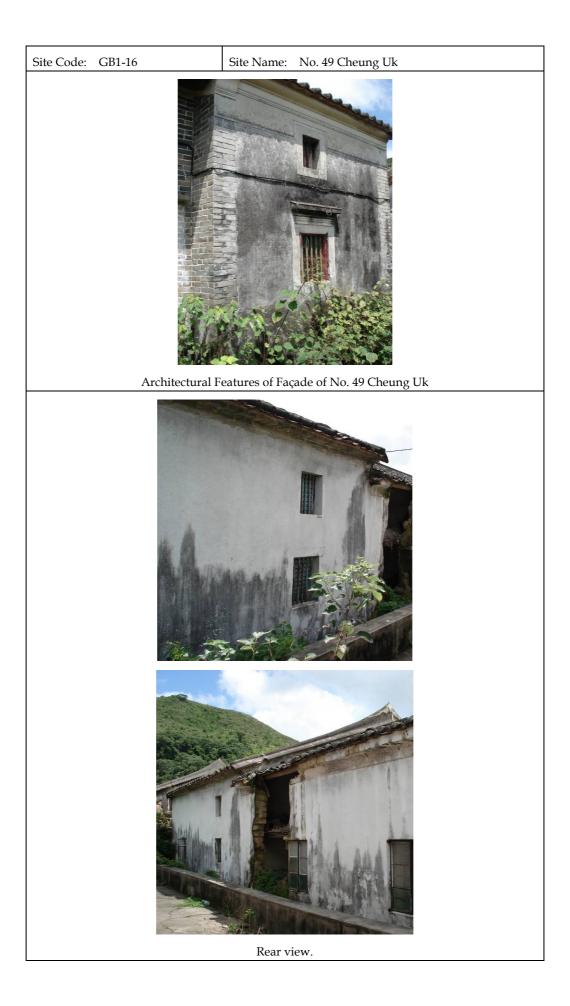
Site Code: GB1-15	Site Name: No. 48 Cheung Uk	
Full Address: No. 48 Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 20 <sup>th</sup> century.		
Description of Surrounding Environment:		
Part of the row houses at Cheung Uk located in the centre of the village.		
Historical Appraisal:		
See historical appraisal above. This is one of the abandoned village houses identified in the village.		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> Two single-storey rectangular layout village houses constructed with shared party wall.		
Construction Material:		
Roof: Pitched tile	Windows: Metal Frame	
Walls: Bricks and cement finished. Doors: Wooden		
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: See photographic record.		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and abandoned		



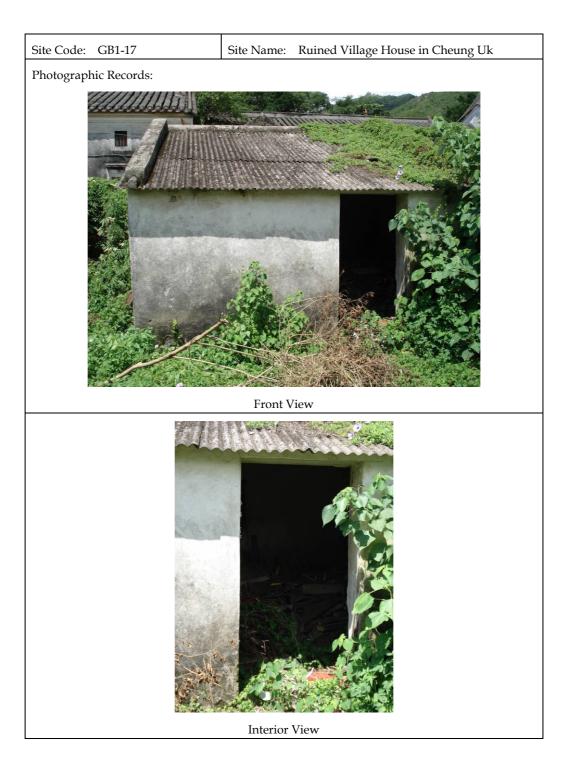


Site Code: GB1-16	Site Name: No. 49 Cheung Uk	
Full Address: No. 49 Cheung Uk (See Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 20th century		
Description of Surrounding Environment:		
Part of the row houses at Cheung Uk located in the centre of the village.		
Historical Appraisal:		
See historical appraisal above. This is one of the abandoned village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> Two single-storey rectangular layout village houses constructed with shared party wall.		
Construction Material:		
Roof: Pitched tile	Windows: Iron bars fenced and metal Frame	
Walls: Green bricks	Doors: Wooden but broken	
Decoration Features: Nil		
Interior: Not accessible/abandoned.		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a re	esidential house and is currently abandoned.	
Notes on Any Modifications: The century.	e metal framed windows were probably opened in late 20 <sup>th</sup>	
Existing Condition: Fair and abando	oned	





Site Code: GB1-17	Site Name: Ruined Village House in Cheung Uk	
Full Address: Ruined Village House in Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Late 20th century		
Description of Surrounding Environment:		
An abandoned structure in the centre of the Cheung Uk village.		
Historical Appraisal:		
See historical appraisal above. This is probably an abandoned storage house identified in the village.		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Replaced with metal sheet	Windows: Nil	
Walls: Cement finished	Doors: Nil	
Decoration Features: Nil		
Interior: Abandoned.		
Details of Architectural Features: See photographic record.		
Past and Present Uses: It was probably used as a storage house and is currently abandoned.		
Notes on Any Modifications: Roof has been replaced with metal sheets		
Existing Condition: Fair and abandoned		



Site Code: GB1-18	Site Name: Ruined Village House in Cheung Uk	
Full Address: Village House in Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Approximately early 19th century		
Description of Surrounding Environment:		
The ruined structure is an abandoned house located at the beginning of Cheung Uk.		
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Chinese tiled roof	Windows: Cannot be determined	
Walls: Green brick	Doors: Cannot be determined	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and aband	loned	

## Site Code: GB1-18 Site Name: Ruined Village House in Cheung Uk

Photographic Records:





Front View





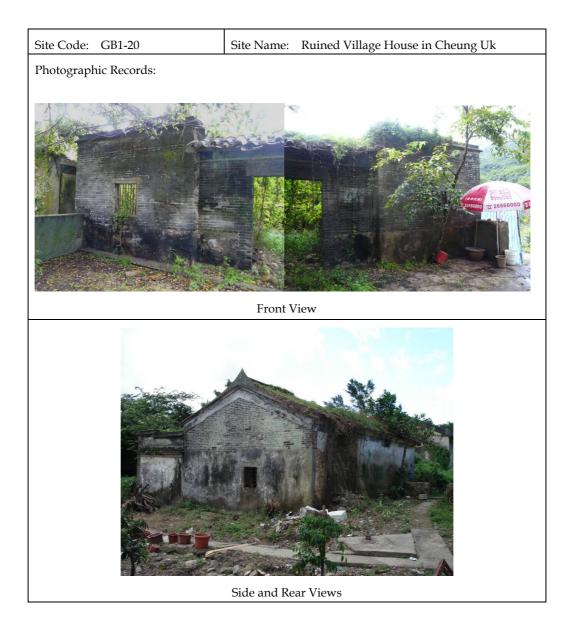
Side View



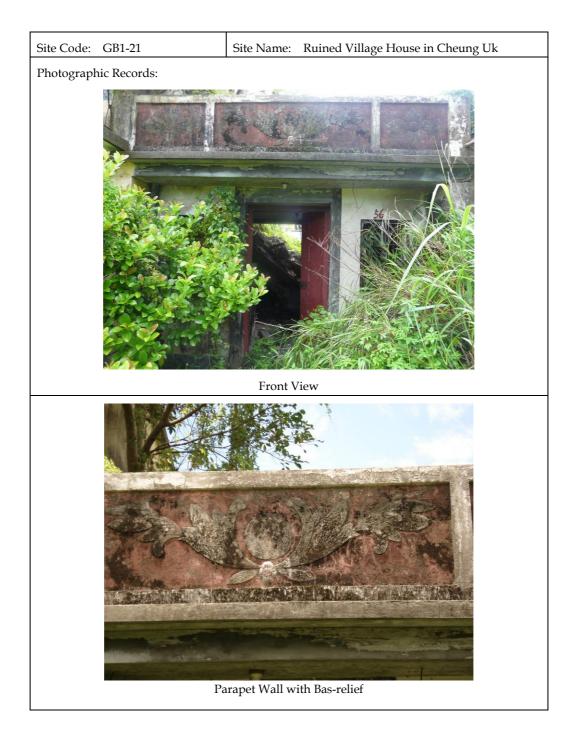
Tiled Roof and Beams

Site Code: GB1-19	Site Name: Ruined Village House in Cheung Uk	
Full Address: Ruined Village House in Cheung Uk (See Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Approximately e	early 19 <sup>th</sup> century	
Description of Surrounding Enviror	nment:	
The ruined structure is an abandoned house located at the beginning of Cheung Uk.		
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangula	r layout village house	
Construction Material:		
Roof: Cannot be determined (Collapsed) Windows: Cannot be determined		
Walls: Green bricks	Doors: Cannot be determined	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features:	Nil	
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and abandoned		
Photographic Records:		
General View	Front View	

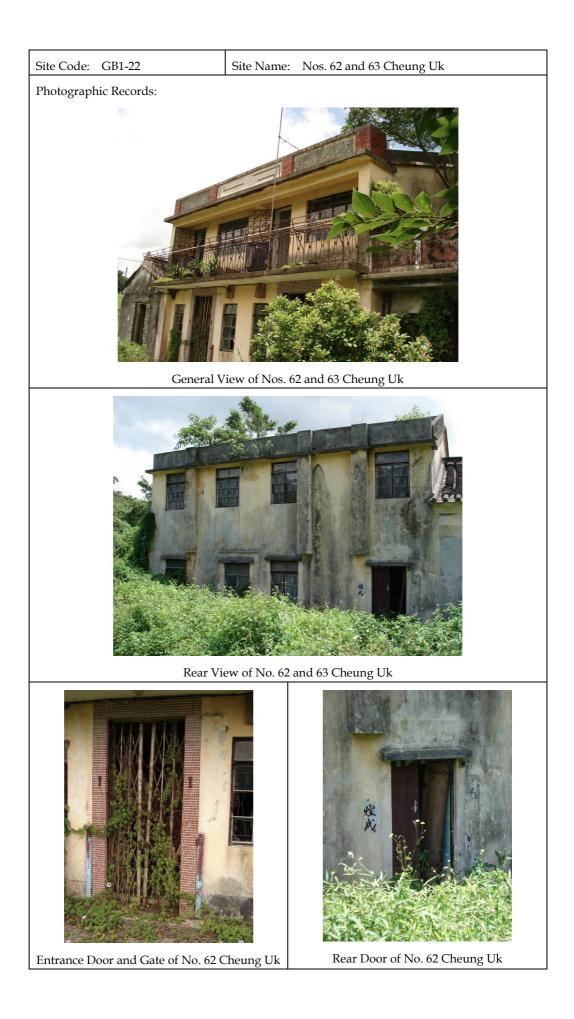
Site Code: GB1-20	Site Name: Ruined Village House in Cheung Uk	
Full Address: Ruined Village House in Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Approximately early 19 <sup>th</sup> century		
Description of Surrounding Environment:		
The ruined structure is an abandon	ed house located at the beginning of Cheung Uk.	
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Chinese tiled roof (Collapsed) Windows: With metal grills		
Walls: Green bricks Doors: Cannot be determined		
Decoration Features: Nil		
Interior: Ruined		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and abandoned		

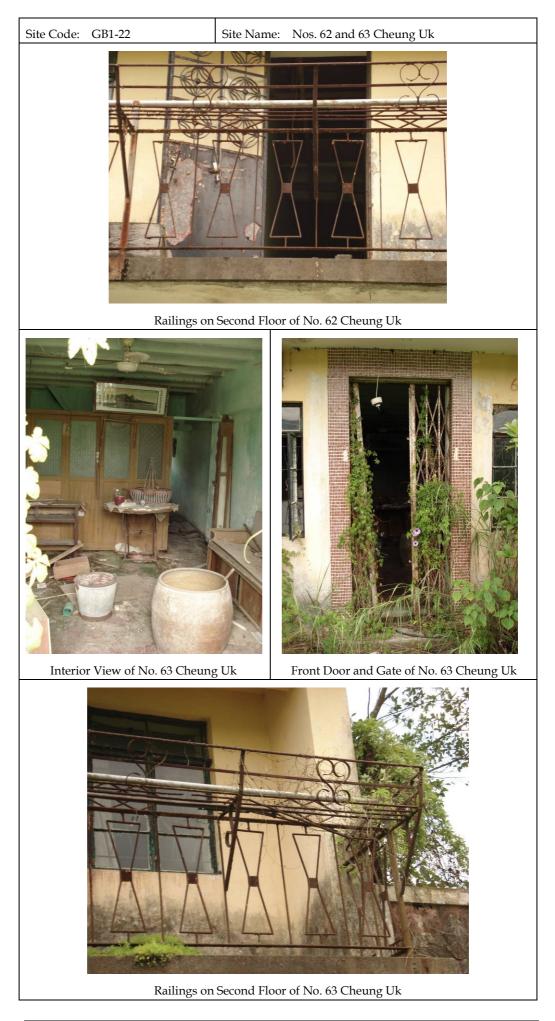


Site Code: GB1-21	Site Name: Ruined Village House in Cheung Uk	
Full Address: Ruined Village House next to No. 63 Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Middle to late 20 <sup>th</sup> century		
Description of Surrounding Environment:		
The ruined structure is an abandon	ed house located next to No. 63 Cheung Uk.	
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Cannot be determined (Collapsed) Windows: With metal grills		
Walls: Green bricks Doors: Wooden		
Decoration Features: Parapet wall decorated with floral bas-relief		
Interior: Not accessible		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and abar	ndoned	



Site Code: GB1-22	Site Name: Nos. 62 and 63 Cheung Uk	
Full Address: Nos. 62 and 63 Cher	ung Uk (See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Late 20 <sup>th</sup> century		
Description of Surrounding Environ	nment:	
The built structures are two abandoned adjoining two-storey village houses located next to No. 61 Cheung Uk.		
Historical Appraisal:		
See historical appraisal above. This is one of the village houses in better condition in the Cheung Uk village.		
Associations with Historical/Cultu	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
Layout: Two 2-storey rectangular	layout village houses with shared party walls.	
Construction Material:		
Roof: Pitched roof	Windows: Metal frame glazed windows	
Walls: Reinforced concrete and re	d bricks Doors: Wooden doors with metal gates	
Decoration Features: Wall frieze, simple Art Deco-style metal railings on second floor at front		
Interior: Plastered inner walls, scattered with wooden and other furniture		
Details of Architectural Features:		
Parapet wall on front roof;		
Open verandah on second floor at front;		
Mosaic-tile architraves at front doors		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Fair and aband	oned	

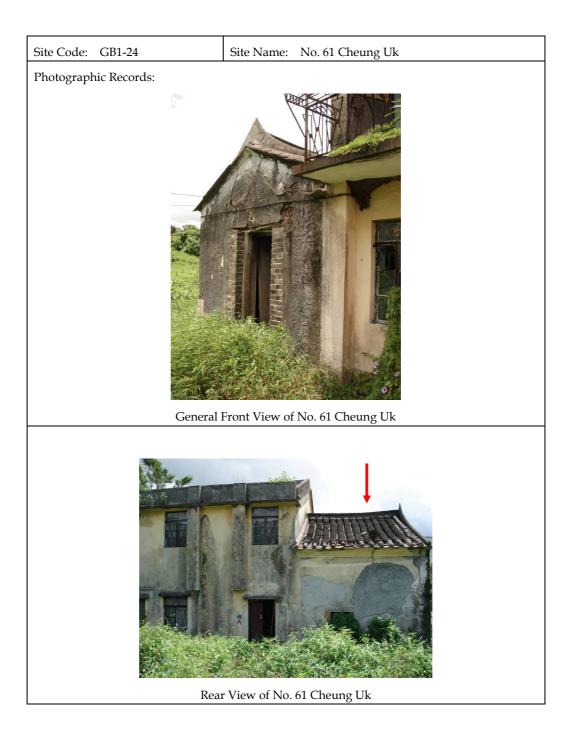




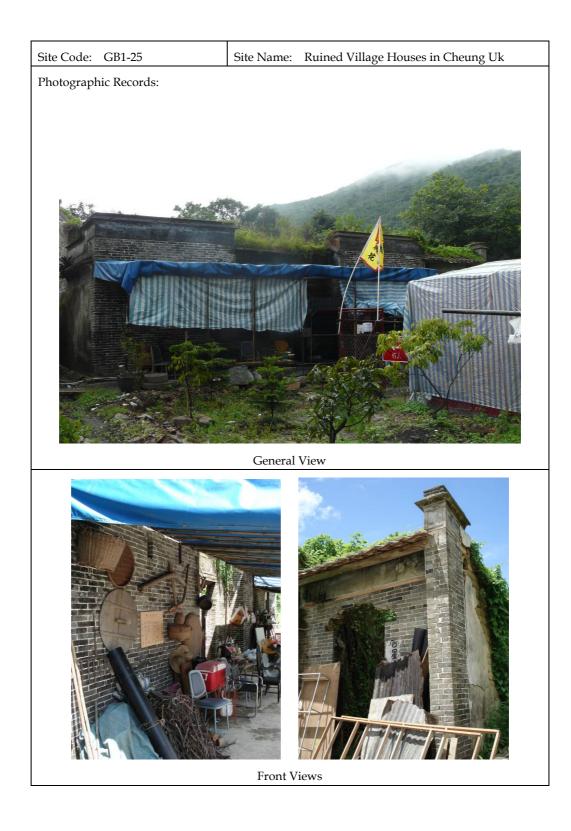
ENVIRONMENTAL RESOURCES MANAGEMENT

Site Code: GB1-23	Site Name: No. 10 Cheung Uk	
Full Address: No. 10 Cheung Uk	(See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у	
Description of Surrounding Environ	nment:	
A corner house at one of the row houses in Cheung Uk. Another row of houses (ruined) is located behind it. Facing abandoned fields in the front.		
Historical Appraisal:		
See historical appraisal above. This is one of the abandoned village houses identified in the village.		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan	
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangula	ar layout village house	
Construction Material:		
Roof: Pitched tiled roof	Windows: Metal frame glazed windows	
Walls: Masonry and green bricks	Doors: Wooden	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: See photographic record.		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and aband	loned	
Photographic Records:		
<image/> <caption></caption>		
	General view	

Site Code: GB1-24	Site Name: No. 61 Cheung Uk	
Full Address: No. 61 Cheung Uk	(See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19 <sup>th</sup> century		
Description of Surrounding Enviror	nment:	
The built structure is a one-storey village house located next to No. 62 Cheung Uk.		
Historical Appraisal:		
See historical appraisal above. This is one of the village houses in better condition in the Cheung Uk village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangular layout village house		
Construction Material:		
Roof: Pitched tiled roof	Windows: Cannot be determined	
Walls: Green bricks and stone with Doors: Wooden cement plaster		
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: Nil		
Past and Present Uses: It was a re	esidential house and is currently abandoned.	
Notes on Any Modifications: Nil		
Existing Condition: Fair and abando	oned	



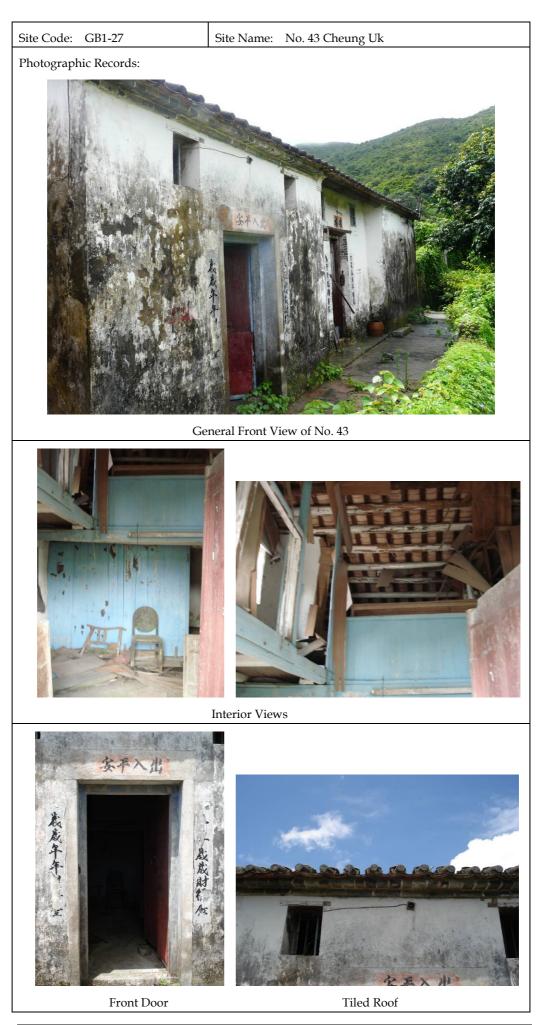
Site Code: GB1-25	Site Name: Ruined Village Houses in Cheung Uk	
Full Address: Ruined Village Houses in Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у	
Description of Surrounding Environment:		
The three ruined structures are abandoned houses located beside No. 54 and 55 Cheung Uk.		
Historical Appraisal:		
See historical appraisal above. These are three of the ruined village houses identified in the village. They are occasionally used by Cheung descendants as a shop selling traditional drinks. It is now briefly maintained by the Cheung descendants.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
Layout: Single-storey rectangular l	ayout village houses	
Construction Material:		
Roof: Partly collapsed pitched roo	f Windows: Cannot be determined	
Walls: Green bricks with cement p	plaster Doors: Cannot be determined	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and occasionally used by Cheung descendants as a shop selling traditional drinks. The structures are being briefly maintained by the Cheung descendants		





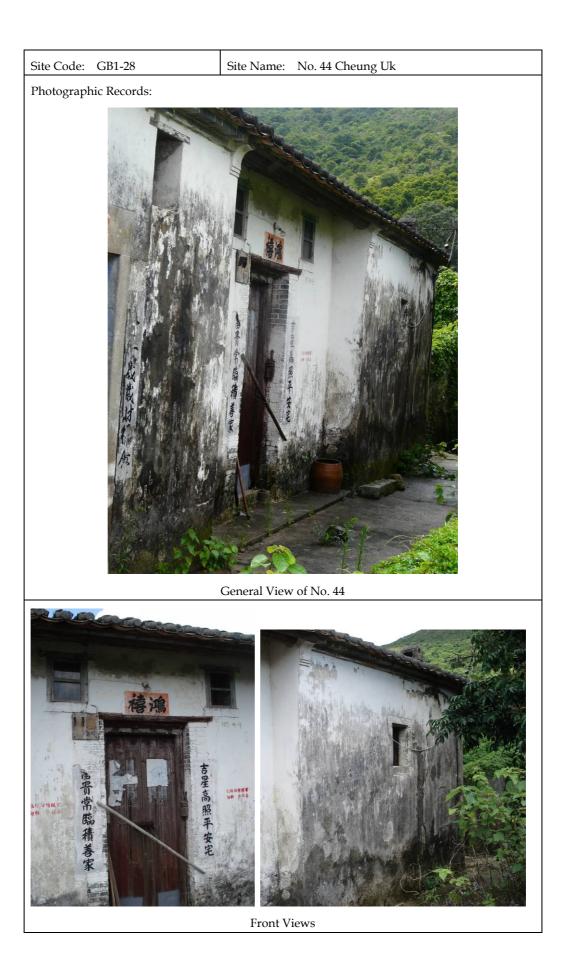
Front View of Nos. 50-52 Cheung Uk

Site Code: GB1-27	Site Name: No. 43 Cheung Uk		
Full Address: No. 43 Cheung Uk	(See Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Residential House)		
Age of structure: Early 19 <sup>th</sup> century			
Description of Surrounding Environment:			
The built structure is an abandoned house located next to No. 44 Cheung Uk.			
Historical Appraisal:			
See historical appraisal above. This is one of the village houses in better condition in the village.			
Associations with Historical/Cultural Events or Individuals: Cheung clan			
Inscriptions: Nil			
Architectural Appraisal:			
<i>Layout:</i> A single-storey rectangular layout village house			
Construction Material:			
Roof: Chinese tiled roof	Windows: With metal grills		
Walls: Green bricks	Doors: Wooden		
Decoration Features: Nil			
Interior: Wooden partition walls; Attic; Wooden beams at ceiling			
Details of Architectural Features: See photographic record			
Past and Present Uses: It was a residential house and is currently abandoned.			
Notes on Any Modifications: Nil			
Existing Condition: Fair and aban	udoned		



ENVIRONMENTAL RESOURCES MANAGEMENT

Site Code: GB1-28	Site Name: No. 44 Cheung Uk	
Full Address: No. 44 Cheung Uk	(See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: Early 19th centur	у.	
Description of Surrounding Environment:		
The ruined structure is an abandone	ed house located at the beginning of Cheung Uk.	
Historical Appraisal:		
See historical appraisal above. This is one of the ruined village houses identified in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
<i>Layout:</i> A single-storey rectangular layout village house		
Construction Material:		
Roof: Chinese tiled roof	Windows: With metal grills; glazed fanlights at	
	both sides of front door	
Walls: Green bricks	Doors: Wooden	
Decoration Features: Nil		
Interior: Not accessible		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Poor and abandoned		



Site Code: GB1-29	Site Name: Ruined Village House in Cheung Uk (Former Wu Oi Christian Centre)			
Full Address: Ruined Village Hou	uses in Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )			
Orientation: Northeast	Category: Built Structure (Residential House)			
Age of structure: Early 19th centur	ry			
Description of Surrounding Environment:				
The ruined structures are abandoned houses located beside No. 44 Cheung Uk.				
Historical Appraisal:				
See historical appraisal above. This is the ruined village houses identified in the village.				
Associations with Historical/Cultu	aral Events or Individuals: Cheung clan			
Inscriptions: Nil				
Architectural Appraisal:				
<i>Layout:</i> Single-storey rectangular	layout village houses			
Construction Material:				
Roof: Cannot be determined (Coll	lapsed) Windows: Cannot be determined			
Walls: Green bricks	Doors: Cannot be determined			
Decoration Features: Nil				
Interior: Not accessible				
Details of Architectural Features:	Nil			
Past and Present Uses: It was a re	residential house and is currently abandoned.			
Notes on Any Modifications: Car	nnot be determined			
Existing Condition: Poor and aband	doned			
Photographic Records:				
	<image/> <image/>			

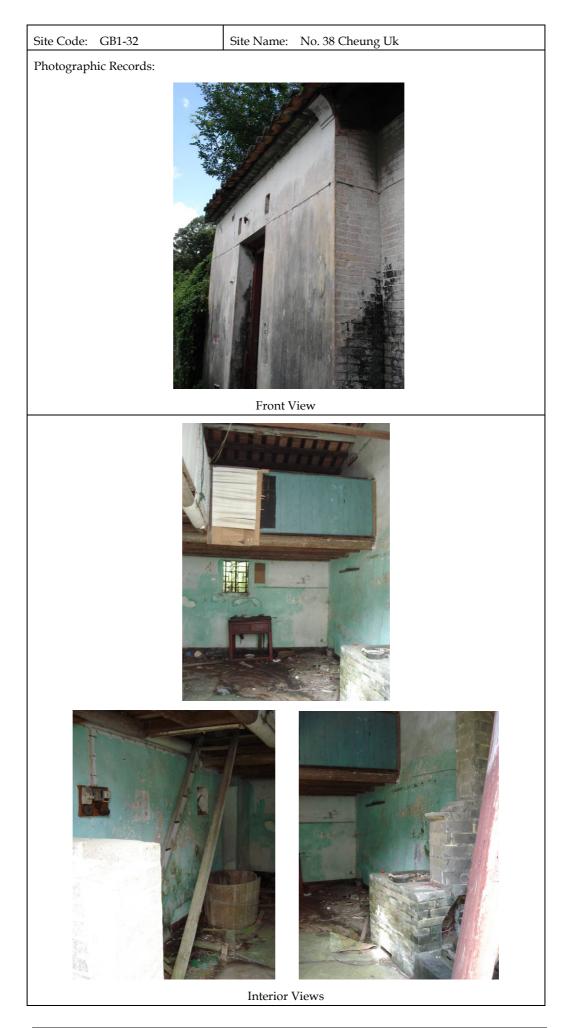
Site Code: GB1-30	Site Name: No. 40 Cheung Uk	
Full Address: No. 40 Cheung Uk	(See Plan 1 in Annex H2)	
Orientation: Northeast	Category: Built Structure (Residential House)	
Age of structure: About 300 years	to early 19th century	
Description of Surrounding Environment:		
The built structure is an abandoned	house located at the rear of Cheung Uk.	
Historical Appraisal:		
See historical appraisal above. This is one of the village houses in better condition in the village.		
Associations with Historical/Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil		
Architectural Appraisal:		
Layout: A single-storey rectangula	r layout village house	
Construction Material:		
Roof: Chinese tiled pitched roof	Windows: Glazed fanlights at both sides of	
•	front door	
Walls: Green bricks	Doors: Wooden door	
Decoration Features: Nil		
Interior: Stove made of green bricks; Wooden beams at ceiling		
Details of Architectural Features: See photographic record		
Past and Present Uses: It was a residential house and is currently abandoned.		
Notes on Any Modifications: Nil		
Existing Condition: Fair and abandoned		



Site Code: GB1-31	Site Name: No. 39 Cheung Uk			
Full Address: No. 39 Cheung Uk	(See Plan 1 in Annex H2)			
Orientation: Northeast	Category: Built Structure (Residential House)			
Age of structure: Early 19 <sup>th</sup> centur	Age of structure: Early 19th century			
Description of Surrounding Environ	nment:			
The built structure is an abandoned	house located at the rear of Cheung Uk.			
Historical Appraisal:				
See historical appraisal above. This is one of the village houses in better condition in the village.				
Associations with Historical/Cultural Events or Individuals: Cheung clan				
Inscriptions: Nil				
Architectural Appraisal:				
Layout: A single-storey rectangula	r layout village house			
Construction Material:				
Roof: Chinese tiled pitched roof	Windows: Fanlights at both sides of the front			
	door			
Walls: Green bricks	Doors: Wooden			
Decoration Features: Nil				
Interior: Not accessible				
Details of Architectural Features: See photographic record				
Past and Present Uses: It was a residential house and is currently abandoned.				
Notes on Any Modifications: Nil				
Existing Condition: Fair and abandoned				



Site Code: GB1-32	Site Name: No. 38 Cheung Uk		
Full Address: No. 38 Cheung Uk	(See Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Residential House)		
Age of structure: Early 19 <sup>th</sup> centur	У		
Description of Surrounding Enviror	nment:		
The built structure is an abandoned	house located at the rear of Cheung Uk.		
Historical Appraisal:			
See historical appraisal above. Thi village.	is is one of the village houses in better condition in the		
Associations with Historical/Cultur	ral Events or Individuals: Cheung clan		
Inscriptions: Nil			
Architectural Appraisal:			
Layout: A single-storey rectangula	r layout village house		
Construction Material:			
Roof: Chinese tiled pitched roof	Windows: Fanlights at both sides of the front		
	door		
Walls: Green bricks Doors: Wooden door			
Decoration Features: Nil			
Interior: Plastered walls; Attic; Stov	e made of green bricks		
Details of Architectural Features:	Nil		
Past and Present Uses: It was a re	esidential house and is currently abandoned.		
Notes on Any Modifications: Nil			
Existing Condition: Fair and abando	oned		



Site Code: GB1-33 Site Name: Ruined Village House beside No. 38 Cheung Uk			
Full Address: Beside No. 38	Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )		
Orientation: Northeast Category: Built Structure (Residential House)			
Age of structure: Early 19th c	century		
Description of Surrounding En	nvironment:		
The ruined structure is an aba	ndoned house located at the rear of Cheung Uk.		
Historical Appraisal:			
See historical appraisal above. village.	. This is one of the ruined village houses identified in the		
Associations with Historical/	Cultural Events or Individuals: Cheung clan		
Inscriptions: Nil			
Architectural Appraisal:			
Layout: A single-storey rectar	ngular layout village house		
Construction Material:			
Roof: Cannot be determined	Windows: Cannot be determined		
Walls:Green bricksDoors:Cannot be determined			
Decoration Features: Nil			
Interior: Not accessible	Interior: Not accessible		
Details of Architectural Featur	res: Nil		
Past and Present Uses: It w	as a residential house and is currently abandoned.		
Notes on Any Modifications:	Nil		
Existing Condition: Poor and a	abandoned		
Photographic Records:	<image/> <image/> <image/>		

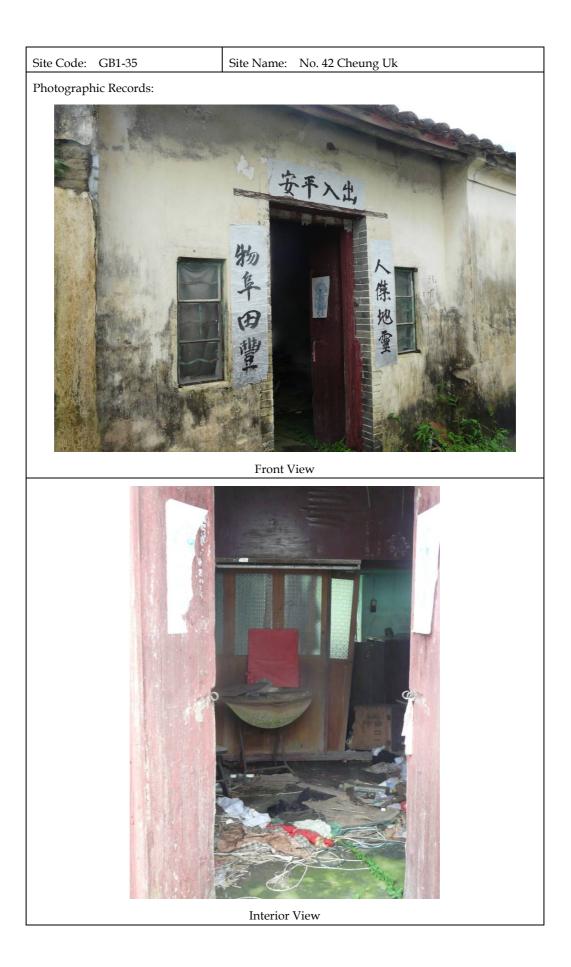
Site Code: GB1-34	Site Name:	Ruined Village Houses at No. 15, 16 and 17 Cheung Uk	
Full Address: No. 15, 16 and 17 Cheung Uk (See <i>Plan 1</i> in <i>Annex H2</i> )			
Orientation: Northeast	Category: Built Structure (Residential House)		
Age of structure: Early 19th centur	у		
Description of Surrounding Enviror	nment:		
The ruined structures are a row of a No. 26-28 Cheung Uk.	bandoned hou	uses located at the back of Cheung Uk behind	
Historical Appraisal:			
See historical appraisal above. Thi village.	s is one of the	ruined village houses identified in the	
Associations with Historical/Cultur	al Events or Ir	ndividuals: Cheung clan	
Inscriptions: Nil			
Architectural Appraisal:			
Layout: Single-storey rectangular l	ayout village h	nouses	
Construction Material:			
Roof: Chinese tiled roof Windows: Cannot be determined			
Walls: Green bricks Doors: Wooden door			
Decoration Features: Nil			
Interior: Not accessible			
Details of Architectural Features: See photographic record			
Past and Present Uses: It was a re	esidential hous	e and is currently abandoned.	
Notes on Any Modifications: Nil			
Existing Condition: Poor and aband	oned		

Photographic Records:



Front View of No. 15, 16 and 17 Cheung Uk

Site Code: GB1-35	Site Name: No. 42 Cheung Uk		
Full Address: No. 42 Cheung Uk	(See Plan 1 in Annex H2)		
Orientation: Northeast	Category: Built Structure (Residential House)		
Age of structure: Early 19 <sup>th</sup> centur	у		
Description of Surrounding Enviror	nment:		
The built structure is an abandoned	house located beside No. 43 Cheung Uk.		
Historical Appraisal:			
See historical appraisal above. Thi village.	s is one of the village houses in better condition in the		
Associations with Historical/Cultural Events or Individuals: Cheung clan			
Inscriptions: Nil			
Architectural Appraisal:			
Layout: A single-storey rectangula	r layout village house		
Construction Material:			
Roof: Pitched tiled roof	Windows: Metal framed glazed windows		
Walls: Rammed earth, green brick cement finished	s and Doors: Wooden door		
Decoration Features: Nil			
Interior: See photographic record			
Details of Architectural Features: See photographic record.			
Past and Present Uses: It was a re	esidential house and is currently abandoned.		
Notes on Any Modifications: Nil			
Existing Condition: Fair and aban	doned		



Annex H4

Detailed Records of Lei Uk

## Overview of Lei Uk

## Historical Appraisal (1)

Sha Lo Tung Lei Uk (沙螺洞李屋) is in the upland valley among the hills of Sha Lo Tung south-west of Pat Sin Range (八仙嶺), Tai Po. Formerly known as Lo Wai (老圍), it is also called Lei Uk as it was occupied by the Leis (李氏) who came to the area which had been occupied by the Cheungs (張氏) some 300 vears ago. With the increase of village population, the Cheungs moved westward and established their own village then called Cheung Uk (張屋, Village of the Cheungs). The old village was called Lei Uk, Village of the Leis. Both the Leis and Cheungs were Hakkas and the former came from Guishan (歸善, now known as Waizhou 惠州) of Guangdong (廣東) province. Lei Tszching (李子禎, 1656-1728), the 15th generation ancestor settled first in Wai Ha (圍下) village of Shuen Wan (船灣) in 1689 and his son Wai-yan (維仁, 1684-1770) married a girl of the Cheungs in the then Lo Wai. He later moved uphill and settled in the village becoming the first generation ancestor of the Leis in Sha Lo Tung. The present Lei Uk village is two separate irregular-shaped rows of village houses on the western foots of two slopes. The entire village is deserted with the villagers moving out to the city areas or overseas when the agricultural activities dropped. The first row to the east has most of the houses long fallen into ruin whilst the west row has been deteriorating.

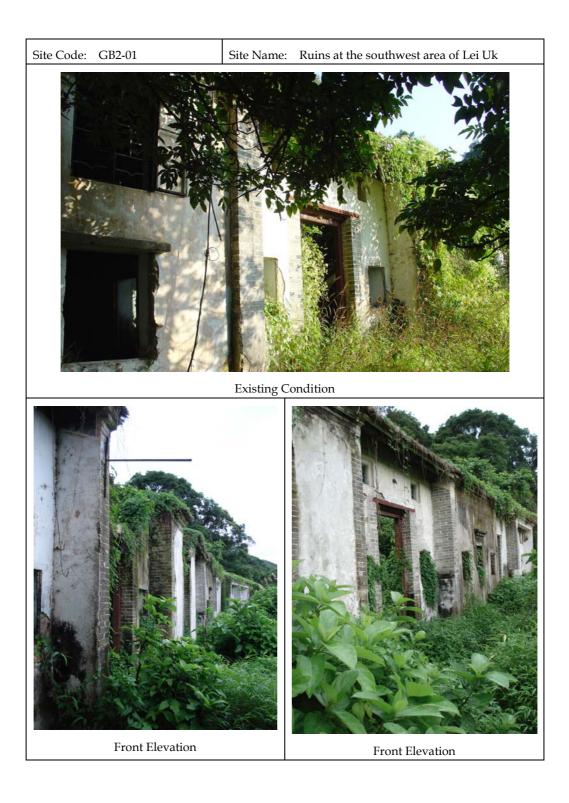
## General Architectural Appraisal

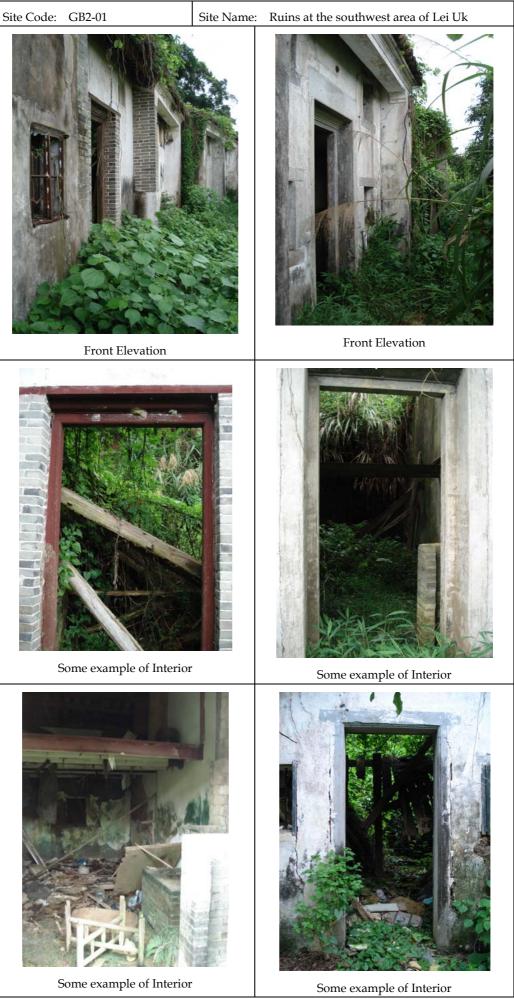
The two rows of Hakka (客家) village houses are single-storey buildings of one-hall Qing (清) vernacular design. They were connected together in three rows, the longest being in the west known as Ma Tseuk Ha (麻竹下). The other two are in the east row known as Lo Wai (老圍). An ancestral hall was in the latter row. The village houses are constructed of green or mud bricks or a mix of both with rubble having its walls supporting its pitched roofs of timber rafters, purlins and clay tiles. The houses were without courtyard and one or two pieces of glass was among the clay tiles on its roof for natural light. A stove was built inside the small house with living room on the ground floor and bedroom on its mezzanine floor. As the houses were relatively small, no columns and trusses were constructed. Timber board and joists were used to support its mezzanine floor. Decorations in the form of painting friezes and plastered mouldings are minimal with floral and bird motifs most of them faded away due to weathering.

There should be around 20 houses built in the village. However, there are only 3 sites recorded from the survey as many of the houses are ruined or totally covered with vegetation. Details of recorded sites are presented below.

<sup>(1)</sup> Historic Building Appraisal, Sha Lo Tung Lei Uk, information on line; available from http://www.lcsd.gov.hk/CE/Museum/Monument/form/Brief\_Information\_on\_proposed\_Grade\_III\_Items.pdf

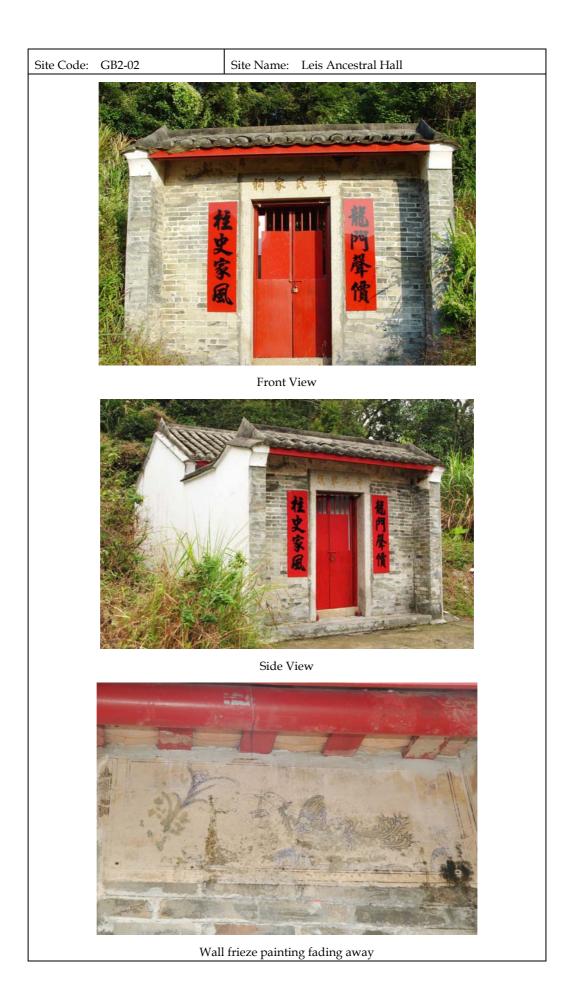
Site Code: GB2-01	Site Name	e: Ruins at the southwest area of Lei Uk		
Full Address: Southwest area of Lei Uk (see <i>Plan 2</i> in <i>Annex H2</i> )				
Orientation: West Category: Built Structure (Residential House)				
Age of structure: Early 19th century				
Description of Surrounding Environ	nment:			
Two rows of village houses constru-	cted at Lei	Uk by a slope.		
Historical Appraisal:				
See historical appraisal above.				
Associations with Historical/Cultur	ral Events c	or Individuals: Lei and Cheung Clans		
Inscriptions: Nil				
Architectural Appraisal:				
<i>Layout:</i> See architectural appraisal with shared party walls.	above. Si	ngle-storey rectangular layout village house		
Construction Material:				
Roof: Pitched tile		Windows: Iron bars fencing, metal framed		
Walls: green or mud bricks or a mix of both     Doors: Wooden       with rubble     Doors: Wooden				
Decoration Features: Decorations in t minimal with floral and bird motifs		painting friezes and plastered mouldings are em faded away due to weathering.		
Interior: Not accessible/abandoned				
Details of Architectural Features:	See photog	raphic records.		
Past and Present Uses: They were	e residentia	l houses and are currently ruined.		
Notes on Any Modifications: Son Such as metal framed glass window		uildings were modified by modern material.		
Existing Condition: Unroofed, ruined and mostly covered by vegetation and abandoned.				
Photographic Records:				
	Gener	al View		



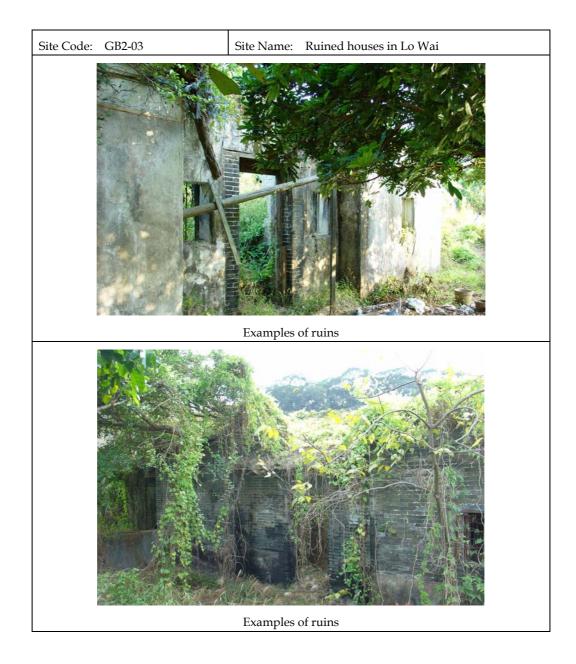


ENVIRONMENTAL RESOURCES MANAGEMENT

Site Code: GB2-02	Site Name:	: Leis Ancestral Hall	
Full Address: Northeast area of Lei Uk (Lo Wai) (see <i>Plan 2</i> in <i>Annex H2</i> )			
Orientation: West Category: Built Structure (Ancestral Hall)			
Age of structure: Early 19th centur	у.		
Description of Surrounding Environ	nment:		
Two rows of village houses constru	cted at Lei U	Jk by a slope	
Historical Appraisal:			
See historical appraisal above.			
Associations with Historical/Cultur	ral Events or	Individuals: Lei and Cheung Clans	
Inscriptions: See photographic record	rd showing l	Lei Ancestral Hall in Chinese. (李氏家祠)	
Architectural Appraisal:			
Layout: See architectural appraisal	above. Sir	ngle-storey rectangular layout village house	
Construction Material:			
Roof: Pitched tile		Windows: Nil	
Walls: Masonry and green bricks	Walls: Masonry and green bricks Doors: Wooden		
Decoration Features: Wall frieze pain	ting fading a	away	
Interior: Not accessible			
Details of Architectural Features:	See photogra	aphic records.	
Past and Present Uses: It is used	as the Leis a	ncestral hall.	
Notes on Any Modifications: Nil	Notes on Any Modifications: Nil.		
Existing Condition: Good.			
Photographic Records:			
General View			



Site Code:     GB2-03       Site Name:     Ruined houses in Lo Wai				
Full Address: Northeast area of Lei Uk (Lo Wai) (see <i>Plan 2</i> in <i>Annex H2</i> )				
Orientation: West Category: Built Structure (Residential House)				
Age of structure: Early 19th centur	у.			
Description of Surrounding Enviror	nment:			
Two rows of village houses construe	cted at Lei I	Uk by a slope.		
Historical Appraisal:				
See historical appraisal above.				
Associations with Historical/Cultur	ral Events o	or Individuals: Lei and Cheung Clans		
Inscriptions: Nil				
Architectural Appraisal:				
<i>Layout:</i> See general architectural a house	ppraisal ab	ove. Single-storey rectangular layout village		
Construction Material:				
Roof: Pitched tile		Windows: Iron bars fence		
Walls: Masonry and green bricks Doors: Wooden				
Decoration Features: Nil				
Interior: Not accessible/abandoned				
Details of Architectural Features: See photographic records.				
Past and Present Uses: Residentia	al houses le	ft abandoned.		
Notes on Any Modifications: Nil.				
Existing Condition: Unroofed, ruined and mostly covered by vegetation and abandoned.				
Photographic Records:				
General View				



Annex H5

Detailed Records of Identified Graves

Site Code: GR01	Site Name: Cheung Clan Grave	
Location: West of Footpath to Sha	a Lo Tung Valley (see <i>Plan 4</i> in <i>Annex H2</i> )	
Orientation: Southeast	Category: Grave	
	The headstone text is partially buried by ant built feature. termined. The remaining headstone text indicated that the	
Description of Surrounding Enviro	onment:	
The structure is located next to a fo and bushes.	ootpath to the Sha Lo Tung Valley and surrounded by trees	
Historical Appraisal:		
	13. The construction year for this grave of Cheung Lap ined. According to legible headstone text, it was renovated	
	X立	

Condition: Good

Dimensions: Approximately 2m x 2m

Architectural Appraisal: Horse shoe shape and finished with shanghai plaster and modern materials.



Site Code: GR02 Site Na Leastion: North of CR01 (acc Plan 4 in A	0
Location: North of GR01 (see <i>Plan 4</i> in <i>A</i>	
Orientation: Southeast Catego	
	stone text is partially buried by ant built feature. . The remaining legible headstone text indicated
Description of Surrounding Environment:	
The structure is located next to the footpath trees and bushes.	n to the Sha Lo Tung Valley and surrounded by
Historical Appraisal:	
See historical appraisal in <i>Annex H3</i> . The orderemined. According to legible headstor renovated in 1998.	, ,
Inscriptions:	
	張太母李氏孺人之墓 <sup>一九九八年重修</sup>
Condition: Good	
Dimensions: Approximately 2m x 2m	
Architectural Appraisal: Horse shoe shap materials.	e and finished with shanghai plaster and modern



	1		
Site Code: GR03	Site Name: U	nknown name Grave	
Location: A hill area east of Tai Po	o Country Trail.	(see Plan 4 in Annex H2)	
Orientation: North	Category: Gra	ave	
Construction / Renovation Year: to some readable text, the grave wa			ble. According
Description of Surrounding Environ	nment:		
A hill area east of Tai Po Country T	rail at Sha Lo Tu	ng surrounded by shrubs.	
Historical Appraisal:			
Most of the headstone text is illegib the limited legible text, the grave w			According to
Inscriptions:			
		XXXX府XX 府XX	XXXXXXXX XXXXXXXX XXXXXXX XXXXXXX
Condition: Poor and mostly cover away.	ed by vegetation	. Upper part of headstor	ne text faded
Dimensions: Approximately 2m x	2m		
Architectural Appraisal: Arm cha	ir shaped and fin	ished with cement.	
Photographic Records:			



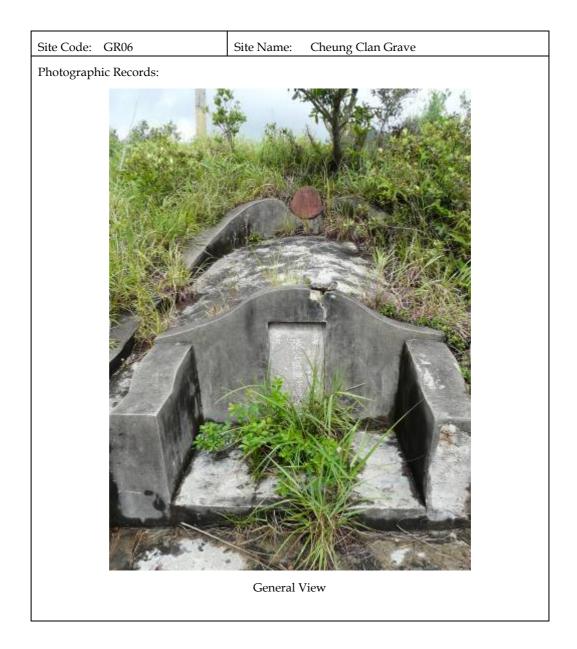
Drientation: East Category: Grave Construction / Renovation Year: Most of the headstone information is illegible. According to some readable text, the grave was renovated in 1897 Description of Surrounding Environment: A hill area east of Tai Po Country Trail at Sha Lo Tung surrounded by shrubs. Historical Appraisal: Most of the headstone text is illegible because it is broken by overgrown vegetation. The deceased is a lady with surrame Lam. According to legible text, the grave was renovated in 1897. Inscriptions: Condition: Poor and headstone broken. Dimensions: Approximately 2m x 2m Architectural Appraisal: Arm chair shaped and finished with cement. The headstone is made of sandstone. Photographic Records:	Site Code: GR04	Site Name: Unknow	n name Grave	
Construction / Renovation Year: Most of the headstone information is illegible. According to some readable text, the grave was renovated in 1897 Description of Surrounding Environment: A hill area east of Tai Po Country Trail at Sha Lo Tung surrounded by shrubs. Historical Appraisal: Most of the headstone text is illegible because it is broken by overgrown vegetation. The deceased is a lady with surname Lam. According to legible text, the grave was renovated in 1897. Inscriptions: Condition: Poor and headstone broken. Dimensions: Approximately 2m x 2m Architectural Appraisal: Arm chair shaped and finished with cement. The headstone is made of sandstone. Photographic Records:	Location: A hill area east of	Tai Po Country Trail (see Plan	15 in Annex H2)	
to some readable text, the grave was renovated in 1897 Description of Surrounding Environment: A hill area east of Tai Po Country Trail at Sha Lo Tung surrounded by shrubs. Historical Appraisal: Most of the headstone text is illegible because it is broken by overgrown vegetation. The deceased is a lady with surname Lam. According to legible text, the grave was renovated in 1877. Inscriptions: Function of Control of C	Orientation: East	Category: Grave		
<text><text><text><text><image/><image/></text></text></text></text>			nformation is illegible	e. According
	Description of Surrounding E	nvironment:		
<image/>	A hill area east of Tai Po Cour	ntry Trail at Sha Lo Tung surr	ounded by shrubs.	
<image/>	Historical Appraisal:			
<image/> Image: Approximately 2m x 2m         Choice of sandstone				
Condition: Poor and headstone broken. Dimensions: Approximately 2m x 2m Architectural Appraisal: Arm chair shaped and finished with cement. The headstone is made of sandstone. Photographic Records:	Inscriptions:			
Dimensions: Approximately 2m x 2m Architectural Appraisal: Arm chair shaped and finished with cement. The headstone is made of sandstone. Photographic Records:			XXX林氏儒人之墓	XXX一八九七年XX
Architectural Appraisal: Arm chair shaped and finished with cement. The headstone is made of sandstone. Photographic Records:	Condition: Poor and headsto	one broken.		
made of sandstone. Photographic Records:	Dimensions: Approximately	2 2 m x 2 m		
	Architectural Appraisal: Arr made of sandstone.	n chair shaped and finished v	vith cement. The he	adstone is
	Photographic Records:			
Concernal Millions				
General view		General View		

SHA LO TUNG DEVELOPMENT COMPANY LTD.

Site Code: GR05	Site Name: Cheung Clan Branch Grave
Location: by a footpath between Location	ei Uk and Lo Wai (see <i>Plan</i> 2 in <i>Annex</i> H2)
Orientation: Northwest	Category: Grave
	According to headstone information, the grave site was ne of the branches of the Cheung clan. It was renovated
Description of Surrounding Environ	iment:
The grave is located by the footpath	between Lei Uk and Lo Wai.
Historical Appraisal:	
	. According to headstone inscription, this is one of the shed in 1909. Renovation was conducted in March 199
Inscriptions:	
	一九九四年三月重修
	XXXXXX男塚聚位之墓 xxx房X全立XXXX吉立
Condition: Good	
Dimensions: Approximately 7m x	12m
Architectural Appraisal: Arm chair	r shaped and finished with Shanghai plaster and cemen
Photographic Records:	



	-					
Site Code: GR06	Site Name:	Cheung Clan	Grave			
Location: On top of a hill by the	Tai Po Country	Trail (see Plar	n 5 in Annex	H2)		
Orientation: East	Orientation: East Category: Grave					
Construction/Renovation Year: T renovated in 1987.	The grave was co	nstructed/re	novated in 1	980 (?)	and	
Description of Surrounding Environment:						
The grave is located on top of the h	uill by the Tai Po	Hiking Trail.				
Historical Appraisal:						
See historical appraisal in <i>Annex Ha</i> There are two dates record from he a construction date or renovation d 1987.	eadstone. One o	of the dates is	1980 but it i	s not s	ure if it w	ras
Inscriptions:						
		沙螺洞 孝 互 富貴 全祀	張公聯興字繼良之墓	一九八O年四月二日 歴	<b>寶安縣</b> 一九八七年三月重修	
Condition: Fair						
Dimensions: Approximately 1m x 2m						
Architectural Appraisal: Arm cha	ur shaped and fi	nished with c	ement.			



Site Code: GR07	Site Name:	Ma Grave	e		
Location: Next to the Tai Po Hiking Trail (see <i>Plan 4</i> in <i>Annex H2</i> )					
Orientation: East	Category:	Grave			
Construction/Renovation Year: Based on the renovation year identified from headstone information. The grave was probably constructed in late 18 <sup>th</sup> century to early 19 <sup>th</sup> century and renovated twice in 1817 and 1987 respectively.					
Description of Surrounding Environ	nment:				
The structure is located next to the	Tai Po Hiking	g Trail and	surroun	ded by bushe	s.
Historical Appraisal:					
The grave of Ma Choi Yuen (馬彩淵 century and renovated twice in 1812		oly construc	ted in la	ate 18 <sup>th</sup> centur	ry to early 19 <sup>th</sup>
Inscriptions:		[			
		民國七十六年歲次丁卯孟冬月吉旦重修	祀xxxx等全立	清顯考諱彩淵馬公府君之墓	嘉慶二十二×次×立仲秋月吉旦重修
Condition: Good					
Dimensions: Approximately 2m x	. 2m				
Architectural Appraisal: Horse sh	oe shaped an	d construct	ted with	n green bricks	and stones.
Photographic Records:					



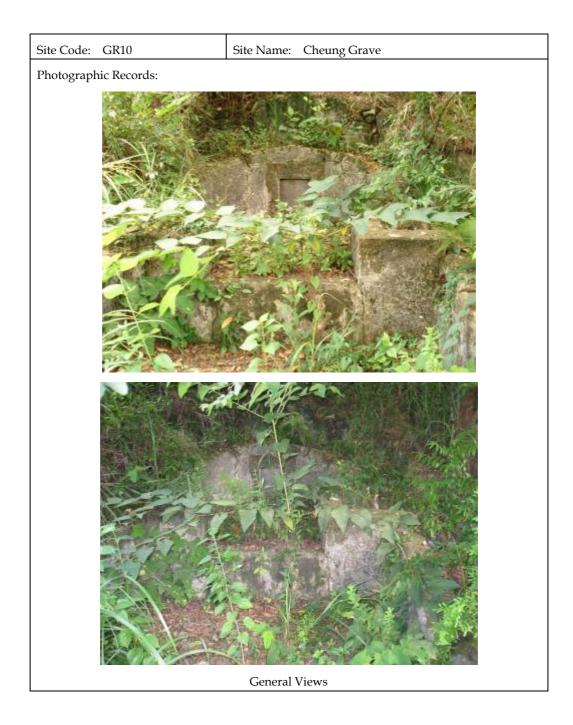
Site Code: GR08	Site Nam	e: Mak C	'lan Gra	ve		
					e of Sha I	Lo Tung
Location: Near Tai Pao Ting (大炮亭) and the public toilet at the entrance of Sha Lo Tung Valley (see <i>Plan 4</i> in <i>Annex H2</i> )						8
Orientation: Northeast	Category	: Grave				
Construction/Renovation Year: A grave, the grave was constructed in	-				adjacent	to the
Description of Surrounding Environ	Description of Surrounding Environment:					
The grave of Mak Clan is located near Tai Pao Ting (大炮亭) and the public toilet at the						the
entrance of Sha Lo Tung Valley at a hill slope with shrubs around it.						
Historical Appraisal:						
According to a headstone found ne renovated in 2002. The deceased b						20. It was
Inscriptions:	Г			₩ +±	すち	
			芳	騰桂	<b>阑</b>	,
芳勝柱蘭 ・六階 中六世祖姓原氏源 ・十六世祖姓原氏源 ・ ・ ・ ・ ・ ・ ・ 一世祖参寮公達元 ・ 、 、 、 、 、 、 、 、 、 、 、 、 、		玄母緾身福壽長	壬午年冬月吉日祀三大房商X孫重修	十六世祖 姚陳氏孺人之墓	本山坐坤山X向X申寅井宿六度X上吉	山朝水抱丁財盛
Condition: Good						
Dimensions: Approximately 3m x 3m						
Architectural Appraisal: Horse shoe shaped and finished with Shanghai plaster.						
Photographic Records:						
General View						



Site Code: GR09	Site Name: Cheung Clan Grave				
	1 2				
Orientation: South	Category: Grave				
Construction/Renovation Year: C	Constructed in 1945 and renovated in 1999				
Description of Surrounding Enviror					
	ill by the Tai Po Hiking Trail surrounded by shrubs.				
Historical Appraisal:					
See historical appraisal in Annex H3	3. The deceased is from Sha Lo Tung Cheung clan and				
was buried in 1945 and the grave w	as renovated in 1999.				
Inscriptions:	「たち」の 「する 「たち」の 「する」の 「」の 「」の 「」の 「」の 「」の 「」の 「」の 「				
Condition: Good					
Dimensions: Approximately 3m x 3m					
Architectural Appraisal: Horsesho	oe shaped and finished with modern materials				
Photographic Records:					
General View					



Site Code: GR10	Site Name: Cheung Grave				
Location: Along the footpath nea	ear Cheung Uk (see <i>Plan 4</i> in <i>Annex H2</i> )				
Orientation: Northwest	Category: Grave				
Construction/Renovation Year: P	Probably constructed in early 20th century				
Description of Surrounding Environ	onment:				
The grave is situated near the Tai Pe	Po Country Trail and surrounded by dense shrubs				
Historical Appraisal:					
The grave of Cheung Shau Yeung (	(張秀揚) was probably constructed in early 20 <sup>th</sup> century.				
Inscriptions:					
	清				
	顯				
	考				
	秀				
	揚出一個				
	張				
	太				
	公 之				
	<ul><li></li></ul>				
	the second se				
A CONTRACTOR OF THE OWNER	In the second se				
	1/3				
the second second	and the second sec				
	the state of a second				
and the state of the					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	A CARACTAR CONTACT				
	A PERCHANNEL AND A				
Condition: Poor					
Dimensions: Approximately 2m x 2m					
Architectural Appraisal: Horsesho	noe shaped and finished with cement				
<b>*</b>					



Annex H6

Detailed Records of Identified Cultural/Historical Landscape Features

Cultural/Historical Landscape Features								
Site Code: LF01	Site Name: Earth Shr	rine						
Full Address: Beside No. 65 Ting Kok Road (see <i>Plan 6</i> in <i>Annex H2</i> )								
Orientation: West Category: Cultural/Historical Landscape Features (Shrine)								
Age of structure: The construction year cannot be determined. According to finishing material used, the shrine was probably renovated in the late 20 <sup>th</sup> century.								
Description of Surrounding Environ	nment:							
The shrine is situated near the begin beside the Society of Horticultural,	0	· ·						
Historical Appraisal:								
The shrine was probably constructed probably constructed in the early 18 shrine was probably renovated in the	<sup>3th</sup> century. According to							
Inscriptions:								
	Architectural Appraisal: The shrine was built with granite rock and finished with cement.							
Existing Condition: Good								



Site Code: LF02	Site Name: Old Stone Path Sign (問路石)							
Location: At a junction of the Hok Tau Reservoir- Cheung Uk Boulder Trackway (see <i>Plan 3</i> in <i>Annex H2</i> )								
Orientation: Southeast	Category: Cultural and Historical Landscape Features							
Construction/Renovation Year: Unknown								
Historical Appraisal:								
This old stone path sign is located at a junction of the Hok Tau Reservoir – Cheung Uk Boulder Trackway (listed as a Site of Archaeological Interest). The trackway was constructed with boulders. While the construction/renovation year of the old stone path sign cannot be determined, newer signs found adjacent to it was probably built in the early 20 <sup>th</sup> century made of concrete.								
Inscriptions:								

左	右
行	È
沙	坪
頭	山
角	仔

Condition: Fair

Architectural Appraisal: Granite stone block inscribed with Chinese words.

Photographic Records:



Front View of the Path Sign



Annex H7

Archaeological Impact Assessment Final Report

## **English Abstract**

ERM-Hong Kong, Limited (ERM) has been commissioned by the Green Power to undertake an Archaeological Impact Assessment (AIA) for a proposed Sha Lo Tung Road improvement works and a Buddha temple and columbarium complex site development at Sha Lo Tung as required by the Antiquities and Monuments Office (AMO) of Leisure and Cultural Services Department (ref. (75) in LCS AM 42/3/5/1 (Pt.V)) dated 14 November 2005. After obtaining relevant licence and permit via AMO and the Tai Po District Lands Office for the work, the archaeological survey was undertaken between 13 March and 17 March 2006, and between 11 July and 12 July 2006 involving boring of 35 auger holes, excavation of 13 test pits and field walking.

Nine pieces of Qing Dynasty blue-and-white porcelain bowl shards were identified within the proposed Buddha temple and columbarium complex site and the northern section of Sha Lo Tung Road from fieldwalking and excavation of Test Pit TP7 which provides evidence of human activities at Sha Lo Tung as early as the early to middle Qing Dynasty. However, these finds are local common village ware shards considered to have negligible value. Due to the commonness, small quantity and lack of cultural layer identified, potential impact to these negligible value finds is considered acceptable. Thus, no mitigation measure is considered necessary.

Nevertheless, a prehistoric artefact, a stone adze, and a historic brown glazed pot ear shard was unearthed in TPs 10 and TP11 located at the southern section of the Sha Lo Tung Road improvement works area. The stone adze identified without association with other datable artefacts. According to the typology, it is dated to Neolithic Age at least 3,800 to 4,000 years ago. Comparison of the glaze used for the historic pot ear shard with similar finds, the pot ear shard is dated to Tang to Song Dynasties. In terms of landscape character, the southern of Sha Lo Tung Road is located within a sand bar parallel to the original coastline. Such landscape is considered to have archaeological potential. The discovery of artefacts in this landscape further confirmed that the area adjacent to a hill slope where TPs10 and 11 located is of archaeological potential. Potential direct impact due to soil excavation at this section of the Sha Lo Tung Road improvement work where TPs 10 and 11 located would be a concern. Due to the low quantity and absence of cultural layer identified from TPs 10 and 11, it is recommended that an archaeological monitoring (watching brief) be undertaken at the section of the Sha Lo Tung Road adjacent to TPs10 and 11 (approximately 100 m long, Figure 5.2) during soil excavation or slope cutting works in the construction phase of Sha Lo Tung Road improvement works. The monitoring should be undertaken by a licenced archaeologist and if artifacts are identified, AMO should be reported.

## 中文摘要

『綠色力量』就擬改善沙螺洞路和興建佛寺及骨灰龕大樓之工程,應康樂及文 化事務署轄下之古物古蹟辦事處的要求(二零零五年十一月十四日信件,檔案號 (75) in LCS AM 42/3/5/1 (Pt.V)),委托了香港環境資源管理顧問有限公司(本 公司)在工程範圍內進行考古影響評估。本公司向古物古蹟辦事處及大埔地政署 申領有關的執照及許可證後,遂於二零零六年三月十三日至十七日及七月十一 至十二日進行了田野考古調查,在工程範圍內完成了地表勘察、發掘了十三個 探方和打了三十五個鑽孔。

在擬建佛寺和骨灰龕大樓範圍內,以及沙螺洞路北段的第七號探方裏,發現了 九片清代青花瓷碗碎片,證明清代初期至中期已有人類在沙螺洞活動。這些都 是本港常見的,而且是沒有重要性的本地鄉村陶瓷器碎片。因出土數量少,並 無沒有發現文化層,擬建工程對這些文物的影響評為可接受,所以不須要緩解 措施。

然而,在沙螺洞路南端的第十號和第十一號探方分別出土了一件史前石錛和一件歷史時代棕色釉陶罐的繫耳。雖然石錛沒有和其他可斷代的文物共存,但就 其形制而言,乃距今三千八百至四千年的新石器時代文物。對比同類陶片的釉 層特點,十一號探方出土的陶罐繫耳應屬於唐宋時代。若就地形論之,沙螺洞 南端一段位於與原海岸線平行的沙堤之上,這種地形通常是一個有考古潛質的 地方,加上在此的考古發現足以確定第十和十一號探方附近一帶有考古潛質。 因此,在第十和十一號探方附近山坡,爲沙螺洞路改善工程而進行的斜坡平整 及挖土工程,將對考古文物有潛在的直接影響。

鑑於工程範圍內發現之文物稀少,而且沒有發現文化層,故建議在工程施工期間,在沙螺洞路南端近第十和第十一號探方的一段約一百米的範圍內(見圖 5.2),在進行挖土或平整斜坡工程時,需要考古監察。考古監察需由一位有執照 的考古學家負責,如發現文物則通知古物古蹟辦事處。

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## 1 INTRODUCTION

#### 1.1 BACKGROUND OF THE PROJECT

In November 2005, Green Power commissioned ERM-Hong Kong, Limited (ERM) to undertake an Archaeological Impact Assessment (AIA) for a proposed Buddha temple and columbarium complex and the proposed Sha Lo Tung Road improvement works at Sha Lo Tung in Tai Po (the Project). The Study Area for the AIA is shown in *Figure 1.1*.

The overall objectives of the Study are to compile an inventory for archaeological potential of the Study Area and to evaluate the possible archaeological impacts due to the proposed Project development. Where necessary, appropriate mitigation measures have been recommended on the impacted archaeological resources.

In order to obtain field data to establish the archaeological potential of the Study Area, an archaeological survey was conducted, comprising fieldwalking, augering and test pits excavation, between 13 March and 17 March 2006, and between 11 and 12 July 2006, after relevant license and permit were obtained from the Antiquities and Monuments Office (AMO) of Leisure and Cultural Services Department (LCSD) and the Tai Po District Lands Office of the Lands Department.

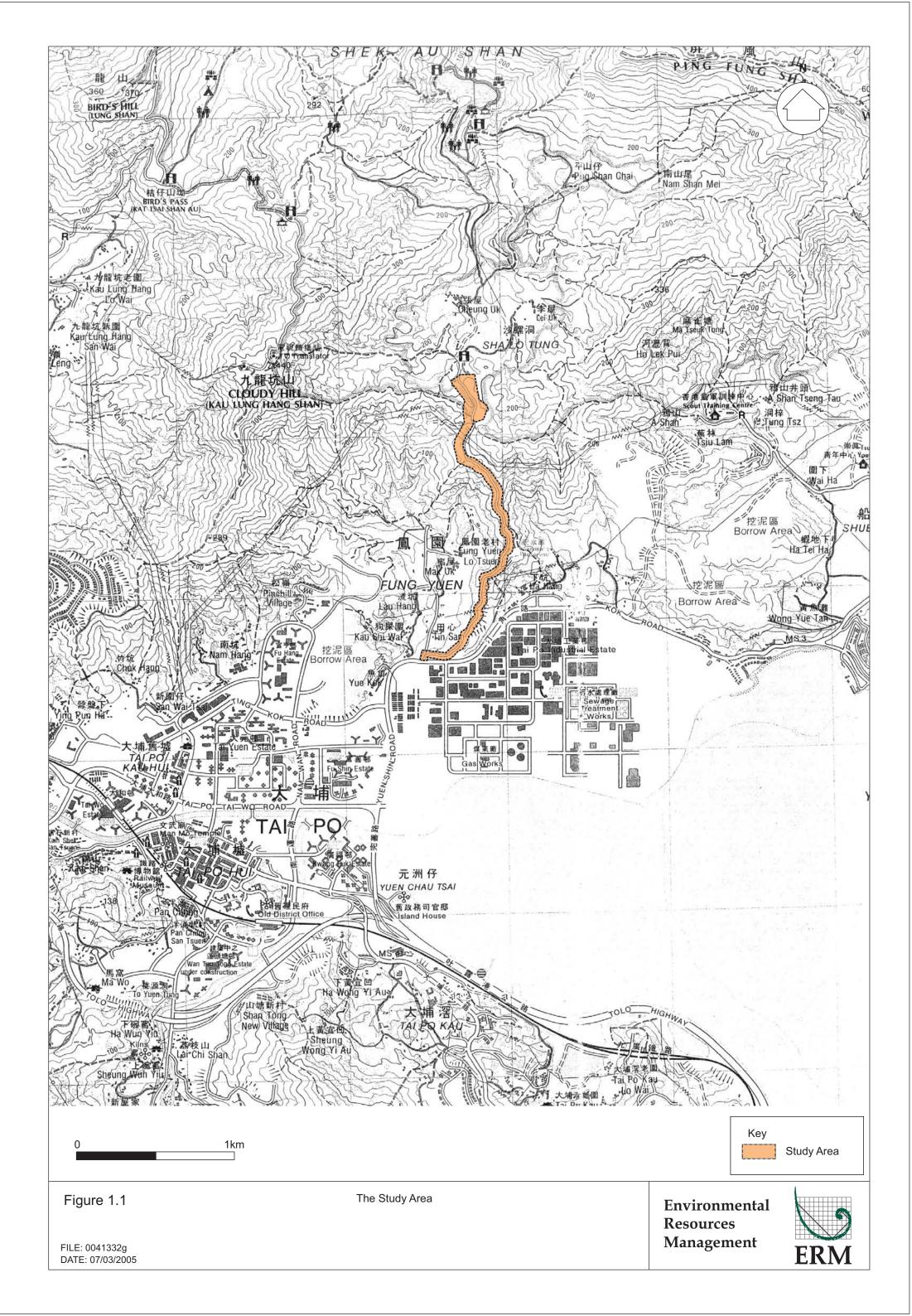
This Report presents the fieldwork finding and the archaeological impact assessment for the proposed Project development.

#### 1.2 ARCHAEOLOGICAL TEAM MEMBERS

The following team members were responsible for the archaeological survey:

Mr Steven W H Ng of ERM	Site Director (Licensed Archaeologist);
Ms Peggy P K Wong of ERM	Trained Archaeologist;
Mr Wong Fu	Trained Archaeologist; and
Land Marker (1980) HK Company Limited, and Mr Lau Chi Yeung	A team of Qualified Land Surveyors.

In addition to the above team members, four trained labourers were employed for the field survey. The processing and analysis of fieldwork records, finds assessment, preparation of drawings and photographic records were undertaken by Steven Ng.



## 1.3 STRUCTURE OF THE REPORT

Following this introductory section, the remainder of this Report comprises the following sections:

Section 2	presents objectives and methodology for the AIA;
Section 3	describes the background of the Study Area;
Section 4	presents the archaeological survey findings;
Section 5	presents the impact assessment; and
Section 6	presents the conclusions and recommendations.
The follow	ing annexes have also been included:
Annex A	Bibliography;
Annex B	Soil profile of Auger Holes;

- Annex C Stratigraphy of Test Pits; and
- Annex D Land Survey of Test Pits.

## 2 OBJECTIVES AND METHODOLOGY

## 2.1 OBJECTIVES

The objectives of this AIA is to determine, as far as reasonably possible, the location, extent, chronology, character, condition, significance and quality of any surviving archaeological remains that may potentially be impacted by the proposed Project development. If archaeological deposits are identified to be potentially impacted by the proposed development, appropriate mitigation measures have been recommended.

The methodology employed to satisfy the objectives is described below.

## 2.2 METHODOLOGY

## 2.2.1 Desktop Research

A desktop study was undertaken to collate available information in order to establish the baseline conditions of the Study Area. Information gathered was obtained from the AMO, Lands Department, tertiary institutions libraries and information from the Internet. Historical, geological and archaeological information of the Study Area had been reviewed including literatures, graphical materials, aerial photos and historical maps. A full bibliography is presented in *Annex A*.

## 2.2.2 Archaeological Survey

The key tasks of the archaeological survey included:

- Field walking and surface collection;
- Augering;
- Test pit excavation; and
- Processing and analysis of retrieved finds.

The scopes of these tasks are described below.

## Field Walking and Surface Collection

The field walking and surface collection were conducted within the accessible land within the Study Area. However, most of the ground surface within the Study Area has long been covered with dense vegetations, hence, the fieldwork focused on augering and test pit excavation.

## Augering

A total of 35 auger holes (AH) were bored within the Study Area (*Figure 2.1*) using hand auger to investigate the vertical soil profile of possible archaeological deposits. The diameter of each auger hole measures approximately 10 cm and reached a maximum depth of 2.2 m below the existing ground surface. The soil stratum is detailed in *Annex B*.

## Test Pit Excavation

Based on the findings from desktop study, a total of 13 test pits (TPs) were allocated within the Study Area (*Figures 2.1 , 2.2 & 2.3*). Each TP measured 1.5 m x 1 m. All the TPs were backfilled to its original level after excavation to sterile layer appropriately 1 m below ground surface.

## Processing and Analysis of Retrieved Finds

The site code of this archaeological survey was designated as TPSLT2006, representing 'Tai Po <u>Sha Lo Tung</u>' and the year of the survey.

Positions of the test pits were recorded according to the Hong Kong metric grid system. The locations of the test pits were surveyed by a qualified land surveyor. The site benchmark was tied into Hong Kong Principal Datum (mPD).

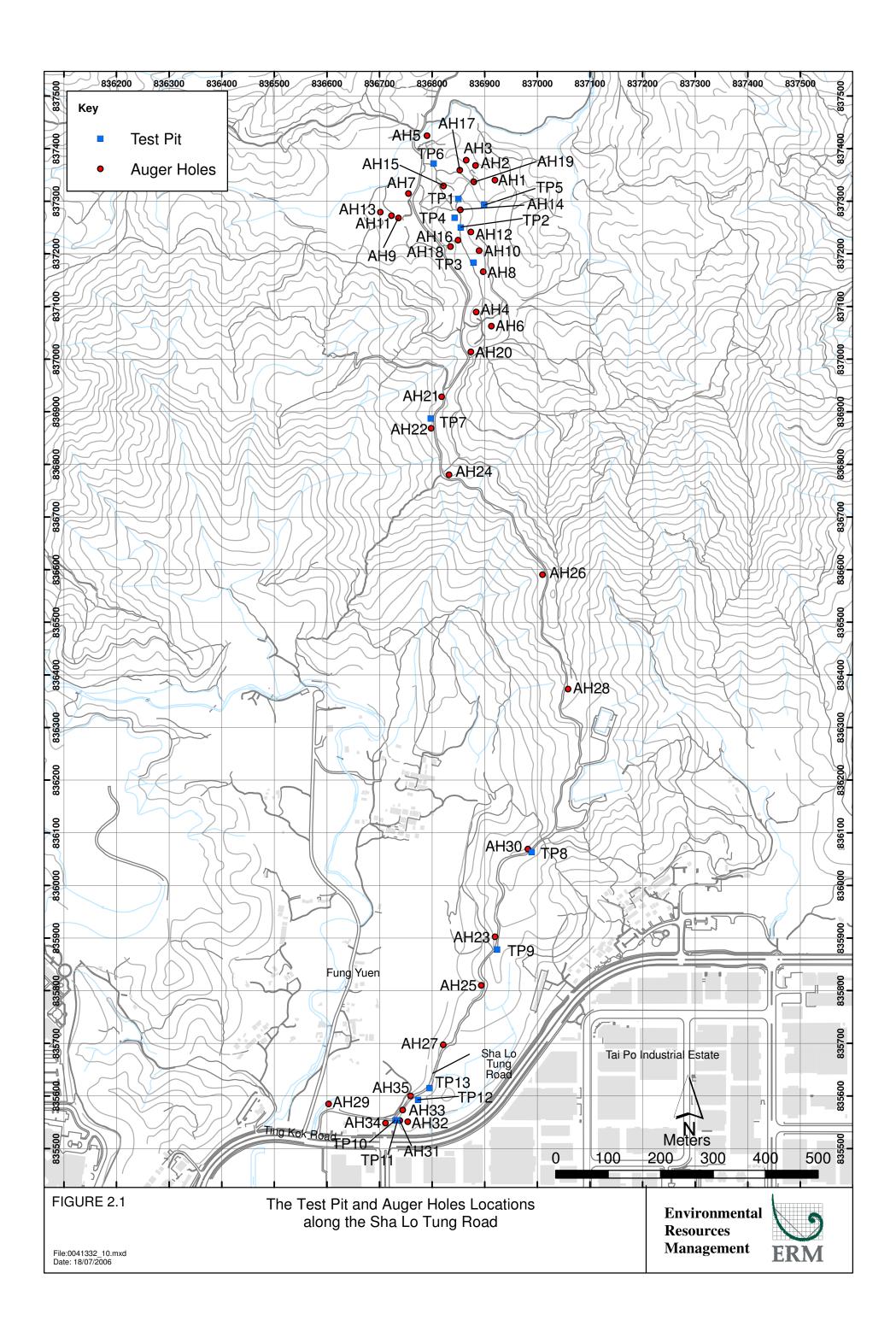
The stratum of each pit was divided by natural deposit according to soil colour, soil texture and any human activities or cultural remains. All test pits and deposits were recorded using ERM's trench and stratum recording system. Stratigraphic drawing and photography of at least one section of each pit was recorded.

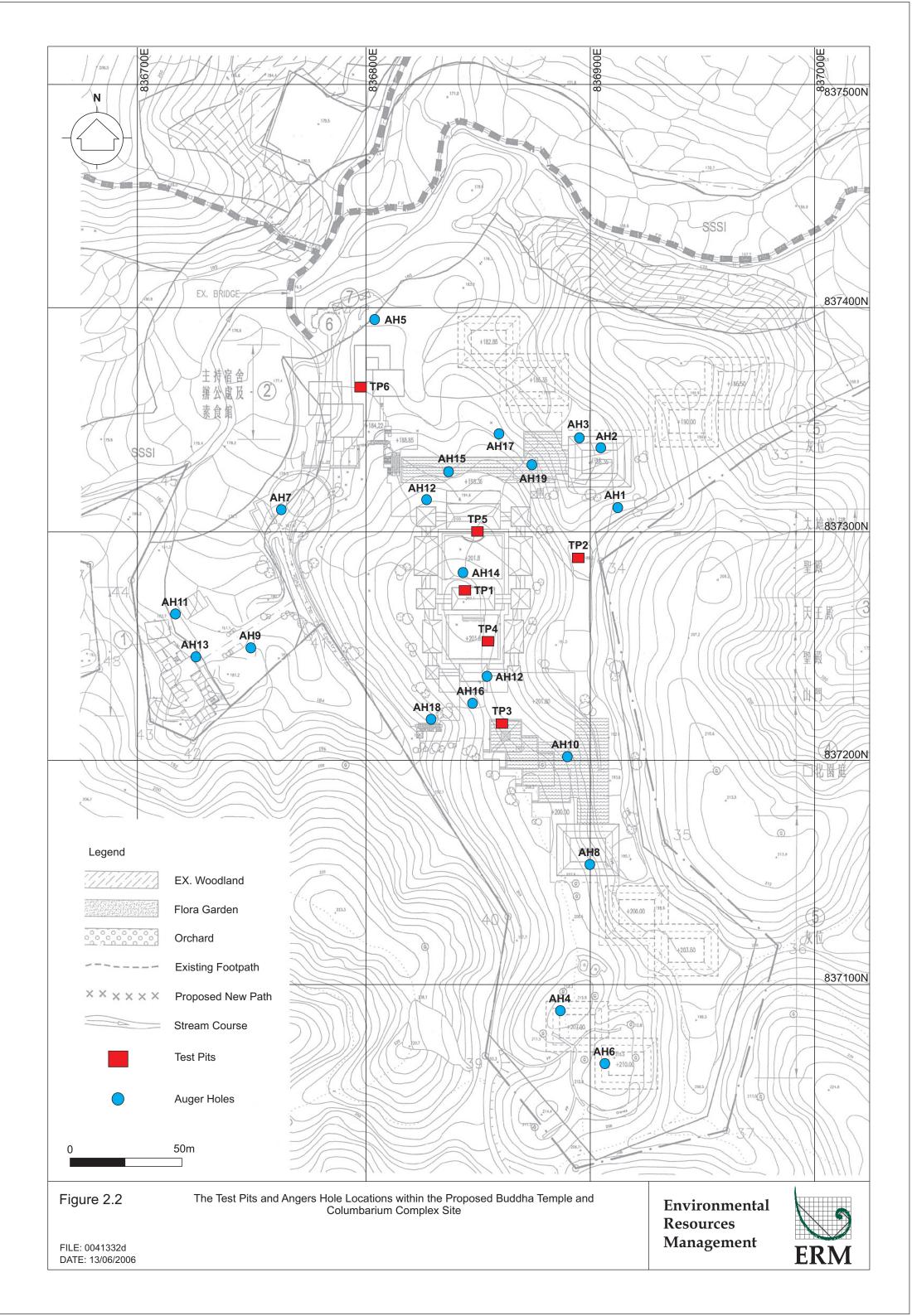
The formations of the soil layers were influenced by both natural and human factors. A soil layer formatted by natural factor and without human or artificial remains is generally classified as a "natural layer". Soil layer with man-made features or remains are regarded as "cultural layer". The soil colour descriptions were described in accordance with the *Munsell Soil Colour Charts* (edition of 2000).

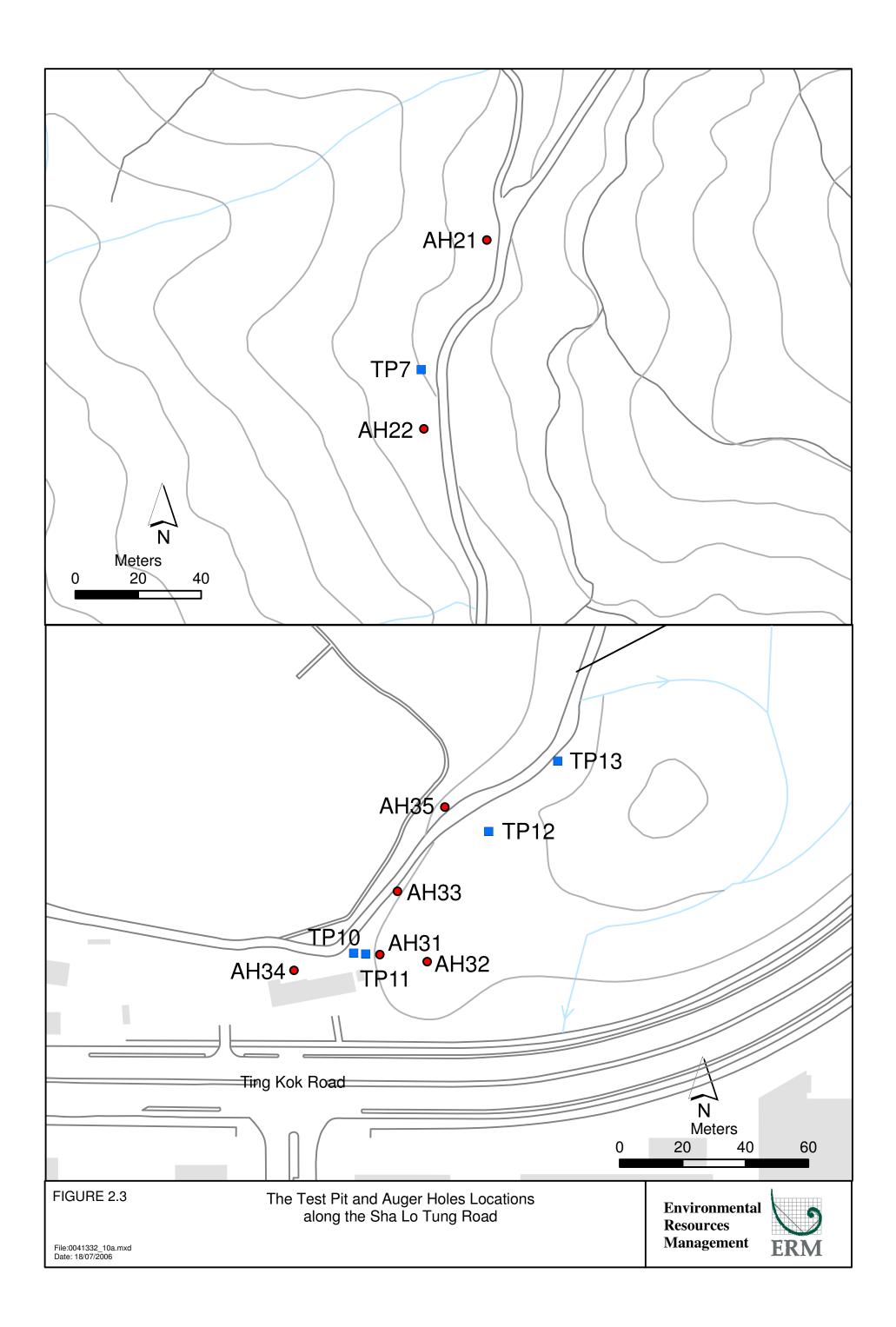
All artefacts excavated from the test pits were carefully washed, cleaned, labelled, bagged and boxed. Their function and chronology were preliminary assessed, and when possible, sorted typologically. No special finds were identified.

## 2.2.3 Impact Assessment

Based on the findings from the above tasks, an impact assessment has been undertaken to assess the potential archaeological impact due to the proposed Project development. The assessment follow the *Environmental Impact Assessment Ordinance Technical Memorandum Annexes 10* and 19 and the *Criteria for Cultural Heritage Impact Assessment* established by AMO.







#### 3 BACKGROUND OF STUDY AREA

#### 3.1 HISTORICAL BACKGROUND

It is believed that inhabitants in Sha Lo Tung were the Hakka people migrated from northeast region of Guangdong Province since the middle of the 17<sup>th</sup> to early 18<sup>th</sup> centuries<sup>(1)</sup>. However, review of the 1688 edition of the *Xin'an Gazetteer* (新安縣志) identified no village recorded in Sha Lo Tung. Until the 1819 edition of *Xin'an Gazetteer* <sup>(2)</sup>, it is found that two villages namely Sha Lo Tung and Ha Hang of Hakka villages were recorded. Review of 1866 *Map of Sun On District*, 1897 *Map of Xinan* of *Guangdong Gazetteer* (廣東通志) identified six settlements comprising Cheung Uk (張屋), Lee Uk (李屋), Sha Lo Tung(沙螺洞), Sha Lo Tung Lo Wai (沙螺洞老圍), Ha Hang(下坑) and Fung Yuen(鳳園) appeared at Sha Lo Tung and its adjacent areas. A village, "Sha Lo Tung" of 100 Hakka people was recorded in the *Report on the Extension of The Colony of Hong Kong* in 1900<sup>(3)</sup>.

In comparing the above mentioned historical documents and maps, it is noted that the Sha Lo Tung area comprised three settlements, including the Cheung Uk, Lee Uk and Sha Lo Tung Lo Wai dated to the late 19<sup>th</sup> century as shown in a 1905 map<sup>(4)</sup> (see *Figure 3.1*) and a 1970s 1:10,000 map. These settlements were established by both Cheung and Lee clans migrated from the northeast region of Guangdong province in the early to middle Qing Dynasty.



Figure 3.1 Map Showing the Topography adjacent to Sha Lo Tung in 1905

(1) 蕭國健 1986 〈復界後的香港〉,《清初遷海前後香港社會的文變遷》,台北,台灣商務印書館。

(3) Lockhart, S. 1900 Report on the Extension of the Colony of Hong Kong, London, Colonial Office. (unpublished)

(4) War Department 1905 Taipo (Scale: 1:31,680), map series number GSGS 1393, Ordnance Survey, Southampton.

<sup>(2)</sup> 舒懋官編 1819《新安縣志·卷二輿地略》,新安縣衙。

#### GEOLOGICAL AND TOPOGRAPHICAL BACKGROUND

3.2

The landform of the Study Area is mainly of characterized by mountain ridges with three villages Fung Yuen Lo Tsuen (鳳園老村), Tin Sum (田心) and Mak Uk (麥屋) at a valley to the west of Sha Lo Tung Road. The proposed Buddha temple and columbarium complex site (the T&C complex) is located on a mountain ridge with the elevation between 180 mPD and 207 mPD (*Figures 3.2, 3.3 & 3.4*). Two streams are running towards the Sha Lo Tung basin surrounded by the hills.

The bed rock of the Study Area consists of coarse ash crystal tuff, blockbearing tuff and tuffie and medium-grained grandiorite. Completely decomposed deposit of loamy soil, and sandy soil are identified above the weathered bed rock stratum. A few strata of sandy soil identified in the test pits and auger holes are regarded as colluvial deposit, soil profile of some test pits and auger holes mainly comprises white coarse sand or alluvial mud deposits.



Figure 3.2 Proposed Buddha Temple and Columbarium Complex Site (View from South to North)

## 3.3 ARCHAEOLOGICAL BACKGROUND

There have been limited archaeological investigations conducted at Sha Lo Tung and its adjacent areas. The closest known archaeological structure is a lime kiln constructed with stone blocks dated to the middle of the 19<sup>th</sup> to early 20<sup>th</sup> centuries by the coast of Tolo Harbour some 150m to the southeast of Sha Lo Tung Road at the current Ting Kok Road known as Ha Hung(*Figure 5.1*)<sup>(1)</sup>. Another known archaeological interest area is located at Fung Yuen located 250 m to the west of Sha Lo Tung Road where two pieces of late Bronze Age to early Iron Age (Warring States Period of China) pottery shards with net and union jack pattern had been collected on a cultivation field between the Mak Uk and Fung Yuen Lo Tsuen<sup>(2)</sup> that reflects the archaeological potential of Fung Yuen.



*Figure 3.3* Northern Slope of Proposed Buddha Temple and Columbarium Complex Site (View from south to north)



*Figure 3.4 Proposed Buddha Temple and Columbarium Complex Site on Mountain Ridge (View from North to South)* 

 Peacock and Nixion 1986 Report of the Hong Kong Archaeological Survey, Vol. III, Part 1, Hong Kong, Antiquities and Monuments Office. (unpublished)

(2) 香港中文大學、珠海市博物館 1998 《全港文物普查第七區》,一至三冊,香港,古物古蹟辦事處。(未刊)

## 4 ARCHAEOLOGICAL SURVEY FINDINGS

#### 4.1 FIELD WALKING AND SURFACE COLLECTION

The purpose of the field walking is to identify the landscape that is less disturbed by previous development in which artefacts may be exposed on the ground surface. The field walking was undertaken at accessible area within the Study Area. The area field walked is shown in the *Figure 4.1*.

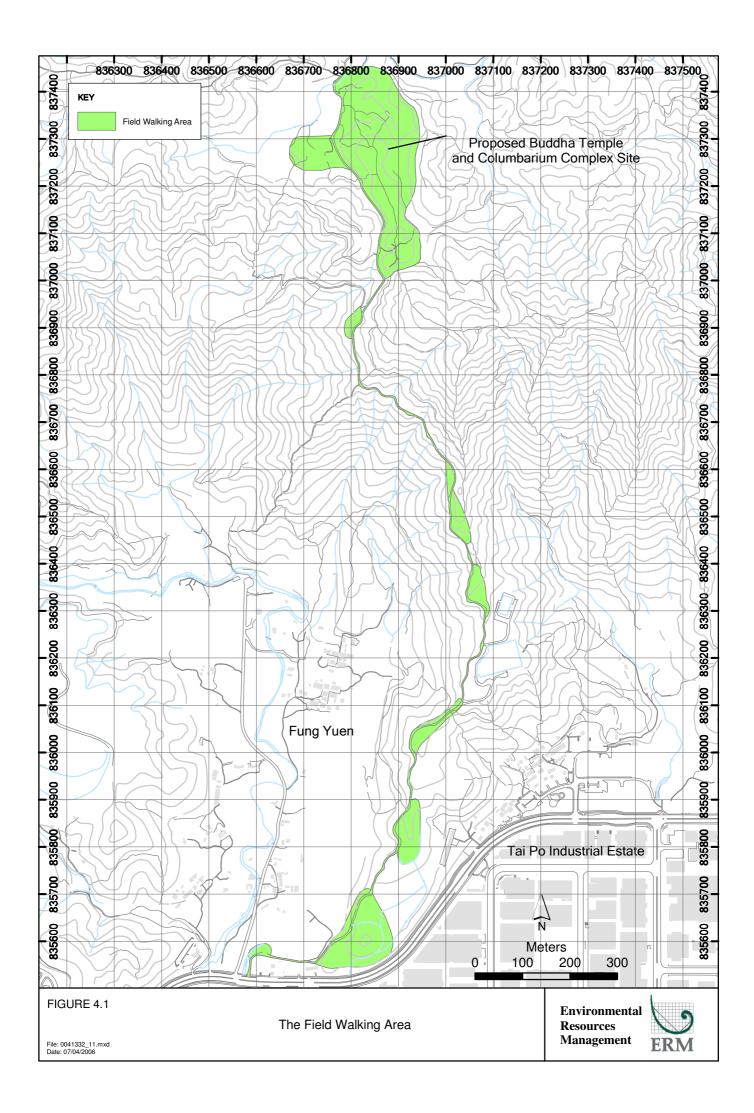
Many bullets can be seen on the ground and about 15 samples of the bullets were collected within the T&C site during field walking. The bullets comprise two types: long bullets and short bullets. The bullets were examined by a retired officer of the former Royal Hong Kong Regiment (RHKR). There are head stamp markings of "RG L12A1 84" identified on the long bullets, according to the retired officer, the long bullets are 7.62 mm selfloading rifle bullets manufactured by the Royal Ordnance Factory, Radway Green in 1984. The code "L13A1" is a code for self-loading rifles used by the former RHKR for exercises purpose. Another head stamp markings of "FN63" on the short bullets and telltale circle, these are 9 mm bullets manufactured by the Nationale Herestal, Belgium in 1963. These bullets were probably used in the 1960s to the 1980s for local military exercises.

Most of the ground surface in the Study Area has long been covered with dense vegetations. Three blue-and-white porcelain bowl shards of negligible value were found during field walking within the proposed T&C site. The shards are decorated with a pattern looks like the Chinese character "*chuan*" (*J*||) on its exterior surface dated to 17<sup>th</sup> to 19<sup>th</sup> centuries (see *Section 4.4* for details).

As a stone adze dated to Neolithic Age at least some 3,800 to 4,000 years ago and a piece of crackled brown glaze pot ear shard had been unearthed in the TPs 10 and 11, a field walking at the adjacent area to the east of TPs10, 11, 12 and 13 with a gentle slope had been undertaken (see *Figure 4.1*). However, no artefacts were found.

#### 4.2 AUGERING

A total of 35 auger holes (AH) were bored within the Study Area (see *Figure* 2.1 for their locations). No artefact or cultural layer was identified from augering. *Table* 4.1 presented a summary of the auger holes (AH) results and the detailed soil profile of each auger holes is presented in *Annex B*.



## Table 4.1Summary of Auger Holes Results

AH Nos.	Area	Soil Profile	Remarks
1 to 19	Proposed Buddha temple & columbarium complex site	Humus top soil, sandy soil, sandy loam, mud, completely decomposed soil	No artefact or cultural layer discovered
20 to 35	Sha Lo Tung Road improvement works	Humus top soil, sandy soil, sandy loam, completely decomposed soil	No artefact or cultural layer discovered

## 4.3 TEST PITTING

A total of 13 test pit were excavated within the Study Area (see *Figures 2.1, 2.2 & 2.3*), six of the 13 test pits were conducted in the proposed T&C site and the remaining seven were conducted along the Sha Lo Tung Road improvement works area.

Most of the stratigraphy of the test pits are top soil stratum, subsoil stratum and regolith stratum. No artefacts were found from all test pits except TPs 6, 7, 10 and 11. The finds unearthed from test pits consisting of a modern bullet from TP6, six pieces of Blue-and-white bowl shards from TP7, a stone adze from TP10 and a brown crackled glaze pot ear shard from TP11.

For the bullet from Layer 1 of TP6, head stamp marking of "RG L12A1 78" is identified on the bullet head. It was used for 7.62mm self-loading rifle manufactured by the Royal Ordnance Factory, Radway Green in 1978 and this kind of L12A1 rifles were used by the former RHKR in the 1970s.

The six pieces of blue-and-white porcelain bowl shards from Layer 1 of TP7 are stamped with floral pattern on the exterior dated to the 18<sup>th</sup> to the 19<sup>th</sup> centuries<sup>(1)</sup>.

A stone adze made of sedimentary rock was unearthed from Layer 3 of TP10 but without association with other datable artefacts. Thus, no stable culture layer can be identified but the result reflected archaeological potential at the adjacent area where TP10 located. A piece of brown crackled glaze pot ear shard was dug form layer 2 of TP11, dated to Tang to Song Dynasties. TPs10 and 11 are located at an original slope of the lower part of a hill ridge not far away from the original coastline (at the present Ting Kok Road where Sha Lo Tung Road links to). Detailed findings of each test pit are presented in *Annex C*.

(1) 周世榮、丁送來、姚澄清、利顯國 2001 〈清青花瓷〉,《中華青花瓷》,北京,人民出版社。

## 4.4 FINDS ASSESSMENT

## 4.4.1 Prehistoric Stone Tool

A stone adze made of sedimentary rock (*Figure 4.2*) was unearthed from Layer 3 of TP10. According to its typology and manufacture techniques, the adze is dated to Neolithic Age, at least some 3,800 to 4,000 years ago. Same kind of adze had been discovered in numerous archaeological sites in Hong Kong, such as Fu Tei site on Chek Lap Kok Island, Sham Wan and Lo So Shing sites on Lamma Island, Island House site at Taipo, Cheung Sha Lan site on Lantau, and Chung Hom Wan site on Hong Kong Island<sup>(1)</sup>. The typology of this kind of adze is known as Duff's Type 2G which is commonly found in southern China and northern Vietnam.



Figure 4.2 Stone Adze unearthed from Layer 3 of TP10

## 4.4.2 *Historic Pottery Shards*

A piece of brown glaze pot ear shard was revealed from layer 2 of TP11 (*Figure 4.3*). The glaze is crackled and only found on the exterior. Most of the glaze was peeled off. This kind of crackled glaze is one of the characters of the products from Guangdong coastal kilns dated to Tang to Song Dynasties (AD618-1127) <sup>(2)</sup>.

<sup>(1)</sup> Roger, P.R. and Valerie Ward 1985 *Stone Adzes of Hong Kong*, Hong Kong, Urban Council.

<sup>(2)</sup> 廣東省文物考古研究所 2005 〈西貢沙下遺址出土宋明陶瓷的考古學觀察〉,《香港的遠古文化:西貢沙下考古發現》,香港,康樂及文化事務署。



Figure 4.3 Brown Crackled Glaze Pot Ear Shard from L2 of TP11

Six pieces of blue-and-white porcelain bowl shards (*Figure 4.4*) were found in Layer 1 of TP7. The shards have stamped floral pattern on the exterior which is a typical pattern of eastern Guangdong porcelain dated to the 18<sup>th</sup> to the 19<sup>th</sup> centuries<sup>(1)</sup>.



Figure 4.4 Blue-and-white Bowl Shards found in TP7

Apart from the above mentioned six pieces of shards, three pieces of shards decorated with a pattern like the Chinese character "*chuan*" (*J*||) on its exterior surface (*Figure 4.5*) dated to the 17<sup>th</sup> to 19<sup>th</sup> centuries were identified from field walking within the proposed T&C site. This decoration pattern was one of

(1) 周世榮、丁送來、姚澄清、利顯國 2001 〈清青花瓷〉,《中華青花瓷》,北京,人民出版社。

the typical designs appeared in bowls between the Ming and late Qing Dynasties and the same kind of decoration pattern was also manufactured from Wu Yiu kilns in Taipo<sup>(1)</sup>.



Figure 4.5 Like-Chinese Character " Chuan" Design Pattern Bowl Shards

A summary of finds discovered from the Study Area is presented in Table 4.2

Test Pit (TP), SC Surface collection)	Layer (L)	Below Surface (cm)	Finds	Quantity	Chronology and Remarks
SC		surface	Chinese character " <i>chuan"</i> design bowl shards	3	The 18 <sup>th</sup> to 19 <sup>th</sup> centuries
TP6	L1	13	Bullet	1	1970s
TP7	L1	10	Blue-and-white bowl shards with stamped pattern	6	The 18 <sup>th</sup> to 19 <sup>th</sup> centuries
TP10	L3	30	Stone adze	1	Neolithic Age
TP11	L2	45	Brown crackled glaze pot ear shard	1	Tang to Song Dynasties

(1) 周世榮 1997 〈香港大埔碗窯青花瓷的初步研究〉,《香港大埔碗窯青花瓷窯址調查及研究》,香港,區域市政局。

#### IMPACT ASSESSMENT & RECOMMENDATIONS

#### 5.1 **PROPOSED T&C SITE**

5

Three pieces of Qing Dynasty blue-and-white porcelain bowl shards were identified within the proposed T&C site, which provide evidence of human activities at Sha Lo Tung as early as the early to middle Qing Dynasty. However, these finds are local common village ware shards considered to have negligible value. Potential impact to these negligible value finds is considered acceptable. Thus, no mitigation measure is considered necessary due to the low quantity and negligible value of the artefacts identified.

#### 5.2 PROPOSED SHA LO TUNG ROAD IMPROVEMENT WORKS

Six pieces of Qing Dynasty blue-and-white porcelain bowl shards were identified within the northern section of the proposed Sha Lo Tung Road improvement works Study Area which provides evidence of human activities at Sha Lo Tung as early as the early to middle Qing Dynasty. However, these finds are local common village ware shards considered to have negligible value. Potential impact to these negligible value finds is considered acceptable. Thus, no mitigation measure is considered necessary due to the low quantity and negligible value of the artefacts identified.

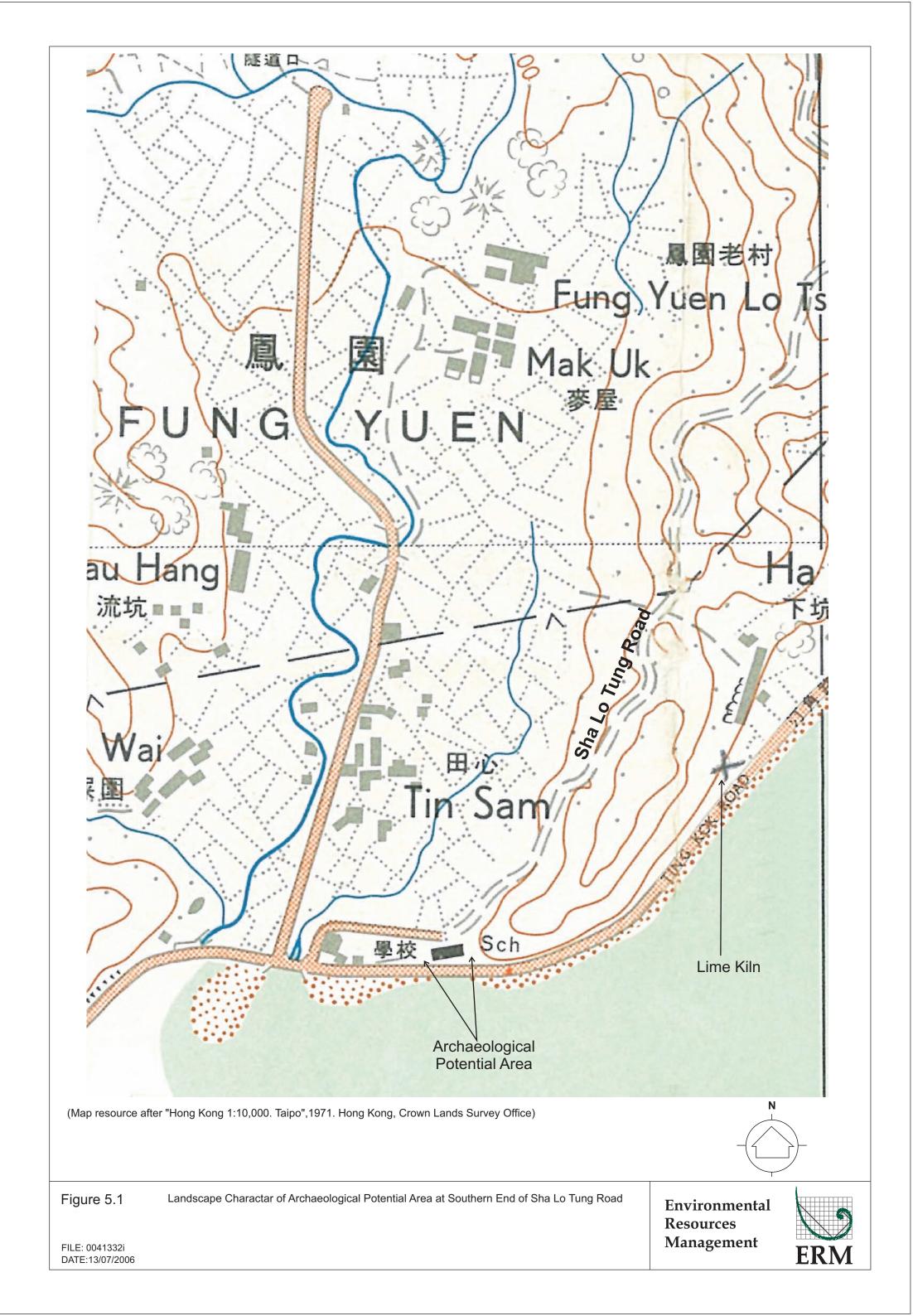
However, a prehistoric stone adze and a historic glazed pot ear shard were unearthed from TPs10 and 11 located at the southern section of the Sha Lo Tung Road improvement works area. The stone adze was identified without association with other datable artefact, according to its typology, the adze is dated to Neolithic Age. According to the characteristic of the glaze of the pot ear shard, it is similar to the finds from Guangdong kilns products which is dated to Tang to Song Dynasties<sup>(1)</sup>.

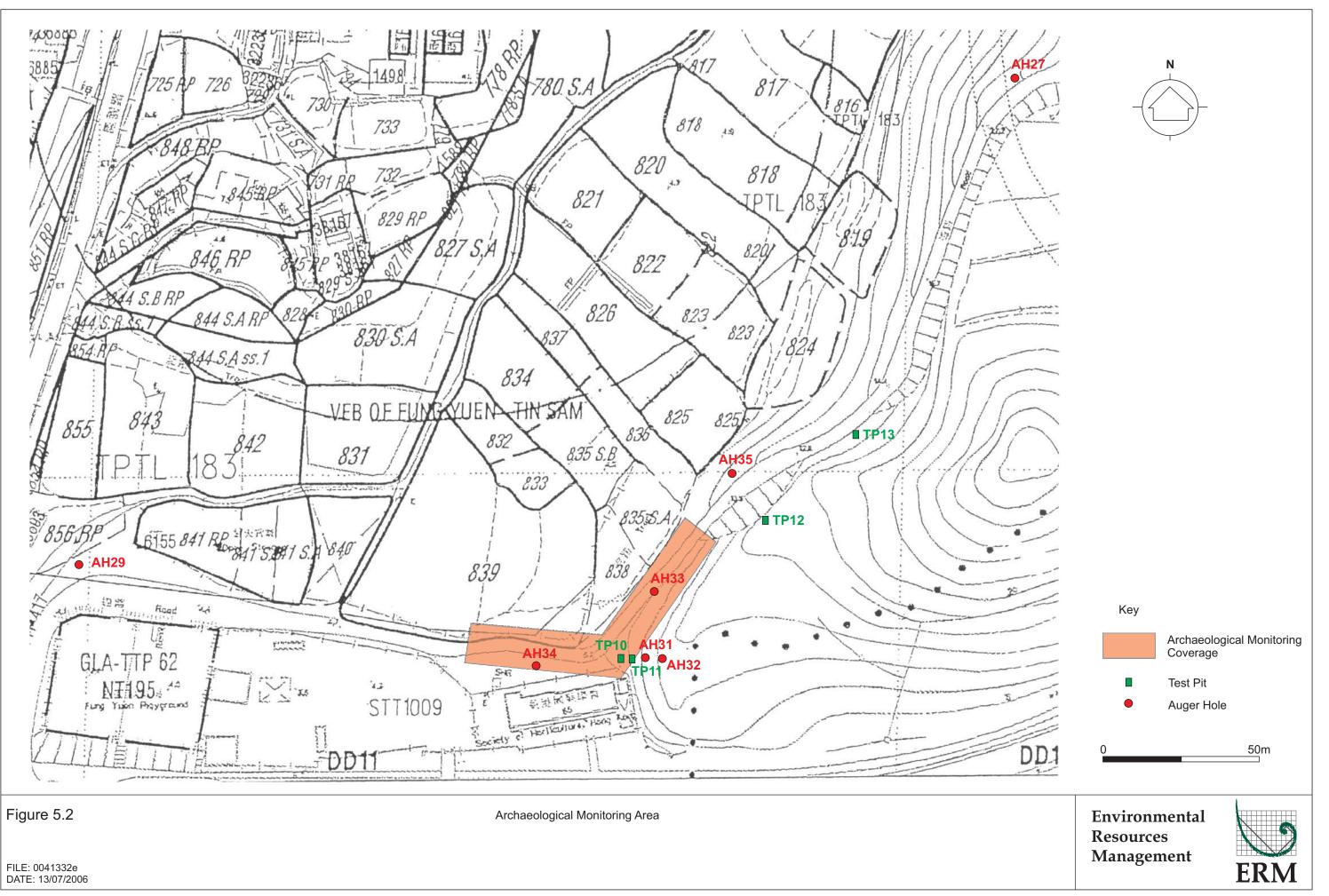
The landscape setting at the southern section of the Sha Lo Tung Road is similar to Sha Ha archaeological site in Sai Kung (i.e., both of the sites are situated on the sand bars at elevation of 4.0 mPD to 5.8 mPD parallel to the original coastline in front of the alluvium valley (see *Figure 5.1*)<sup>(2)</sup>. As a substantial quantity of archaeological finds were discovered from the Sha Ha sand bar, it is therefore inferred that the area adjacent to a small hill where TPs10 and 11 located is of some archaeological potential.

Potential direct impact due to soil excavation or slope cutting at this section of the proposed Sha Lo Tung Road improvement works where TPs10 and 11 located would be a concern. Due to the low quantity and absence of cultural layer identified from TPs10 and 11, it is recommended that an archaeological

 <sup>(1)</sup> 廣東省文物考古研究所 2005 〈西貢沙下遺址出土宋明陶瓷的考古學觀察〉,《香港的遠古文化:西貢沙下考古發現》,香港,康樂及文化事務署。

<sup>(2)</sup> Day, C. 2005 "Landscape Archaeology at Sha Ha, Sai Kung", The Ancient culture of Hong Kong, Archaeological Discoveries in Sha Ha, Sai Kung, Hong Kong, LCSD.





monitoring (watching brief) be undertaken at the section of the Sha Lo Tung Road adjacent to TPs10 and 11 (approximately 100 m long, *Figure 5.2*) during soil excavation or slope cutting works in the construction phase of Sha Lo Tung Road improvement works. The monitoring should be undertaken by a licenced archaeologist and if artifacts are identified, AMO should be reported. Field walking, a total of 35 auger holes and 13 test pits were conducted within the Study Area of the proposed T&C site and the proposed improvement works for Sha Lo Tung Road to obtain field data in evaluating its archaeological potential.

The survey result indicated that three pieces of Qing Dynasty blue-and-white porcelain shards considered to have negligible value due to the small quantity, lack of cultural layer and the commonness of the finds were identified within the proposed T&C site. Thus, it is considered that the development would impose no adverse archaeological impact.

The survey also identified six pieces of Qing Dynasty blue-and-white porcelain blow shards, one Neolithic Age stone adze and a piece of brown crackled glaze pot ear shard from TPs 7 ,10 and 11 located at two areas within the Study Area of the proposed Sha Lo Tung Road improvement works. The blue-and-white porcelain bowl shards identified at the northern section of the Sha Lo Tung Road improvement works is considered to have negligible value due to the small quantity, lack of cultural layer and the commonness of the finds. Thus, it is considered that the development would impose no adverse archaeological impact.

However, the southern section of the Sha Lo Tung Road improvement works where the stone adze and a piece of brown crackled glaze pot ear were unearthed reflected that the adjacent area is of archaeological potential. The landscape setting of this section is similar to the Sha Ha archaeological site in Sai Kung indicating that the area adjacent to TPs 10 and 11 has some archaeological potential. Thus, potential impact on buried surviving archaeological deposits may be a concern.

Due to the small quantity of artifacts identified and lack of cultural layer, it is recommended that an archaeological monitoring (watching brief) be undertaken at the southern section of the Sha Lo Tung Road improvement works adjacent to TPs10 and 11 (approximately 100 m long, *Figure 5.2*) during soil excavation or slope cutting works in the construction phase of Sha Lo Tung Road improvement works. The monitoring should be undertaken by a licenced archaeologist and if artifacts are identified, AMO should be reported.

Annex A

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ENVIRONMENTAL RESOURCES MANAGEMENT

Annex B

Auger Holes Soil Profile

# AUGER HOLE RECORDS

LOCATION	TION Sha Lo Tung Road SITE				Sha	Lo Tung AUGERHOLE NO.			AH1	
LANDFORM	HILL	SLOPE						DATE	03/03/20	06
SOIL PROFILE DEPTH (CM) STRATUM SOIL CO			. COLOUR	COLOUR SOIL TEXTURE			FIND	S REMARKS		
Ground Surface										
	20cm	0 4 8 12 16 20	1	Dark Brov	wn		Humus Top Soil		NON	IE Boring at Slope
	35cm		2	Light Yello	w		Sandy Loam Soil		NON	E
	8 8 8 8	40 -	3	Light Brov	wn		Completely Decomposed Soil			E
				INTERPRETATION			ERM			

Q/0041332f

# AUGER HOLE RECORDS

LOCATION	Sha	Sha Lo Tung Road SITE Sha			Lo Tung AUGERHOLE NO. A			H2			
LANDFORM	Strea	am Valley									
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTURE FINDS			DS	REMARKS
Ground Surface											
	- 42cm	4 8 12 16 20		Dark Brov	wn		Humus Top Soil		NO	NE	
	- 50cm	40	2	Light Yello			Sandy Soil		NO		
*****	<b>FO</b> and	60 -	<u>3</u> 4	Light Grey Light Grey			Sandy Loam Cobbles and Pebbles		NO NO		
240_3         LEGEND         =TOPSOIL       = SANDYLOAM         = GRAVEL       = CLAYEY SOIL         = SAND       = MUD         = SANDYSOIL       = COBBLESANDPEBBLES					INTERPRETATION				ERM		

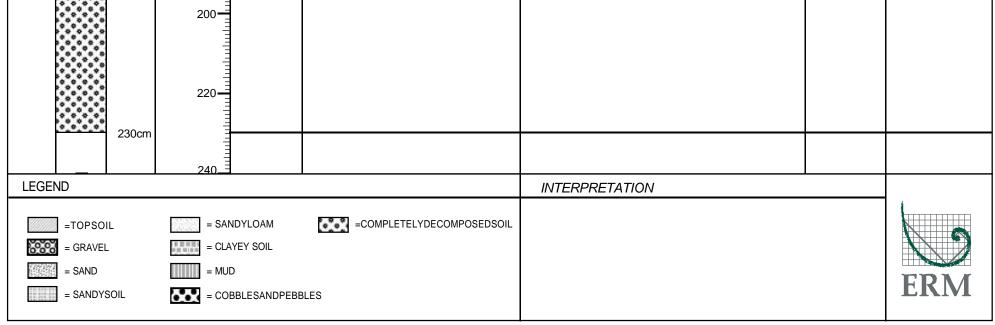
Q/0041332f1

LOCATION	Sha	Lo Tung Ro			SITE	Sha	Lo Tung	AUGERH	OLE	NO.	A	H3
LANDFORM	Valle	y Plain						DATE	1:	2/03/200	06	
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE		FINDS	6	REMARKS
Ground St	urface		-									
	8cm	0	1	Dark Brov	wn		Humus Top Soil			NON	E	
		12 16 20 40	2	Light Yello	ЭW		Sandy Loam Soil			NONE	Ē	
	50cm 56cm		3	Light Gre	у		Cobbles and Pebbles			NONE	=	
		60 80 100 120 140 160 220 220										
LEGEND =TOPS = GRAV = SAND = SAND	EL	= CL	NDYLOAM AYEY SOIL ID IBBLESANDPEBE		PLETELYDECOMP	POSEDSOIL	INTERPRETATION					ERM

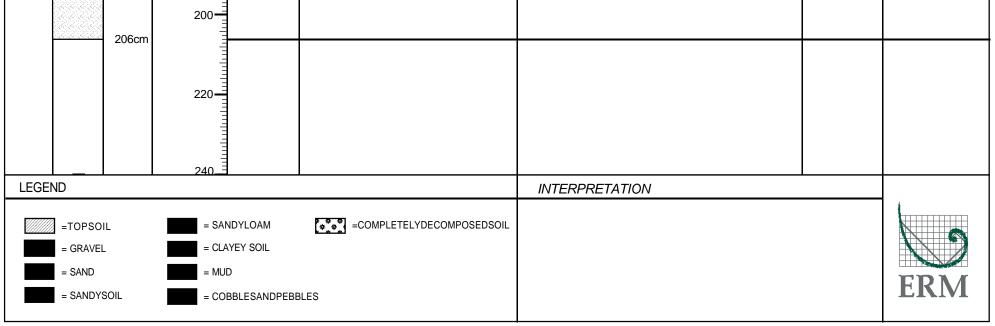
LOCATION	Sha	Lo Tung R	oad		SITE	Sha	Lo Tung	AUGER	HOLE NO.	AH4
ANDFORM	HILL	SLOPE						DATE	14/03/20	06
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FINDS	S REMARKS
Ground Su ▼	ırface	-	-							
	- 10cm	0 4 - 8 -		Dark Brov	wn		Humus Top Soil		NONE	1
		12 - 16 - 20 -		Yellow			Sandy Loam		NONI	≡
	- 40cm	40 —								
		60 —	3	Light Yell	ow		Sandy Soil		NONI	≣
	75cm	80 -	4	Grayish V	Vhite		Completely Decomposed	l Soil	NONI	Ξ
\$`\$`\$`\$ \$`\$`\$`\$` \$`\$`\$`\$`	- 100cm	100								
		120								
		140								
		160-								
		180								

	220			
LEGEND	· · · · · · · · · · · · · · · · · · ·		INTERPRETATION	
=TOPSOIL = GRAVEL = SAND = SANDYSOIL	= SANDYLOAM = CLAYEY SOIL = MUD COBBLESANDPEB	=COMPLETELYDECOMPOSEDSOIL		ERM

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH5
LANDFORM	HILL	SLOPE						DATE	14/03/20	06
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground Su	urface									
	15am	4 - 8 - 12 -	1	Dark Grey	ý		Humus Top Soil		NON	E
	15cm	16 - 20								
	8 9 9 9 9 9 9	40 —								
	9 9 9 9 9 9 9	60 -								
	8 9 8 9 9	80 -								
	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	100	2	Reddish			Completely Decomposed	Soil	NON	E
	9 9 9 9 9 9 9 9 9 9 9 9	120								
		140								
	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	160-								
	9 9 9 9 9 9 9 9	180								



LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	DLE NO.	A	H6
LANDFORM	HILL	SLOPE						DATE	14/03/2	006	
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	. COLOUR		SOIL TEXTUR	RE	FIN	DS	REMARKS
Ground St	urface										
	10cm	0 4 8	1	Brown			Humus Top Soil		NOI	١E	
		12 - 16 - 20 - 40 - 60 -		Reddish \	<b>′ello</b> w		Sandy Soil		NOI	NE	
		80	3	Reddish	Yellow		Sandy Loam		NO	NE	



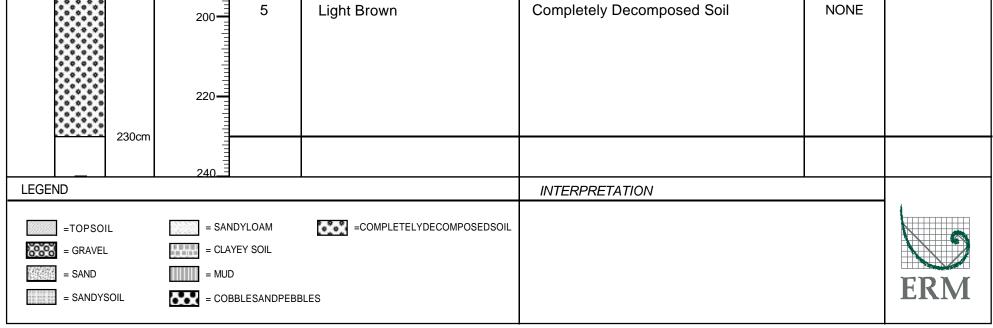
LOCATION	Sha I	Lo Tung Ro	bad		SITE	Sha	Lo Tung	AUGERH	IOLE NO.	AH7
LANDFORM	HILL	SLOPE						DATE	14/03/20	06
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground St	urface									
	- 10cm	0 4 8	1	Drak Brov	wn		Humus Top Soil		NONE	<u> </u>
	50cm	12 - 16 - 20 - 40 -	2	Grey			Sandy Soil		NON	≣
	50011	60 -	3	Light Gre	у		Sandy Loam		NONI	Ξ
	- 67cm	80		Brown			Sand		NON	E Water Table
	133cm		5	White			Sand		NONI	=
		140								

LEGEND	INTERPRETATION	
=TOPSOIL       = SAND         = GRAVEL       = CLAYE         = SAND       = MUD         = SANDYSOIL       = COBB		ERM

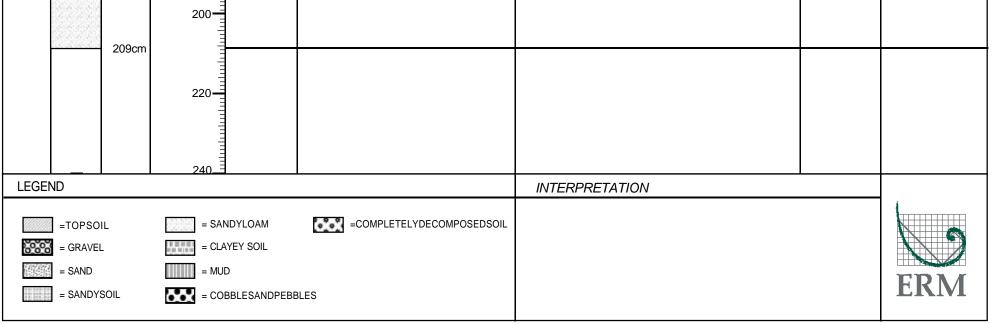
LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	IOLE NO.	AH8	
LANDFORM	HILL	SLOPE			•			DATE	14/03/2	006	
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIN	DS REM/	ARKS
Ground Su	urface										
	- 18cm	4 - 8 - 12 - 16 - 20 -	1	Dark Brow	wn		Humus Top Soil		ION	NE	
	– 114cm		2	Reddish `	Yellow		Sandy Loam		NO	NE	
		120- 140- 160-									

	220			
LEGEND	·		INTERPRETATION	
=TOPSOIL = GRAVEL = SAND = SANDYSOIL	= SANDYLOAM = CLAYEY SOIL = MUD COBBLESANDPEB	=COMPLETELYDECOMPOSEDSOIL		ERM

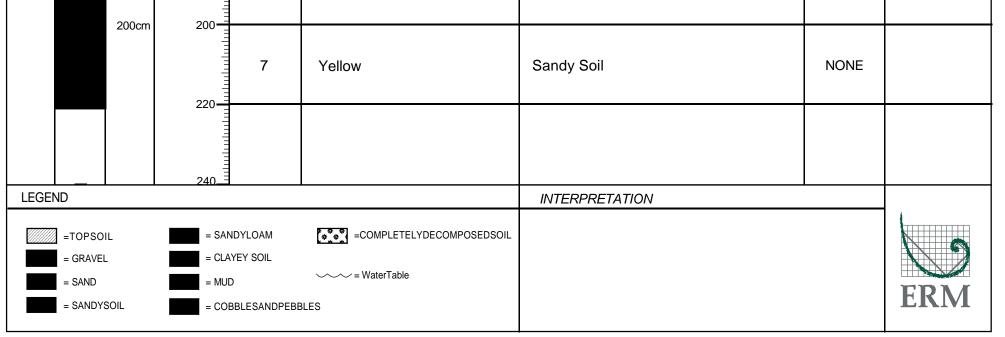
LOCATION	Sha	Lo Tung Ro	bad		SITE	Sha	Lo Tung	AUGERH	IOLE NO.	AH9
LANDFORM	Valle	ey Plain						DATE	14/03/20	06
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground St	urface									
	_	4 - 8 -	1	Brown			Humus Top Soil		NON	=
	Florm	12 16 20 40	2	Grey			Sandy Loam		NON	Ξ
	– 50cm	60	3	White			Sandy Loam		NON	≣
	- 70cm	80 100 120 140	4	Light Yell	ow		Sandy Soil		NON	E Occasion With Rock Water Tab
	- TUSUII - TUSUII 	180	5	Light Bro			Completely Decomposed		NON	_



LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	IOLE NO.	AH10
LANDFORM	HILL	SLOPE						DATE	14/03/20	06
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FINDS	S REMARKS
Ground Si ▼	urface									
		0		Reddish \	⁄ellow		Sandy Soil		NONE	<u>=</u>
	- 40cm - 60cm	40	2	Greyish Y	ellow		Sandy Loam		NONE	=
		80	3	Reddish	<b>′ellow</b>		Sandy Loam		NON	Ξ



LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	IOLE NO.	AH11
LANDFORM	Valle	y Plain			<u>.</u>			DATE	14/03/200	)6
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE	FINDS	B REMARKS
Ground Su	urface									
		4 8 12 16 20 40		Grey		~	Top Soil	~~~	NONE	Below 10cm is Water Tab
	50cm 60cm	60 —	2	Bluish Wł	nite		Sand		NONE	Occasiona with Grave
	70cm		3	Light Yell	wc		Clayey Soil		NONE	E
		80	4	White			Mud		NONE	E Water Tab
	105cm	120	5	Yellow			Sandy Soil		NONE	
	136cm	140	6	Reddish			Sand		NONE	Occasiona with Plant Remain



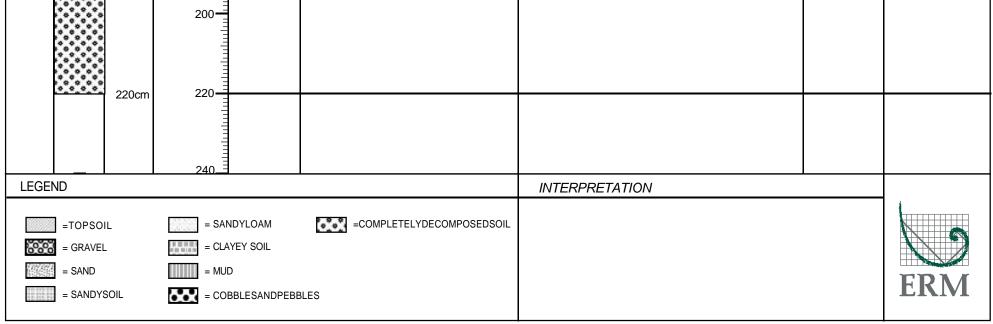
LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH12	
LANDFORM	HILL	SLOPE						DATE	DATE 14/03/2006		
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	SOIL COLOUR SOIL T			RE	FINI	DS REMARK	
Ground Su	urface	- - - 0	-								
	- 20cm	4 - 8 - 12 - 16 - 20 -	1	Brown			Humus Top Soil		NOM	iΕ	
		40 -									
		80 —									
		100	2	Yellow			Sandy Loam		NOM	١E	
		120									
		140									
		160									
		180									

240cm	200			
LEGEND	2.10.		INTERPRETATION	
=TOPSOIL = GRAVEL = SAND = SANDYSOIL	= SANDYLOAM = CLAYEY SOIL = MUD = COBBLESANDPEBE	COMPLETELYDECOMPOSEDSOIL		ERM

LOCATION	Sha	Lo Tung Ro		SITE	Sha	Lo Tung	AUGER H	IOLE NO.	E NO. <b>AH13</b>		
LANDFORM	Valle	y Plain						DATE	14/03/2	006	
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIN	DS	REMARKS
Ground St ▼	urface	- - - 0	-								
	– 15cm	4 - 8 - 12 - 16 -	1	Dark Gre	у		Humus Top Soil		NO	NE	
	65cm	20 — 40 — 60 —	2	Light Gre	у		Sandy Loam		NO	NE	Water Table
		80	3	Brownish	Grey		Sandy Soil		NO	NE	Occasion with Rocks
		120- 140- 160-									

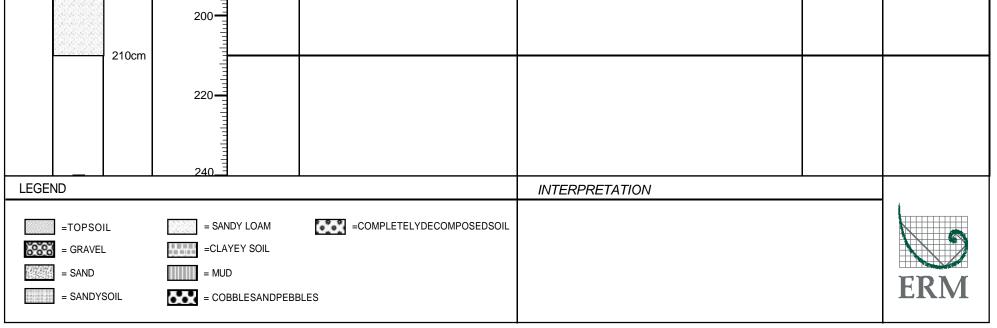
	220-			
LEGEND			INTERPRETATION	
=TOPSOIL = GRAVEL = SAND = SANDYSOIL	<ul> <li>SANDY LOAM</li> <li>= CLAYEYSOIL</li> <li>= MUD</li> <li>= COBBLESANDPEB</li> </ul>	=COMPLETELYDECOMPOSEDSOIL		ERM

LOCATION	Sha	Sha Lo Tung Road			SITE	Sha	Lo Tung	AUGERH	HOLE NO.	AH14
LANDFORM	HILL	SLOPE						DATE	14/03/20	06
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground St	urface		-							
		4 - 8 - 12 - 16 - 20 -		Dark Brov	wn		Sandy Soil		NON	E
	156cm	40	2	Yellow			Sandy Loam		NON	E
	0 0 0 0 0 0 0 0 0 0 0	180	3	Reddish Y	<i>'</i> ellow		Completely Decomposed	Soil	NON	E



LOCATION	DCATION Sha Lo Tung Road					Sha	Lo Tung	AUGER H	JGER HOLE NO.		A	H15
LANDFORM	HILL	SLOPE				-		DATE	1	5/03/200	06	
SOIL PRC	DFILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE		FINDS	6	REMARKS
Ground S	urface	- - - -	-									
			Brown		Sandy Soil		NONE	Ξ				
		60	2	Whitish Y	ellow		Sandy Loam			NONE	Ξ	
	120cm	140- 160- 180- 200-										
				PLETELYDECOMP	POSEDSOIL	INTERPRETATION			1		ERM	

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH16	
LANDFORM	HILL	SLOPE		DATE 1				15/03/20	15/03/2006		
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS	
Ground St	urface										
	– 15cm	4 - 8 - 12 - 16 -		Dark Gra	y		Sandy Soil		NON	E	
		20									
		40 -									
		60 -									
		80 -									
		100									
		120	2	Yellow			Sandy Loam		NON	E	
		140-									
		160-									
		180									



LOCATION	Sha Lo Tung Road			SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH17	
LANDFORM	HILL	SLOPE						DATE	15/03/20	06
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground St	urface		-							
	- 18cm	0 4 8 12 16 20		Brown			Humus Top Soil		NON	E
		40								
		60 -	2	Yellow			Sandy Loam		NON	E
		80 -								
		100								
		120								
	- 140cm	140								
		160-								
		180								

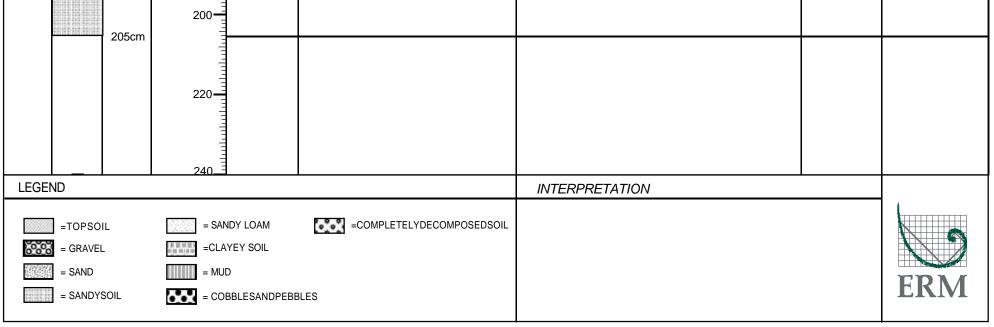
LEGEND		INTERPRETATION		
	= SANDY LOAM       =COMPLETELYDECOMPOSEDSOIL         =CLAYEY SOIL       = MUD         = COBBLESANDPEBBLES       = COBBLESANDPEBBLES		ER	<b>S</b> M

LOCATION	Sha	Lo Tung Ro	bad		SITE	Sha	Lo Tung	AUGERH	HOLE NO.	AH18	
LANDFORM	HILL	SLOPE			<u>.</u>			DATE	DATE 15/03/2006		
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTU	RE	FIND	S REMARKS	
Ground St	urface										
	- 13cm	0 4 8 12		Dark Gre	y		Sandy Soil		NON	E	
		40	2	Yellow			Clayey Soil		NON	E	
		60	3	Pale Yello	DW		Sandy Soil		NON	E	
	80cm	80 100 120 140 160									

	220-			
LEGEND			INTERPRETATION	
=TOPSOIL = GRAVEL = SAND = SANDYSOIL	<ul> <li>= SANDY LOAM</li> <li>= CLAYEY SOIL</li> <li>= MUD</li> <li>= COBBLESANDPEBE</li> </ul>	COMPLETELYDECOMPOSEDSOIL		ERM

LOCATION	LOCATION Sha Lo Tung Road					Sha	Lo Tung	AUGERHOLE NO.			Aŀ	H19
LANDFORM	HILL	SLOPE						DATE	1	5/03/20	06	
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE		FINDS	5	REMARKS
Ground S	urface		-									
	- 15cm	4 - 8 - 12 -		Brown			Humus Top Soil			NONE	Ē	
	- 170cm	16 - 20 - 10 - 100 - 1	2	Yellow			Sandy Loam			NONE		
		180										
LEGEND			PLETELYDECOMP	POSEDSOIL	INTERPRETATION					ERM		

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	OLE	E NO.	AH	20
LANDFORM	HILL	SLOPE						DATE	1	5/03/200	)6	
SOIL PRO	OFILE	DEPTH (CM)	STRATUM	SOIL	. COLOUR		SOIL TEXTUR	RE		FINDS	3	REMARKS
Ground S	urface		-									
	15cm	0 4 8 12	1	Dark Brov	wn		Humus Top Soil			NONE		
		16 - 20 - 16 - 20 - 16 - 160 - 160 - 160 - 180	2	Yellow			Sandy Soil			NONE		



LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	HOLE NO.	AH21
LANDFORM	HILL	SLOPE						DATE	15/03/20	06
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground Su	urface	- - - 0	-							
	– 35cm	4 8 12 16 20		Dark Brov	wn		Humus Top Soil		NONE	E
	- 170cm		2	Reddish	ŕellow		Sandy Loam		NONE	

LEGEND		INTERPRETATION		
	= SANDY LOAM       =COMPLETELYDECOMPOSEDSOIL         =CLAYEY SOIL       = MUD         = COBBLESANDPEBBLES       = COBBLESANDPEBBLES		ER	<b>S</b> M

LOCATION	Sha	Lo Tung Ro	oad	SITE Sha Lo Tung AUGERHOLE N			OLE NO.	AH22		
LANDFORM	HILL	SLOPE						DATE	15/03/20	06
SOIL PRO	DFILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground S ▼	urface	- - - 0								
	- 10cm	4 - 8 -	1	Dark Gray	/		Humus Top Soil		NON	E
		12 16 20 40 60 80	2	Yellow			Sandy Soil		NON	E
		100- 120- 140- 160- 180- 200- 220-								
LEGEND				<u> </u>			INTERPRETATION			
=TOPS = GRAV = SAND = SAND	ΈL	=CLA	NDY LOAM AYEY SOIL ID IBBLESANDPEBE		PLETELYDECOMP	OSEDSOIL				ERM

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	OLE	E NO.	Α	H23
LANDFORM	HILL	SLOPE						DATE	1	5/03/200	06	
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	. COLOUR		SOIL TEXTUR	RE		FINDS	6	REMARKS
Ground S	urface											
		$0 - \frac{4}{8}$ $12$ $16$ $20 - \frac{4}{10}$ $40 - \frac{10}{100}$ $100 - \frac{100}{100}$ $120 - \frac{100}{100}$	1	Orange			Sandy Soil			NONE		
LEGEND	1	240					INTERPRETATION					
=TOPS = GRAV = SAND = SAND	EL	=CLA	NDY LOAM AYEY SOIL D BBLESANDPEBE		PLETELYDECOMP	POSEDSOIL						ERM

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	IOLE NO.	AH24
LANDFORM	HILL	SLOPE						DATE	15/03/20	06
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground Su	urface		-							
			1	Reddish	Yellow		Sandy Loam		NONE	
	90cm	100	2	Yellow			Sandy Soil		NONE	<u> </u>
		140-	3	Orange			Sandy Soil		NONE	E

LEGEND		INTERPRETATION		
	= SANDY LOAM       =COMPLETELYDECOMPOSEDSOIL         =CLAYEY SOIL       = MUD         = COBBLESANDPEBBLES       = COBBLESANDPEBBLES		ER	<b>S</b> M

LOCATION	Sha	Lo Tung Ro	oad	SITE Sha L		Sha Lo Tung AUGERHO		IOLE	DLE NO.		H25	
LANDFORM	HILL	SLOPE				_		DATE	1	6/03/200	06	
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOILTEXTUR	RE		FINDS	6	REMARKS
Ground St	urface		-									
	5cm	0	1	Dark Brow	WN		Humus Top Soil			NONE	:	
	96cm	12 16 20 40 60 80	2	Reddish E	Brown		Sandy Loam			NONE		
		100- 120- 140- 160- 200- 220- 240-										
LEGEND =TOPS = GRAV = SAND = SAND	EL	=CL/	NDY LOAM AYEY SOIL ID DBBLESANDPEBE		PLETELYDECOMF	POSEDSOIL	INTERPRETATION					ERM

LOCATION	Sha	Lo Tung R	oad		SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH26
LANDFORM	HILL	SLOPE						DATE	16/03/20	06
SOIL PRC	DFILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground S	urface									
	8cm	0 4 8	1	Brown			Humus Top Soil		NONI	≣
		12 - 16 - 20 -		Yellow			Sandy Soil		NONI	≣
	35cm	40 -								
		60 -	3	Reddish \	fellow		Sandy Loam		NONI	≣
	- 90cm	80 -								
		100								
		120-								
		140-								
		160-								
		180-								

LEGEND		INTERPRETATION		
	= SANDY LOAM       =COMPLETELYDECOMPOSEDSOIL         =CLAYEY SOIL       = MUD         = COBBLESANDPEBBLES       = COBBLESANDPEBBLES		ER	<b>S</b> M

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH27
LANDFORM	HILL	SLOPE			-			DATE	16/03/20	)06
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	DS REMARKS
Ground S	urface	-								
	- 6cm	048	1	Dark Brov	wn		Humus Top Soil		NON	E
	193cm	$12 \\ 16 \\ 20 \\ 40 \\ 60 \\ 80 \\ 100 \\ 120 \\ 140 \\ 160 \\ 180 $	2	Reddish E	Brown		Sandy Loam		NON	E
		200-								
LEGEND							INTERPRETATION			i
=TOPS = GRAV = SAND = SAND	EL	=CLA	NDY LOAM AYEY SOIL ID DBBLESANDPEBE		PLETELYDECOMF	POSEDSOIL				ERM

LOCATION	Sha	Lo Tung Ro	bad		SITE	Sha	Lo Tung	AUGERH	HOLE NO.	4	AH28
LANDFORM	HILL	SLOPE						DATE	16/03/	2006	
SOIL PRO	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE	FI	NDS	REMARKS
Ground Su ▼	ırface										
	- 30cm	0	1	Orange			Sandy Soil		NO	DNE	
		40 -	2	Reddish \	⁄ellow		Sandy Loam		N	DNE	
	80cm	80									

	220-			
LEGEND			INTERPRETATION	
=TOPSOIL = GRAVEL = SAND = SANDYSOIL	<ul> <li>= SANDY LOAM</li> <li>= CLAYEY SOIL</li> <li>= MUD</li> <li>= COBBLESANDPEBE</li> </ul>	COMPLETELYDECOMPOSEDSOIL		ERM

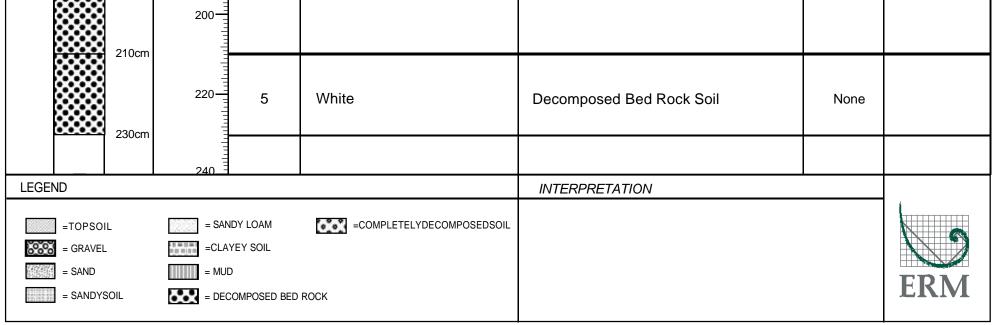
LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERHOLE NO.			Α	H29
LANDFORM	HILL	SLOPE						DATE	1	6/03/200	06	
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	.COLOUR		SOIL TEXTUR	RE		FINDS	6	REMARKS
Ground S	urface		-									
		0	1	Dark Brov	vn		Sandy Soil			NONE	Ē	
	50cm 55cm		2	Dark Grey	/		Sandy Loam			NONE		
		60 80 100 120 140 160 200 220 240										
LEGEND		24()					INTERPRETATION					
=TOPS = GRAV = SAND = SAND	EL	=CLA	NDY LOAM AYEY SOIL ID DBBLESANDPEBE		PLETELYDECOMF	POSEDSOIL						ERM

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERHOLE NO.			Α	H30
LANDFORM	HILL	SLOPE						DATE	1	5/03/200	06	
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	. COLOUR		SOIL TEXTUR	RE		FINDS	6	REMARKS
Ground S	urface											
			1	Reddish Y	⁄ellow		Sandy Loam			NONE	Ξ	
LEGEND							INTERPRETATION					
LEGEND =TOPS = GRAV = SAND = SAND	EL	=CLA	NDY LOAM AYEY SOIL D BBLESANDPEBE		PLETELYDECOMP	POSEDSOIL	INTERPRETATION					ERM

LOCATION	Sha I	Lo Tung Ro	bad		SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH31
LANDFORM	NEAI	R BY SHA	LO TUNG I	ROAD				DATE	11/07/20	06
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground S	urface	-								
	8cm	0	1	Brown			Top Soil		Nil	
	- 45cm	12 - 16 - 20 - 40 -	2	Yellow			Sandy Loam		Nil	
		60	3	Whitish Y	ellow		Completely Decomposed	l Soil	Nil	
		80	4	Withe			Decomposed Bed Rock		Nil	
LEGEND							INTERPRETATION			
=TOPS = GRAV	EL	=CLA	NDY LOAM NYEY SOIL D COMPOSED BED		PLETELYDECOMF	POSEDSOIL	IN I EKPRETATION			ERM

LOCATION	Sha	Sha Lo Tung Road			SITE	Sha	Lo Tung	AUGERH	OLE NO.	AH32	
LANDFORM	NEA	R BY SHA	LO TUNG I	ROAD				DATE	11/07/20	06	
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	. COLOUR		SOIL TEXTUR	RE	FIND	S REN	NARKS
Ground S	urface		-								
	6cm	0	1	Brown			Top Soil		Nil		
	40cm	12 - 16 - 20 -	2	Whitish Y	ellow		Completely Decomposed	I Soil	Nil	Wis	arse Sand I
	40cm	40								Gra	nas
LEGEND		240					INTERPRETATION				
=TOPS = GRAV	EL	=CLA	NDY LOAM AYEY SOIL ID COMPOSED BED		PLETELYDECOMF	POSEDSOIL	INTERFRETATION			EF	<b>S</b> M

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERHO	LE NO.	AH33
LANDFORM	NEA	R BY SHA	LO TUNG I	ROAD				DATE	11/07/20	)6
SOIL PRO	OFILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FIND	S REMARKS
Ground S ▼	urface	-								
		0 — 4 - 8 -	1	Dask Brov	wn		Sandy Soil		Non	e
	- 12cm - 69cm	12- 16- 20- 40- 60-		Yellow			Sandy Loam		Nor	e
		80	3	Light Red			Completely Decomposed	l Soil	Non	Occasional With Weathered Bed Rock Texture
	109cm	120	4	Light Yello	DW		Decomposed Bed Rock S	Soil	Non	e



LOCATION	Sha	Lo Tung Ro	bad		SITE	Sha	Lo Tung AUGER HOLE NO.			AH34
LANDFORM	NEA	R BY SHA	LO TUNG F	ROAD				DATE	11/07/200	06
SOIL PRC	FILE	DEPTH (CM)	STRATUM	SOIL	COLOUR		SOIL TEXTUR	RE	FINDS	S REMARKS
Ground S	urface									
		0 4	1	Brown			Topsoil Coarse Sand		Non	e
	- 12cm	12 16 20 — 40 —	2	Brownish	Yellow		Sandy Soil		Non	e
	- 113cm	60	3	Yellow			Sandy Loam		Non	e Occasional With some Weathered Bed Rock Texture
		140— 160—	4	Brown			Sandy Soil		Non	With some Weathered Bed Rock Texture
	174cm		5 6	Light Brov			Completely Decomposed Coarse Sandy Soil	l Soil	Non	Water
	183m	180 200 220 220								e Cable
LEGEND =TOPS = GRAV = SAND = SAND Q/0041332j3	EL	= CLA	NDYLOAM AYEY SOIL D COMPOSED BEDI		IPLETELY DECOMP	OSED SOIL	INTERPRETATION			ERM

LOCATION	Sha	Lo Tung Ro	oad		SITE	Sha	Lo Tung	AUGERHO	DLE NO.	AH35
LANDFORM	NEA	R BY SHA	LO TUNG I	ROAD				DATE	12/07/200	6
SOIL PRC	DFILE	DEPTH (CM)	STRATUM	SOIL	SOIL COLOUR SOIL TEXTU			RE	FINDS	REMARKS
Ground S	urface									
	15cm	4 - 8 - 12 -	1	Brown			Topsoil Soil		None	Filled Soil
		16 20	2	Brownish	Yellow		Decomposed Bed Rock		None	Filled Soil
		40 60 80 100 120 140 160	3	Yellow			Sandy Loam		None	Originial Soil
		180	4	Whitish Ye	ellow		Completely Decomposed	l Soil	None	Originial Soil
1. T. T. T.	188m									

			200				
LEGE	ND				INTERPRETATION		
<b></b>	=TOPSO = GRAVEI = SAND = SANDY	L		COMPLETELYDECOMPOSEDSOIL			ERM

Annex C

Stratigraphy of Test Pits



#### **Test Pit Record**

Location	Sha Lo Tung	Site Code	TP SLT06	Test Pit No.	TP1				
Test Pit Coordinate	837270.04 Northing	836841.73 Easting	Test Pit Measurement	1	<b>m x</b> 1.5 <b>m</b>				
Digging Method	Hand Digging	5	Ground Level	206.28 mPD	?D				
		Stratig	aphy and Finds						
Layer	Soil Texture	Soil Colour	Finds	Chronology					
L1 T	op soil	10YR 4/2 dark grayish brown	None						
L2 S	andy loam	7.5YR 6/8 reddish yellow	None						
L3 S	andy soil	5YR 6/8 reddish yellow	None						
	l Photography		Test Pit Wall						
Nil	South Wall S		TP1 South		TOP SOL     GOWEL     SAND     SANDY SOL     SANDTLOW     M.D     CORBLES NOT PEBBLES     COMPLETELY DECOMPOSED SOL				
Date	13 N	Mar 2006	Log by		Peggy Wong				



#### **Test Pit Record**

Location		Sha Lo Tung	5	Site Code	TP	SLT06	Test Pit No.	TI	P2				
Test Pit Coordinat	e	837292.95 Northing		836898.75 Easting		t Pit asurement	1	m	x	1.5	m		
Digging Method		Hand Diggi	ng		Gro	ound Level	188.88 <b>mPD</b>	)					
				Stratig	raph	y and Finds							
Layer	S	oil Texture	1	Soil Colour		Finds	5	Chronology					
L1	Тс	op soil		YR 5/2 ayish brown	N	one							
L2	Sa	ndy loam		ey 2 light uish gray	N	one							
L3	Sa	Sandy soil 10YR 8/4 very pale brown				one							
L4	Sandy soil Gley 2 5/1 bluish grey				N	one							
L5		bbles and bbles			N	one							
Represent Nil		Photograph Vestern Wal	1 Sec							TOP DOL GRAVEL SANDY SOL SANDY SOL CLANTY SOL COMPLETED Y DO COMPLETED Y DO	a.53 Serosz Ios. 		
Date		13	Ma	rch 2006	Log by				ever	n Ng			



							-	T ( <b>D'</b> (	T				
Location		Sha Lo Tung		Site Code		SLT06		Test Pit No.		TP3			
Test Pit		837207.27		836871.64		st Pit		1 <b>n</b>	n	x	1.5	m	
Coordinat	e	Northing		Easting	IVI	easurement	_						
Digging Method		Hand Diggin	g		G	ound Level		206.15 mI	<u>?</u> [	)			
				Stratig	ap	hy and Finds							
Layer	S	oil Texture	ç	Soil Colour		Find	ls			С	hron	ology	7
L1	Тс	op soil		YR 4/2 dark ayish brown	١	Jone							
L2	Sa	ndy soil		YR 6/8 ldish yellow	١	Jone							
L3	М	ud		R 6/8 reddish llow	١	Jone							
Test Pit W	all	Photograph	y			Test Pit Wall	D	rawing					
Represent		outhern Wall	l Sec	ction		L1 L2 L3 L3 L3	w the				TOP SOL GRAVEL SAND SAND SANDYLOAN COMPLETELT	D PERBLES DECOMPOSE 600	
Nil	ati	ve Anteracts											
Date	ate 13 March 2006				Log by				Peg	gy W	ong		



Location	S	ha Lo Tung	Site	Code	TP S	SLT06	Test No.	Pit		TP4	:		
Test Pit		37246.68	83685			t Pit		1	m	x	1.5	m	
Coordinat Digging		lorthing	Easti	ng		asurement							
Method	Н	land Digging			Gro	und Level	203.	97 m	PD				
				Stratig	raph	y and Finds							
Layer		Soil Texture			Soil	Colour		Find	ls		Chron	ology	
L1	Top	soil		7.5YR 5	5/3 br	own	Nor	ne					
L2	Sand	ly soil		7.5YR 6	5/1 gr	ey	Nor	ne					
L3	Sand	ly loam		7.5YR r	eddis	h yellow	Nor	ne					
L4	Mud			5YR 7/	6 red	dish yellow							
Test Pit W	all Pl	hotography				Test Pit Wall I	Drawi	ing					
Western Wall Section         SLTW         SLTW											+ TOP SOL + CRAVEL - CRAVEL - SAND - SANDY SOL - SANDY SOL - SONOV SOL - CONTROL - CONTROL	PEERLES DECOMPORED SOL 600m	
Represent	alive	Arteracts											
Nil													
Date	13 March 2005					Log by				Steven Ng			



Location	Sł	na Lo Tung	Site	Code	TP S	SLT06	Test Pit No.		TP5			
Test Pit		7302.15	83684		Test		1	m	x	1.5	m	
Coordinat Digging Method		orthing and Digging	East	ing		asurement und Level	201.236 n	nPD				
				Stratig	raphy	y and Finds						
Layer		Soil Texture			Soil	Colour	Finc	ls		Chron	ology	
L1	Top s	oil		10YR 4	/3 bro	own	None					
L2	Sandy	y soil		10YR 7	/8 yel	llow	None					
L3	Mud			7YR 6/	8 redo	dish yellow	None					
Test Pit W	all Ph	otography				Test Pit Wall	Drawing					
Represent         Nil						L1 L2 L3	them Wall			1709-904 = 084/05 = 04/07-506 = 04/07-506 = 04/07-506 = 04/07-574 = 04/04 = 0	ECOMPOSED SOIL DIRDCK	
Date	ate 14 March 2005					Log by	]			Peggy Wong		



				Test Pit	
Location	Sha Lo Tung	Site Code	TP SLT06	No.	TP6
Test Pit Coordinate	837372.14 Northing		Test Pit Measurement	1	<b>m x</b> 1.5 <b>m</b>
Digging					
Method	Hand Diggin	g	Ground Level	183.87 <b>mP</b>	D
		Stratigr	aphy and Finds		
Layer	Soil Texture	Soil Colour	Finds	5	Chronology
L1	ſop soil	2.5YR 4/1 dark grey	None, but a moderr	ı bullet	The 1960s to the 1990s
L2 5	Sandy soil	7.5YR 8/6 reddish yellow	None		
L3 5	Sandy loam	10YR 7/6 yellow	None		
L4 N	Mud	5YR 7/8 yellow	None		
	ll Photography Western Wall		Test Pit Wall	Drawing	
			a head stamp of RG		Sumption     Sumption
7.62mm self	-loading rifle b	oullet, made by Ro	yal Ordnance Factor g Kong Regiment fo	ory, Radway O	Green in 1978,
Date	14	March 2006	Log by		Steven Ng



Locatio	n	Sha Lo Tung	Site Code	TP SLT06		Test Pit	TP	7		
Test Pit		Road 836890.43	836796.34	Test Pit		No.				
Coordi		Northing	Easting	Measurement		1	m	x	1.5	m
Diggin Method		Hand Digging		Ground Level	-	179.59 <b>mPD</b>				
			Stratig	raphy and Find	ls					
Layer		Soil Texture	Soi	l Colour		Finds		Ch	irono	logy
L1	Top s	soil	5YR 6/3 li brown	ght reddish		e-and white celain bowl shar	ds		iddle Q vnasty	~
L2	Sand	y loam	7.5YR 7/6	reddish yellow	Nor	ne				
L3	Sand	y soil	7.5YR rede	dish yellow						
L4	Mud core s	occasion with reliestone	ct 7.5YR 8/6	reddish yellow	Nor	ne				
Represe	entati	ve Artefacts Bl	ue-and-white	e porcelain bow	000000	entern Wall	L1 L2 L2 L3 L4		P SOL. 0041. 1407 1508, 4407 1508, 504, 4407 1508, 504 4407 1508, 504 4407 1504 1504 1007 1007 1007 1007 1007 1007 1007 10	OMPORED BOR. ROCK
Date		15 Ma	rch 2006	Log by Ste				ven	Ng	



Location	Sha Lo Tung Road Site Code		le TI	PSLT06		Test Pit No.	TP8			
Test Pit Coordinate	836058.95 Northing	836985.85 Easting		est Pit leasureme	ent	1	m x	1.5	m	
Digging Method	Hand Digging	0		round Lev		61.01 <b>mPD</b>				
		Stra	atigrap	hy and Fi	nds					
Layer	Soil Textur	e	Soil	Colour		Finds	C	hronol	ogy	
L1	Гор soil		5YR vei grey	ry dark	None		Mo	Modern		
L2	Sandy loam		5YR rec yellow	ldish	None		Mo	Modern		
L3	Concrete sand and §	gravels 5	5YR 7/3	3 pink	None	ne N				
L4	Filled soil		7.5YR r yellow	eddish	None		Modern			
L5	Concrete sand and §	gravels			None		Mo	odern		
	Mud occasion with relict core stone Sandy loam occasion with			6/6 1 yellow	None		Mo	odern		
L6b		5YR 6/8 yellow	8 reddish	None						
	Southern Wall Se			LGa	THE S	Lb		- 139 808, - 9840(L) - 9840(L) - 9840(L) - 9840(L) - 9840(L) - 0840(L) - 084	OMPOSED SOL EDCK	
Date	15 March 2006			Log by				n Ng		



	Sha Lo Tung	7		Test Pit	
Location	Road	<sup>5</sup> Site Code	SLT06	No.	TP9
Test Pit	835867.98	836929.61	Test Pit	1	<b>m x</b> 1.5 <b>m</b>
Coordinate	Northing	Easting	Measurement		
Digging Method	Hand Diggin	ng	Ground Level	41.22 mPI	)
		Stratig	caphy and Finds		
Layer	Soil Texture	Soil Colour	Find	s	Chronology
L1	Top soil	10YR 5/6 yellow brown	None		
L2	Sandy loam	10YR 6/6 brownish yellow	None		
	11 101				
Test Pit Wa	ll Photograph	ıy	Test Pit Wall	Drawing	
	Southern Wa	ll Section			
Representa	tive Artefacts				- TOP BOL     - ORAVEL     - ORAVEL     - SAND     - SAND
Nil					
Date	16	5 March 2006	Log by	Peggy Wo	ong and Wong Fu



Location		Sha Lo Tung pad		Site Code	SLT	706	Test Pit No.	TP10			
Test Pit Coordinat		355553.97 Northing		836731.83 Easting		t Pit asurement	1	m x	1.5	m	
Digging Method		Hand Digging	g	Lusting		ound Level	7.57 mPD				
				Stratig	aph	y and Finds					
Layer	Soi	il Texture	5	Soil Colour		Find	s	Chr	onolog	gy	
L1	Тор	soil		YR 6/8 ownish yellow	N	one					
L2	Sand	dy soil	10)	YR 5/3 brown	No	one					
L3	Sand	dy loam		YR 7/8 ldish yellow	A	polishing stone a	ndze	Neolithic Age, Some 3800-4000 years ago			
L4	with relict core stones			R 6/8 reddish low	N	one					
Test Pit Wall Photography Southern Wall Section						Test Pit Wall	Drawing				
		SLT STPO ISS 2006				To id Examinuted	Sater Val		- 77.0024 - 0000 - 0	nas, p 20 store Gener	
Representative Artefacts A prehistoric ston											
Date	17 March 2006					Log by	Peggy Wong	and Ste	even N	g	



				Test Pit	
Location	Sha Lo Tung	Site Code	TP SLT06	No.	TP11
Test Pit Coordinate	833553.04		Test Pit Measurement	1	<b>m x</b> 1.5 <b>m</b>
Digging	Northing	0			
Method	Hand Digging		Ground Level	8.09 mPD	
		Stratigr	aphy and Finds		
Layer	Soil Texture	Soil Colour	Finds	5	Chronology
L1 T	-	5YR 6/3 dark light reddish brown	None		
L2 S	5	7.5YR 7/8 reddish yellow	A piece of crackled glaze pot ear	dark brown	Tang to Song Dynasties
Ċ	1 1	5YR 6/8 reddish yellow	None		
Test Pit Wa	ll Photography		Test Pit Wall	Drawing	
	Northern Wall	Section	Northern Section		- SAND - SANDY BOL - SANDY BOL - SANDY BOL - SANDY COAN - SANDY
Representat	ive Artefacts	A piece of crac	kled brown glaze p	ot ear, dated to	o Tang to Song
Dynasties				7 13	
Date	11 J	uly 2006	Log by		Steven Ng



		1			
Location	Sha Lo Tung	Site Code	TP SLT06	Test Pit No.	TP12
Test Pit	836773.85	835591.58	Test Pit	1	<b>m x</b> 1.5 <b>m</b>
Coordinate	Northing	Easting	Measurement		
Digging Method	Hand Digging		Ground Level	17.16 <b>mP</b> I	)
		Stratigr	aphy and Finds		
Layer S	Soil Texture	Soil Colour	Find	s	Chronology
L1 To	_	0YR 7/2 pale ed	None		
w de be	andy soil, 1 ith ecomposed ed rock xture	0YR 5/8 red	None		
	ecomposed r	5YR 7/8 light ed	None		
	ecomposed	0YR 7/6 yellow	None		
Test Pit Wall	l Photography		Test Pit Wall	Drawing	·
	and Northern		Northern Section	60cm	<ul> <li>■ TOP SOL</li> <li>■ GRAVEL</li> <li>■ SANDY SOL</li> <li>■ SANDY SOL</li> <li>■ SANDY SOL</li> <li>■ SANDY SOL</li> <li>■ CLAYEY SOL</li> <li>■ M.D</li> <li>■ COBBLES AND PEBBLES</li> <li>■ COMPLETELY DECOMPOSED SOL</li> <li>● WEATHERED BED ROCK</li> <li>■ CONCRETE SANDY SOL</li> <li>■ FILLED SOL</li> </ul>
Representati		Nil			
Date	12 Ju	ly 2006	Log by		Steven Ng



Level	ion Sha Lo Tung Site Code				TT			Test Pit	TT	10			
Location						SLT06		No.	TP:	13			
Test Pit Coordinate	e	836795.39 Northing		835615.44 Easting		t Pit asurement		1	m	x	1.5		m
Digging Method	-	Hand Digging	g	Luoting		ound Level		14.51 <b>mPD</b>					
				Stratigr	aph	y and Finds	5						
Layer	S	oil Texture		Soil Colour		F	ind	5	0	hr	onol	ogy	7
L1	Тс	op soil	5Y	R 5/1 gray	None								
L2	Sa	ndy soil		R 6/6 reddish llow	No	one							
L3	Sandy soil 2.5YR 6/6 reddish yellow			,	No	one							
L4	Sa	ndy soil		/R 7/8 reddish llow	No	one							
L5		ompletely ecomposed il	2.5 rec	6/6 light 1	No	one							
		m and Eastern				Eastern Soction		Southern Section	\$1000	1000	- TOP BOX,     - SHARE,     - SHARE,	8603990 303 19394	5 501-105
<b>Representative Artefacts</b> Nil													
Date	<i>ate</i> 12 July 2006				Log by			Ste	ver	n Ng			

Annex D

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# Land Survey Record

Page 1 \*\*\*\*\* \*\*\*\* \*\*\*\*\* ERN \*\*\*\*\*\* Date 20 MAR 06

F.T ]	len	ane	=	9.	5(	30	ſΡ	1	
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POINT	DESCRIPTIONS	EASTING	NORTHING	R.L.	PLACE SOURCE
TP01A					1 25.760
TP01B	FINAL	836842.740	837270.050	206.312	2 25,760
TP01C	FINAL	836841.728 835842.740 836842.861 836841.849 836898.745 836898.501 836897.640 836897.652 836871.639 836870.613 836870.613 836870.691 836871.630 836855.966 836855.966 836855.151	837268.545	206.312 206.341 206.322	3 25.760
TP01D	FINAL	836841.849	837268.448	206.322	4 25.760
TP02A	FINAL	836898.745	837292.950	188.878 188.895 188.901	5 25.760
TP02B	FINAL	836898,501	837291.489	188.895	6 25.760
TP02C	FINAL	836897.640	837291.612	188,901	7 25.760
TP02D	FINAL	836897.652	837293.029	188.900	8 25,760
TP03A	FINAL	836871.639	837207.271	206.150	9 25.760
TP03B	FINAL	836870.613	837207.269	206.188	10 25.760
TP03C	FINAL	836870.691	837208.773	205.942	11 25.760
TP03D	FINAL	836871.630	837208.754	205.930	12 25.760
TP04A	FINAL	836855.966	837246.681	203.969	13 25.760
TP04B	FINAL	836856.036	837248.162	203.985	14 25.760
PP04C	FINAL	836857.151	837248.175	203.825	15 25.760
TP04D	FINAL FINAL	836857.151 836857.020 836849.445 836850.402 836850.590 836849.671	837246.646	203.813	16 25.760
FP05A 🚈	FINAL	836849.445	837302.150	201.236	17 25.760
TP05B	FINAL	836850.402	837302.271	201.148	18 25.760
P05C	FINAL	836850.590	837301.019	201.346	19 25.760
FP05D	FINAL	836849.671	837300.821	201.470	20 25.760
FP06A			837372.143	183.966	21 25.760
PO6B	FINAL FINAL FINAL	836806.677	837372.182	183.995	22 25.760
PP06C	FINAL	836806.677 836806.712	837373.608	183.950	23 25.760
lb0ed	FINAL	836807.649	600000 C+0		24 25.760
PO7A	FINAL	836796.357	836890.430	179.591	25 25.760
PO7B	FINAL	836795.273	836890.438	179.163	26 25.760
P07C /	FINAL	836795.174	836891.364	179.203	27 25.760
P07D	FINAL	836796.306	836891.450	179.654	28 25.760
POSA	FINAL	836807.649 836796.357 836795.273 836795.174 836796.306 836985.851 836987.248 836987.597 836986.008 836929.610	836058.954	61.014	29 25.760
P08B	FINAL	836987.248	836059.264	61.007	30 25.760
2809C	FINAL	836987.597	836058.229	60.993	31 25.760
P08D	FINAL	836986.008	836057.824	60.964	32 25.760
P09A	FINAL	836929.610	835867.975	41.216	
PO9B	FINAL	836929.480	835866.486	41.205	34 25.760
PO9C	FINAL	836928 413	835866.494	41.200	35 25.760
PO9D	FINAL	836929.610 836929.480 836928.413 836928.595 836731.832 836733.344 836733.454 836731.784	835868.021	41.211	36 25.760
PIOA	FINAL	836731.832	835553.970	7.566	37 25.760
P10B	FINAL	836733.344	835553.864	8.010	38 25.760
PLOC	FINAL	836733.454	835552.929	7.974	39 25.760
P10D	FINAL	836731.784	835552.991	7.533	40 25,760

surveyed by SM YIA

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Checked by:

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Annex E

Response to Comments

#### RESPONSE TO COMMENTS Draft and Final Archaeological Impact Assessment Report on Buddhism Temple and Columbarium Complex and Sha Lo Tung Road Improvement Works, Tai Po.

Ref.	Department	Reference	Comments	ERM Response
1.	Antiquities & Monument Office, LCSD	( ) in LCS AM 42/3/5/1	A pre-historic artefact was discovered in TP10. A comprehensive assessment on the extent, quality and significance of the archaeological potential at the area as well as the impact of the proposed development on the archaeological potential should be conducted before recommending mitigation measures. Further investigation is required to ascertain the archaeological potential of the area.	A further field investigation of two to four test pits of 1m x 1.5m / 1m x 2m and few hand auger holes to be carried out in the area close to TP10 before recommending mitigation measures. The further investigation result will be presented in the <i>Final Report</i> . The further test pits and augering area will be showing on the map presents to AMO for comment and approval prior to a further field investigation commencement.
2.			Please try to provide documentary evidence for your explanation of the discovery of bullets at the proposed project area.	According to headstamp of a bullet " RG 84 L13A1", it is identified as a bullet of 7.62mm, used for self-loading rifle L13A1. The code "RG" is representing Royal Ordnance Factory, Radway Green , UK, "84" is representing manufacture year of 1984, "L13A1" refers the rifle model number. According to a former officer of Royal Hong Kong Regiment (RHKR), the self-loading rifle L13A1 was used by British Army and RHKR, they often took these rifles in their exercises in the area between Sho Lo Tung and Hok Tau before Hong Kong handover.
3.			The site code for this site is TPSLT2006. Please revise the site code used in your report'	The site code will be revised.
4.			In Figure 2.1, duplicated symbols were used for all test pits, please check.	The legend of test pits will be checked and amended.
5.			Please provide Hong Kong Grid Reference Number and scale for Figure. 2.2	The Grid Number and scale will be provided.
6.			Please provide a more detailed map showing the location of TP7 to TP10.	The detail map for TPs 7 to 10 to be provided.
7.			Reference should be given to the maps mentioned in Section 3.1 on Page 5	The map dated 1905, which in original scale of 1: 31,680, the map series number of GSGS 1393, <i>Tai Po</i> , published by War Department, UK. The copy of this map providing in Lands Department of Hong Kong SAR Government. The reference will be provided in the <i>Final Report</i> .
8.			Photo showing stone adze in Figure 4.2 on Page 11 is not clear. Please replace.	The photo will be replaced.
9.			Please provide some photos showing the environs or whole view of the project site.	Few photos showing whole view of proposed development site will be provided.

Ref.	Department	Reference	Comments	ERM Response
10.			Annex B, Auger Hole Soil Profile: it is found that the descriptions of soil texture and notations of soil profile for AH2, AH4, AH7, AH24, AH28 and AH30 did not match, please checked and rectify the mistakes.	The discrepancy will be checked and corrected.
11.			Annex C Stratigarphy of Test Pits: For all test pits, please state clearly whether the coordinate are referred to south-west corner.	Noted.
12.			Please check the notations of all test pit drawings as many of them did not match the description in the table " Stratigraphy and Finds"	The discrepancy will be checked and corrected.
13.			For all test pits photos, 3R size is suggested to that they can be clearly examined.	Noted.
14.			For all test pits drawing, 1:20 in scale is suggested so that they can be clearly examined.	All original test pit drawings are in scale of 1:20, the site records including such these original drawings will be handed over to AMO for examine, so that, the drawings in the neither <i>Draft Report</i> or <i>Final Report</i> are need not be printed in original size.
15.			For TP1, please provide the soil texture of L3	The L3 soil texture will be provided.
16.			For TP7 and TP8, please check whether the Test Pit Wall Drawing is Southern Wall or Northern Wall.	The direction of pit wall will be checked and corrected.
17.			For TP8, some texts are missing in L6a of table" Stratigarphy and Finds"	The missing will be provided.
18.			For TP8, L6a looks like an artificial feature. Please clarify	The L6a is weathered bed rock texture soil. L1 to L5 of this test pit are identified as road improvement filled material, consisting of concrete sand, concrete slabs and filled soil, whether L6a is identified as an artificial feature, it should be dated two or three decades ago during road construction.
19.			Typing errors are spotted in English Abstract, Page 1, Page 3, Page 10, page 11, Page 13, and A-1. Please check the entire report as well.	The spelling will be checked and whether any errors will be amended.
20.	Antiquities & Monument Office, LCSD	() in LCS AM 42/3/5/1	Page . I (a) please change "Tai Po District Land Office" to "Tai Po District Lands Office" in the first paragraph. (b) Please change the word "night' to "nine" in line 1 of the second paragraph. (c) plese delete the word "TP" in the line 2 of the last paragraph.	Noted and revised.
21.			Page II 9(a) Please check and revise the sentence"對比其他發現的釉層特點,十一號探方" in the third paragraph.	Noted and revised.
22.			Page 1 (a) please delete the word " and" at the end of line 2 of the first paragraph. (b) please change " Tai Po District land office" to "Tai Po District Lands Office' in the third paragraph.	Noted and revised.

Ref.	Department	Reference	Comments	ERM Response
23.			Page 3 (a) please change the word "equality " to "quality" in line 2 of the first paragraph.	Noted and revised.
24.			Page 4 (a) The site code of this survey is TPSLT2006, not TP SLT 2006, please revise. (b) The site code represents "Tai Po Sha Lo Tung", please revise.	Noted and revised.
25.			Page 9 (a) <i>figure 4.1</i> mentioned in the first paragraph is missing from the report. (b) <i>figure 4.2</i> mentioned in the fourth paragraph is missing from the report.	Noted. The figure 4.1 is put into the <i>Final Report</i> , figure 4.2 is revised as figure 4.1 in the fourth paragraph.
26.			Page 10 (a) please change " <i>see Figure 2.1, 2.2 &amp; 2.2</i> " to " see <i>Figure 2.1, 2.2 &amp; 2.3</i> ".	Noted and revised.
27.			Page 11(a)please revise the figure No. after inserting Figure 4.1 and 4.2 in the report. (b) please check the word "Quangdong, is it "Guangdong"? (c) please revise the tile 〈西貢沙下出土宋明陶 瓷的考古觀察〉to 〈西貢沙下遺址出土宋明陶瓷的考古觀察〉, please also revise the same in Page 15 and Page A-1.	Noted and revised. Quangdong is revised as "Guangdong".
28.			Page 13 (a) please revise the tile《香港大埔碗窯青花瓷窯址》 《香港大埔碗窯青花瓷窯址調查及研究》please also revise the same in page A-1	Noted and revised.
29.			Page 17 (a) please delete the world " near" in line 5 of the fourth paragraph.	Noted and revised.
30.			Annex B Auger Holes Soil Profile (a) it is found that the descriptions of soil texture and notations of soil profile for AH2, AH4, AH17, AH31, AH3 did not match, please check and rectify the mistakes. (b) please confirm the soil texture of AH33/Stratum 2, AH34/Stratum 3 and AH35/Stratum 3 as the legend is not match with soil texture description.	Noted, Annex B was revised.
31.			Annex C Stratigraphy of Test Pits (a) please check the notations of all test pit drawings as many of them did not match the description in the table " Stratigraphy and Find" . Please pay special attention to TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP10, TP11 and TP13. (b) page C-11, please change the word" Tong" to "Tang" in the description of representative artefacts. (c) please check the soil texture of TP8, L6a, it seems that a word is missing from the description.	Noted, Annex C was revised. "Tong" is revised as "Tang".
32.			Annex D Land Survey Record (a) it is noted that the coordinate of four (A to D) of each test pit have been recorded. It would be much better if you could confirm which corner refers to the south-west corner of the test pit.	Each test pit set up on the ground were vary according to micro- landscape rather then follow the axis of NS or axis of ES, thus, in fact, it is no corners can absolutely defined a south-west corner.