

Our Ref: 33120

**VARIOUS LOTS IN DD185, SHEUNG WO CHE NO. 198**

**SAI LAM TEMPLE, SHATIN, NEW TERRITORIES**

**GEOTECHNICAL PLANNING REVIEW REPORT  
(AMENDMENT 1)**

**APRIL 2025**

Prepared by



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Registered Geotechnical Engineer  
RGE 12/05

**TABLE OF CONTENTS**

## **TABLE OF CONTENTS**

**R to C**

<b><u>SECTION</u></b>	<b><u>PAGE NO.</u></b>
<b>1. INTRODUCTION .....</b>	<b>1</b>
<b>2. SITE DESCRIPTION .....</b>	<b>1</b>
2.1. GENERAL .....	1
2.2. SUBJECT SITE GEOLOGY .....	1
2.2.1. Geological Map .....	1
2.2.2. Geotechnical Area Studies Programme (GASP) .....	2
2.2.3. Natural Terrain Hazards.....	2
2.2.4. Previous Ground Investigation Records .....	2
2.3. ADJOINING STRUCTURES .....	3
2.4. ADJOINING GEOTECHNICAL FEATURES .....	3
<b>3. PROPOSED WORKS FOR SITE .....</b>	<b>3</b>
<b>4. EFFECT ON ADJACENT GROUND .....</b>	<b>4</b>
<b>5. CONCLUSIONS AND RECOMMENDATIONS.....</b>	<b>4</b>

## **APPENDICES**

APPENDIX A	APPLICATION SITE (THIS ADMENDMENT)
	APPLICATION SITE (OCTOBER 2020 SUBMISSION)
APPENDIX B	SITE LOCATION PLAN AND GENERAL VIEWS
APPENDIX C	GEOLOGICAL MAP AND GASP
APPENDIX D	SLOPE INFORMATION SYSTEM (SIS) RECORDS



## **1 INTRODUCTION**

- 1.1 The Site Sai Lam Temple is at Lot No. 63, 296 (part), 331 RP (part) & 393 RP (part) in DD185, Sheung Wo Che no. 198, Sai Lam Temple, Shatin, New Territories Section 12A was made by Toco Planning Consultants Ltd to apply for regularization of the existing columbarium at the Site. An application to Town Planning Board is thus necessary. Under Town Planning Ordinance (CAP. 131), the applicant should submit a Geotechnical Planning Review Report (GPRR) with the planning application.

A Geotechnical Planning Review Report (GPRR) for the Site was submitted in October 2020. Subsequent comment to the Application was offered by CEDD (GEO). This is an Amendment Report presents latest site application layout and Response to Comments(R to C).

- 1.2 The area of the Application Site is actually reduced to Lot 63 and Lot 296 (Part) only as shown in Appendix A. The application site entailed in previous report is also attached in Appendix A for easy comparison.
- 1.3 All basic site geology information geotechnical contents of the Report based on 2020 version is still valid, comments by CEDD on the aforementioned Report is still valid. (R to C refers)
- 1.4 The number of registered geotechnical features are reduced to three registered features within the Application site.

## **2 SITE DESCRIPTION**

### **2.1 GENERAL**

The Site is currently occupied by existing building blocks A to E. General views of the existing conditions of the Site are attached in Appendix B for easy reference, together with a Site Location Plan.

### **2.2 SUBJECT SITE GEOLOGY**

To reveal the geological information for the Site, the following information was reviewed and attached:

- 1:20,0000 – scale geological map;

- Geotechnical Area Studies Programme (GASP);
- Enhanced Natural Terrain Landslide Inventory (ENTLI);
- Existing Borehole Records

#### 2.2.1 Geological Map

Based on the 1:20,000 scale Hong Kong Geological Survey Map for Shatin (Sheet No.: 5 HKGS – 2008 Edition), the Site is inferred to be underlain by solid geology Porphyritic medium and fine grain Granodiorite, Lamma Suite.

#### 2.2.2 Geotechnical Area Studies Programme (GASP)

According to Geotechnical Area Studies Programme (GASP), Geotechnical Land Use Map Central New Territories GASP/20/II/1(2<sup>nd</sup> Ed), the Site is classified as Class II with Moderate Geotechnical limitations. The Physical Constraints Map North New Territories Map No. GASP/20/II/6 (2<sup>nd</sup> Ed) indicate the Site generally has no physical constraints. Generalised Limitations and Engineering Appraisal Map No. GASP/20/II/15 (2<sup>nd</sup> Ed) indicate the Site has no major concern.

Extracts of relevant GASP Maps are shown in **Appendix C** respectively.

#### 2.2.3 Natural Terrain Hazards

There is no natural terrain present in the vicinity of the application site.

#### 2.2.4 Previous Ground Investigation Records

No near ground investigation records could be found.

### 2.3 ADJOINING STRUCTURES

The nearby structures are squatters of Pai Tau Hang Hong Village located to the Site North. As the Site do not require any site formation, ELS and foundation works as such. These low rise structures will not affect adversely affect or be affected by Sai Lam Temple.

There are no other development nearby.

## 2.4 ADJOINING GEOTECHNICAL FEATURES

There are altogether 3 numbers of registered geotechnical features maintain by the lot owners. It should be noted that 7SW-B/CR362(1) is excluded outside the zoning application site under this application.

Feature		Responsibilities lot / boundary	Remarks
1.	7SW-B/CR362(1)	DD185 Lot 296	-
2.	7SW-B/R102	DD185 Lot 296	-
3.	7SW-B/R96	DD185 Lot 296	-

All relevant registered slope information are attached in Appendix D.

Based on current desk study's findings, all the above 3 Features maintained by the Lot Owners has no record of Engineer Inspection been carried out. There are relevant documents to some Features that Stage Studies and LPM Studies have been carried out under Government contract, the current status of such Features understudy have not been fully established at this stage. Hence, further studies to all three Features including further ground investigation works to established each individual Factor of Safety is upto current Government safety standard is required. Based on GI findings, all slope stabilities shall be established and if found necessary to upgrade the Features upto current standard. All the above geotechnical works are required to be submitted to Buildings Department for approval.

## 3. PROPOSED WORKS FOR SITE

All existing structures on the Site do not require any further construction works. Hence, no site formation nor foundation work would be required.

## 4. EFFECT ON ADJACENT GROUND

The Site will required detail checking to all relevant Registered Slope Features to ensure each individual stability. Upgrade these as found necessary to ensure these Features will not adversely affect or be affected by the existing building Blocks within the application site. Although 7SW-B/CR362(1) lies outside the zoning plan, this Feature is maintained by the subject lot owners, in view of its close proximity, it is recommend include into further study.

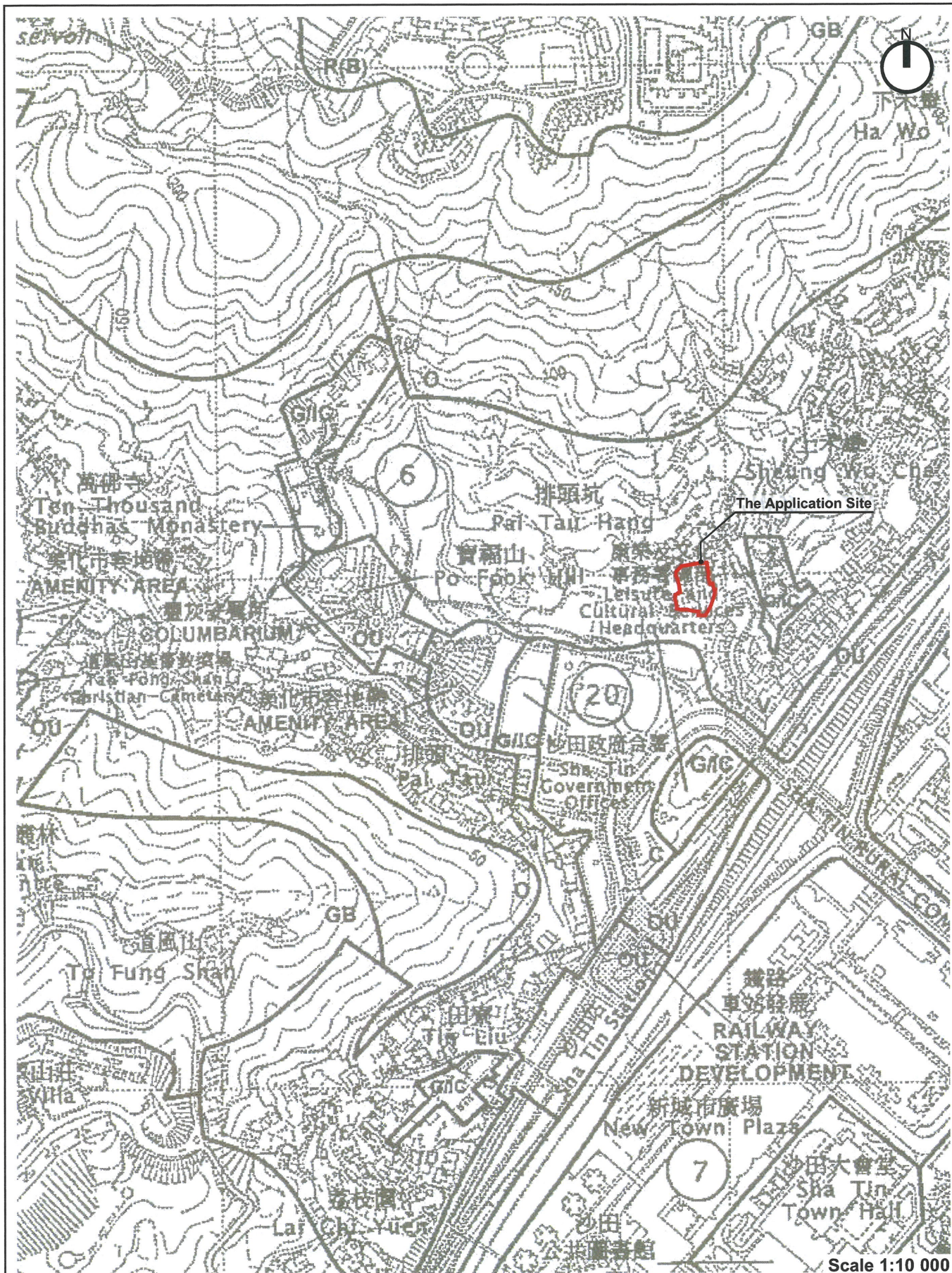
## **5. CONCLUSIONS AND RECOMMENDATIONS**

No further geotechnical works we envisaged to the existing building blocks. However, there are although 3 Registered Features responsible by Sai Lam Temple. Further studies to these Features are required, if found necessary to carry out slope upgrading works. All proposed works shall be submitted to Buildings Department for approval.

## **APPENDIX A**

### **APPLICATION SITE (THIS ADMENDMENT)**





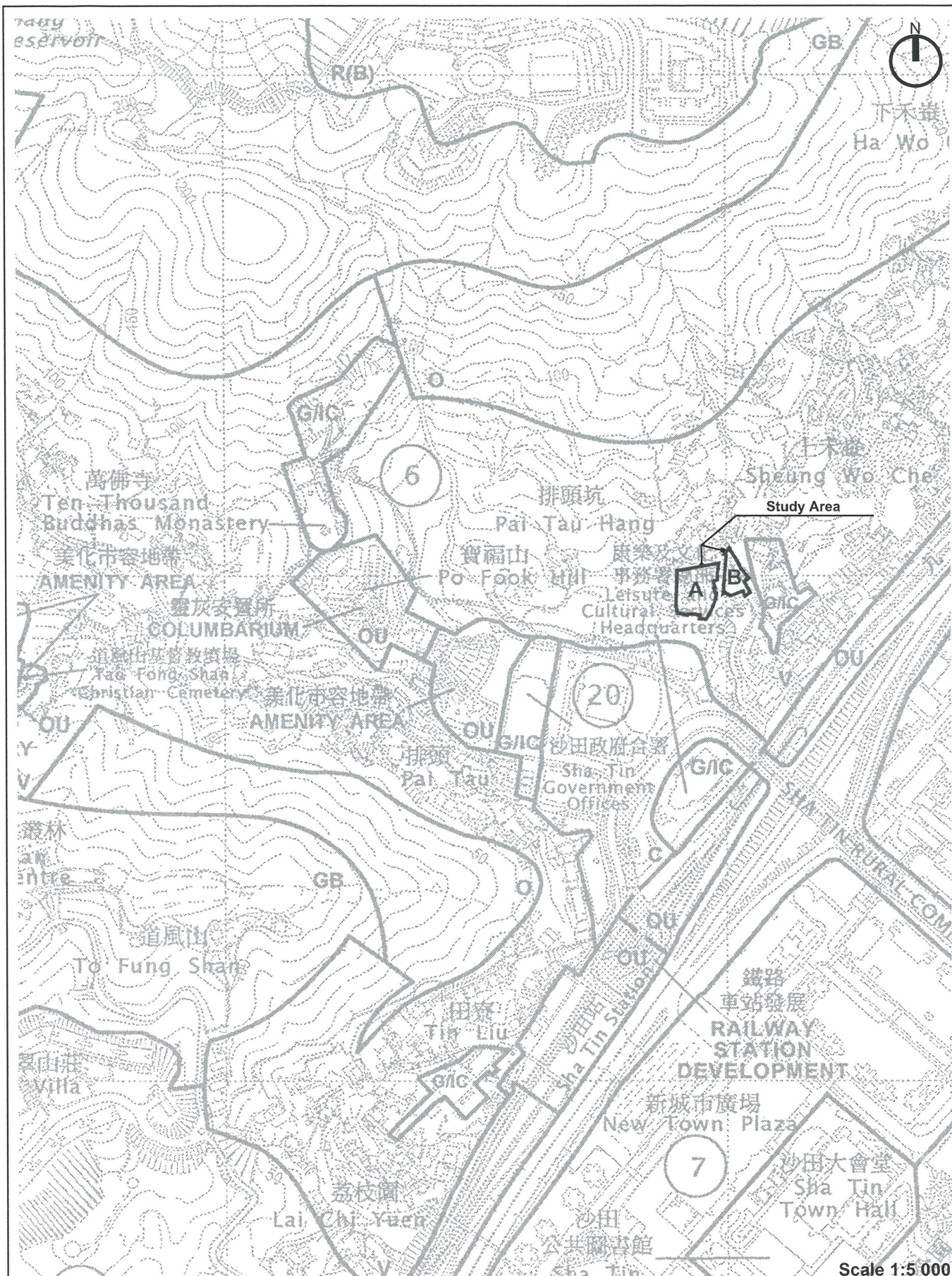
## Plan A: Zoning and Location Plan

Extract of Approved Sha Tin Outline Zoning Plan No. S/ST/38



## **APPENDIX A**

### **APPLICATION SITE (OCTOBER 2020 SUBMISSION)**



Plan A: Zoning and Location Plan (PREVIOUS)  
Extract of Draft Sha Tin Outline Zoning Plan No. S/ST/35



## **APPENDIX B**

### **SITE LOCATION PLAN AND GENERAL VIEWS**

骨灰安置所大樓+4	
位置	非骨灰安置所用途設施 (非牌照申請範圍)
用途	園神像堂
地下層 (G/F)	祭禮堂 祭禮室 祭禮室
一層 (1/F)	祭禮室
二層 (2/F)	園神像堂

骨灰安置所大樓+3	
位置	非骨灰安置所用途設施 (非牌照申請範圍)
用途	祭禮室
地下層 (G/F)	祭禮室
一層 (1/F)	祭禮室

骨灰安置所大樓+2	
位置	非骨灰安置所用途設施 (非牌照申請範圍)
用途	園神像堂
地下層 (G/F)	祭禮室
一層 (1/F)	祭禮室

非骨灰安置所大樓+1	
位置	非骨灰安置所用途設施 (非牌照申請範圍)
用途	園神像堂
地下層 (G/F)	祭禮室



圖例	
——	地段界線—丈量約份第185約地段第63號及296號部份
——	場地界線
——	可修築建築物 (符合《非牌照申請範圍》附表2 第3(1)(b)條規定)
——	場地外斜坡1
——	場地外斜坡2
——	場地外斜坡3
——	告示1
——	港關於骨灰安置所用牌照申請時間保持開放

\* 場地外骨灰安置所的所有牌照申請時間保持開放  
\* 所有骨灰安置所用牌照申請時間須由同一申請人進行管理及控制

## 建議布局圖

圖則編號:02

比例 1:400

骨灰安置所名稱: 西林寺

地址: 新界沙田上禾輦198號

(丈量約份第185約地段第63號及296號部份)

20/06/2024

日期 (日/月/年)

獲授權人士姓名及簽署

香港身分證號碼

鍾美卿

20/06/2024

日期 (日/月/年)

魯文超

認可人士/註冊結構工程師/簽署者姓名  
(認可人士/註冊結構工程師指根據《建築物條例》(第123章) 第3條註冊的人士)

AP(E) 48/89 & RSE 48/89

註冊編號#:

31/12/2025

註冊有效期間滿日期#:

Plan G: Master Layout Plan







Photo 1: Main Entrance of Sai Lam Temple



Photo 2: Pedestrian Access and Gathering Area



Photo 3: Building A (Worshipping Area)



Photo 4: Worshipping Area in Building A



Photo 5: Building B



Photo 6: Worship Hall on 1/F of Building E



Photo 7: Columbarium Halls on 1/F of Building E



Photo 8: Building C



## Site Photos (1): Site Condition





Photo 9: Building D



Photo 10: Building E



Photo 11: Columbarium Hall on G/F of Building E (Previously Named '龍華堂')



Photo 12: Shop



Photo 13: Management Office



Photo 14: Temple Adjoining the Application Site (三元宮)



Photo 15: Bus Terminus near the Site



Photo 16: Sha Tin Railway Station near the Site



## Site Photos (2): Site and Adjacent Land Uses

## **APPENDIX C**

### **GEOLOGICAL MAP AND GASP**



# HONG KONG GEOLOGICAL SURVEY

香港地質調查

## SHA TIN 沙田

Sheet 7 編號

SOLID AND SUPERFICIAL GEOLOGY 基岩和表土地質圖

Series HGM20 組別

Scale 1:20 000 比例

### SUPERFICIAL DEPOSITS 地表沉積

GENETIC CLASSIFICATION	成因類型	主要物質成份	PRINCIPAL MATERIALS
Fill; sanitary fill (Qfs)	填土	填土和廢物	Natural earth and waste
Marine sand	海相砂	含貝殼砂	Sand, shelly
Marine mud	海相泥	含貝殼粘土 / 粉砂	Clay/silt, shelly
Estuarine mud and sand	河口灣泥砂	粘土 / 粉砂和砂	Clay/silt and sand
Alluvium	沖積物	分選性良好至中等的粘土、粉砂、砂和礫石	Clay/silt, sand and gravel, well-sorted to semi-sorted
Debris flow deposits	碎塊、泥漿物	未分選的砂、礫石、泥漿	Unsorted sand, gravel, cobbles and boulders; clay/silt matrix
Talus (rockfall) deposits	岩屑(岩崩)堆積物	高角質粘土 / 粉砂	Gravel, cobbles and boulders; sparse finer-grained matrix
Mixed debris flow and talus deposits	碎塊、泥漿物	Qd 和 Qi 的混合物	Mixed Qd and Qi
Slide deposits	滑塌堆積物	基岩和母土物質	Materials of the regolith and bedrock

### SOLID GEOLOGY 基岩地質

#### SEDIMENTARY AND VOLCANIC ROCKS 沉積岩和火山岩

NAMED ROCK DIVISIONS		地層單位名稱	主要岩石類型 / 特徵		PRINCIPAL ROCK TYPES/CHARACTERS			
中生界 MESOZOIC	上陸地殼 UPPER JURASSIC	汲水灣群 REPULSE BAY VOLCANIC GROUP	Tai Mo Shan Formation, undivided	大帽山組 (未分)	JTM	晶岩由晶岩凝灰岩	Crystal tuff, with biotite	
			Ap Lei Chau Formation, undivided	鴨脷洲組 (未分)	JAC	具火成體的硬質凝灰岩	Vitic tuff, with fiamme	
			Shing Mun Formation, undivided	沙門組 (未分)	JSM	晶岩和凝灰岩、凝灰角礫岩和厚層凝灰岩	Crystal and lithic tuff, tuff-breccia and tuffite	
			Yim Tin Tsai Formation, undivided	銀田仔組 (未分)	JYT	角閃石晶岩凝灰岩	Crystal tuff, with hornblende	
			汲水灣群					
中生界 MESOZOIC	上陸地殼 UPPER JURASSIC	汲水灣群 REPULSE BAY VOLCANIC GROUP			jt	未分凝灰岩和厚層凝灰岩	Undifferentiated tuff and tuffite	
					bt	含火山塊岩凝灰岩和厚層凝灰岩	Block-bearing tuff and tuffite	
						安山質熔岩	Andesite lava	
					s	砂岩	Sandstone	
					sl	粉砂岩和泥岩	Siltstone and mudstone	
				br	沉積角礫岩	Sedimentary breccia		
中生界 MESOZOIC	上陸地殼 UPPER JURASSIC	汲水灣群 REPULSE BAY VOLCANIC GROUP			JTC	泥岩和粉砂岩	Mudstone and siltstone	
			Tolo Channel Formation	赤門海峽組				

#### MAJOR INTRUSIVE IGNEOUS ROCKS 主要侵入火成岩

Inequigranular texture	不等粒結構	gt	細粒花崗岩, <2 毫米	Fine-grained granite, <2mm
		gm	中粒花崗岩, 2-6 毫米	Medium-grained granite, 2-6mm
		gc	粗粒花崗岩, >6 毫米	Coarse-grained granite, >6mm
		mq	石英二長岩	Quartz monzonite
		gd	花崗閃長岩	Granodiorite

#### MINOR INTRUSIVE IGNEOUS ROCKS 次要侵入火成岩 (脈岩)

	輝綠岩	Basalt
	石英斑岩	Quartzphyric rhyolite
	長石斑岩	Feldsparphyric rhyolite
	石英二長斑岩	Quartz latite

#### METAMORPHIC ROCKS 變質岩

Thermally altered rock	熱變質岩	角閃岩	Hornfels
------------------------	------	-----	----------

#### ROCK TYPES/CHARACTERS

Undivided, mainly aegidactrite and rhyolite lava
Undifferentiated tuff
tuffite
Rhyolite lava
Volcanic breccia
Mudstone and siltstone
Shale, siltstone and sandstone
Marble and interbedded marble and siltstone
Sandstone and siltstone
Fine-grained granite, <2mm
Medium-grained granite, 2-6 mm
Quartzphyric rhyolite
Hornfels



中生代 MESOZOIC	上侏羅統 UPPER JURASSIC	Yim Tin Tsai Formation, undivided 鴨田仔組 (未分)	JTY	角礫岩和層狀灰岩 角閃石晶屑凝灰岩	Crystal tuff, with hornblende
			t	未分層灰岩和層狀灰岩	Undifferentiated tuff and tuffite
			bt	含火山燭石灰岩和層狀灰岩	Block-bearing tuff and tuffite
			s	安山質熔岩	Andesite lava
			sl	砂岩	Sandstone
			br	粉砂岩和泥岩	Siltstone and mudstone
中生代 MESOZOIC	下侏羅統 LOWER JURASSIC	Tolo Channel Formation 澳門海組	JTC	泥岩和粉砂岩	Mudstone and siltstone
			PTH	泥岩、粉砂岩和砂岩	Mudstone, siltstone and sandstone
			s	砂岩	Sandstone
			DBH	砂岩和粉砂岩	Sandstone and siltstone

中生代 MESOZOIC	中生代 PALAEOZOIC	二疊系 PERMIAN	Tolo Harbour Formation, undivided 大埔海組 (未分)	PTH	泥岩、粉砂岩和砂岩	Mudstone, siltstone and sandstone
				s	砂岩	Sandstone
中生代 MESOZOIC	中生代 PALAEOZOIC	泥盆系 DEVONIAN	Bluff Head Formation 黃竹角組	DBH	砂岩和粉砂岩	Sandstone and siltstone

### MAJOR INTRUSIVE IGNEOUS ROCKS 主要侵入火成岩

中生代 MESOZOIC	中生代 PALAEOZOIC	侏羅-白堊紀 JURASSIC-CRETACEOUS	Inequigranular texture 不等粒結構	gt	細粒花崗岩, <2毫米	Fine-grained granite, <2mm
				gm	中粒花崗岩, 2-6毫米	Medium-grained granite, 2-6mm
				gc	粗粒花崗岩, >6毫米	Coarse-grained granite, >6mm
				mq	石英二長岩	Quartz monzonite
				grt	花崗閃長岩	Granodiorite

### MINOR INTRUSIVE IGNEOUS ROCKS 次要侵入火成岩 (脈岩)

中生代 MESOZOIC	中生代 PALAEOZOIC	侏羅-白堊紀 JURASSIC-CRETACEOUS	TERTIARY 第三紀	b	輝綠岩	Basalt
				rq	石英斑岩	Quartzphyric rhyolite
				rf	長石斑岩	Feldsparphyric rhyolite
				iq	石英二長斑岩	Quartz latite

### METAMORPHIC ROCKS 變質岩

Thermally altered rock around granitic intrusions 圍繞花崗岩體的熱力變質岩石	m	角閃岩	Hornfels
	at	變質灰岩和沉積岩	Altered tuff and sedimentary rock

White wave ornament indicates water cover 白色波紋表示受水覆蓋

### GEOLOGICAL LINES 地質界綫

Geological boundary, superficial deposit 地表沉積地質界綫	-----	地表沉積地質界綫
Fill boundary 填土界綫	-----	填土界綫
Geological boundary, solid rock 基岩地質界綫	-----	基岩地質界綫
Fault (crossmark indicates downthrow side) 斷裂 (短劃指向下降盤)	-----	斷裂 (短劃指向下降盤)
Mineral vein 礦脈	-----	礦脈
Photogeological lineament 航攝地質綫性影像	-----	航攝地質綫性影像

Broken lines on map face denote uncertainty \* 圖內虛綫表示推測界綫

### STRUCTURAL SYMBOLS 構造符號

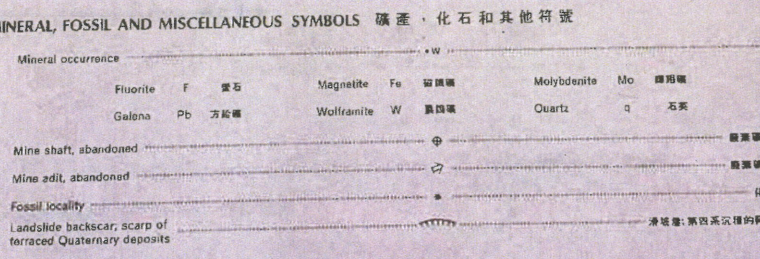
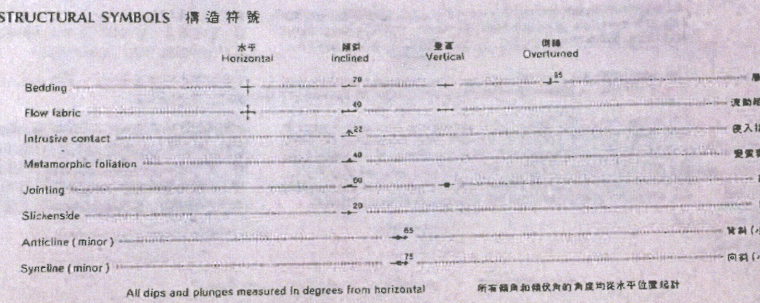
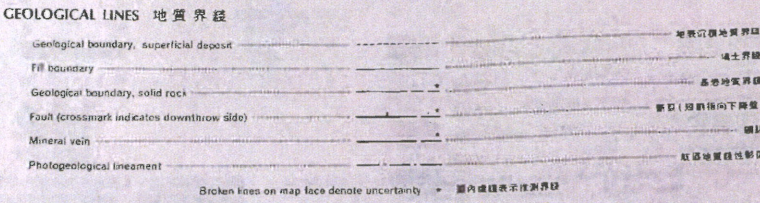
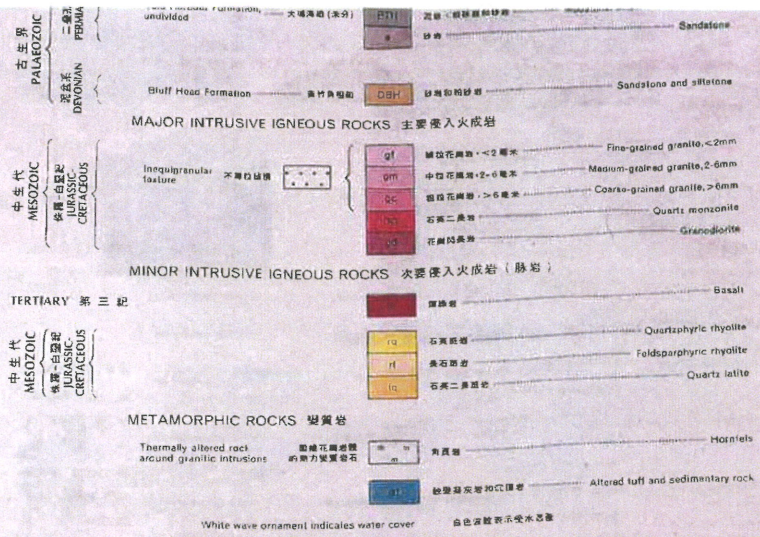
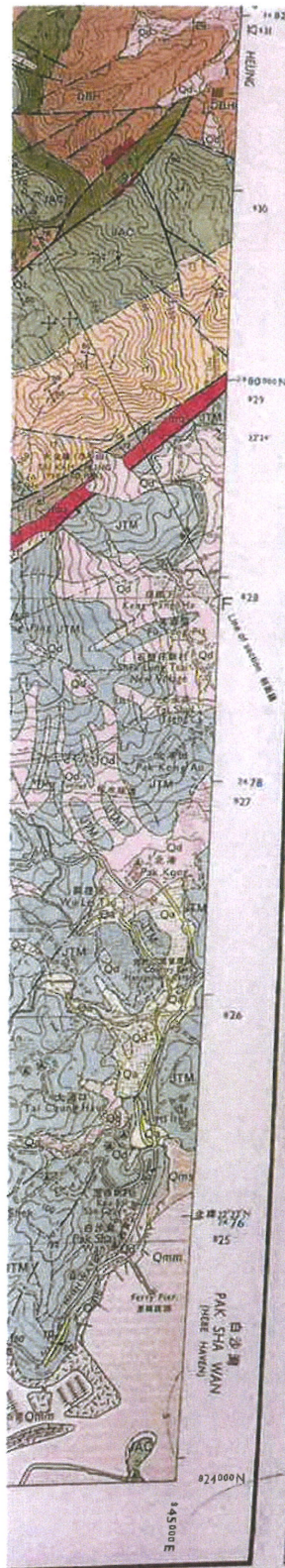
	水平 Horizontal	傾斜 Inclined	垂直 Vertical	倒轉 Overturned	
Bedding 層理	+	20	85	85	層理
Flow fabric 流動結構	+	40			流動結構
Intrusive contact 侵入接觸	+	22			侵入接觸
Metamorphic foliation 變質葉理	+	40			變質葉理
Jointing 節理	+	60			節理
Slickenside 擦痕	+	20			擦痕
Anticline (minor) 背斜 (小型)	+	85			背斜 (小型)
Syncline (minor) 向斜 (小型)	+	75			向斜 (小型)

All dips and plunges measured in degrees from horizontal

所有傾角和傾伏角的角度均從水平位置起計

### MINERAL, FOSSIL AND MISCELLANEOUS SYMBOLS 礦產、化石和其他符號





Geological survey by R. Addison (British Geological Survey) in 1983-1984 under a consultancy agreement between the Government of Hong Kong and the Natural Environment Research Council, United Kingdom. Offshore geology by R. J. Purser (Geotechnical Control Office). Base map and cartography by Survey and Mapping Office, Buildings and Lands Department, Hong Kong. Published by the Geotechnical Control Office, Civil Engineering Services Department, Hong Kong. © Hong Kong Government 1986

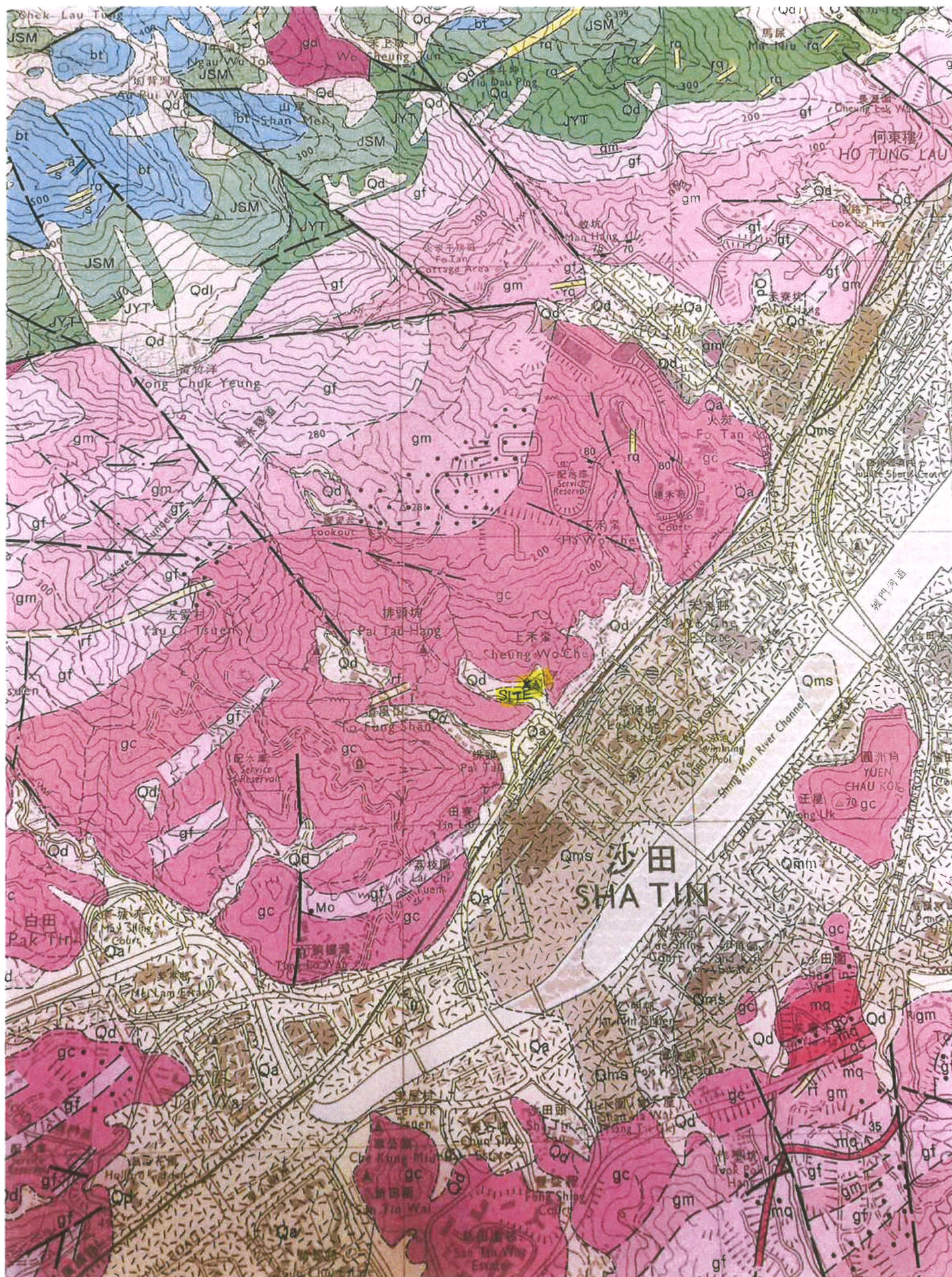
根據1983-1984年香港政府與英國自然環境研究學院顧問協議由英國地質調查局 R. J. 珀澤負責。離岸地質由土力工程處 R. J. 珀澤負責。地形地圖及製圖由香港屋宇地政署測繪處負責。香港土木工程師學會土力工程處出版。

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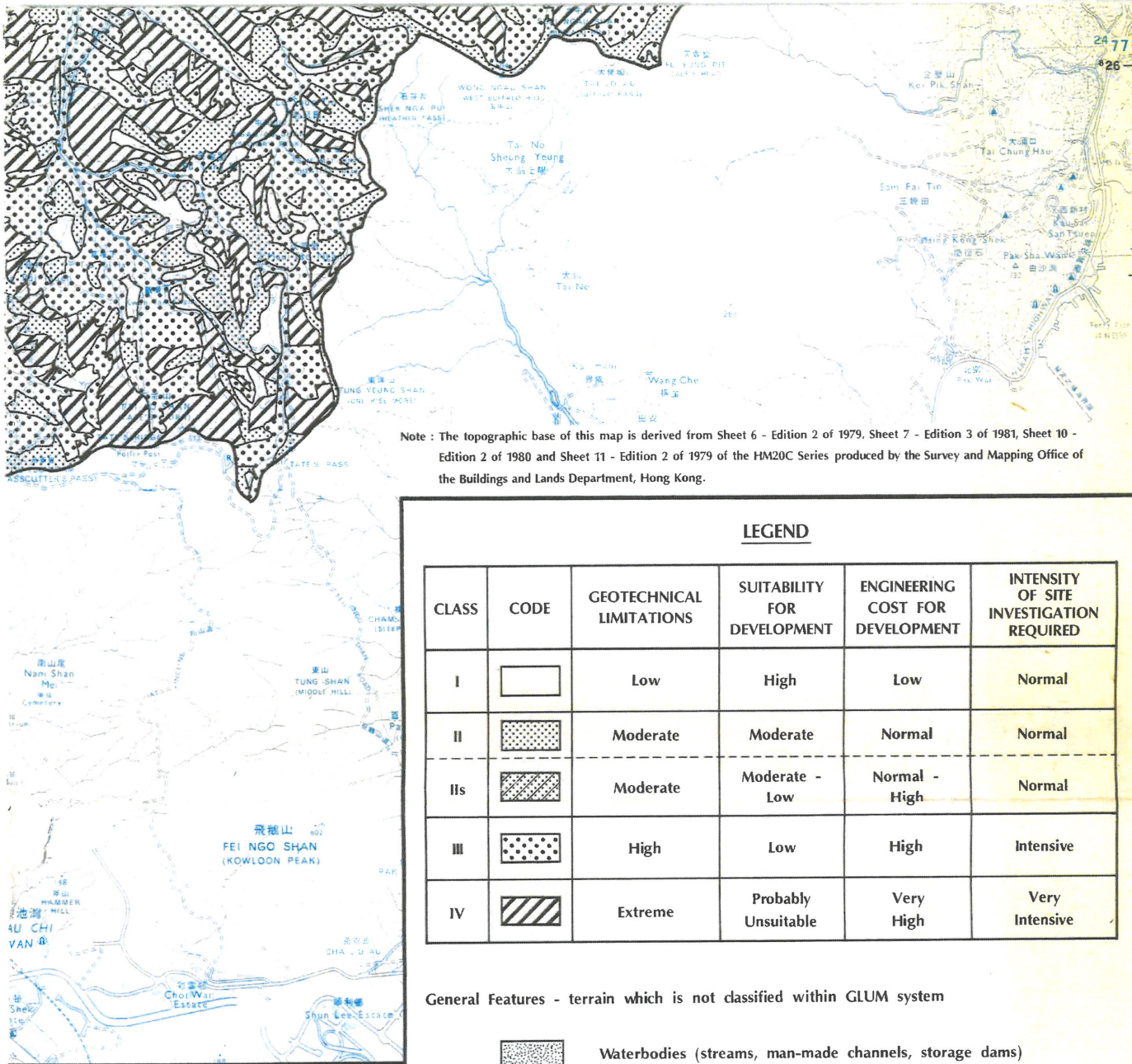


Sheet 7 編號









Note : The topographic base of this map is derived from Sheet 6 - Edition 2 of 1979, Sheet 7 - Edition 3 of 1981, Sheet 10 - Edition 2 of 1980 and Sheet 11 - Edition 2 of 1979 of the HM20C Series produced by the Survey and Mapping Office of the Buildings and Lands Department, Hong Kong.

### LEGEND

CLASS	CODE	GEOTECHNICAL LIMITATIONS	SUITABILITY FOR DEVELOPMENT	ENGINEERING COST FOR DEVELOPMENT	INTENSITY OF SITE INVESTIGATION REQUIRED
I		Low	High	Low	Normal
II		Moderate	Moderate	Normal	Normal
IIs		Moderate	Moderate - Low	Normal - High	Normal
III		High	Low	High	Intensive
IV		Extreme	Probably Unsuitable	Very High	Very Intensive

General Features - terrain which is not classified within GLUM system



Waterbodies (streams, man-made channels, storage dams)



Ponds



Littoral zone (generally subject to tidal action)

#### NOTES TO USERS

The Geotechnical Land Use Map (GLUM) should be used only to the general level of geotechnical limitation of the terrain for planning purposes. It is produced at a scale of 1:20 000 and should be used to evaluate parcels of land smaller than 3 ha in size.

This Map must never be interpreted, reproduced or enlarged at a scale larger than 1:20 000 (i.e. scales of 1:10 000, 1:5 000 or larger). Heed this warning may result in serious misinterpretation of the data.

Please consult the Central New Territories Geotechnical Area Programme Report (GASP II) which discusses in detail the purpose, use and limitations of this Map.

2477

Universal Transverse Mercator (UTM) Grid Reference

830

Hong Kong Metric Grid Reference

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Title: GEOTECHNICAL LAND USE MAP - CENTRAL NEW TERRITORIES

Compiled: R. Purser / A. Hansen

Drawn: S. W. Lam

Scale: 1:20 000

Date: Original January, 1984  
2nd Edition July, 1987

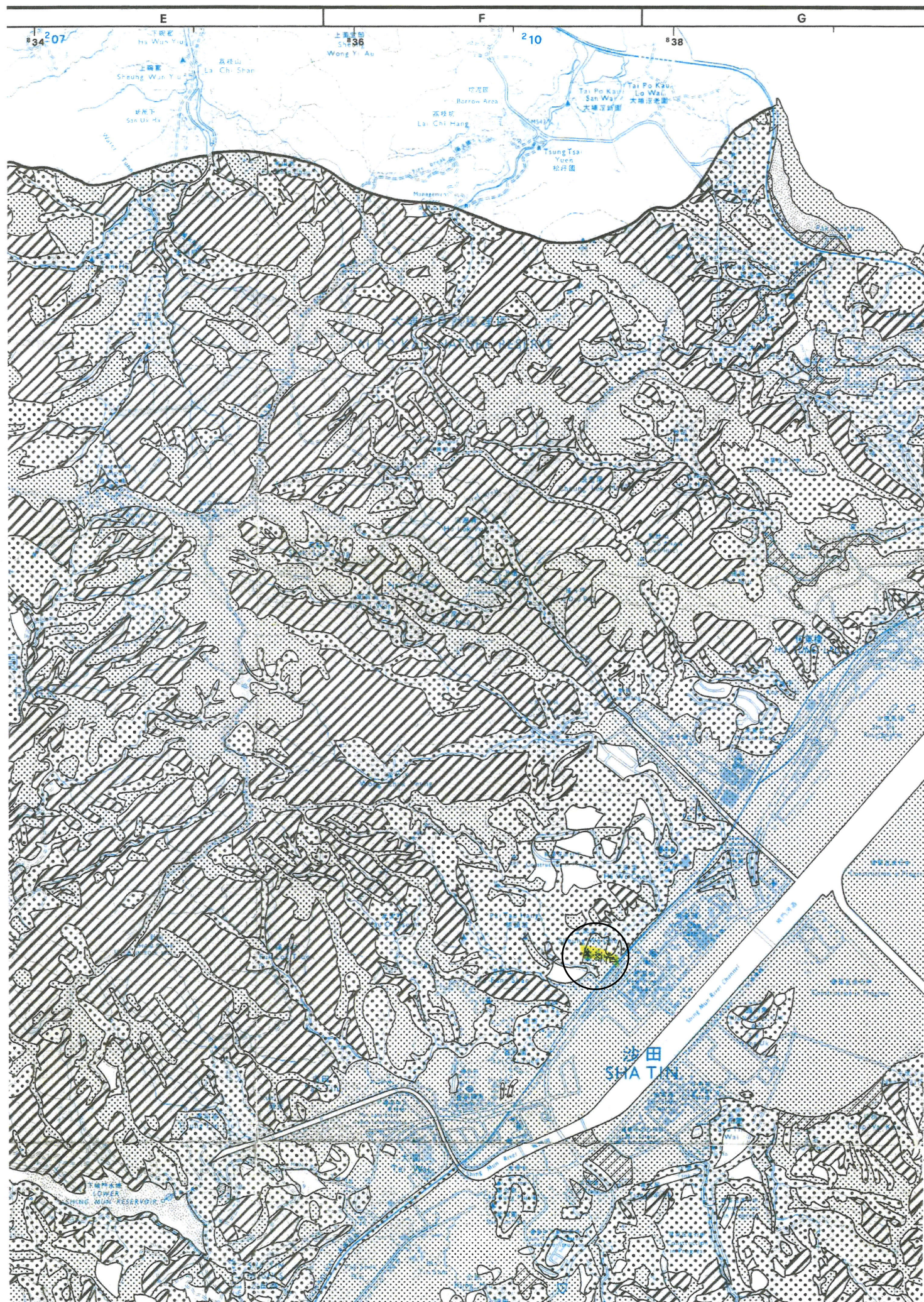
Map Ref. No: GASP / 20 / II / 1 2nd Edition

Sheet:

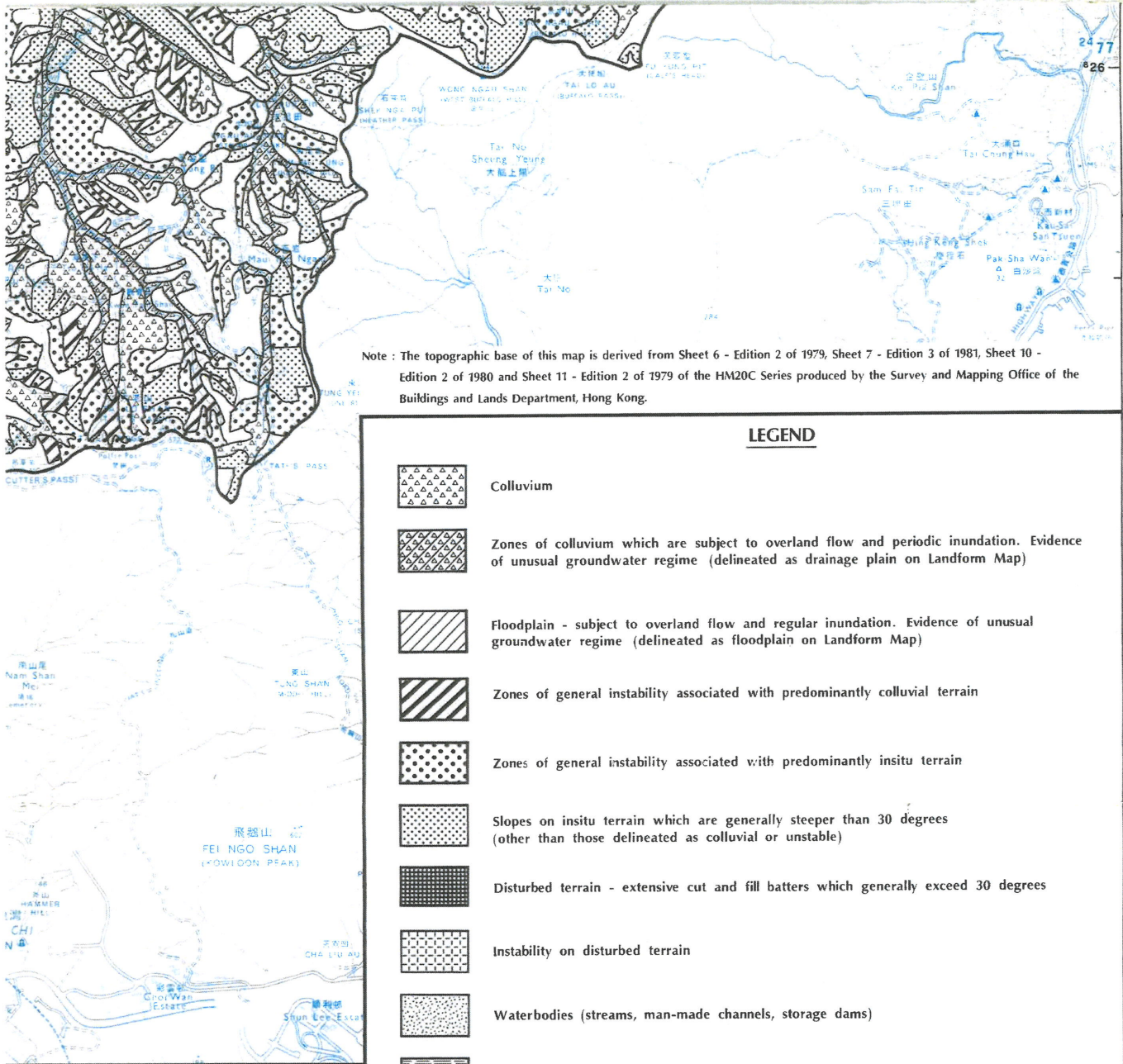
# RITORIES























Note : The topographic base of this map is derived from Sheet 6 - Edition 2 of 1979, Sheet 7 - Edition 3 of 1981, Sheet 10 - Edition 2 of 1980 and Sheet 11 - Edition 2 of 1979 of the HM20C Series produced by the Survey and Mapping Office of the Buildings and Lands Department, Hong Kong.

### LEGEND

-  Colluvium
-  Zones of colluvium which are subject to overland flow and periodic inundation. Evidence of unusual groundwater regime (delineated as drainage plain on Landform Map)
-  Floodplain - subject to overland flow and regular inundation. Evidence of unusual groundwater regime (delineated as floodplain on Landform Map)
-  Zones of general instability associated with predominantly colluvial terrain
-  Zones of general instability associated with predominantly insitu terrain
-  Slopes on insitu terrain which are generally steeper than 30 degrees (other than those delineated as colluvial or unstable)
-  Disturbed terrain - extensive cut and fill batters which generally exceed 30 degrees
-  Instability on disturbed terrain
-  Waterbodies (streams, man-made channels, storage dams)
-  Ponds
-  Moderate or severe gully erosion (may be superimposed upon other constraints)
-  Littoral zone (generally subject to tidal action)

24 77

\*30

Universal Transverse Mercator (UTM) Grid Reference

Hong Kong Metric Grid Reference

ERS

Physical Constraints Map (PCM) should be used only as a general nature of terrain-related constraints for regional planning produced at a scale of 1:20 000 and should not be used to of land smaller than 3 ha in size.

This Map must never be interpreted, reproduced or enlarged than 1:20 000 (i.e. scales of 1:10 000, 1:5 000 or larger). This warning may result in serious misinterpretation of the data.

Please consult the Central New Territories Geotechnical Area Name Report (GASP II) which discusses in detail the purpose of this Map.

# TORIES

Title: **PHYSICAL CONSTRAINTS MAP - CENTRAL NEW TERRITORIES**

Compiled: **A. Hansen / R. J. Purser**

Drawn: **S. W. Lam**

Scale: **1 : 20 000**

Date: **Original January, 1984  
2nd Edition July, 1987**

Map Ref. No: **GASP / 20 / II / 6**

2nd Edition

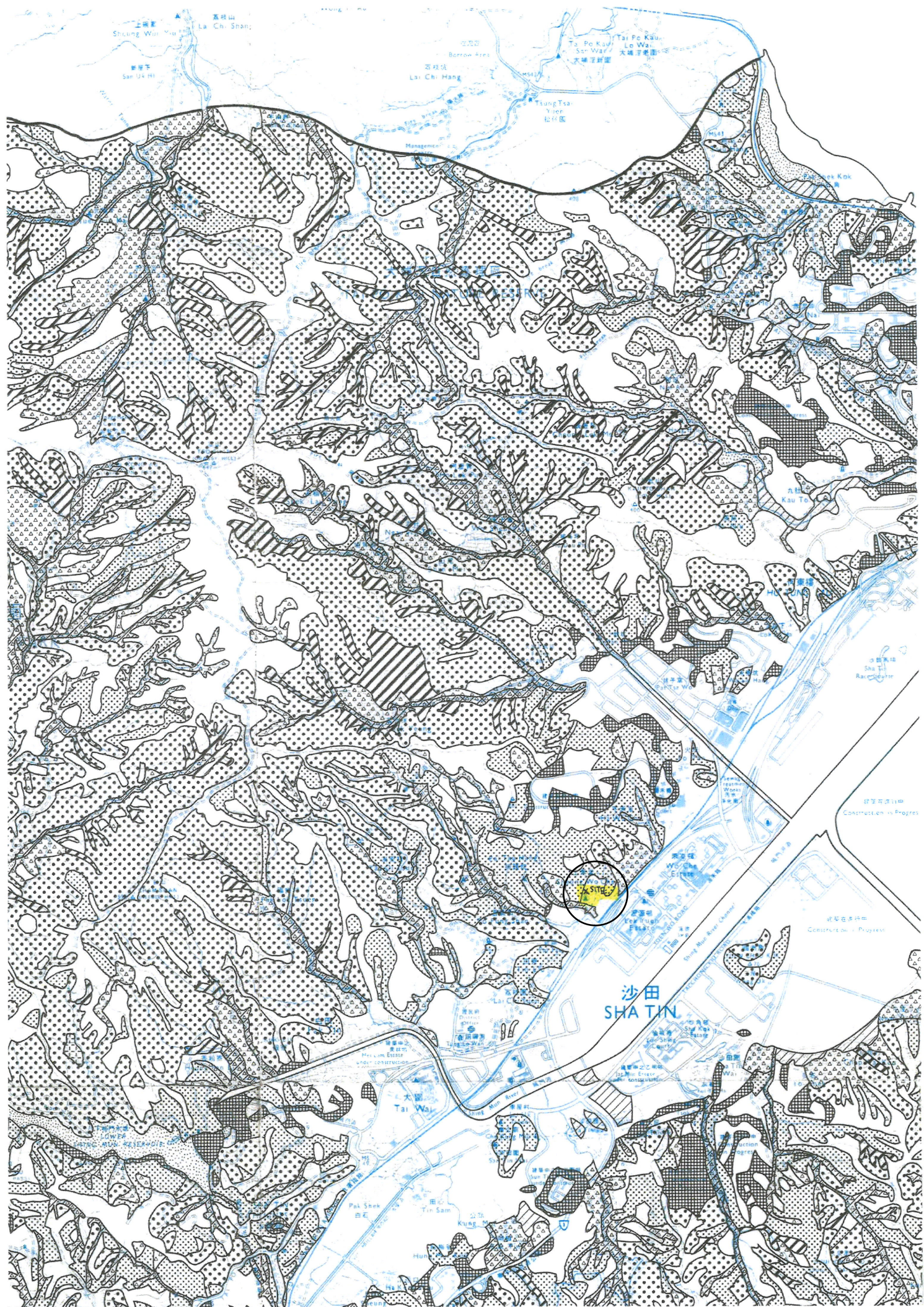
Sheet:

H

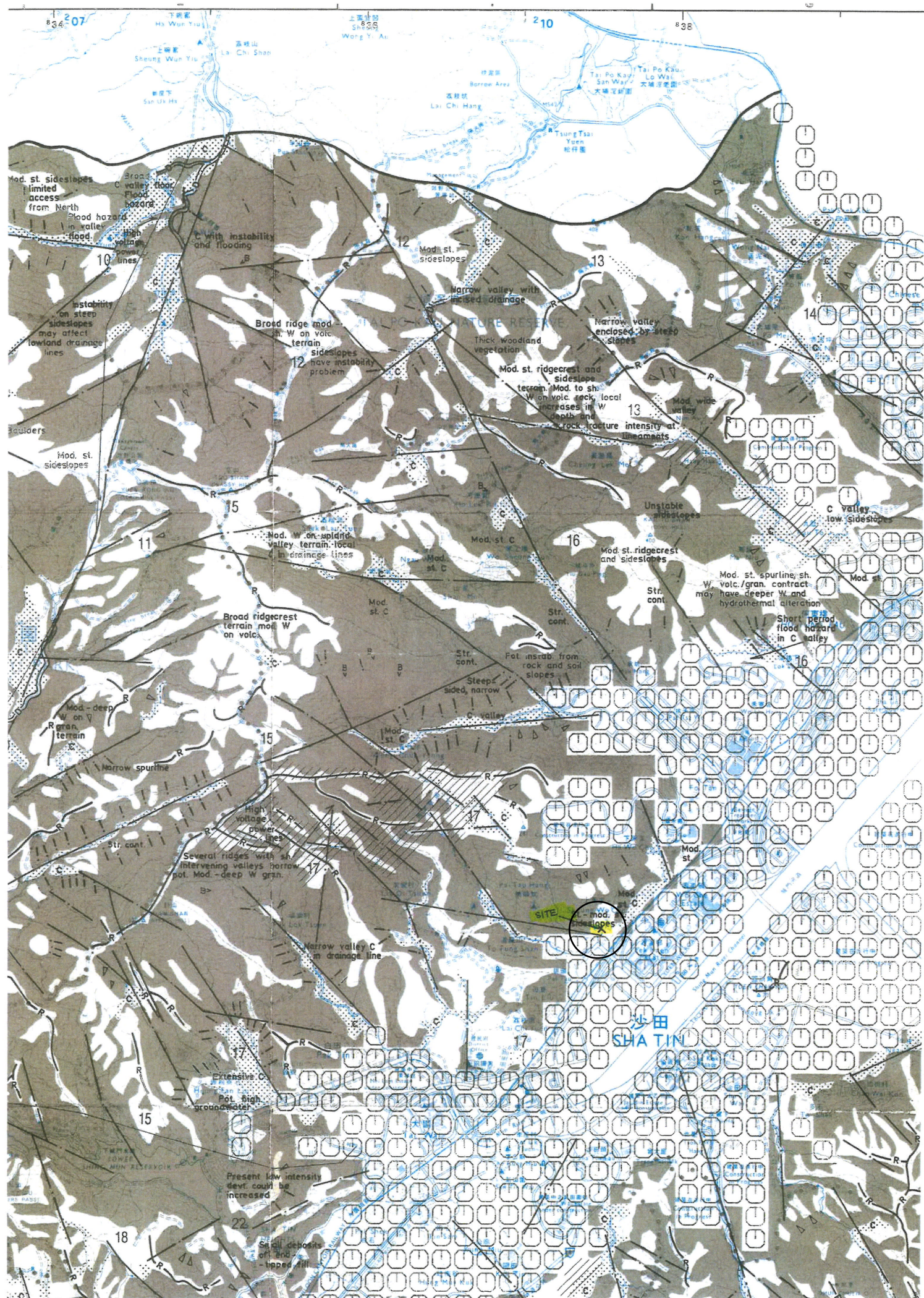
I

J

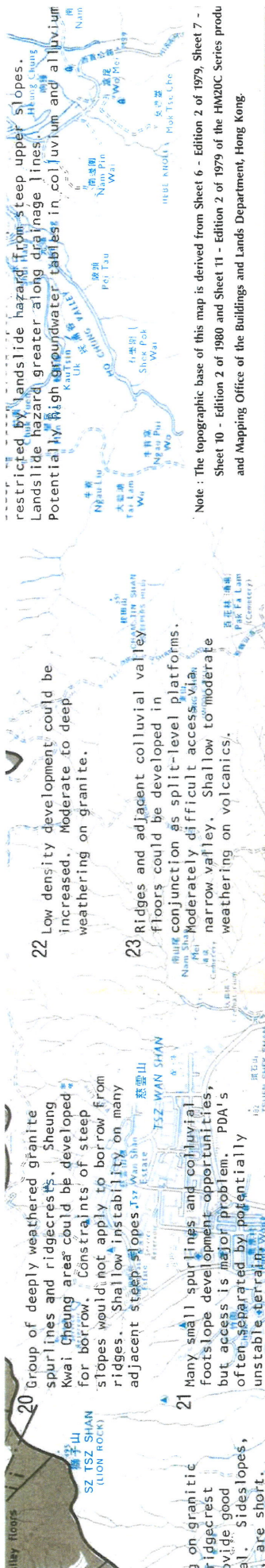












Note : The topographic base of this map is derived from Sheet 6 - Edition 2 of 1979, Sheet 7 - Sheet 10 - Edition 2 of 1980 and Sheet 11 - Edition 2 of 1979 of the HM20C Series produced by the Survey of Hong Kong and Mapping Office of the Buildings and Lands Department, Hong Kong.

LEGEND

FEATURES OF ENGINEERING SIGNIFICANCE :

DEVELOPMENT PLANNING ZONES :

- Zone of potential for development (assessed in geotechnical terms)
  - Zone of local geotechnical constraints (identified on PCM) within general PDA
  - Zone of constraints for development (assessed principally in geotechnical terms)
  - Zone of existing development, (based on principal use of GEOTECS 2 hectares unit)
  - Country Park boundary
  - Catchwater
  - High voltage power lines
  - Numerals on map refer to relevant general planning/engineering notes
  - Universal Transverse Mercator (UTM) Grid Reference
  - Hong Kong Metric Grid Reference
- NOTE
- 24 77
- 30
- Geological photolineament
- Ridgeline
- Drainage, incised drainage
- Colluvium (also in 'zone of local constraints', and PCM)
- Structure
- Weathering
- Boulders
- Steeper slopes influencing area (orientation of symbols indicates downslope direction)
- Instability influencing area
- Potential for borrow or extensive cut and fill : opportunity to create site formation in 'constrained' area, or larger site formation in 'potential' area
- NOTE
- i) Features are generally indicated only where of significance to identified potential development areas
- ii) For explanation of significance of identified features, see Report Appendix A, Table A6, and Section 4.2
- iii) Geological boundaries and photolineaments are shown in full on the EGM. Those lineaments indicated represent the surface expression of obvious structural discontinuities which affect the PDA's
- control.
- devel.
- gran.
- instabi
- mod.
- pot.
- sed.
- sh.
- st.
- volc.

RING APPRAISAL MAP

CIVIL ENGINEERING DEPARTMENT  
CIVIL ENGINEERING  
GLUTARY  
Ass. No. 666 - 5582

Title: GENERALISED LIMITATIONS AND ENGINEERING APPRAISAL CENTRAL NEW TERRITORIES			
Compiled:	A. Hansen	Drawn:	S. B. Ho / S.
Scale:	1:20 000	Date:	Original May, 1979 2nd Edition Jan, 1980
Map Ref. No:	GASP/20/II/15	2nd Edition	Sheet:



## **APPENDIX D**

### **SLOPE INFORMATION SYSTEM (SIS) RECORDS**

**Slope Maintenance Responsibility Report**

(DD185 Lot 296)

**ESTATE MANAGEMENT SECTION  
LANDS DEPARTMENT****List of Slope Maintenance Responsibility Area(s)**

<b>1</b>	<b>7SW-B/CR362</b>	<b>Sub-Division</b>		1
	<b>Location</b>	Partly within DD185 LOT 296 and partly on unallocated Government land		
	<b>Responsible Lot/Party</b>	DD185 LOT 296	<b>Maintenance Agent</b>	Not Applicable
	<b>Remarks</b>	Not Applicable		
<b>2</b>	<b>7SW-B/R102</b>	<b>Sub-Division</b>		Not Applicable
	<b>Location</b>	WITHIN STTL249 & ADJOINING GOVERNMENT LAND SUPPORTING THE LOT		
	<b>Responsible Lot/Party</b>	DD185 LOT296	<b>Maintenance Agent</b>	Not Applicable
	<b>Remarks</b>	Not Applicable		
<b>3</b>	<b>7SW-B/R96</b>	<b>Sub-Division</b>		Not Applicable
	<b>Location</b>	WITHIN SOUTH PORTION OF DD185 LOT296		
	<b>Responsible Lot/Party</b>	DD185 LOT296	<b>Maintenance Agent</b>	Not Applicable
	<b>Remarks</b>	Not Applicable		

- End of Report -

**Notes:**

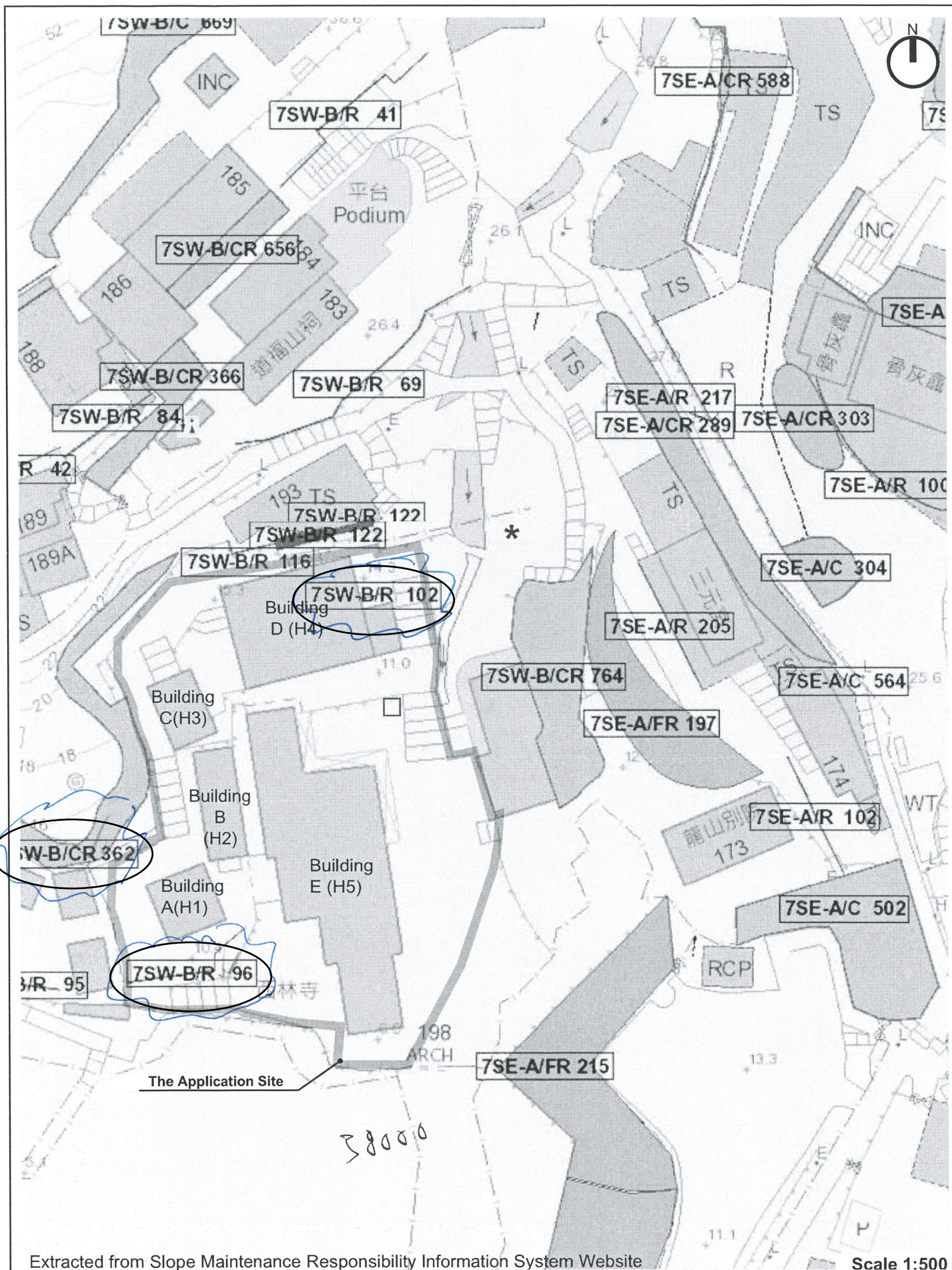
- (i) The location plan in Annex is for identification purposes of slope(s) only.
- (ii) The slope(s) as listed in the Slope Maintenance Responsibility Report may not be shown on the location plan in Annex.

The use of this report and plan is subject to the terms and conditions set out under the respective Disclaimers, Copyright Notice and Privacy Policy displayed on the Slope Maintenance Responsibility Information System webpage at <http://www.slope.landsd.gov.hk/smris/disclaimer>. The contents of this report and plan, including but not limited to all text, graphics, drawings, diagrams and compilation of data or other materials are protected by copyright. The users of this report and plan acknowledge that the Government of the Hong Kong Special Administrative Region is the owner of all copyright works contained in this report and plan. Any reproduction, adaptation, distribution, dissemination or making available of any copyright works contained in this report and plan to the public is strictly prohibited unless prior written authorization is obtained from the Lands Department.

Search Criteria: DD185 Lot 296







Extracted from Slope Maintenance Responsibility Information System Website

Scale 1:500



## Plan K: Registered Geotechnical Features Plan





## BASIC INFORMATION

Location: WEST OF NO. 194 PAI TAU TSUEN, SHATIN, N.T.

Registration Date: 06-05-2003

Ranking Score (NPRS): 14 (LPMit)

Date of Construction/  
Modification: Pre-1977

Data Source: LPM

Approximate Coordinates: Easting : 837463 Northing : 827470

## CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Temple

Distance of Facility from Crest (m): 2.5

Facility at Toe: Temple

Distance of Facility from Toe (m): 2.5

Consequence-to-life Category: 1

Remarks: N/A

## SLOPE PART

N/A

## WALL PART

(1) Max. Height (m): 3.2 Length (m): 20 Face Angle (deg): 85



### MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0    Private Feature    Party: DD185 LOT296    Agent: N/A    Land Cat.: 1    Reason Code: 1    MR Endorsement Date: 01-09-2004

### DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 16-04-2012

Data Source: LPM

Slope Part Drainage: N/A

Wall Part Drainage: N/A

### SLOPE PART

N/A



## **WALL PART**

Wall Part (1)

Type of Wall: Wall Material: Masonry Wall Location: Retaining wall with level platform

Berm: No. of Berms: N/A Min. Berm Width (m): N/A

Weepholes: Size (mm): N/A Spacing (m): N/A

## **SERVICES**

N/A



## CHECKING STATUS INFORMATION

Tagmark: SCS\_7638    Part: 0    Checking Status: Others (See remarks)

## BACKGROUND INFORMATION

GIU Cell Ref.: 7SW15B3  
Map Sheet Reference (1:1000): 7SW-15B  
Aerial Photos: 19893-4 (1977),

Nearest Rainguage Station (Station Number): Shun Wo House, Wo Che Estate(N02)

Data Collected On: 16-04-2012  
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed    Before: 1977    After: 0

Related Reports/Files or Documents: N/A

Remarks: N/A

Follow Up Actions: N/A





**DH-Order (To Be Confirmed  
with Buildings Department):**      **None**

**Advisory Letter (To Be Confirmed  
with Buildings Department):**      **None**

**LPMIS:**      **None**

## **ENHANCED MAINTENANCE INFORMATION**

**From Maintenance Department: (Last Updated Date: 15/09/2020)**



## **STAGE 1 STUDY REPORT**

**Inspected On:** 11-10-2002

**Weather:** Mainly Fine

**District:** MW

**Section No:** 1-1

**Height(m):** H1 : 3 , H2 : 3

**Type of Toe Facility:** Temple

**Distance from Toe(m):** 2.5

**Type of Crest Facility:** Temple

**Distance from Crest(m):** 2.5

**Consequence Category:** 1

**Engineering Judgement:** P

**Section No:** 2-2

**Type of Toe Facility:**

**Distance from Toe(m):**

**Type of Crest Facility:**

**Distance from Crest(m):**

**Consequence Category:** 1

**Engineering Judgement:** P



Sign of Seepage:	Slope : N/A Wall : Signs of seepage
Criterion A satisfied:	N
Sign of Distress:	Slope : N/A Wall : Minimal(near crest, mid-portion)
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	Y
Note:	DRESSED BLOCK WITH POINTING
Consequence category (for critical section):	1
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

#### ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Government

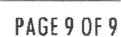
#### OTHER EXTERNAL ACTION

Check / repair Services:	N
Action By:	N/A
Non-routine Maintenance:	N
Action By:	N/A

**PHOTO**









## **BASIC INFORMATION**

Location: Sheung Wo Che Village, Sha Tin.

Registration Date: 19-11-1997

Ranking Score (NPRS): 327 (EI)

Date of Construction/  
Modification: Pre-1977

Data Source: LPM

Approximate Coordinates: Easting : 837452 Northing : 827483

## **CONSEQUENCE-TO-LIFE CATEGORY**

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Cottage, licensed and squatter area

Distance of Facility from Toe (m): 1

Consequence-to-life Category: 1

Remarks: N/A

## **SLOPE PART**

(2) Max. Height (m): 3.5 Length (m): 15 Average Angle (deg): 55

## **WALL PART**

(2) Max. Height (m): 3.5 Length (m): 15 Face Angle (deg): 90



## MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1    Mixed Feature    Party: DD185 LOT 296    Agent: N/A    Land Cat.: 1    Reason Code: 1    MR Endorsement Date: 15-08-2018  
(2) Sub Div.: 2    Mixed Feature    Party: Lands D    Agent: Lands D    Land Cat.: 5b(vi)    Reason Code: 62    MR Endorsement Date: 15-08-2018

## DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 21-12-2016

Data Source: LPM

Slope Part Drainage: (1)    Position: Toe    Size(mm): 300

Wall Part Drainage: N/A

## SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0    Vegetated: 100    Chunam: 0    Shotcrete: 0    Other Cover: 0

Material Description: Material type: Soil    Geology: N/A

Berm: No. of Berms: N/A    Min. Berm Width (m): N/A

Weepholes: Size (mm): N/A    Spacing (m): N/A





## WALL PART

Wall Part (1)

Type of Wall:	Wall Material: Concrete	Wall Location: Wall at toe
Berm:	No. of Berms: N/A	Min. Berm Width (m): N/A
Weepholes:	Size (mm): N/A	Spacing (m): N/A

## SERVICES

(1) Utilities Type: Water Main    Size(mm): 30    Location: On slope    Remark: N/A



### CHECKING STATUS INFORMATION

Tagmark: SCS\_7637    Part: 0    Checking Status: Others (See remarks)  
Tagmark: SCS\_17201    Part: 0    Checking Status: Feature to be upgraded by prescriptive measures and GEO Checking being waived

### BACKGROUND INFORMATION

GIU Cell Ref.: 7SW15B3  
Map Sheet Reference (1:1000): 7SW-15B  
Aerial Photos: Y12441-2 (1964),

Nearest Rainuage Station  
(Station Number): Shun Wo House, Wo Che Estate(N02)

Data Collected On: 21-12-2016  
Date of Construction, Subsequent  
Modification and Demolition: Modification: Constructed    Before: 1963    After: 1949

Related Reports/Files or Documents: File/Report: Development    Ref. No.: GCMd 2/B3/68  
File/Report: Development    Ref. No.: GCMd 2/B3/68

Remarks: N/A

Follow Up Actions: N/A





DH-Order (To Be Confirmed  
with Buildings Department): None

Advisory Letter (To Be Confirmed  
with Buildings Department): Date of Recommendation to BD: N/A File Reference: N/A  
Date Served by BD: 14/06/2019

LPMIS: None

### **ENHANCED MAINTENANCE INFORMATION**

From Maintenance Department: (Last Updated Date: 15/09/2020)



## STAGE 1 STUDY REPORT

Inspected On: 17-03-1997

Weather: Some Rain

District: ME

Section No: 1-1

Height(m): H1 : 4 , H2 : 0

Type of Toe Facility: Cottage, licensed and squatter area

Distance from Toe(m): 1

Type of Crest Facility: Road/footpath with low traffic density

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility: N/A

Distance from Toe(m): 0

Type of Crest Facility: N/A

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P





Sign of Seepage:	Slope : No signs of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : Reasonable (near crest, mid-portion, at toe) Wall : N/A
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	N
Note:	N/A
Consequence category (for critical section):	1
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

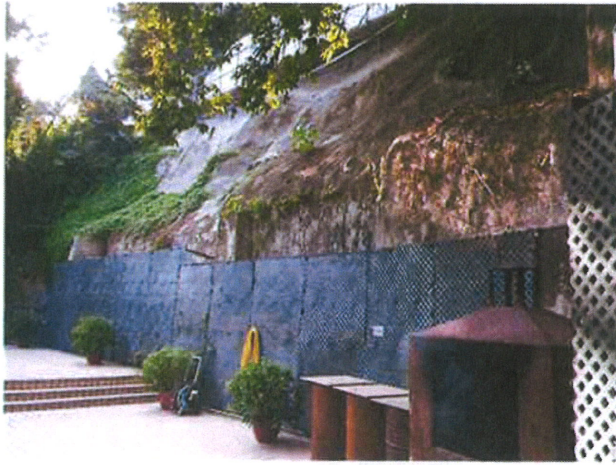
#### ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

#### OTHER EXTERNAL ACTION

Check / repair Services:	N
Action By:	N/A
Non-routine Maintenance:	N
Action By:	N/A

**PHOTO**











## BASIC INFORMATION

Location: 18M, NORTH OF NO.194, SHEUNG WO CHE TSUEN, SHATIN

Registration Date: 03-06-2003

Ranking Score (NPRS): 5 (LPMit)

Date of Construction/  
Modification: Pre-1977

Data Source: Agreement CE 60/2002 (GE)

Approximate Coordinates: Easting : 837489 Northing : 827505

## CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Densely-used open area/facilities

Distance of Facility from Crest (m): 0

Facility at Toe: Temple

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

## SLOPE PART

N/A

## WALL PART

(3) Max. Height (m): 3 Length (m): 4 Face Angle (deg): 90



## MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0    Private Feature    Party: DD185 LOT296    Agent: N/A    Land Cat.: 1    Reason Code: 1    MR Endorsement Date: 14-10-2003

## DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 19-11-2002  
Data Source: Agreement CE 60/2002 (GE)  
Slope Part Drainage: N/A

Wall Part Drainage: N/A

## SLOPE PART

N/A



## WALL PART

Wall Part (1)

Type of Wall: Wall Material: Concrete Wall Location: Retaining wall with level platform

Berm: No. of Berms: N/A Min. Berm Width (m): N/A

Weepholes: Size (mm): N/A Spacing (m): N/A

## SERVICES

(1) Utilities Type: Electricity Size(mm): 0 Location: On crest Remark: Size cannot be determined

(2) Utilities Type: Water Main Size(mm): 20 Location: On crest Remark: N/A





## CHECKING STATUS INFORMATION

Tagmark: SCS\_7639 Part: 0 Checking Status: Others (See remarks)

## BACKGROUND INFORMATION

GIU Cell Ref.: 7SW1583

Map Sheet Reference (1:1000): 7SW-15B

Aerial Photos: Y12441-2 (1964),

Nearest Rainuage Station  
(Station Number): Shun Wo House, Wo Che Estate(N02)

Data Collected On: 19-11-2002

Date of Construction, Subsequent  
Modification and Demolition: Modification: Constructed Before: 1964 After: 0

Related Reports/Files or Documents: N/A

Remarks: N/A

Follow Up Actions: N/A



DH-Order (To Be Confirmed  
with Buildings Department): None

Advisory Letter (To Be Confirmed  
with Buildings Department): None

LPMIS: None

### **ENHANCED MAINTENANCE INFORMATION**

From Maintenance Department: (Last Updated Date: 15/09/2020)





**STAGE 1 STUDY REPORT**

**Inspected On:** 19-11-2002

**Weather:** Mainly Fine

**District:** MW

**Section No:** 1-1

**Height(m):** H1 : 3 , H2 : 3

**Type of Toe Facility:** Temple

**Distance from Toe(m):** 0

**Type of Crest Facility:** Densely-used open area/facilities

**Distance from Crest(m):** 0

**Consequence Category:** 1

**Engineering Judgement:** P

**Section No:** 2-2

**Type of Toe Facility:**

**Distance from Toe(m):**

**Type of Crest Facility:**

**Distance from Crest(m):**

**Consequence Category:** 1

**Engineering Judgement:** P



Sign of Seepage:	Slope : N/A Wall : Signs of seepage
Criterion A satisfied:	N
Sign of Distress:	Slope : N/A Wall : N/A
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	N
Note:	N/A
Consequence category (for critical section):	1
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

#### ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Private

#### OTHER EXTERNAL ACTION

Check / repair Services:	N
Action By:	N/A
Non-routine Maintenance:	N
Action By:	N/A



**PHOTO**

