



Redevelopment of Wan Sin Koon LOT Nos. 1856 (Part), 1857 S.A., 1857 RP, 1858, 1859 and Adjoining Government Land STT1345 Lau Fau Shan, Yuen Long

Geotechnical Planning Review Report

2025-08-13



Document distribution

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Geotechnical Planning Review Report

2025-08-13

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Rev	Date	Details
-	2025-08-13	1 st Submission

Table of contents

1.	Introduction	5
2.	Description of the site	6
2.1	Site Location	6
2.2	Topographic Condition	7
2.3	Proposed Redevelopment Plan	7
3.	Desktop Investigation	9
3.1	Geological Survey Map	9
3.2	Geotechnical Area Studies Programme	10
3.3	Existing Features Within and Adjacent to the Redevelopment Area	10
3.4	Natural Terrain	14
3.5	Available Site-Specific Ground Investigation Works	14
4.	Anticipated Geotechnical Works	15
4.1	Proposed Site Formation Works	15
4.2	Assessment Slope Stability for the Slope Within Proposed Redevelopment	16
5.	Conclusion	18

Table 3.1	Summary of Existing Features Within the Redevelopment Area	11
Table 3.2	Summary of Existing Features Without the Redevelopment Area	13
Table 4.1	Summary of proposed slope/retaining wall works to be carried out in site formation	15

Figure 2.1	1:5000 topographical map	6
Figure 2.2	Site Location Layout Plan with adjacent Buildings/roads	7
Figure 2.3	Proposed Development Scheme	8
Figure 3.1	Part Plan of The Hong Kong Geological Survey Map, Sheet 2 (scale 1:20,000)	9
Figure 3.2	Part Plan of the GLUM – North West New Territories	10
Figure 3.3	Location plan of Registered Features	14
Figure 4.1	Location of proposed slope/retaining wall works to be carried out	16



Appendix A – SIS Records

Appendix B – Latest Architectural Drawings

1. Introduction

WSP Hong Kong Ltd. is appointed as the Geotechnical and Civil Engineering consultant for the Redevelopment of Wan Fau Sin Koon Lot Nos. 1856 (Part), 1857 S.A., 1857 RP, 1858, 1859 and Adjoining Government Land STT1345 in DD129 Lau Fau Shan at Yuen Long.

The proposed redevelopment includes 6 single-story Columbarium blocks/halls, 3 eco-joss paper furnaces, an ancillary toilet block and an office.

This report is a geotechnical planning review report to provide the preliminary planning review in geotechnically aspects based on the findings of the visual survey; the available existing information obtained from the relevant government departments and available ground investigation.

2. Description of the site

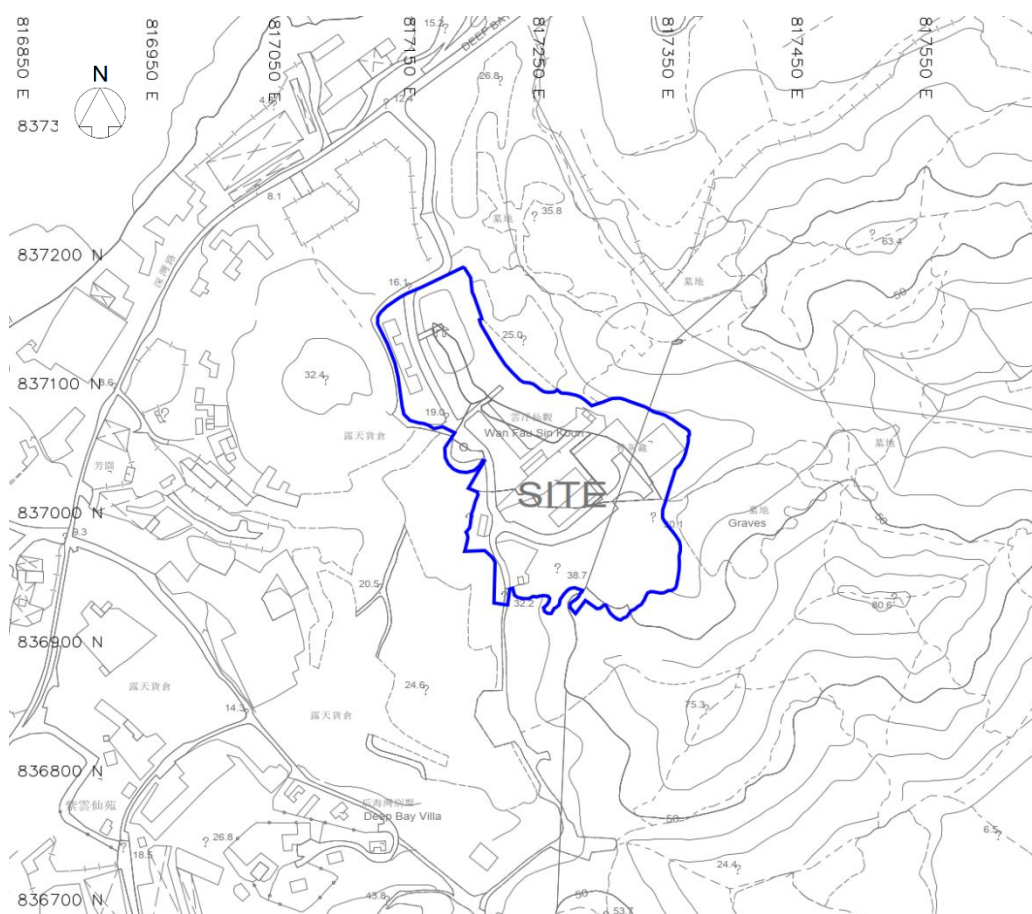
2.1 Site Location

The proposed redevelopment (The Site) is located at Wan Fau Sin Koon, Lau Fau Shan, Yuen Long. It consists of five lots including lot nos. 1856 (Part), 1875 S.A., 1857 RP, 1858 and 1859 and adjoining government land STT1345 in DD129 Lau Fau Shan at Yuen Long. Wan Fou Sin Koon is located along Deep Bay Road in Lau Fau Shan, Yuen Long District. The site lies at the toe of a gently sloping hillside, with terrain rising prominently from the northeast to the south ranging from 16.1mPD to 31.8mPD, where it is enveloped by the vegetated slopes of Lam Hang Shan.

The site has a total of about 33,078.4m². The surrounding area is characterized by abundant mature trees, dense greenery, and patches of gravelled ground, forming a natural buffer around the site. To the southeast of the site, there is an open storage area.

The 1:5000 topographical map and site location plan with adjacent buildings/roads are shown in **Figure 2.1 & 2.2** respectively.

Figure 2.1 1:5000 topographical map

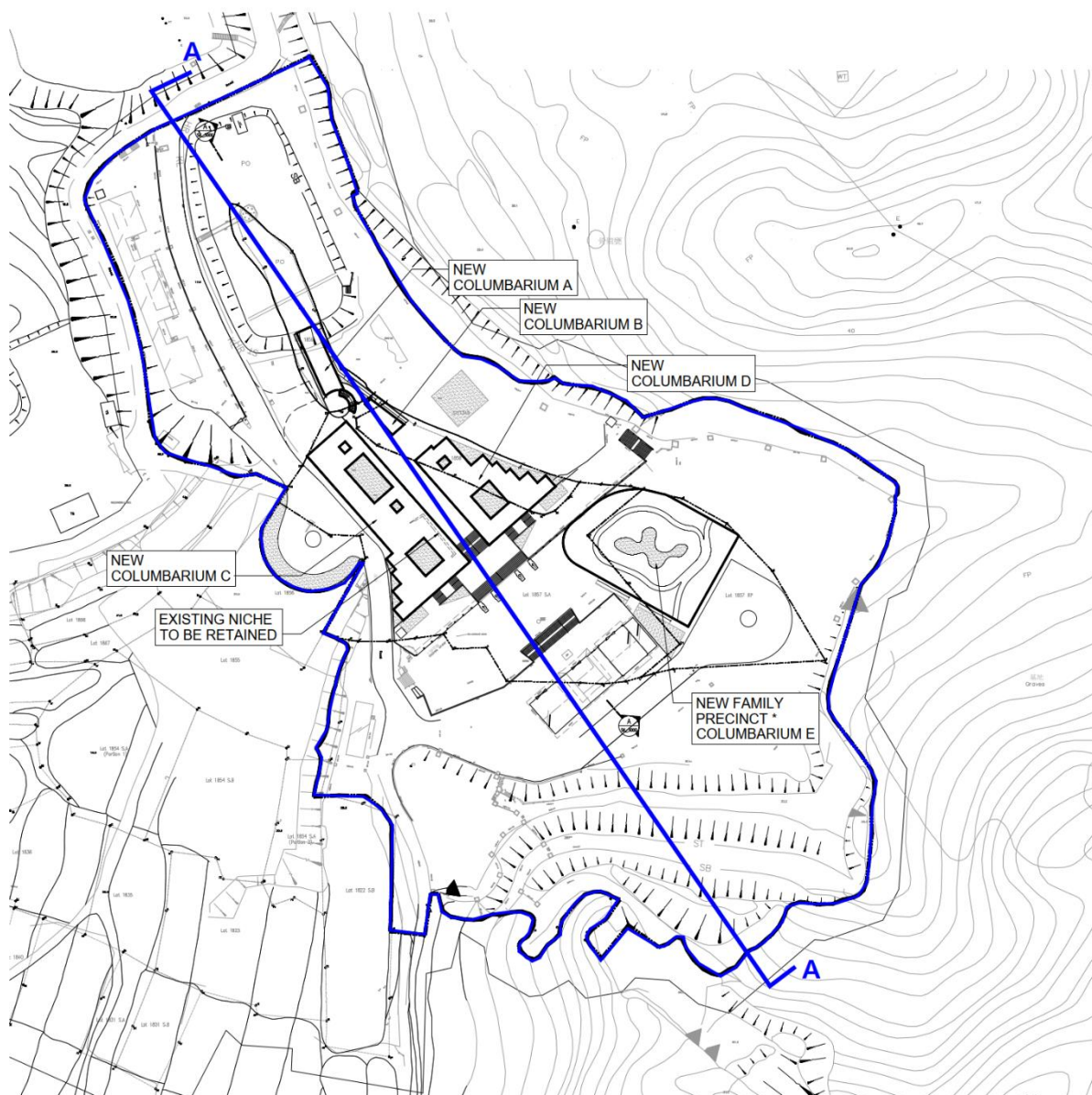




2.3 Proposed Redevelopment Plan

7

Figure 2.3 Proposed Development Scheme

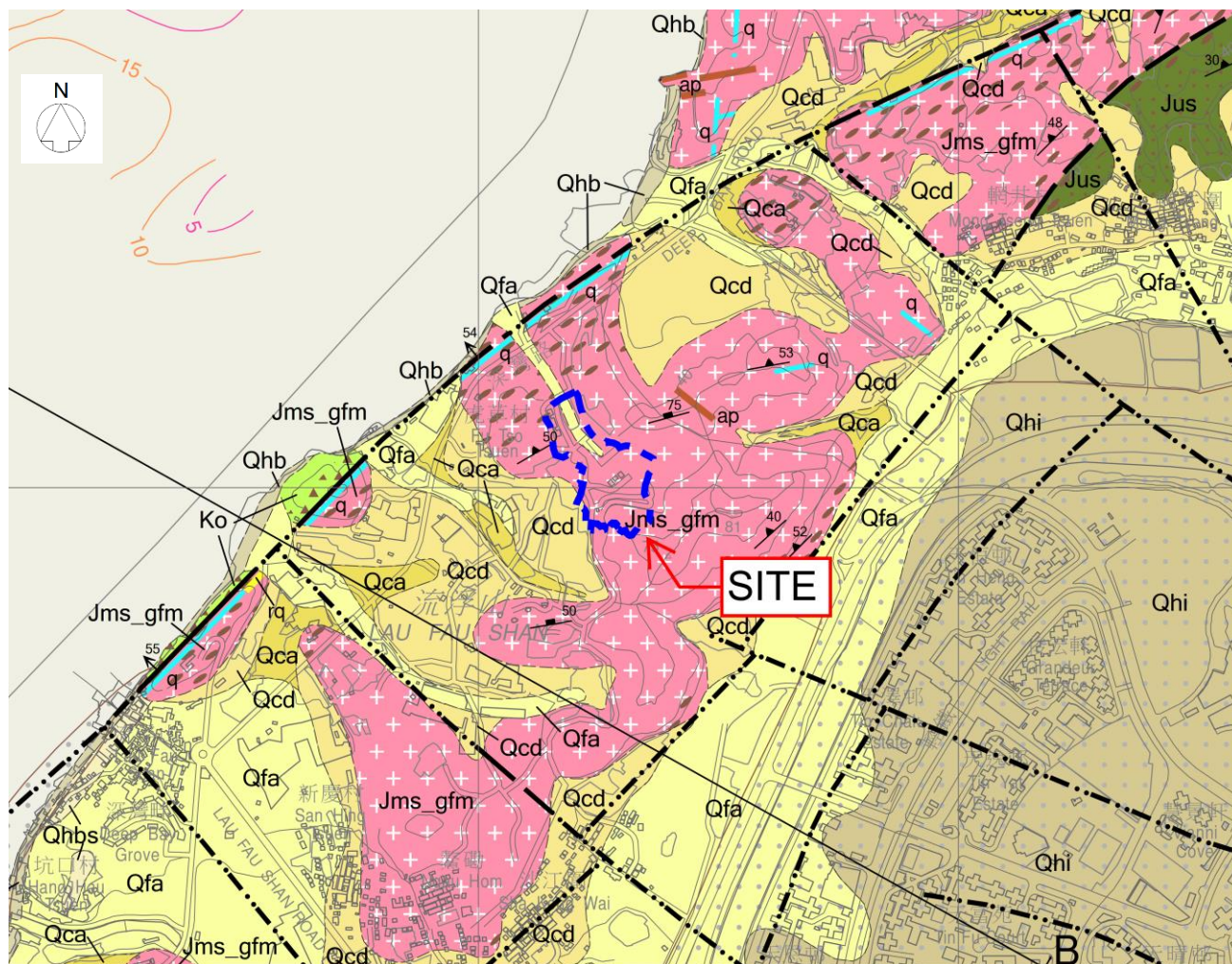


3. Desktop Investigation

3.1 Geological Survey Map

The Hong Kong Geological Survey Map, Sheet 11 (scale 1:20,000) Solid and Superficial Geology of Hong Kong and Kowloon published by the Geotechnical Control Office (GCO, 2012) indicates that the site situated at debris flow deposits (Qpd) and undivided, Clay, slit, sand and gravel well-sorted to semi-sorted Alluvium (Qfa), Slit, sand, gravel and boulders Alluvium (Qca), phyllite, metasiltstone with metasandstone and graphite schist (Mai Po Member), Equi granular to inequigranular fine to medium grained two mica granite (Tsing Shan Granite_Jms_gfm). Part Plan of geological map is presented in below and provided in **Figure 3.1**.

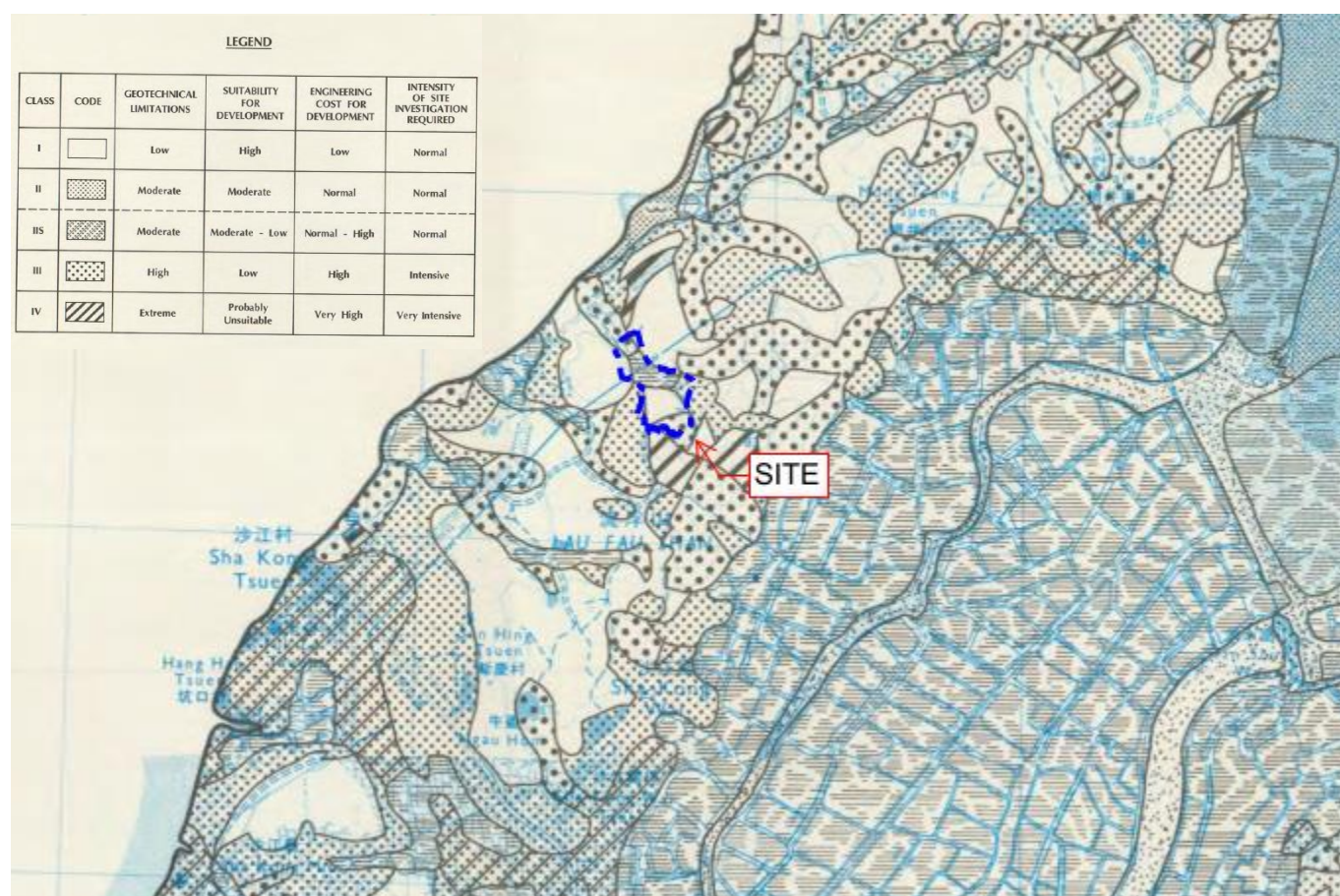
Figure 3.1 Part Plan of The Hong Kong Geological Survey Map, Sheet 2 (scale 1:20,000)



3.2 Geotechnical Area Studies Programme

In accordance with the Geotechnical Land Use Map (GLUM) (Ref. No. GASP/20/1/1 2nd Edition) in Geotechnical Area Studies Programme (GASP) Report IV – Hong Kong and Kowloon (1987) issued by CEDD, the terrain in proposed site can be classified as Class I to III. (low to high geotechnical limitations). With reference to cl. 4.1.3 of the report, GLUM Class III terrain is expected to require High geotechnical investigation, and the costs associated with site investigation, site formation, foundation and drainage work will probably be high for the north part of site and lower cost for the south part. Part plan of the relevant GLUM is presented in below and provided in **Figure 3.2**.

Figure 3.2 Part Plan of the GLUM – North West New Territories



3.3 Existing Features Within and Adjacent to the Redevelopment Area

There are 22 registered slope features within or in the vicinity of the proposed site. The location of these features is shown on attached **Figure 3.3**. Records of registered slope features, maintenance responsible lot/party, and stability statement or upgrading works are summarized in **Table 3.1**. Relevant information on the existing slopes and retaining walls feature retrieved from Slope Information System (SIS) is enclosed in **Appendix A**.

Table 3.1 Summary of Existing Features Within the Redevelopment Area

Feature Nos.	Responsible Lot / Party	Past Stability Check	Proposed Work(s)
# 2SW-C/C 50	STT1345 / Lands D	Checked by GEO under site formation and drainage works of private development (BD ref. no. 6/9137/03), no robust slope upgrading works had been carried out. consequence-to-life (CTL) Category 3.	Slope stability assessment will be carried out to ensure on effect to the proposed development.
# 2SW-C/C 63	DD129 LOT 771 / STT1345 / Lands D	Checked by GEO under site formation and drainage works of private development (BD ref. no. 6/9137/03), no robust slope upgrading works had been carried out. consequence-to-life (CTL) Category 3.	Slope stability assessment will be carried out to ensure on effect to the proposed development.
# 2SW-C/C 64	STT1345 / Lands D		
# 2SW-C/C 66	DD129 LOT 1855 / DD129 LOT 1857 S.A/ Lands D	No past checking record, consequence-to-life (CTL) Category 3.	Retaining wall /Slope feature will be modified in proposed site formation work; slope stability assessment will be required.
# 2SW-C/C 67	DD129 LOT 1854A / DD129 LOT 1822B / STT1345 / Lands D	The northern slope portion 4 had been formed by Cement fill under site formation and drainage works of private development (BD ref. no. 6/9137/03), no robust slope upgrading works had been carried out. consequence-to-life (CTL) Category 1.	Slope stability assessment will be carried out to ensure on effect to the proposed development.
# 2SW-C/C 68	STT1345 / Lands D	Checked by GEO under site formation and drainage works of private development (BD ref. no. 6/9137/03), no robust slope upgrading works had been carried out. consequence-to-life (CTL) Category 1	
# 2SW-C/C 93	STT1345 / Lands D	'Miramat" erosion control mat and hydroseeding had been provided on slope but no robust slope upgrading works.	Slope stability assessment will be carried out to ensure on effect to the

Feature Nos.	Responsible Lot / Party	Past Stability Check	Proposed Work(s)
		Checked by GEO under site formation works of private development (BD ref. no. 6/9137/03). consequence-to-life (CTL) Category 3.	proposed development.
# 2SW-C/C 96	Lands D	No past checking record, consequence-to-life (CTL) Category 3.	
# 2SW-C/C 97	STT1345 / Lands D	Slope upgrading works by installation of soil nails had been done on western portions under site formation and drainage works of private development (BD ref. no. 6/9137/03). consequence-to-life (CTL) Category 3.	
# 2SW-C/C 98	STT1345 / Lands D		
# 2SW-C/C 99	STT1345 / Lands D	No past checking record, consequence-to-life (CTL) Category 3.	
# 2SW-C/CR 101	STT1345 / Lands D	Slope upgrading works by installation of soil nails had been done on western portions under site formation and drainage works of private development (BD ref. no. 6/9137/03). Stage 2 Report is founded for the slope upgrading works. consequence-to-life (CTL) Category 2	
# 2SW-C/F 10	DD129 LOT 1859 / STT1345 / Lands D	No past checking record, consequence-to-life (CTL) Category 3.	Retaining wall /Slope feature will be modified in proposed site formation work; slope stability assessment will be required.
** 2SW-C/F 11	STT1345 / Lands D		Slope stability assessment will be carried out to ensure on effect to the proposed development.
** 2SW-C/F 12	STT1345 / Lands D		

Feature Nos.	Responsible Lot / Party	Past Stability Check	Proposed Work(s)
# 2SW-C/R 4	DD129 LOT 1857 S.A / STT1345 / Lands D		Retaining wall /Slope feature will be modified in proposed site formation work; slope stability assessment will be required.
# 2SW-C/R 11	DD129 LOT 1857 S.A / STT1345 / Lands D		

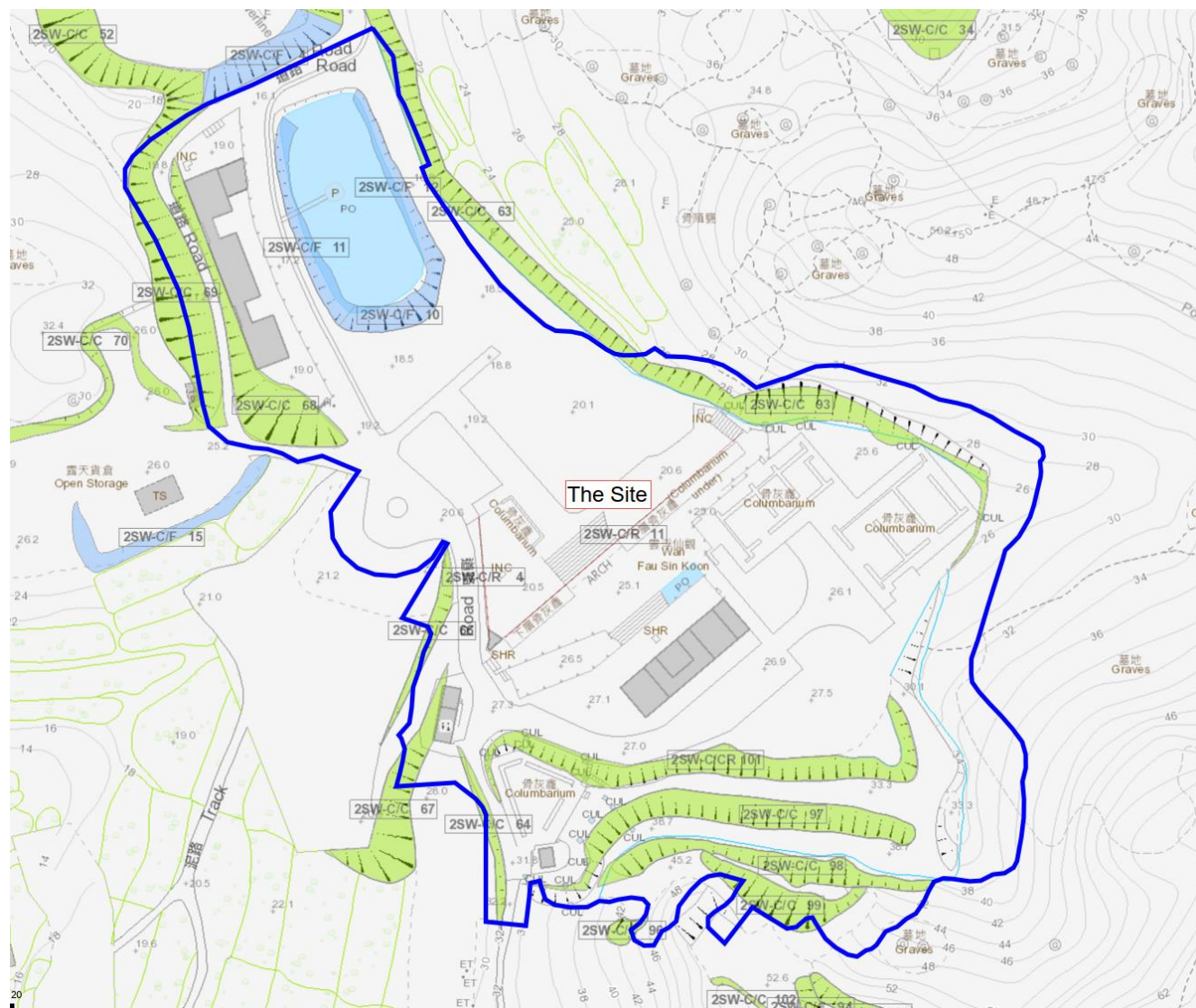
For the existing feature located within the site and will be modified by the proposed development

** For the existing feature within the site but no modified by the proposed development

Table 3.2 Summary of Existing Features Without the Redevelopment Area

Feature Nos.	Responsible Lot / Party	Past Stability Check	Proposed Work(s)
2SW-C/C 51	Lands D	No past checking record, consequence-to-life (CTL) Category 3.	Slope stability assessment may not be required due to no propose works & on change of CTL.
2SW-C/C 52	Lands D		
2SW-C/C 69	DD129 Lot1862 / Lands D	No past checking record, consequence-to-life (CTL) Category 3.	Slope stability assessment may not be required due to no propose works & on change of CTL.
2SW-C/F 4	Lands D	No past checking record, consequence-to-life (CTL) Category 3.	Slope stability assessment may not be required due to no propose works & on change of CTL.
2SW-C/F 15	DD129 Lot1862 / Lands D		Slope stability assessment may not be required due to no propose works & on change of CTL.

Figure 3.3 Location plan of Registered Features



3.4 Natural Terrain

The site is mainly surrounded by the man-made features and no natural terrain hazard to the site is considered since the proposed redeveloped plan is classified group 4 facility of columbarium, which does not require natural terrain hazard study as per GEO Report No.138.

3.5 Available Site-Specific Ground Investigation Works

Previous ground investigation works were carried out by Wai Tat Foundation & Engineering Limited (2007), The Boring Engineering Limited (2011), Vibro (H.K.) Limited (2015), Further ground investigation works had been carried out by Avance Engineering (HK) Ltd (2023).

Based on the available information, the preliminary typical geological section showing soil / rock profile is shown in **Figure 3.4**. The tentative grade III rockhead level varies from about -7 mPD to +44 mPD.

4. Anticipated Geotechnical Works

4.1 Proposed Site Formation Works

Based on the proposed redevelopment plan attached in Appendix B, site formation works including slope / retaining wall removal / modification shall be carried out to cater for any ground level difference alongside or within the site. The permanent retaining structures such as Solider pile wall, L-shaped R.C. retaining wall are anticipated. **Table 4.1** and **Figure 4.1** shows the proposed slope/retaining wall works to be carried out.

Table 4.1 Summary of proposed slope/retaining wall works to be carried out in site formation

Feature Nos.	Responsible Lot / Party	Proposed Works in this planning
2SW-C/F 10	DD129 LOT 1859 / STT1345 / Lands D	Retained and part of the slope feature to be filled and excavated in site formation work
2SW-C/R 4	DD129 LOT 1857 S.A / STT1345 / Lands D	Retained and part of the retaining wall feature to be modified in site formation work
2SW-C/R 11	DD129 LOT 1857 S.A / STT1345 / Lands D	Retained and part of the retaining wall feature to be removed in site formation work
2SW-C/C 66	DD129 LOT 1855 / DD129 LOT 1857 S.A/ Lands D	Retained and part of the slope feature to be modified in site formation work
2SW-C/C 93	STT1345 / Lands D	Retained and part of the slope feature to be filled and excavated in site formation work



site will be assessed to ensure meeting with current safety standards. If any slope features are found not meeting current standard, slope upgrading works will be proposed, subject to detailed design considerations.

5. Conclusion

Based on the available information, it is considered that the proposed redevelopment is geotechnically feasible. The likely involved geotechnical works shall have no adverse effects on the adjacent grounds, slope, retaining wall, underground utilities and structures. All slopes and retaining walls affecting or being affected by the proposed redevelopment plan will be assessed, if necessary, upgrading works will be implemented in detailed design of the proposed building plan.

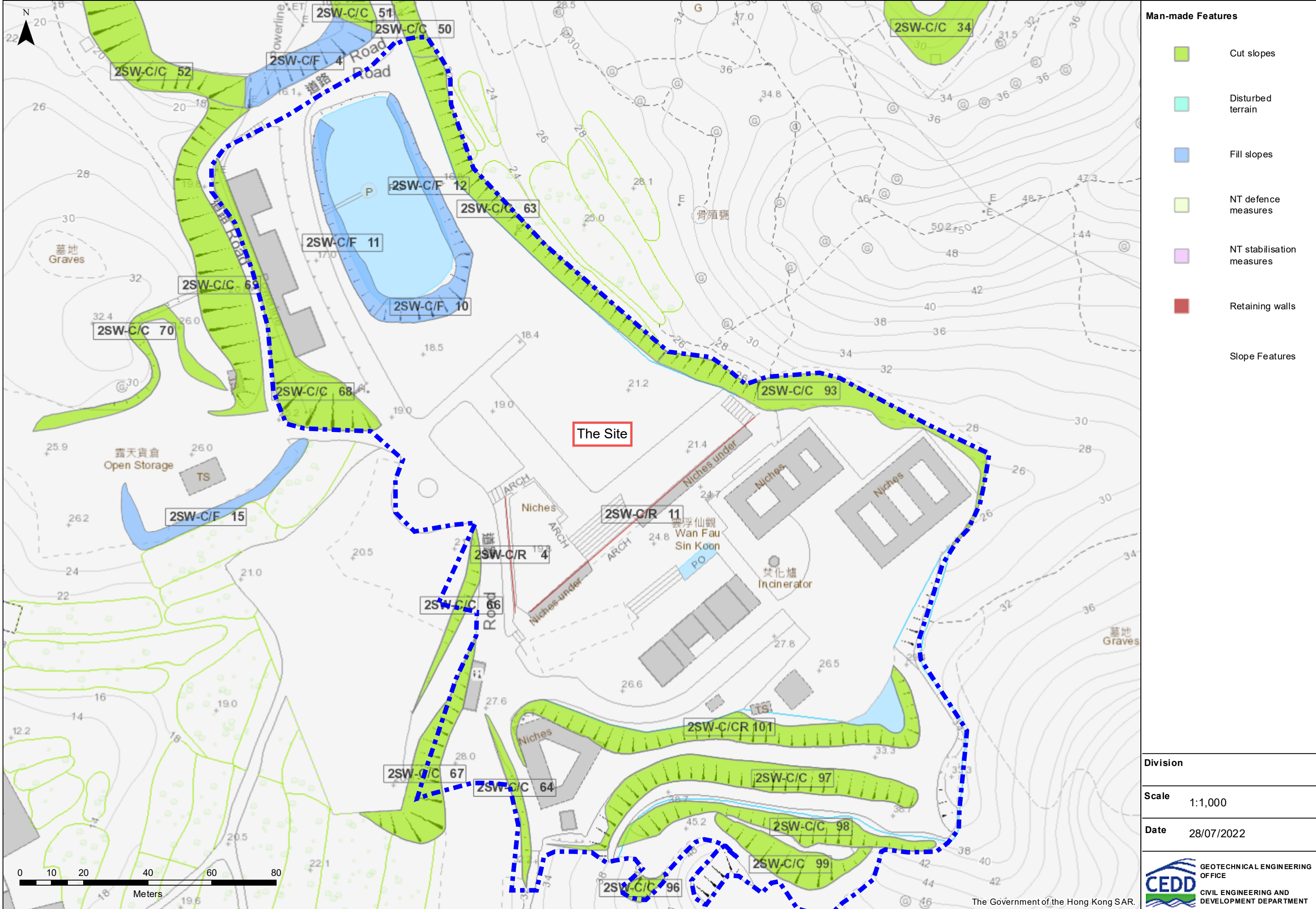


A

SIS Records



Appendix A – SIS Records



BASIC INFORMATION

Location: WAN FAU SIN KOON, LAU FAU SHAN, YUEN LONG

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (LPMit)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: SIRST

Approximate Coordinates: Easting : 817220 Northing : 837156

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: District open space

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 4.5 Length (m): 126 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 LOT 771	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 20-06-2012
(2) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 20-06-2012
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 09-03-1998
Data Source: SIRST
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 40 Vegetated: 60 Chunam: 0 Shotcrete: 0 Other Cover: 0
Material Description: Material type: Soil Geology: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3343 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: A 15845 (1988), A 15844 (1988)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 09-03-1998
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1988 After: 1987

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: District open space

Distance from Toe(m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

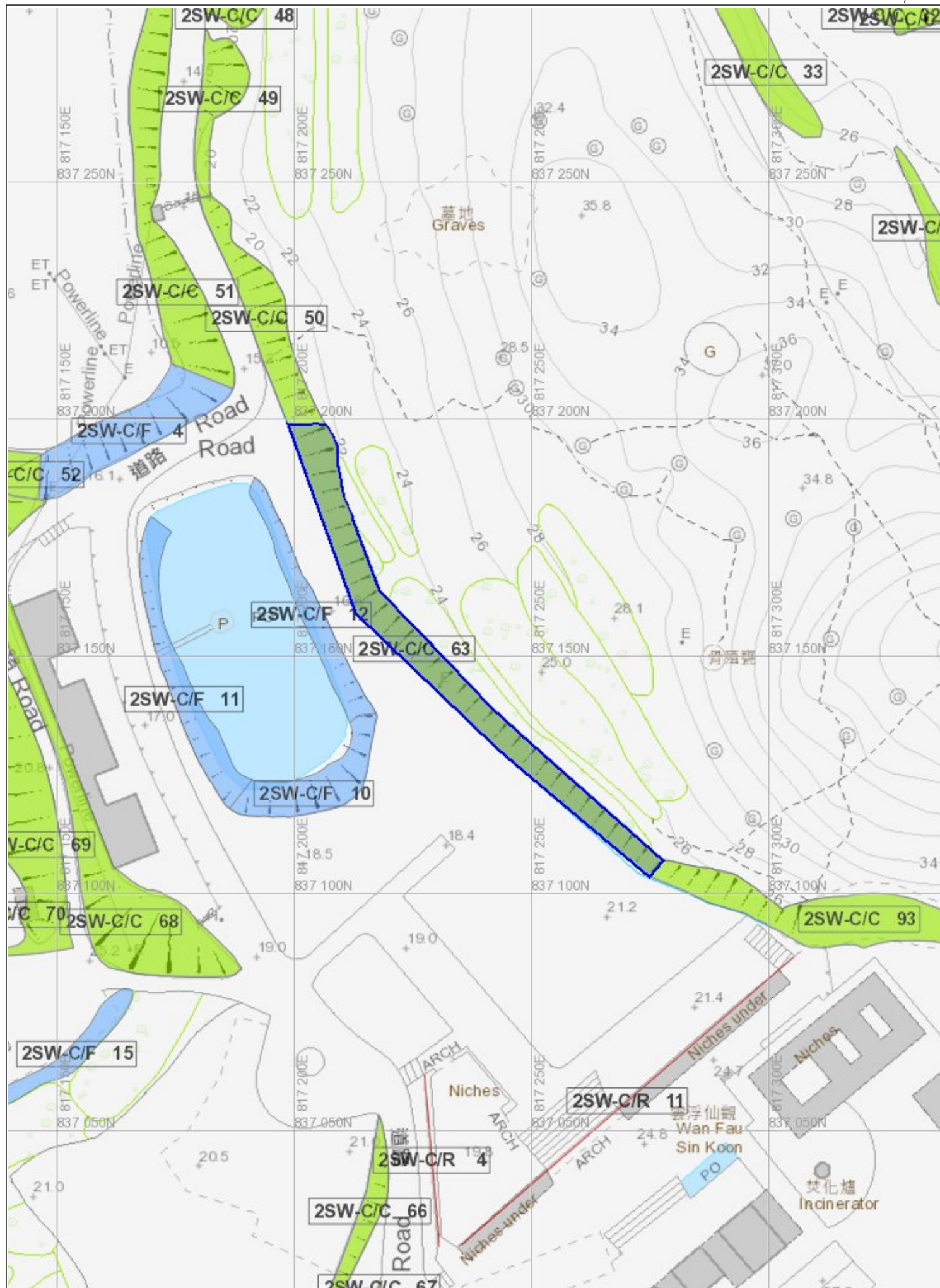
PHOTO



2SW-C/C 63

GENERAL VIEW

F14



BASIC INFORMATION

Location: South of Wan Fau Siu Koon, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/
Modification:

Data Source: Agreement CE 59/2002 (GE)

Approximate Coordinates: Easting : 817231 Northing : 836968

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: District open space

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 55 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 03-08-2012
(2) Sub Div.: 1	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 03-08-2012
(3) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 5b(vi)	Reason Code: 62	MR Endorsement Date: 03-08-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 18-03-2003
Data Source: Agreement CE 59/2002 (GE)
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 40 Vegetated: 60 Chunam: 0 Shotcrete: 0 Other Cover: 0
Material Description: Material type: Soil Geology: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_1325 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A5
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: CW33565 (2001), CW33566 (2001)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 18-03-2003
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1974 After: 1964

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

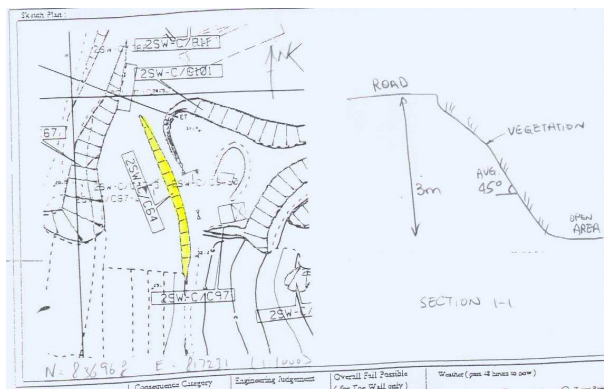
From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On: 18-03-2003

Weather: Mainly Fine

District: MW



Section No: 1-1

Height(m): H1 : 3 , H2 : 0

Type of Toe Facility: District open space

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category: 3

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: 3

Engineering Judgement: P

Sign of Seepage:	Slope : No sign of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : Minor (near crest, mid-portion) 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):	3
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

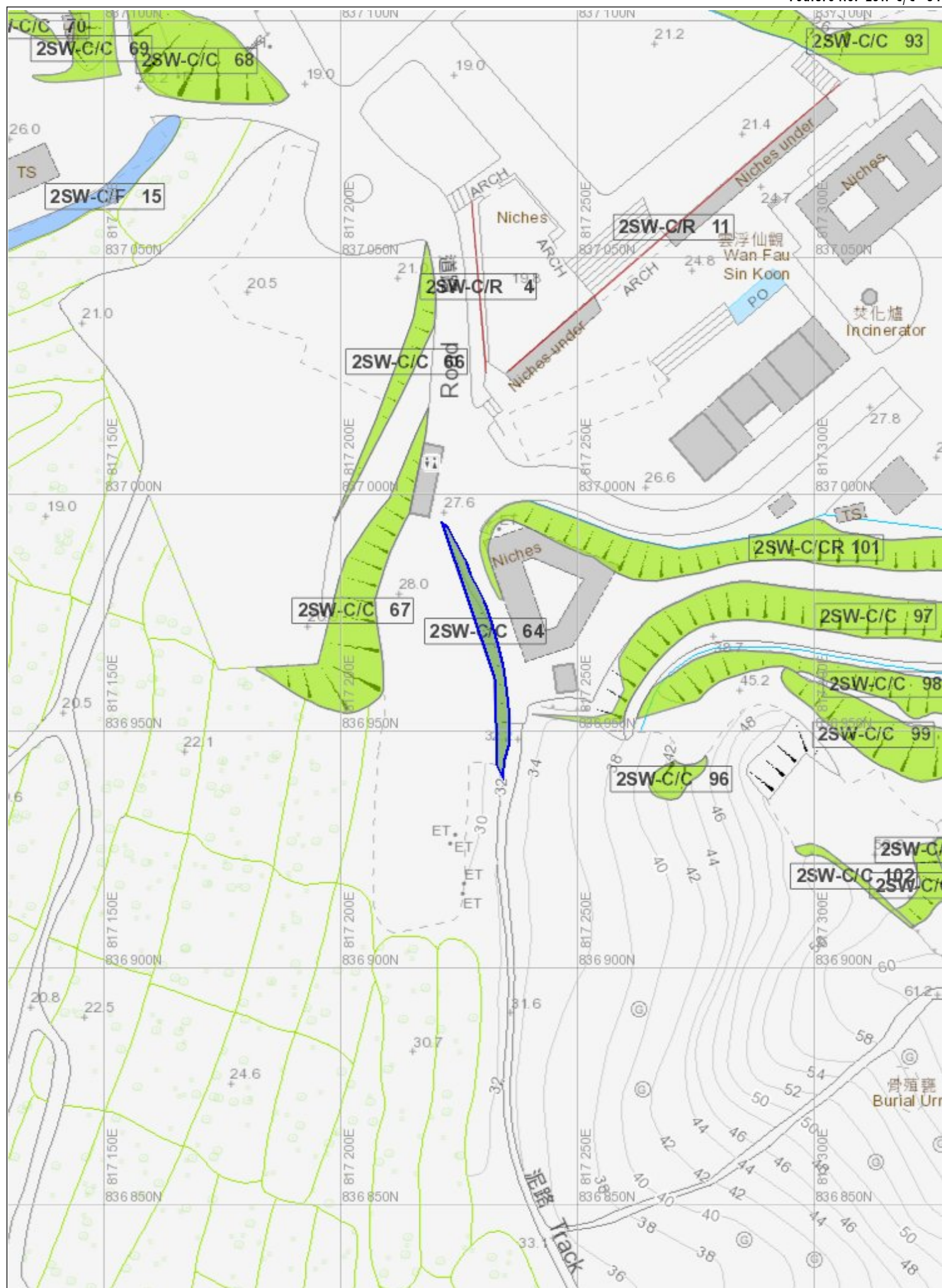
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	N
Action By:	N/A

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/
Modification:

Data Source: EI(Lands D)

Approximate Coordinates: Easting : 817216 Northing : 837032

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0.5

Facility at Toe: Road/footpath with very low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3.6 Length (m): 60 Average Angle (deg): 45

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 LOT 1857 S.A	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 16-06-2021
(2) Sub Div.: 2	Mixed Feature	Party: DD129 LOT 1855	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 16-06-2021
(3) Sub Div.: 3	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 5b(vi)	Reason Code: 62,90	MR Endorsement Date: 16-06-2021

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 01-11-2001
 Data Source: EI(Lands D)
 Slope Part Drainage: N/A

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: Decomposed granite
 Berm: No. of Berms: N/A Min. Berm Width (m): N/A
 Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3344 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: A 34472 (1993), A 34473 (1993)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 01-11-2001
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1993 After: 1991

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Road/footpath with very low traffic density

Distance from Toe(m): 0

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

Distance from Crest(m): 0.5

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

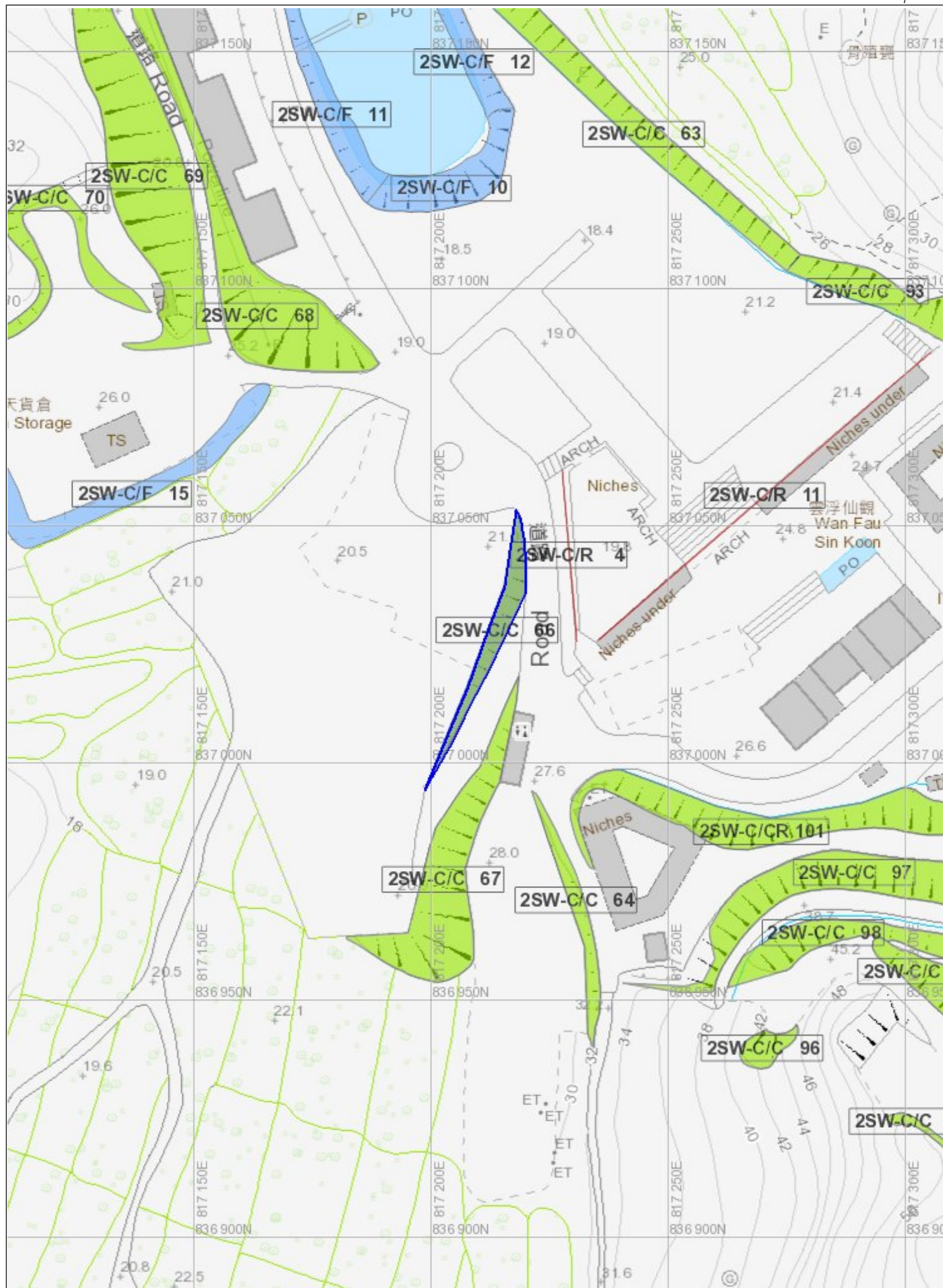
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Wan Fau Sin Koon, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/
Modification:

Data Source: AP

Approximate Coordinates: Easting : 817202 Northing : 836978

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Other thinly populated buildings

Distance of Facility from Crest (m): 2

Facility at Toe: Road/footpath with very low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 7.7 Length (m): 72 Average Angle (deg): 36

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 LOT 1854A	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 22-06-2012
(2) Sub Div.: 2	Mixed Feature	Party: DD129 LOT 1822B	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 22-06-2012
(3) Sub Div.: 3	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 22-06-2012
(4) Sub Div.: 3	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 22-06-2012
(5) Sub Div.: 4	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1	Reason Code: 3	MR Endorsement Date: 22-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 02-05-2013
 Data Source: AP
 Slope Part Drainage: (1) Position: Crest Size(mm): 225

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
 Surface Protection (%): Bare: 0 Vegetated: 85 Chunam: 0 Shotcrete: 15 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): 75 Spacing (m): 1.5



WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_1326 Part: 0 Checking Status: Feature modified/upgraded to current standard Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A6
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: A34472 (1993), A 34473 (1993)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 02-05-2013
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1993 After: 1991

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Road/footpath with very low traffic density

Distance from Toe(m): 0

Type of Crest Facility: Other thinly populated buildings

Distance from Crest(m): 2

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

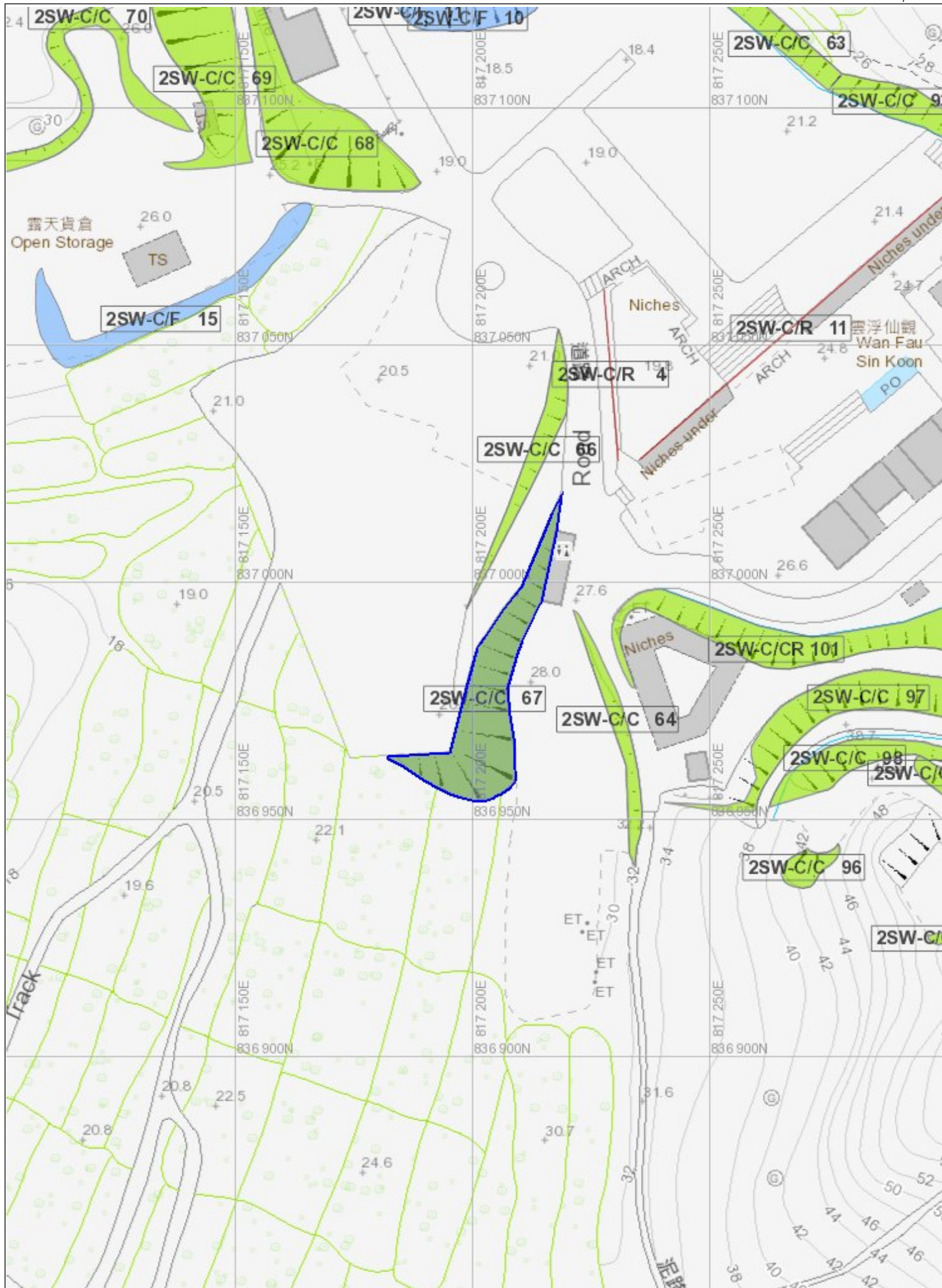
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: New Temple, Wan Fau Sin Koon, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (LPMit)

Date of Formation: post-1977

Date of Construction/
Modification: 24-04-2013

Data Source: Districts

Approximate Coordinates: Easting : 817154 Northing : 837120

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with very low traffic density

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

(1) Max. Height (m): 6 Length (m): 103 Average Angle (deg): 35

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 28-07-2016
(2) Sub Div.: 1	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 28-07-2016
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5a	Reason Code: 3,47	MR Endorsement Date: 28-07-2016

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 31-07-2013
Data Source: Districts
Slope Part Drainage: (1) Position: Crest Size(mm): 450
(2) 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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3345 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1981), 39310 (1981)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 31-07-2013
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1979

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Temple

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

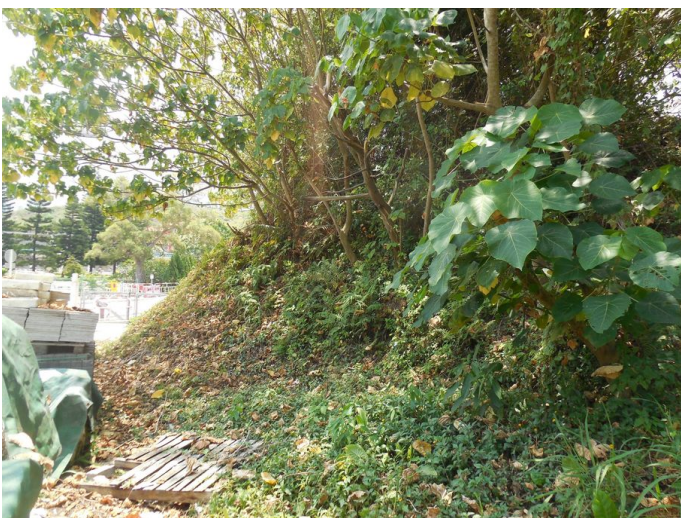
Check / repair Services:

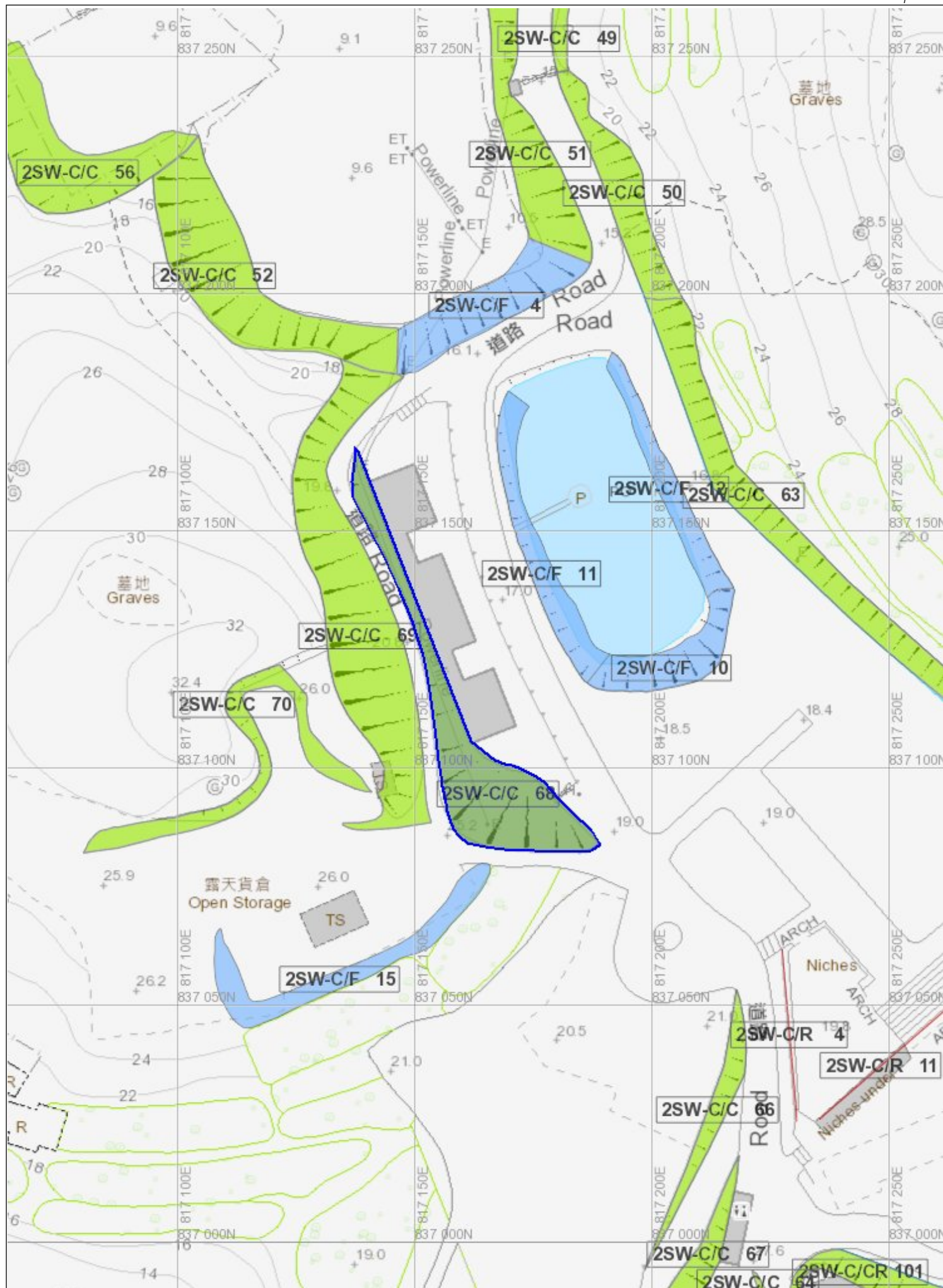
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Wan Fau Sin Koon, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/
Modification: 16-09-2010

Data Source: AP

Approximate Coordinates: Easting : 817325 Northing : 837094

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Columbarium

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 135 Average Angle (deg): 35

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi) Reason Code: 59 MR Endorsement Date: 05-06-2012
(2) Sub Div.: 0 Mixed Feature Party: STT1345 Agent: N/A Land Cat.: 1,5b(vi) Reason Code: 3 MR Endorsement Date: 05-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 27-02-2013
Data Source: AP
Slope Part Drainage: (1) Position: Crest Size(mm): 375
(2) Position: Toe Size(mm): 600

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 85 Chunam: 15 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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3347 Part: 1 Checking Status: Feature to be modified/upgraded to current standard Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22B1
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: A 24888 (1990), A 24891 (1990)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 27-02-2013
Date of Construction, Subsequent
Modification and Demolition: N/A

Related Reports/Files or Documents:

File/Report: DLC/BC	Ref. No.: GCMW 4/1C/2-2 pt.19 f(13,14,17,22)
File/Report: DLC/BC	Ref. No.: GCMW 4/1C/2-2 pt.19 f(13,14,17,22)
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: LA	Ref. No.: GCMW 5/3/10(W) pt.6 f(55,60)
File/Report: LA	Ref. No.: GCMW 5/3/10(W) pt.6 f(55,60)

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Columbarium

Distance from Toe(m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

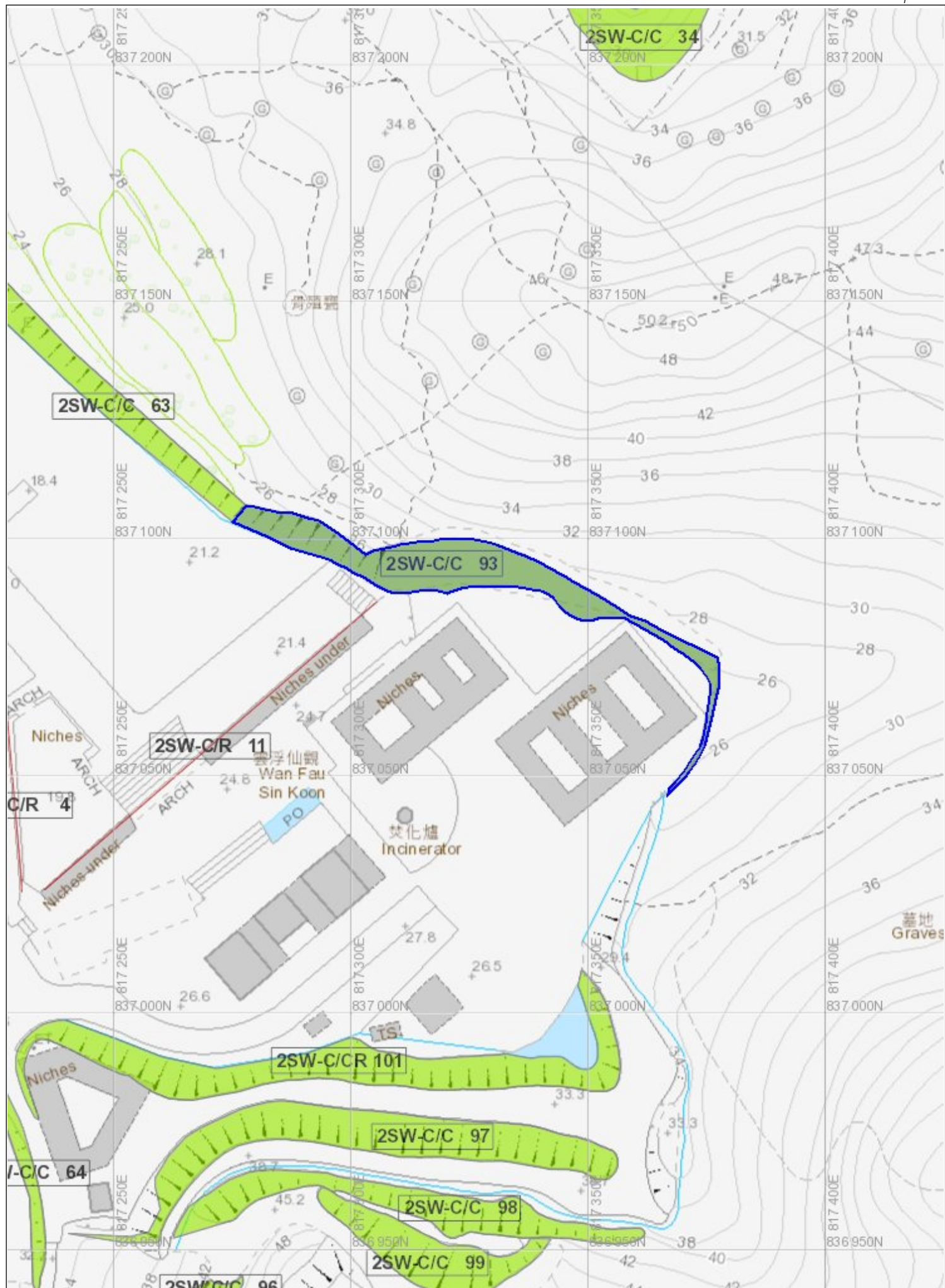
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: South of Wan Fau Koon Temple, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/
Modification:

Data Source: EI(Lands D)

Approximate Coordinates: Easting : 817270 Northing : 836939

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Cemetery

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 10 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 07-12-1999

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 07-11-2001
Data Source: EI(Lands D)
Slope Part Drainage: N/A

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: Other geology
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A



CHECKING STATUS INFORMATION

Tagmark: SCS_3350 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: N/A
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: N/A

Nearest Rainguage Station
(Station Number): ()

Data Collected On: 07-11-2001
Date of Construction, Subsequent
Modification and Demolition: N/A

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Cemetery

Distance from Toe(m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

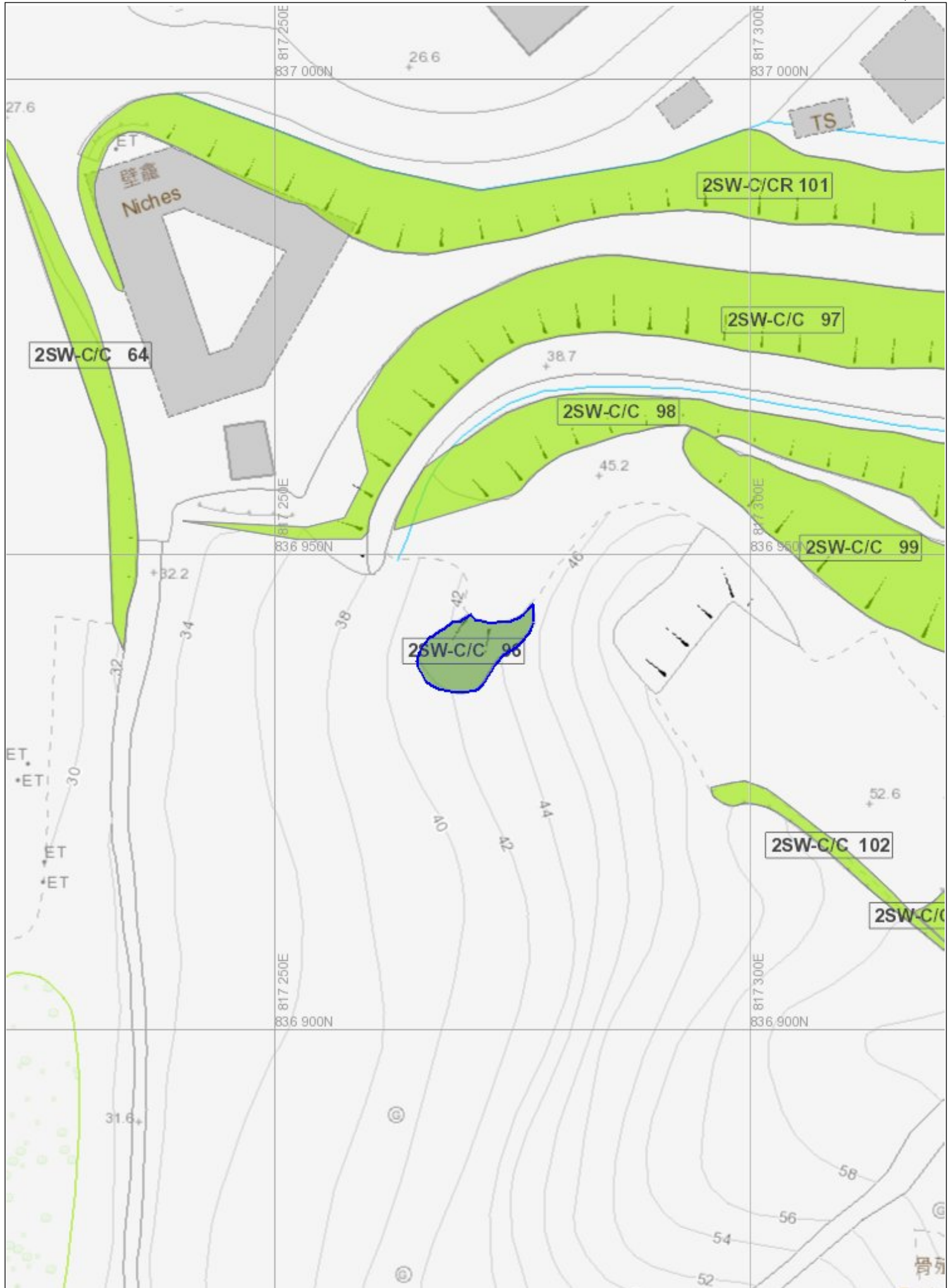
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Wan Fau Sin Koon, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/
Modification: 16-11-2012

Data Source: AP

Approximate Coordinates: Easting : 817297 Northing : 836977

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with very low traffic density

Distance of Facility from Crest (m): 0.5

Facility at Toe: Road/footpath with very low traffic density

Distance of Facility from Toe (m): 0.6

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6.4 Length (m): 130 Average Angle (deg): 40

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 12-06-2015
(2) Sub Div.: 1	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 12-06-2015
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5a	Reason Code: 3,48	MR Endorsement Date: 12-06-2015

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 04-01-2013

Data Source: AP

Slope Part Drainage:

(1)	Position: Crest	Size(mm): 375
(2)	Position: On slope	Size(mm): 375
(3)	Position: Toe	Size(mm): 375

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0 Vegetated: 85 Chunam: 0 Shotcrete: 15 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

N/A

SERVICES

N/A



CHECKING STATUS INFORMATION

Tagmark: SCS_1327 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22B4
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: 24540 (1978), 24541 (1978)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 04-01-2013
Date of Construction, Subsequent
Modification and Demolition: N/A

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

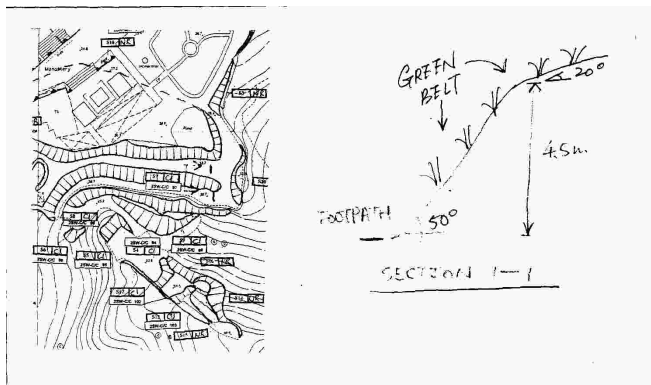
From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On: 12-03-1998

Weather: Some Rain

District: MW



Section No: 1-1

Height(m): H1 : 5 , H2 : 0

Type of Toe Facility: Road/footpath with very low traffic density

Distance from Toe(m): 0.6

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

Distance from Crest(m): 0.5

Consequence Category: 3

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: 3

Engineering Judgement: P

Sign of Seepage:	Slope : No signs of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : Reasonable (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):	3
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: Wan Fau Sin Koon, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/
Modification: 16-11-2012

Data Source: AP

Approximate Coordinates: Easting : 817319 Northing : 836959

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0.6

Facility at Toe: Road/footpath with very low traffic density

Distance of Facility from Toe (m): 0.6

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6.8 Length (m): 115 Average Angle (deg): 38

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 12-06-2015
(2) Sub Div.: 1	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 12-06-2015
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1	Reason Code: 3	MR Endorsement Date: 12-06-2015

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	04-01-2013
Data Source:	AP
Slope Part Drainage:	(1) Position: Crest Size(mm): 375
	(2) Position: On slope Size(mm): 375
	(3) Position: Toe Size(mm): 375
Wall Part Drainage:	N/A

SLOPE PART

Slope Part (1)	
Surface Protection (%):	Bare: 0 Vegetated: 95 Chunam: 0 Shotcrete: 5 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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_1328 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22B4
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: 24540 (1978), 24541 (1978)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 04-01-2013
Date of Construction, Subsequent
Modification and Demolition: N/A

Related Reports/Files or Documents:

File/Report: DLC/BC	Ref. No.: GCMW 4/1C/2-2 PT.19 F(13,14,17,22)
File/Report: DLC/BC	Ref. No.: GCMW 4/1C/2-2 PT.19 F(13,14,17,22)
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95

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

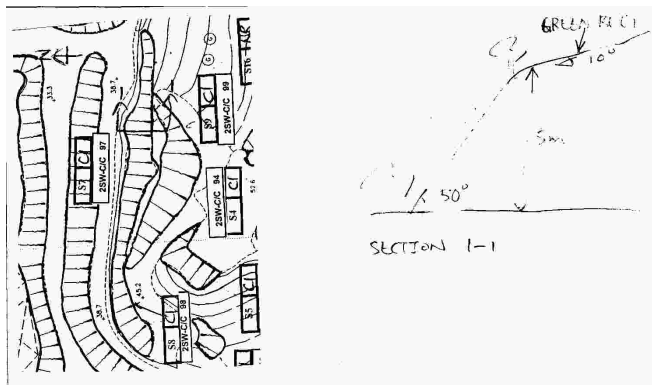
From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On: 11-03-1998

Weather: Some Rain

District: MW



Section No: 1-1

Height(m): H1 : 5 , H2 : 0

Type of Toe Facility: Road/footpath with very low traffic density

Distance from Toe(m): 0.6

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0.6

Consequence Category: 3

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: 3

Engineering Judgement: P

Sign of Seepage:	Slope : No signs of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : Reasonable (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):	3
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

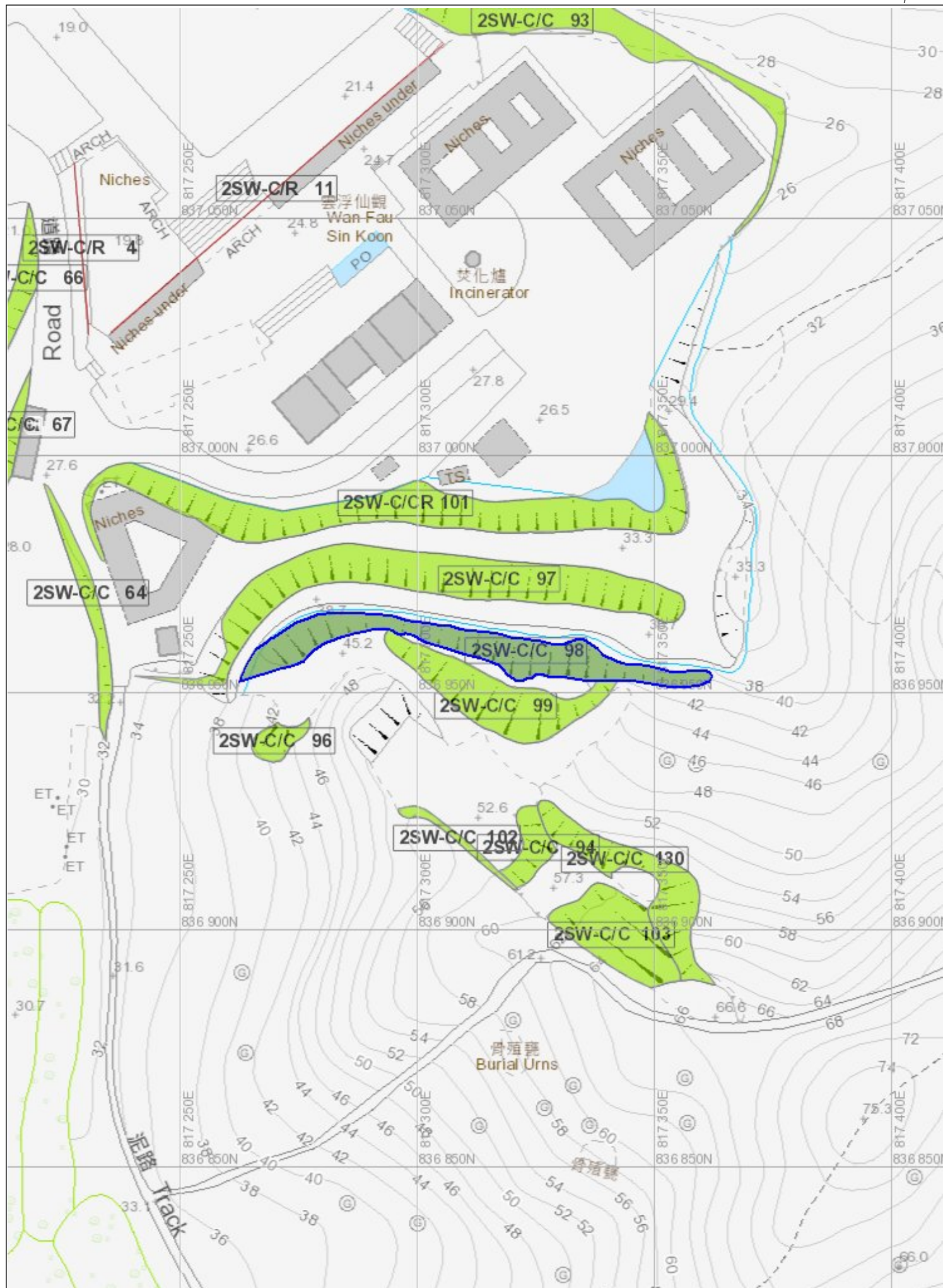
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: WAU FAU SIN KOON, LAU FAU SHAN, YUEN LONG

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/

Modification:

Data Source: SIRST

Approximate Coordinates: Easting : 817318 Northing : 836948

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Undeveloped green belt

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 9 Length (m): 62 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 20-06-2012
(2) Sub Div.: 0	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 11-02-1998
Data Source: SIRST
Slope Part Drainage: N/A

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: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3351 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22B4
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: 24540 (1978), 24541 (1978)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 11-02-1998
Date of Construction, Subsequent
Modification and Demolition: N/A

Related Reports/Files or Documents: File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-2 pt.19 f(13,14,17,22)
File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-2 pt.19 f(13,14,17,22)
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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

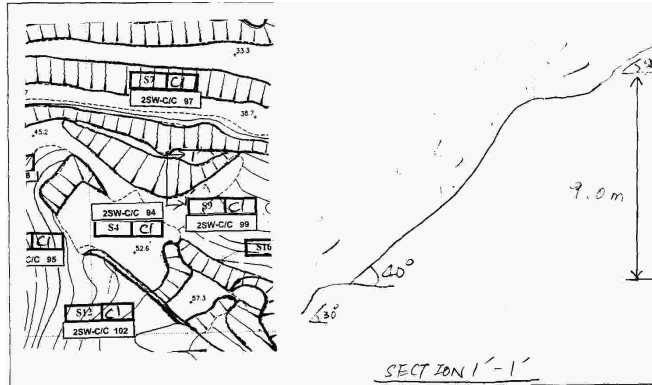
From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On: 11-02-1998

Weather: Some Rain

District: MW



Section No: 1-1

Height(m): H1 : 9 , H2 : 0

Type of Toe Facility: Undeveloped green belt

Distance from Toe(m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category: 3

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: 3

Engineering Judgement: P

Sign of Seepage:	Slope : No signs of seepage Wall : N/A
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):	3
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

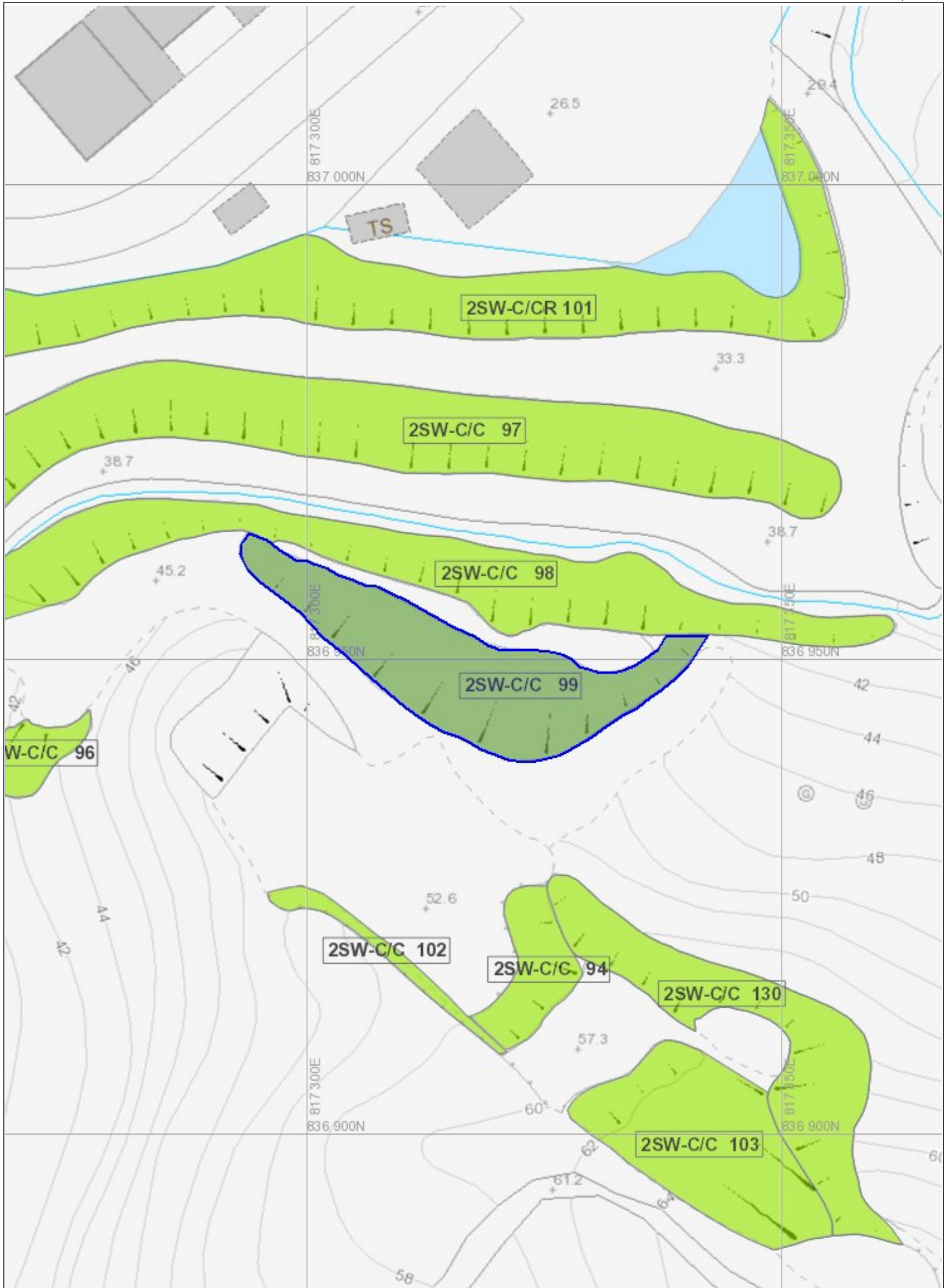
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: WAN FAU SIN KOON, LAU FAU SHAN

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/
Modification:

Data Source: EI(Lands D)

Approximate Coordinates: Easting : 817300 Northing : 836989

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Other non-crowded built-up facilities

Distance of Facility from Crest (m): 2

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 160 Average Angle (deg): 55

WALL PART

(1) Max. Height (m): 1 Length (m): 8.6 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 26-08-2010
(2) Sub Div.: 0	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 26-08-2010

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	15-05-2013
Data Source:	El(Lands D)
Slope Part Drainage:	(1) Position: Crest Size(mm): 200 (2) Position: On slope Size(mm): 300 (3) 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): 75 Spacing (m): 1.5

SERVICES

N/A



CHECKING STATUS INFORMATION

Tagmark: SCS_1329 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22B4
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: 24540 (1978), 24541 (1978)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 15-05-2013
Date of Construction, Subsequent
Modification and Demolition: N/A

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: Agreement No.: CE48/2006 Report No.: S2R8/2009

ENHANCED MAINTENANCE INFORMATION

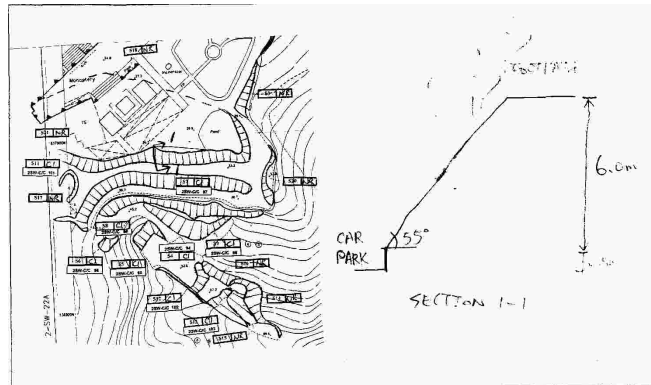
From Maintenance Department: (Last Updated Date: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On: 12-03-1998

Weather: Some Rain

District: MW



Section No: 1-1

Height(m): H1 : 6 , H2 : 0

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

Type of Crest Facility: Other non-crowded built-up facilities

Distance from Crest(m): 2

Consequence Category: 2

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: 2

Engineering Judgement: P

Sign of Seepage:	Slope : Signs of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : Reasonable (near crest, mid-portion) 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):	2
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

eLPMIS

LPM/LPMit Details Report

LPM Study Feature No.: 2SW-C/C 101

Location: WAN FAU SIN KOON, LAU FAU SHAN

District Council: Yuen Long

Maintenance Responsibility (At the Time of Selection): Private

Responsible Party for Maintenance of Government Portion: N/A

Private Lot No.: N/A

LPM/LPMit Study

Agreement No.: CE48/2006

Study Type: Stage 2 Study

Consultant: Halcrow China Ltd.

GEO Managing Section / Engineer: SS / SS2

Study Status: Study completed

Design Approach: N/A

Option Assessment Accepted: N/A

Study Report No.: S2R8/2009

Programme / Actual Commencement: 24-06-2008

Programme / Actual Completion: 26-03-2010

Report Recommendation (For Stage 2 Study): No action required

District Check Status: Exempted from checking

Checking Certificate No.: N/A

GEO Engineer's Remarks: N/A

LPM/LPMit Works

Works Contract No.: N/A

GEO Managing Section / Engineer: N/A / N/A

Contractor: N/A

Progress Status: N/A

Reason of Study Termination / Works Deletion (If Necessary): N/A

Forecast Commencement Date: N/A

Forecast Completion Date: N/A

Completion Cert. Issued: N/A

Site Handed Over to Maintenance Department on: N/A

Estimated Cost for Upgrading (HK\$M): N/A

Maintenance Manual No.: N/A

Actual Works: N/A

No. of Tree Felled: N/A

No. of Tree Planted (Incl. Transplant): N/A

% Bare of Slope Surfacing: N/A

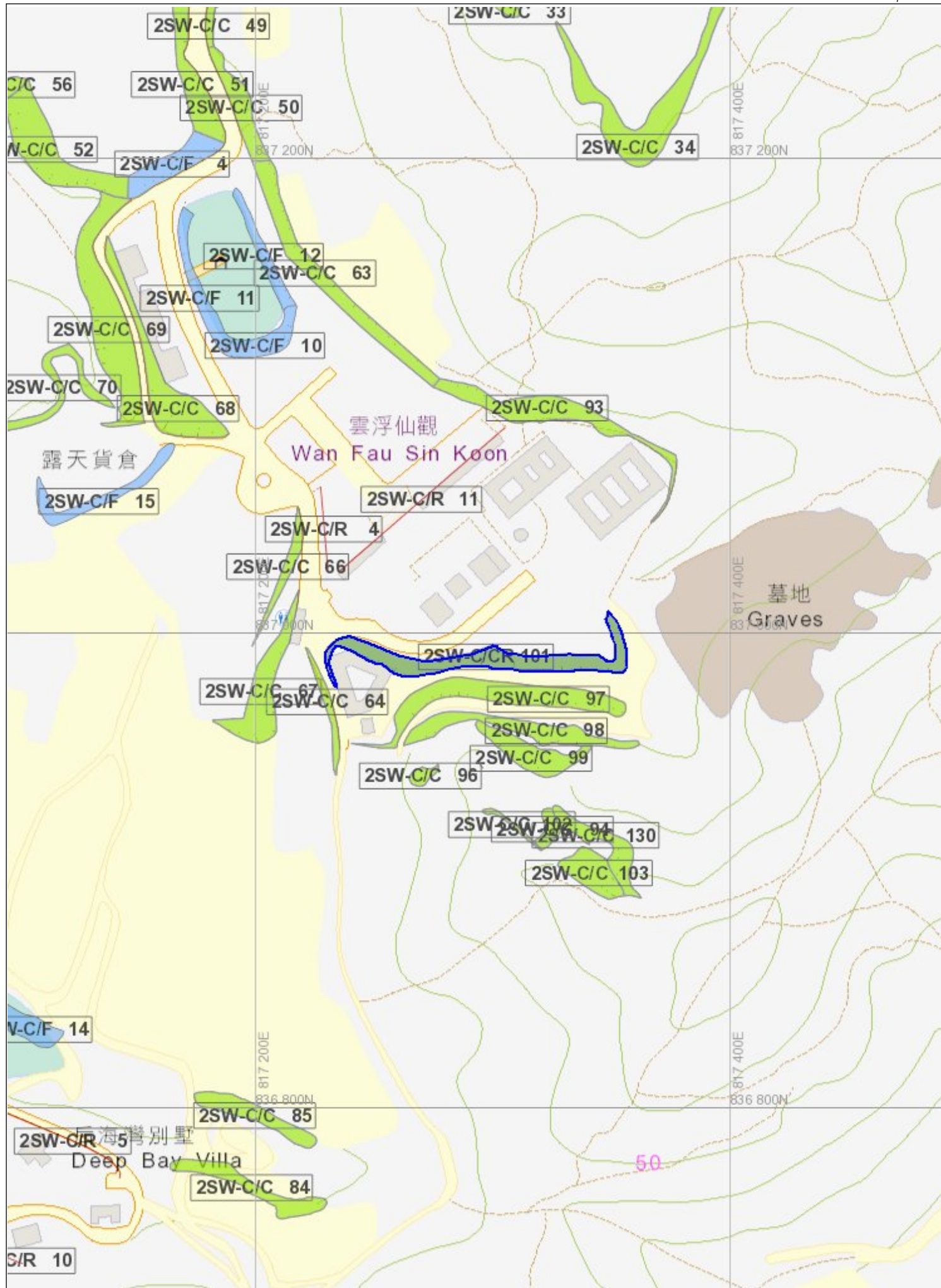
% Vegetated of Slope Surfacing: N/A

% Shotcrete of Slope Surfacing: N/A

Other Hard Surface of Slope Surfacing: N/A

PHOTO







SLOPE INFORMATION SYSTEM

GEOTECHNICAL ENGINEERING OFFICE

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

LPM Stage 2 / 3 Study

Name	Value
LPM/LPMit Details (CE48/2006)	
LPM Study Feature No.	2SW-C/C 101
Location	WAN FAU SIN KOON, LAU FAU SHAN
District Council	Yuen Long
Maintenance Responsibility (at the time of selection)	Private
Responsible Party for maintenance of Government portion	N/A
Private Lot No.	N/A
LPM/LPMit Study	
Agreement No.	CE48/2006
Study Type	Stage 2 Study
Consultant	Halcrow China Ltd.
GEO Managing Section / Engineer	SS/SS2
Study Status	Study completed
Design Approach	N/A
Option Assessment Accepted	N/A
Study Report No.	S2R8/2009
Programme / Actual Commencement	24-06-2008
Programme / Actual Completion	26-03-2010
Report Recommendation (for stage 2 study)	No action required
District Check Status	Exempted from checking
Checking Certificate No.	N/A
GEO Engineer's Remarks	N/A
LPM/LPMit Works	
Works Contract No.	N/A
GEO Managing Section / Engineer	N/A/N/A
Contractor	N/A
Progress Status	N/A
Reason of Study Termination / Works Deletion (if necessary)	N/A
RECORDS RETRIEVED FROM SIS	ON 28/07/2022 09:11
Forecast Completion Date	N/A



SLOPE INFORMATION SYSTEM

GEOTECHNICAL ENGINEERING OFFICE

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Name	Value
Maintenance Manual No.	N/A
Actual Works	N/A
No. of Tree Felled	N/A
No. of Tree Planted (incl. transplant)	N/A
% Bare of Slope Surfacing	N/A
% Vegetated of Slope Surfacing	N/A
% Shotcrete of Slope Surfacing	N/A
Other Hard Surface of Slope Surfacing	N/A
Study Report	
S2R008/2009	Open Link

**FEATURE NO. 2SW-C/C101
STT NO. STT1345
WAN FAU SIN KOON,
LAU FAU SHAN**

**Prepared by
HALCROW CHINA LTD**

Disclaimer for the Release of Stage 2 Study Report

1. This Report summarizes the findings of a Stage 2 Study on Feature No. 2SW-C/C101.
2. The main objective of this Stage 2 Study is to confirm whether prima facie evidence on the feature can be established for serving a Dangerous Hillside Order under the Buildings Ordinance. This Study is not a detailed investigation to confirm whether or not the feature meets current safety standards. If the owners or the maintenance parties of the feature wish to confirm whether the feature meets current safety standards, they should engage a professionally qualified geotechnical engineer to carry out a Stability Assessment in accordance with Geoguide 5 : “Guide to Slope Maintenance” published by the Geotechnical Engineering Office of the Civil Engineering and Development Department.
3. The information, descriptions, presentation, findings, interpretation, etc. contained in this Report are subject to a number of limitations, including but not limited to the approach used and assumptions made in the study, the methods adopted in data collection, and the site conditions at the time of inspection. The Government makes no warranty on the accuracy or correctness of any information, description, representation, findings, interpretation, etc. (“the information”) in this Report.
4. The owners or the maintenance parties of the feature should not rely solely on the information contained herein in deciding whether or not to undertake any planning/ study/ construction/ remedial/ maintenance works or any other works which concern the safety of the feature. If they rely solely on the information contained in this Report, they are doing so entirely at their own risk. They should also obtain specialist professional advice to assist in interpreting the information provided in the Report.
5. The Government will under no circumstances whatsoever be responsible for or held responsible or liable for any loss or damage to any property or any injury suffered by or death occasioned to any person which may howsoever arise either directly or indirectly as a result of or incidental to using any of the information contained in this Report.

第二階段研究報告免責聲明

1. 本報告總結斜坡編號 2SW-C/C101 第二階段研究的結果。
2. 本第二階段研究的主要目的是確定上述斜坡有否足夠表面證據，可以根據《建築物條例》發出危險斜坡修葺令。本研究不是一項詳細勘測，以確定斜坡是否符合現行安全標準。斜坡業主或負責維修人士如欲確定斜坡是否符合現行安全標準，應聘用合資格的專業岩土工程師按照土木工程拓展署土力工程處出版的《岩土指南》第五冊：《斜坡維修指南》進行穩定性評估。
3. 本報告所載的資訊、描述、陳述、研究結果、詮釋等均受到若干限制。這些限制包括但不限於研究方法和所作的設定、收集數據的方法，以及勘測時場地的情況。政府不保證本報告所載的資訊、描述、陳述、研究結果、詮釋等(下稱“資料”)均準確無誤。
4. 斜坡業主或負責維修人士不應單憑本報告所載的資料決定是否進行任何與斜坡安全有關的規劃／研究／建造／補救／維修工程或其他工程。他們若單憑本報告的資料作出決定，須自行承擔所有風險。他們亦應向專家尋求專業意見，協助詮釋本報告所提供的資料。
5. 如因使用本報告所載的任何資料而直接或間接導致或引致任何財物損失或損毀或任何人士傷亡，政府在任何情況下均無須負責或負上任何法律責任。

Stage 2 Study Report
CHECKING CERTIFICATE
Feature No. 2SW-C/C101

Agreement No. & Title : CE 48/2006 (GE)
10-Year Extended LPM Project
Phase 7, Package K
Stability Studies of Private Slopes
in Hong Kong and New Territories - Investigation

Stage 2 Study Report Title : Feature No. 2SW-C/C101
STT No. STT1345
Wan Fau Sin Koon,
Lau Fau Shan

Consulting Engineers : Halcrow China Ltd.

1. I certify that this Stage 2 Study complies with the standards and requirements set out in the Agreement and with amendments agreed by the Director's Representative.
2. I confirm that I have independently checked this Stage 2 Study Report. All reasonable and professional skill, care and diligence have been exercised.

Signed

Name

Professional Qualifications

Date



Ir Gerry Daughton
Independent Checking Engineer

CHKIE FGS CGeol RPE(G)

20/3/12

Name of Client GEOTECHNICAL ENGINEERING OFFICE

Agreement No. & Title CE 48/2006 (GE)
10-Year Extended LPM Project
Phase 7, Package K
Stability Studies of Private Slopes
in Hong Kong and New Territories - Investigation

Document Title STAGE 2 STUDY REPORT
Feature No. 2SW-C/C101
STT No. STT1345
Wan Fau Sin Koon,
Lau Fau Shan

Month: March

Year: 2012

Prepared by S T Tsui

Signed

Date

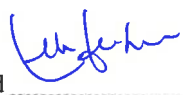

3/12

Checked and Approved by

John Luk

Signed

Date


3/12

Revision record (optional)

Revision number	Date	Description	Prepared	Checked	Approved

FOREWORD

Short Term Tenancy No. STT1345

This report presents the findings of a safety screening study carried out on Feature No. **2SW-C/C101** located at Wan Fau Sin Koon, Lau Fau Shan. Based on the relevant Systematic Identification of Maintenance Responsibility of Slopes in the Territory (SIMAR) reports, the tenants of STT1345 are responsible for the routine maintenance of the feature whereas the Lands Department (Lands D) is responsible for the upgrading and improvement of the feature.

Apart from the study feature, there are fifteen other features, namely Feature Nos. 2SW-C/C50, 2SW-C/C63, 2SW-C/C64, 2SW-C/C67, 2SW-C/C68, 2SW-C/C93, 2SW-C/C97, 2SW-C/C98, 2SW-C/C99, 2SW-C/F10, 2SW-C/F11, 2SW-C/F12, 2SW-C/F13, 2SW-C/R4 and 2SW-C/R11, also lie partly or wholly within STT No. STT1345.

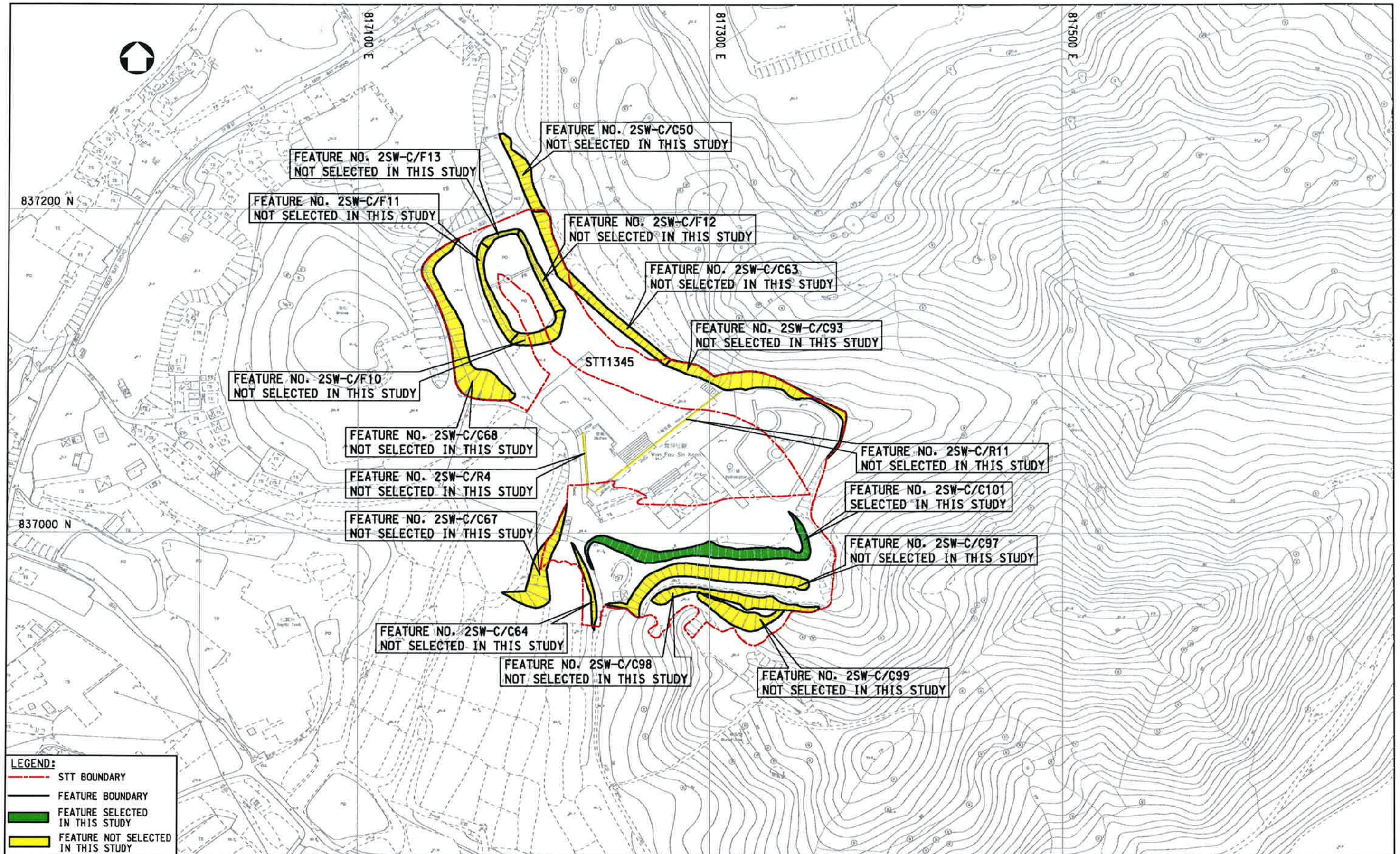
The following table summarizes the study status and maintenance responsibilities of the features:

Feature No.	Included in this Safety Screening Study	Sub-division No. stated in SIMAR report	Maintenance Responsibility	Reasons for not selected for study
2SW-C/C101	Yes	-	Lands D & STT1345	-
2SW-C/C50	No	1	Lands D	G
		2	STT1345	
2SW-C/C63	No	1	STT1345	G
		2	DD129 Lot 771	
2SW-C/C64	No	-	STT1345	G
2SW-C/C67	No	1	STT1345	G
		2	DD129 Lot1854A	
		3	DD129 Lot1822B	
2SW-C/C68	No	-	STT1345	G
2SW-C/C93	No	-	STT1345	G
2SW-C/C97	No	-	STT1345	G
2SW-C/C98	No	-	STT1345	G
2SW-C/C99	No	-	STT1345	G
2SW-C/F10	No	1	DD129 Lot1859	G
		2	STT1345	
2SW-C/F11	No	-	STT1345	G
2SW-C/F12	No	-	STT1345	G
2SW-C/F13	No	-	STT1345	G
2SW-C/R4	No	1	DD129 Lot1857	G
		2	STT1345	
2SW-C/R11	No	1	STT1345	G
		2	DD129 Lot1857	

Screen-out Code:

G - Do not meet the current selection criteria for study

A location plan of the feature is shown below:



This Study was undertaken by Halcrow China Ltd. (HCL) for the Geotechnical Engineering Office (GEO), Civil Engineering and Development Department under Agreement No. CE 48/2006 (GE). The scope of the Study includes desk study, site inspection, aerial photograph interpretation and stability analysis. No ground investigation work was undertaken for the Study.

FEATURE STUDIED IN THIS REPORT

Feature No. **2SW-C/C101** has been assessed based on the guidelines given in the relevant Works/Development Bureau Technical Circulars, GEO Circulars and other technical publications. The results of stability analysis indicate that the feature does not satisfy the requirements for the service of a Dangerous Hillside Order in accordance with GEO Circular No. 24. According to the SIMAR report, Lands Department is responsible for the upgrading and improvement of the feature. Hence, in accordance with GEO Circular No. 30, follow-up action on this feature should be undertaken by Government as appropriate.

The tenants of STT1345 are responsible for the routine maintenance of the feature. In view of the follow-up action recommended to Government and no routine maintenance works were identified during site inspection, no statutory action is recommended to the tenants of STT1345.

FEATURES NOT STUDIED IN THIS REPORT

Feature Nos. 2SW-C/C50, 2SW-C/C63, 2SW-C/C64, 2SW-C/C67, 2SW-C/C68, 2SW-C/C93, 2SW-C/C97, 2SW-C/C98, 2SW-C/C99, 2SW-C/F10, 2SW-C/F11, 2SW-C/F12, 2SW-C/F13, 2SW-C/R4 and 2SW-C/R11 have not been studied as part of this Stage 2 Study as they do not meet the current selection criteria for study.

Signed



Leonard Tang
Project Director
Halcrow China Ltd.

前言

短期租約編號：STT1345

本報告載有上述短期租約範圍內斜坡安全篩選勘察的資料及結果。所勘察的斜坡編號**2SW-C/C101**位於流浮山雲浮仙館。根據相關的系統性鑑辨本港斜坡維修責任(SIMAR)報告，短期租約編號STT1345之承租人需要負責該斜坡的例行維修，而地政總署則需要負責該斜坡的鞏固工程。

除以上斜坡外，還有十五幅擋土牆及斜坡編號2SW-C/C50, 2SW-C/C63, 2SW-C/C64, 2SW-C/C67, 2SW-C/C68, 2SW-C/C93, 2SW-C/C97, 2SW-C/C98, 2SW-C/C99, 2SW-C/F10, 2SW-C/F11, 2SW-C/F12, 2SW-C/F13, 2SW-C/R4 及2SW-C/R11的全部或部分位於短期租約編號STT1345之範圍以內。

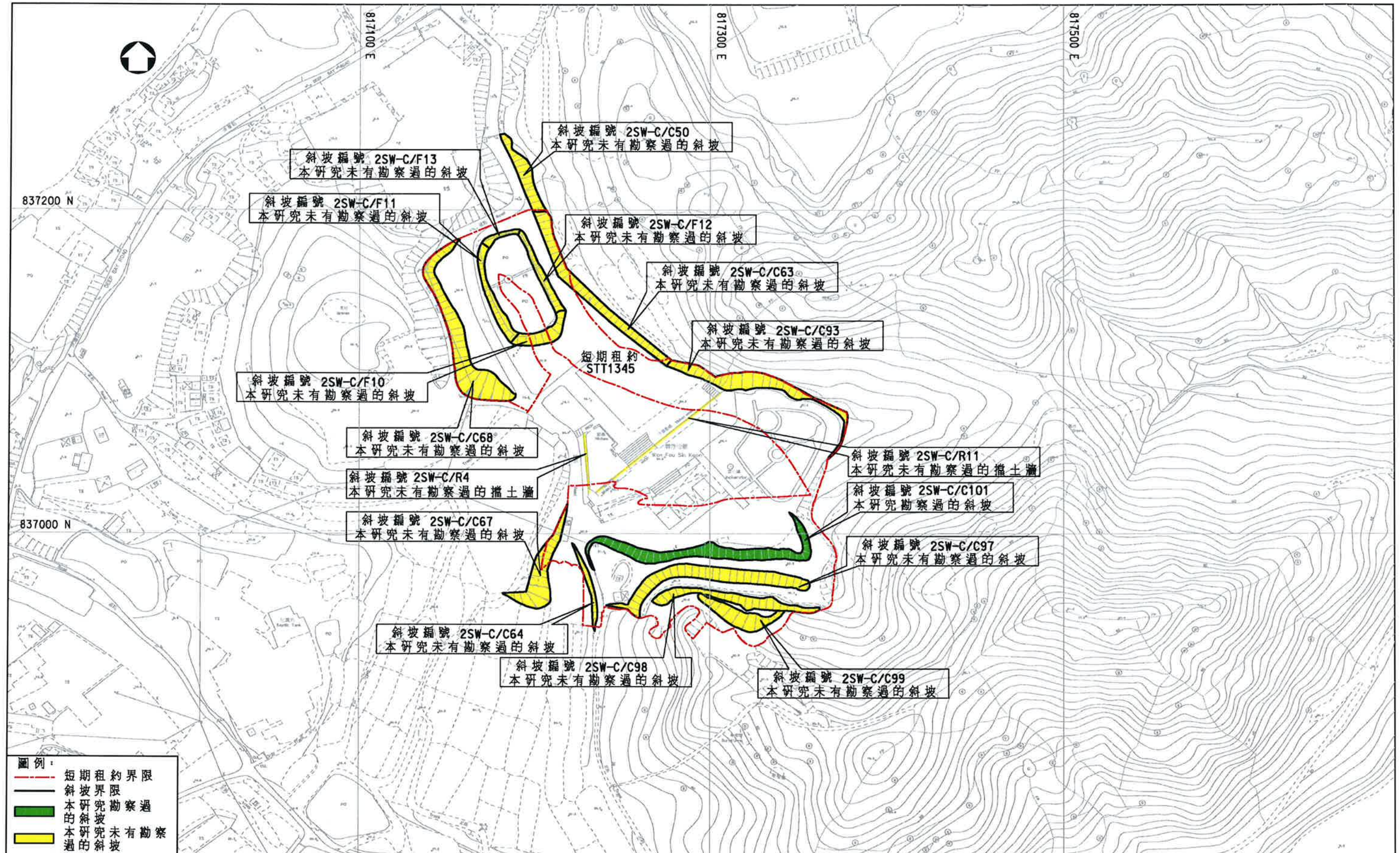
上述斜坡的勘察和維修責任概況列於下表：

斜坡編號	有否在本研究中進行安全篩選勘察	SIMAR報告的劃分編號	維修責任	不進行研究的原因
2SW-C/C101	Yes	-	地政總署及STT1345	-
2SW-C/C50	No	1	地政總署	G
		2	STT1345	
2SW-C/C63	No	1	STT1345	G
		2	DD129 Lot 771	
2SW-C/C64	No	-	STT1345	G
2SW-C/C67	No	1	STT1345	G
		2	DD129 Lot1854A	
		3	DD129 Lot1822B	
2SW-C/C68	No	-	STT1345	G
2SW-C/C93	No	-	STT1345	G
2SW-C/C97	No	-	STT1345	G
2SW-C/C98	No	-	STT1345	G
2SW-C/C99	No	-	STT1345	G
2SW-C/F10	No	1	DD129 Lot1859	G
		2	STT1345	
2SW-C/F11	No	-	STT1345	G
2SW-C/F12	No	-	STT1345	G
2SW-C/F13	No	-	STT1345	G
2SW-C/R4	No	1	DD129 Lot1857	G
		2	STT1345	
2SW-C/R11	No	1	STT1345	G
		2	DD129 Lot1857	

篩選準則:

G 不符合現行的選擇標準作進一步研究

以下是上述斜坡的平面分佈圖：



本研究是由土木工程拓展署土力工程處委託合樂中國有限公司對私人負責維修的斜坡進行研究，顧問合約編號為 CE48/2006 (GE)。本研究內容包括資料搜查、現場視察、航空照片解譯和穩定性分析，但不包括岩土勘探工作。

本報告研究過的斜坡

根據發展局/前工務局和土力工程處的技術指引及其他技術資料對斜坡編號**2SW-C/C101**作出穩定性評估。結果顯示根據土力工程處通告編號24，此斜坡並未符合發出危險斜坡修葺令之條件。然而，根據系統性鑑辨本港斜坡維修責任報告，地政總署應負責該斜坡的鞏固工程。因此根據土力工程處通告編號30之指引，政府應對此斜坡作出適當的跟進。

因短期租約編號STT1345的承租人只需要負責該斜坡的例行維修。鑑於已向政府建議對該斜坡作出適當的跟進，並且經過現場視察後，發現該斜坡並無作出例行維修的需要，故建議無需向短期租約編號STT1345之承租人採取法律行動。

本報告未有研究過的斜坡

斜坡編號2SW-C/C50, 2SW-C/C63, 2SW-C/C64, 2SW-C/C67, 2SW-C/C68, 2SW-C/C93, 2SW-C/C97, 2SW-C/C98, 2SW-C/C99, 2SW-C/F10, 2SW-C/F11, 2SW-C/F12, 2SW-C/F13, 2SW-C/R4 及2SW-C/R11因不符合現行的選擇標準作進一步研究，故此本第二階段研究未有對這些斜坡進行研究。

簽署



鄧國樑項目總監
合樂中國有限公司

CONTENTS

	Page No.
Title Page	1
FOREWORD	2
前言	5
CONTENTS	8
1. INTRODUCTION	10
1.1 Background	10
1.2 Site Description	10
1.3 Maintenance Responsibility (MR)	10
2. GEOTECHNICAL INVESTIGATION	11
2.1 Background/Desk Study	11
2.1.1 Aerial Photograph Interpretation (API)	11
2.1.2 Geotechnical Engineering Office (GEO)	11
2.1.3 Buildings Department (BD)	11
2.1.4 Existing Services	11
2.1.5 Geological Survey	11
2.1.6 Past Instability	12
2.2 Visual Inspection	12
3. GEOTECHNICAL ASSESSMENT	12
3.1 Topography	12
3.2 Geology and Geological Model	12
3.3 Groundwater Condition	13
3.4 Parameters for Analysis	13
3.5 Stability Analysis	13
3.6 Consequence-to-Life	13
4. DISCUSSION OF CALCULATED FACTORS OF SAFETY	14
5. CONCLUSIONS AND RECOMMENDATIONS	14
6. REFERENCES	14

LIST OF FIGURES

LIST OF PLATES

APPENDICES

APPENDIX	A	SYSTEMATIC IDENTIFICATION OF MAINTENANCE RESPONSIBILITY OF SLOPES IN THE TERRITORY (SIMAR) REPORT
APPENDIX	B	AERIAL PHOTOGRAPH INTERPRETATION (API) REPORT
APPENDIX	C	PHASE 2 SYSTEMATIC INSPECTION OF FEATURES IN THE TERRITORY (SIFT) STUDY
APPENDIX	D	SIS DATA SHEET & SIS PLAN
APPENDIX	E	BUILDING DEPARTMENT RECORD
APPENDIX	F	UTILITIES RECORDS
APPENDIX	G	PART PRINT OF 1:20 000 GEOLOGICAL MAP OF HONG KONG SHEET NO. 2
APPENDIX	H	STABILITY ANALYSIS OF SECTION 1-1
APPENDIX	I	STAGE 2 STUDY/LPM CHECKLIST

1 INTRODUCTION

1.1 Background

This report presents a Stage 2 Study on Feature No. **2SW-C/C101** located at Wan Fau Sin Koon, Lau Fau Shan. The feature lies wholly within STT1345.

This study does not include the stability checking of Feature Nos. 2SW-C/C50, 2SW-C/C63, 2SW-C/C64, 2SW-C/C67, 2SW-C/C68, 2SW-C/C93, 2SW-C/C97, 2SW-C/C98, 2SW-C/C99, 2SW-C/F10, 2SW-C/F11, 2SW-C/F12, 2SW-C/F13, 2SW-C/R4 and 2SW-C/R11 which also lie partly or wholly within STT No. STT1345. These features do not meet the current selection criteria for study.

The location of the feature in Hong Kong Grid Reference is listed as follow:

Feature No.	Hong Kong Metric Grid Co-ordinates
2SW-C/C101	817 300E, 836 989N

The location of the study feature is shown in Figure 1. The boundary of the study feature has been determined from the Slope Information System (SIS) plan obtained from the Geotechnical Engineering Office (GEO), SIMAR Report from the Lands Department and observations made during the site inspection.

This Stage 2 Study commenced in December 2008. The scope of the Study includes desk study, site inspection, aerial photograph interpretation and stability analysis. No ground investigation (GI) was carried out for this study.

1.2 Site Description

Feature No. **2SW-C/C101** is a 160m long cut slope with maximum height of about 5.5m and it is generally facing north. A footpath and an open car park are located at the crest and toe of the feature respectively. The detailed description of the feature is shown in Section 2.2 of this report.

1.3 Maintenance Responsibility

The maintenance responsibility of the study feature, according to the relevant Systematic Identification of Maintenance Responsibility of Slopes in the Territory (SIMAR) report (Appendix A), is listed as follows:

Feature No.	Sub-Division No. stated in SIMAR Report	Maintenance Responsibility	Remarks
2SW-C/C101		Lands Department	Responsible for Upgrading and Improvement
		STT1345	Responsible for Routine Maintenance

2 GEOTECHNICAL INVESTIGATION

2.1 Background/Desk Study

2.1.1 Aerial Photograph Interpretation (API)

Aerial photographs taken between 1945 and 2006 were examined. According to the API report (Appendix B), the feature was formed between 1975 and 1976. Wan Fau Sin Koon was constructed between 1976 and 1981. No evidence of past instability relevant to the study feature was identified. No evidence of the presence of boulders or natural drainage path affecting the study feature could be identified.

2.1.2 Geotechnical Engineering Office (GEO)

Phase 2 Systematic Inspection of Features in the Territory (SIFT) Study was carried out on the feature by the SIFT Consultant for the GEO in January 1998 (Appendix C). The report indicates that the feature (SIFT No. 2SW-22/B-S11) was formed between 1976 and 1978.

The SIS data sheet, SIS plan and Stage 1 Study Report for the study feature obtained from GEO are enclosed in Appendix D.

2.1.3 Buildings Department (BD)

There is no BD file relevant to the study feature. Copy of the correspondence from the BD stating that no records of approved building works on the subject Lot is enclosed in Appendix E.

2.1.4 Existing Services

Drainage Services Department (DSD) and Water Supplies Department (WSD) were requested to provide information on existing utilities/services located within or in the vicinity of the feature. With reference to the DSD record plan, there is storm water drain running along the toe of the study feature. With reference to the WSD record plan, there are no fresh water mains within or in the vicinity of the feature. The existing services plans are enclosed in Appendix F.

Water pipes located within the vicinity of study feature were noted during the site inspection. As no signs of leakage were observed, no leakage investigation is required.

2.1.5 Geological Survey

Based on the 1:20 000 Geological Map of Hong Kong Sheet No. 2 published by The Hong Kong Government (Appendix G), the area concerned is mainly underlain by fine-grained granite (gf).

2.1.6 Past Instability

No record of past instability related to the feature was identified from the available documents or files maintained by BD/GEO.

2.2 Visual Inspections

Visual inspections on the study feature were carried out in December 2008 and February 2012 respectively.

At the time of inspection in December 2008, the study feature was a 160m long cut slope and it was generally facing north. The maximum height of the slope was about 5.5m and the average slope angle was about 50°. The feature was mainly covered with vegetation exc(Plates 1 & 2). There was a 0.5m high concrete retaining wall located at the toe of the western portion of the feature. A 300mm U-channel was running along the toe of the wall. There were water mains running along the slope crest and across the slope with no signs of leakage observed. An open car park and a horticulture garden were located in front of the western and eastern portion of the feature respectively. There was a footpath located at the crest of the western portion of the feature (Plate 3) whereas a densely vegetated open area was located at the crest of the eastern portion of the feature. No signs of seepage or distress were noted during site inspection.

At the time of inspection in March 2011, no changes of the feature were observed except the western end portion of the feature was being modified with a new structure being constructed at its crest (Plates 4 & 5). No signs of seepage or distress were observed during the site inspection.

3 GEOTECHNICAL ASSESSMENT

3.1 Topography

Section 1-1 was selected for the stability analysis of the feature and the location of this section is shown in Figure 2. The location of this section is shown in Figure 2. The profile of this section was determined through direct measurement taken on site.

Section 1-1 consists of a slope of about 5.5m in height with a slope angle of 50° (Figure 3).

3.2 Geology and Geological Model

Based on the 1:20 000 Geological Map of Hong Kong (Appendix G), the area concerned is mainly underlain by fine-grained granite.

According to our site inspection, the study feature was mainly composed of completely decomposed granite (CDG). Hence, the study feature was assumed to consist of CDG only. The inferred geological profile for Section 1-1 is shown in Figures 3.

3.3 Groundwater Condition

No groundwater monitoring records exist for the study feature and no signs of seepage were observed on site. A groundwater level at one-third of the slope height was adopted to account for 1 in 10 year return period of rainfall.

3.4 Parameters for Analysis

In the absence of any relevant soil laboratory test data for the study feature, the slope material was inspected on site and it was found to be CDG. A shear strength parameters of $c' = 5 \text{ kPa}$ and $\phi' = 35^\circ$ which equal to the lower bound values of CDG as stipulated in Table 8 of the Geoguide 1, was conservatively adopted in this study. A summary of soil parameters adopted for stability analysis is tabulated below:

Soil Material	Shear Strength Parameters		Bulk Unit Weight
	c' (kPa)	ϕ' ($^\circ$)	γ (kN/m ³)
CDG	5	35	19

3.5 Stability Analysis

Slope stability analysis was carried out for Section 1-1 based on the inferred geological model, groundwater condition and shear strength parameters as discussed in Sections 3.2 to 3.4. Surcharge of 5kPa was applied at the crest of the feature to represent the loading of the footpath. The Morgenstern-Price Method in SLOPE/W Version 6.2 (BD reference No. G0138) was used for the stability analysis. The calculated Factor of Safety (FOS) are tabulated below:

Section	Slip Surface No.	FOS
1-1	1	1.404
	2	1.331
	3	1.384

The results of stability analysis for Sections 1-1 are presented in Figures 3 and the computer outputs of the stability analysis are enclosed in Appendix H.

3.6 Consequence-to-life

The consequence-to-life in the event of failure has been assessed in accordance with Table 3 of WBTC No. 13/99 and GEO Technical Guidance Note No. 15 (TGN 15). The feature has been assessed as Category 2 as failure of the feature would affect the open car park and horticulture garden at its toe.

4 DISCUSSION OF CALCULATED FACTORS OF SAFETY

In accordance with Criterion F as stated in GEO circular No. 24, the FOS calculated from a stability assessment without site-specific GI for slope having significant consequence-to-life in the event of failure shall not be less than 1.20.

The results of the slope stability analysis for Section 1-1 indicate that the calculated minimum FOS is 1.331.

5 CONCLUSIONS & RECOMMENDATIONS

Feature No. **2SW-C/C101** does not satisfy the requirements for the service of a Dangerous Hillside Order in accordance with GEO Circular No. 24. According to the SIMAR report, Lands Department is responsible for the upgrading and improvement of the feature. Hence, in accordance with GEO Circular No. 30, follow-up action on this feature should be undertaken by Government as appropriate.

The tenants of STT1345 are responsible for the routine maintenance of the feature. In view of the follow-up action recommended to Government and no routine maintenance works were identified during site inspection, no statutory action is recommended to the tenants of STT1345.

The extent of the feature subject to follow-up action by Government is coloured blue in Figure 4.

6 REFERENCES

Geotechnical Engineering Office (1998). Phase 2 Systematic Inspection of Features in the Territory (Phase 2 SIFT) Study.

Geotechnical Engineering Office (1984). Geotechnical Manual for Slopes. (Second Edition)

Geotechnical Engineering Office (1993). Geoguide 1 : Guide to Retaining Wall Design.

GEO Circular No. 24 (2010). Dangerous Hillside Orders and Advisory Letters.

GEO Circular No. 30 (2009). Stage 1 and Stage 2 Geotechnical Studies of Slopes and Retaining Walls.

Work Bureau Technical Circular No. 13/99. Geotechnical Manual for Slopes - Guidance on Interpretation and Updating.

GEO Technical Guidance Note No. 15 (TGN 15). Guidelines for Classification of Consequence-to-Life Category for Slope Features.

LIST OF FIGURES

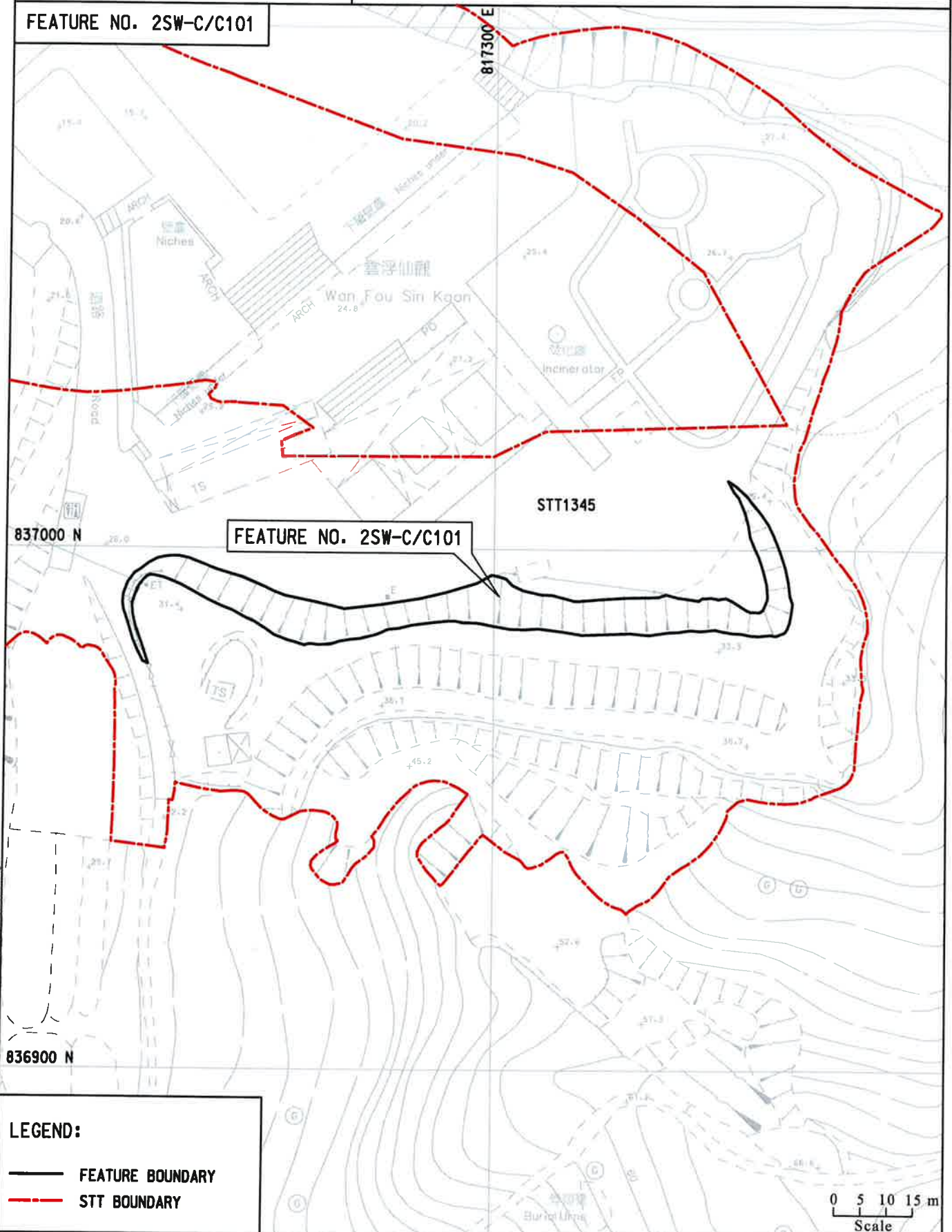
Figure
No.

- | | |
|---|--|
| 1 | General Location Plan |
| 2 | Location Plan of Section |
| 3 | Geological Profile and Stability Analysis of Section 1-1 |
| 4 | Action To Be Taken |

STT NO.: STT1345

LOCATION : WAN FAU SIN KOON, LAU FAU SHAN

FEATURE NO. 2SW-C/C101



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Geotechnical Engineering Office

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10-Year Extended LPM Project
Phase 7, Package K
Stability Studies of Private Slopes
in Hong Kong Island and New Territories
- Investigation

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Scale 1:1000 Date JAN. 09

GENERAL LOCATION PLAN

Figure No. 1

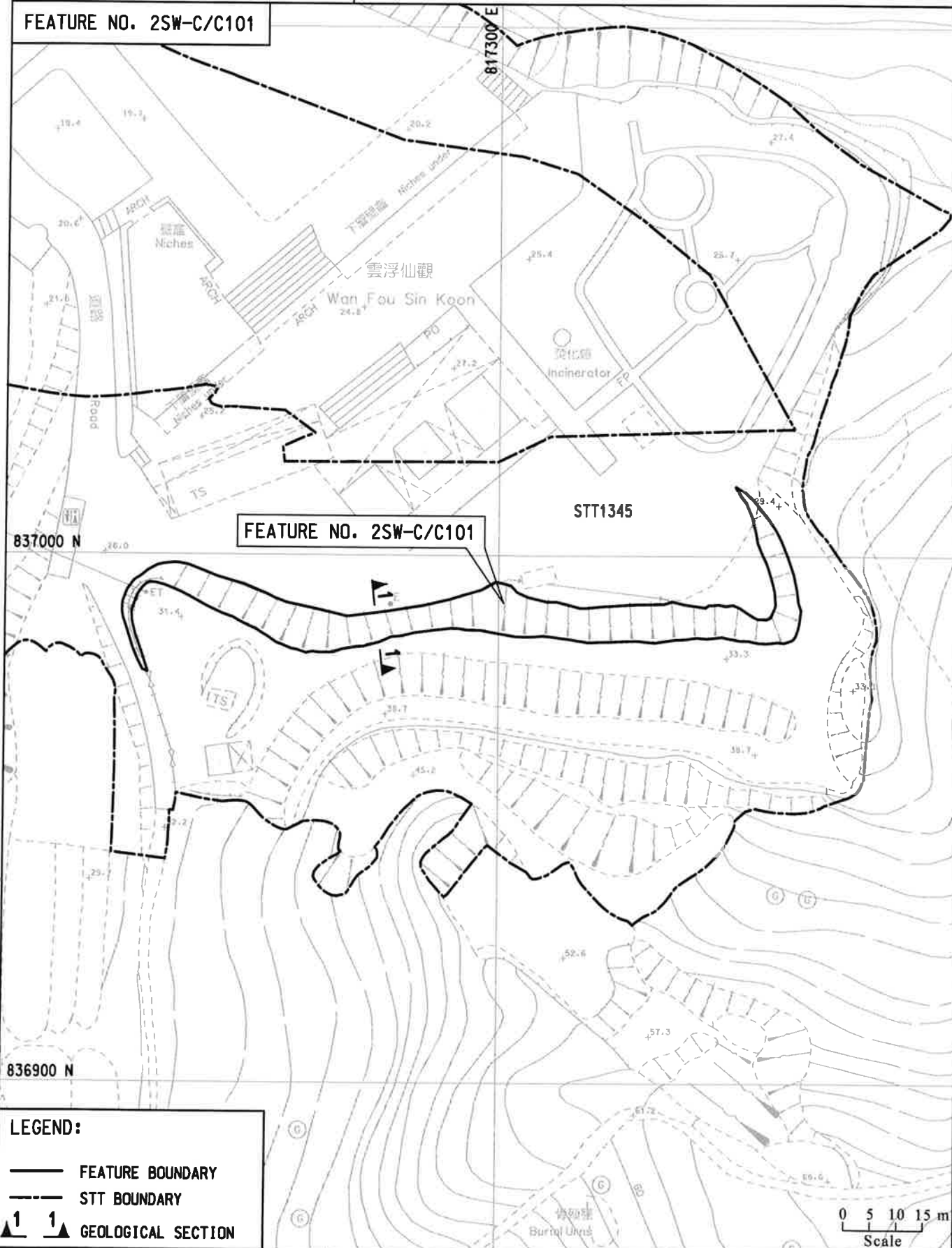
e:\geot\TOSSSK\stage2_study\2SW-CC101\2SW-CC101_FIG1_S2.dgn

ph111p

STT NO.: STT1345

LOCATION : WAN FAU SIN KOON, LAU FAU SHAN

FEATURE NO. 2SW-C/C101



LEGEND:

- FEATURE BOUNDARY
- - - STT BOUNDARY
- 1 1 GEOLOGICAL SECTION

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10-Year Extended LPM Project
Phase 7, Package K
Stability Studies of Private Slopes
in Hong Kong Island and New Territories
- Investigation

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Scale 1:1000 Date JAN. 09

LOCATION PLAN OF SECTION

Figure No. 2

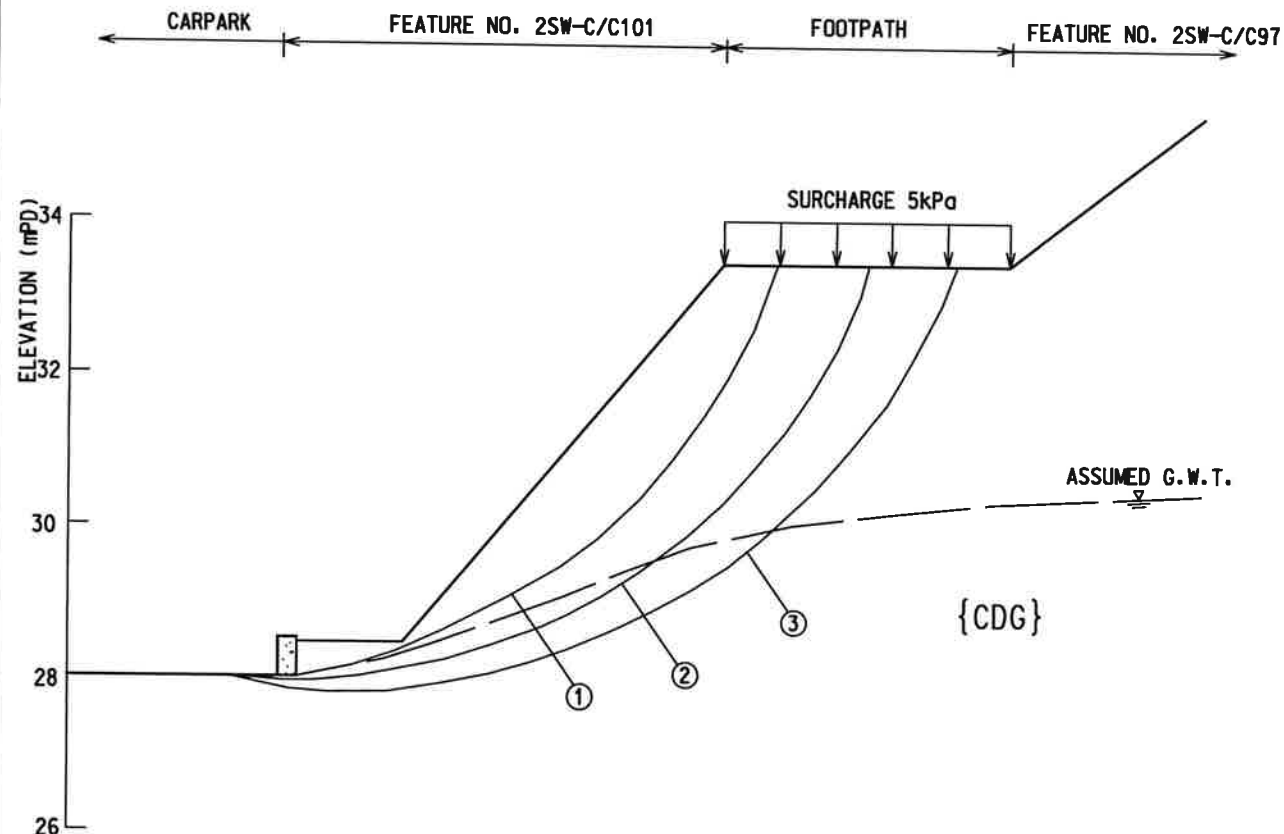
e:\gao\T055SK\stage2_study\2SW-CC101\2SW-CC101_FIG2_S2.dgn

ph111p

STT NO.: STT1345

LOCATION : WAN FAU SIN KOON, LAU FAU SHAN

FEATURE NO. 2SW-C/C101

**LEGEND:**

① SLIP SURFACE NO. 1 (NO. 1 OF 3)

{CDG} COMPLETELY DECOMPOSED
GRANITE**ADOPTED SOIL PARAMETERS**

SOIL	c' (kPa)	ϕ' (°)	γ (kN/m ³)
CDG	5	35	19

SLIP SURFACE NO.	FOS
1	1.404
2	1.331
3	1.384

0 1 2m
Scale

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- Investigation

GEOLOGICAL PROFILE &
STABILITY ANALYSIS
OF SECTION 1-1

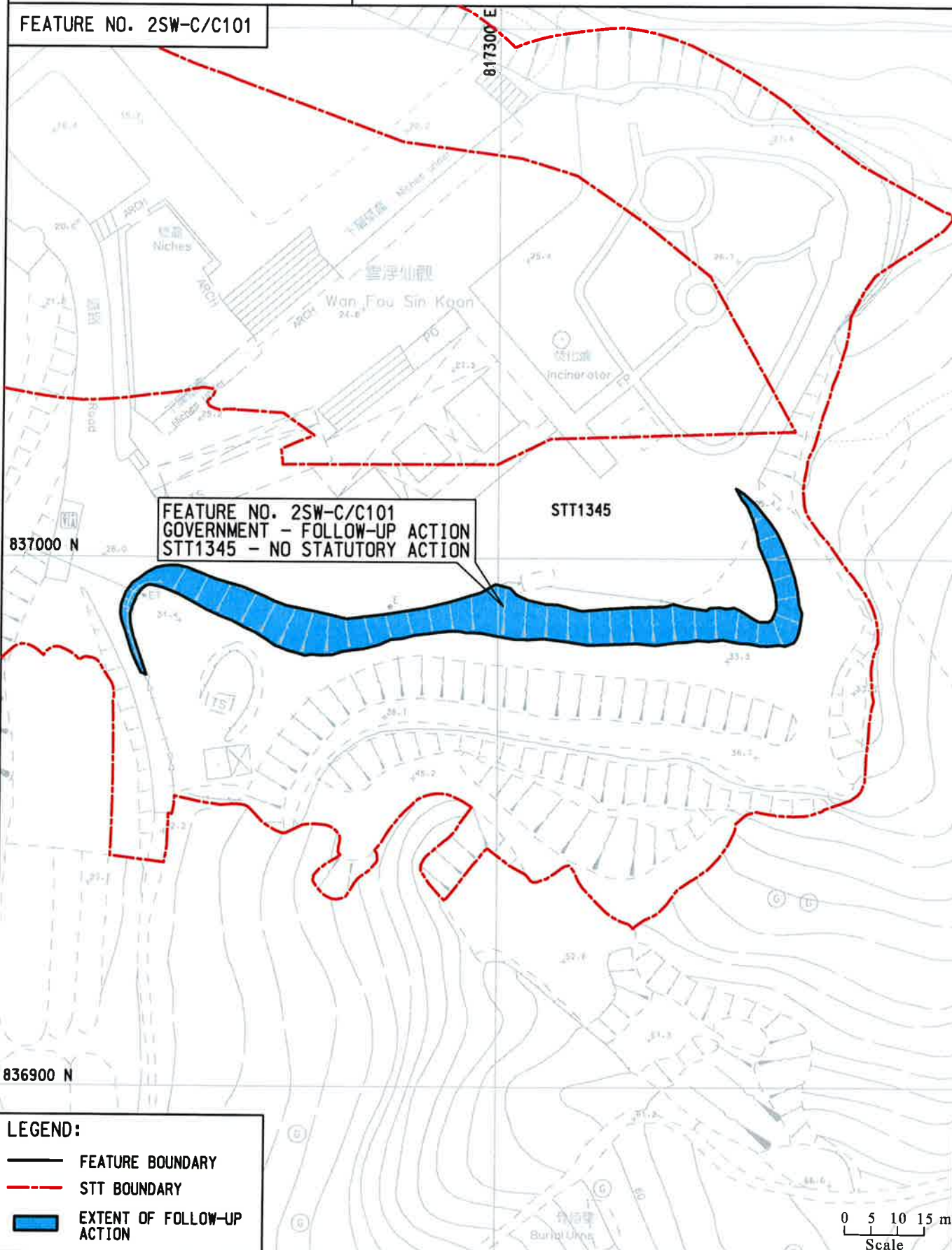
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Scale 1:100 Date JAN. 09 Figure No. 3

STT NO.: STT1345

LOCATION : WAN FAU SIN KOON, LAU FAU SHAN

FEATURE NO. 2SW-C/C101



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Phase 7, Package K
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in Hong Kong Island and New Territories
- Investigation

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ACTION TO BE TAKEN

Figure No. 4

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LIST OF PLATES

Plate
No.

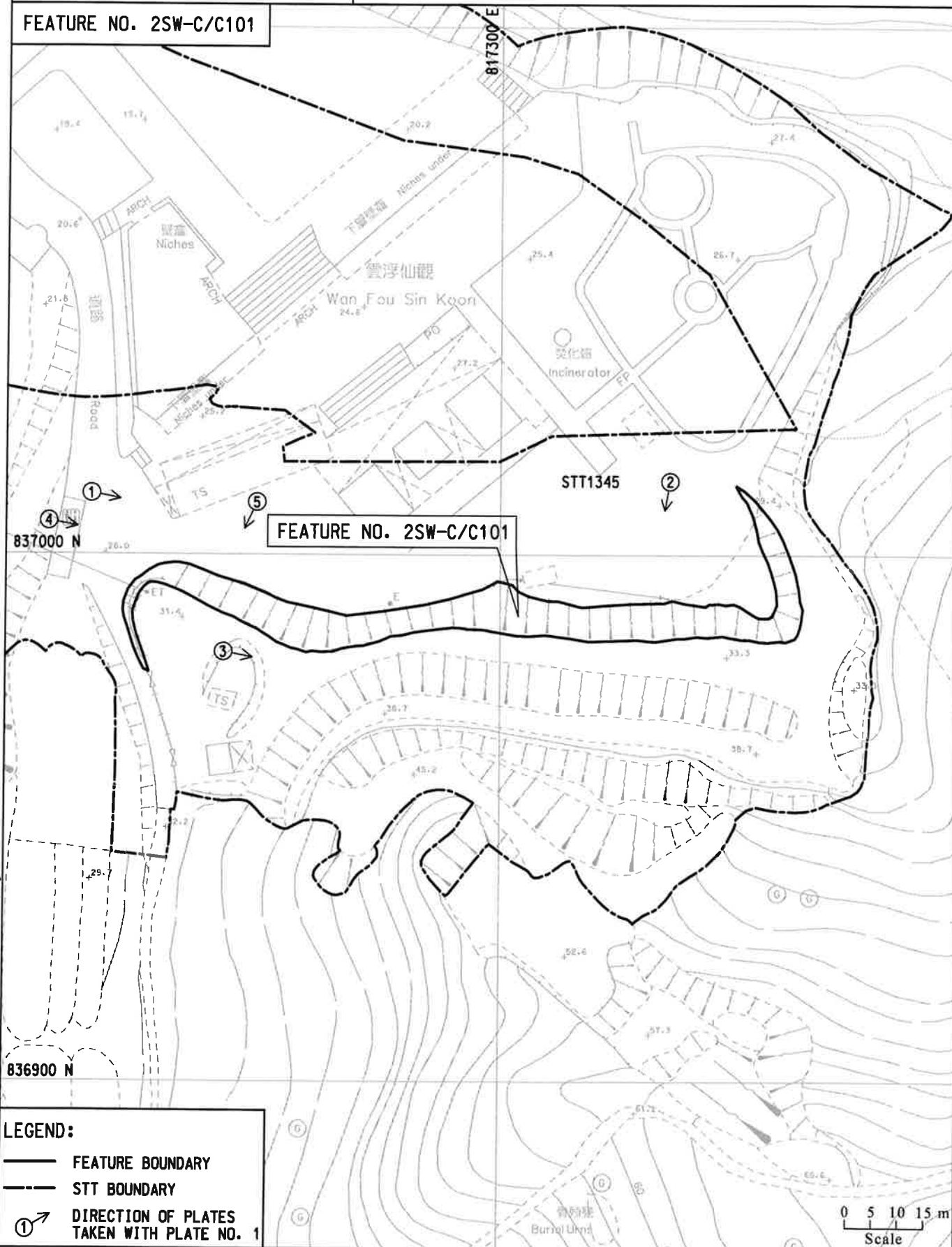
PH/01 Direction of Plates

- 1 Side View of the Western Portion of the Feature (Photo Taken in December 2008)
- 2 General View of the Eastern Portion of the Feature (Photo Taken in December 2008)
- 3 Crest View of the Western Portion of the Feature (Photo Taken in December 2008)
- 4 Side View of the Western Portion of the Feature (Photo Taken in February 2012)
- 5 General View of the Western End Portion of the Feature (Photo Taken in February 2012)

STT NO.: STT1345

LOCATION : WAN FAU SIN KOON, LAU FAU SHAN

FEATURE NO. 2SW-C/C101



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Agreement No. CE48 / 2006 (GE)
10-Year Extended LPM Project
Phase 7, Package K
Stability Studies of Private Slopes
in Hong Kong Island and New Territories
- Investigation

Halcrow

Scale 1:1000 Date JAN, 09

DIRECTION OF PLATES

Figure No. PH01

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PH11.ppf



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SIDE VIEW OF THE WESTERN PORTION OF THE FEATURE (PHOTO TAKEN IN DECEMBER 2008)

PLATE 1



AGREEMENT NO. CE 48/2006 (GE)
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GENERAL VIEW OF THE EASTERN PORTION OF THE FEATURE (PHOTO TAKEN IN DECEMBER 2008)

PLATE 2



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10-YEAR EXTENDED LPM PROJECT, PHASE 7, PACKAGE K

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CREST VIEW OF THE WESTERN PORTION OF THE FEATURE (PHOTO TAKEN IN DECEMBER 2008)

PLATE 3



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SIDE VIEW OF THE WESTERN PORTION OF THE FEATURE (PHOTO TAKEN IN FEBRUARY 2012)

PLATE 4



AGREEMENT NO. CE 48/2006 (GE)
10-YEAR EXTENDED LPM PROJECT, PHASE 7, PACKAGE K

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GENERAL VIEW OF THE WESTERN END PORTION OF THE FEATURE (PHOTO TAKEN IN FEBRUARY 2012)

PLATE 5

APPENDIX A

SYSTEMATIC IDENTIFICATION OF MAINTENANCE RESPONSIBILITY OF SLOPE IN THE TERRITORY (SIMAR) REPORT

Slope Report

FOR IDENTIFICATION PURPOSES ONLY

Slope Location Plan



Legend

- Responsible Slope / Part of Slope Boundary
- - - Lot Boundary

Slope Maintenance Responsibility Category

- Government
- Private
- Joint (Government and Private)



LANDS DEPARTMENT

Not To Scale

Office:

SIMAR Unit, Estate Management Section

Date:

13/03/2012

Slope Number

2SW-C/C101

IASMP01001

SIMAR REGISTER

13/03/2012 03:50 PM

<u>Slope No.</u>	<u>Slope Sub-division No.</u>	<u>Location</u>	<u>Responsible Lot(s) / Party(s)</u>	<u>Maintenance Agent</u>	<u>Slope Plan*</u>	<u>Remarks</u>
2SW-C/C101		WITHIN STT1345	Lands D	Lands D	as per the attached	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent direct.
2SW-C/C101		WITHIN STT1345	STT1345	N/A	as per the attached	

- End of Report -

- * Note:
- (i) The attached slope plan(s) are for the purpose of identification of the slope(s) only.
 - (ii) The slope(s) mentioned in the Register may not be shown in the attached slope plan(s).

APPENDIX B

AERIAL PHOTOGRAPH INTERPRETATION (API) REPORT

API Report on
Feature No. 2SW-C/C101
Wan Fau Sin Koon,
Lau Fau Shan

1. Summary

Feature No. **2SW-C/C101** is located at Wan Fau Sin Koon, Lau Fau Shan. The available aerial photographs taken between the years 1945 and 2006 were examined. From the available aerial photographs, the study feature was formed between 1975 and 1976. No evidence of past instability relevant to the study feature was identified. No evidence of the presence of boulders or natural drainage path affecting the study feature could be identified.

2. Site History

The following site history has been interpreted from the available aerial photographs from 1945 to 2006:

	<u>Year</u>	<u>Observation</u>
2.1	1945	Feature No. 2SW-C/C101 had not been formed. Agricultural fields were observed at the study area.
2.2	1949-1975	No significant changes to the study area were observed.
2.3	1976	Feature No. 2SW-C/C101 was formed by cutting and a large open space was observed at the toe of the feature. Wan Fau Sin Koon had not been constructed yet.
2.5	1978-1979	No significant changes to the feature were observed. Construction work of the Wan Fau Sin Koon was in progress. Buildings were observed to the north of the feature.
2.6	1981	No significant changes to the feature were observed. Construction work of the Wan Fau Sin Koon was completed.
2.7	1982	No significant change to the feature was observed.
2.8	1983	No significant change to the feature was observed.
2.9	1984	No significant change to the feature was observed.
3.0	1985-1990	No significant change to the feature was observed.
3.1	1991-1995	No significant change to the feature was observed.
3.2	1996-2000	No significant change to the feature was observed.

- 3.3 2001-2003 No significant change to the feature was observed.
- 3.4 2004-2006 No significant change to the feature was observed.

3. Past Instability

No past instability was observed from the aerial photographs.

4. Boulders

No boulders could be identified from the aerial photographs.

5. Surface Hydrology

No natural drainage path could be identified from the aerial photographs.

List of Photographs viewed

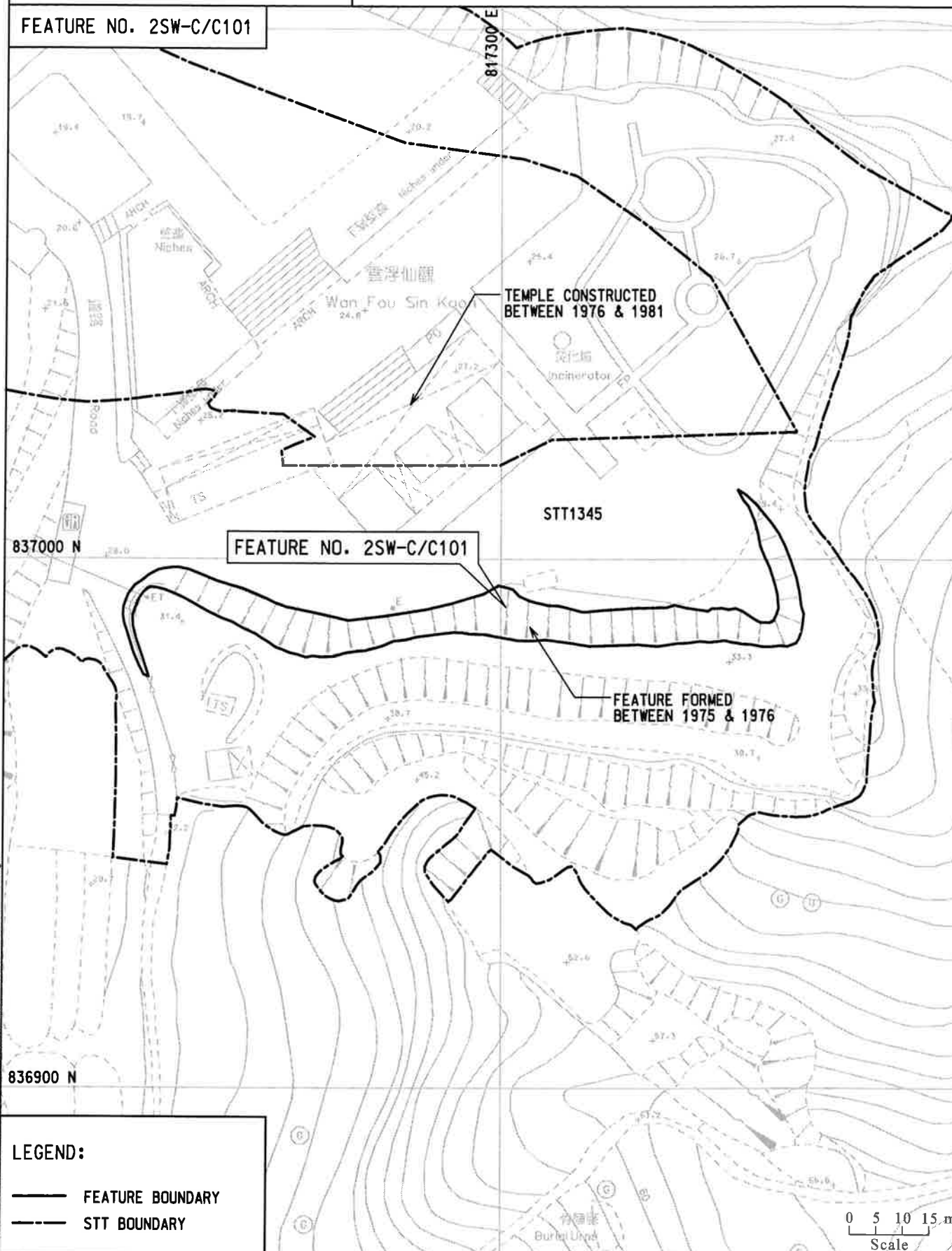
Stage 2 Study
Feature No. 2SW-C/C101
Wan Fau Sin Koon,
Lau Fau Shan

Year	Photograph No.
1945	Y00856-57
1949	Y02482-84
1954	Y02871-72
1963	Y09685-86
1964	Y13057-58
1973	7919-20
1974	10007-08
1975	11926-27
1976	16028-29
1978	20634-24541
1979	28473-74
1981	39309-10
1982	42873-74
1983	51432-33
1984	55783-84
1985	A01821-22
1986	A07454-55
1987	A10788-89
1988	A15844-45
1989	A19110-11
1990	A24264-65
1991	A28189-90
1992	A30616-17
1993	CN4997-98
1994	A38458-59
1995	CN9808-09
1996	CN16471-72
1997	CN17703-04
1998	CN20232-33
1999	CN22500-01
2000	CN26487-88
2001	CW31518-19
2002	CW40524-25
2003	CW46743-44
2004	CW61699-700
2005	CW64095-96
2006	CS04094-95

STT NO.: STT1345

LOCATION : WAN FAU SIN KOON, LAU FAU SHAN

FEATURE NO. 2SW-C/C101



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10-Year Extended LPM Project
Phase 7, Package K
Stability Studies of Private Slopes
in Hong Kong Island and New Territories
- Investigation

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SUMMARY PLAN OF OBSERVATION FROM API

Figure No. —

E:\geotec\TDS\SSK\Stage2_Study\2SW-CC101\2SW-CC101_FIG_API_S2.dgn

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APPENDIX C

PHASE 2 SYSTEMATIC INSPECTION OF FEATURES IN THE TERRITORY (SIFT) STUDY

PHASE 2 SYSTEMATIC INSPECTION OF FEATURES IN THE TERRITORY (SIFT 2 Version 4.5)

SIFT No: 2SW-22/B-S11 GEO Reg. No: _____ Grid Ref.: See - Table 4 in SIFT Report

Location: Above Monastery

1. Registration Criteria from GEO Circular 7/93:

R greater than 3m high. F or FR greater than 5m high.

F or FR less than 5m high which pose a direct risk to life in the event of failure.

} Part of Larger

} Fill Body (Y / N)

☒ or CR greater than 3m high.

WC (Work Complete)

WIP (Work In Progress)

Date: _____, registerable features may be present.

ADT (Abandoned Disturbed Terrain), Type _____

NR does not meet GEO slope registration criteria _____

NE no longer exists _____

OTHER _____

2. SIFT Classification: from Guidelines for Phase 2 SIFT Version 3.1 and Addendum 5

Aerial Photograph Year and Number 1978 24540-41

☐ Class A Fill feature considered to have similar circumstances to the Baguio landslide site.

Class B Fill feature considered to meet GEO criteria for slope registration but does not meet criteria A.

☐ B1 Have been formed or substantially modified before 30.6.78 or to have been illegally formed after 30.6.78.

☐ B2 Have been formed or substantially modified after 30.6.78, studied to GEO Stage 2, or equivalent or to be Housing Dept. Feature.

Class C Cut feature considered to meet GEO criteria for slope registration.

☒ C1 Have been formed or substantially modified before 30.6.78 or to have been illegally formed after 30.6.78.

☐ C2 Have been formed or substantially modified after 30.6.78

Formation/Modification before

or after 30.6.78 determined by :-

☐ Confirmed by API

☒ Assumed (Reason: construction between 1976 - 1978)

3. Consequence: (Modified B&P Assessment of Risk for A, B1 only. See Section 4 below for details.)

☐ Low

☐ Low to moderate

☐ Moderate

☐ Moderate to High

☐ High

☐ Very High

4. Modified B&P Assessment of Risk : (For Class A,B1 only)

4.1 Feature Dimensions

Estimated Slope Height _____ m.

Estimated Slope Length _____ m.

Estimated Slope Gradient _____ °.

Estimated Retaining Wall Height _____ m.

Estimated Max. Fill Width _____ m.

Estimated Fill Thickness _____ m.

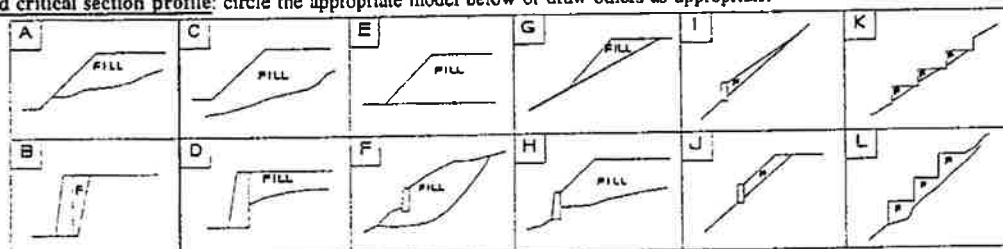
Total Height of Feature _____ m.

Part of Larger Fill Body? (Y / N)

Volume Calculation _____

Estimated Fill Volume _____ m³.

4.2 Estimated critical section profile: circle the appropriate model below or draw others as appropriate.



4.3 Topographic Situation

Adjacent / Traversed : Drainage Line / Topographic Depression or Spurline / Planar Slope

Catchment area : (1=<100m², 2=100-500m², 3=500-1000m², 4=1000-10000m², 5=>10000m²)

To Fill Body _____ To Drainage Line (if Affected Structure located downstream) _____

Intervening Ground, feature to facility: Platform / Slope / Drainage Line Natural / Cut / Fill Vegetation (Y / N)

Debris Trail : Channelisation : Spread : Erosion and Entrainment : Assumed to occur along debris trail

4.4 Facilities

Facility(ies) below feature.

Bus Shelter (Y / N)

Facility _____; Distance, Plan _____ m, Vertical _____ m, Angle _____ °

Facility _____; Distance, Plan _____ m, Vertical _____ m, Angle _____ °

Facility(ies) on slope/platform of feature: road / building / other _____

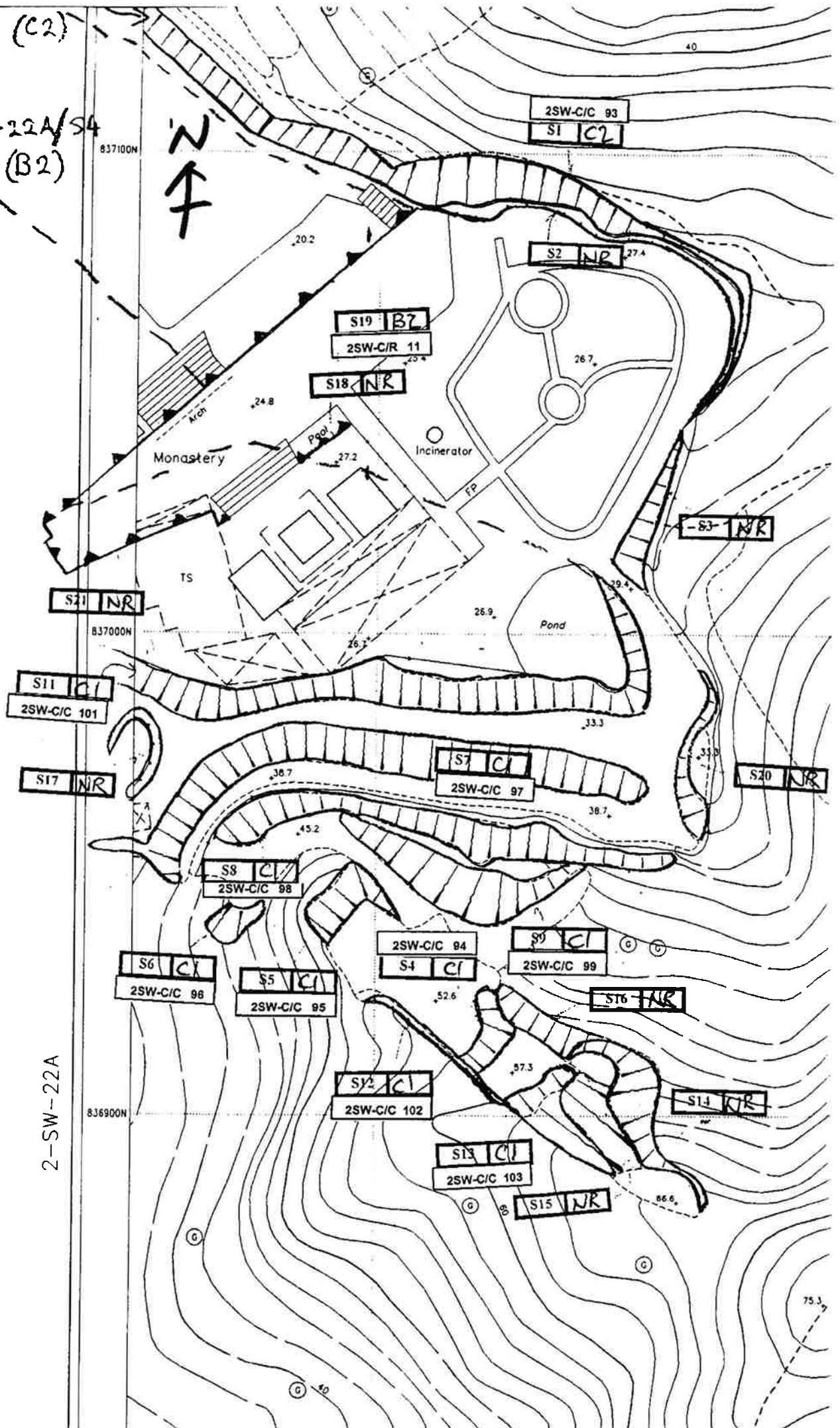
4.5 Consequences of Slope Failure / Remarks :

Compiled by P.A.Spiers

API CONSULTANT/ 17

dated January 14 1998

(C2)
2SW-22A/S4
(B2)



APPENDIX D

SIS DATA SHEET & SIS PLAN

BASIC INFORMATION	Feature Ref. No. : 2SW-C/C 101
--------------------------	---------------------------------------

Location: WAN FAU SIN KOON, LAU FAU SHAN

Approximate Coordinates **Northing :** 836989 **Easting** 817300

SLOPE PART

Max. Height (m) : 6 **Length (m) :** 160 **Avg. Angle (deg) :** 55

WALL PART

Max. Height (m) : **Length (m) :**

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest : Road/footpath with very low traffic density

Distance of Facility from Crest (m) : .3

Facility at Toe : Open car park

Distance of Facility from Toe (m) : .5

Consequence-to-life Category : 2

Sift Class : C1

Remark : NIL

Maintenance Responsibility : **Sub Div. No :** 0 **Main. Parties :** STT1345

Other Information	Feature Ref. No. : 2SW-C/C 101
--------------------------	---------------------------------------

CNPCS : 2.86

SIFT Ref. : 2SW-22B/S 11

CNPCS Source : SIRST record : Provided by SIRST Consultants

ENHANCED MAINTENANCE

Upgraded by		Improved by			
Prescriptive Design Using GEO Report No. 56	Non-prescriptive Design including Conventional Design	Type 1 /Type 2 Prescriptive Measures	Type 3 Prescriptive Measures (not up to upgrading standard)	Actual Completion Date	
NULL	NULL	NULL	NULL	NULL	

DADS

DH Order

<u>Recommendation Date</u>	<u>Served Date</u>	<u>Defaulted Date</u>	<u>Lot Address</u>	<u>File Reference</u>	<u>Notice No.</u>	<u>Discharged Date</u>
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Advisory Letter

<u>Recommendation Date</u>	<u>Served Date</u>	<u>Lot Address</u>	<u>File Reference</u>	<u>Status of Letter</u>
NULL	NULL	NULL	NULL	NULL

CHECKING STATUS

Relevant Files :

Part :
NULL

Checking Status :
NULL

LPMIS

Agreement No.: CE48/2006

Study Type: Stage 2 Study

GE/Consultant: Halcrow

Study Status: Study has not commenced yet

Report No.:

Draft Report Date:

Study Completion Date:

Recommendation:

Remarks:

LPM Contract No.:

Works Status:

Works Commencement Date:

Works Completion Date:

Type of Upgrading Works:

Drawing No.:

Maintenance Manual No.:

Slope / Wall Detail Data	Feature Ref. No. : 2SW-C/C 101
---------------------------------	---------------------------------------

SLOPE PART

Material Description :	Material Type:	Soil & Rock	Geology:	Decomposed granite
Dimensions :	Max. Height (m):	6	Length (m):	160
	Average Angle (deg):	55		
	No. of Berms:		Min. Berm Width (m):	
Surface Protection :	% Bare:	70	% Shotcrete:	0
	% Vegetated:	30	% Other Cover:	0
	% Chunam:	0		
Weepholes :	Size (mm):		Spacing (m):	
Drainage :	<u>Type</u>		<u>Size (mm)</u>	
	NULL		NULL	

WALL PART

NULL

SERVICES

<u>Utilities Type</u>	<u>Size</u>	<u>Location</u>	<u>Remark</u>
Water Main	80	On crest	
Electricity		On crest	Size cannot be determined
Water Main	80	On slope	
Electricity		On slope	Size cannot be determined

Feature Reference No. : 2SW-C/C 101

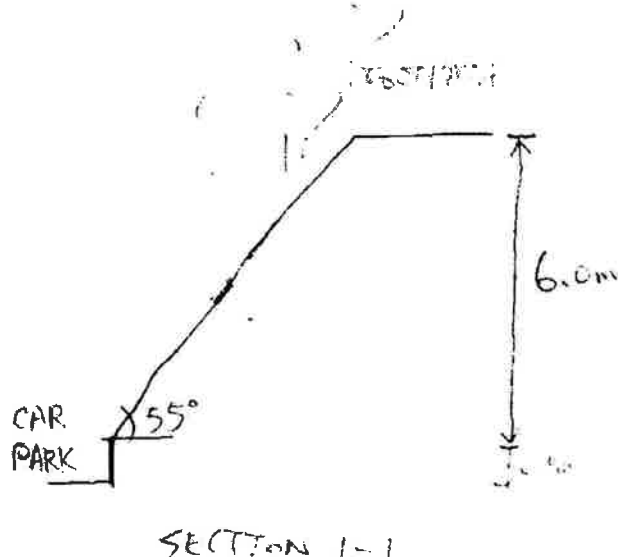
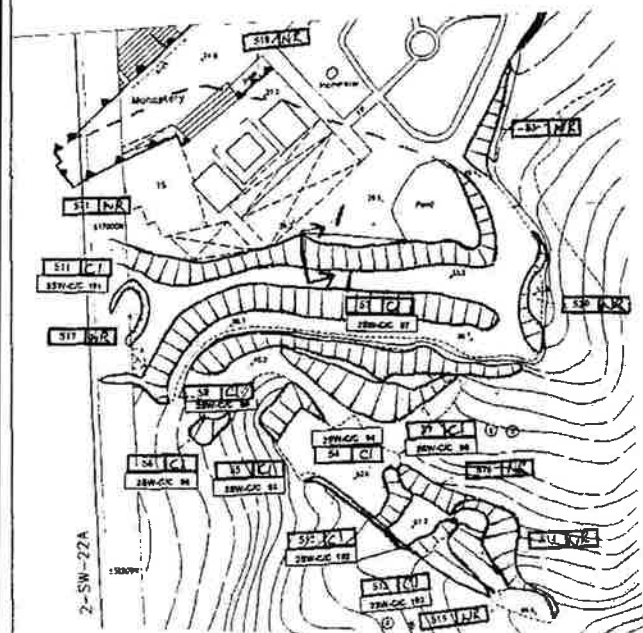
Inspected by : Chan, W.L.

on 12 MAR 1998

Weather	Some Rain
---------	-----------

District	MW
----------	----

GE Area :



Section No.	Height (m)		Type of Toe Facility	Distance from Toe (m)	Type of Crest Facility	Distance from Crest (m)	Consequence Category #	Engineering Judgement #
	H1	H2						
1-1	6	0	Open carpark	.5	Road with very low traffic	.3	2	P

Sign of Seepage : *Slope : Yes*

Slope : Signs of seepage

Criterion A
satisfied ?

NO

Sign of Distress : *Slope : Reasonable (near crest, mid-portion)*

Criterion D
satisfied?

NO

Non-routine maintenance required: *NO*Masonry wall/Masonry facing ? **NO**

Note :

Note :

Consequence category (for critical section) :	2
---	---

Observations :

Emergency action required	NO Private : ☐ BD Government : ☐	
Action to initiate preventive works/ Study	Criterion A/ Criterion D ☐	Private Action by ☐ Government ☐ Further Study ☒ Private Owner(s) Action by ☒ Government ☒
Other external action	Check/repair service ☐	Engineer Inspection ☒ Non-routine Maintenance ☐
	Action by	Private ☒ Government : ☒

Recommendation agreed :

Post :

Date :

Legend & Notes for Stage 1 Study Report Form

Legend :

- H1 Critical height relative to the structure at risk.
- H2 Height of lowest daylighting point for realistic slip surface above the toe of the slope (at the same location as the "Critical Height"). This should be used to estimate the "Effective Height" of the slope for Criterion D of GEO Circular No. 4/97.
- # For definition of Engineering Judgement and Consequence Category, refer to SIRST Procedural Manual.
- + Criterion A - There are significant signs of distress, or visual or documented evidence of continuing hazardous movement, of a landslide, slope, excavation, retaining structure, boulder or rock fragment.
- ++ Criterion D - Only applicable for soil cut slopes in weathered granite or tuff having an effective height and mean slope inclination (at the critical section) failing within the hatched zone shown on Figure 1 of GEO Circular No. 4/97. Effective height is the difference in elevation between the crest and the lowest daylighting point of realistic slip surfaces. The use of this criterion can be applied to sites located in the rock formation given in Appendix E of the Procedure Manual for Slope Cataloguing.

Notes :

1. The appropriate recommendation(s) should be made from observations made during the Stage 1 Study, indicating either one or a combination of the following:
 - (a) Emergency Action - Emergency action should be recommended for those features which have shown signs of immediate danger. For private features, emergency works are implemented by the Buildings Department (BD) through their Emergency Contractor to ensure public safety. For Government features, urgent repair works are carried out by the maintenance department as stipulated in LWBTC 9/87.
 - (b) Action to Initiate Preventive Works/Study
 - (i) For private features involving a significant risk to life or serious damage to property and whose conditions satisfy either Criterion A or Criterion D as stipulated in GEO Circular No. 4/97, DH Order should be recommended to BD for them to initiate study/preventive works. Advisory Letter should be recommended for cases not involving a significant risk to life or serious damage to property. For public features which satisfy Criterion A or Criterion D, GEO should initiate urgent repair works and/or LPM works if needed.
 - (ii) Further study should be recommended for the features unless preventive measure are not necessary.
 - (c) Other External Action - This falls under actions not normally resulting in preventive works/study.
 - (i) Check/repair Service - Advise the responsible party to check/repair an suspected leaking water carrying services.
 - (ii) For features which the inspecting GE considers no further study is needed including for features requiring maintenance works (including preventive maintenance) as covered by Engineer Inspection, the Engineer Inspection box should be ticked but the action is assumed to be taken by the owners (both public and private) since Engineer Inspection is required for all features; Geoguide on Slope Maintenance and/or WBTC 9/96.
 - (iii) Non-routine maintenance refers to maintenance works which the inspecting GE considers needs to be implemented within the next 12 months to prevent deterioration of the slope to a point when it could become dangerous. For more urgent works, the inspecting GE should qualify in the Notes box that the works should be implemented either ASAP or before the onset of wet season. For private features, the private owners should be informed through issue of Advisory Letter by BD. For public features, the responsible department should be informed of the recommendation.

Photo Record Sheet

Printed on 03-JUL-08 15:40:30

2SW-C/C 101

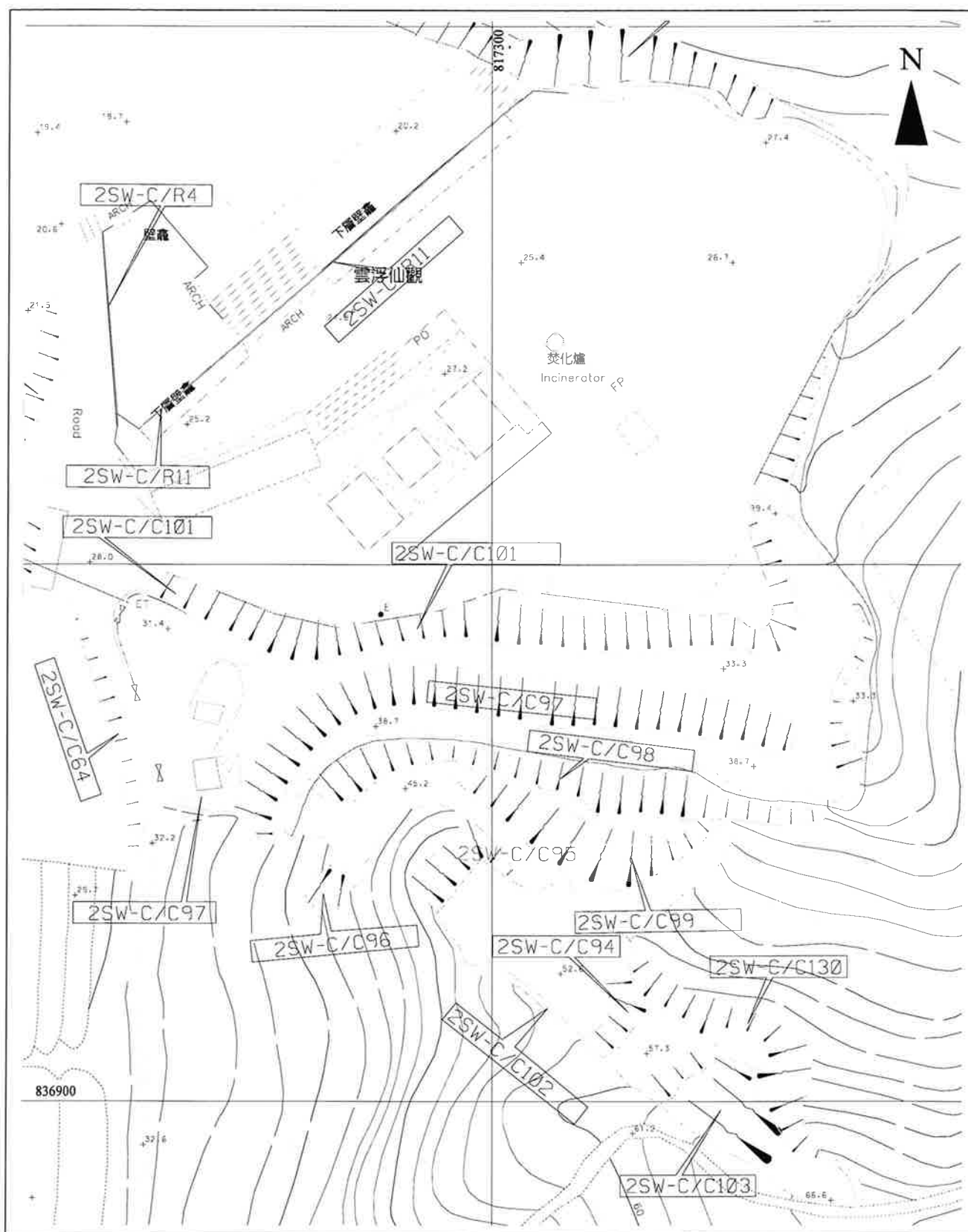
Date Taken



2SW-C/C 101

GENERAL VIEW

F20



Geotechnical Engineering Office

Slope Location Plan

Slope No: 2SW-C/C 101
Easting: 817300

Date Print: 03/ 7/2008
Northing: 836989

Scale: 1: 1000

APPENDIX E

BUILDING DEPARTMENT RECORD

Fax No. : 28278352

Tsui Shing Tin
Level 10
Millennium City 6
392 Kwun Tong Road

8273026

File 16/SSSK/11.1			
Disk			
Date Annot		Date/by	
Rec'd		13 NOV 2008	
Action	Info	Sign	Remark
(12)			

7 November 2008

Dear Sir/Madam,

Application for Inspecting Building Records/One Stop Service
Application Number : 08110804
Address of Building : STT1345

We refer to your above application and regret to inform you that the Buildings Department (BD) does not have the requested records of the subject building for the following reason(s) :

8. There is no such record of approved building works on the subject lot / land.

2. For any queries about your application, please contact us at 2626 1207.

Yours faithfully,

Building Information Centre
Buildings Department

Note: To save paper, we will provide Chinese translation of this letter only on request. Please contact us at 2626 1207 for details.
為節省用紙，現只提供英文本。如需要中文譯本，請撥電 2626 1207 與我們聯絡。

This computer print-out requires no signature.
此乃電腦文件，毋須簽署。

BIC-SL 4 (Rev. 5/2008)

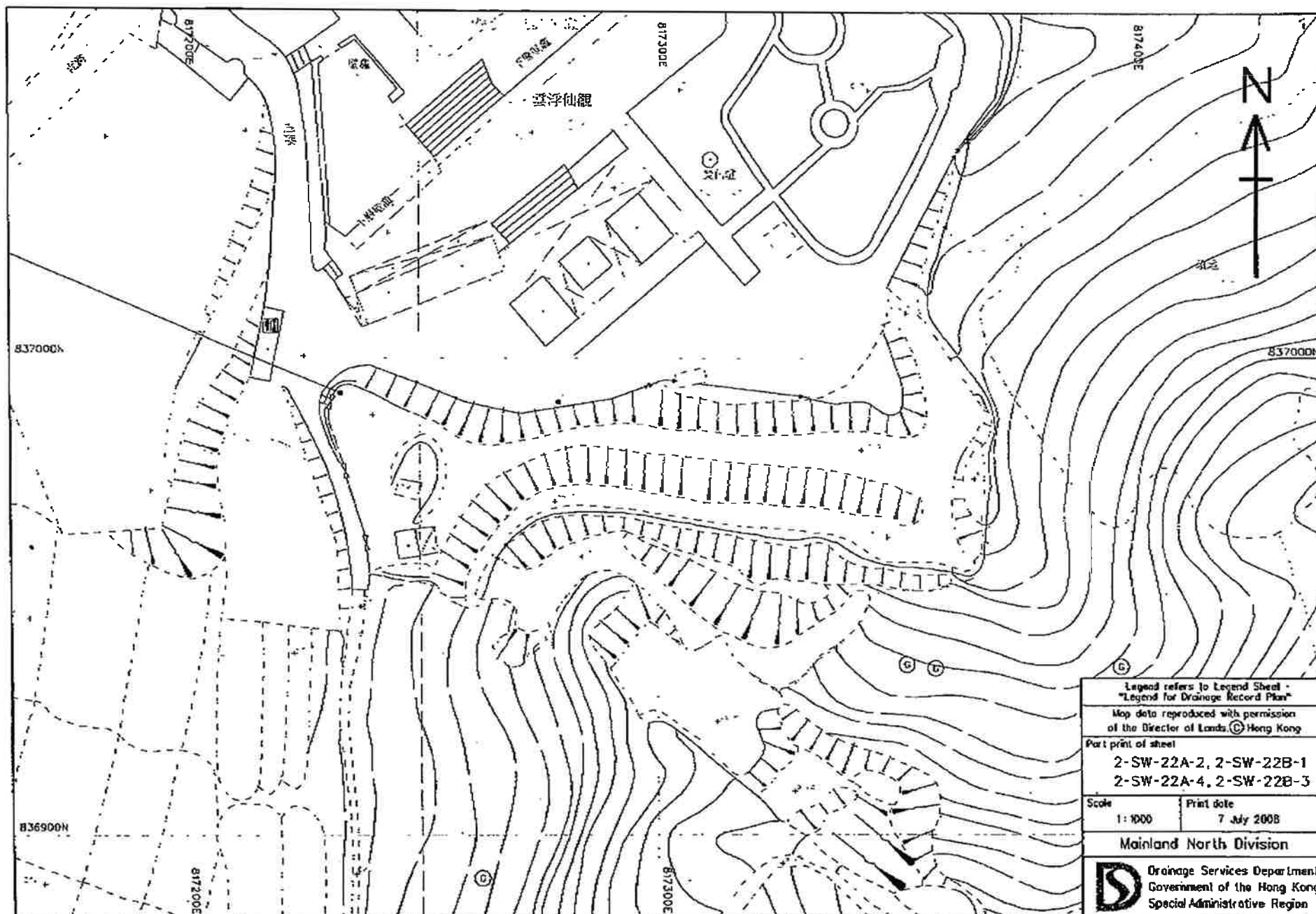
APPENDIX F
UTILITIES RECORDS

14-JUL-2008 10:09

+ 852 2783 8754

+ 852 2783 8754

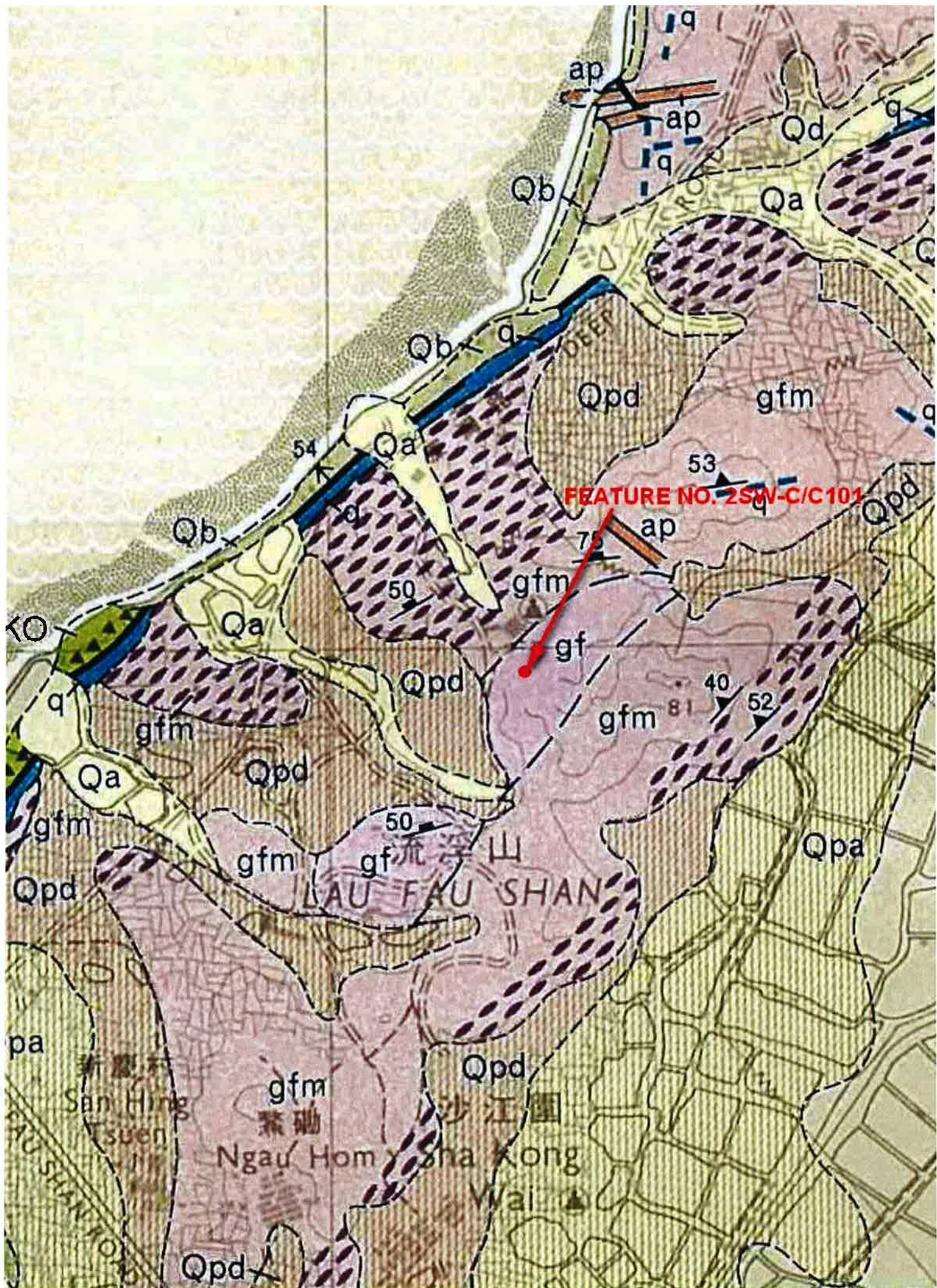
P.05



2SW-C/C101

APPENDIX G

**PART PRINT OF 1:20 000 GEOLOGICAL MAP OF
HONG KONG SHEET NO. 2**



HONG KONG GEOLOGICAL SURVEY

香港地質調查

SAN TIN 新田

Sheet 2 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 表土沉積

		GENETIC CLASSIFICATION OR NAMED DIVISIONS	成因類型 或地層名稱	主要 物質成份	PRINCIPAL MATERIALS
第四系 QUATERNARY	全新統 HOLOCENE	Fill; sanitary fill (Qfs)	填土	填泥和廢物	Natural earth and waste
		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
		Estuarine deposits	河口灣沉積	粘土質粉砂或砂	Clayey silt or sand
		Beach deposits	海灘沉積	砂	Sand
		Raised beach deposits	高位海灘沉積	砂	Sand
	坑口組 HANG HAU FORMATION				
	更新-全新統 PLEISTOCENE AND HOLOCENE				
	更新統 PLEISTOCENE				
	赤臘角組 CHEK LAP KOK FORMATION				

SOLID GEOLOGY 基岩地質

SEDIMENTARY AND VOLCANIC ROCKS 沉積岩和火山岩

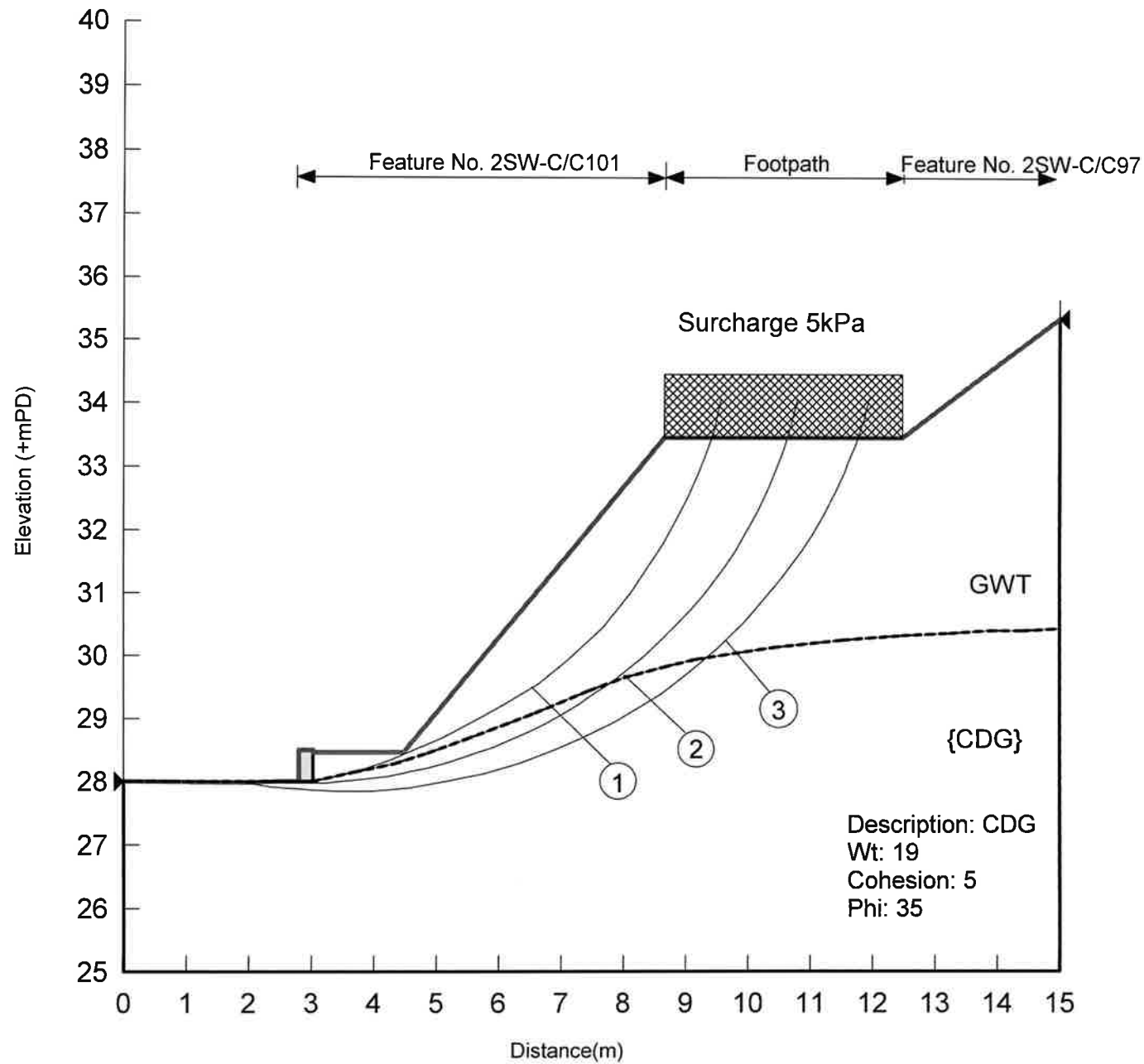
		NAMED ROCK DIVISIONS	地層單位名稱	主要岩石類型/特徵	PRINCIPAL ROCK TYPES/CHARACTERS
中生界 MESOZOIC	上白堊統 UPPER CRETACEOUS	Kat O Formation	吉澳組		Breccia with conglomerate Breccia with conglomerate and coarse-grained sandstone
	上侏羅統 UPPER JURASSIC	Tai Mo Shan Formation, undivided	大帽山組 (未分)		粗火山灰晶屑凝灰岩 砂岩
					Coarse ash crystal tuff Sandstone
古生界 PALAEOZOIC	下石炭統 LOWER CARBONIFEROUS	Lok Ma Chau Formation, undivided	落馬洲組 (未分)		變質砂岩夾變質礫岩和千枚岩 千枚岩、變質粉砂岩夾 變質砂岩和石墨片岩
					metaconglomerate and phyllite Phyllite, metasiltstone with metasandstone and graphite schist
	新田群 SAN TIN GROUP	Yuen Long Formation, undivided	元朗組 (未分)		大理岩
					Marble

MAJOR INTRUSIVE IGNEOUS ROCKS 主要侵入火成岩

中生代 MESOZOIC	侏羅-白堊紀 JURASSIC- CRETACEOUS	Megacrystic 具大晶體的		gf	細粒花崗岩, 0.06—2 毫米	Fine-grained granite, 0.06-2mm
				gfm	中細粒花崗岩	Fine- to medium-grained granite

APPENDIX H

STABILITY ANALYSIS OF SECTION 1-1



Slip No.	FOS
1	1.404
2	1.331
3	1.384

Section 1-1
Scale 1:100

Section 1-1.fac

DATESTAMP 1/7/2009

TIMESTAMP 9:44:00 AM

3=METHOD 3=NO. OF SLIP SURFACES 1=NO. OF RADII 2=SIDE FUNCTION TYPE
-734.5000=X-COOR. 556.0000=Y-COOR. COMPUTED AXIS

SLIP NO.	X- COORD.	Y- COORD.	RADIUS	ITERATION NO.	LAMBDA	FACTOR OF (MOMENT)	SAFETY (FORCE)
1	-734.500	556.000	907.227	1	0.0000	1.3139058	1.5704787
1	-734.500	556.000	907.227	6	0.0000	1.3666962	1.3628470
1	-734.500	556.000	907.227	3	-0.2500	1.4041532	1.4069983
2	-734.500	556.000	907.558	1	0.0000	1.2206115	1.4209506
2	-734.500	556.000	907.558	5	0.0000	1.2979275	1.2943115
2	-734.500	556.000	907.558	3	-0.2500	1.3314194	1.3332040
3	-734.500	556.000	907.919	1	0.0000	1.2436726	1.4492883
3	-734.500	556.000	907.919	4	0.0000	1.3483138	1.3414110
3	-734.500	556.000	907.919	3	-0.2500	1.3842808	1.3855355

| SUMMARY OF MINIMUM FACTORS OF SAFETY |

MOMENT EQUILIBRIUM: FELLENIUS OR ORDINARY METHOD

-734.5000=X-COOR. 556.0000=Y-COOR. 907.5578=RADIUS 1.2206115=F.S.

2=SLIP#

MOMENT EQUILIBRIUM: BISHOP SIMPLIFIED METHOD

-734.5000=X-COOR. 556.0000=Y-COOR. 907.5578=RADIUS 1.2979275=F.S.

2=SLIP#

FORCE EQUILIBRIUM: JANBU SIMPLIFIED METHOD (NO FO FACTOR)

-734.5000=X-COOR. 556.0000=Y-COOR. 907.5578=RADIUS 1.2943115=F.S.

2=SLIP#

MOMENT AND FORCE EQUILIBRIUM: MORGENSTERN-PRICE METHOD

-734.5000=X-COOR. 556.0000=Y-COOR. 907.5578=RADIUS 1.3314194=F.S.

2=SLIP#

NORMAL TERMINATION OF SLOPE

MOST_CRITICAL # SLIP_SURFACE #

=====

1

2

SLIP_SURFACE # AUTOTENSIONELEV

=====

APPENDIX I

STAGE 2 STUDY/LPM CHECKLIST

SS-F-02 Sample Stage 2 Study General Checklist

Project Engineer : <u>John Luk</u>		Section : <u>1-1</u>	
Prepared by : <u>S. J. TSUI</u>		Date : <u>24 / 11 / 2008</u>	

	Yes	No
(A) Maintenance Responsibility (MR)		
(a) There is doubt that sub-lots have not been identified by SIMAR If yes, check land status at Lands Dept/Land Registry & draw GEO, CES/EM, Lands D attention to the issue	☐	☒
(b) Doubt over SIMAR findings. (please specify) _____ If yes, draw GEO, CES/EM, Lands D attention to the issue	☐	☒
(c) It appears that the government portion of the feature was formed by the lot owners based on API/site setting but without documentary evidence If yes, draw GEO and maintenance department's attention to the issue	☐	☒
(d) Urgent repair / maintenance works were carried out by government authority on private MR feature If yes, clarification should be made in Stage 2 Study Report (S2R)	☐	☒
(B) Discrepancy between GEO's records/actual condition		
(a) Feature boundary	☐	☒
(b) Feature type	☐	☒
(c) Geometry	☐	☒
(d) Affected facilities	☐	☒
(e) Others (please specify) _____ if yes to any items above, address in S2R & notify relevant division of GEO	☐	☒
(C) Desk Study		
Record, files & previous studies related to adjacent features/lots checked & reviewed	☒	☐
(D) Stability Assessment		
(a) Any site-specific GI data including laboratory testing results If no, soil strength parameters for sensitivity analyses should be determined by an experienced engineer based on site-specific assessment. Critical review/discussion on sensitivity analyses results should be performed by the experienced engineer	☐	☒

Stage 2 / LPM General Checklist (Sheet 1 of 2)	Feature No. <u>2SW-C/C101</u> Location : <u>WAN FAI SIN KOON, LAU FAI SHAN</u>
---	---

Project Engineer : <u>John Luk</u>	Section : <u>1-1</u>
Prepared by : <u>S.T. TSVI</u>	Date : <u>24/11/2008</u>

	Yes	No
(b) Extraordinarily high groundwater table is adopted based on water stain or signs of dampness observed If yes, the adopted groundwater table should be reviewed by an experienced engineer	☐	☒
(c) Any natural drainage line above the feature If yes, consider the effect of the drainage line on groundwater table	☐	☒
(d) Any recorded/unrecorded water carrying services located within the vicinity of the feature If yes, address the effect of potential leakage & state whether leakage investigation is required in the S2R	☒	☐
(e) If all existing beneficial factors, such as passive resistance wall friction & existing structural restraint etc., have been duly considered	☐	☒
(f) Have adjoining features been considered jointly as an integrated approach in the stability assessment	☐	☒
(g) The study feature consists of Fill slope element If yes, address liquefaction potential in the S2R	☐	☒
(h) Justification of geological model including geological profile, soil parameters, groundwater table and surcharge etc, adopted for stability assessment is included in the S2R	☒	☐
(i) The feature is a mixed MR feature If yes, stability of each MR portion should be assessed. Local stability of each MR portion should also be checked if the MR are sub-divided vertically	☐	☒
(E) DHO Recommendation		
(a) Have the scale of consequence been duly considered prior to finalization Stage 2 Study recommendation	☐	☐
(b) DHO recommendation based on criterion F of GEO Circular No. 24 & min. FOS ranging from 1.1 to 1.2 If yes, review of the DHO recommendation by an experienced engineer before issue of the S2R	☐	☐

Stage 2 / LPM General Checklist (Sheet 2 of 2)	Feature No. <u>2SW-C/C 101</u> Location : <u>WAN FAU SIN KODON, JAV</u>
---	--

FAU SHAN



BASIC INFORMATION

Location: WAN FAU SIN KOON, LAU FAU SHAN, YUEN LONG

Registration Date: 06-05-1998

Ranking Score (NPRS): 7 (EI)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: SIRST

Approximate Coordinates: Easting : 817205 Northing : 837121

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: District open space

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 26 Average Angle (deg): 37

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 LOT 1859	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 20-06-2012
(2) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 20-06-2012
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 09-03-1998
Data Source: SIRST
Slope Part Drainage: N/A

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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3336 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1981), 39310 (1981)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 09-03-1998
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1979

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

Type of Crest Facility: District open space

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

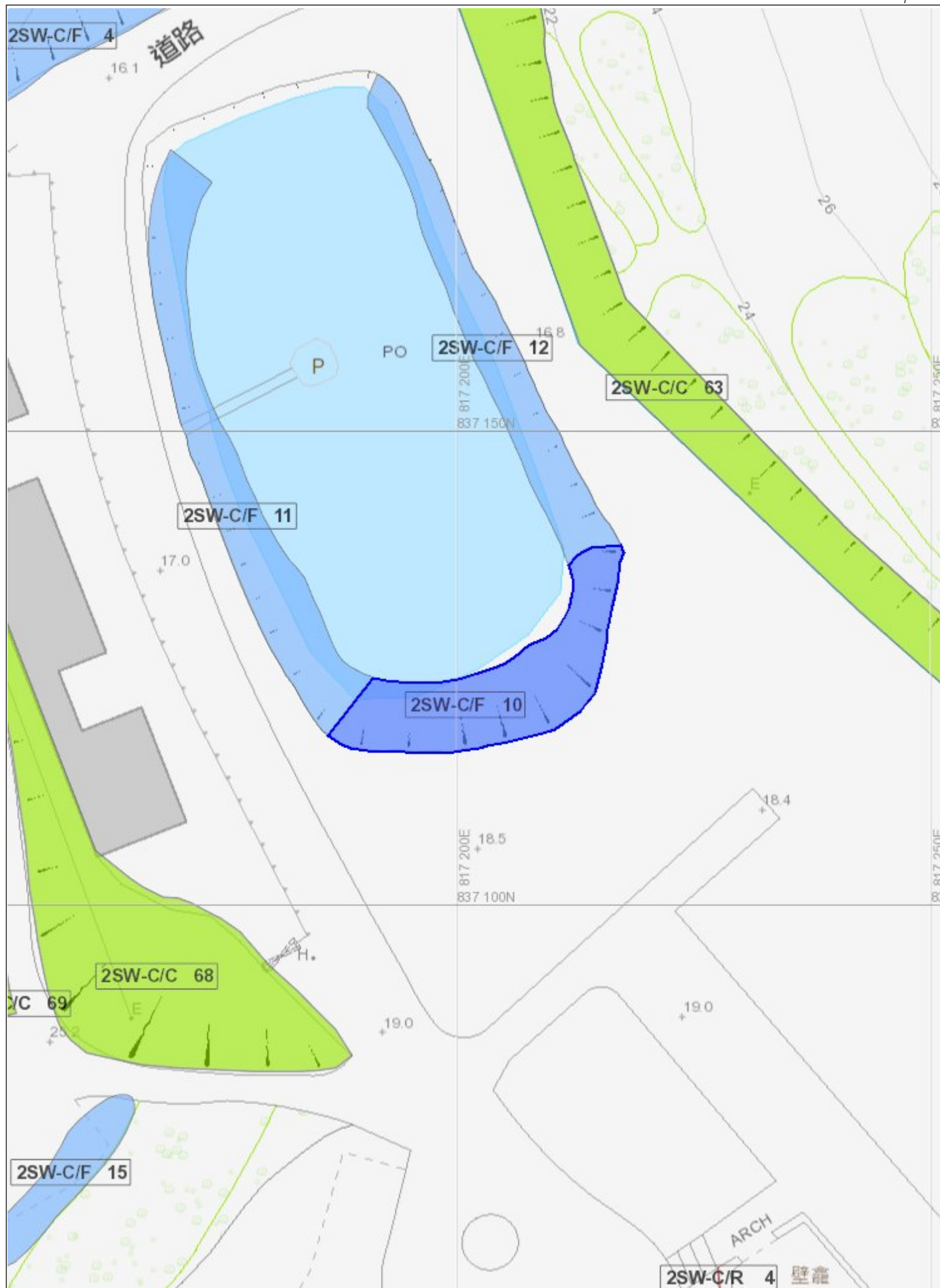
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: WAN FAU SIN KOON, DEEP BAY ROAD, LAU FAU SHAN

Registration Date: 06-05-1998

Ranking Score (NPRS): 4 (EI)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: SIRST

Approximate Coordinates: Easting : 817174 Northing : 837147

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 60 Average Angle (deg): 35

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi) Reason Code: 59 MR Endorsement Date: 20-06-2012
(2) Sub Div.: 0 Mixed Feature Party: STT1345 Agent: N/A Land Cat.: 1,5b(vi) Reason Code: 3 MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 09-03-1998
Data Source: SIRST
Slope Part Drainage: N/A

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

N/A

SERVICES

N/A



CHECKING STATUS INFORMATION

Tagmark: SCS_3337 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1981), 39310 (1981)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 09-03-1998
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1979

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

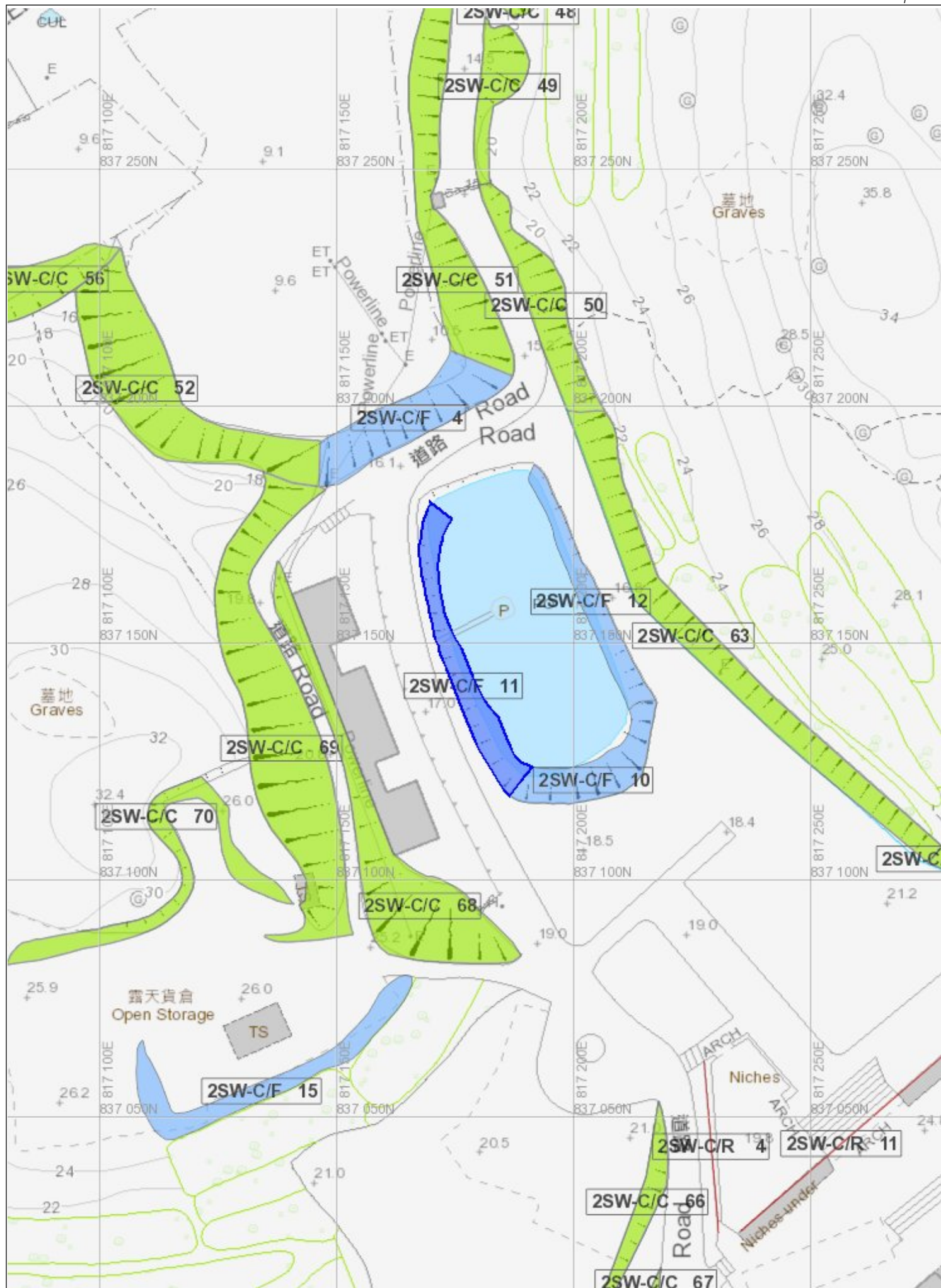
PHOTO



2SW-C/F 11

GENERAL VIEW

F9



BASIC INFORMATION

Location: WAN FAU SIN FOON, DEEP BAY ROAD, LAU FAU SHAN

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: SIRST

Approximate Coordinates: Easting : 817203 Northing : 837160

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: District open space

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 55 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 20-06-2012
(2) Sub Div.: 0	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 09-03-1998
Data Source: SIRST
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%):	Bare: 15	Vegetated: 85	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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3338 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1981), 39310 (1981)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 09-03-1998
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1979

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

Type of Crest Facility: District open space

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

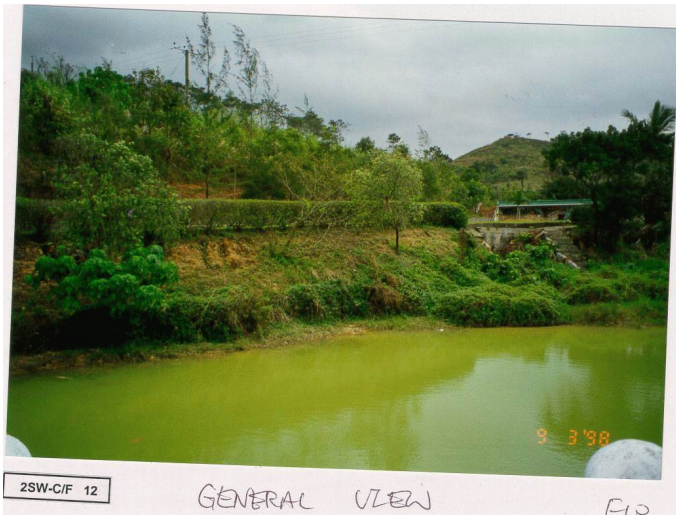
Check / repair Services:

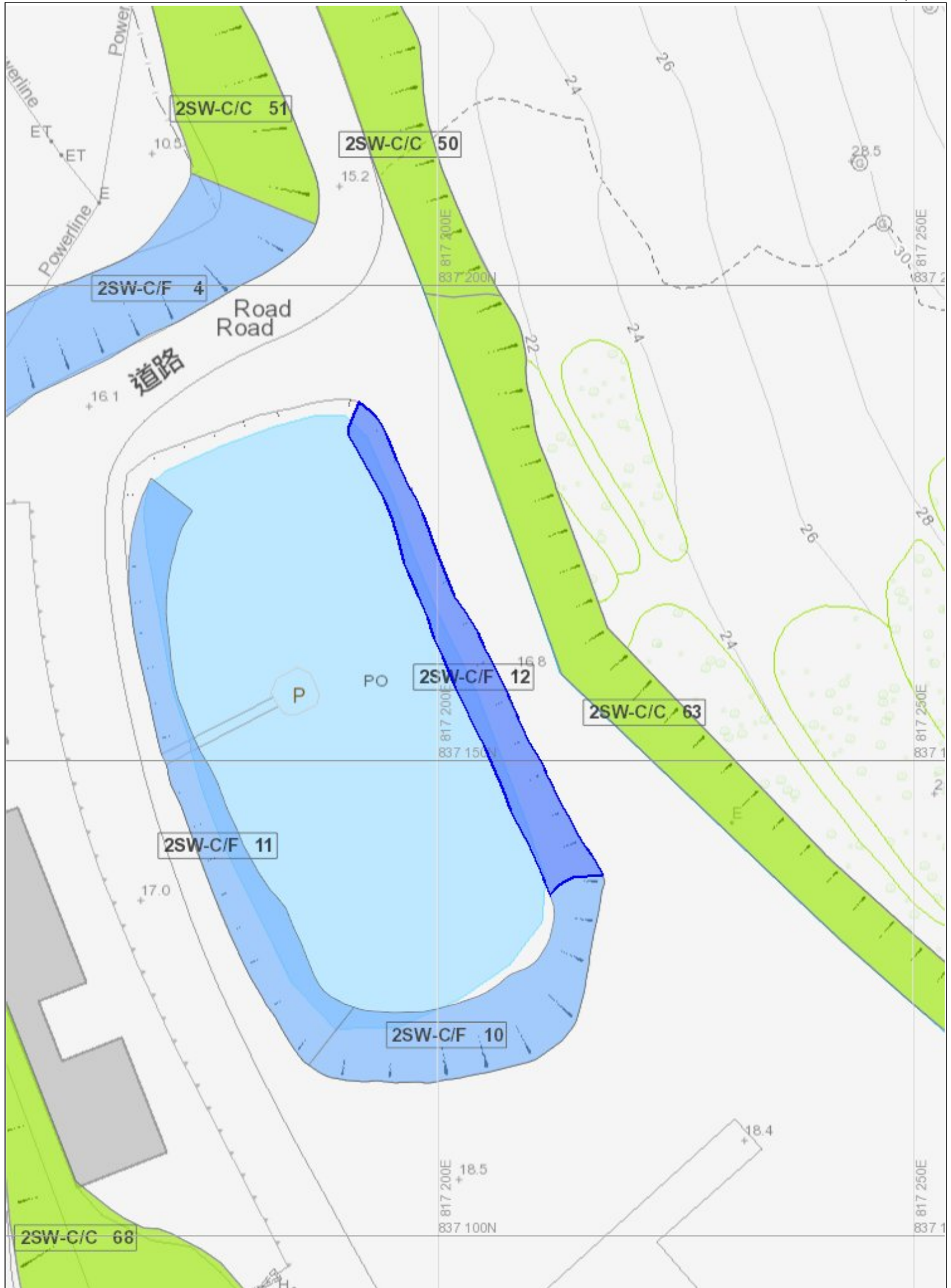
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: WAN FAU SIN KOON, DEEP BAY ROAD, LAU FAU SHAN

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (Notional)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: SIRST

Approximate Coordinates: Easting : 817229 Northing : 837048

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 2

Facility at Toe: District open space

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 4 Length (m): 39 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 LOT 1857 S.A	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 16-06-2021
(2) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 16-06-2021
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 16-06-2021

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 09-03-1998
Data Source: SIRST
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: Water Main Size(mm): 60 Location: On crest Remark: N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3340 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1982), 39310 (1982)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 09-03-1998
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1979

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: District open space

Distance from Toe(m): 0

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

Distance from Crest(m): 2

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

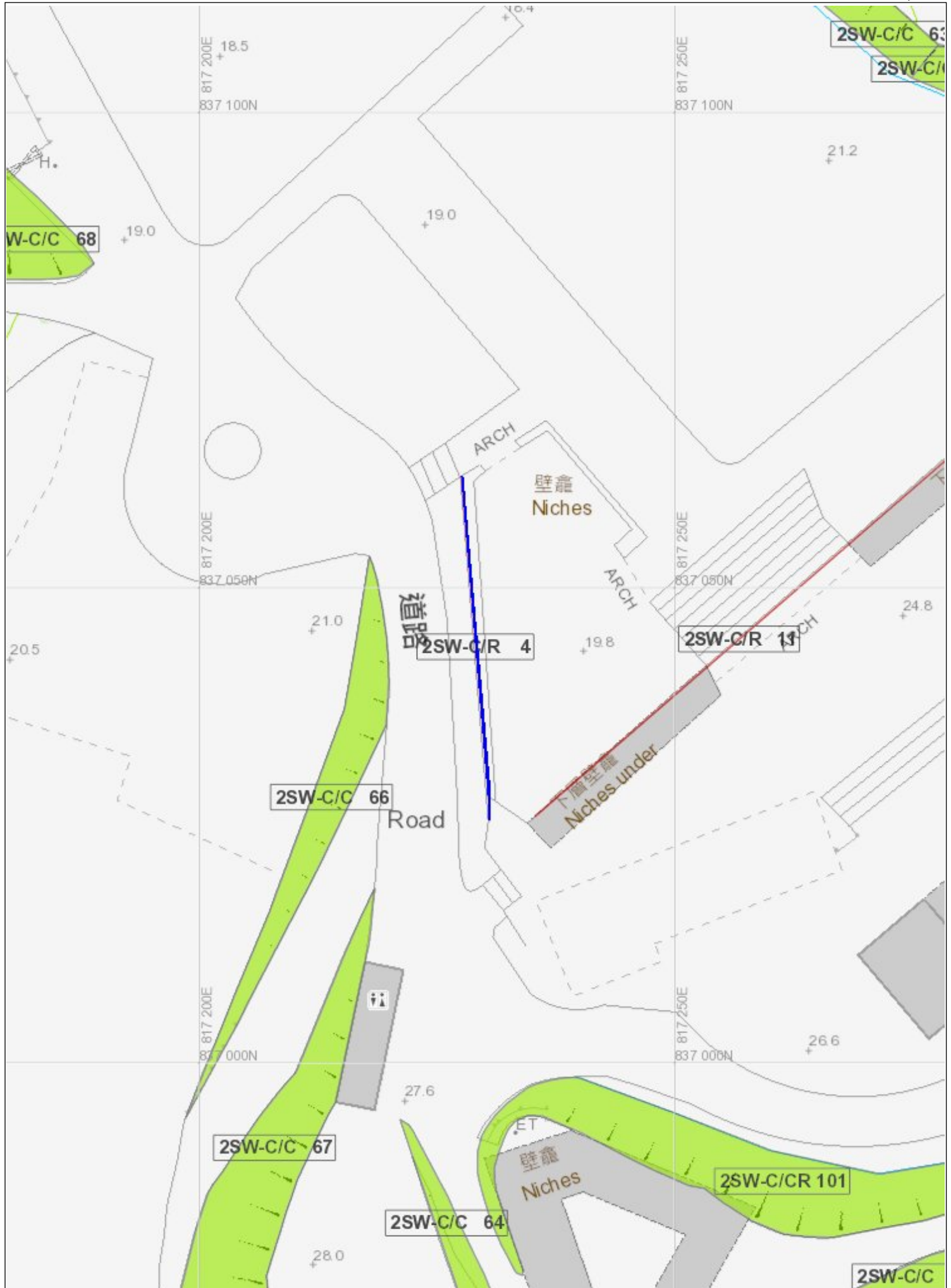
PHOTO



2SW-C/R 4

GENERAL VIEW

F2



BASIC INFORMATION

Location: WAN FAU SIN KOON, LAU FAU SHAN, YUEN LONG

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: EI(Lands D)

Approximate Coordinates: Easting : 817270 Northing : 837056

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: District open space

Distance of Facility from Crest (m): 0

Facility at Toe: Columbarium

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 4.5 Length (m): 97 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 LOT 1857 S.A	Agent: N/A	Land Cat.: 1	Reason Code: 1	MR Endorsement Date: 16-06-2021
(2) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 16-06-2021
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 16-06-2021

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 15-07-2015
Data Source: EI(Lands D)
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

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3341 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22B1
Map Sheet Reference (1:1000): 2SW-22B
Aerial Photos: 39309 (1981), 39310 (1981)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 15-07-2015
Date of Construction, Subsequent
Modification and Demolition: N/A

Related Reports/Files or Documents:

File/Report: DLC/BC	Ref. No.: GCMW 4/1C/2-2 pt.19 f(13,14,17,22)
File/Report: DLC/BC	Ref. No.: GCMW 4/1C/2-2 pt.19 f(13,14,17,22)
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95
File/Report: Development	Ref. No.: GCMW 9068/95

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: 26/05/2022)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Columbarium

Distance from Toe(m): 0

Type of Crest Facility: District open space

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

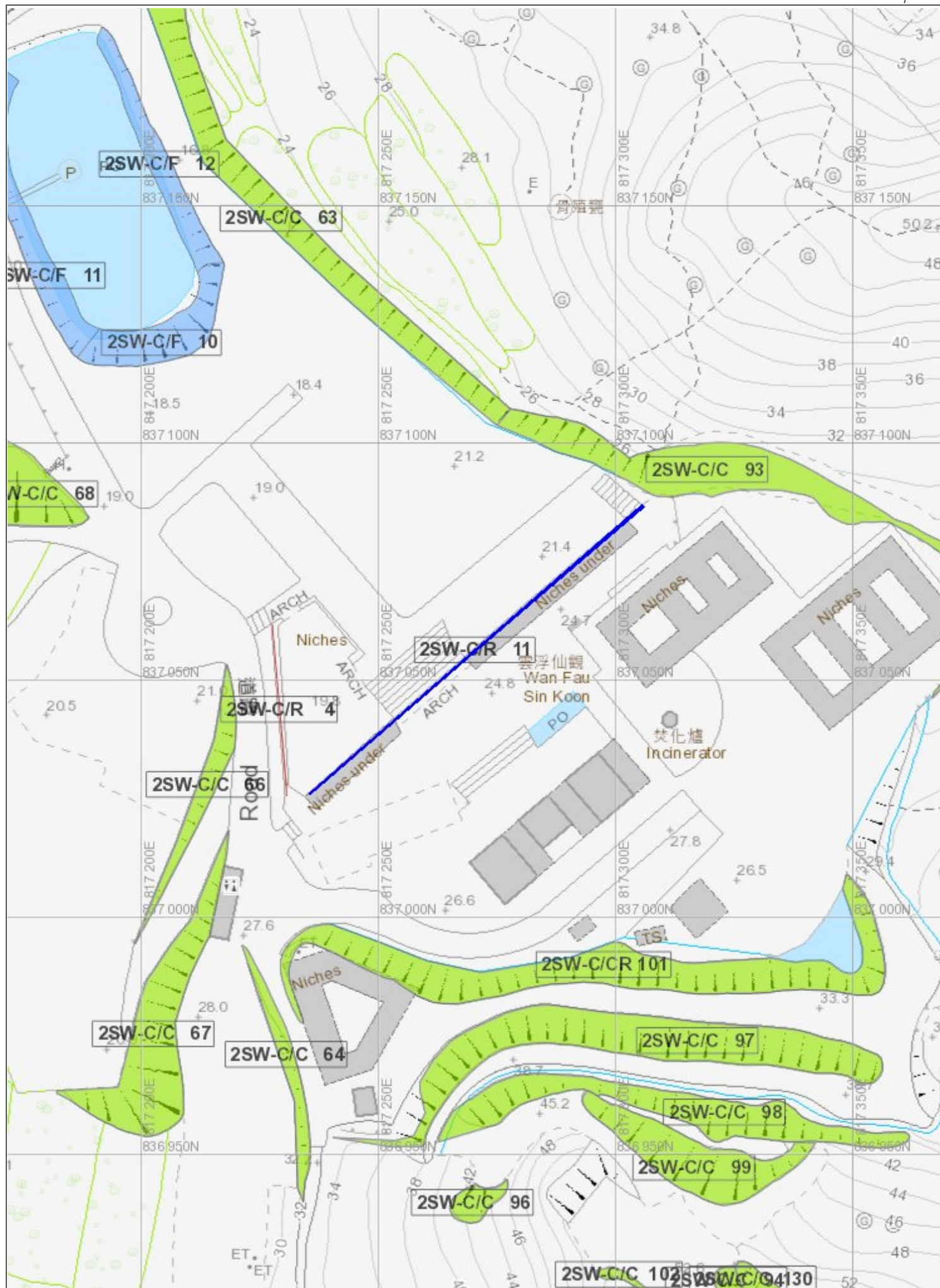
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long.

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/

Modification:

Data Source: EI(Lands D)

Approximate Coordinates: Easting : 817177 Northing : 837205

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5.5 Length (m): 42 Average Angle (deg): 30

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 06-07-1999

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 17-03-2015
Data Source: EI(Lands D)
Slope Part Drainage: N/A

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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

N/A

BACKGROUND INFORMATION

GIU Cell Ref.: N/A
Map Sheet Reference (1:1000): N/A
Aerial Photos: N/A

Nearest Rainguage Station
(Station Number): ()

Data Collected On: 17-03-2015
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1978

Related Reports/Files or Documents: File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-3 pt.3 f(20), pt.18 f(6, 7)
File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-3 pt.3 f(20), pt.18 f(6, 7)
File/Report: LA Ref. No.: GCMW 5/3/10(W) pt. 6 f(55, 60)
File/Report: LA Ref. No.: GCMW 5/3/10(W) pt. 6 f(55, 60)

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: 10/08/2023)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

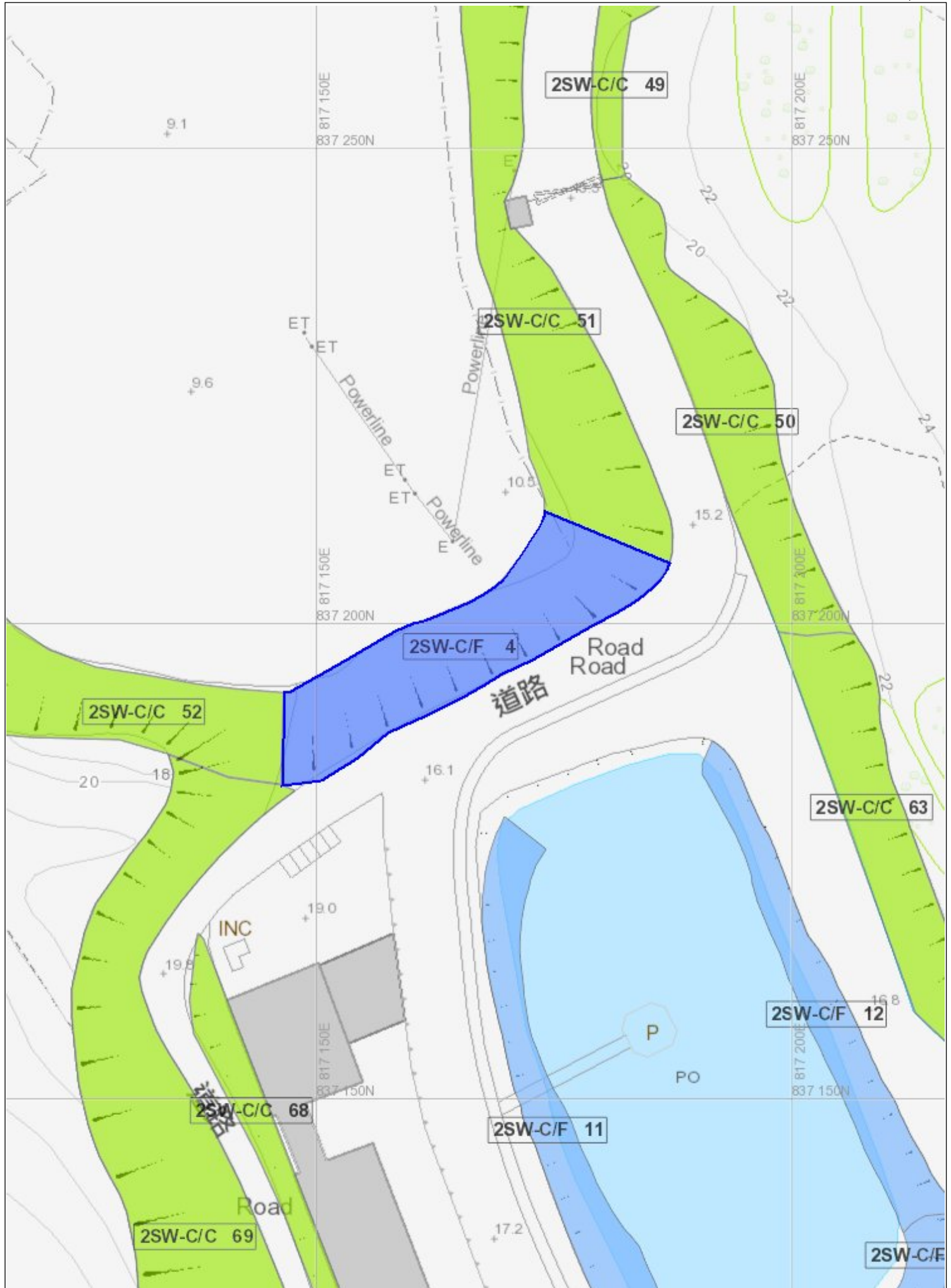
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/

Modification:

Data Source: EI

Approximate Coordinates: Easting : 817168 Northing : 837263

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5.5 Length (m): 85 Average Angle (deg): 55

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 24-11-2006

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 13-09-2001
Data Source: EI
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 0 Chunam: 0 Shotcrete: 0 Other Cover: 100
Material Description: Material type: Soil Geology: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A



CHECKING STATUS INFORMATION

Tagmark: 15081_1_5 Part: 1 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW17C9
Map Sheet Reference (1:1000): 2SW-17C
Aerial Photos: 51451 (1983), 51452 (1983)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 13-09-2001
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1983 After: 1981

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: 10/08/2023)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

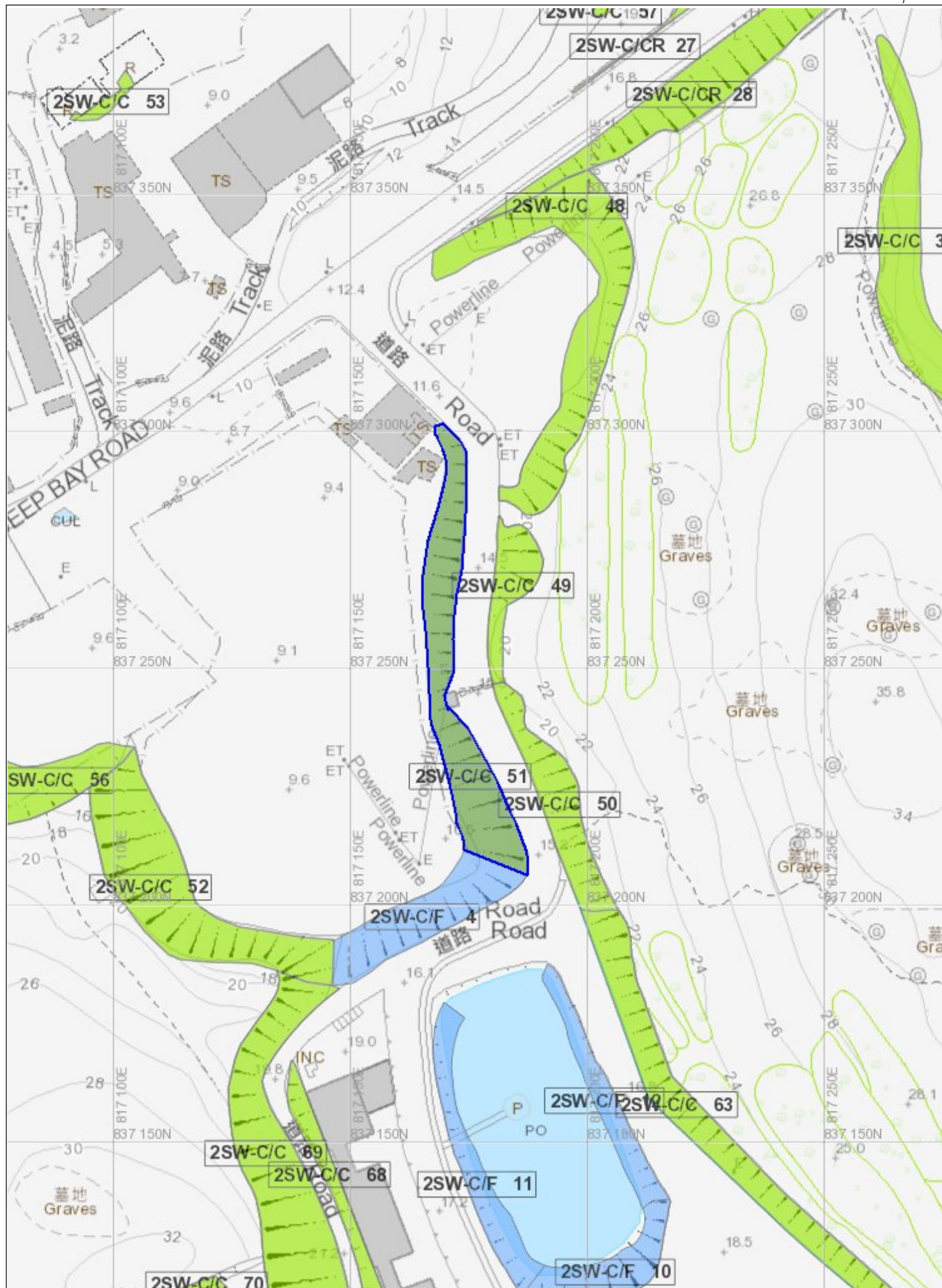
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: pre-1977

Date of Construction/

Modification:

Data Source: Project Office

Approximate Coordinates: Easting : 817106 Northing : 837212

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: District open space

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 9 Length (m): 74 Average Angle (deg): 50

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 25-08-2006

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 08-12-2006
Data Source: Project Office
Slope Part Drainage: N/A

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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW17C9
Map Sheet Reference (1:1000): 2SW-17C
Aerial Photos: 16435 (1976), 16436 (1976)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 08-12-2006
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1963 After: N/A
Modification: Modified Before: 1976 After: 1963

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

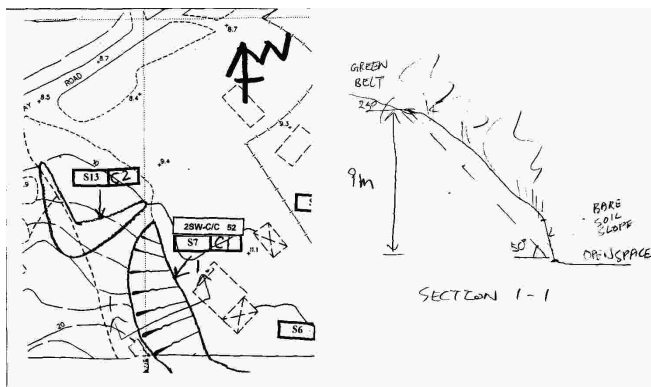
From Maintenance Department: (Last Updated Date: 10/08/2023)

STAGE 1 STUDY REPORT

Inspected On: 03-03-1998

Weather: Mainly Fine

District: MW



Section No: 1-1

Height(m): H1 : 9 , H2 : 0

Type of Toe Facility: District open space

Distance from Toe(m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category: 3

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: 3

Engineering Judgement: P

Sign of Seepage:	Slope : No signs of seepage Wall : N/A
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):	3
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

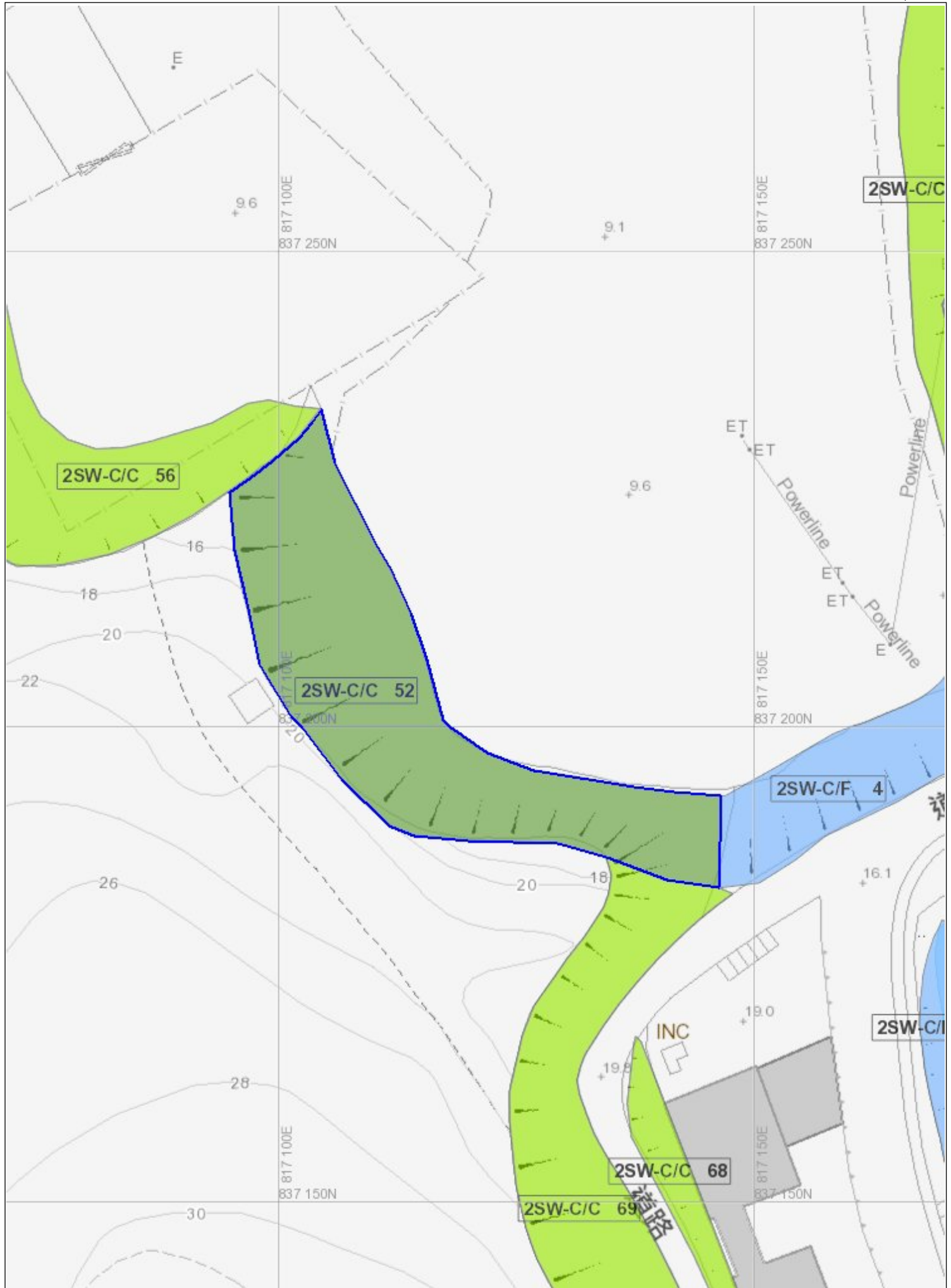
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan

Registration Date: 06-05-1998

Ranking Score (NPRS): 0 (EI)

Date of Formation: post-1977

Date of Construction/
Modification:

Data Source: EI(Lands D)

Approximate Coordinates: Easting : 817137 Northing : 837135

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0.5

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 105 Average Angle (deg): 35

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: DD129 Lot1862	Agent: N/A	Land Cat.: 1,5b(vi),7	Reason Code: 1	MR Endorsement Date: 01-06-1999
(2) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi),7	Reason Code: 62	MR Endorsement Date: 01-06-1999

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 01-11-2001
Data Source: EI(Lands D)
Slope Part Drainage: N/A

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: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

(1) Utilities Type: Water Main Size(mm): 25 Location: On slope Remark: N/A

CHECKING STATUS INFORMATION

Tagmark: 15084_1_5 Part: 1 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1981), 39310 (1981)

Nearest Rainguage Station
(Station Number): Hong Shui House, Shui Pin Wai Estate(N12)

Data Collected On: 01-11-2001
Date of Construction, Subsequent
Modification and Demolition: Modification: Constructed Before: 1981 After: 1979

Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95

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: 10/08/2023)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0.5

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

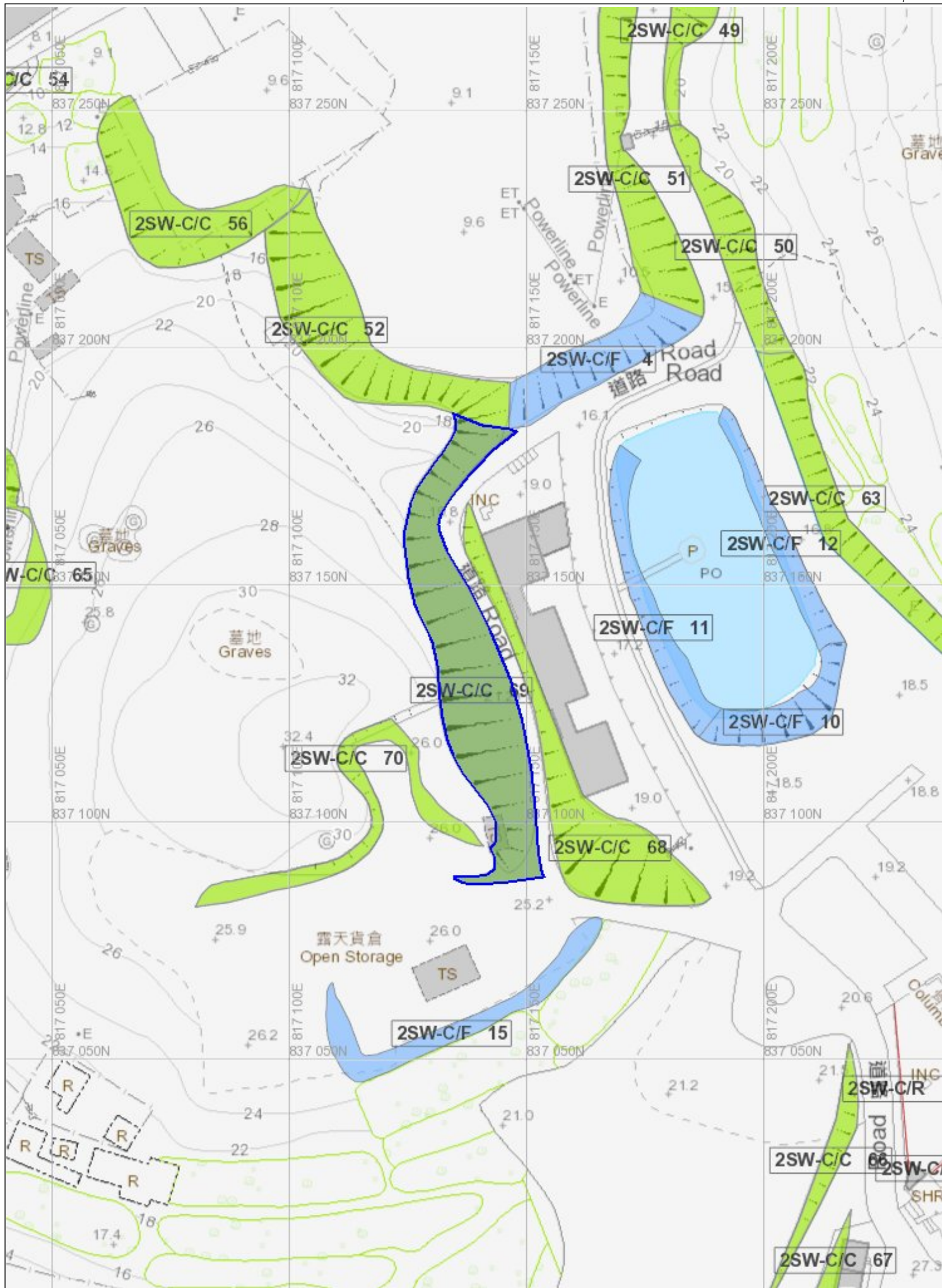
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long.
Registration Date: 06-05-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: post-1977
Date of Construction/ Modification:
Data Source: EI
Approximate Coordinates: Easting : 817193 Northing : 837224

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt
Distance of Facility from Crest (m): 0
Facility at Toe: Road/footpath with low traffic density
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 3
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 4 Length (m): 50 Average Angle (deg): 50

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 5b(vi)	Reason Code: 62	MR Endorsement Date: 20-06-2012
(2) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 20-06-2012
(3) Sub Div.: 2	Mixed Feature	Party: STT1345	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 13-09-2001
Data Source: EI
Slope Part Drainage: (1) Position: Toe Size(mm): 325
Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0 Vegetated: 0 Chunam: 0 Shotcrete: 0 Other Cover: 100
Material Description: Material type: Soil Geology: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A

WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_3342 Part: 0 Checking Status: Others (See remarks) Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW17C9
Map Sheet Reference (1:1000): 2SW-17C
Aerial Photos: 39309 (1981), 39310 (1981)
Nearest Rainuage Station (Station Number): Hong Shui House, Shui Pin Wai Estate(N12)
Data Collected On: 13-09-2001
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1981 After: 1979
Related Reports/Files or Documents: File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-2 pt.3 f(20), pt.18 f(6, 7)
File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-2 pt.3 f(20), pt.18 f(6, 7)
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: 26/06/2025)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A



OTHER EXTERNAL ACTION

Check / repair Services:

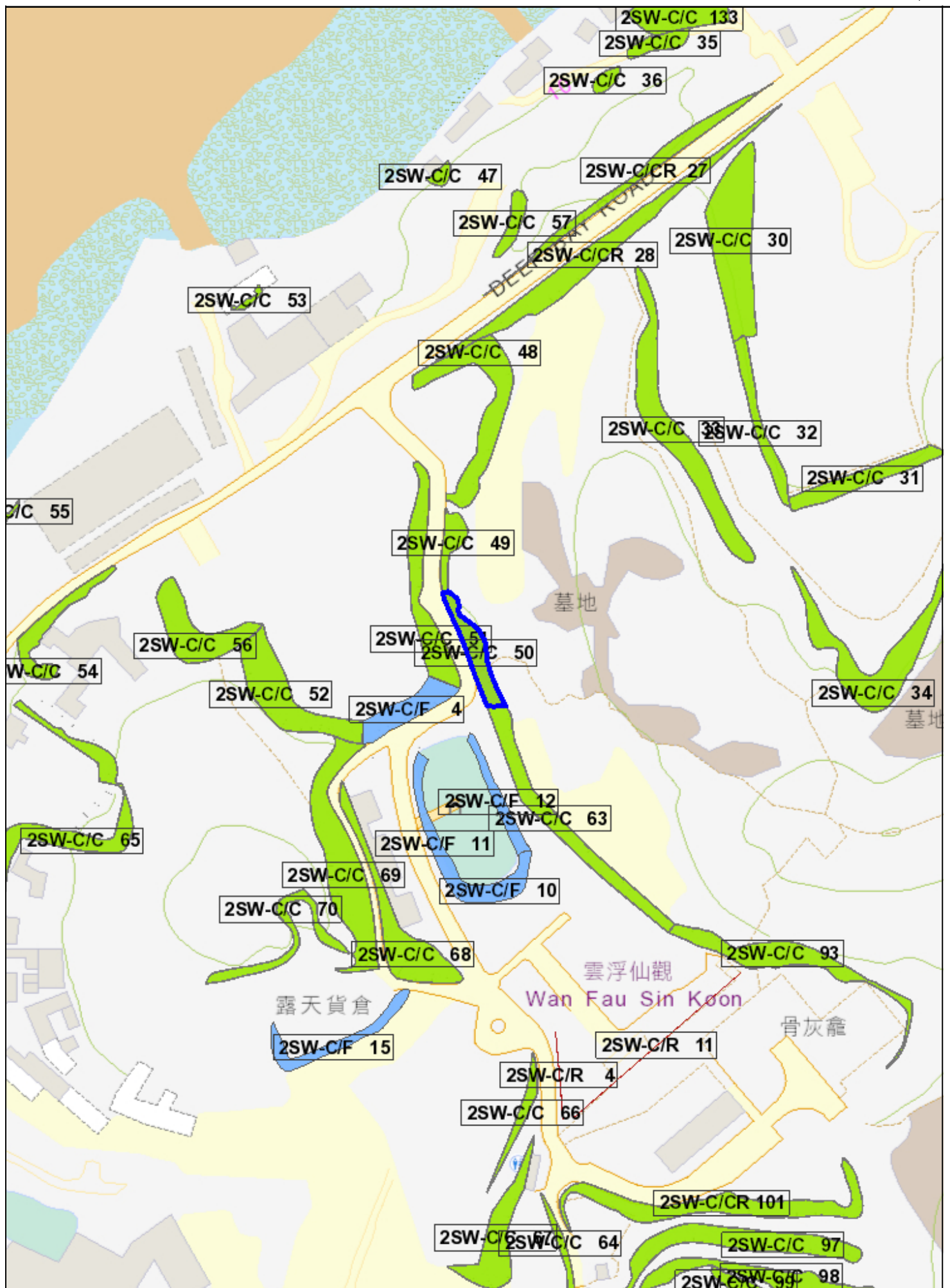
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long
Registration Date: 06-05-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: post-1977
Date of Construction/ Modification:
Data Source: EI
Approximate Coordinates: Easting : 817168 Northing : 837263

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density
Distance of Facility from Crest (m): 0
Facility at Toe: Lightly-used open area/facilities
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 3
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5.5 Length (m): 85 Average Angle (deg): 55

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 24-11-2006

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 13-09-2001
Data Source: EI
Slope Part Drainage: N/A
Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 0 Chunam: 0 Shotcrete: 0 Other Cover: 100
Material Description: Material type: Soil Geology: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A

WALL PART

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: 15081_1_5 Part: 1 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.:	2SW17C9
Map Sheet Reference (1:1000):	2SW-17C
Aerial Photos:	51451 (1983), 51452 (1983)
Nearest Rainguage Station (Station Number):	Hong Shui House, Shui Pin Wai Estate(N12)
Data Collected On:	13-09-2001
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1983 After: 1981
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: 26/06/2025)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:



Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long
Registration Date: 06-05-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: pre-1977
Date of Construction/ Modification:
Data Source: Project Office
Approximate Coordinates: Easting : 817106 Northing : 837212

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt
Distance of Facility from Crest (m): 0
Facility at Toe: District open space
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 3
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 9 Length (m): 74 Average Angle (deg): 50

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 25-08-2006

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 08-12-2006
Data Source: Project Office
Slope Part Drainage: N/A
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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

N/A

BACKGROUND INFORMATION

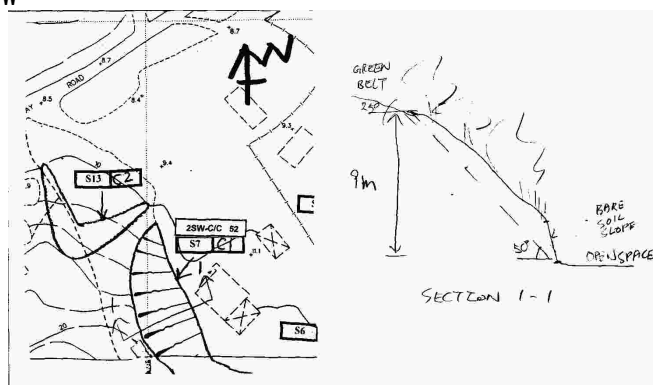
GIU Cell Ref.:	2SW17C9
Map Sheet Reference (1:1000):	2SW-17C
Aerial Photos:	16435 (1976), 16436 (1976)
Nearest Rainguage Station (Station Number):	Hong Shui House, Shui Pin Wai Estate(N12)
Data Collected On:	08-12-2006
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1963 After: N/A Modification: Modified Before: 1976 After: 1963
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: 26/06/2025)

STAGE 1 STUDY REPORT

Inspected On: 03-03-1998
Weather: Mainly Fine
District: MW



Section No: 1-1
Height(m): H1 : 9 , H2 : 0
Type of Toe Facility: District open space
Distance from Toe(m): 0
Type of Crest Facility: Undeveloped green belt
Distance from Crest(m): 0
Consequence Category: 3
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: 3
Engineering Judgement: P
Sign of Seepage: Slope : No signs of seepage
Wall : N/A
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): 3
Observations: N/A
Emergency Action Required: N
Action By: N/A



ACTION TO INITIATE PREVENTIVE WORKS

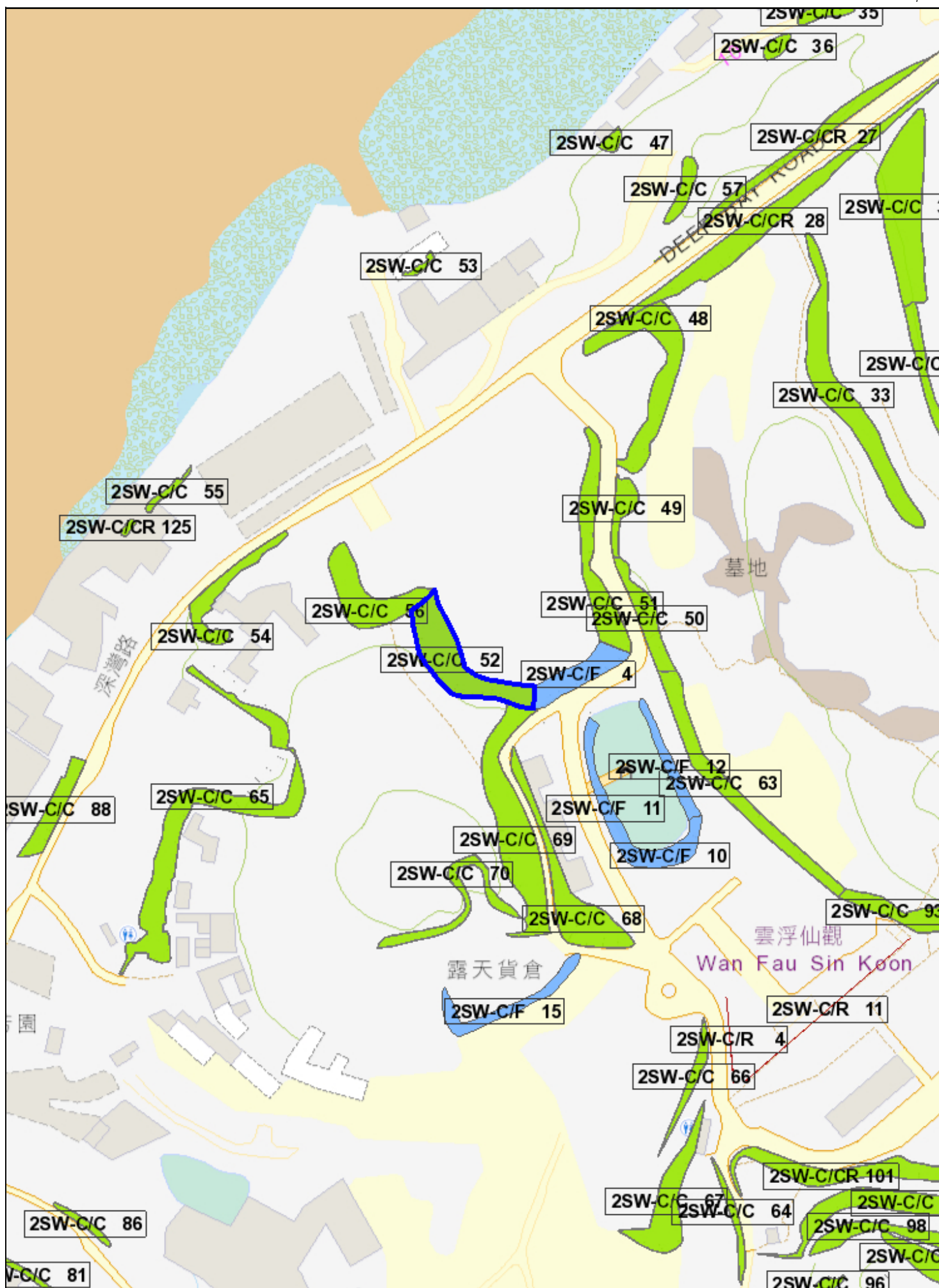
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan
Registration Date: 06-05-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: post-1977
Date of Construction/ Modification:
Data Source: EI(Lands D)
Approximate Coordinates: Easting : 817137 Northing : 837135

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt
Distance of Facility from Crest (m): 0
Facility at Toe: Road/footpath with low traffic density
Distance of Facility from Toe (m): 0.5
Consequence-to-life Category: 3
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 105 Average Angle (deg): 35

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1 Mixed Feature Party: DD129 Lot1862 Agent: N/A Land Cat.: 1,5b(vi),7 Reason Code: 1 MR Endorsement Date: 01-06-1999
(2) Sub Div.: 2 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi),7 Reason Code: 62 MR Endorsement Date: 01-06-1999

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 01-11-2001
Data Source: EI(Lands D)
Slope Part Drainage: N/A
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: Decomposed granite
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A

WALL PART

N/A

SERVICES

(1) Utilities Type: Water Main Size(mm): 25 Location: On slope Remark: N/A

CHECKING STATUS INFORMATION

Tagmark: 15084_1_5 Part: 1 Checking Status: No checking records Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 2SW22A3
Map Sheet Reference (1:1000): 2SW-22A
Aerial Photos: 39309 (1981), 39310 (1981)
Nearest Rainguage Station (Station Number): Hong Shui House, Shui Pin Wai Estate(N12)
Data Collected On: 01-11-2001
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1981 After: 1979
Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
File/Report: Development Ref. No.: GCMW 9068/95
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: 26/06/2025)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0.5

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:



Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Near Wan Fau Sin Koon, Deep Bay Road, Lau Fau Shan, Yuen Long.
Registration Date: 06-05-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: pre-1977
Date of Construction/ Modification:
Data Source: EI(Lands D)
Approximate Coordinates: Easting : 817177 Northing : 837205

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density
Distance of Facility from Crest (m): 0
Facility at Toe: Lightly-used open area/facilities
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 3
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5.5 Length (m): 42 Average Angle (deg): 30

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 06-07-1999

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 17-03-2015
Data Source: EI(Lands D)
Slope Part Drainage: N/A
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

N/A

SERVICES

N/A

CHECKING STATUS INFORMATION

N/A

BACKGROUND INFORMATION

GIU Cell Ref.:	N/A
Map Sheet Reference (1:1000):	N/A
Aerial Photos:	N/A
Nearest Rainguage Station (Station Number):	()
Data Collected On:	17-03-2015
Date of Construction, Subsequent Modification and Demolition:	Modification: Constructed Before: 1981 After: 1978
Related Reports/Files or Documents:	File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-3 pt.3 f(20), pt.18 f(6, 7) File/Report: DLC/BC Ref. No.: GCMW 4/1C/2-3 pt.3 f(20), pt.18 f(6, 7) File/Report: LA Ref. No.: GCMW 5/3/10(W) pt. 6 f(55, 60) File/Report: LA Ref. No.: GCMW 5/3/10(W) pt. 6 f(55, 60)
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: 26/06/2025)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Lightly-used open area/facilities

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

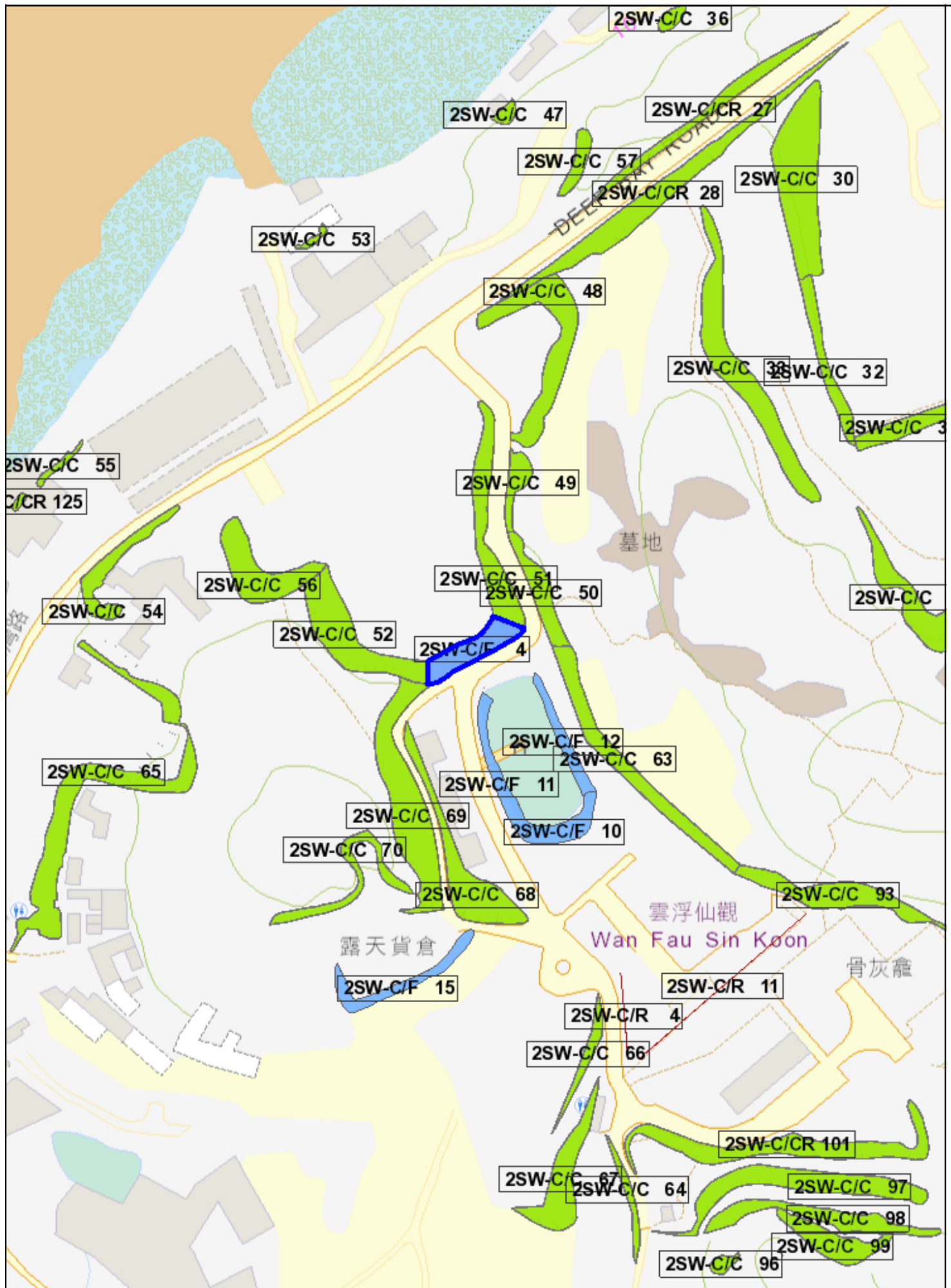
Check / repair Services:



Action By: N/A
Non-routine Maintenance:
Action By: N/A

PHOTO





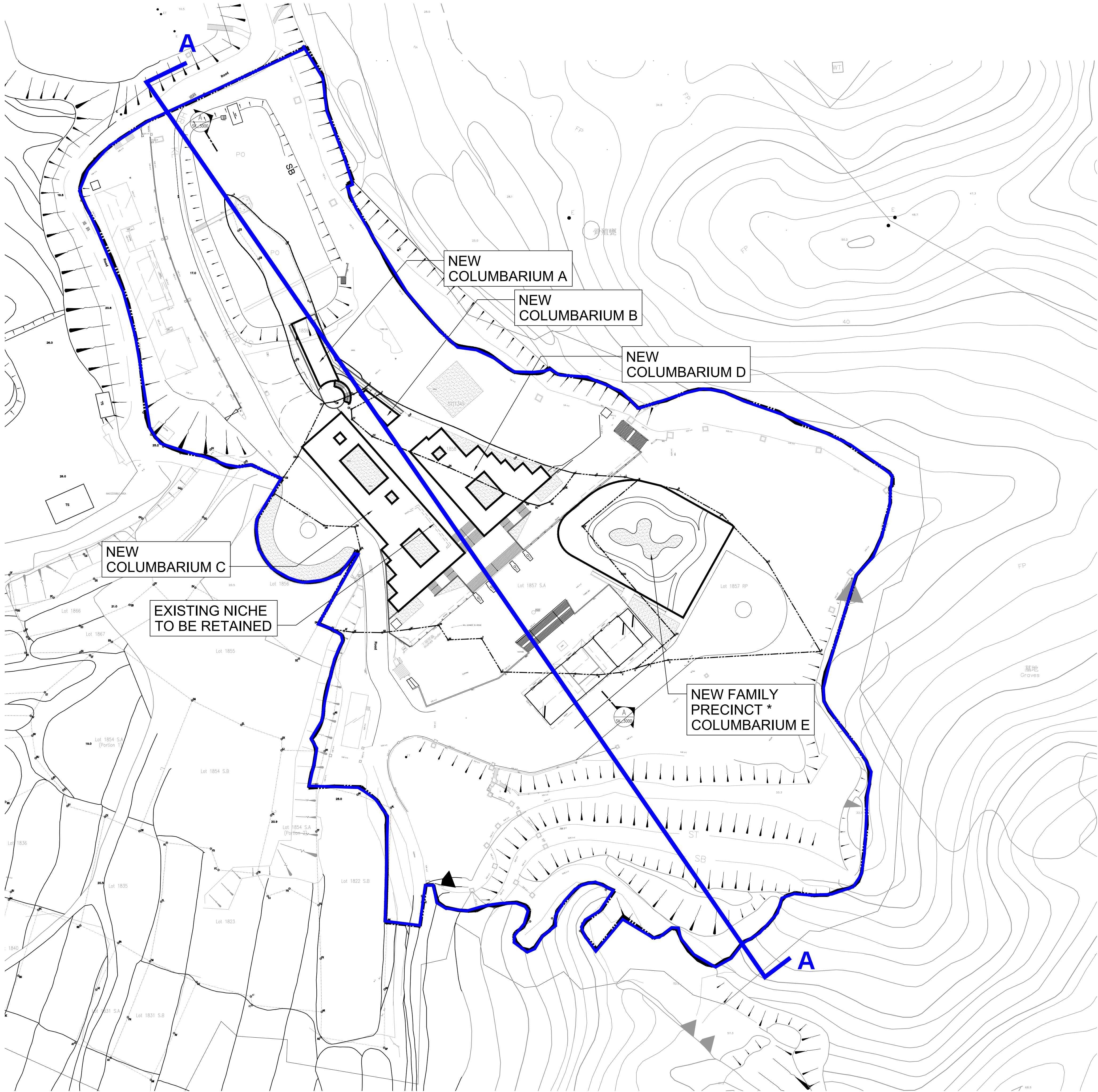
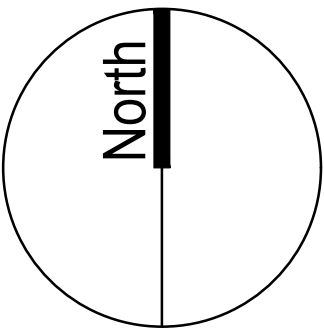


B

Latest Architectural Drawings



Appendix B – Latest Architectural Drawings



NICHE CALCULATION:

1.	NEW COLUMBARIUM A (QUAD)	= 84 No.s
2.	NEW COLUMBARIUM B (QUAD)	= 228 No.s
3.	NEW COLUMBARIUM C (QUAD)	= 200 No.s
3.	NEW COLUMBARIUM C (DOUBLE)	= 1104 No.s
4.	NEW COLUMBARIUM D (DOUBLE)	= 1720 No.s
5.	NEW COLUMBARIUM E (QUAD)	= 488 No.s

QUAD NICHEs SUB-TOTAL	= 1000 No.s
DOUBLE NICHEs SUB-TOTAL	= 2824 No.s

TOTAL NOS. OF NICHE = 3,824
(NOT INCLUDE EXISTING SOLD NICHEs)

PLEASE NOTE THE COLUMBARIUM E (FAMILY PRECINCT) WOULD BE A DEDICATED ZONE, CONSISTING OF A RANGE OF 22 –32 NOS. OF INDIVIDUAL STRUCTURES FOR FAMILY NICHEs WITH A BUILT OVER AREA OF NOT MORE THAN 319.732SQM. PLEASE NOTE THAT THE DESIGN OF THE COLUMBARIUM E IS INDICATIVE ONLY AND WILL BE SUBJECT TO REVIEW IN THE DETAILED DESIGN STAGE

* THE FAMILY PRECINCT IS A DEDICATED ZONE THAT HOLDS MULTIPLE INDIVIDUAL STRUCTURES WITH FAMILY NICHEs. THE SITE FEATURES A FAMILY PRECINCT WHERE GENERATIONS ARE HONOURED TOGETHER IN PRIVATE FAMILY NICHEs



LAND FILL F2
AREA: 386.184 sqm
DEPTH:0~1m

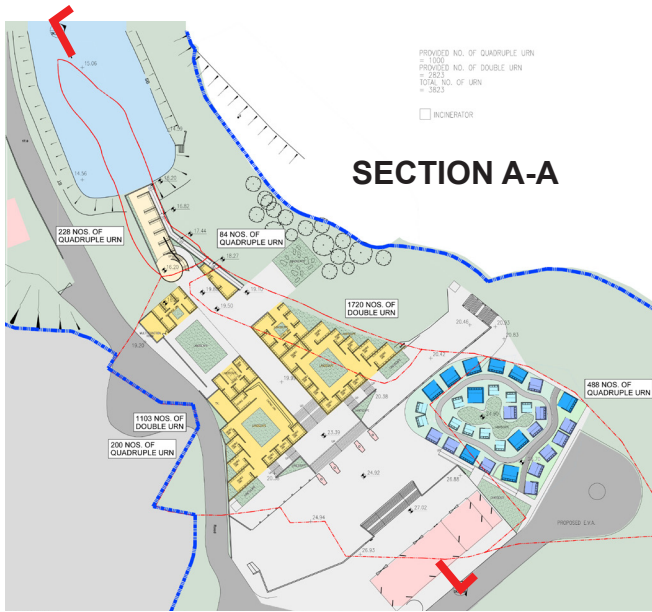
LAND FILL F1
AREA: 23.328 sqm
DEPTH: 0m ~ 1.6m

LAND EXCAVATION E1
AREA: 279.674 sqm
DEPTH: 0m ~ 2.2m

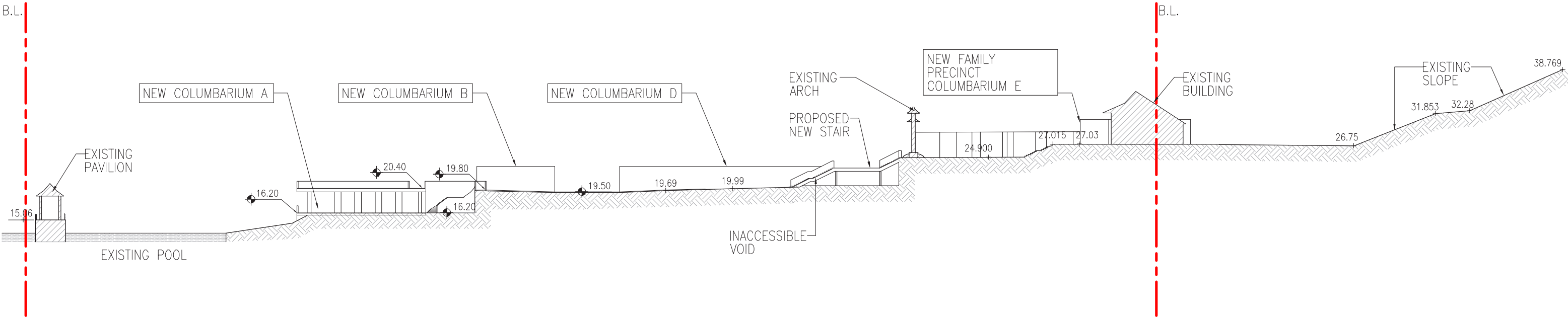
LAND EXCAVATION E2
AREA: 986.801 sqm
DEPTH: 0~0.8m

LAND FILL F3
AREA: 1374.523 sqm
DEPTH:0~0.8m

LAND FILL
AREA: 264.224 sqm
DEPTH: 0m ~ 3.1m



SECTION A-A



SECTION A-A

wsp

