

**Geotechnical Planning Review Report
for the columbaria license
s.16 application,
at Ten Thousand Buddhas Monastery,
No. 221 Pai Tau Village,
Sha Tin, New Territories,
Hong Kong**



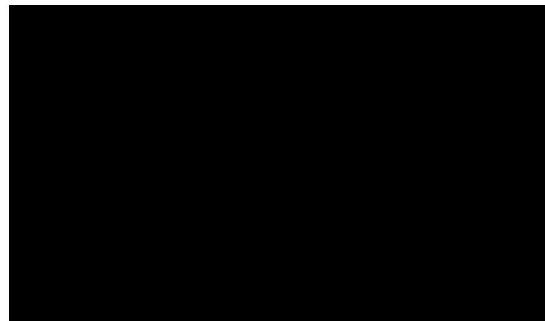
Chan Kin Ming 陳健明
MStructE MICE CEng
MHKIE RPE (CVL GEL STL)
RP 0200905
Maurice Lee & Associates Ltd.

Client

香港萬佛寺管理委員會有限公司
香港新界沙田鄉事委員會信箱 12 號

The Engineer

Maurice Lee & Associates Ltd.



Job No.: HA971

Document No.: HA971/R05

Date: 24 July 2025

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Document No. HA971/R05

1 st Issue	30 March 2020	MX	KM
Revision	Date	Prepared	Checked
2 nd Issue	24 July 2025	MY	KM

1. Introduction

1.1. Term of Reference

The Hong Kong Ten Thousand Buddhas Monastery Management Committee Limited (TTBM) has applied the columbaria license under the Private Columbaria Ordinance for the “Ng Sheung Din” “Lung Wah Tong” “Mei Tor Din” and “Lung Wah Kok” inside the Shatin Ten Thousand Buddhas Monastery (herein after called the “Premises”). The proposed layout plan and CEDD’s recent and previously comments in connection with the license application are enclosed in Appendix 4. Maurice Lee & Associates Ltd. (MLAL) was appointed by the TTBM to provide Authorized Person (AP) and Registered Structural Engineer (RSE) services for supporting the license application.

1.2. GEO CEDD Comments

Earlier comment from CEO CEDD pointing out that there are man-made slopes/retaining walls with height greater than 6m within 6m of two of the columbarium buildings, namely “Mei Tor Din” and “Lung Wah Kok” in concern with the license application, Geotechnical Planning Review Report is provided herewith for fulfilling the requirement for “Application for Permission Under Section 16 of the Town Planning Ordinance (CAP.131), Guidance Notes”. The GPRR’s essential content is prepared according to “GEO Advice Note for Planning Applications under Town Planning Ordinance (CAP.131)”.

Furthermore, latest comment was received on 8 April 2025 from North District Planning Office enclosing the comment from GEO pointing out that there are Feature Nos. 7SW-B/R127 and 7SW-B/R131 located near to the western boundary of the proposed Columbarium Building no.4 which appear affecting or being affected by the building site concerned, a review on their stability conditions have thus been conducted and the concerned Engineer Inspection report is enclosed in Appendix 3

1.3. Historical Background

In the morning of 2 July 1997, a landslide occurred at the subject slope behind Ten Thousand Buddhas Monastery. A building known as Kun Yam Din was damaged and an adjacent annex building was buried by the landslide debris. The landslide resulted in one fatality in the annex building, and one person in Kun Yam Din was slightly injured. The landslide debris from the failed slope piled up to a depth of about 6 m behind Kun

Yam Din and extended from the crest of the landslide to the distal end of the debris for a distance of about 40 m, as referred to the Section shown along Grid line 6 in Drawing No. HA564/CS01J and HA564/SF15L in Appendix 1.

After the landslide, the Geotechnical Engineering Office (GEO) of the Civil Engineering Development Department (CEDD) commenced a detailed investigation into the failure. The investigation was undertaken by GEO's landslide investigation consultants, Halcrow Asia Partnership Ltd. (HAPL), with geological input from the Hong Kong Geological Survey (HKGS) and assistance from the GEO. This investigation hereinafter referred to as the GEO Investigation was carried out during the period from July 1997 to February 1998, and the findings were presented in "Report on Landslide at Ten Thousand Buddhas Monastery of 2 Jul 1997" - HAPL, March 1998, (GEO Report No. 77) Ref. 1.

Buildings Department (BD) issued a DH Order DH 41/NT/97/C to the Owner of the lot no.313 & 324 to order for an investigation and remedial works dated 4 September 1997 as a landslide happened there on 2 July 1997 and also an DH Order DH0173/NT/09/C dated 13 November 2009 was later served.

In late 1998 and July 2010, Maurice Lee & Associates Ltd. (MLAL) was appointed by Shatin Ten Thousand Buddhas' Monastery Ltd (STTBM) as Authorized Person (AP), Registered Structural Engineer (RSE) and Geotechnical consultant of the captioned site to handle the investigation, design and supervision of the remedial works.

1.4 Progress of the Remedial Works

Remedial works plan and the subsequent amendments proposed by MLAL were approved by BD on 24 August 2016. The whole remedial works were originally planned to be conducted in two phases, phase 1 being intended for those remedial works generally locating above the existing platform (approximate +100.7mPD) while phase 2 being for those remedial works located below the platform (approximate +100.7mPD) in general. Subsequently, a major amendment was made and the approval of the concerned had been given on 3 April 2023. The latest major amendment broadly follows two phases of construction sequence. Phase 1 was revised to encompass works involving both works above and below existing platform (approximate +100.7mPD) while Phase 2 was revised to include only the remaining drainage and existing slope maintenance works.

The remedial works was started in late of 2017 and was partially completed on 30 September 2022 up to the Stage 4.5 only in Phase 1 of the Construction Sequence as according to latest amendment approved by BD on 3 April 2023 (Please refer to drawing no. HA564/CS01J as attached in Appendix 1 for details). BA14 submission

application to BD for the afore-mentioned partially completed portion was in progress while remaining works from Stage 4A of Phase 1 up to the final Phase 2 works were yet to be completed upon the date of writing of this report.

2. Conditions of the Site

2.1. Site Description

“Mei Tor Din” here also named Building No.6 (or called the proposed Columbarium Building no. 2) is a two storey concrete structure of approximately 13m (Width) x 13m (Depth) x 7m (Height). The building was enclosed by concrete walls of 380mm thick. The floor was constructed on reinforced concrete slab with a 150mm level difference with the outside ground level. The roof slab is approximately 200mm thick including the finishes and waterproofing layers. The two storeys building offers storage of 4473 units of columbaria in total.

“Lung Wah Kok” here also named Building No.7 (or called the proposed Columbarium Building no. 1) is a single storey concrete structure of approximately 7.56m (Width) x 4.56m (Depth) x 2.2m (Height). The building was enclosed by concrete walls of 380mm thick. The floor was constructed on reinforced concrete slab with a 150mm level difference with the outside ground level. The roof slab is approximately 200mm thick including the finishes and waterproofing layers. The five compartments of the building offer storage of 648 units of columbaria in total.

Both “Mei Tor Din” and “Lung Wah Kok” are located on the platform at approx. 100.7mPD within lot no.323 & 324, DD.185. The platform was formed by cut and fill. The toe of the slope behind “Lung Wah Kok” was located about 2.8m away from the building and the slope will have an approximate angle of 45° after upgrading works. The toe of the slope behind “Mei Tor Din” was located about 2.4m away from the buildings and the slope will have an approximate angle of 40° after upgrading works. Details can refer to Drawing No. HA564/SF11I and HA564/SF12I in Appendix 1.

Layout plan of “Mei Tor Din” and “Lung Wah Kok” and the slopes above and below the platform are shown in Drawing No. Drawing No. HA564/CS01J, HA564/CS02E in Appendix 1

At the western side of STT1255 area, there are Feature nos. 7SW-B/R127 and 7SW-B/R131 located close to the western side of the existing building “ Ng Sheung Din” (or called the proposed Columbarium Building no. 4) which is a two storey building measuring a foot print of approx.. 24.5m wide x 5.4m depth.

“Lung Wah Tong” here called the proposed Columbarium Building no.3 is single storey building measuring a foot print of approx.. 4.1 wide x 4.3m depth located at south side of the main Temple building site.

The Layout plan of both “Ng Sheung Din” and “Lung Wah Tong” is shown in [Appendix 4](#)

2.2. Features and Maintenance Responsibility (MR)

According to the SIS from CEDD and SIMAR and Lands Department’s reports relating to the features under Lots ownership of Lots 323 & 324 in DD185 as well as the Short Term Tenancy (STT) no. 1255 , the features maintenance responsibilities are found and the concerned details are shown in Appendix 2 . The features’ details are summarised in the Table 1 below :

Table 1 – Summary of Slope Maintenance Responsibility of Features Details

Features under Lots 323 & 324 in DD185

Feature no.		Sub Division no.	Height (m)		Angle (degree)	
			Slope	Wall	Slope	Wall
1	7SW-B/C113	-	24	-	50	-
2	7SW-B/C116	1&2	28	-	50	-
3	7SW-B/C793	-	6	-	40	-
4	7SW-B/C794	-	5	-	38	-
5	7SW-B/C795	1	21	-	30	-
6	7SW-B/FR7	-	7	5.4	50	85
7	7SW-B/FR8	-	5	1.6	35	85
8	7SW-B/FR9	-	13	3.8	35	85
9	7SW-B/R76	1	13	-	80	-

Features under STT no. 1255

Feature no.		Sub Division no.	Height (m)		Angle (degree)	
			Slope	Wall	Slope	Wall
10	7SW-B/R127	-	-	3.4	-	90
11	7SW-B/R131	-	-	4.5	-	90

3. Topographical Survey

Two topographic surveys were carried out by Land Marker (1980) H.K. Co., Ltd. and Helen Chan Professional Land Survey Ltd. in 1999 and 2004 respectively. The surveys include a search for the boundary co-ordinates of Lot no. 323 & 324. The location of “Mei Tor Din” and “Lung Wah Kok” and the slope remedial works locating below and above the +100.7mPD platform are shown in Drawing No. HA564/CS01J in Appendix 1.

4. Scope of Study

The scope of this study is confined to slopes/retaining walls affect or be affected by existing “Mei Tor Din” and “Lung Wah Kok” as well as the Feature nos. 7SW-B/R127 and 7SW-B/R131 that affect or being affected at the site at near the proposed Columbarium Building no. 4. This geotechnical report is prepared that base on the followings:

- (i) Previous slope records and reports available in the Geotechnical Information Unit (GIU);
- (ii) Lands registry records retrieved from Lands Department;
- (iii) Topographic survey carried out by Land Marker (1980) H.K. Co., Ltd. in 1999.
- (iv) BD’s approval plans of slope remedial works and its related geotechnical reports and calculation;
- (v) BD’s approval letter of application for consent to the commencement of slope remedial works;
- (vi) Previous site inspection report for “Mei Tor Din” and “Lung Wah Kok” as well as Engineering Inspection reports for the Feature nos. 7SW-B/R127 and 7SW-B/R131.

5. Methodology and Analysis

5.1. Information Review

Information review shall cover the following documents:

- (i) Slope records retrieved from CEDD and Lands Department;
- (ii) Relevant information from the GIU, including landslide investigation report, geotechnical study report and relevant ground investigation information;
- (iii) Previous approved remedial works plan from Building Department;

5.2. Geological Review

The geological content of the site was previously classified in the Hong Kong Geological Survey (HKGS) as contains mostly of coarse-grained granite, according to the 1:20000 scale geological map for the area (Addison, 1986 and Geotechnical Control Office, 1986). Two fault lines are shown in the area, one at about 300 m southwest of the site, trending northwest to southeast and the other at about 160 m northeast of the site, trending west-northwest to east-southeast. No fault lines are found being intersecting the site. Geological mapping of the slope was carried out by HAP and HKGS, following the failure on 2 July 1997.

The GEO Investigation concluded that the geological formation in the area consisted of medium-grained to coarse-grained granite, with occasional areas of very coarse-grained pegmatite granite. There were layers of highly decomposed and completely to highly decomposed granite soil. MLAL's Investigation confirmed this geological layout. Boulders of granite rock were also present on the surface of the natural hillside.

Thin, discontinuous layers of residual soil and colluvium were typically present to a depth of 0.5m to 1m below the lower portion of hill slope surface.

5.3. Geotechnical Assessment

According to Practice Notes for AP & RSE No. 234, buildings on the platform (approx. 100.7mPD) will be affected if failure occurred. Thus, the consequence to life category of the slope feature is 1. Therefore the required factor of safety (FOS) for new slope is 1.4 for a 1 in 10 year return period rainfall, a FOS of 1.4 is also allowed in the checking the stability of the existing slopes.

Visual inspection was carried out for “Mei Tor Din” and “Lung Wah Kok” by the representative of MLAL on 13 March 2018, the structural condition of the premises were considered to be sound and stable and no remedial works for strengthening works are required. Structure appraisal reports for the Premises are shown in Appendix 3.

Geotechnical study for the slope was carried out with the report titled “Geotechnical report on slope investigation and remedial work behind Shatin Ten Thousand Buddhas’ Monastery, Lot 323 & 324, D.D. 185, Shatin” which was prepared by MLAL and its proposed remedial works were approved by BD as mentioned in section 1.4. According to the approved plans and geotechnical report, the impact arising from “Mei

Tor Din” and “Lung Wah Kok” had been duly considered in the design and stability analysis concerned. A surcharge load of 10kPa per storey was adopted for the building at the platform (if not beneficial to the stability of the slope) with reference to Table 16 of Geoguide 1, section along grid line 2 (refer to Drawing No. HA564/SF11I) and section along grid line 3 (refer to Drawing No. HA564/SF12I) clearly show the location of the discussed “Mei Tor Din” and “Lung Wah Kok” buildings and the stability for the slopes/retaining walls after upgrading works were checked as satisfactorily meeting the safety requirements with the latest approved remedial works plan proposed. Details of extracted approved plans which were proposed can be referred to Appendix 1.

Visual inspection was carried out for “Ng Sheung Din” by the representative of MLAL on 23 July 2025, the structural conditions for both of the features nos. 7SW-B/R127 and 7SW-B/R131 were considered to be fair. Engineer Inspection reports for the concerned features are shown in Appendix 3. Result of Desk study of the two features is that there is not any finding the existing previous study of the two features. The toe facility of the two features both is undeveloped green belt area. The crest facility of the slope feature 7SW-B/R131 is densely –used sitting out area, and that of slope feature 7SW-B/R127 is a two storey temple structure at two to three meter from the crest. Reference to GEO technical Guidance Note No. 15, the afore-said temple structure is within the Crest influence zone of the slope feature 7SW-B/R127. Investigation and Design of the two features should be carried out and if required Upgrading works to the two features shall be carried out to enhance the stability of the features.

6. Recommendation

- 6.1. With respect to the columbaria license s.16 application, it is recommended that the aforementioned remedial works have to be fully completed for slope safety consideration and that the DH Order DH 41/NT/97/C dated 4 September 1997 has to be discharged by Building Authority for regulatory compliance. Furthermore, a geotechnical review study for the stability of the slope and retaining walls shall be carried out after completion of the aforesaid proposed slope remedial works as mentioned in section 1.4 above.
- 6.2. During the progress of the proposed remedial works, it is recommended that a regular monitoring the stability of the concerned slopes/retaining walls and buildings is to be exercised until the completion of the remedial works.

7. References

Geotechnical Engineering Office (2011), Geotechnical Manual for Slopes (5th edition).
Geotechnical Engineering Office, Hong Kong.

Geotechnical Engineering Office (2017), Guide to Retaining Wall Design (Continuous
updated e-version). Geotechnical Engineering Office, Hong Kong.

Maurice Lee & Associates Ltd. (2007), Geotechnical Report on Slope Investigation and
Remedial Work behind Shatin Ten Thousand Buddhas' Monastery, Lot 323 & 324, D.D.
185, Shatin, Maurice Lee & Associates Ltd., Hong Kong

Maurice Lee & Associates Ltd. (2018), Ten Thousand Buddhas Monastery, Structural
Appraisal Report for Mei Tor Din, Maurice Lee & Associates Ltd., Hong Kong

Maurice Lee & Associates Ltd. (2018), Ten Thousand Buddhas Monastery, Structural
Appraisal Report For Lung Wah Kok (龍華閣), Maurice Lee & Associates Ltd., Hong
Kong

Town Planning Board, Application for Permission under Section 16 of the Town Planning
Ordinance (CAP.131), Town Planning Board, Hong Kong

Works Bureau (1999), Works Bureau Technical Circular No. 13/99 – Geotechnical
Manual for Slopes – Guidance on Interpretation and Updating. Works Bureau, Hong
Kong.

- End of Text -

Appendix 1

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Extracted BD's Approved Plan

GENERAL NOTES:

1. THIS PROPOSAL IS FOR COMPLIANCE WITH DH ORDERS DH0173/NT/09/C.

LEGEND:

- BOUNDARY OF BD. ORDER NO. DH0173/NT/09/C
- WORKING AREA
- SOIL NAIL BOUNDARY
- LOT BOUNDARY (LOTS 323,324)
- BH1 COMPLETED BOREHOLE (BH1~BH12)
- ABH1 COMPLETED BOREHOLE (ABH1~ABH12)
- TP1 STRUCTURE TILTING CHECK POINT (TP1~TP6)
- GP1 GROUND SETTLEMENT CHECK POINT (GP1~GP8)
- CONSTRUCTION STAGE PHASE 2 ON UPPER PORTION
CONSTRUCTION STAGE PHASE 2 ON LOWER PORTION
- SOIL NAILING WORKS EXTENT FOR PORTION I
- SOIL NAILING WORKS EXTENT FOR PORTION II
- SOIL NAIL BOUNDARY STAGE 2 - PORTION I
- SOIL NAIL BOUNDARY STAGE 2 - PORTION II

BD. ORDER DH0173/NT/09/C

DRAINAGE & STEEL RAILING WORKS
REPAIR OF EXISTING CHUNAM ON UPPER PORTION (ABOVE PLATFORM) 101mPD
AND APPLY HYDROSEEDING WITH WIRE MESH ON LOWER PORTION (BELOW PLATFORM) 101mPD

LOT 324

LOT 323

PLATFORM 101mPD

BD. ORDER DH0173/NT/09/C

LAYOUT PLAN (PHASE 2) (1:400)

SCHEDULE OF SOIL NAILS FOR CONSTRUCTION STAGE 2 - PORTION I
SOIL NAIL HEAD WITHIN LOT BOUNDARY & SOIL NAIL EXTENDED OUTSIDE LOT BOUNDARY

SECTION REFERRED	NAIL MARK	NO.
11	11-1~11-4, 11-7~11-8, 11-13~11-14	8
12	12-4~12-7, 12-10~12-15, 12-17~12-21, 12-23~12-27, 12-30~12-32, 12-37~12-40, 12-45, 12-57	29
13	13-8~13-12, 13-15~13-16, 13-18~13-20, 13-23~13-30, 13-32~13-33, 13-35~13-36, 13-39	23
14	14-12~14-18	7
15	15-1~15-13	13

SCHEDULE OF SOIL NAILS FOR CONSTRUCTION STAGE 2 - PORTION II
SOIL NAIL HEAD & SOIL NAIL OUTSIDE LOT BOUNDARY (FOR INFORMATION ONLY)

SECTION REFERRED	NAIL MARK	NO.
12	12-1~12-3, 12-6~12-9, 12-16	9
13	13-1~13-7, 13-9~13-11, 13-13~13-14, 13-17, 13-21~13-22	21
14	14-1~14-11	14

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNA-P ADM-19. The duties of the authorized person, registered structural engineer and/or registered geotechnical engineer concerned as specified under section 4(3)(b) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

Plan Approved

CHIK Kin-hang
Chief Building Surveyor
for BUILDING AUTHORITY
- 3 APR 2023

SIU Koon Hoi Camine
Authorized Person
Registered Structural Engineer
Registered Geotechnical Engineer

Date	Rev.	Description	Design	Drawn	Ch'd	App'd
22/12	E	AMENDMENT	SL	RC	KM	CS
22/07	D	AMENDMENT	SL	RC	KM	CS
21/12	C	AMENDMENT	SL	RC	KM	CS
21/03	B	AMENDMENT	SL	RC	SA	KM
16/09	A-1	BD APPROVED ON 24 AUG 2018	ED	FF	CTK	ML
16/05	A	AMENDMENT RESUBMISSION	ED	AC	CTK	ML
11/15	-	1st Issue	ED	AC	CTK	ML

1:400 @ A1 SIZE

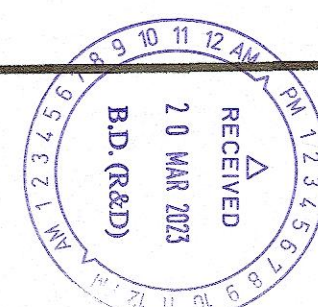
THE SHATIN TEN THOUSAND
BUDDHAS' MONASTERY LTD.

PROPOSED SLOPE REMEDIAL WORKS
TO TEN THOUSAND BUDDHAS'
MONASTERY IN LOTS 323& 324 IN
D.D 185, SHATIN, N.T.

CONSTRUCTION SEQUENCE
(PHASE 2)

Contract No.: - Drawing No.: HA564/CS02E
File Name: CS02E.dwg

MAURICE LEE & ASSOCIATES LIMITED
李榮護建築工程師事務所有限公司



GENERAL NOTES:

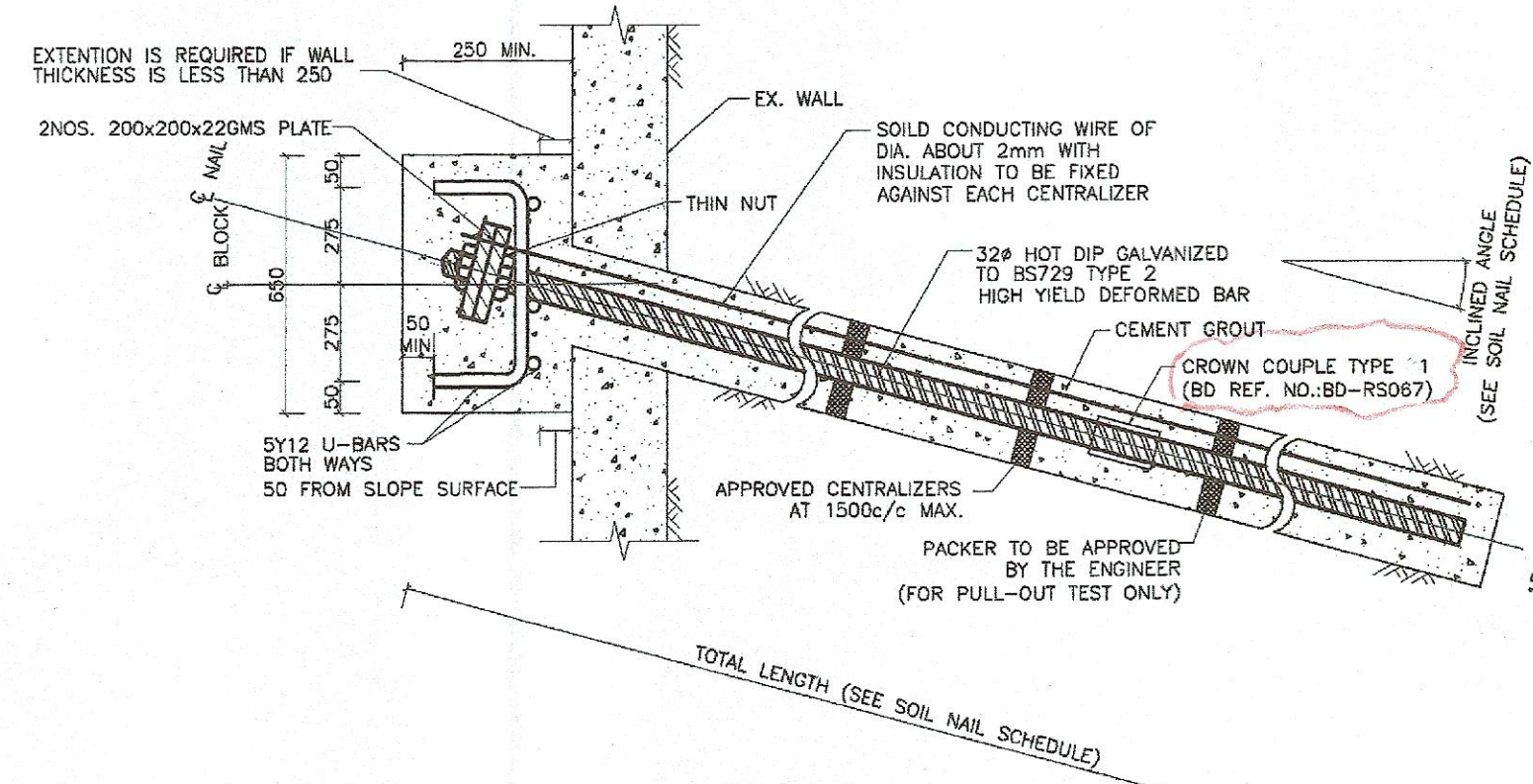
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN mm, ALL LEVELS ARE IN mPD.
2. UNLESS OTHERWISE SPECIFIED, ALL LEVELS ARE STRUCTURAL LEVELS.
3. ALL SOIL NAILS LEVEL ABOVE 101mPD PLATFORM REFERS TO DWG. NO. HA564/'SF07.
4. ALL SOIL NAILS LEVEL BELOW 101mPD PLATFORM REFERS TO DWG. NO. HA564/'SF28.
5. THE TRIMMING OF SLOPE ABOVE PLATFORM 101mPD IN THIS SECTION SHALL BE COMPLETED BEFORE THE EXCAVATION WORK ON PLATFORM 101mPD IN THIS SECTION. DETAILED CONSTRUCTION SEQUENCE IS SHOWN ON DRG. NO. HA564/'CS01.

DH ORDER

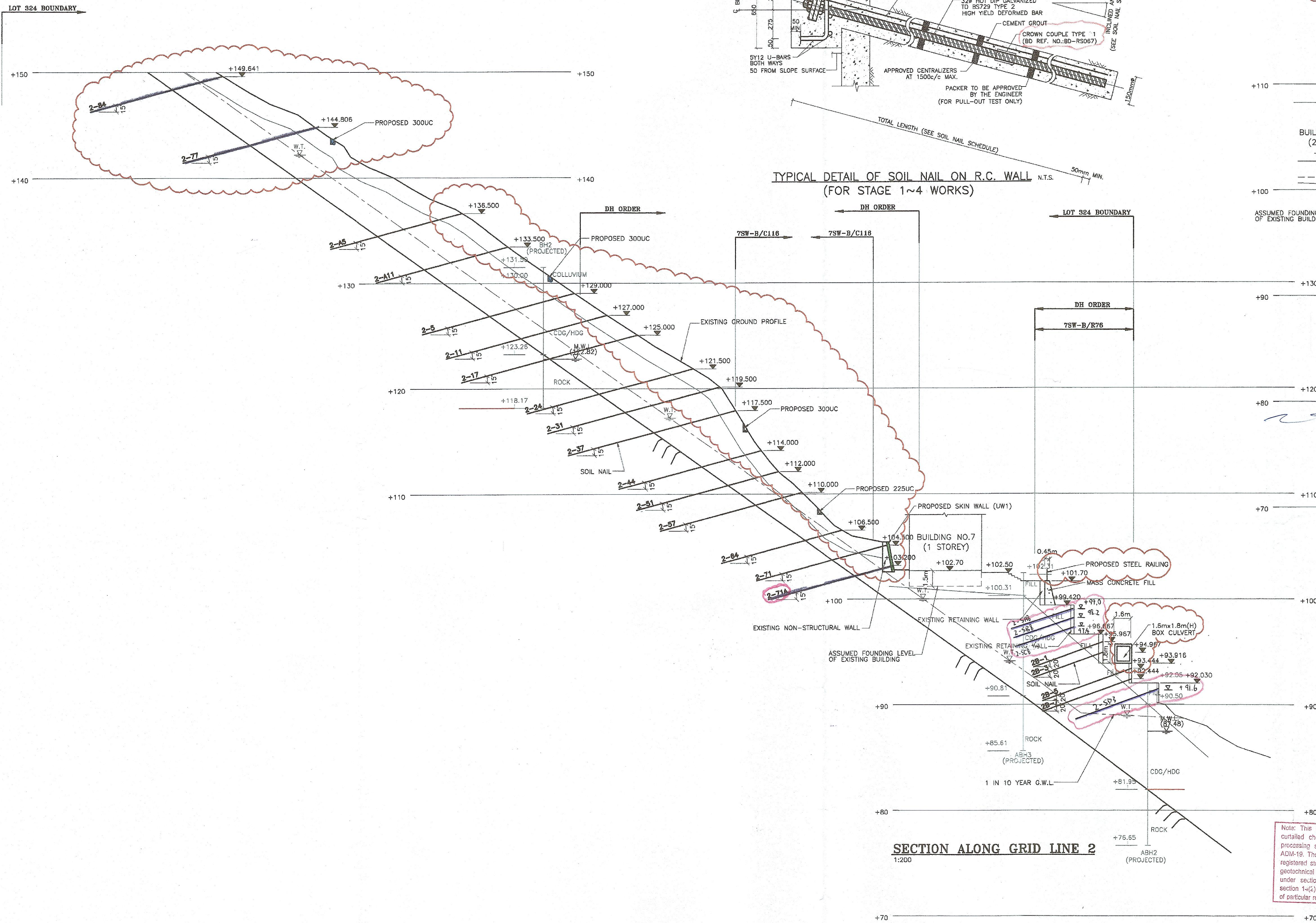
LEGEND:

W.T.
▽
M.W.L.
▽

DESIGN GROUNDWATER LEVEL
HIGHEST MEASURED
GROUNDWATER LEVEL



TYPICAL DETAIL OF SOIL NAIL ON R.C. WALL N.T.S.
(FOR STAGE 1~4 WORKS)



SECTION ALONG GRID LINE 2
1:200

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNA-ADM-19. The duties of the authorized person, registered structural engineer or registered geotechnical engineer concerned as specified under section 4(3)(b) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

Plan Approved

CHIK Kin-hang
Chief Building Surveyor
for BUILDING AUTHORITY
- 3 APR 2023

SIU Koon Hoi Carmine
 Authorised Person
 Registered Structural Engineer
 Registered Geotechnical Engineer

L	12/22	AMENDMENT RE-SUBMISSION	Ch'a:SL By: RC	Ch'd: By: SL
H	07/22	AMENDMENT RE-SUBMISSION	Ch'a:SL By: RC	Ch'd:KMC By: SL
G	12/21	AMENDMENT RE-SUBMISSION	Ch'a:SL By: RC	Ch'd:KMC By: SL
F	03/21	1ST AMENDMENT	Ch'a:SIA By: RC	Ch'd:KMC By: SIA
E-1	01/08	BO APPROVED ON 30 JAN 2008	Ch'd:CMY By: CWK	Ch'd:ML By: CMY
E	12/07	RESUBMISSION	Ch'd:CMY By: CWK	Ch'd:ML By: CMY
D	10/07	RESUBMISSION	Ch'd: ML By: CWK	Ch'a:ML By: CMY
No.	Date	Revisions	Drawn	Designed

SCALE AS SHOWN

THE SHATIN TEN THOUSAND
BUDDHAS' MONASTERY LTD.

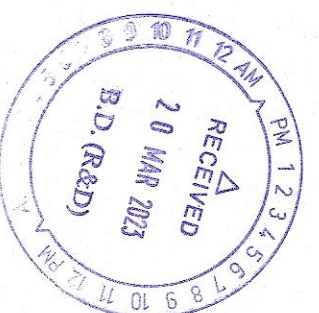
PROPOSED SLOPE REMEDIAL WORKS TO
TEN THOUSAND BUDDHAS' MONASTERY
IN LOTS 323 & 324 IN D.D. 185,
SHATIN, N.T.

SECTION ALONG GRID LINE 2,
SECTION 2A & 2B

MAURICE LEE AND ASSOCIATES LIMITED

李榮護建築工程師事務所有限公司

© copyright reserved			Date issued
Drawn by	SING	05/05	Contract No.
Designed by	MC/ST	05/05	
Checked by	WT	05/05	Drawing No. HA564/SF11I
Approved by			



- LEGEND:**

MASS CONCRETE BLOCK

~~SECRET~~ PROPOSED CHANGE 50117ZCC

NON-CONCRETE AREA

250 THK. R.C. GRILLAGE

650x650 CONCRETE
FOOTING HEAD

Diagram illustrating the cross-section of a soil nail wall. The wall is shown with a vertical section line. The soil nail heads are rectangular, with a width of 650 mm and a height of 350 mm. The diagram shows six such heads arranged in a row, with a vertical line indicating a section cut through the middle of the wall.

1200 1200 1200 1200 1200

VIEW A

CAL ELEVATION OF 250 TH
PLACE (ABOUT 50% OPEN

AGE 4 WORKS SOIL NAIL C

<u>1</u>	07/22	<u>1ST AMENDMENT</u>	Ch'd:
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SCALE AS SHOWN

THE SHATIN TEN THOUSAND
BUDDHAS' MONASTERY LTD.

PROPOSED SLOPE REMEDIAL WORKS TO
TEN THOUSAND BUDDHAS' MONASTERY
IN LOTS 323 & 324 IN D.D. 185,
SHATIN, N.T.

SECTION ALONG GRID LINE 3
SECTION 3A

MAURICE LEE AND ASSOCIATES LIMITED

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Drawn by	SING	05/05	Contract No.
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Designed by	MC/ST	05/05
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Checked by	WT	05/05	Drawing No.
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Approved by	HA564/SF121
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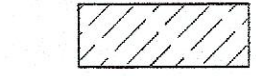
1. *Journal of Management Studies*, 1997, 34, 1, 1-14.

CAD File: Y:\Project\HA Projects\HA500-HAS99\HA564 ITBM Slope\22\AMENDMENT(230222)\SF12L.dwg

GENERAL NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN mm, ALL LEVELS ARE IN mPD.
2. UNLESS OTHERWISE SPECIFIED, ALL LEVELS ARE STRUCTURAL LEVELS.
3. RETAINING STRUCTURE DETAIL REFER TO HA564/SF25~SF26.
4. FILTER DETAIL REFER TO HA564/SF06.
5. ALL SOIL NAILS LEVEL ABOVE 101mPD PLATFORM REFERS TO DWG. NO. HA564/SF07.
6. ALL SOIL NAILS LEVEL BELOW 101mPD PLATFORM REFERS TO DWG. NO. HA564/SF28.
7. THE TRIMMING OF SLOPE ABOVE PLATFORM 101mPD IN THIS SECTION SHALL BE COMPLETED BEFORE THE EXCAVATION WORK BELOW PLATFORM 101mPD IN THIS SECTION. DETAILED CONSTRUCTION SEQUENCE IS SHOWN ON DRG NO. HA564/CS01.

LEGEND:



TRIMMING OF SLOPE



PROPOSED CEMENT SOIL FILL

W.T.

 W.T.

DESIGN GROUNDWATER LEVEL
HIGHEST MEASURED
GROUNDWATER LEVEL

Plan Approved

CHIK Kin-hang
Chief Building Surveyor
for BUILDING AUTHORITY
- 3 APR 2023

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNPAD-19. The duties of the authorized person, registered structural engineer an, or registered geotechnical engineer concerned as specified under section 4(3)(ii) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

SIU Koon Hol Carmine
 Authorised Person
 Registered Structural Engineer
 Registered Geotechnical Engineer

22/12	J	AMENDMENT	SL	RC	SL	KW
22/07	K	AMENDMENT	SL	RC	SL	KW
21/12	J	AMENDMENT	SL	RC	SL	KW
21/10/3	I	AMENDMENT	SIA	RC	SIA	KW
9/12	H	AMENDMENT RESUBMISSION	SIA	RC	SIA	KW
9/10	G	AMENDMENT	SIA	RC	SIA	KW
8/11	F-1	BO APPROVED ON 19 DEC 2018	MX	RC	MX	KW
8/11	F	AMENDMENT	MX	RC	MX	KW
6/09	E-1	BO APPROVED ON 24 AUG 2018	CMY	FF	FL	KL
8/07	E	AMENDMENT RESUBMISSION	CMY	FF	CMY	KL
12/07	D	RESUBMISSION	CMY	CMY	ML	KL
Date	Rev.	Description	Design	Drawn	Ch'd	App'd

SCALE
2 1 0 2 4 6 8 10m
1 : 200 @ A1 SIZE

THE SHATIN TEN THOUSAND
BUDDHAS' MONASTERY LTD.

PROPOSED SLOPE REMEDIAL WORKS
TO TEN THOUSAND BUDDHAS'
MONASTERY IN LOTS 323& 324 IN
D.D 185, SHATIN, N.T.

SECTION ALONG GRID LINE 6

Contract No.:	Drawing No.
File Name: SF15L.dwg	HA564/SF15L

 MAURICE LEE & ASSOCIATES LIMITED
李榮護建築工程師事務所有限公司

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SECTION ALONG GRID LINE 6
1:200

Appendix 2

-

Land Registry Record and SIS and SIMAR Records for Features slopes/Retaining Walls.

Slope Maintenance Responsibility Report

(7SW-B/R127)



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	7SW-B/R127		Sub-Division	Not Applicable
	Location	On unallocated Government land to the west of DD185 LOT 358 and DD185 LOT 359		
	Responsible Lot/Party	Lands Department	Maintenance Agent	Lands Department
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

- End of Report -

Notes:

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

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Search Criteria: 7SW-B/R127

BASIC INFORMATION

Location: Below Western Side of Ten Thousand Buddhas Monastery, Tai Wai, Shatin
Registration Date: 23-05-2019
Ranking Score (NPRS): 0 (LPMit)
Date of Formation: N/A
Date of Construction/ Modification:
Data Source: LPM
Approximate Coordinates: Easting : 837072 Northing : 827565

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Temple
Distance of Facility from Crest (m): 0
Facility at Toe: Undeveloped green belt
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 3.4 Length (m): 61 Face Angle (deg): 90

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 04-01-2021

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 05-10-2018
Data Source: LPM
Slope Part Drainage: (1) Position: Crest Size(mm): 300
 (2) Position: On slope Size(mm): 300
Wall Part Drainage: (1) Position: Downpipe Size(mm): 100

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

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:	05-10-2018
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: 26/06/2025)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Undeveloped green belt

Distance from Toe(m): 0

Type of Crest Facility: Temple

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:

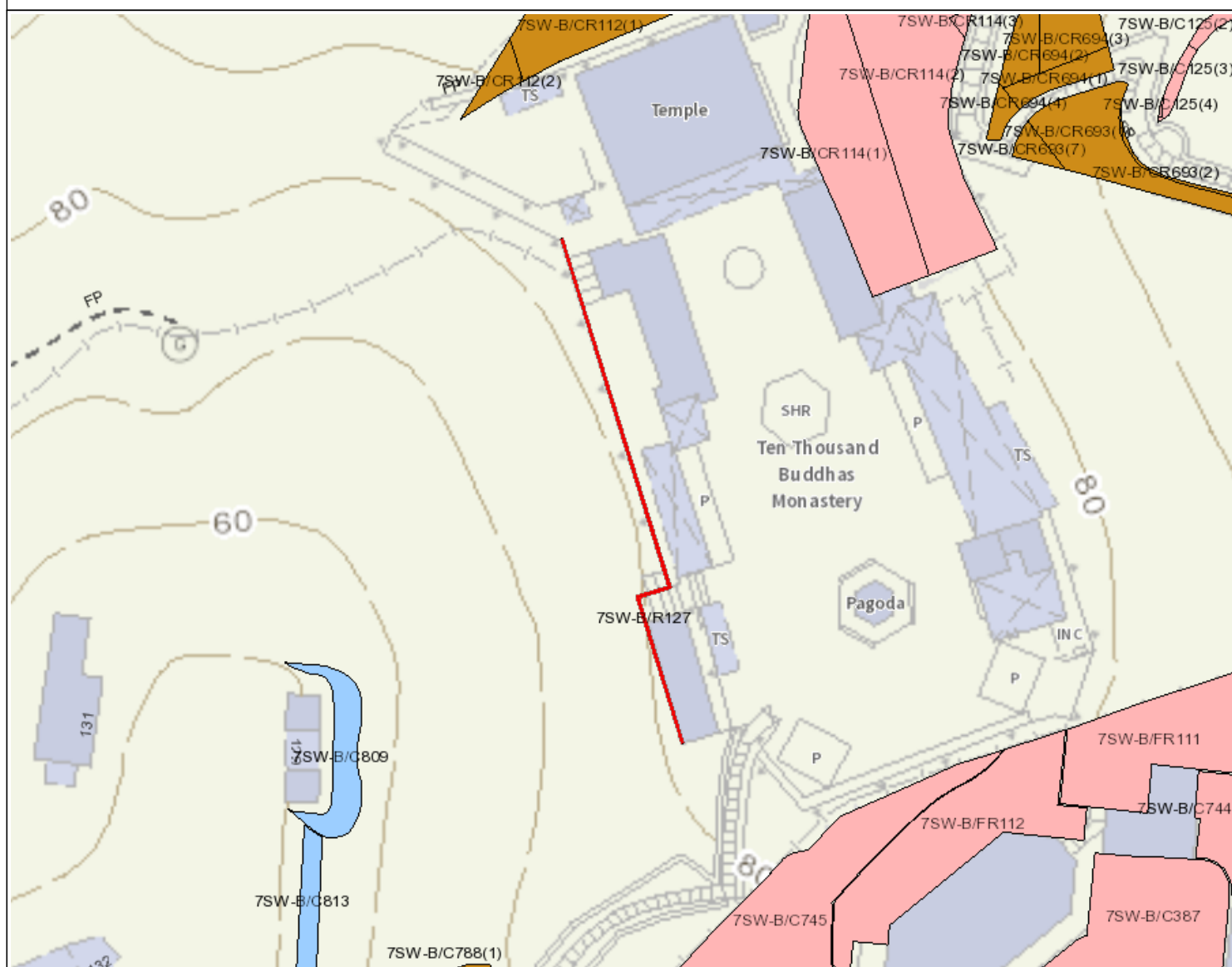
Action By: N/A

PHOTO





Location Plan



Legend

- Slope Area(s)
- - - - - Search Location
- Slope(s) Maintained by Government
- Slope(s) Maintained by Private Party/Parties
- Slope(s) Maintained by Government and Private Party/Parties



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

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Printed on: 07/07/2025

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Search Criteria: 7SW-B/R127

BASIC INFORMATION

Location: Western Side of Ten Thousand Buddhas Monastery, Shatin
Registration Date: 26-04-2024
Ranking Score (NPRS): N/A (N/A)
Date of Formation: N/A
Date of Construction/ Modification:
Data Source: Project Office
Approximate Coordinates: Easting : 837055 Northing : 827591

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Densely-used sitting out area
Distance of Facility from Crest (m): 0
Facility at Toe: Undeveloped green belt
Distance of Facility from Toe (m): 0
Consequence-to-life Category: 2
Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 4.5 Length (m): 24 Face Angle (deg): 90

MAINTENANCE RESPONSIBILITY

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 08-04-2024
Data Source: Project Office
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

N/A

BACKGROUND INFORMATION

GIU Cell Ref.:

Map Sheet Reference (1:1000):

Aerial Photos:

Nearest Rainguage Station (Station ()
Number):

Data Collected On: 08-04-2024

Date of Construction, Subsequent
Modification and Demolition: N/A

Related Reports/Files or Documents: N/A

Remarks:

Follow Up Actions:

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

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

LPMIS: None

ENHANCED MAINTENANCE INFORMATION

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District:

Section No: 1-1

Height(m):

Type of Toe Facility: Undeveloped green belt

Distance from Toe(m): 0

Type of Crest Facility: Densely-used sitting out area

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:

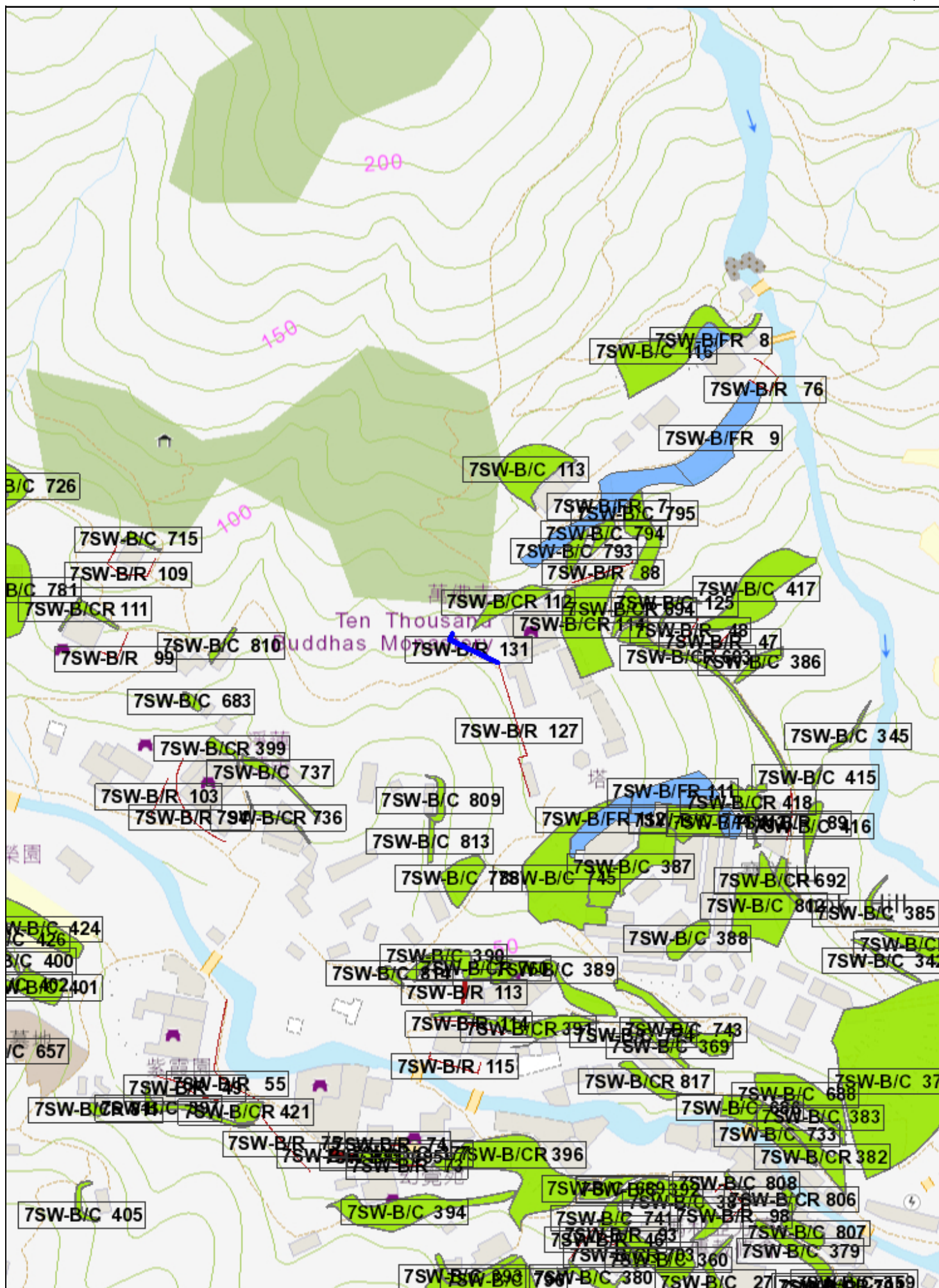


Action By:

N/A

PHOTO





Slope Maintenance Responsibility Report

(DD185 Lot 323)



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	7SW-B/C116	Sub-Division	2
	Location	Partly within DD185 LOT 324 and DD185 LOT 323 and partly on unallocated Government land	
	Responsible Lot/Party	DD185 LOT 323	Maintenance Agent
	Remarks	Not Applicable	
			Not Applicable

- End of Report -

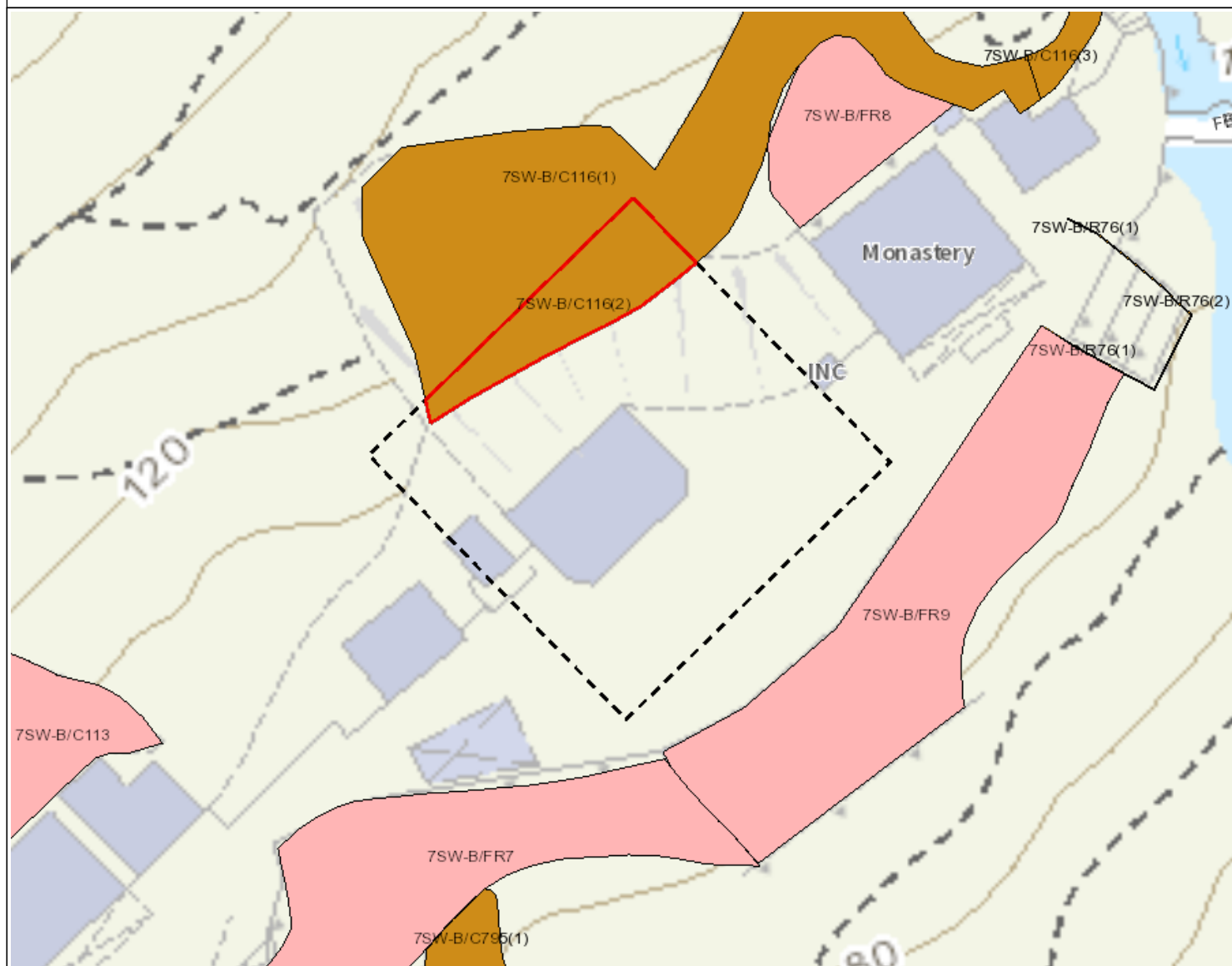
Notes:

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

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Search Criteria: DD185 Lot 323

Location Plan



Legend

- Slope Area(s)
- - - - - Search Location
- Slope(s) Maintained by Government
- Slope(s) Maintained by Private Party/Parties
- Slope(s) Maintained by Government and Private Party/Parties



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

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Printed on: 08/08/2022

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Search Criteria: DD185 Lot 323

Slope Maintenance Responsibility Report

(DD185 Lot 324)



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	7SW-B/C113		Sub-Division	Not Applicable
	Location	WITHIN DD185 LOT324		
	Responsible Lot/Party	DD185 Lot324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
2	7SW-B/C116		Sub-Division	1
	Location	Partly within DD185 LOT 324 and DD185 LOT 323 and partly on unallocated Government land		
	Responsible Lot/Party	DD185 LOT 324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
3	7SW-B/C793		Sub-Division	Not Applicable
	Location	Within DD185 LOT 324		
	Responsible Lot/Party	DD185 LOT 324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
4	7SW-B/C794		Sub-Division	Not Applicable
	Location	Within DD185 LOT 324		
	Responsible Lot/Party	DD185 LOT 324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
5	7SW-B/C795		Sub-Division	1
	Location	Partly within DD185 LOT 324, partly within STT1255 and partly on unallocated Government land		
	Responsible Lot/Party	DD185 LOT 324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
6	7SW-B/FR7		Sub-Division	Not Applicable
	Location	WITHIN DD185 LOT324		
	Responsible Lot/Party	DD185 LOT324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
7	7SW-B/FR8		Sub-Division	Not Applicable
	Location	WITHIN DD185 LOT324		
	Responsible Lot/Party	DD185 Lot324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		
8	7SW-B/FR9		Sub-Division	Not Applicable
	Location	WITHIN DD185 LOT324		
	Responsible Lot/Party	DD185 Lot324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		

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Search Criteria: DD185 Lot 324

9	7SW-B/R76		Sub-Division	1
	Location	PARTLY WITHIN DD185 LOT324 & PARTLY ON GL		
	Responsible Lot/Party	DD185 Lot324	Maintenance Agent	Not Applicable
	Remarks	Not Applicable		

- End of Report -

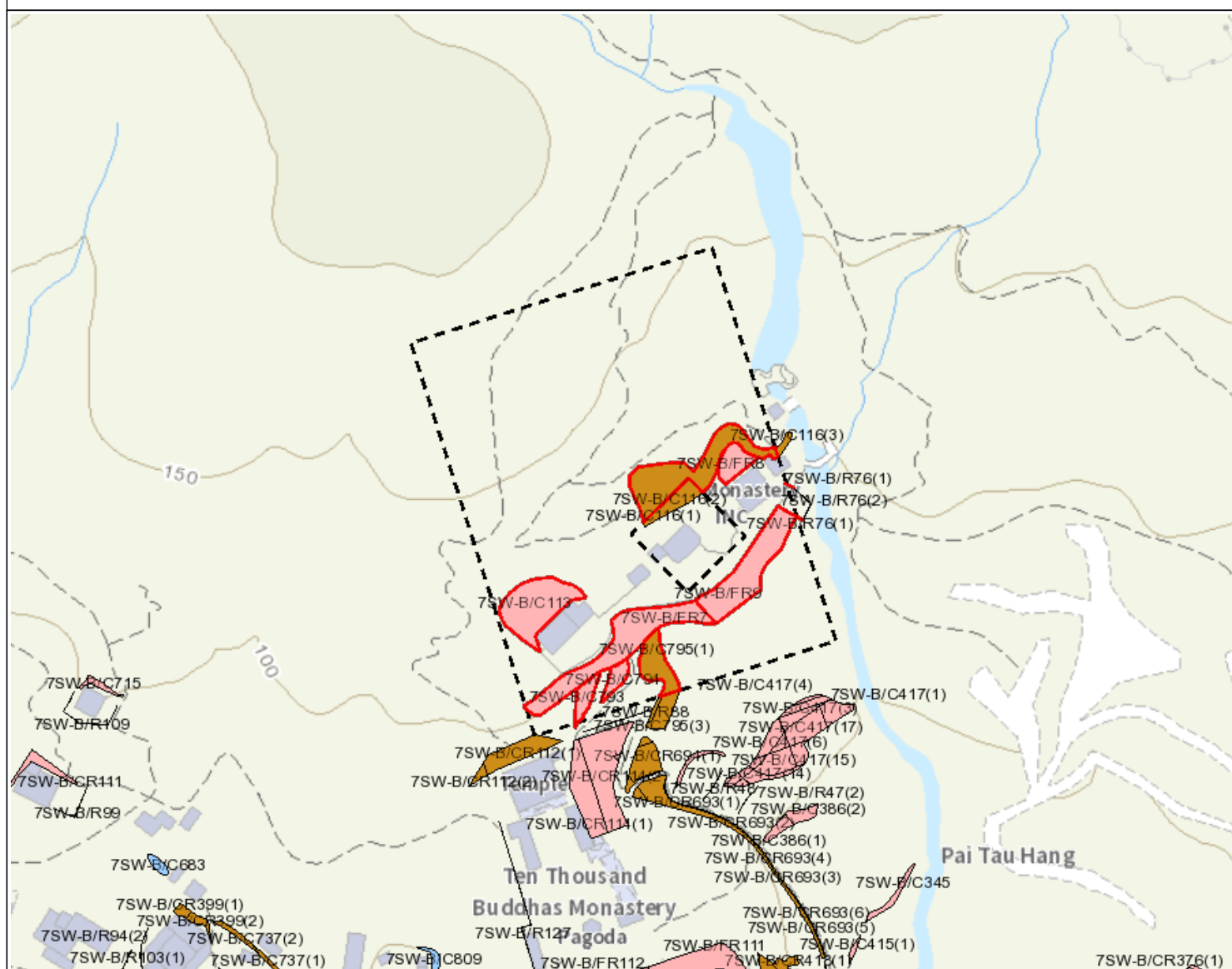
Notes:

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

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Search Criteria: DD185 Lot 324

Location Plan



Legend

- Slope Area(s)
- - - - - Search Location
- Slope(s) Maintained by Government
- Slope(s) Maintained by Private Party/Parties
- Slope(s) Maintained by Government and Private Party/Parties



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

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Search Criteria: DD185 Lot 324



BASIC INFORMATION

Location: TEN THOUSAND BUDDHAS MONASTERY. SHATIN

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837079 Northing : 827667

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Monastery

Distance of Facility from Toe (m): 1.4

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 24 Length (m): 62 Average Angle (deg): 50

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Private Feature Party: DD185 Lot324 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 04-12-1996
Data Source: SIRST
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 10 Vegetated: 75 Chunam: 15 Shotcrete: 0 Other Cover: 0

Material Description: Material type: Soil & Rock 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

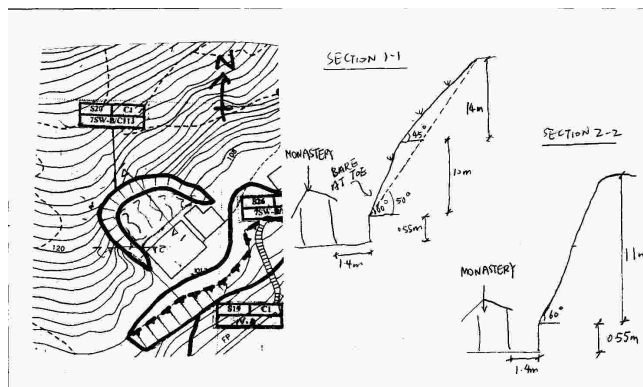
N/A

STAGE 1 STUDY REPORT

Inspected On: 04-12-1996

Weather: Mainly Fine

District: ME



Section No: 1-1

Height(m): H1 : 24 , H2 : 0

Type of Toe Facility: Monastery

Distance from Toe(m): 1.4

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility: N/A

Distance from Toe(m): 0

Type of Crest Facility: N/A

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P

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

ACTION TO INITIATE PREVENTIVE WORKS

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

OTHER EXTERNAL ACTION

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

PHOTO



7SW-B/C113

DISTRESS (EROSION)



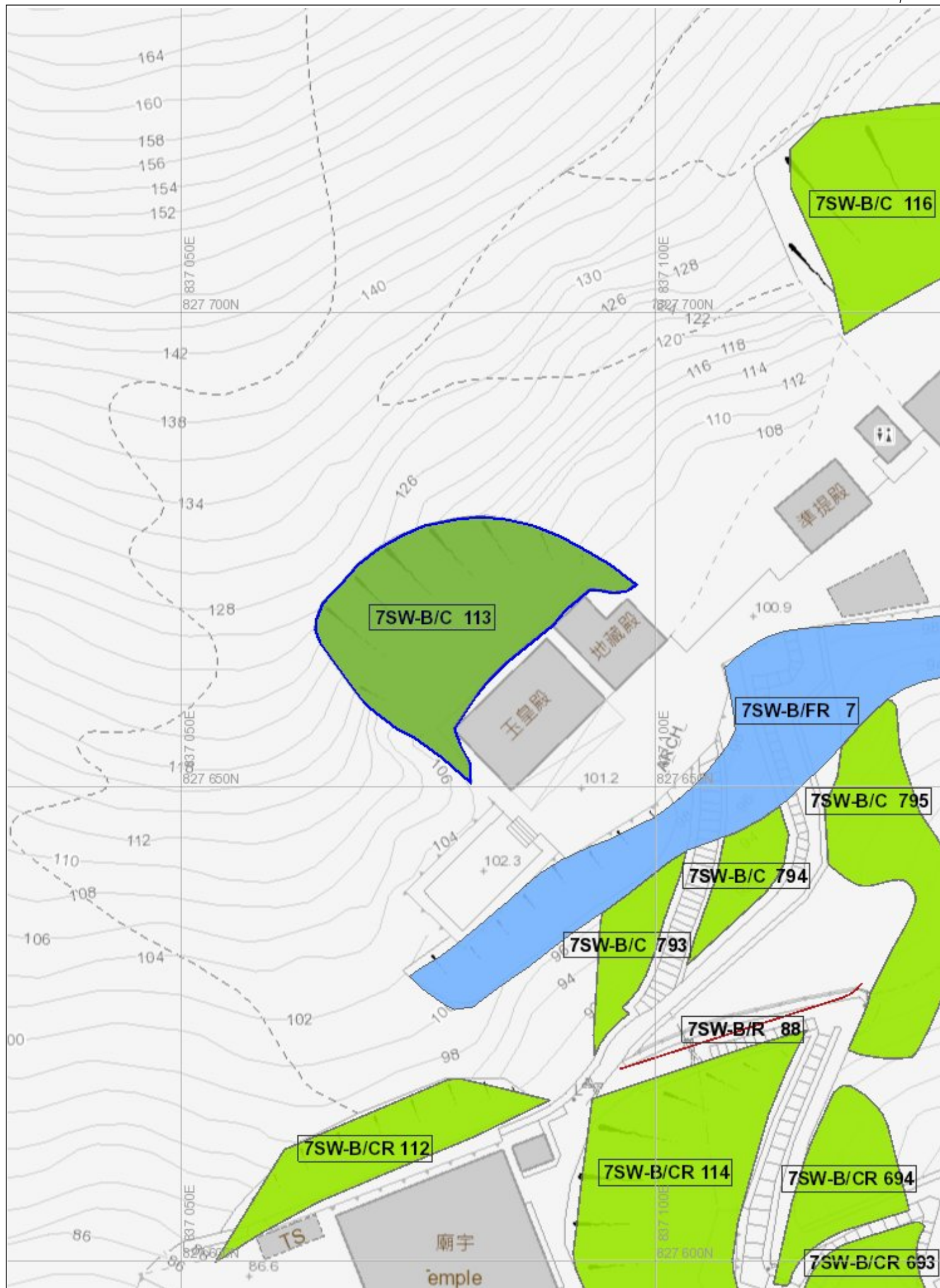
7SW-B/C113

GENERAL VIEW



7SW-B/C113

GENERAL VIEW





BASIC INFORMATION

Location: Ten Thousand Buddhas Monastery, Shatin

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837145 Northing : 827722

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Monastery

Distance of Facility from Toe (m): 7

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 28 Length (m): 80 Average Angle (deg): 50

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: DD185 LOT 324	Agent: N/A
Mixed Feature	Party: DD185 LOT 323	Agent: N/A
Mixed Feature	Party: Lands D	Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	12-06-2015
Data Source:	LPM
Slope Part Drainage:	(1) Position: Crest Size(mm): 450
	(2) Position: Downpipe Size(mm): 350
	(3) Position: On slope Size(mm): 450
Wall Part Drainage:	N/A

SLOPE PART

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

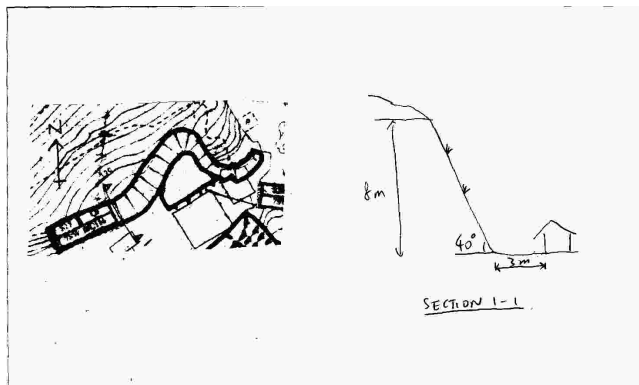
N/A

STAGE 1 STUDY REPORT

Inspected On: 04-12-1996

Weather: Mainly Fine

District: ME



Section No: 1-1

Height(m): H1 : 8 , H2 : 0

Type of Toe Facility: Monastery

Distance from Toe(m): 7

Type of Crest Facility: Undeveloped green belt

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility: N/A

Distance from Toe(m): 0

Type of Crest Facility: N/A

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P

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

ACTION TO INITIATE PREVENTIVE WORKS

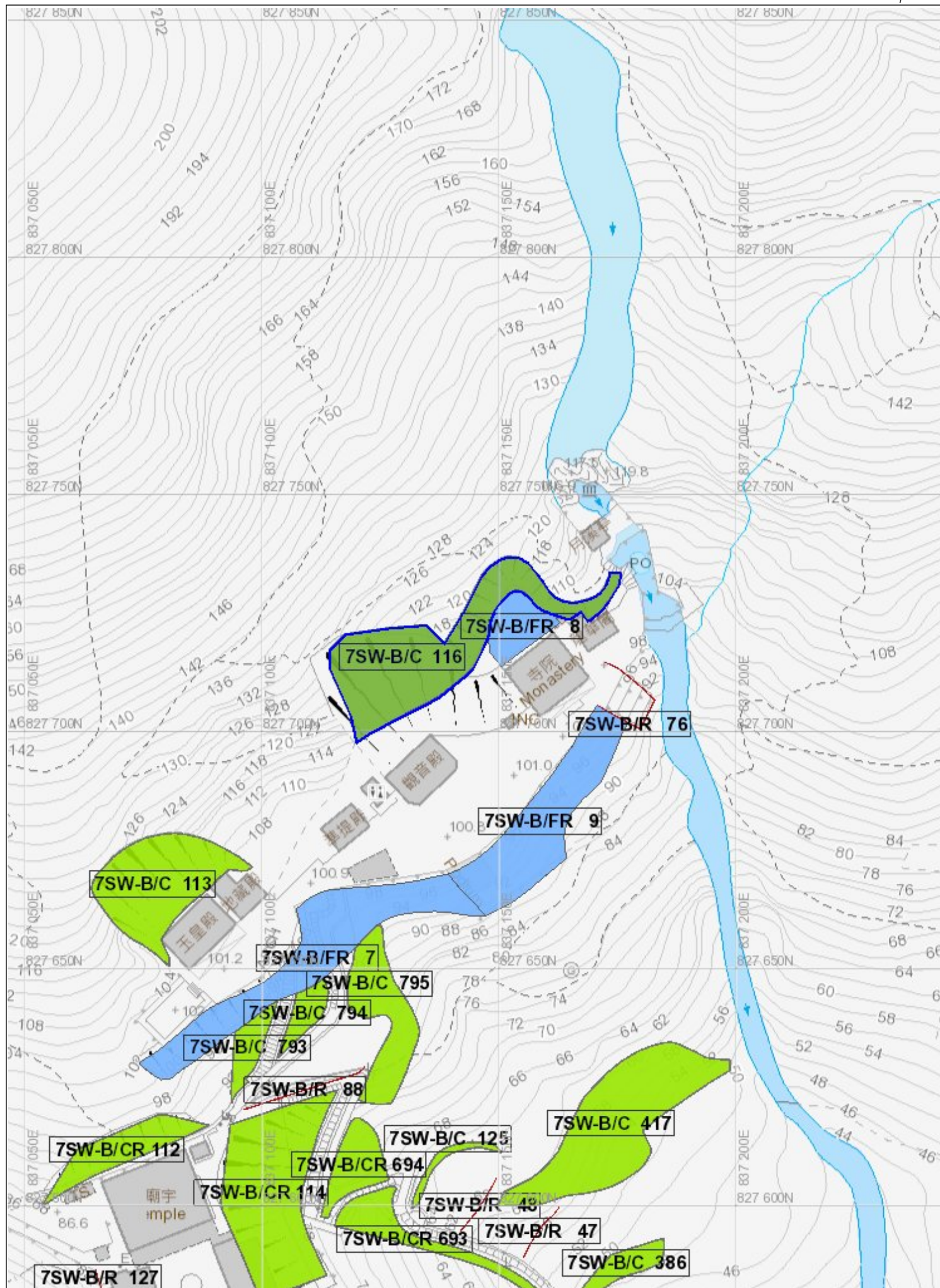
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: Northeast of Ten Thousand Buddah Monastery, and Northwest of Pai Tau Hang, Shatin

Date of Formation: N/A

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837097 Northing : 827633

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Densely-used open area/facilities

Distance of Facility from Crest (m): 5.5

Facility at Toe: Road/footpath with heavy traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 11 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Private Feature Party: DD185 LOT 324 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 19-09-2018
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

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 5.5

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:

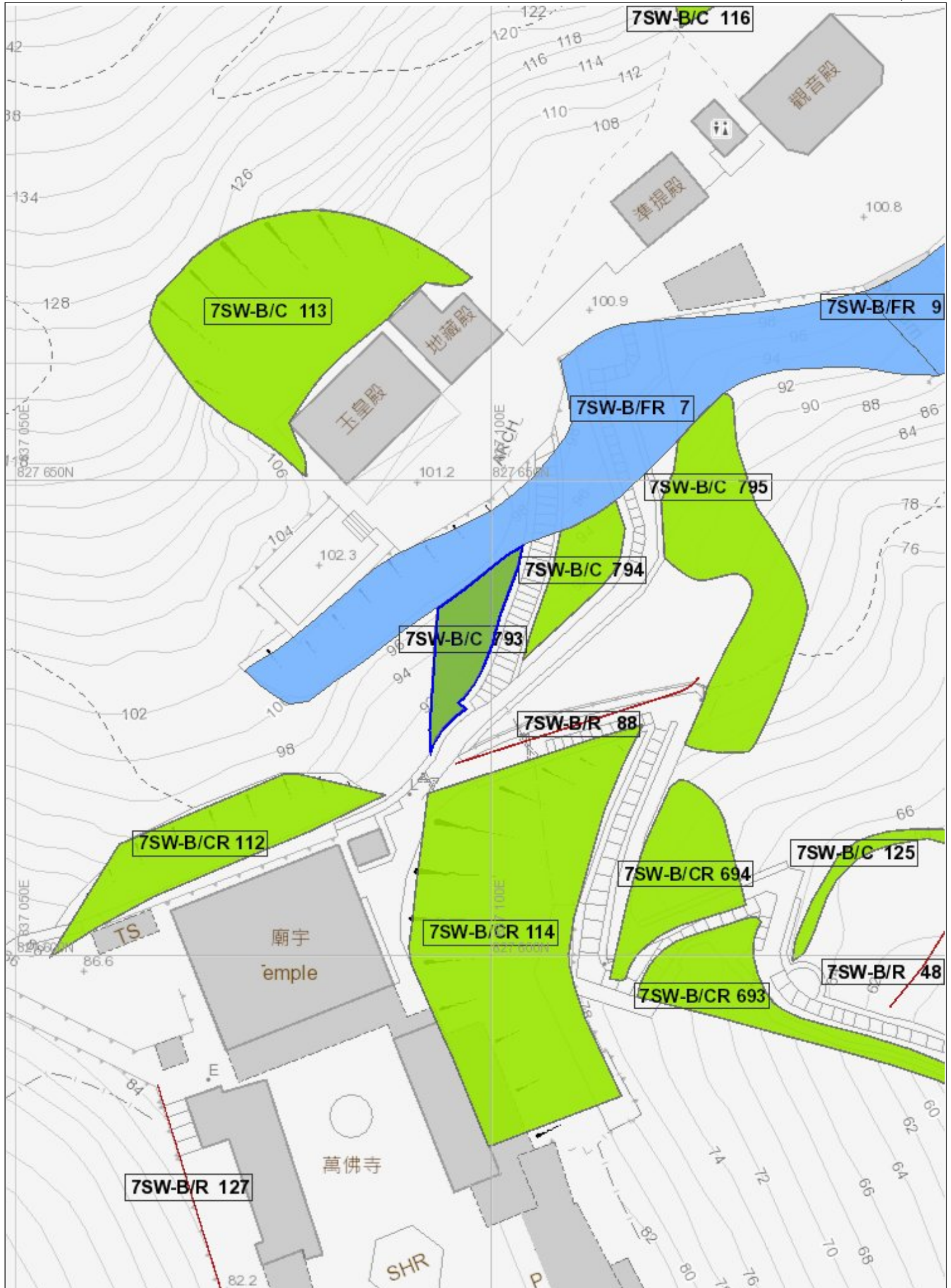
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Northeast of Ten Thousand Buddah Monastery, and Northwest of Pai Tau Hang, Shatin

Date of Formation: N/A

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837109 Northing : 827641

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with heavy traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5 Length (m): 10 Average Angle (deg): 38

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Private Feature Party: DD185 LOT 324 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 19-09-2018
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

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

Type of Crest Facility: Road/footpath with heavy 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:

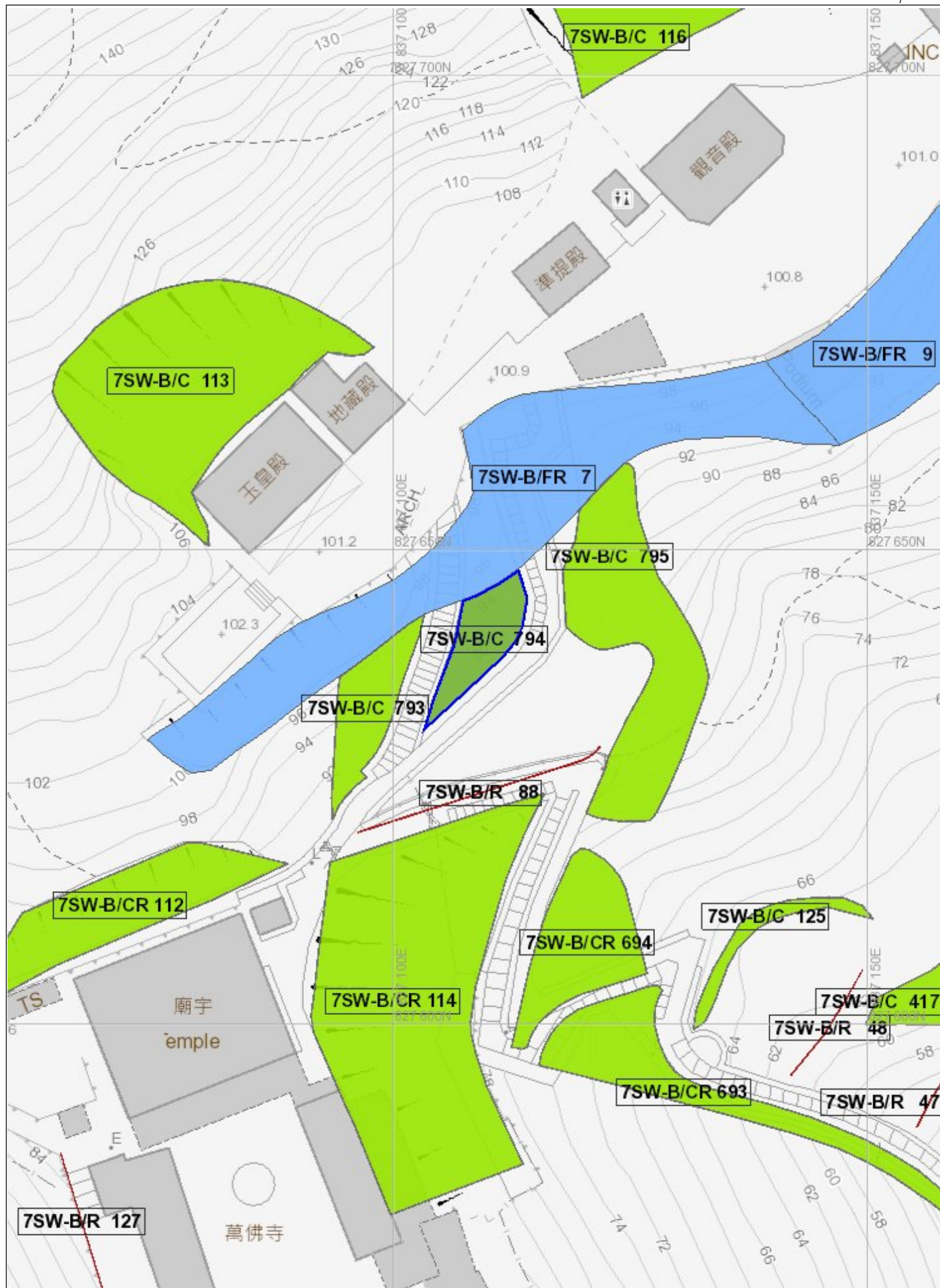
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Northeast of Ten Thousand Buddah Monastery, and Northwest of Pai Tau Hang, Shatin

Date of Formation: N/A

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837129 Northing : 827635

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with heavy traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 21 Length (m): 13 Average Angle (deg): 30

WALL PART

N/A

MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: DD185 LOT 324	Agent: N/A
Mixed Feature	Party: STT1255	Agent: N/A
Mixed Feature	Party: Lands D	Agent: Lands D
Mixed Feature	Party: Lands D	Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	19-09-2018
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



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

Type of Crest Facility: Road/footpath with heavy 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:

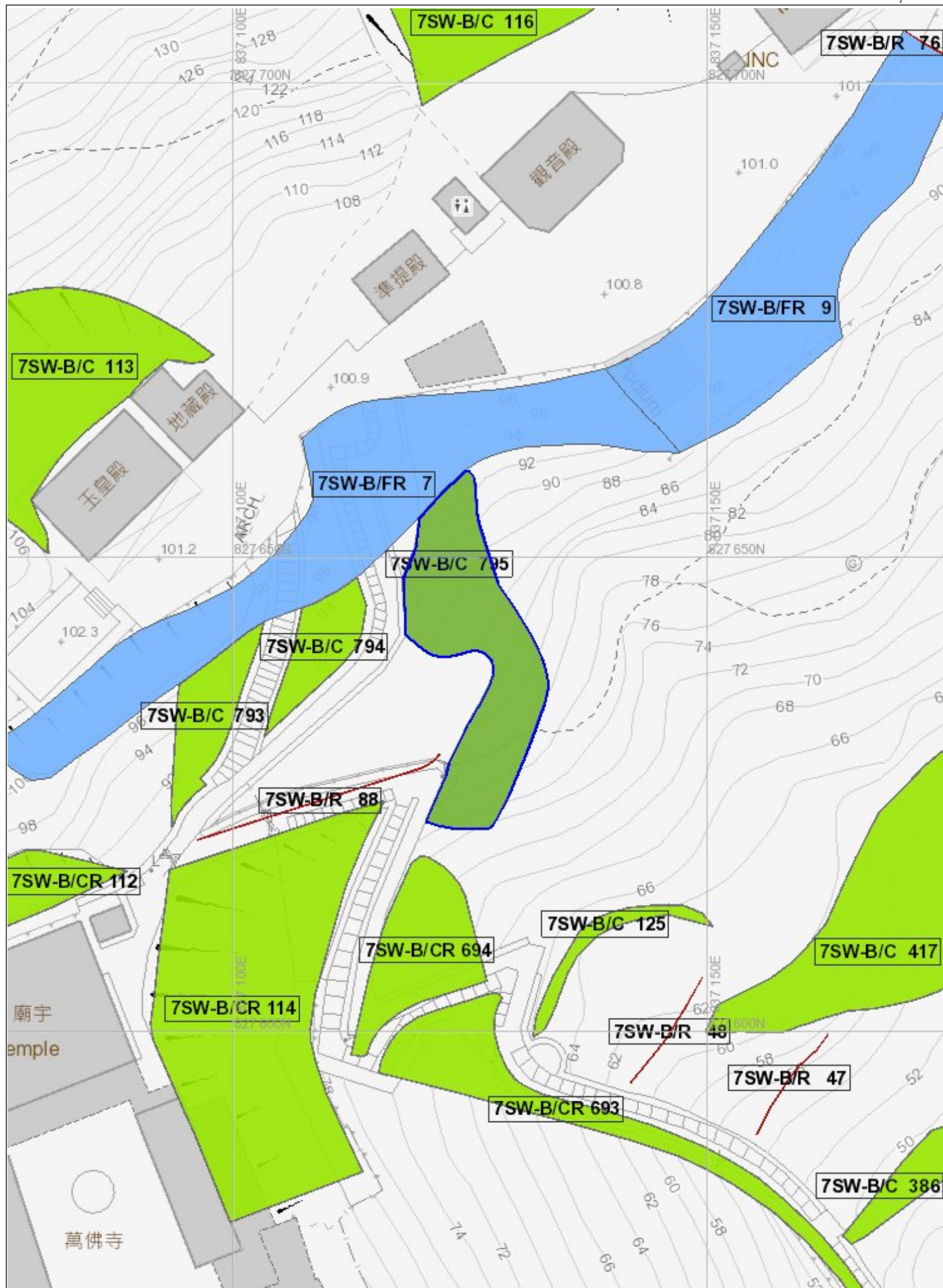
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: North-east of Ten Thousand Buddhas Monastery, Shatin

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837111 Northing : 827652

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Temple

Distance of Facility from Crest (m): 5.5

Facility at Toe: Undeveloped green belt

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 7 Length (m): 78 Average Angle (deg): 50

WALL PART

(1) Max. Height (m): 5.4 Length (m): 55 Face Angle (deg): 85



MAINTENANCE RESPONSIBILITY

Private Feature Party: DD185 LOT324 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 24-01-2000
Data Source: SIRST
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 30 Chunam: 0 Shotcrete: 70 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

Wall Part (1)

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

SERVICES

N/A

PAGE 4 OF 7

Sign of Seepage:	Slope : No signs of seepage Wall : No sign of seepage
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:	
Masonry wall/Masonry facing:	Y
Note:	Dressed Block Wall
Consequence category (for critical section):	1
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

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

OTHER EXTERNAL ACTION

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

PHOTO



7SW-B/FR 7

24 Jan 2000

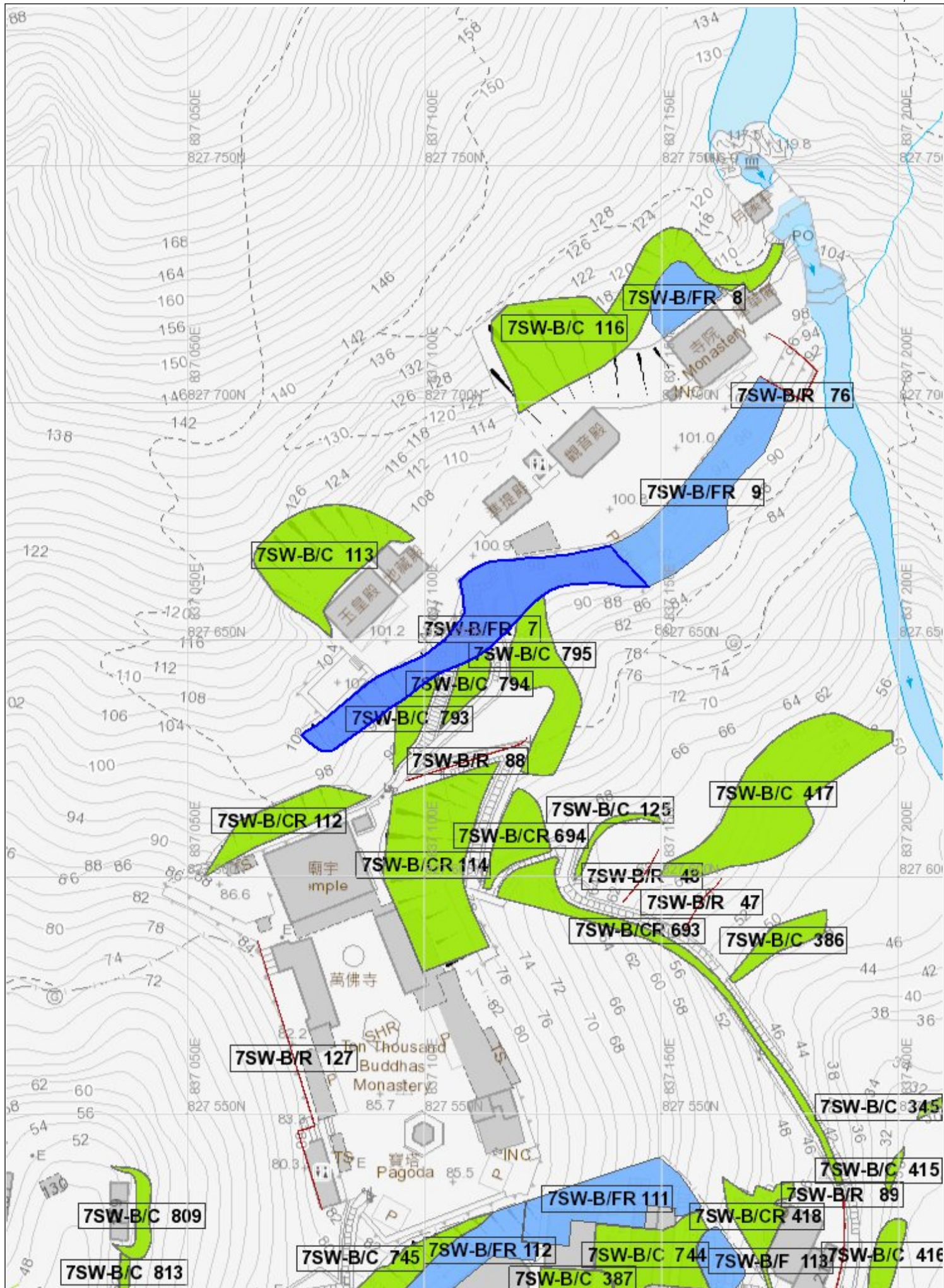
Photo 1 : General View



7SW-B/FR 7

24 Jan 2000

Photo 2 : General View



BASIC INFORMATION

Location: TEN THOUSAND BUDDHAS MONASTERY, SHATIN

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837154 Northing : 827722

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m): 0

Facility at Toe: Monastery

Distance of Facility from Toe (m): 1

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5 Length (m): 14 Average Angle (deg): 35

WALL PART

(1) Max. Height (m): 1.6 Length (m): 14 Face Angle (deg): 85



MAINTENANCE RESPONSIBILITY

Private Feature Party: DD185 Lot324 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 04-12-1996
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

Wall Part (1)

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

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: ME

Section No: 1-1

Height(m):

Type of Toe Facility: Monastery

Distance from Toe(m): 1

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:

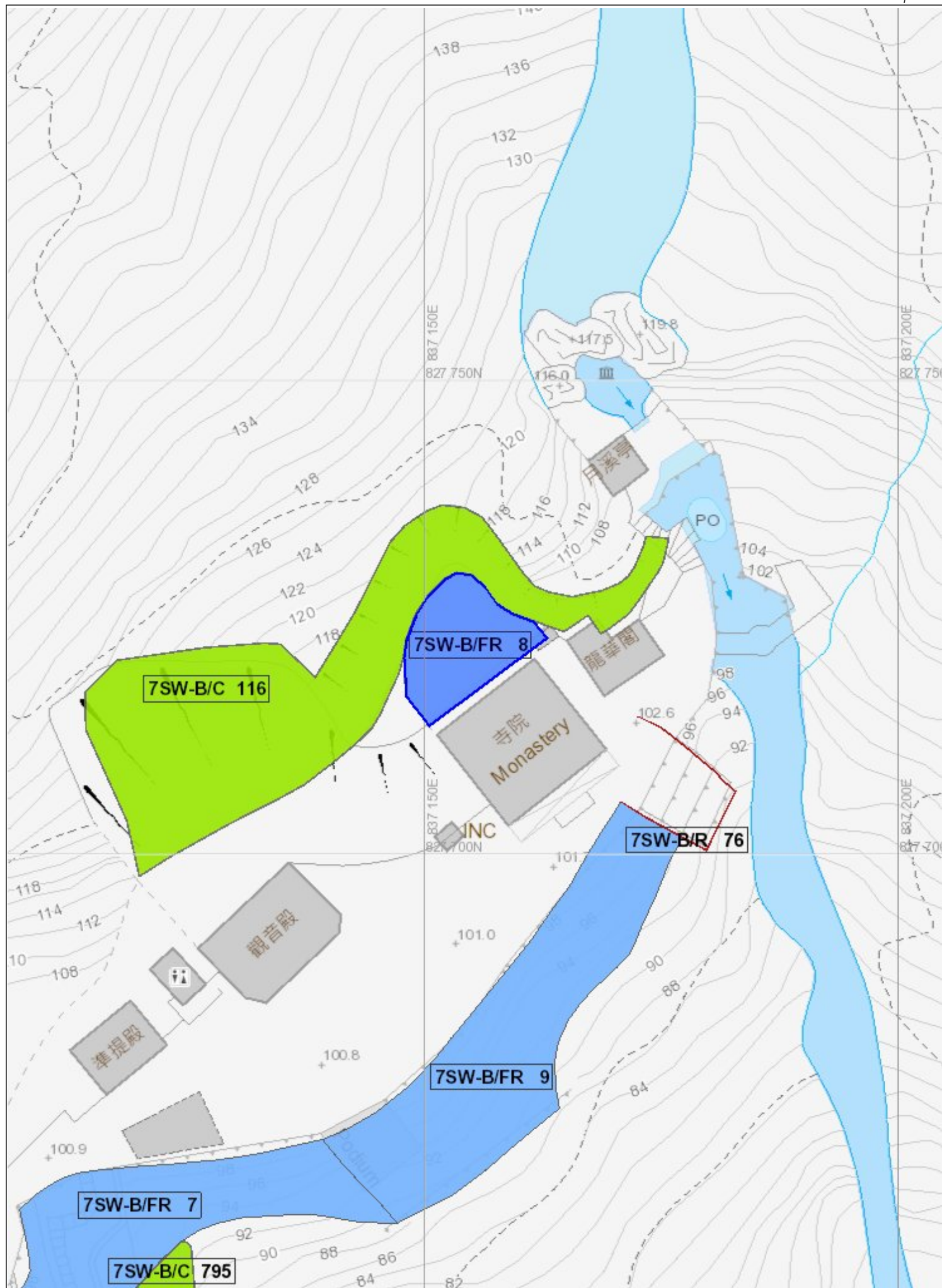
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: TEN THOUSAND BUDDHAS MONASTERY, SHATIN

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837162 Northing : 827684

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Lightly-used open area/facilities

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): 13 Length (m): 49 Average Angle (deg): 35

WALL PART

(1) Max. Height (m): 3.8 Length (m): 20 Face Angle (deg): 85



MAINTENANCE RESPONSIBILITY

Private Feature Party: DD185 Lot324 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 04-12-1996
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 & Rock 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: Others	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



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: ME

Section No: 1-1

Height(m):

Type of Toe Facility: Undeveloped green belt

Distance from Toe(m): 0

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

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

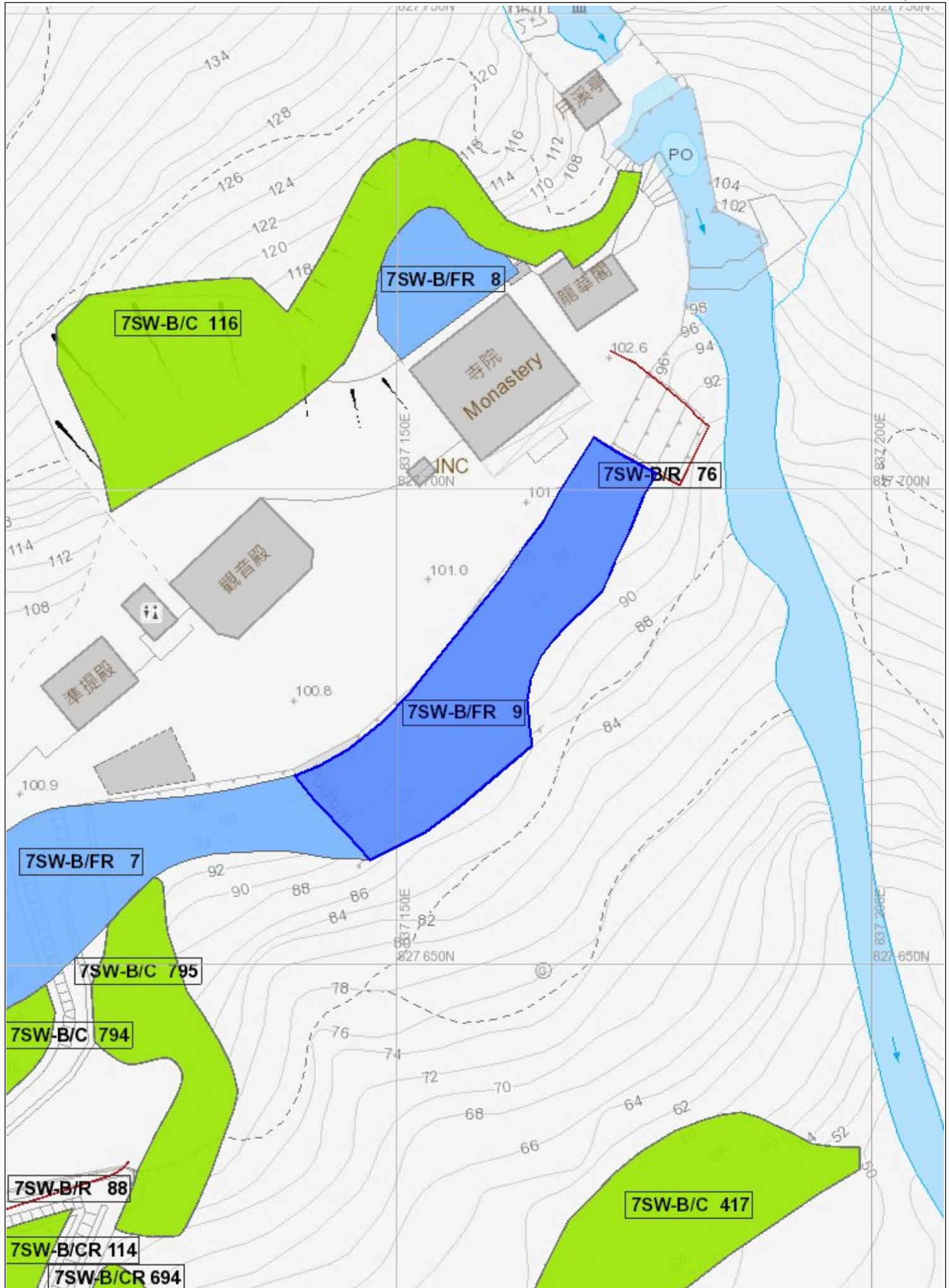
Non-routine Maintenance:

Action By: N/A

PHOTO



7SW-B/FR9 DISTRESS



BASIC INFORMATION

Location: Ten Thousand Buddhas Monastery, Shatin

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 837181 Northing : 827703

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Monastery

Distance of Facility from Crest (m): 1.5

Facility at Toe: Undeveloped green belt

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 13 Length (m): 9 Face Angle (deg): 80



MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: DD185 Lot324	Agent: N/A
Mixed Feature	Party: Lands D	Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	02-12-2016
Data Source:	LPM
Slope Part Drainage:	N/A

Wall Part Drainage:	N/A
---------------------	-----

SLOPE PART

N/A



WALL PART

Wall Part (1)

Type of Wall:	Wall Material: Concrete	Wall Location: Wall at toe
Berm:	No. of Berms: 4	Min. Berm Width (m): 1.7
Weepholes:	Size (mm): N/A	Spacing (m): N/A

SERVICES

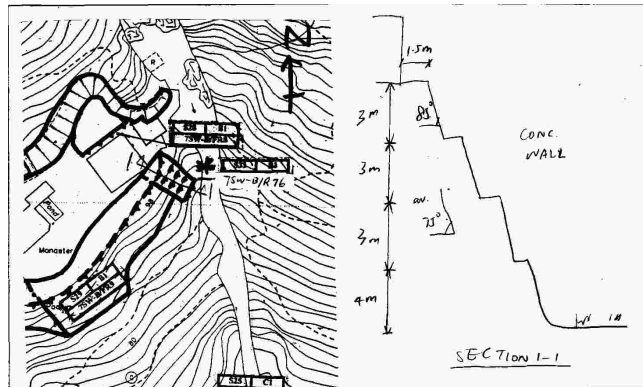
N/A

STAGE 1 STUDY REPORT

Inspected On: 04-12-1996

Weather: Mainly Fine

District: ME



Section No: 1-1

Height(m): H1 : 13 , H2 : 13

Type of Toe Facility: Undeveloped green belt

Distance from Toe(m): 0

Type of Crest Facility: Monastery

Distance from Crest(m): 1.5

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category: 1

Engineering Judgement: P

Sign of Seepage:	Slope : N/A Wall : No sign of seepage
Criterion A satisfied:	N
Sign of Distress:	Slope : N/A Wall : N/A
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	N
Note:	N/A
Consequence category (for critical section):	1
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

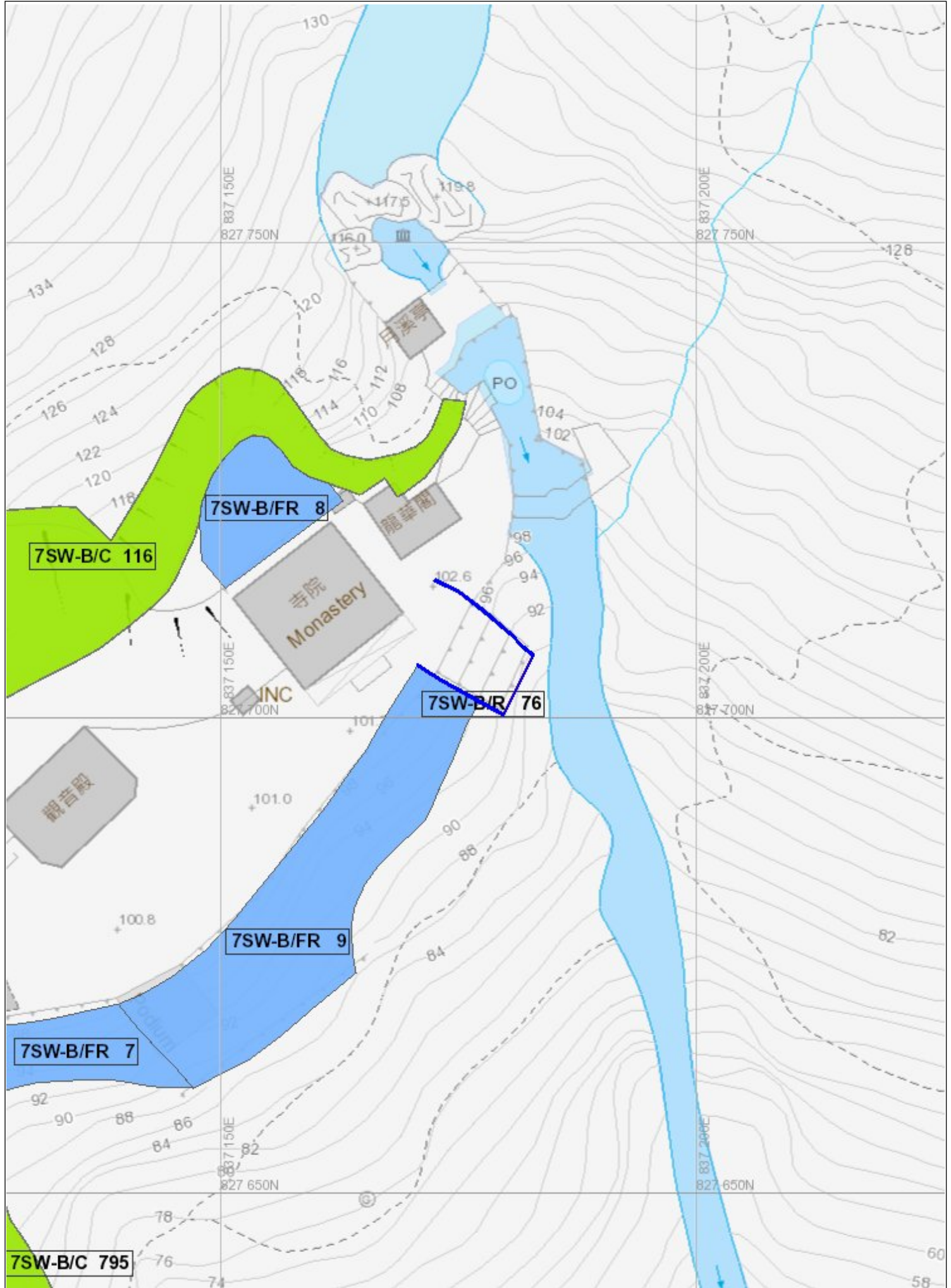
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	Y
Action By:	Mixed

OTHER EXTERNAL ACTION

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

PHOTO





Appendix 3

-

Extracted Structural Appraisal Report of “Mei Tor Din” and “Lung Wah Kok” and Engineer Inspection Reports for Features nos. 7SW-B/R127 and 7SW-B/R131.

Ten Thousand Buddhas Monastery

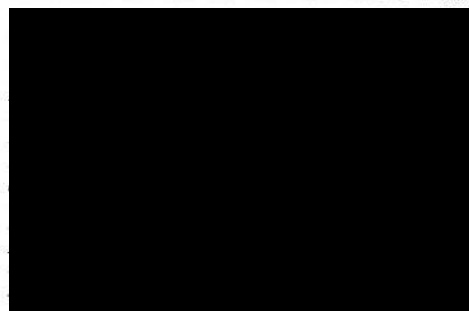
Structural Appraisal Report For Mei Tor Din (彌陀殿)

Client

香港萬佛寺管理委員會有限公司
香港新界沙田
鄉事委員會信箱12號

Consulting Engineer

Maurice Lee & Associates Ltd.



Job No.: HA971
Document No.: HA971/03
Doc. No.: 003R

Date: 16th March 2018

Ten Thousand Buddhas Monastery Structural Appraisal Report for Mei Tor Din

Table of Content

1. Introduction
2. Observations on Mei Tor Din
3. Recommendations

Appendix A Layout Plan

Appendix B Photo Records

1 st Issue	16th March 2018	TC	WT	CTK
Revision	Date	Prepared by	Checked by	Approved by

Ten Thousand Buddhas Monastery

Structural Appraisal Report for Mei Tor Din

1 Introduction

- 1.1 The Management of the Ten Thousand Buddhas Monastery (TTBM) intended to apply the columbaria license under the Private Columbaria Ordinance for the “Mei Tor Din” inside the Shatin Ten Thousand Buddhas Monastery (herein after called the “Premises”).
- 1.2 Maurice Lee & Associates Ltd. (MLAL) is appointed by the Management to provided Authorized Person (AP) and Registered Structural Engineer (RSE) services for supporting the license application.
- 1.3 MLAL has carried out visual inspection and site measurement works on the Premises for the appraisal of the existing building structure. The site inspection was carried out by representative of MLAL on 13rd March 2018. The layout plan of the Premises based on the site measurement record is attached in Appendix A while the inspection record photo is attached in Appendix B.
- 1.4 This report presents the finding of the inspection and results of the site measurement works,

2 The Premises

There is no available record of the building structure neither from the Government or the Management. According to Management, the building has been built for more than sixty years for the use of columbaria.

3 Observations and Findings

Based on the measurement record, the Premises is a Two storey concrete structure of approximately 13m (Width) x 13m (Depth) x 7m (Height). The building were enclosed by concrete walls of 380mm thick. The floor was constructed on reinforced concrete slab with 150mm level different with the outside ground level. The roof slab is approximately 200mm thick including the finishes and waterproofing.

The two storeys offer storage of 4473 units of columbaria in total.

During the inspection, the building structure was maintained in good condition. No defects due to overloading, dilapidation or signs of excessive deflection / deformation and undue settlement of the structural elements was observed.

There is also no signs of water leakage or rusty relics observed during the inspection.

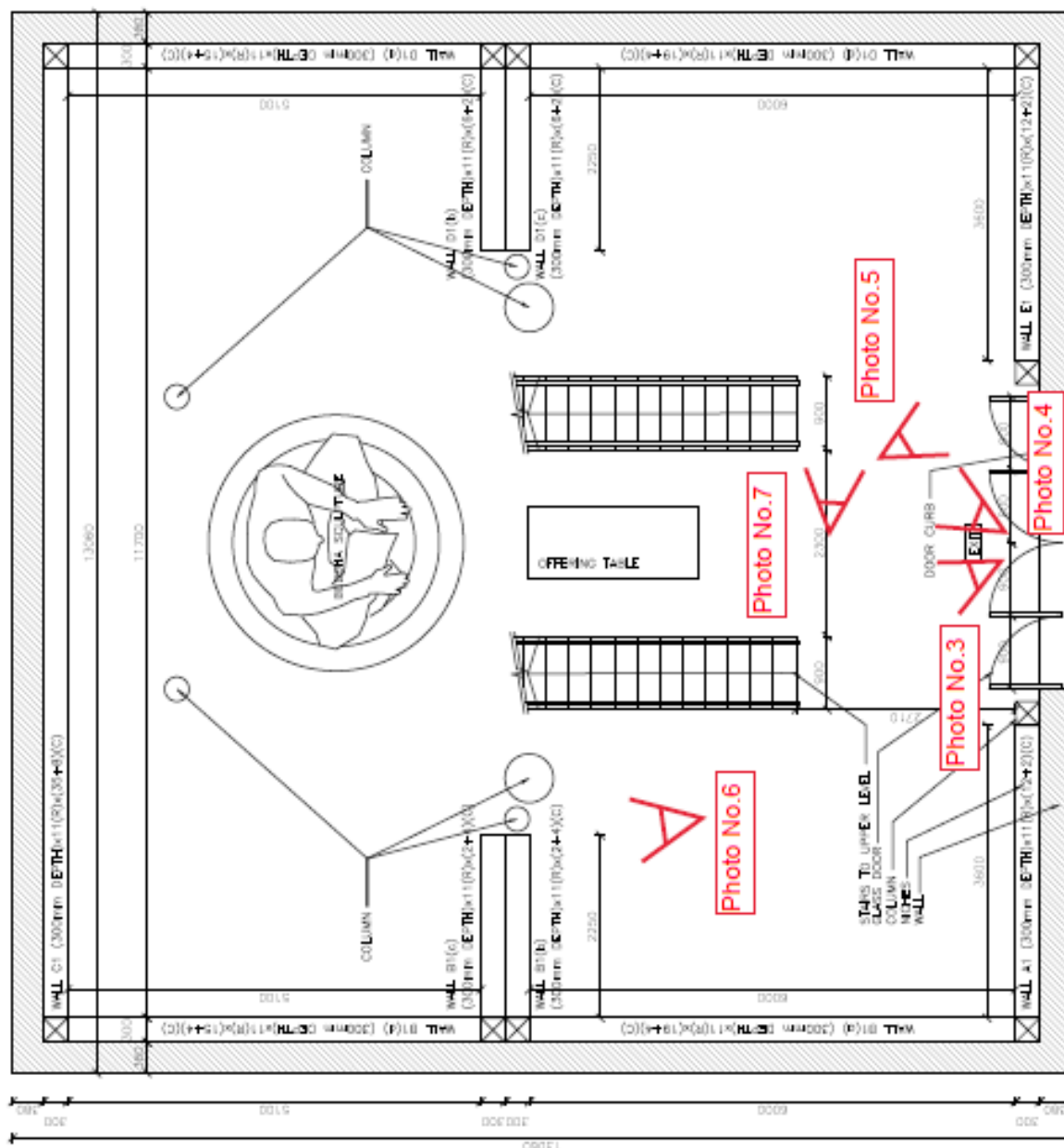
4 Conclusion and Recommendations

The structural condition of the Premises is considered to be sound and stable. No remedial works or strengthening works are required.

The columbaria is suitable for continuous use for coming five years until next inspection carried out by AP/RSE. Routine maintain inspection by the Management is recommended at the annual interval. Annual maintenance inspection by the Management is recommended to ensure the proper usage condition and prolong the service life of the Premises.

~ End of Text ~

Appendix A: Layout Plan



Remark:

Photo No.:	Title: Photo Index of Mei Tor Din	Photo Date: 13/3/2018
Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司		Job No.: HA971
Project: 萬佛寺骨灰安置所		

Appendix B: Photo Records



Remark:

Photo No.: 1	Title: Entrance to Mei Tor Din	Photo Date: 13/3/2018
-----------------	--------------------------------	--------------------------



Remark:

Photo No.: 2	Title: Entrance to Mei Tor Din	Photo Date: 13/3/2018
-----------------	--------------------------------	--------------------------

Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司	Project: 萬佛寺骨灰安置所	Job No.: HA971
---	--------------------------	--------------------------



Remark:

Photo No.: 3	Title: Interior View of Mei Tor Din Showing Two Columns	Photo Date: 13/3/2018
-----------------	---	--------------------------



Remark:

Photo No.: 4	Title: Interior View of Mei Tor Din Showing Two Columns	Photo Date: 13/3/2018
-----------------	---	--------------------------

Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司	Project: 萬佛寺骨灰安置所	Job No.: HA971
--	-------------------	-------------------



Remark:

Photo No.: 5	Title: Cockloft of Mei Tor Din	Photo Date: 13/3/2018
-----------------	--------------------------------	--------------------------



Remark:

Photo No.: 6	Title: Interior View of Mei Tor Din Showing Columns	Photo Date: 13/3/2018
-----------------	---	--------------------------

Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司	Project: 萬佛寺骨灰安置所	Job No.: HA971
---	--------------------------	--------------------------

Remark:



Remark:

Photo No.: 7	Title: Ceiling of Mei Tor Din	Photo Date: 13/3/2018
Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司	Project: 萬佛寺骨灰安置所	Job No.: HA971

Ten Thousand Buddhas Monastery

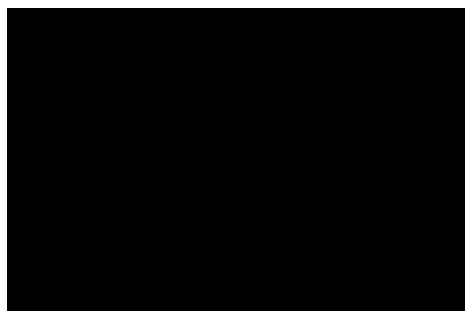
Structural Appraisal Report For Lung Wah Kok (龍華閣)

Client

香港萬佛寺管理委員會有限公司
香港新界沙田
鄉事委員會信箱12號

Consulting Engineer

Maurice Lee & Associates Ltd.



Job No.: HA971
Document No.: HA971/04
Doc. No.: 004R

Date: 16th March 2018

Ten Thousand Buddhas Monastery Structural Appraisal Report for Lung Wah Kok

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1. Introduction
2. Observations on Lung Wah Kok
3. Recommendations

Appendix A Layout Plan
Appendix B Photo Records

1 st Issue	16th March 2018	TC	WT	CTK
Revision	Date	Prepared by	Checked by	Approved by

Ten Thousand Buddhas Monastery

Structural Appraisal Report for Lung Wah Kok

1 Introduction

- 1.1 The Management of the Ten Thousand Buddhas Monastery (TTBM) intended to apply the columbaria license under the Private Columbaria Ordinance for the “Lung Wah Kok” inside the Shatin Ten Thousand Buddhas Monastery (herein after called the “Premises”).
- 1.2 Maurice Lee & Associates Ltd. (MLAL) is appointed by the Management to provided Authorized Person (AP) and Registered Structural Engineer (RSE) services for supporting the license application.
- 1.3 MLAL has carried out visual inspection and site measurement works on the Premises for the appraisal of the existing building structure. The site inspection was carried out by representative of MLAL on 13rd March 2018. The layout plan of the Premises based on the site measurement record is attached in Appendix A while the inspection record photo is attached in Appendix B.
- 1.4 This report presents the finding of the inspection and results of the site measurement works,

2 The Premises

There is no available record of the building structure neither from the Government or the Management. According to Management, the building has been built for more than sixty years for the use of columbaria.

3 Observations and Findings

Based on the measurement record, the Premises is a single storey concrete structure of approximately 7.56m (Width) x 4.56m (Depth) x 2.2m (Height). The building were enclosed by concrete walls of 380mm thick. The floor was constructed on reinforced concrete slab with 150mm level different with the outside ground level. The roof slab is approximately 200mm thick including the finishes and waterproofing.

The five compartments offer storage of 648 units of columbaria in total.

During the inspection, the building structure was maintained in good condition. No defects due to overloading, dilapidation or signs of excessive deflection / deformation and undue settlement of the structural elements was observed.

There is also no signs of water leakage or rusty relics observed during the inspection.

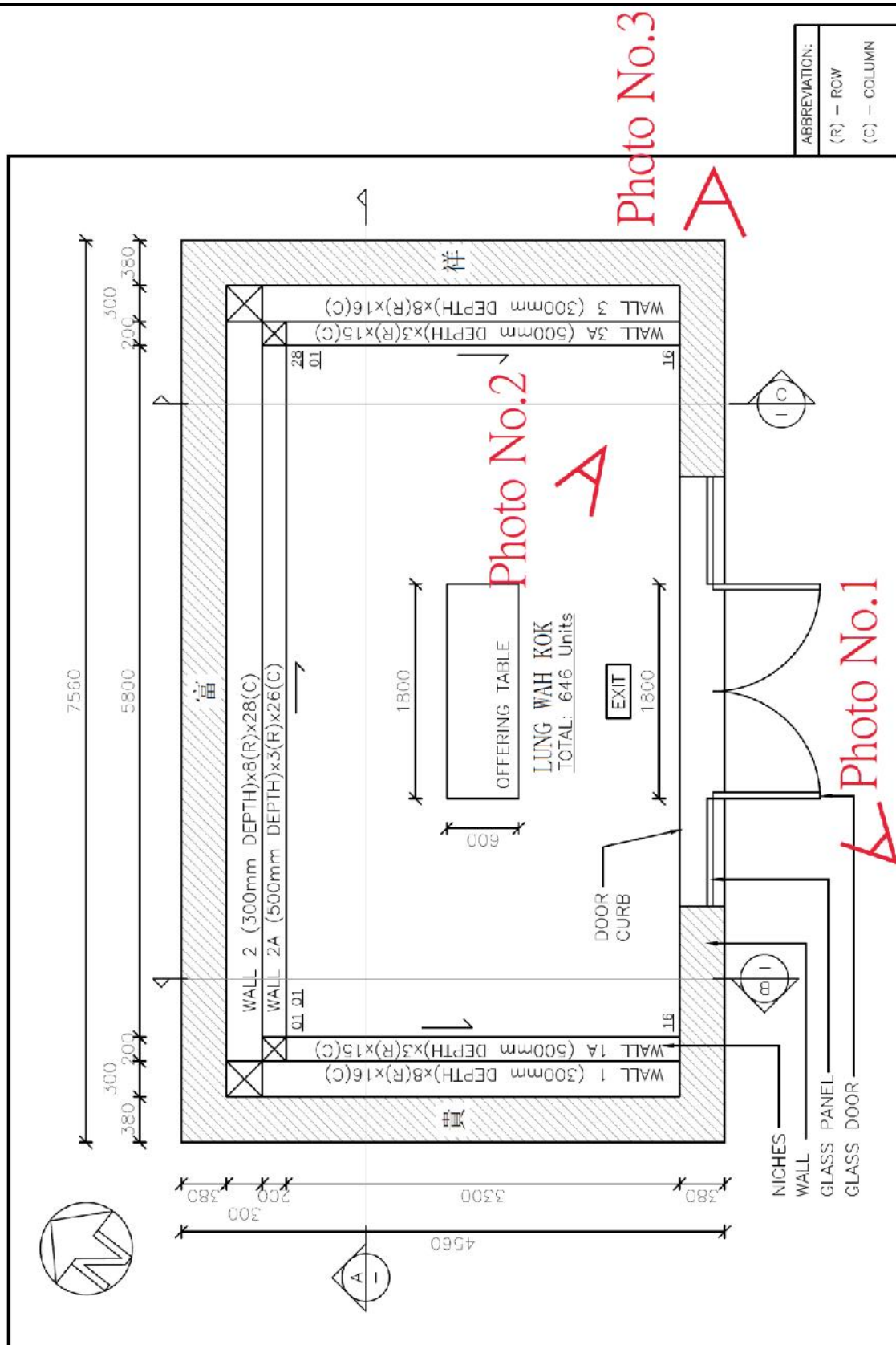
4 Conclusion and Recommendations

The structural condition of the Premises is considered to be sound and stable. No remedial works or strengthening works are required.

The columbaria is suitable for continuous use for coming five years until next inspection carried out by AP/RSE. Routine maintain inspection by the Management is recommended at the annual interval. Annual maintenance inspection by the Management is recommended to ensure the proper usage condition and prolong the service life of the Premises.

~ End of Text ~

Appendix A: Layout Plan



Remark:

Photo No.:	Title: Photo Index of Lung Wah Kok	Photo Date: 13/3/2018
Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司	Project: 萬佛寺骨灰安置所	Job No.: HA971

Appendix B: Photo Records



Remark:

Photo No.: 1	Title: External View of Lung Wah Kok	Photo Date: 13/3/2018
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Remark:

Photo No.: 2	Title: Interior of Lung Wah Kok Showing a Roof Beam	Photo Date: 13/3/2018
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Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司	Project: 萬佛寺骨灰安置所	Job No.: HA971
---	--------------------------	--------------------------



Remark: 4 columns are located at all 4 corners to support the roof. Walls between columns

Photo No.: 3	Title: Approximate Width of External Column at Lung Wah Kok	Photo Date: 13/3/2018
Maurice Lee & Associates Ltd. 李榮護建築工程師事務所有限公司		Project: 萬佛寺骨灰安置所 Job No.: HA971

Engineer Inspection

For

7SW-B/R 127 & 7SW-B/R 131

at Ten Thousand Buddhas Monastery

No. 221 Pai Tau Village,

Sha Tin, New Territories,

Hong Kong

DD185 LOT 358 & LOT 359

Client

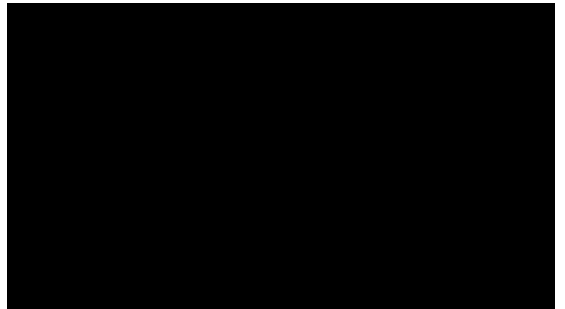
香港萬佛寺管理委員會有限公司
香港新界沙田鄉事委員會信箱 12 號

Job No.: HA971

Document No.: HA 971/R05

The Engineer

Maurice Lee & Associates Ltd.



Date: 25 July 2025

Content

1. Introduction
2. Site description
3. Engineer Inspection for Maintenance
4. Maintenance work required for features
5. Recommendations and Conclusions
6. References

Figures

Figure 1 Location Plan

Figure 2 Location Plan for Features

Appendices

Appendix A Record of Engineer Inspection for Maintenance

1. **Introduction**

Maurice Lee and Associates Ltd. was appointed by the Ten Thousand Buddhas Monastery to carry out an Engineer Inspection for maintenance service for 2 features at No. 221 Pai Tau Village, Sha Tin, New Territories, Hong Kong – DD185 LOT 358 & LOT 359. The site location plan refers to Figure 1, and the location for feature refers to Figure 2. The inspections were conducted on 23 July 2025.

2. **Site Description**

The maintenance responsibility of the features was based on the Slope Maintenance Responsibility Information System (SMRIS) on the website of the Lands Department (LandsD). All information on the 2 features can be retrieved from the web site, and the details refer to Appendix 2 above. The details are as listed in Tables 2.1.

Table 2.1 Maintenance responsibility of the features

Lot no.	Features No.		Sub-division No.
DD185 LOT 358 & LOT 359	1	7SW-B/R 127	-
	2	7SW-B/R 131	-

The basic information of inspected features is as below:

2.1 **Feature No. 7SW-B/R 127**

Feature No. 7SW-B/R 127 consists of a 61m long retaining wall with a maximum height of 3.4m. It has a vertical slope of 90° and it is constructed by concrete. The feature is located at the west side and under the Ten Thousand Buddhas Monastery.

2.2 **Feature No. 7SW-B/R 131**

Feature No. 7SW-B/R 131 consists of a 24m long retaining wall with a maximum height of 4.5m. It has a vertical slope of 90° and it is constructed by concrete. The feature is located at the west side and under the Ten Thousand Buddhas Monastery.

3. **Engineer Inspection for Maintenance**

3.1 During the site inspection, the details of the inspections are contained in the record sheets of Engineer Inspection for Maintenance included in Appendix 2 above. Only show typical defects, other similar defects are not recorded but should be identified on site and repaired as required.

- 3.2 According to SIS records of the inspected features and with reference to PNAP APP-109, the Consequence-to-Life (CTL) category of the inspected features remains unchanged. The CTL categories for the inspected features have been assessed and evaluated as shown in Tables 3.1.

Table 3.1 CTL categories for the inspected features

Feature No.		Facility at Crest	Facility at Toe	CTL Category
1	7SW-B/R 127	Temple	Undeveloped green belt	2
2	7SW-B/R 131	Temple	Undeveloped green belt	2

- 3.3 Based on the retrieved BD record drawings, all features were strengthened by different works. These features are considered reasonable in the light of current practice and safety standard. Details are shown in the Appendix 1 above.
- 3.4 Standard Routine Maintenance Inspection Records was not carried out in past years. It is recommended that the owners should carry out the suggested maintenance work as detailed in Section 5 regularly, keep maintenance / inspection records and make them available for inspection in future.
- 3.5 It is recommended that annual routine maintenance inspection should be carried out and all surface channels, catchpits and staircases should be cleared regularly. The Routine Maintenance Records and Engineer Inspection Records should be kept and made available for inspection during the next scheduled inspection. The Engineer Inspection for Maintenance should be carried out once every 5 years.

4. Maintenance Work Required for Features

Plate nos. reference and location are in Appendix F. Only typical defects are listed, other similar defects are not recorded but should be identified a site and repaired as required.

4.1 Feature No. 7SW-B/R 127

- Remove undesigned vegetation on the retaining wall. (Plates 1.5, 1.7, 1.8 and 1.10)
- Remove accumulated debris on the retaining wall. (Plates 1.6 and 1.7)
- Repair crack by non-shrink cement mortar on the retaining wall. (Plate 1.9)

4.2 Feature No. 7SW-B/R 131

- Repair crack by non-shrink cement mortar on the retaining wall. (Plates 2.3 and 2.4)
- Remove undesigned vegetation on the retaining wall. (Plates 2.5 and 2.6)
- Remove undesigned vegetation in the weephole. (Plates 2.5)

5. Conclusions

Relevant documentary information has been reviewed, and site inspection has been carried out on 23 July 2025. During the site inspection, we found some defects at the features studied as listed in the following:

- Accumulated debris and undesigned vegetation on the retaining wall and weephole.
- Crack on the retaining wall

Finally, we remind you that the Engineer Inspection for Maintenance should be carried out once every 5 years, the next Engineer inspection should be before or on 23 July 2030. Also, the Routine Maintenance Inspection should be carried out every year for next Engineer's information.

6. References

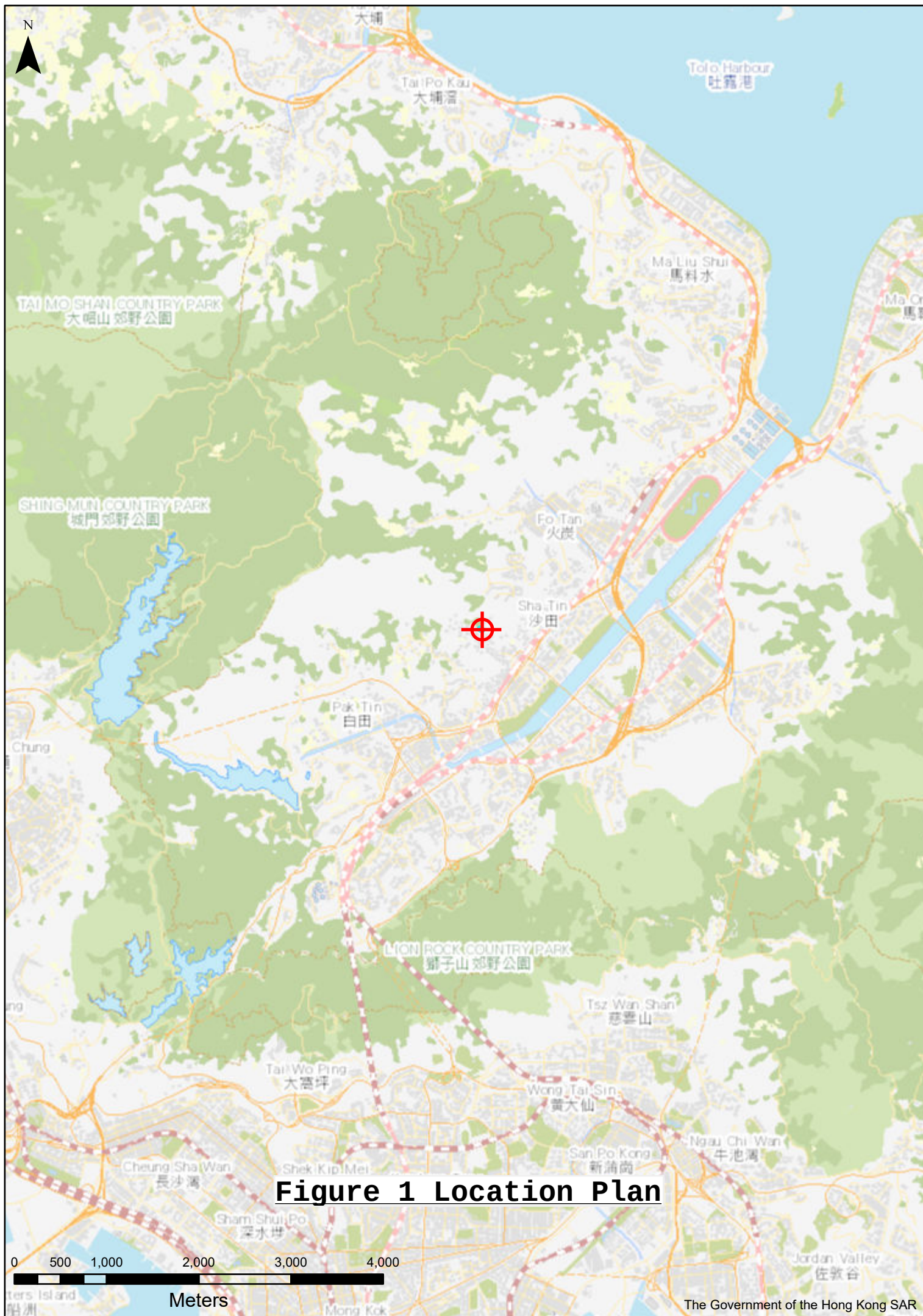
Geoguide 5 (Guide to slope maintenance)

Geotechnical Manual for Slope

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Figures

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Appendix A
Record of Engineer Inspection for Maintenance

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RECORD OF ENGINEER INSPECTION FOR MAINTENANCE		(SHEET 1 OF 12)
Slope / Retaining Wall REFERENCE No.⁽¹⁾		7SW-B/R 127
Location of Slope (Address)		
Date of Inspection:		23 July 2025
Date of Last Engineer Inspection:		-
Due Date of Next Engineer Inspection:		23 July 2030
Weather Condition at Time of Inspection:		Sunny
REVIEW OF ROUTINE MAINTENANCE ● Have routine maintenance works been satisfactorily carry out? (Give details if the answer is “Partially”) Yes / Partially / No ● Are the maintenance record sheets used adequate? Yes / No ● Have adequate maintenance records been kept? Yes / No ● Is there adequate access to the slope for Maintenance Inspections? Yes / No ● Has the full extent of the slope to be inspected and maintained been established (i.e. checked against lease document issued by Lands Department)? Yes / No		
OTHER OBSERVATIONS NIL		
Note: (1) Upon request, the Geotechnical Engineering Office can provide a slope or retaining wall reference number if applicable.		

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 2 OF 12)**~~Slope~~ Retaining Wall REFERENCE No.**7SW-B/R 127****CONDITION OF RETAINING WALL**

Items to be checked	Condition	Works Needed
Weepholes (Yes /No)	Clear /Partly blocked / Blocked	N/A
Mortar joints / pointing (Yes /No)	Good /Fair / Poor	N/A
Drainage channels (Yes /No)	Clear / Partly blocked / Blocked No / Moderate / Severe Cracking	N/A
Outlets of drainpipes (Yes /No)	Clear /Partly blocked / Blocked	N/A
Concrete facing (Yes /No)	Good / Fair /Poor	As shown on the photo and recommendations
Others: (Specify)	NIL	
Questions to be asked	Remarks	Works Needed
Any recent wall settlement? (Yes /No)	Record any of these anomalies since the last inspection and note any recurrence of the same problem. If yes to any of these questions, give details of the observations and implications of the problems (continue on separate sheets if necessary).	N/A
Any recent wall cracking? (Yes /No)		N/A
Any recent wall tilting? (Yes /No)		N/A
Any recent wall bulging? (Yes /No)		N/A
Any recent seepage? (Yes /No)		N/A
Any other signs of distress (please specify)? (Yes /No)		N/A

COMMENTS (continue on separate sheets if needed)

NIL

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE		(SHEET 3 OF 12)
Slope Retaining Wall REFERENCE No.		7SW-B/R 127
BURIED WATER-CARRYING SERVICES (including ducting systems and conduits) ● Will services adversely affect the slope or retaining wall in the event of leakage? (Yes/ No) ● Has there been any change to services since last Engineer Inspection for Maintenance? (Yes/ No) ● Are there signs of water leakage from services? (Yes/ No) ● Do any services need immediate leakage testing? (Yes/ No) ● Is re-routing of services necessary and practicable? (Yes/ No) ● Do any services require regular checks? (If yes, recommend frequency) (Yes/ No) If yes in any of the above items, give details of the observations and/ or recommendations: (continue on separate sheets if needed) Others		
GENERAL COMMENTS ● Has Stability Assessment / upgrading work* been carried out? (Yes /No) ● Has the stability of the slope retaining wall* previously been assessed to be adequate? (Yes /No) ● Are the engineering approach used, the assumptions and conclusions made in the previous Stability Assessment reports reasonable in light of the current practice and safety standards? (If no, give details) (Yes /No) ● Is there any change that has taken place, which could have reduced the stability of the slope retaining wall since the last Stability Assessment / upgrading works*? (If yes, give details of observations?) (Yes/ No) ● Has the consequence-to-life category of the slope retaining wall changed? (If yes, from _____ to _____ and update slope record for facilities type affected) (Yes/ No) ● Is the frequency of Routine Maintenance Inspection satisfactory? (If no, recommend now frequency) - Annually (Yes/ No) ● Is the frequency of Engineer Inspection for Maintenance satisfactory? (If no, recommend new frequency) - Five years (Yes/ No) ● Has Regular Check of buried Water-carrying Services been carried out? (Yes/ No) ● Has Regular Monitoring of Special Measures (if required) been satisfactorily carried out? N/A ● Have recommendations from past Engineer Inspections been carried out? (Yes/ No) ● Are surface drains adequate in size and proper in layout? (If no, consider recommending Preventive Maintenance Works) (Yes /No) Others		

* delete where appropriate.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE	(SHEET 4 OF 12)
Slope Retaining Wall REFERENCE No.	7SW-B/R 127
RECOMMENDATIONS ON ROUTINE MAINTENANCE WORKS (show Location and nature of proposed works on a plan)	
- Remove undesigned vegetation on the retaining wall. (Plates 1.5, 1.7, 1.8 and 1.10) - Remove accumulated debris on the retaining wall. (Plates 1.6 and 1.7) - Repair crack by non-shrink cement mortar on the retaining wall. (Plate 1.9)	
RECOMMENDATIONS ON PREVENTIVE MAINTENANCE WORKS (Show location and nature of proposed works on plan)	
NIL	
OVERALL STATE OF SLOPE MAINTENANCE Class 1 /Class 2	
(Refer to Tables 4.1 & 4.2 of Geoguide 5: if a slope or retaining wall has major defects affection the function of one or more of the following items, its overall state of slope maintenance is Class 2)	
● Any major defects in surface protection?	(Yes / No)
● Any major defects in surface drainage system?	(Yes) / No)
● Any major defects in subsurface drainage system?	(Yes) / No)
● Any major leakage of water-carrying services?	(Yes) / No)
● Any major defects in special measures?	(Yes) / No)
Others	

* delete where appropriate.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 5 OF 12)****~~Slope~~ Retaining Wall REFERENCE No.****7SW-B/R 127****OTHER RECOMMENDATIONS**

(e.g. where there is concern on the health of the trees and presence of decaying or dying tree, advice from specialist such as horticulturist may be recommended.)

NIL

C-T-L Category downgrade in accordance to GEO TGN 15:

(~~Yes~~ / No)

Frequency of Inspections (update Maintenance Manual if necessary)

Frequency of Routine maintenance Inspections:

1 Year

Frequency of Engineer Inspections for Maintenance:

5 Years

Frequency of Regular Checks of Buried Water-carrying Services:

5 Years

Name of Inspecting Engineer: Ir. K.M. Chan

Organisation: Maurice Lee and Associates Ltd.

Qualification: RPE (Geotechnical)

Signature: 

Date:

25.7.2025

Received by:

(Name of owner or his authorised representative)

Of

(Organisation)

Signature: _____

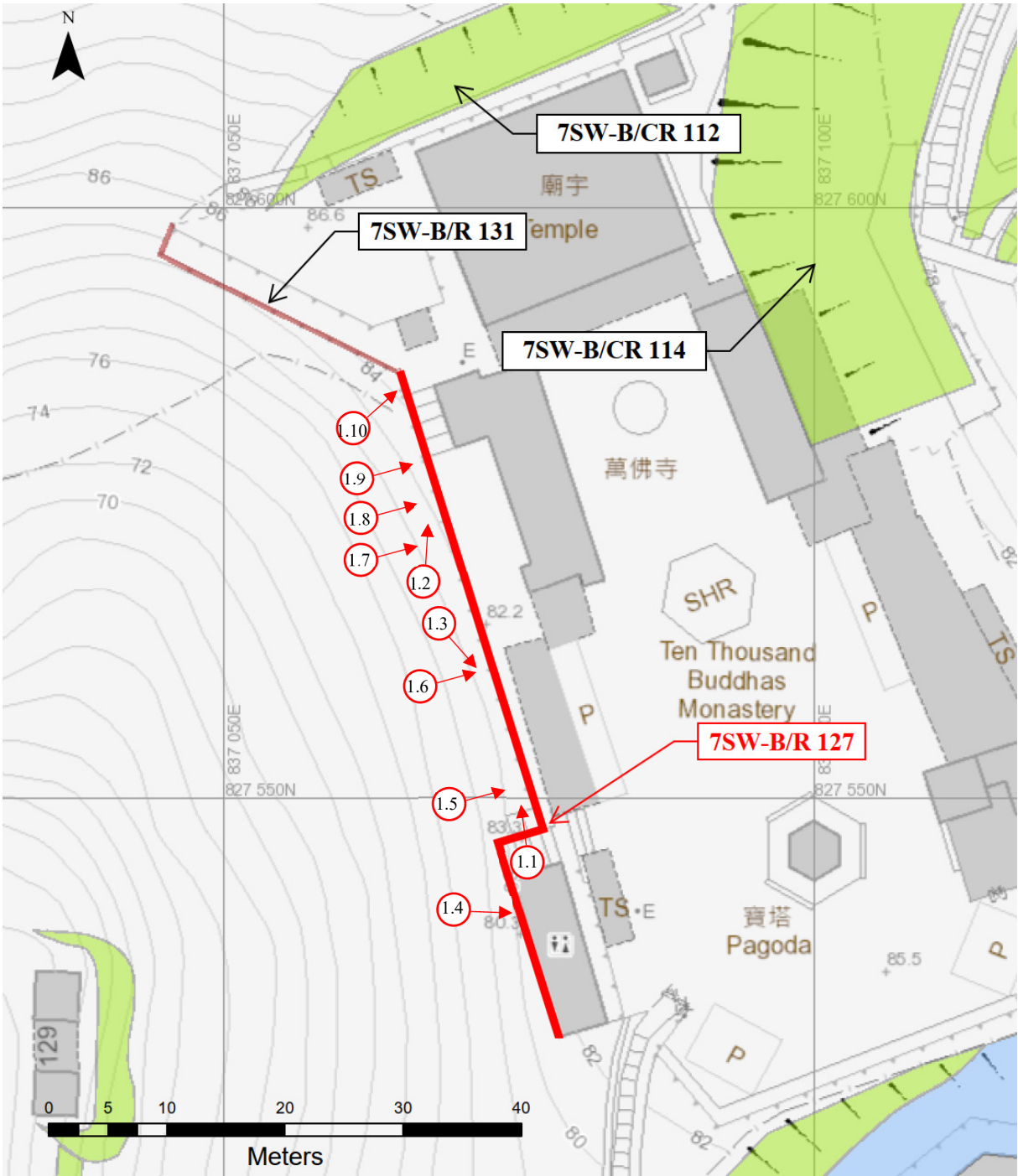
Date: _____

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE		(SHEET 6 OF 12)
Slope Retaining Wall REFERENCE No.		7SW-B/R 127
Record of information search (A list of the documents identified and reviewed, with comments on the contents, date, and places each is obtained. Some relevant sources of information are given in appendix H Geoguide 5 and Chapter 8.		
General information: NIL Online Information: Slope report (SIMAR report) from Lands Department; Slope data (Slope Information System) from Geotechnical Engineering Office of Civil Engineering Department. Relevant Checking files: NIL Public Utilities Records: NIL		
Notes: (1) Add additional record sheets as necessary.		

~~Slope~~ Retaining Wall REFERENCE No.

7SW-B/R 127

SITE PLAN (Reference numbers should be assigned to locations of man-made items for which maintenance works are required. The corresponding reference numbers should be quoted in the photographic records.



Notes: (1) Add additional record sheets as necessary.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE

(SHEET 8 OF 12)

~~Slope~~/ Retaining Wall REFERENCE No.

7SW-B/R 127

Photo records (with descriptions date and reference numbers as given on the site plan)



Plate 1.1 (23/07/2025)
General view of the feature



Plate 1.2 (23/07/2025)
General view of the feature

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 9 OF 12)****~~Slope~~ Retaining Wall REFERENCE No.****7SW-B/R 127**

Photo records (with descriptions date and reference numbers as given on the site plan)

**Plate 1.3** (23/07/2025)

General view of the feature

**Plate 1.4** (23/07/2025)

General view of the feature

~~Slope~~ Retaining Wall REFERENCE No.

7SW-B/R 127

Photo records (with descriptions date and reference numbers as given on the site plan)



Plate 1.5 (23/07/2025)

- Undesigned vegetation on the retaining wall.

Recommendation:

- Remove undesigned vegetation on the retaining wall.



Plate 1.6 (23/07/2025)

- Accumulated debris on the retaining wall.

Recommendation:

- Remove accumulated debris on the retaining wall.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 11 OF 12)****~~Slope~~ Retaining Wall REFERENCE No.****7SW-B/R 127**

Photo records (with descriptions date and reference numbers as given on the site plan)

**Plate 1.7** (23/07/2025)

- Undesigned vegetation on the retaining wall.
- Accumulated debris on the retaining wall.

Recommendation:

- Remove undesigned vegetation on the retaining wall.
- Remove accumulated debris on the retaining wall.

**Plate 1.8** (23/07/2025)

- Undesigned vegetation on the retaining wall.

Recommendation:

- Remove undesigned vegetation on the retaining wall.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 12 OF 12)****~~Slope~~ Retaining Wall REFERENCE No.****7SW-B/R 127**

Photo records (with descriptions date and reference numbers as given on the site plan)

**Plate 1.9** (23/07/2025)

- Crack on the retaining wall.

Recommendation:

- Repair crack by non-shrink cement mortar on the retaining wall.

**Plate 1.10** (23/07/2025)

- Undesigned vegetation on the retaining wall.

Recommendation:

- Remove undesigned vegetation on the retaining wall.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE		(SHEET 1 OF 10)
Slope Retaining Wall REFERENCE No.⁽¹⁾		7SW-B/R 131
Location of Slope (Address) Ten Thousand Buddhas Monastery		
Date of Inspection:		23 July 2025
Date of Last Engineer Inspection:		-
Due Date of Next Engineer Inspection:		23 July 2030
Weather Condition at Time of Inspection:		Sunny
REVIEW OF ROUTINE MAINTENANCE ● Have routine maintenance works been satisfactorily carry out? (Give details if the answer is “Partially”) Yes / Partially / No ● Are the maintenance record sheets used adequate? Yes / No ● Have adequate maintenance records been kept? Yes / No ● Is there adequate access to the slope for Maintenance Inspections? Yes / No ● Has the full extent of the slope to be inspected and maintained been established (i.e. checked against lease document issued by Lands Department)? Yes / No		
OTHER OBSERVATIONS NIL		
Note: (1) Upon request, the Geotechnical Engineering Office can provide a slope or retaining wall reference number if applicable.		

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 2 OF 10)**~~Slope~~ / Retaining Wall REFERENCE No.**7SW-B/R 131****CONDITION OF RETAINING WALL**

Items to be checked	Condition	Works Needed
Weepholes (Yes /No)	Clear / Partly blocked / Blocked	As shown on the photo and recommendations
Mortar joints / pointing (Yes /No)	Good /Fair / Poor	N/A
Drainage channels (Yes /No)	Clear / Partly blocked / Blocked No / Moderate / Severe Cracking	N/A
Outlets of drainpipes (Yes /No)	Clear /Partly blocked / Blocked	N/A
Concrete facing (Yes /No)	Good / Fair /Poor	As shown on the photo and recommendations
Others: (Specify)	NIL	
Questions to be asked	Remarks	Works Needed
Any recent wall settlement? (Yes /No)	Record any of these anomalies since the last inspection and note any recurrence of the same problem. If yes to any of these questions, give details of the observations and implications of the problems (continue on separate sheets if necessary).	N/A
Any recent wall cracking? (Yes /No)		N/A
Any recent wall tilting? (Yes /No)		N/A
Any recent wall bulging? (Yes /No)		N/A
Any recent seepage? (Yes /No)		N/A
Any other signs of distress (please specify)? (Yes /No)		N/A

COMMENTS (continue on separate sheets if needed)

NIL

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE (SHEET 3 OF 10)	
Slope Retaining Wall REFERENCE No.	7SW-B/R 131
BURIED WATER-CARRYING SERVICES (including ducting systems and conduits) ● Will services adversely affect the slope or retaining wall in the event of leakage? (Yes / No) ● Has there been any change to services since last Engineer Inspection for Maintenance? (Yes / No) ● Are there signs of water leakage from services? (Yes / No) ● Do any services need immediate leakage testing? (Yes / No) ● Is re-routing of services necessary and practicable? (Yes / No) ● Do any services require regular checks? (If yes, recommend frequency) (Yes / No) If yes in any of the above items, give details of the observations and/ or recommendations: (continue on separate sheets if needed) Others	
GENERAL COMMENTS ● Has Stability Assessment / upgrading work* been carried out? (Yes / No) ● Has the stability of the slope retaining wall* previously been assessed to be adequate? (Yes / No) ● Are the engineering approach used, the assumptions and conclusions made in the previous Stability Assessment reports reasonable in light of the current practice and safety standards? (If no, give details) (Yes / No) ● Is there any change that has taken place, which could have reduced the stability of the slope retaining wall since the last Stability Assessment / upgrading works*? (If yes, give details of observations?) (Yes / No) ● Has the consequence-to-life category of the slope retaining wall changed? (If yes, from _____ to _____ and update slope record for facilities type affected) (Yes / No) ● Is the frequency of Routine Maintenance Inspection satisfactory? (If no, recommend now frequency) - Annually (Yes / No) ● Is the frequency of Engineer Inspection for Maintenance satisfactory? (If no, recommend new frequency) (Yes / No) ● Has Regular Check of buried Water-carrying Services been carried out? (Yes / No) ● Has Regular Monitoring of Special Measures (if required) been satisfactorily carried out? N/A ● Have recommendations from past Engineer Inspections been carried out? (Yes / No) ● Are surface drains adequate in size and proper in layout? (If no, consider recommending Preventive Maintenance Works) (Yes / No) Others	

* delete where appropriate.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE	(SHEET 4 OF 10)
Slope Retaining Wall REFERENCE No.	7SW-B/R 131
RECOMMENDATIONS ON ROUTINE MAINTENANCE WORKS (show Location and nature of proposed works on a plan)	
- Repair crack by non-shrink cement mortar on the retaining wall. (Plates 2.3 and 2.4) - Remove undesigned vegetation on the retaining wall. (Plates 2.5 and 2.6) - Remove undesigned vegetation in the weephole. (Plates 2.5)	
RECOMMENDATIONS ON PREVENTIVE MAINTENANCE WORKS (Show location and nature of proposed works on plan)	
NIL	
OVERALL STATE OF SLOPE MAINTENANCE Class 1 /Class 2	
(Refer to Tables 4.1 & 4.2 of Geoguide 5: if a slope or retaining wall has major defects affection the function of one or more of the following items, its overall state of slope maintenance is Class 2)	
● Any major defects in surface protection?	(Yes / No)
● Any major defects in surface drainage system?	(Yes / No)
● Any major defects in subsurface drainage system?	(Yes / No)
● Any major leakage of water-carrying services?	(Yes / No)
● Any major defects in special measures?	(Yes / No)
Others	

* delete where appropriate.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 5 OF 10)**~~Slope~~ / Retaining Wall REFERENCE No.**7SW-B/R 131****OTHER RECOMMENDATIONS**

(e.g. where there is concern on the health of the trees and presence of decaying or dying tree, advice from specialist such as horticulturist may be recommended.)

NIL

C-T-L Category downgrade in accordance to GEO TGN 15:

~~(Yes)~~ / No

Frequency of Inspections (update Maintenance Manual if necessary)

Frequency of Routine maintenance Inspections:

1 Year

Frequency of Engineer Inspections for Maintenance:

5 Years

Frequency of Regular Checks of Buried Water-carrying Services:

5 Years

Name of Inspecting Engineer: Ir. K.M. Chan

Organisation: Maurice Lee and Associates Ltd.

Qualification: RPE (Geotechnical)

Signature:



Date:

25.7.2025

Received by:

(Name of owner or his authorised representative)

Of

(Organisation)

Signature:

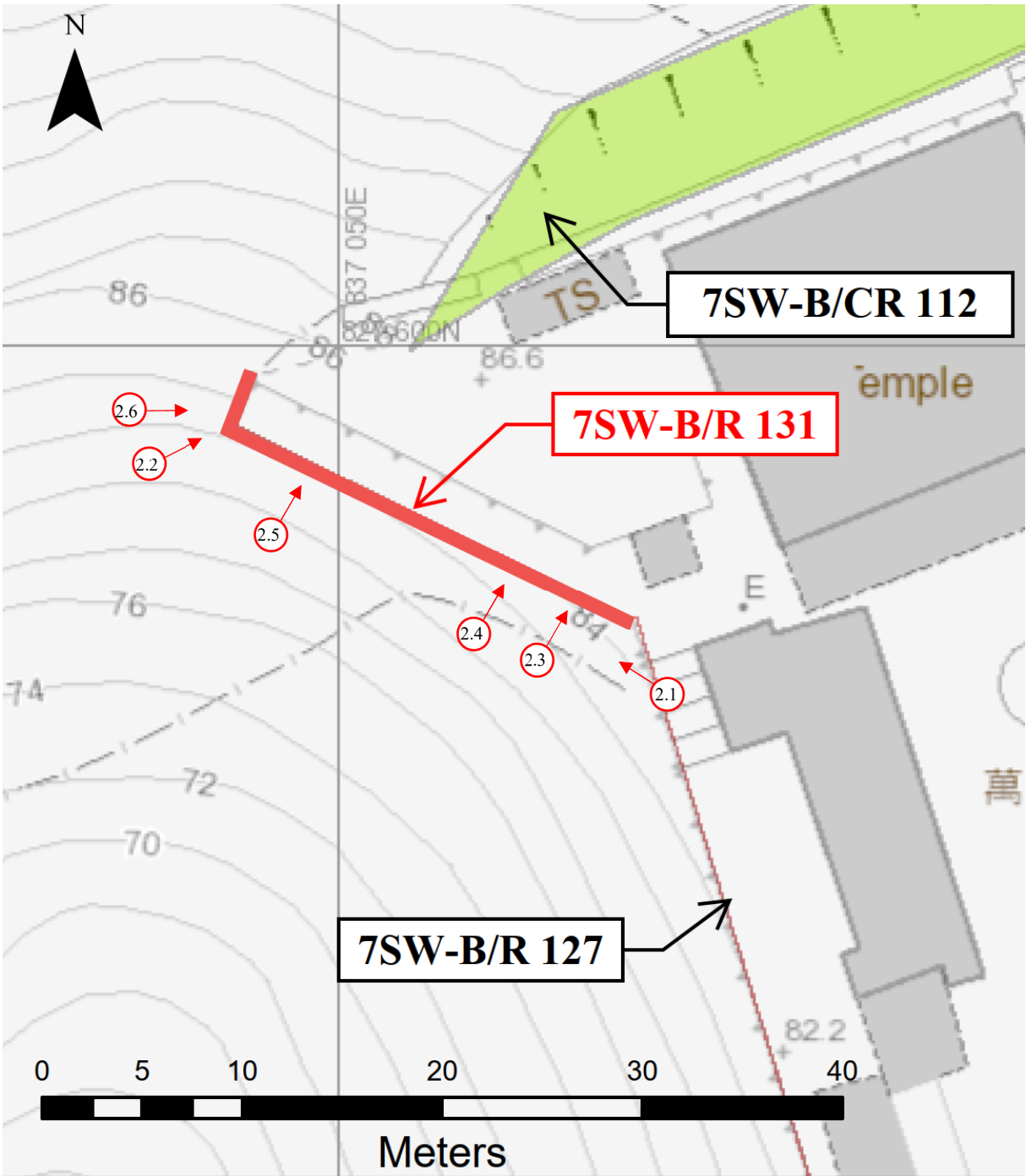
Date:

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE		(SHEET 6 OF 10)
Slope Retaining Wall REFERENCE No.		7SW-B/R 131
Record of information search (A list of the documents identified and reviewed, with comments on the contents, date, and places each is obtained. Some relevant sources of information are given in appendix H Geoguide 5 and Chapter 8.		
General information: NIL Online Information: Slope report (SIMAR report) from Lands Department; Slope data (Slope Information System) from Geotechnical Engineering Office of Civil Engineering Department. Relevant Checking files: NIL Public Utilities Records: NIL		
Notes: (1) Add additional record sheets as necessary.		

~~Slope~~ Retaining Wall REFERENCE No.

7SW-B/R 131

SITE PLAN (Reference numbers should be assigned to locations of man-made items for which maintenance works are required. The corresponding reference numbers should be quoted in the photographic records.



Notes: (1) Add additional record sheets as necessary.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE

(SHEET 8 OF 10)

~~Slope~~ Retaining Wall REFERENCE No.

7SW-B/R 131

Photo records (with descriptions date and reference numbers as given on the site plan)



Plate 2.1 (23/07/2025)
General view of the feature



Plate 2.2 (23/07/2025)
General view of the feature

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 9 OF 10)****~~Slope~~ Retaining Wall REFERENCE No.****7SW-B/R 131**

Photo records (with descriptions date and reference numbers as given on the site plan)

**Plate 2.3** (23/07/2025)

- Crack on the retaining wall.

Recommendation:

- Repair crack by non-shrink cement mortar on the retaining wall.

**Plate 2.4** (23/07/2025)

- Crack on the retaining wall.

Recommendation:

- Repair crack by non-shrink cement mortar on the retaining wall.

RECORD OF ENGINEER INSPECTION FOR MAINTENANCE**(SHEET 10 OF 10)****~~Slope~~ Retaining Wall REFERENCE No.****7SW-B/R 131**

Photo records (with descriptions date and reference numbers as given on the site plan)

**Plate 2.5** (23/07/2025)

- Undesigned vegetation on the retaining wall.
- Undesigned vegetation in the weephole.
-

Recommendation:

- Remove undesigned vegetation on the retaining wall.
- Remove undesigned vegetation in the weephole.

**Plate 2.6** (23/07/2025)

- Undesigned vegetation on the retaining wall.

Recommendation:

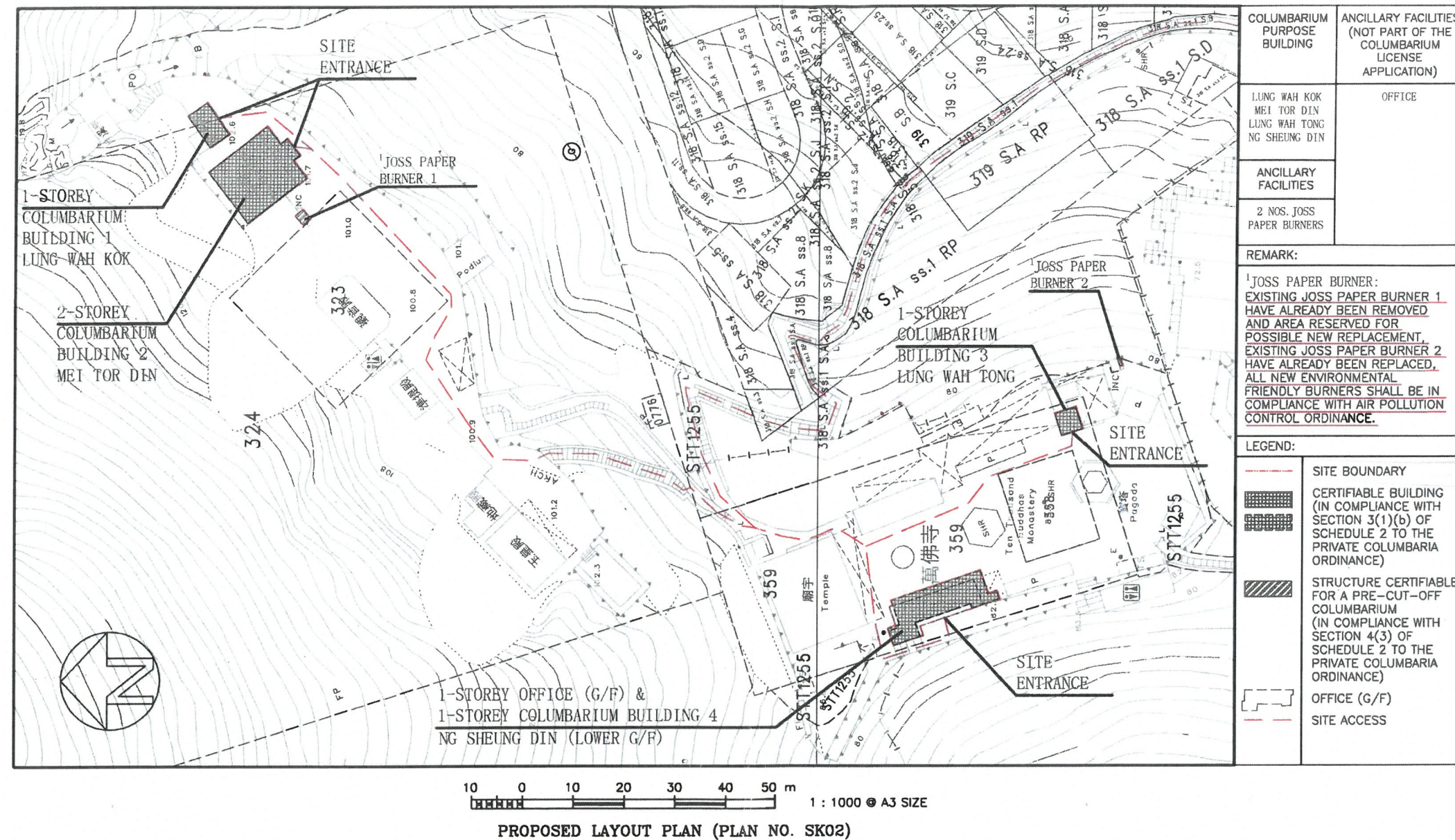
- Remove undesigned vegetation on the retaining wall.

Appendix 4

-

Proposed Layout Plan and CEDD's Comment Regarding License Application

PROPOSED LAYOUT PLAN
APPLICATION FOR LICENCE IN RESPECT OF PRE-CUT-OFF COLUMBARIUM



NAME OF COLUMBARIUM: TEN THOUSAND BUDDHAS MONASTERY

ADDRESS: NO. 221 PAI TAU VILLAGE, SHA TIN, NEW TERRITORIES (LOT NOS. 324(PART), 359(PART) IN DD185 AND ADJOINING GOVERNMENT LAND)

06/10/2022

DATE (DD/MM/YYYY)

NG CHUNG WA

NAME AND SIGNATURE OF APPLICANT
(IF THE APPLICANT IS A NATURAL PERSON)/
AUTHORIZED PERSON/AUTHORIZED PARTNER*

06/10/2022

DATE (DD/MM/YYYY)

SIU KOON HOI CARMINE

SIGNATURE AND NAME OF AUTHORIZED
PERSON/REGISTERED STRUCTURAL ENGINEER*
(AUTHORIZED PERSON/REGISTERED STRUCTURAL
ENGINEER MEANS A PERSON REGISTERED UNDER
SECTION 3 OF THE BUILDINGS ORDINANCE
(CAP.123))



MAURICE LEE & ASSOCIATES LIMITED

李榮護建築工程師事務所有限公司

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HONG KONG IDENTITY CARD NUMBER/TRAVEL DOCUMENT NUMBER*

CHOP OF BODY CORPORATE/PARTNERSHIP* (IF APPLICABLE)

* DELETE IF INAPPLICABLE

REGISTRATION NUMBER#: AP(E) 98/82 RSE 98/82

DATE OF EXPIRY OF REGISTRATION#: 31.12.2025

MUST CONFORM TO THE REGISTER UNDER SECTION 3 OF THE BUILDINGS ORDINANCE (CAP.123)

GEO, CEDD

2. It is noted that the Appendix V of the Planning Statement – Geotechnical Planning Review Report (GPRR) was originally prepared for a previous planning application in 2020 with a site boundary different from the subject pre-submission. Please ask the applicant to update the information in the GPRR accordingly.
3. Furthermore, please find the following geotechnical comments on the GPRR:
 - a. Feature Nos. 7SW-B/R127 and 7SW-B/R131 located near to the western boundary of Site A appear affecting or being affected by the Site A. Please ask the applicant to review and elaborate in the GPRR the stability conditions of these two existing man-made features, and advise in the GPRR whether stability assessments and, if found necessary, the upgrading works of these two man-made features are required to be carried out by the applicant in connection with the planning application.

**Civil Engineering and Development Department's
comment on your submission for the s.12A application
(Ref.: TPB/A/ST/980)**



(i) There are man-made slopes/retaining walls with height greater than 6 m within 6 m of two of the columbarium buildings, namely Mei Tor Din and Lung Wah Kok, as indicated in the Planning Statement submitted by the applicant. The site meets Criteria 1(ii) in the GEO Advice Note for Planning Applications under Town Planning Ordinance (CAP. 131). The applicant is required to submit a Geotechnical Planning Review Report (GPRR) in supporting of the planning application. The essential contents of a GPRR are given in the attached GEO Advice Note.

(ii) According to our records, a Dangerous Hillside (DH) Order No. DH0173/NT/09/C was issued on 13.11.2009 covering some existing slopes within and in the vicinity of Ten Thousand Buddhas Monastery. The DH Order has not been discharged.

**Civil Engineering and Development Department's comment on
your submission for the s.12A application (Con't)
(Ref.: TPB/A/ST/980)**

**GEO ADVICE NOTE FOR PLANNING APPLICATIONS
UNDER TOWN PLANNING ORDINANCE (CAP. 131)**

**Requirements for a Geotechnical Planning Review Report
in support of planning applications**

1. For developments that may affect, or be affected by, natural terrain or man-made slopes or retaining walls, applicants should submit a Geotechnical Planning Review Report with their planning application. In general, a Geotechnical Planning Review Report will be required if any of the following criteria apply :-

- (i) where the maximum gradient across a site from boundary to boundary, or for a large site across any 50m long strip, is greater than 15°,
- (ii) where a slope steeper than 30°, or retaining wall, or combination of the two with a height greater than 6m exists on the site or within 6m of the site, or
- (iii) where there is ground outside the site but in the same catchment that is at an angular elevation of more than 20° from the site and there is ground sloping at more than 15° within 50m upslope of the site.

2. The essential contents of a Geotechnical Planning Review Report are :-

- (i) The appropriate portion of the published 1:5000-scale topographical map or maps marked up to show the site boundary, the location of the features referred to in paragraph 1 above, and details of the proposed development including any site formation and the layout of any structures,
- (ii) a review of how the retaining walls and/or slopes, including natural terrain, shown on the plan may affect, or be affected by, the proposed development and in relation to this, an assessment of the geotechnical feasibility of the proposed development including an outline of any further studies that may be required, and
- (iii) a list of data sources used in compiling the Report. Common data sources normally include the GEO's Slope Information System, the Natural Terrain Landslide Inventory maps, the published 1:20,000-scale geological maps and the relevant Geotechnical Area Studies Programme (GASP) Report, all of which are available in the Civil Engineering Library which is situated within the Civil Engineering and Development Building.

3. Applications will not normally be accepted if there is very steeply sloping ground next to the site. For guidance, this should be taken as ground outside the site which is at an angular elevation of greater than 35° from the site and which is also more than 50m higher than the site. Sites subject to major past instability will also not generally be accepted for development.

4. Further information can be obtained from the Geotechnical Engineering Office, Civil Engineering and Development Building, 101 Princess Margaret Road, Homantin, Kowloon, fax 2714 0247.