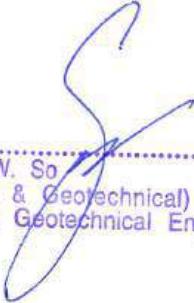


**Geotechnical Planning Review Report
for
The Proposed Development at
Lot 405 in D.D. 399,
No. 313 Castle Peak Road,
Ting Kau, N.T.**



.....
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November 2025

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- Appendix A Proposed Development Plan
- Appendix B Photographs
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- Appendix E Extraction of Previous GI Records
- Appendix F Records Retrieved from Lands Department (LandsD)

1. INTRODUCTION

JMK Consulting Engineers Limited was appointed to carry out a Geotechnical Planning Review for the premises at Lot No. 405 in D.D. 399, No. 313 Castle Peak Road at Ting Kau.

This Geotechnical Planning Review Report (GPPR) is made based on desk study and review of available documentary information and proposed development plan (see Appendix A). The geology and site conditions are described. Potential geotechnical constraints are identified in the assessment.

2. THE SITE AND THE FEATURES

The site is located at No. 313 Castle Peak Road, Ting Kau. Site photos taken in October 2025 are presented in Appendix B (see Photos A to I). The site location plan and the aerial view of the proposed development site are presented in Figures 1 and 2, respectively.

According to the available SIMAR reports retrieved from Lands Department and SIS records obtained from Geotechnical Engineering Office (GEO), there are 7 nos. of registered geotechnical features lies within or in the vicinity of the site (see Figure 3). The features and the responsible lots/parties are tabulated below:

Feature No.	Sub-division No.	Responsible Lots/Parties
6SE-D/FR57	Not Applicable	Lands Department
	Not Applicable	STT1139TW
6SE-D/R158	1	STT 1139TW
	1	Lands Department
	2	DD399 LOT 405
	3	Lands Department
6SE-D/R114	1	STT1139TW
	1	Lands Department
	2	Lands Department
6SE-D/R113	1	DD399 Lot404
6SE-D/R115	1	DD399 LOT447
	2	DD399 LOT401
6SE-D/R215	1	STT1206TW
6SE-D/FR203	1	Highways Department

A copy of the SIMAR reports and slope records are enclosed in Appendix C and D, respectively. The location of the said features is also presented in Figure 3.

3. DESK STUDY

Desk study has been carried out to search and review the existing building records, previous ground investigation data and geotechnical study reports kept by the Geotechnical Information Unit (GIU) of Geotechnical Engineering Office (GEO). All the information in the desk study were obtained from the available data retrieved from the Civil Engineering and Development Department (CEDD) Geotechnical Information Infrastructure System (Ginfo) website [and Access to Information from Lands Department \(LandsD\)](#).

3.1 Geological Maps

The geology of the Site is shown on the Hong Kong Geological Survey (HKGS) Map Sheet 6 (Yuen Long), 1:20,000-scale, Edition II, HGM20 series. The local geology of the Site is presented in Figure 4 and described below.

3.1.1 Solid Geology

The 1:20,000 scale geological maps indicated that regional area around the Site is underlain by lapilli lithic-bearing coarse ash crystal Tuff (Jty_cat) of the Yim Tin Tsai Formation.

3.1.2 Superficial Geology

Pleistocene to Holocene colluvium (Qd), Holocene beach deposits (Qhb) and marine sand (Qhs) of the Hang Hau Formation are recorded at about 30m to the southwest of the Site.

3.1.3 Structural Geology

No fault or photolineament has been recorded within or in the vicinity of the Site.

3.2 Enhanced Natural Terrain Landslide Inventory

In 1995, the GEO compiled the Natural Terrain Landslide Inventory (NTLI) from an interpretation of high-altitude (8,000ft and above) aerial photographs dated from 1945 to 1994 (King, 1999). In 2007, the GEO produced an Enhanced Natural Terrain Landslide Inventory (ENTLI) using low-altitude (8,000ft and below) aerial photographs to update the NTLI.

In accordance with GEO Report No. 138 (GEO, 2016), landslides are classed as either "Relict" or "Recent", depending on their appearance in aerial photographs. "Relict" landslides are defined as those where the main scarp is well-defined but vegetation has re-established on the scar on the earliest set of available aerial photographs. "Recent" landslides are defined as having occurred within the timespan of the aerial photograph coverage. These are typically identified as having a light tone on the aerial photographs and are bare of vegetation.

No ENTLI has been recorded within and in the vicinity of the Site.

3.3 Historical Landslide Catchment (HLC) Inventory

Historical Landslide Catchments (HLCs) have been defined by GEO based on the results of the ENTLI. Thus, no HLC has been recorded within and in the vicinity of the Site.

3.4 Reported Landslide Incidents

According to the GEO landslide incident records database, no landslide incident has been recorded within and in the vicinity of the Site.

3.5 Relevant Previous Ground Investigation Works

No previous ground investigation has been taken place within the Site. The previous ground investigation report adjacent to the Site has been retrieved and summarized below:

GIU Report No.	GI Station Nos:	Report Title	GI Stations related to Feature No.	Remarks
37207	DH3	Ting Kau and Sham Tseng Village Sewerage Schemes Ground Investigation	-	-
412272	BH1, TP1, TP2, TP3, TP4, IC1, IC2, HC1, HC2	Feature No. 6SE-D/FR203, Rose Villa, 309 Castle Peak Road, Ting Kau, N.T.	6SE-D/FR203	-
R56707	-	Agreement No. CE 31/2006 (GE) Feature Nos. 6SE-D/FR57 & 6SE-D/R158 No. 311-313, Castle Peak Road, Ting Kau Upgrading Works (Conventional Design Approach) Design Report (Final)	6SE-D/FR57 & 6SE-D/R158	GI logs or GI locations are not available on Ginfo

The details of previous ground investigation logs are presented in Appendix E and the locations of the previous GI is shown in Figure 5.

3.6 DH Orders

According to Ginfo, no DH Orders have been issued to the features within and in the vicinity of the Site.

3.7 Stage 2 Studies

The Stage 2 Studies carried out for the features within and in the vicinity of the Site are summarized below:

Stage 2 Report No.	Feature No.	Completed in	Report Recommendation
S2R18/2008	6SE-D/FR57	Sep 2008	No action required
S2R18/2008	6SE-D/R158	September 2008	No action required
S2R261/2000	6SE-D/R113	November 2000	Advisory Letter
S2R209/2005	6SE-D/R115	March 2006	No action required for Sub-division No. 1; DH order for Sub-division No. 2;
S2R024/2022	6SE-D/R215	February 2022	Advisory Letter

3.8 Stage 3 Studies

The Stage 3 Studies carried out for the features in the vicinity of the Site are summarized below:

Stage 3 Report No.	Feature No.	Completed in	Report Recommendation
S3R103/2014	6SE-D/R215	November 2014	Construction of mass concrete wall, installation of soil nails and construction of pile wall (Works suspended)

4. IMPACTS OF PROPOSED WORKS ON EXISTING SLOPES/RETAINING WALLS

4.1 Feature No. 6SE-D/FR57

Feature no. 6SE-D/FR57 is located at northern end of the Site adjoining to the Site boundary at house no. 313 Castle Peak Road. According to the SIS record, the feature is about 13m long and 3.3m high with slope gradient of 45° to the horizontal, the wall portion is about 13m long and 4.3m high with slope gradient of 75° to the horizontal. Local stability check of the feature was carried out in Stage 2 Study Report (S2R18/2008) prepared by Maunsell Geotechnical Services Limited in September 2008. The study concluded that no action is required for this feature.

The feature was modified/upgraded to current standard. The upgrading works completed on 2010 and subsequently checked by GEO (Checking Certificate No.GEO/MW 007/2013, Appendix F refers). The as-built drawings are attached in Appendix F. The proposed new works will not modify the existing feature.

4.2 Feature No. 6SE-D/R158

Feature no. 6SE-D/R158 is located at northern end of the Site adjoining to the Site boundary at house no. 313 Castle Peak Road. According to the SIS record, the wall is about 18.7m long and 7m high with slope gradient about 90° to the horizontal. Local stability check of the feature was carried out in Stage 2 Study Report (S2R18/2008) prepared by Maunsell Geotechnical Services Limited in May 2008. The study concluded that no action is required for this feature.

The feature was modified/upgraded to current standard. The upgrading works completed on 2010 and subsequently checked by GEO (Checking Certificate No.GEO/MW 008/2013, Appendix F refers). The as-built drawings are attached in Appendix F. The proposed new works will not modify the existing feature.

4.3 Feature No. 6SE-D/R114

Feature no. 6SE-D/R114 is located at about 2m to the southern end of the Site at house no. 313 Castle Peak Road. According to the SIS record, the wall is about 43m long and 4m high with slope gradient about 87° to the horizontal. The modified/upgrade works of the feature are in progress and will be completed up to current standard. The proposed new works will not modify the existing feature.

4.4 Feature No. 6SE-D/R113

Feature no. 6SE-D/R113 is located at about 2m to the west of the Site at house no. 315 Castle Peak Road. According to the SIS record, the wall is about 42m long and 4m high with slope gradient about 80° to the horizontal.

Local stability check of the feature was carried out in Stage 2 Study Report (S2R261/2000) prepared by C M Wong & Associates Limited in November 2000. The study recommended issue of type 3 advisory letter to the owners of Lot DD399 Lot 404. The proposed new works will not modify the existing feature.

4.5 Feature No. 6SE-D/R115

Feature no. 6SE-D/R115 is located at about 2m to the southeast of the Site at house no. 311 Castle Peak Road. According to the SIS record, the wall is about 19m long and 4.1m high with slope gradient about 90° to the horizontal.

Local stability check of the feature was carried out in Stage 2 Study Report (S2R209/2005) prepared by Scott Wilson Limited in March 2006. The study concluded that no action is required for sub-division no. 1, while a DH order is recommended for the sub-division no. 2 of this feature. Slope remedial works for sub-division no. 2 were completed and up to current standard in January 2012. The proposed new works will not modify the existing feature.

4.6 Feature No. 6SE-D/R215

Feature no. 6SE-D/R215 is located at about 3m to the northwest of the Site at house no. 315 Castle Peak Road. According to the SIS record, the wall is about 30m long and 8.2m high with slope gradient about 90° to the horizontal.

Local stability check of the feature was carried out in Stage 3 Study Report (S3R103/2014) prepared by Fugro (Hong Kong) Limited in November 2014. It was recommended that construction of mass concrete wall, installation of soil nails and construction of pile wall for the upgrading works, however, the works were suspended as the MR was changed from HyD to private. Local stability check of the feature was then carried out in Stage 2 Study Report (S2R024/2022) prepared by C M Wong & Associates Limited in February 2022. The study recommended issue of an advisory letter to the tenant. The proposed new works will not modify the existing feature.

4.7 Feature No. 6SE-D/FR203

Feature no. 6SE-D/FR 203 is located at about 2m to the east of the Site at house no. 309 Castle Peak Road. According to the SIS record, the feature is about 23m long and 1.8m high with slope gradient of 35° to the horizontal, the wall portion is about 23m long and 4m high with slope gradient of 78° to the horizontal. Feature was modified/upgraded to current standard with Checking Certificate No.GEO/MW 008/2007. The proposed new works will not modify the existing feature.

4.8 Impacts from the Proposed Works to the Registered Slope Features

As the aforementioned features have stood from some time without evidence of major distress or instability, it is expected that these features will continue under the present condition. Moreover, there is no intention to modify or reconstruct the registered slope features during the proposed foundation (raft footing) or construction works. However, in view of these features are close (within 10m) to the Site boundary, the stabilities of these features have to be checked with respect to the proposed development and based on the subsurface conditions, ground water conditions and shear strength parameters of soil/rock obtained from a site specific ground investigation. **The design and construction of the proposed development shall be comprehensively planned and designed to ensure no adverse effects on all adjacent features.** If found necessary, appropriate improvement/upgrading works, including slope re-profiling, installation of soil nails, and provision of raking drains will be carried out to bring up the sub-standard portion of the feature to meet the current geotechnical standard.

5. CONCLUSION

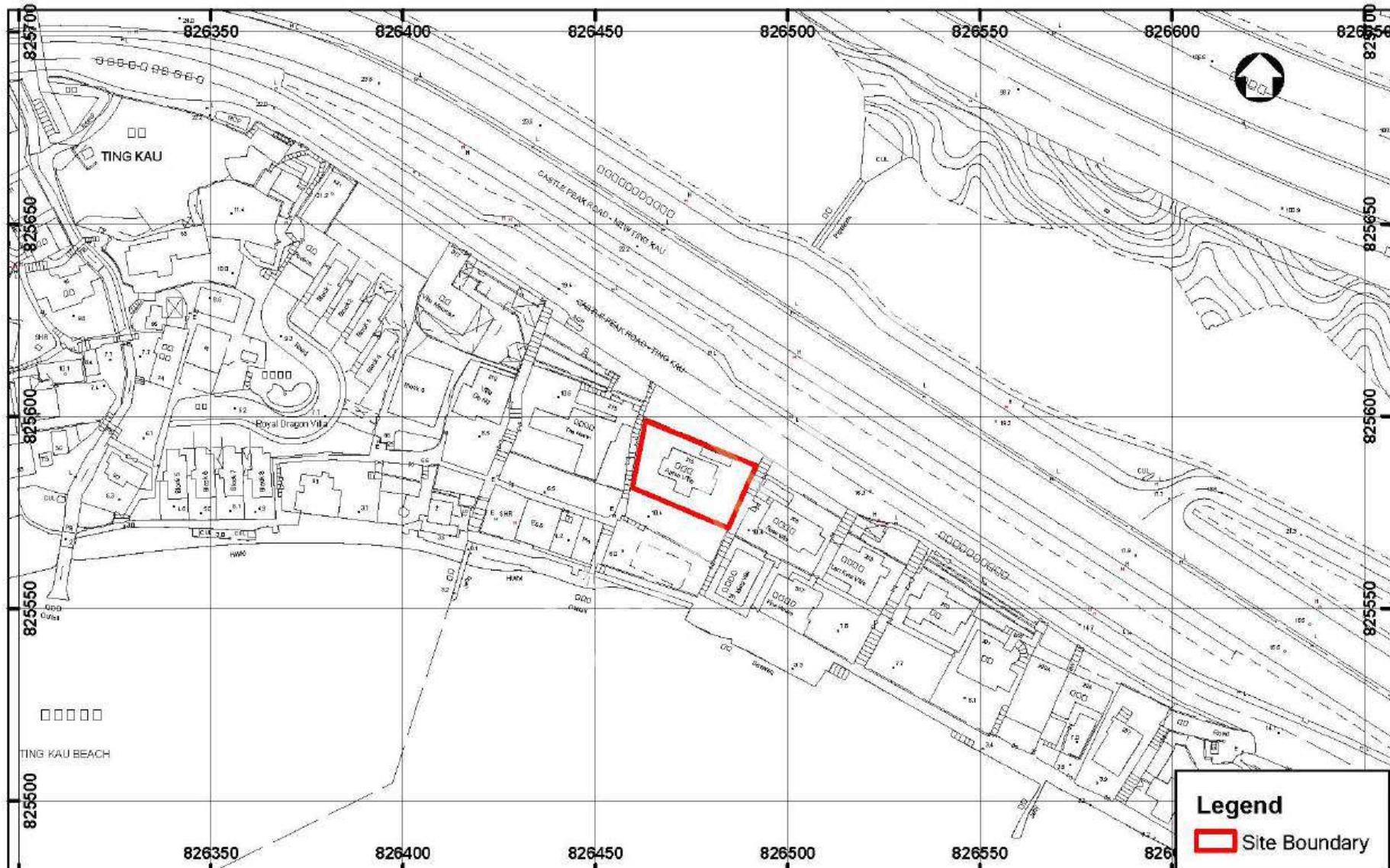
Based on the above discussion, it can be concluded that the proposed development is considered to be feasible from geotechnical point of view. The construction would be straight forward unlikely posting particular problems to the surrounding area under careful planning, proper execution and vigilant supervision.

It is essential to search and review the background information of existing building, geotechnical features and underground services within and in the vicinity of the site. Site investigation is proposed to reveal/confirm the subsoils and the ground regime within and in the vicinity of the site as well as to determine the engineering properties of subsoils and rock. The ground investigation field works should be preceded under supervision of suitably qualified engineers and technically competent persons conforming the requirements specified in the "Code of Practice for Site Supervision 2009" published by the BD.

For safety and cost effective, the foundation design and retaining wall stability assessment and excavation planning should be based on geological horizons inferred from the ground investigation results, groundwater table interpreted from the piezometer/standpipe monitoring records and geotechnical parameters determined and adopted by field and laboratory testing.

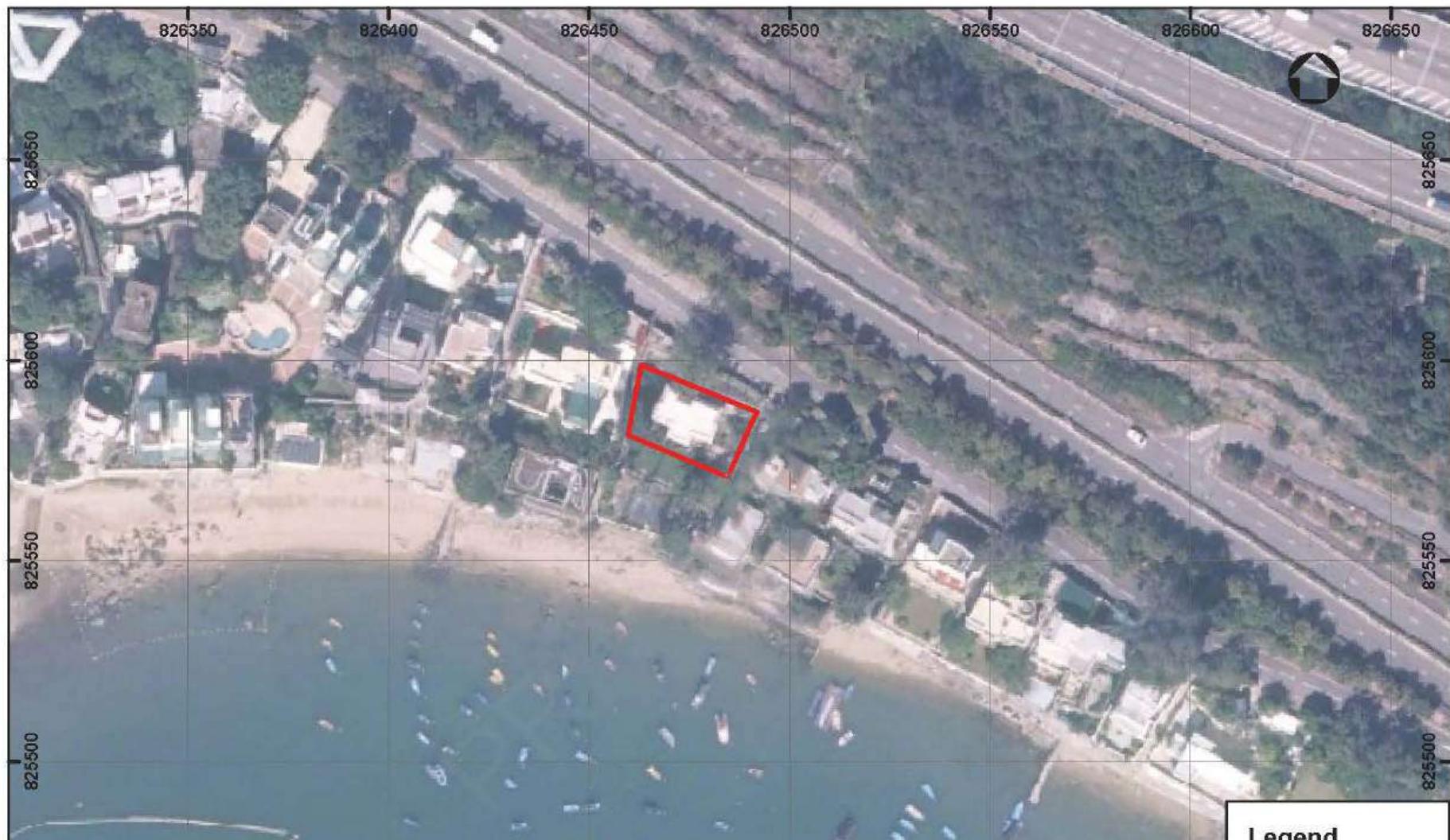
A comprehensive precautionary monitoring program including settlement markers, tiling, vibration check points as well as groundwater observation wells shall be implemented to ensure demolition of foundation of existing buildings and substructure construction being carried out safety and soundly.

FIGURES



PROJECT: Proposed Development at Lot 405 in D.D. 399, No. 313 Castle Peak Road, Ting Kau, N.T.

TITLE: Location Plan of the Proposed Site	SCALE: 1 : 1500	JMK Consulting Engineers Ltd.	FIGURE NO : FIGURE 1
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PROJECT: Proposed Development at Lot 405 in D.D. 399, No. 313 Castle Peak Road, Ting Kau, N. T.

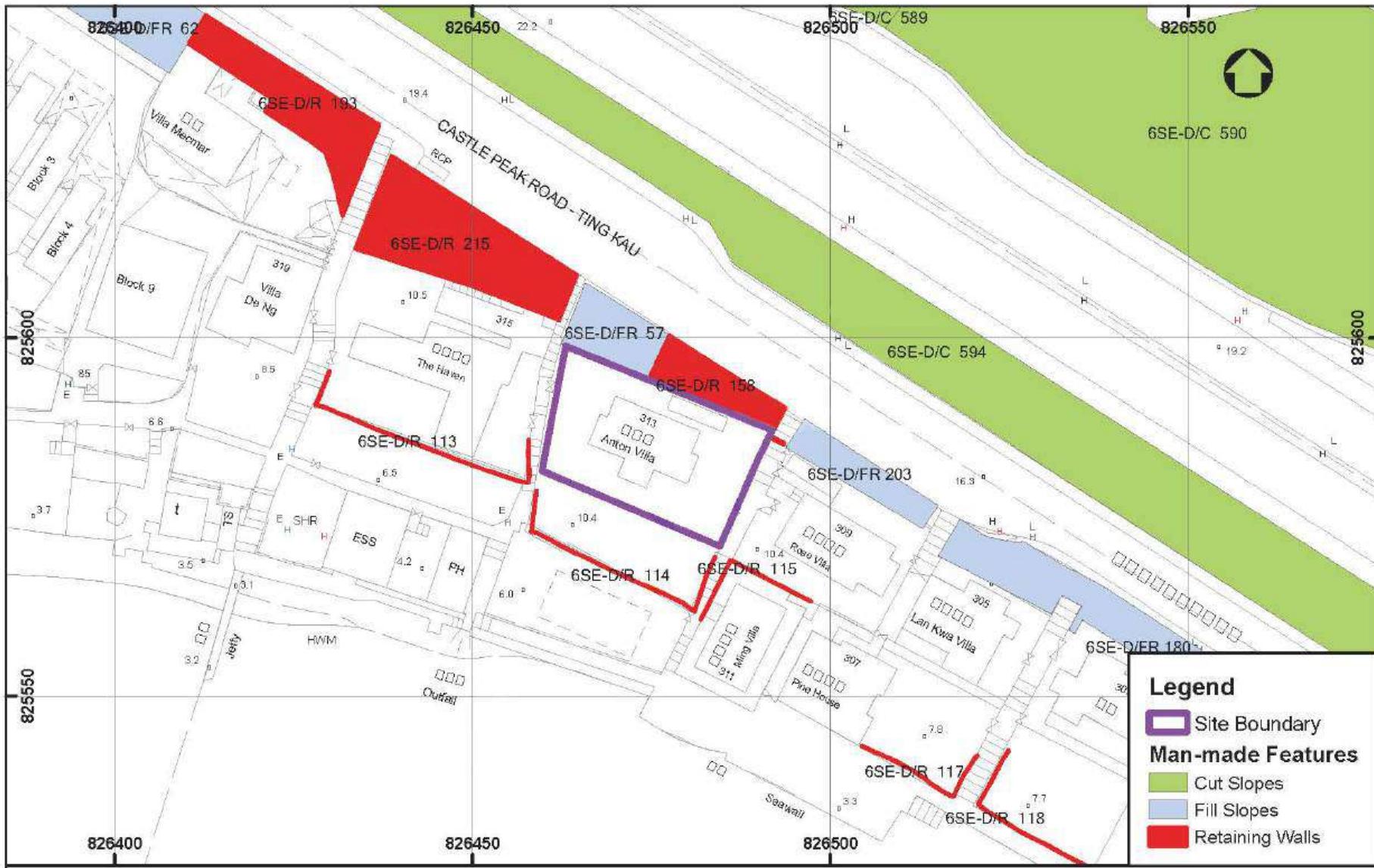
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SCALE:

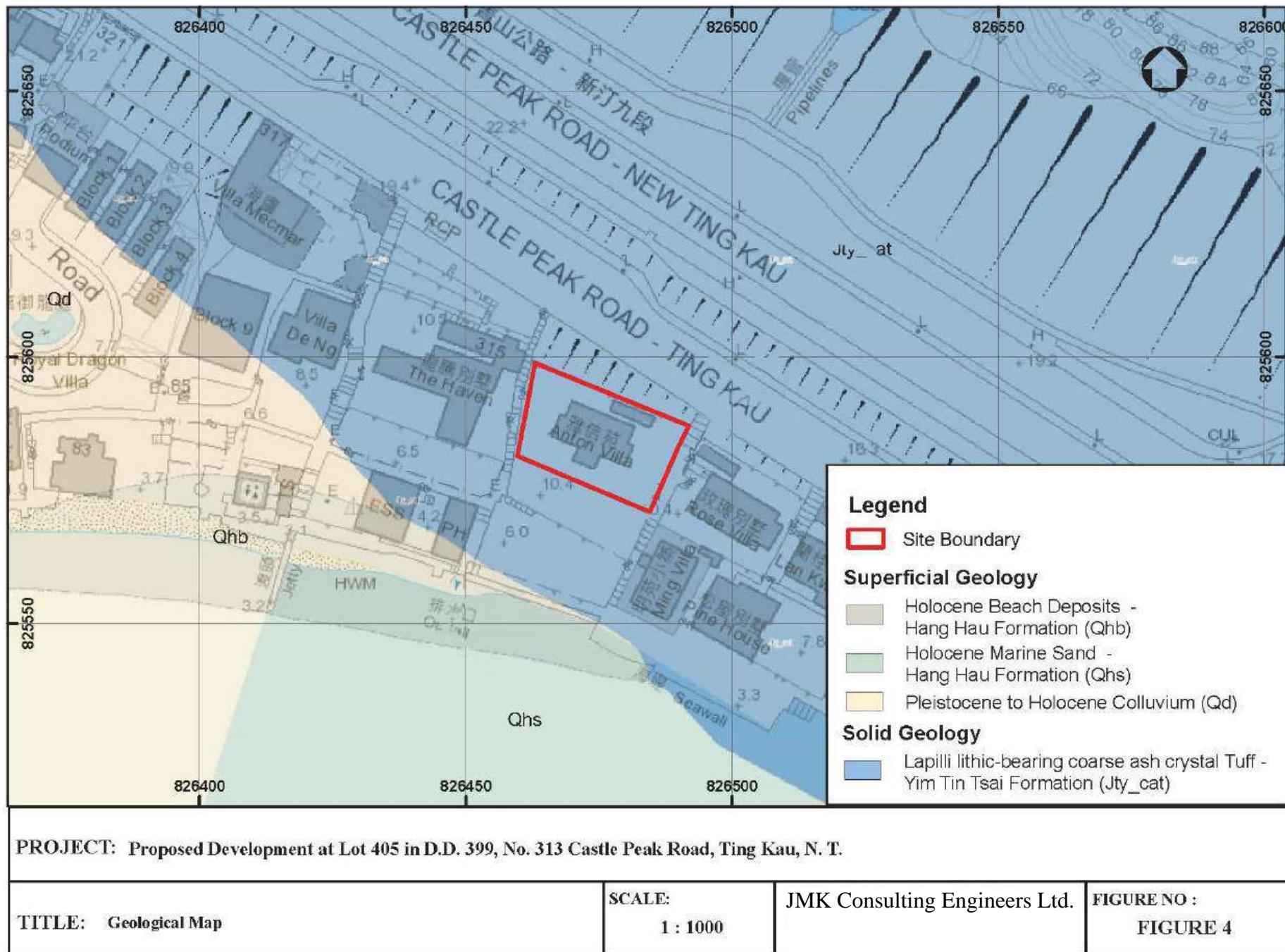
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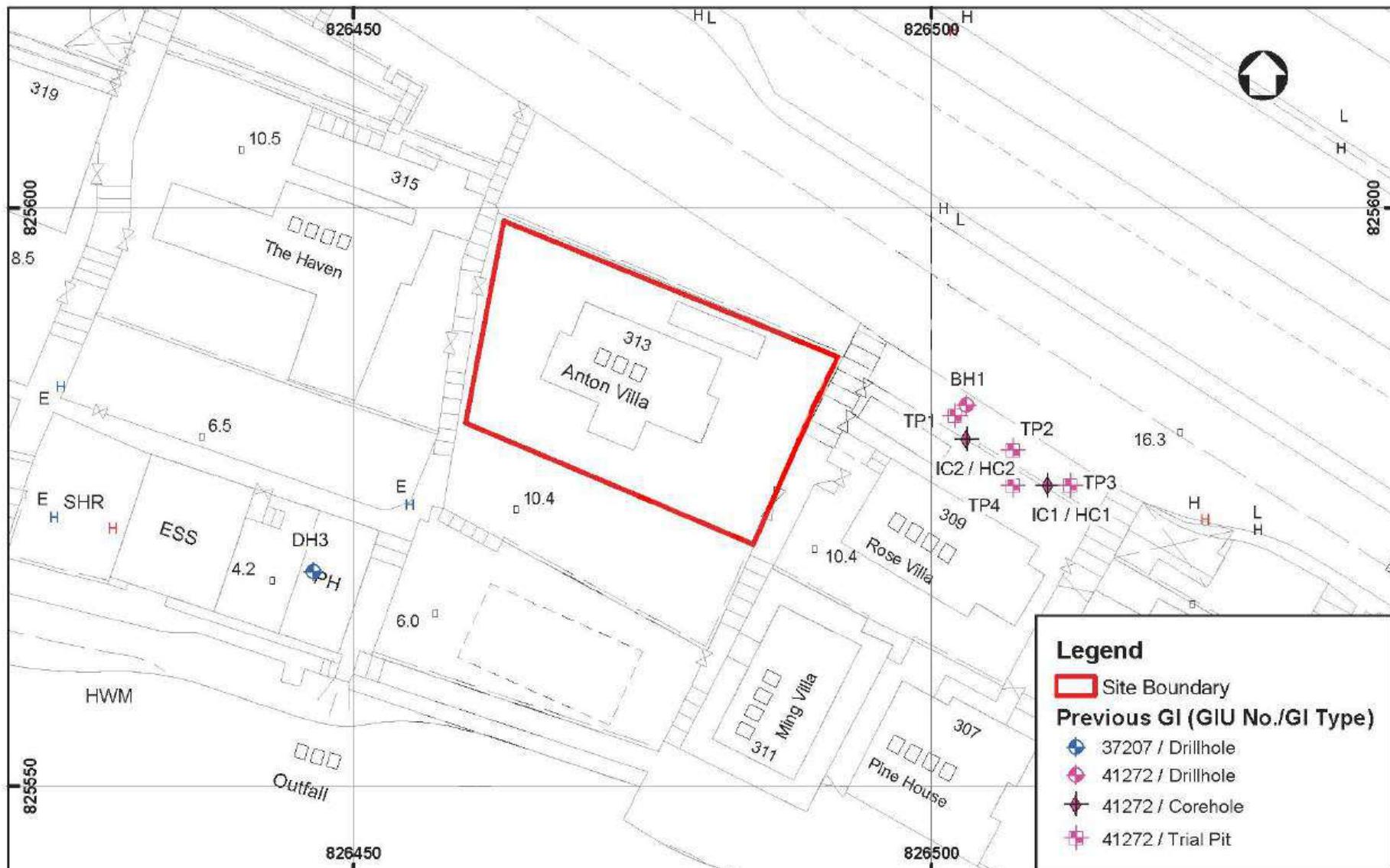
JMK Consulting Engineers Ltd.

FIGURE NO :
FIGURE 2



TITLE: Registered Man-made Features	SCALE: 1 : 800	JMK Consulting Engineers Ltd.	FIGURE NO : FIGURE 3
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PROJECT: Proposed Development at Lot 405 in D.D. 399, No. 313 Castle Peak Road, Ting Kau, N.T.

TITLE: Location Plan of the Previous GI

SCALE:

1 : 500

JMK Consulting Engineers Ltd.

FIGURE NO :
FIGURE 5

APPENDIX

Appendix A

Proposed Development Plan

A road map showing Castle Peak Road from Ting Kau to New Ting Kau. The map features a grey shaded area representing the road and surrounding terrain. Two white lines with black outlines represent the road's edge. The text 'CASTLE PEAK ROAD - TING KAU' is written in black, slanted capital letters along the bottom road line. The text 'CASTLE PEAK ROAD - NEW TING KAU' is written in black, slanted capital letters along the top road line. A small rectangular inset map is located in the top left corner, showing a detailed view of a specific area with a grid and a scale bar.

SITE BOUNDARY

BRIDGE
ACCESS

TOP ROOF

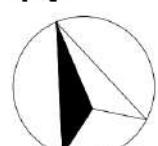
148/271

FLAT

LAW

PLAYGROUND

N

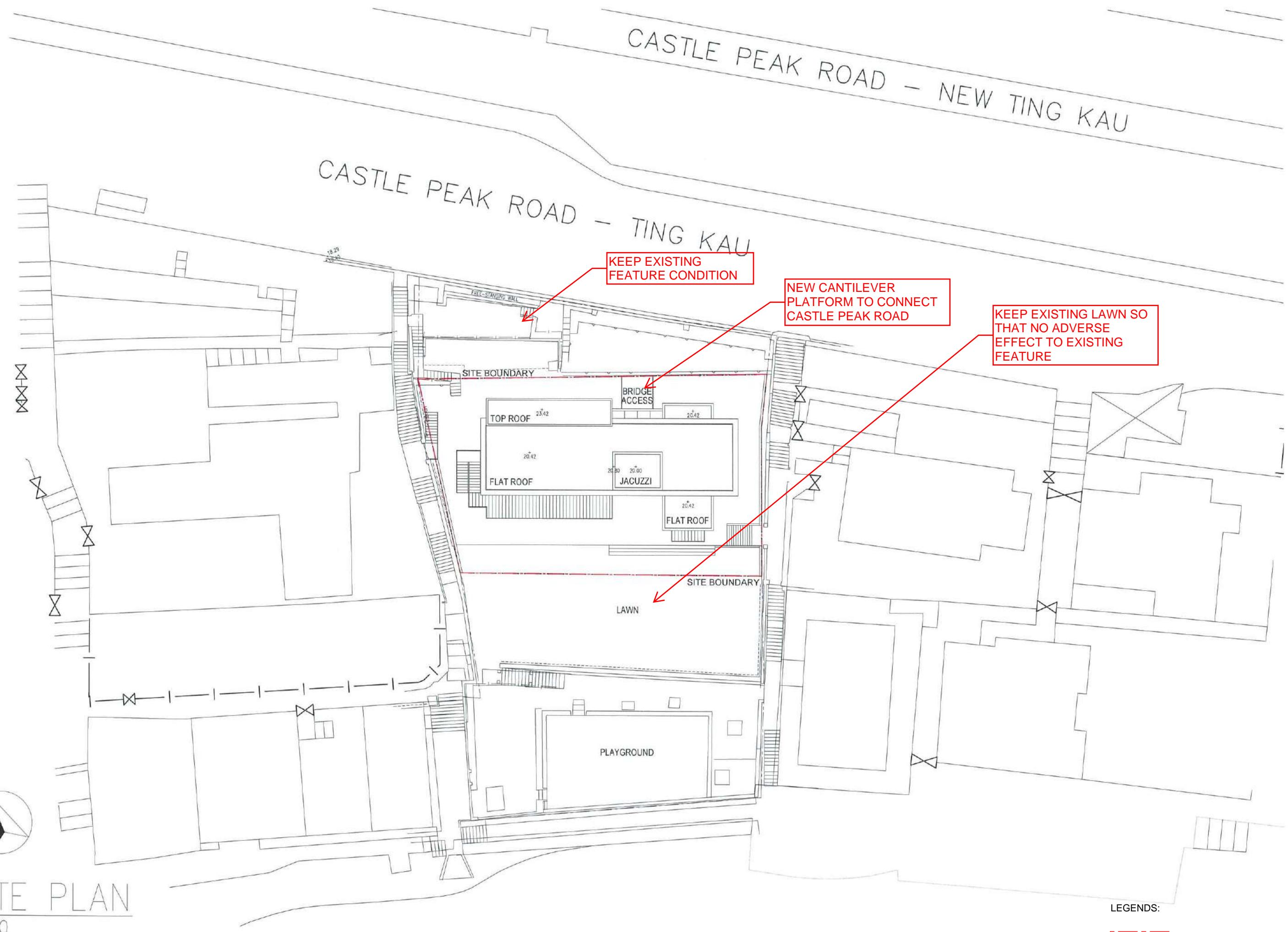


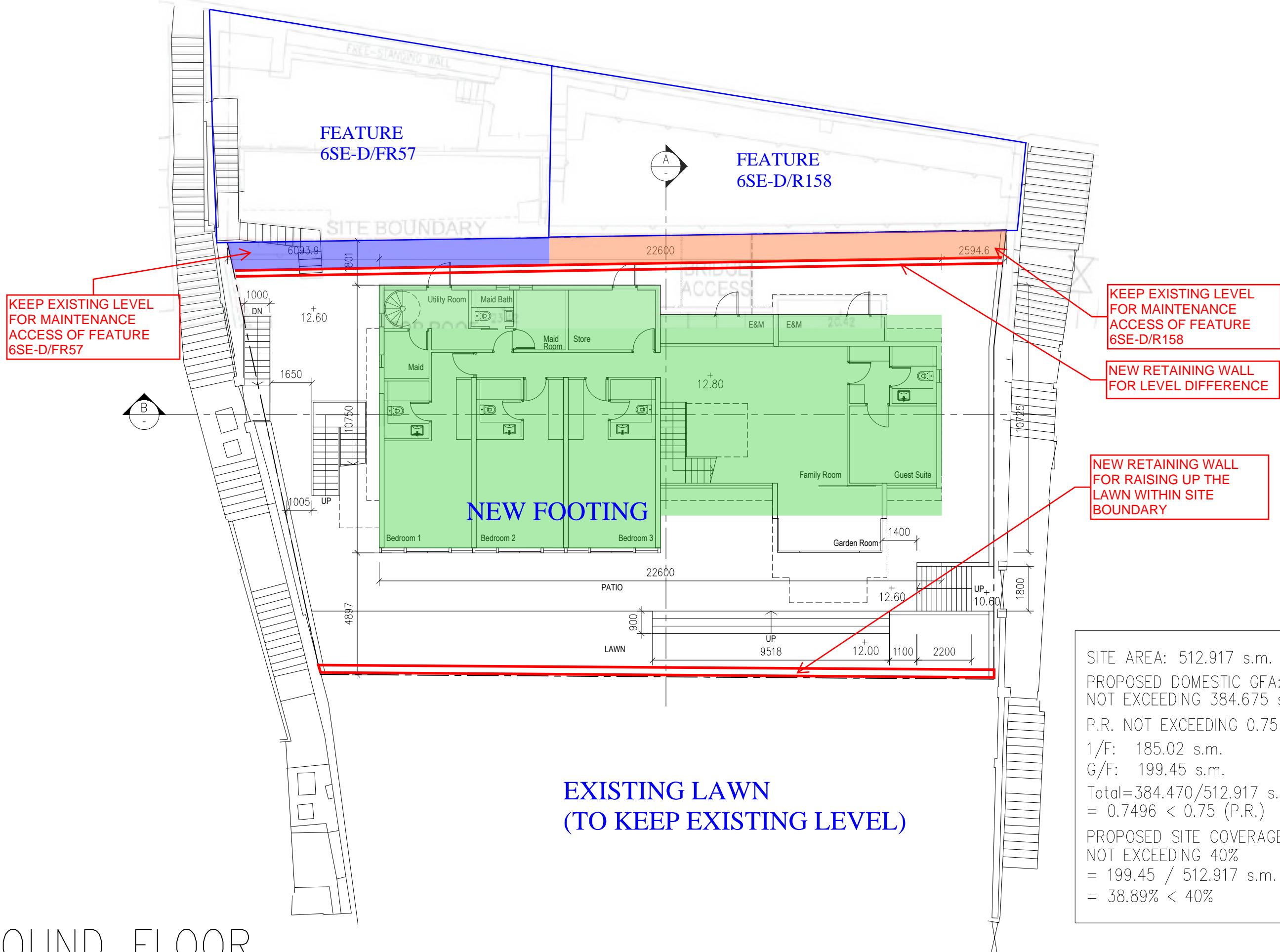
SITE PLAN

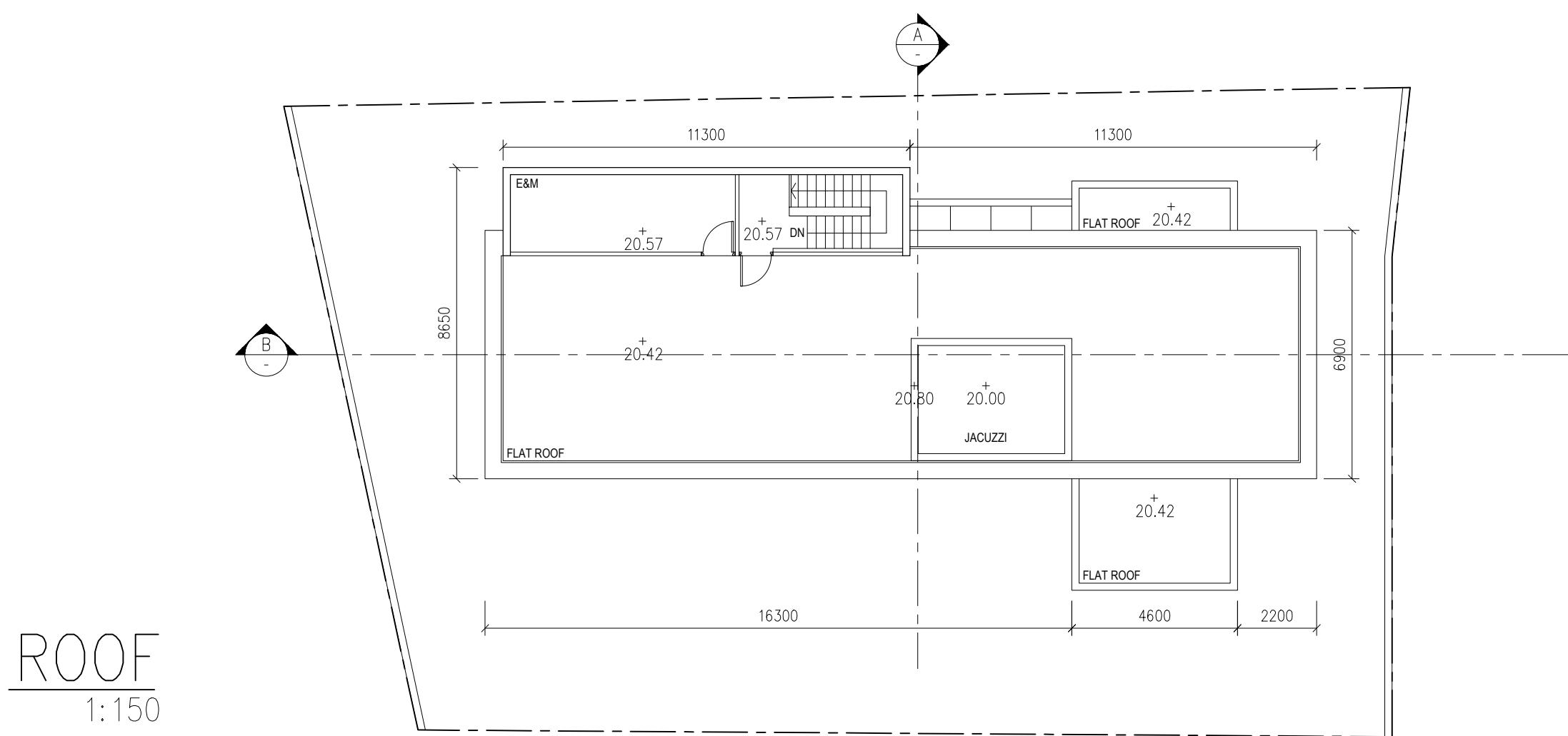
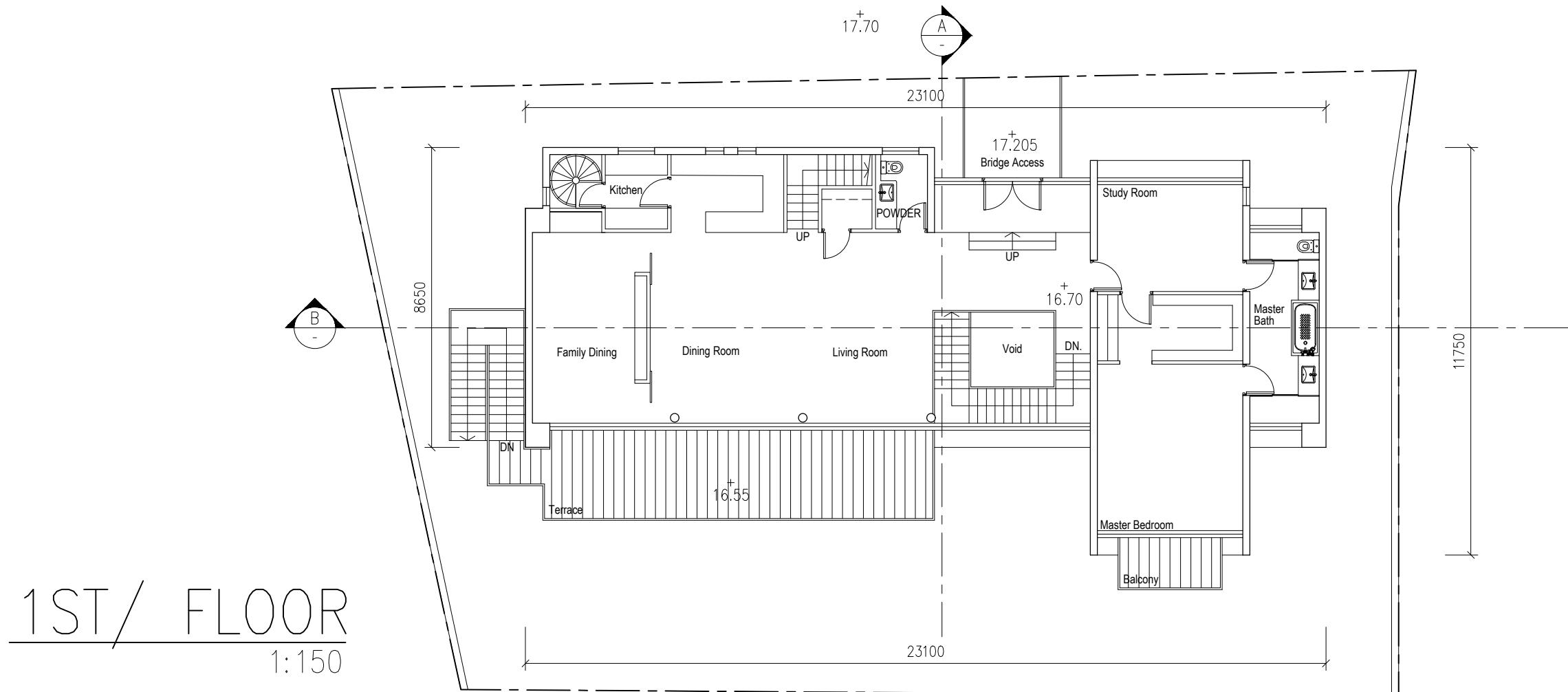
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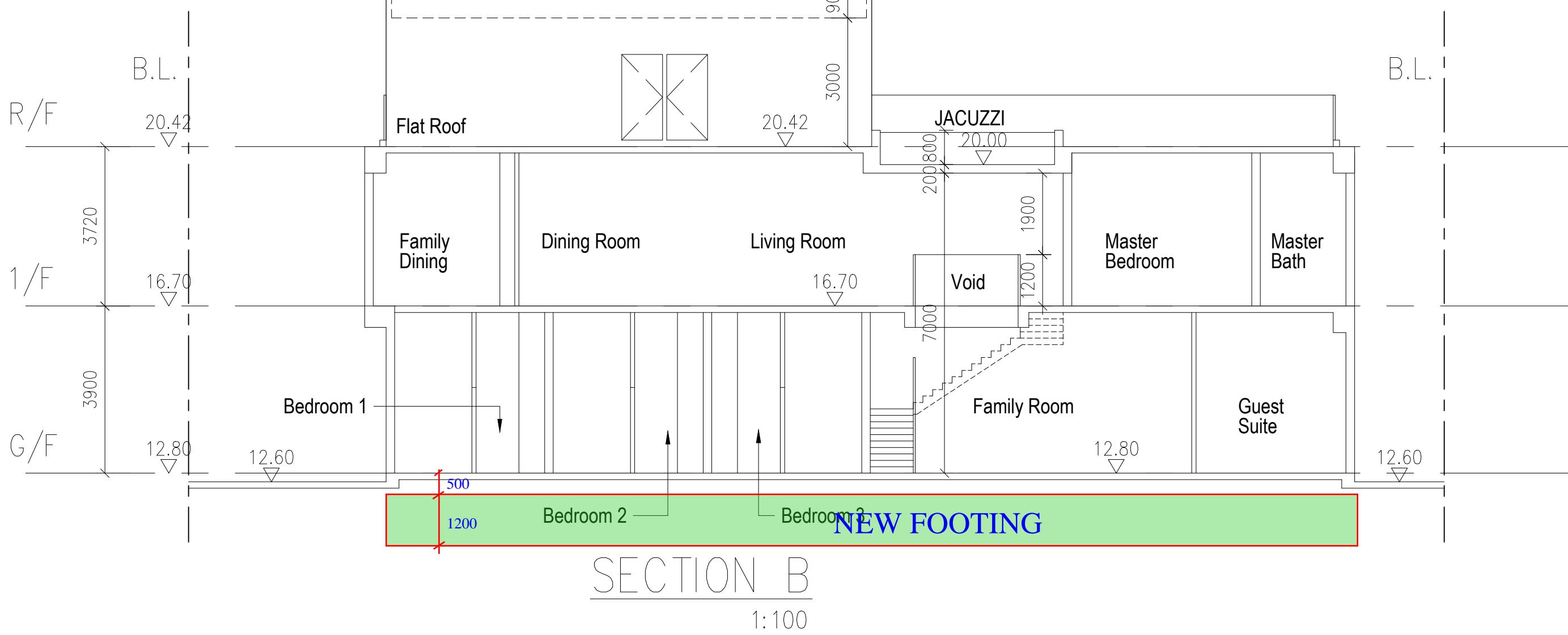
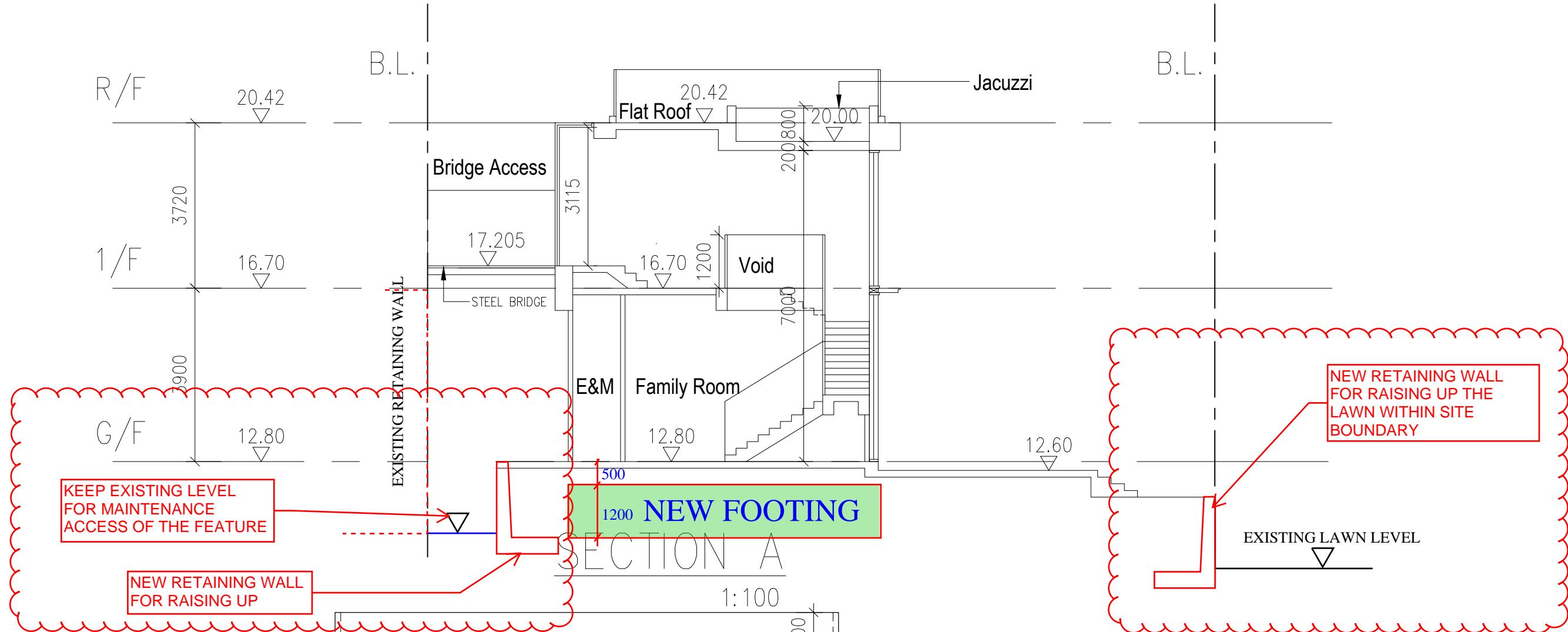
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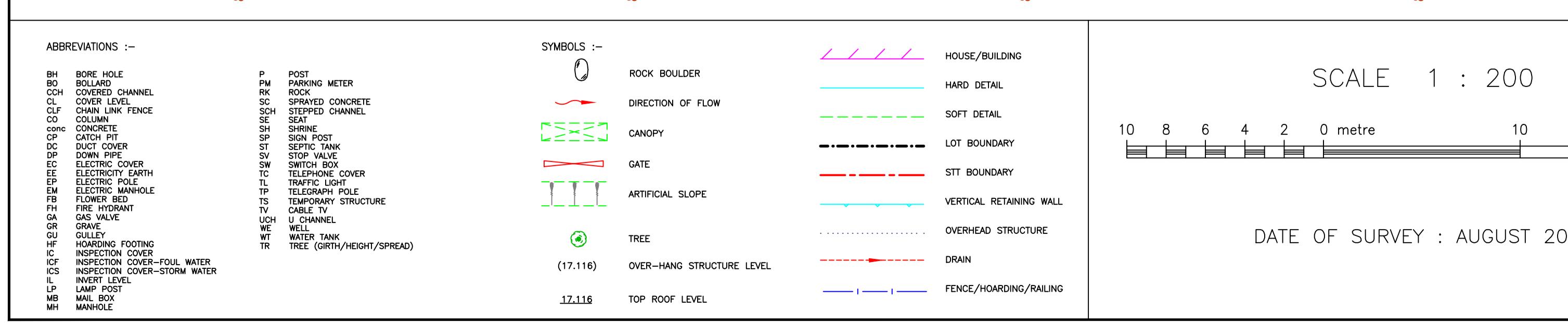
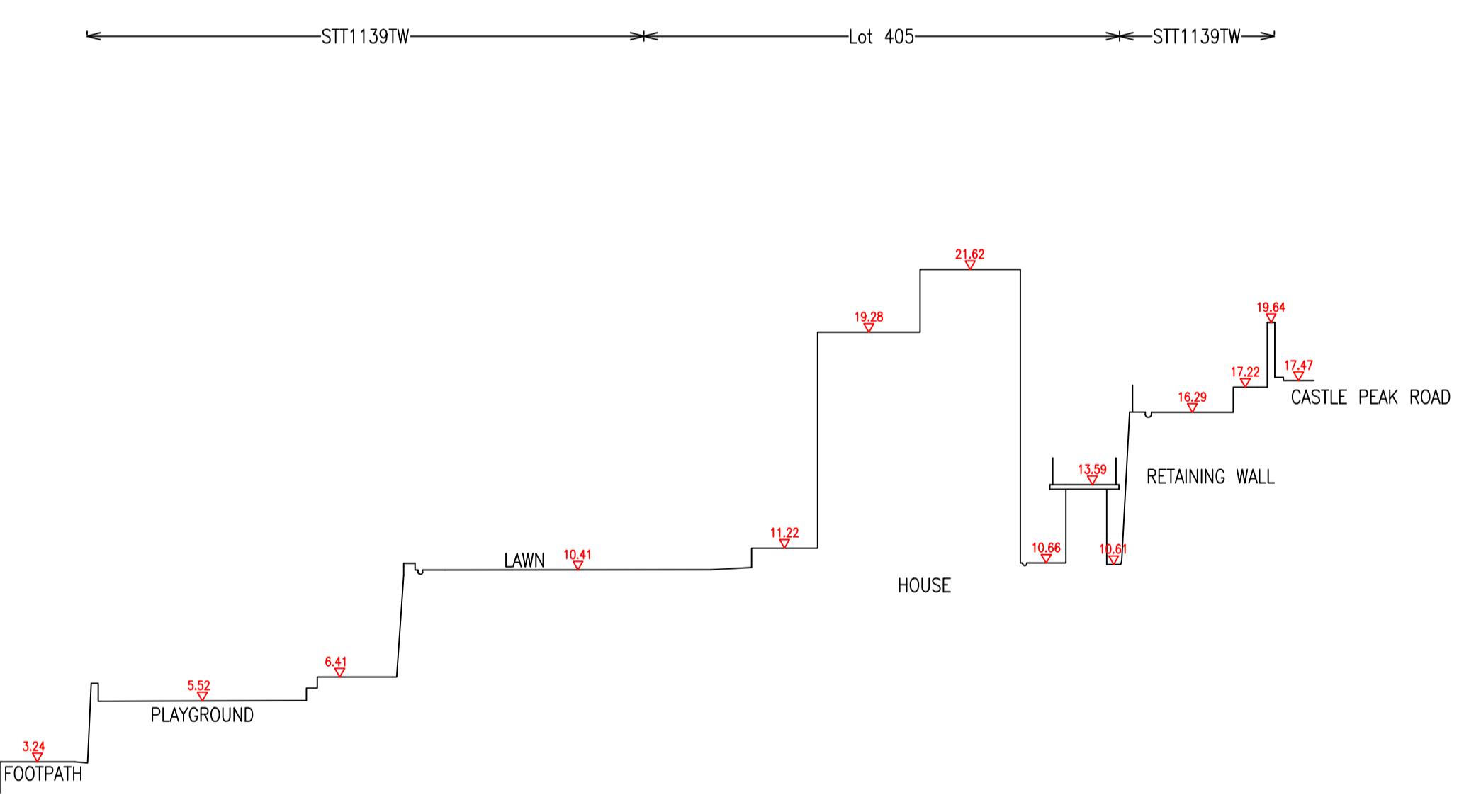
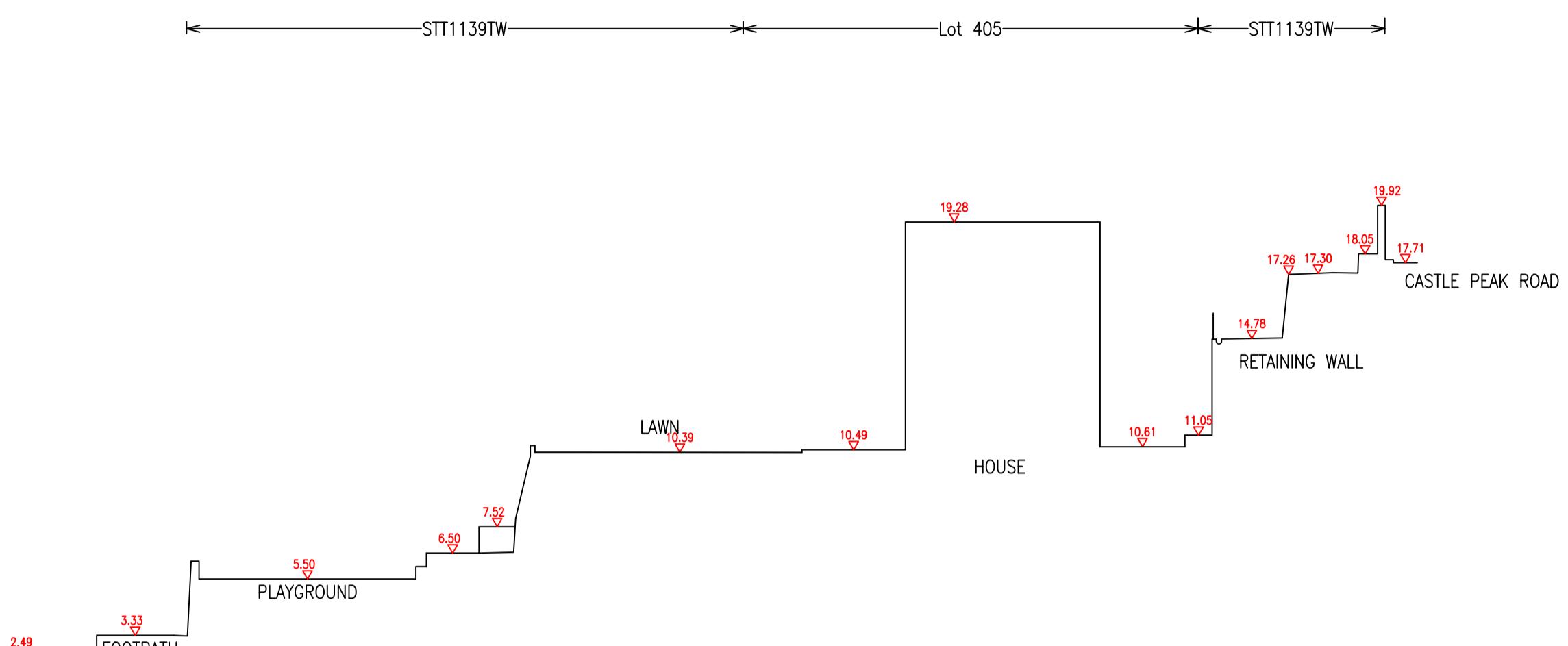
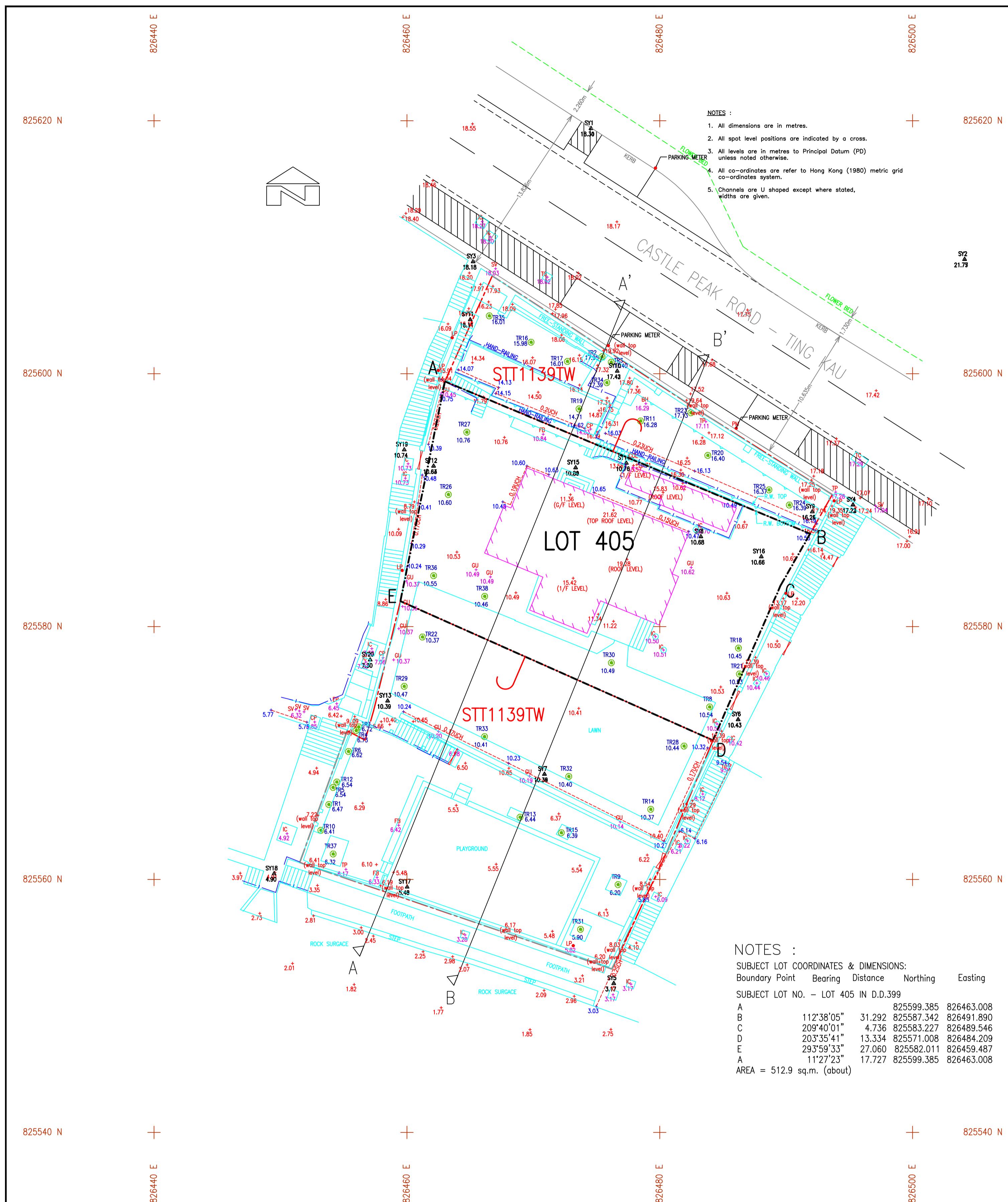
	SITE BOUNDARY
	JACUZZI
	GLASS CEILING
	CONCRETE ROOF
	LANDSCAPE
	TIMBER DECK
	GARDEN
	SURROUNDING PAVEMENTS
	SURROUNDING BUILDINGS
	SURROUNDING LANDS
	MAIN ROAD











SUBSTANCE LAB LIMITED

LOT 405 IN D.D. 399
NO.313, CASTLE PEAK ROAD
TING KAU, N.T.

LAND MARKER (1980) H.K. CO., LTD.
 SUITE 1501, ONE MONGKOK ROAD COMMERCIAL CENTRE, KOWLOON
 TEL: 2663 9138 FAX: 2666 9921
 E-MAIL ADDRESS: general@landmarker.com

PLAN NO. 3404/01

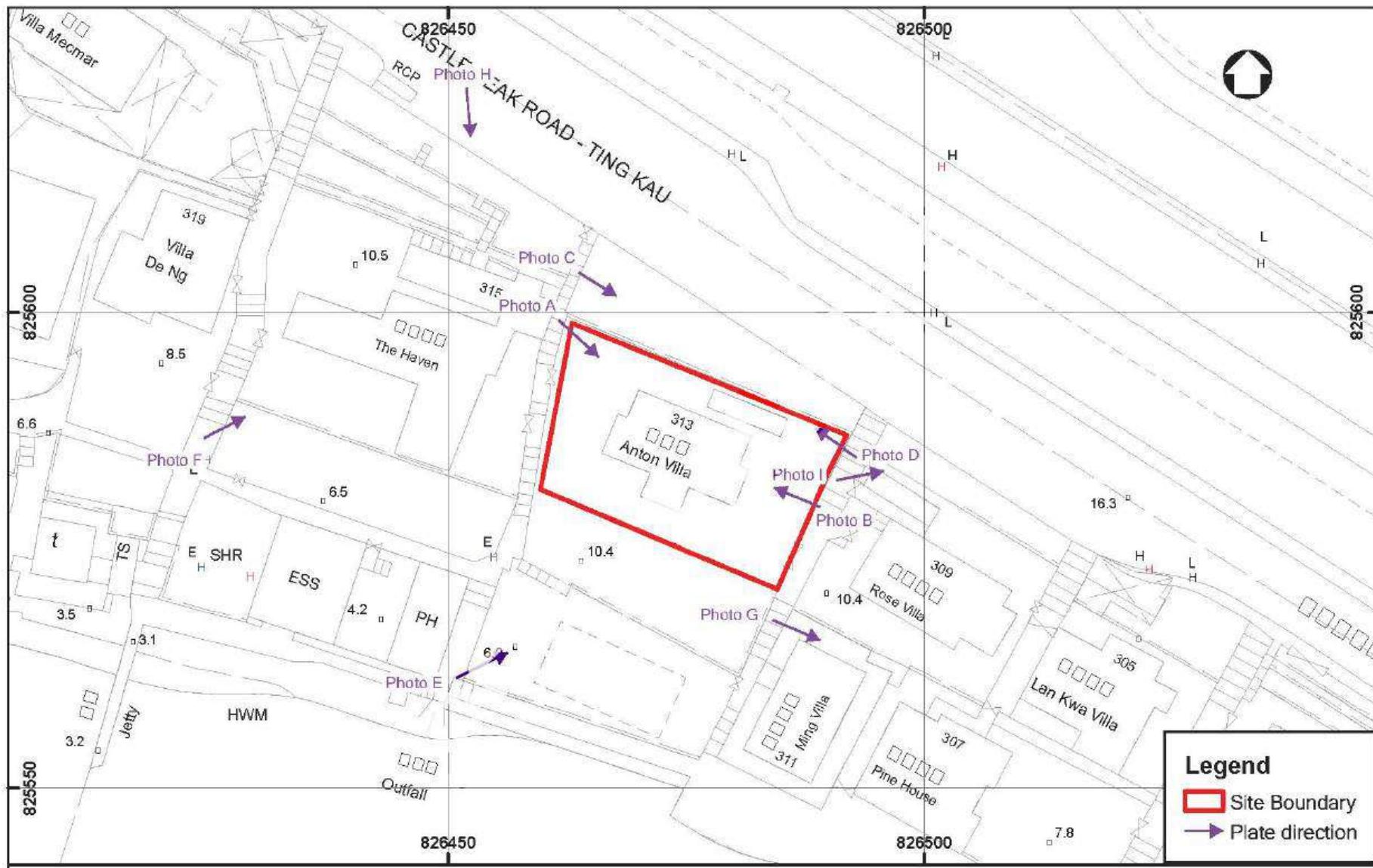
REVISION NO.	DESCRIPTIONS	DATE
0		26-AUG-2011
1		16-SEPT-2011
2		14-OCT-2011

DRAWN BY: P.M. WONG
 SURVEYED BY: W.Y. FONG
 APPROVED BY:
 JOSEPH Y C WONG
 AUTHORIZED LAND SURVEYOR MHKIS MRICS RPS(LS)

TOPOGRAPHIC SURVEY

Appendix B

Photographs



PROJECT: Proposed Development at Lot 405 in D.D. 399, No. 313 Castle Peak Road, Ting Kau, N.T.

TITLE: Plate Direction

SCALE:
1 : 1500

JMK Consulting Engineers Ltd.

FIGURE NO :
FIGURE B1



Photo A – General View of the Proposed Development Site, Looking East



Photo B – General View of the Proposed Development Site, Looking West



Photo C – General View of the Feature No. 6SE-D/FR57



Photo D – General View of the Feature No. 6SE-D/R158



Photo E – General View of the Feature No. 6SE-D/R114



Photo F – General View of the Feature No. 6SE-D/R113



Photo G – General View of the Feature No. 6SE-D/R115

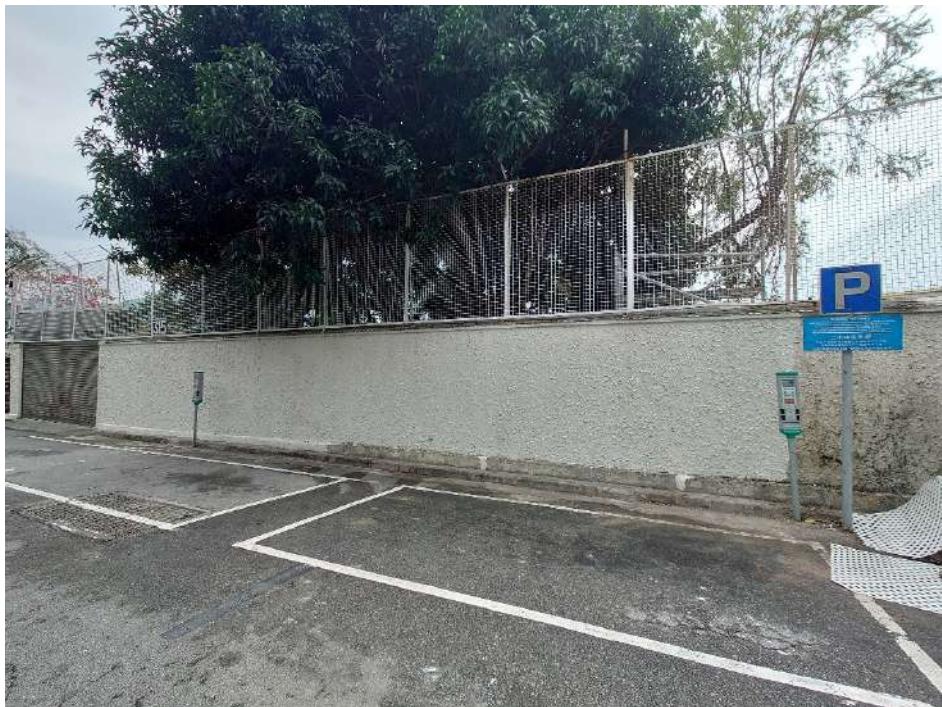


Photo H – General View of the Feature No. 6SE-D/R215



Photo I – General View of the Feature No. 6SE-D/FR203

Appendix C

SIMAR Record

Slope Maintenance Responsibility Report

(6SE-D/R215)

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

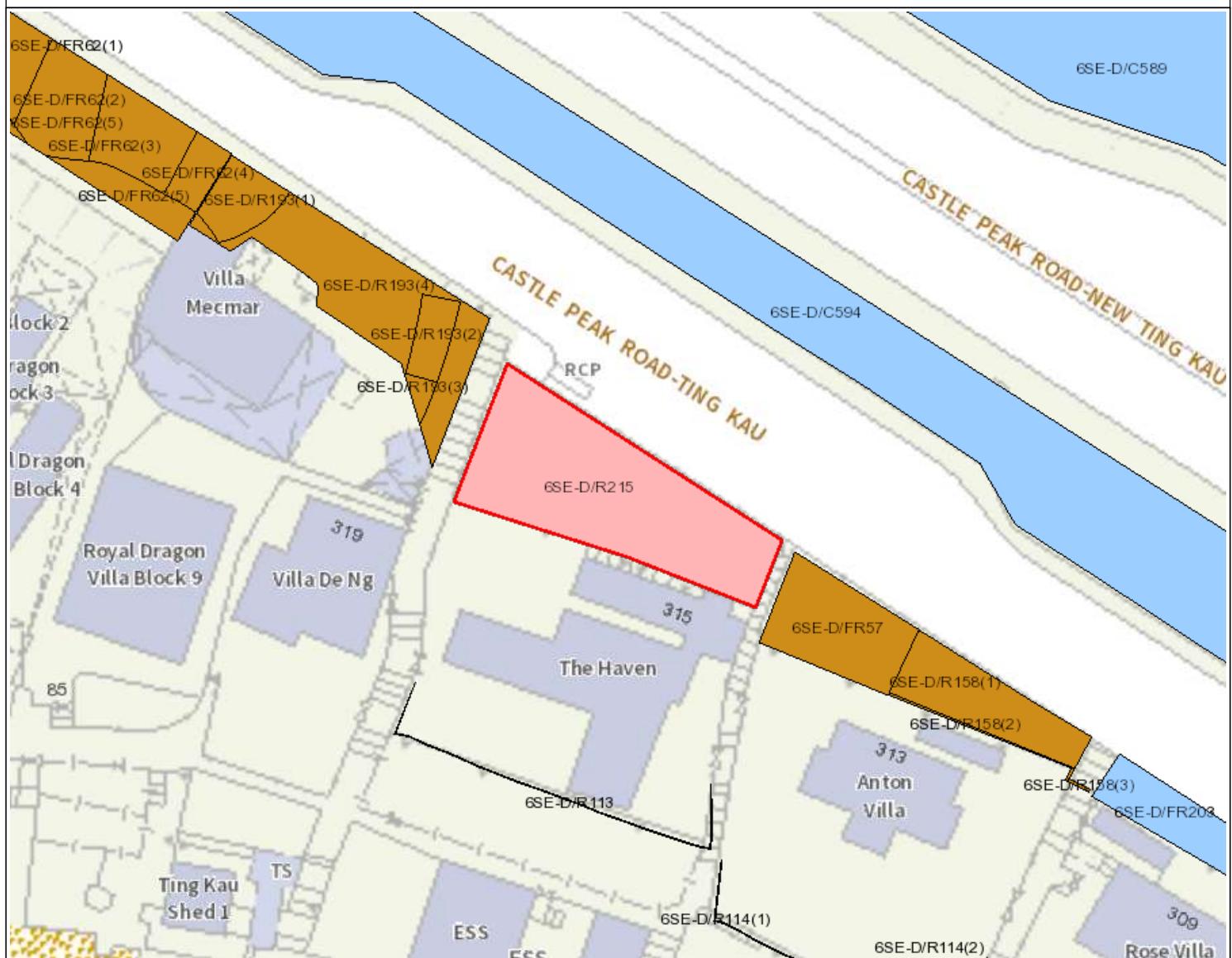
1	6SE-D/R215	Sub-Division	Not Applicable
	Location	Wholly within STT1206TW north of DD399 LOT404 in Ting Kau	
	Responsible Lot/Party	STT1206TW	Maintenance Agent
	Remarks	Not Applicable	

- 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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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

This Plan is **NOT TO SCALE** and intended for **IDENTIFICATION** only. All information shown on this plan **MUST** be verified by field survey.

Printed on: 24/10/2025

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Slope Maintenance Responsibility Report

(6SE-D/R158)



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

List of Slope Maintenance Responsibility Area(s)

1	6SE-D/R158	Sub-Division	1
	Location	MAINLY WITHIN STT 1139TW AND WITH SMALL PORTIONS WITHIN DD399 LOT 405 AND ON UNALLOCATED GOVERNMENT LAND	
	Responsible Lot/Party	STT 1139TW	Maintenance Agent Not Applicable
	Remarks	Not Applicable	
2	6SE-D/R158	Sub-Division	1
	Location	MAINLY WITHIN STT 1139TW AND WITH SMALL PORTIONS WITHIN DD399 LOT 405 AND ON UNALLOCATED GOVERNMENT LAND	
	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.	
3	6SE-D/R158	Sub-Division	2
	Location	MAINLY WITHIN STT 1139TW AND WITH SMALL PORTIONS WITHIN DD399 LOT 405 AND ON UNALLOCATED GOVERNMENT LAND	
	Responsible Lot/Party	DD399 LOT 405	Maintenance Agent Not Applicable
	Remarks	Not Applicable	
4	6SE-D/R158	Sub-Division	3
	Location	MAINLY WITHIN STT 1139TW AND WITH SMALL PORTIONS WITHIN DD399 LOT 405 AND ON UNALLOCATED GOVERNMENT LAND	
	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.	

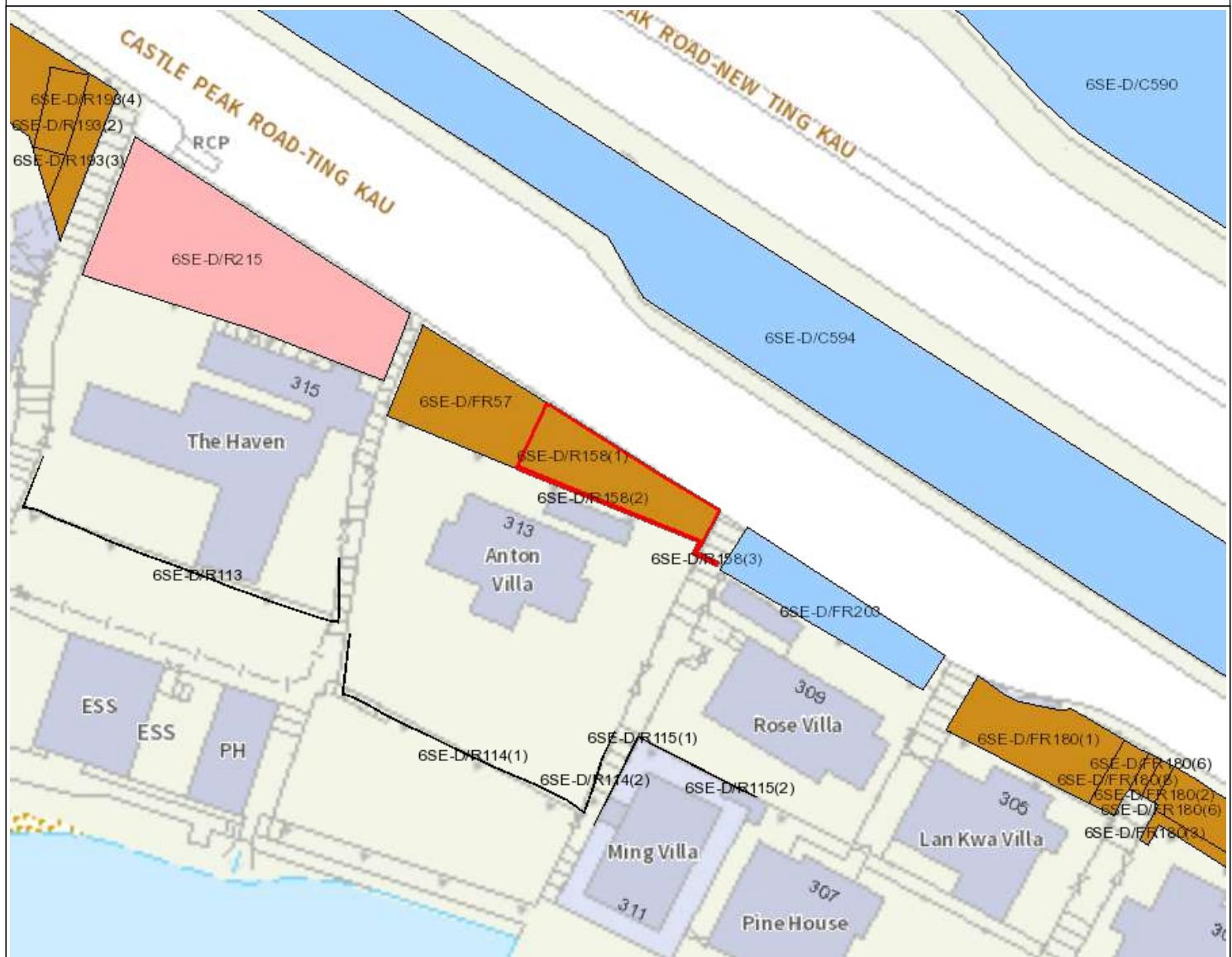
- End of Report -

Notes:

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- (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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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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Slope Maintenance Responsibility Report

(6SE-D/R115)

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

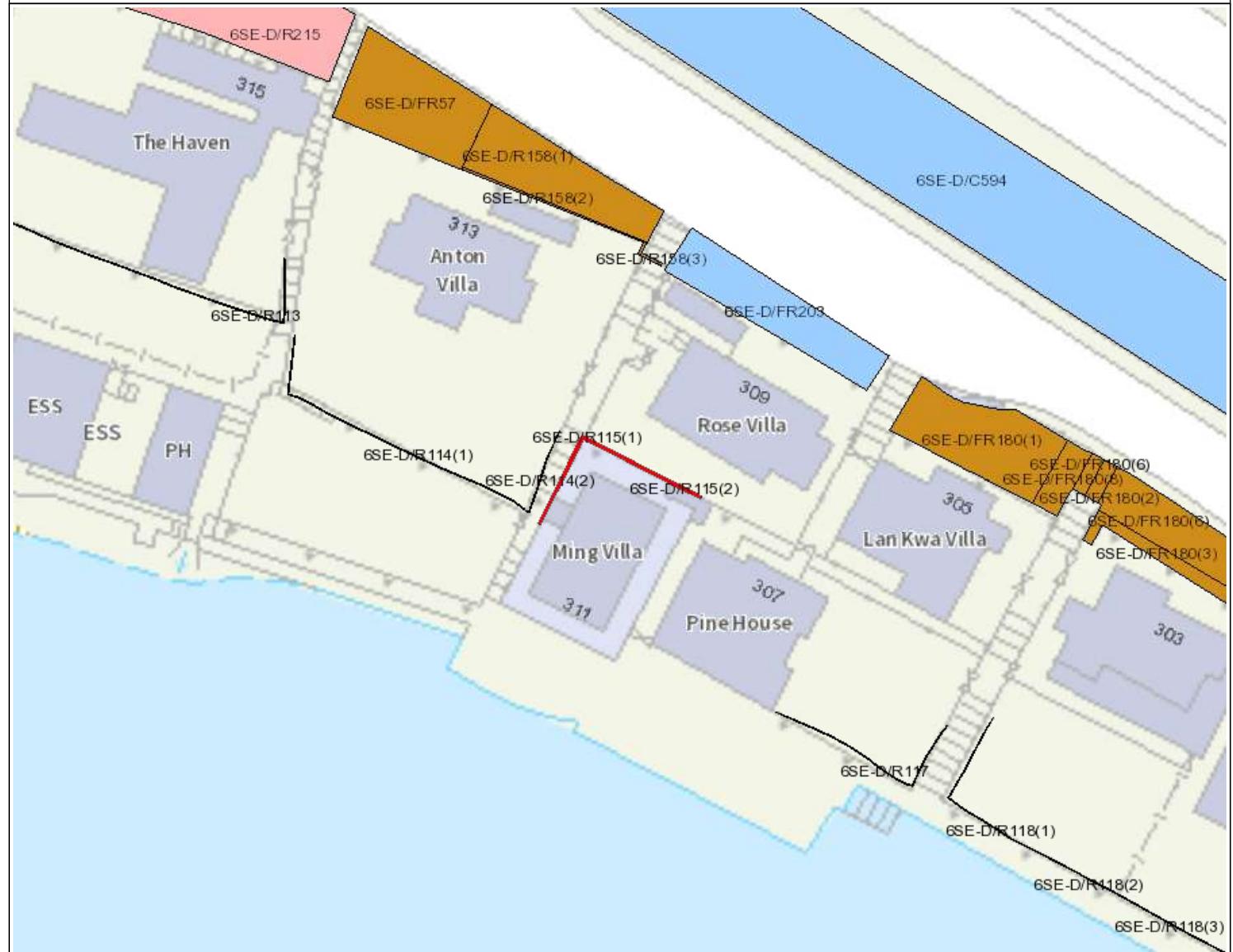
1	6SE-D/R115	Sub-Division	1
	Location	SLOPE FALLS IN DD399 LOTS401 & 447 NEAR SPOT LEVEL 17.2	
	Responsible Lot/Party	DD399 LOT447	Maintenance Agent Not Applicable
	Remarks	Not Applicable	
2	6SE-D/R115	Sub-Division	2
	Location	SLOPE FALLS IN DD399 LOTS401 & 447 NEAR SPOT LEVEL 17.2	
	Responsible Lot/Party	DD399 LOT401	Maintenance Agent Not Applicable
	Remarks	Not Applicable	

- End of Report -**Notes:**

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Location Plan



Legend

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



ESTATE MANAGEMENT SECTION LANDS DEPARTMENT

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Slope Maintenance Responsibility Report

(6SE-D/R114)

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

1	6SE-D/R114	Sub-Division	1
Location	MAINLY WITHIN STT1139TW AND WITH A VERY SMALL PORTION ON UNALLOCATED GOVERNMENT LAND		
Responsible Lot/Party	STT1139TW	Maintenance Agent	Not Applicable
Remarks	Not Applicable		
2	6SE-D/R114	Sub-Division	1
Location	MAINLY WITHIN STT1139TW AND WITH A VERY SMALL PORTION ON UNALLOCATED GOVERNMENT LAND		
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.		
3	6SE-D/R114	Sub-Division	2
Location	MAINLY WITHIN STT1139TW AND WITH A VERY SMALL PORTION ON UNALLOCATED GOVERNMENT LAND		
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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Location Plan



Legend

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- - - - - Search Location
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**ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT**

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Slope Maintenance Responsibility Report

(6SE-D/R113)

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

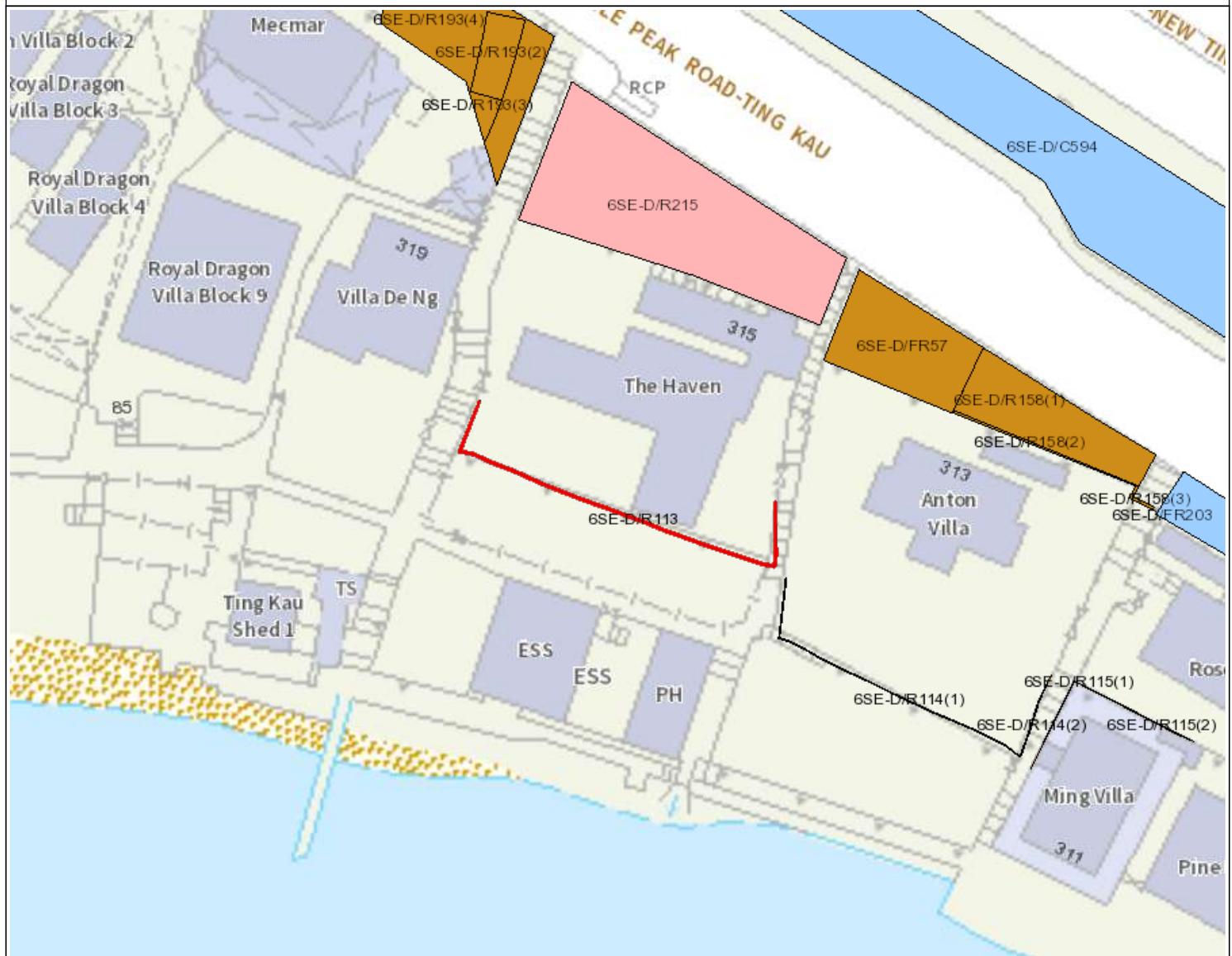
1	6SE-D/R113	Sub-Division	Not Applicable
	Location	WITHIN DD399 LOT404	
	Responsible Lot/Party	DD399 Lot404	Maintenance Agent
	Remarks	Not Applicable	

- End of Report -**Notes:**

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Location Plan



Legend

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



ESTATE MANAGEMENT SECTION
LANDS DEPARTMENT

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Slope Maintenance Responsibility Report

(6SE-D/FR203)

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

1	6SE-D/FR203	Sub-Division	Not Applicable	
	Location	ADJOINING CASTLE PEAK ROAD - TING KAU IN DEMARCTION DISTRICT 399		
	Responsible Lot/Party	Highways Department	Maintenance Agent	Highways Department
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		

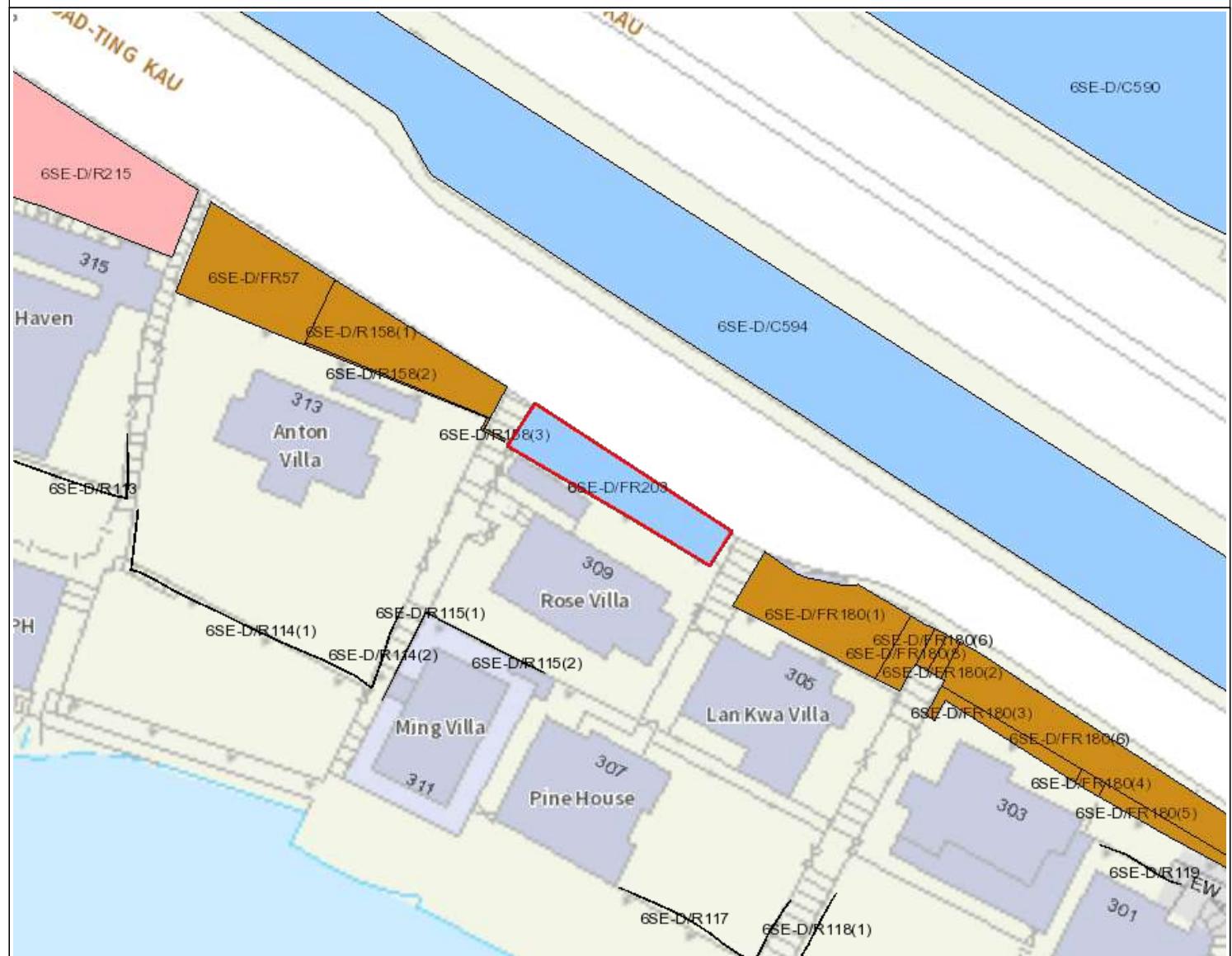
- End of Report -

Notes:

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Location Plan



Legend

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Slope Maintenance Responsibility Report

(6SE-D/FR57)

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

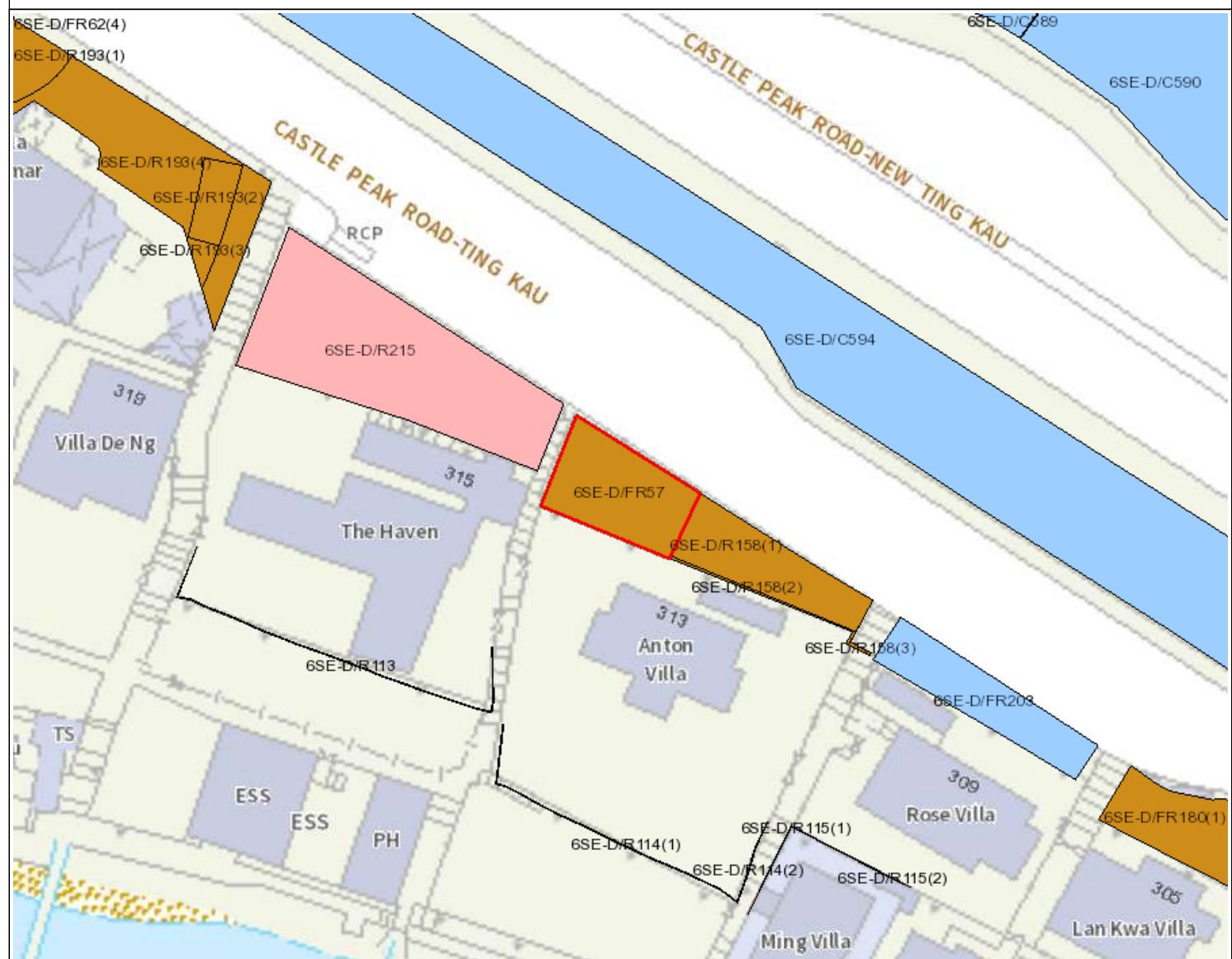
1	6SE-D/FR57	Sub-Division	Not Applicable	
	Location	WITHIN STT1139TW		
	Responsible Lot/Party	Lands Department	Maintenance Agent	
	Remarks	For enquiries about the maintenance of this slope / sub-division of the slope, please contact the Maintenance Agent directly.		
2	6SE-D/FR57	Sub-Division	Not Applicable	
	Location	WITHIN STT1139TW		
	Responsible Lot/Party	STT1139TW	Maintenance Agent	
	Remarks	Not Applicable		

- End of Report -**Notes:**

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Location Plan



Legend

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- - - - - Search Location
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Appendix D

Slope Records Retrieved from CEDD

BASIC INFORMATION

Location: Castle Peak Road - Ting Kau
Registration Date: 25-09-2012
Ranking Score (NPRS): 3620 (LPMit)
Date of Formation: pre-1977
Date of Construction/ Modification:
Data Source: EI(Lands D)
Approximate Coordinates: Easting : 826448 Northing : 825613

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Open car park
Distance of Facility from Crest (m): 0
Facility at Toe: Residential building
Distance of Facility from Toe (m): 1
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 8.2 Length (m): 30 Face Angle (deg): 90

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Private Feature Party: STT1206TW Agent: N/A Land Cat.: 1 Reason Code: 3 MR Endorsement Date: 27-11-2015

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 16-09-2010
Data Source: EI(Lands D)
Slope Part Drainage: N/A
Wall Part Drainage: N/A

SLOPE PART

N/A

WALL PART



Wall Part (1)

Type of Wall: Wall Material: Concrete Wall Location: Wall at toe
Berm: No. of Berms: 3 Min. Berm Width (m): 1
Weepholes: Size (mm): 25 Spacing (m): 1

SERVICES

(1) Utilities Type: Water Main Size(mm): 200 Location: On crest Remark: 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: 16-09-2010
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): Date of Recommendation to BD: N/A File Reference: N/A
Date Served by BD: 08/07/2024
LPMIS: Agreement No.: CE62/2019 Report No.: S2R024/2022
Agreement No.: CE23/2011 Report No.: S3R 103/2014

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 25/09/2025)

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Residential building

Distance from Toe(m): 1

Type of Crest Facility: Open car park

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

eLPMIS

LPM/LPMit Details Report

LPM Study Feature No.:	6SE-D/R 215
Location:	Castle Peak Road - Ting Kau
District Council:	Tsuen Wan
Maintenance Responsibility (At the Time of Selection):	Private
Responsible Party for Maintenance of Government Portion:	N/A
Private Lot No.:	STT1206TW

LPM/LPMit Study

Agreement No.:	CE62/2019
Study Type:	Stage 2 Study
Consultant:	C M Wong & Associates Ltd.
GEO Managing Section / Engineer:	SS / SS1
Study Status:	Study completed
Design Approach:	N/A
Option Assessment Accepted:	N
Study Report No.:	S2R024/2022
Programme / Actual Commencement:	25-01-2022
Programme / Actual Completion:	28-02-2022
Report Recommendation (For Stage 2 Study):	Advisory Letter
District Check Status:	N/A
Checking Certificate No.:	N/A
GEO Engineer's Remarks:	AL issued on 08/07/2024.

LPM/LPMit Works

Works Contract No.:	N/A
GEO Managing Section / Engineer:	N/A / N/A
Contractor:	N/A
Progress Status:	N/A
Reason of Study Termination / Works Deletion (If Necessary):	N/A
Forecast Commencement Date:	N/A
Forecast Completion Date:	N/A
Completion Cert. Issued:	N/A
Site Handed Over to Maintenance Department on:	N/A
Estimated Cost for Upgrading (HK\$M):	N/A
Maintenance Manual No.:	N/A

Actual Works:	N/A
No. of Tree Felled:	N/A
No. of Tree Planted (Incl. Transplant):	N/A
% Bare of Slope Surfacing:	N/A
% Vegetated of Slope Surfacing:	N/A
% Shotcrete of Slope Surfacing:	N/A
Other Hard Surface of Slope Surfacing:	N/A

LPM/LPMit Details Report

LPM Study Feature No.:	6SE-D/FR 155
Location:	Castle Peak Road - Ting Kau
District Council:	Tsuen Wan
Maintenance Responsibility (At the Time of Selection):	Mixed
Responsible Party for Maintenance of Government Portion:	Lands D
Private Lot No.:	STT1206TW

LPM/LPMit Study

Agreement No.:	CE23/2011
Study Type:	Stage 3 Study Under Schedule of Rates Contract
Consultant:	Fugro (HK) Ltd.
GEO Managing Section / Engineer:	LPM3 / CM62
Study Status:	Study completed
Design Approach:	Prescriptive
Option Assessment Accepted:	Y
Study Report No.:	S3R 103/2014
Programme / Actual Commencement:	16-04-2014
Programme / Actual Completion:	15-11-2014
Report Recommendation (For Stage 2 Study):	N/A
District Check Status:	N/A
Checking Certificate No.:	N/A
GEO Engineer's Remarks:	Feature No. 6SE-D/FR155 under Agreement No. CE23/2011 (GE) has been renamed to 6SE-D/R215. LPM works could not be carried out under GE/2013/29 as MR is changed from HyD to private.

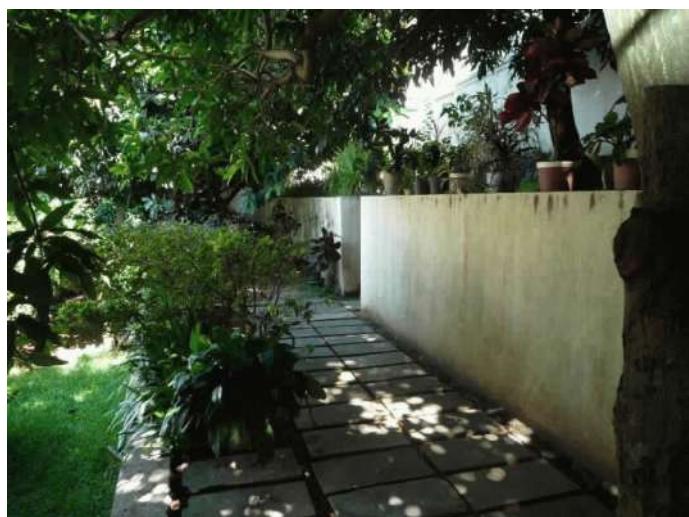
LPM/LPMit Works

Works Contract No.:	GE/2013/29
GEO Managing Section / Engineer:	LPM3 / W1
Contractor:	Geotech Engineering Limited
Progress Status:	Works suspended
Reason of Study Termination / Works Deletion (If Necessary):	MR wholly private
Forecast Commencement Date:	N/A
Forecast Completion Date:	N/A
Completion Cert. Issued:	N/A
Site Handed Over to Maintenance Department on:	N/A
Estimated Cost for Upgrading (HK\$M):	0



Maintenance Manual No.:	N/A
Actual Works:	N/A
No. of Tree Felled:	N/A
No. of Tree Planted (Incl. Transplant):	N/A
% Bare of Slope Surfacing:	N/A
% Vegetated of Slope Surfacing:	N/A
% Shotcrete of Slope Surfacing:	N/A
Other Hard Surface of Slope Surfacing:	N/A

PHOTO





BASIC INFORMATION

Location: No. 311-313 Castle Peak Road, Ting Kau
Registration Date: 28-04-2000
Ranking Score (NPRS): 0 (EI)
Date of Formation: pre-1977
Date of Construction/ Modification: 31-05-2010
Data Source: Project Office
Approximate Coordinates: Easting : 826485 Northing : 825594

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Open car park
Distance of Facility from Crest (m): 0
Facility at Toe: Cottage, licensed and squatter area
Distance of Facility from Toe (m): 0.3
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 7 Length (m): 18.7 Face Angle (deg): 90

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1 Mixed Feature Party: STT 1139TW Agent: N/A Land Cat.: 1,5b(vi) Reason Code: 3 MR Endorsement Date: 27-05-2014
(2) Sub Div.: 1 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi) Reason Code: 59 MR Endorsement Date: 27-05-2014
(3) Sub Div.: 2 Mixed Feature Party: DD399 LOT 405 Agent: N/A Land Cat.: 1 Reason Code: 1 MR Endorsement Date: 27-05-2014
(4) Sub Div.: 3 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 5b(vi) Reason Code: 62 MR Endorsement Date: 27-05-2014

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 03-08-2018
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: 1 Min. Berm Width (m): 2
Weepholes: Size (mm): 50 Spacing (m): 1.5

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_13254 Part: 0 Checking Status: Feature modified/upgraded to current standard Checking Certificate No.: GEO/MW 008/2013

BACKGROUND INFORMATION

GIU Cell Ref.: 6SE18D4
Map Sheet Reference (1:1000): 6SE-18D
Aerial Photos: Y08950-1 (1963),
Nearest Rainguage Station (Station Number): Emmanuel Primary School, 13 Miles, Castle Peak Road(N10)
Data Collected On: 03-08-2018
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1963 After: N/A
Related Reports/Files or Documents: File/Report: Development Ref. No.: GCMW2/B2/200
File/Report: LA Ref. No.: GCMW5/3/16 OP.14f30,32 PT.5f112
File/Report: LA Ref. No.: GCMW5/3/16 OP.14f30,32 PT.5f112
File/Report: LWC Ref. No.: GC4/1/2-5f7A
File/Report: LWC Ref. No.: GC4/1/2-5f7A
Remarks: N/A

Follow Up Actions:	N/A
DH-Order (To Be Confirmed with Buildings Department):	None
Advisory Letter (To Be Confirmed with Buildings Department):	None
LPMIS:	Agreement No.: CE47/2005 Report No.: S2R18/2008

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 25/09/2025)

Upgraded by:

Prescriptive Design Using GEO Report No. 56: N/A

Non-prescriptive Design Including Conventional Design: Yes

Improved by:

Type 1 / Type 2 Prescriptive Measures: N/A

Type 3 Prescriptive Measures (not up to upgrading standard): N/A

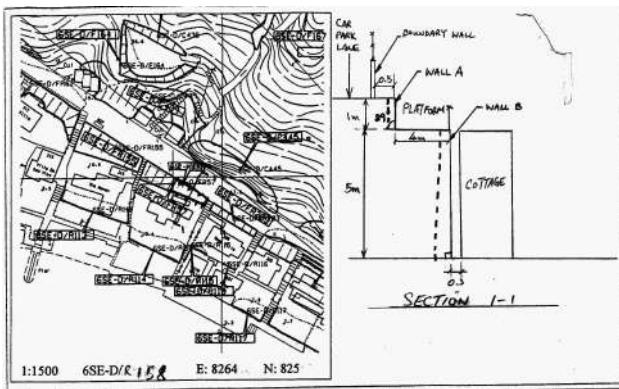
Actual Completion Date: 31-05-2010

STAGE 1 STUDY REPORT

Inspected On: 17-12-1999

Weather: Some Rain

District: MW



Section No: 1-1

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

Type of Toe Facility: Cottage, licensed and squatter area

Distance from Toe(m): 0.3

Type of Crest Facility: Open car park

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

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

ACTION TO INITIATE PREVENTIVE WORKS

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

OTHER EXTERNAL ACTION

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

eLPMIS

LPM/LPMit Details Report

LPM Study Feature No.: 6SE-D/R 158
Location: TING AKU, NO.311-313 CASTLE PEAK ROAD
District Council: Tsuen Wan
Maintenance Responsibility (At the Time of Selection): Mixed
Responsible Party for Maintenance of Government Portion: Lands D
Private Lot No.: STT139TW

LPM/LPMit Study

Agreement No.:	CE47/2005
Study Type:	Stage 2 Study
Consultant:	Maunsell Geotechnical Services Ltd.
GEO Managing Section / Engineer:	SS / SS3
Study Status:	Study completed
Design Approach:	N/A
Option Assessment Accepted:	N/A
Study Report No.:	S2R18/2008
Programme / Actual Commencement:	23-01-2008
Programme / Actual Completion:	07-09-2008
Report Recommendation (For Stage 2 Study):	No action required
District Check Status:	Exempted from checking
Checking Certificate No.:	N/A
GEO Engineer's Remarks:	N/A

LPM/LPMit Works

Works Contract No.:	N/A
GEO Managing Section / Engineer:	N/A / N/A
Contractor:	N/A
Progress Status:	N/A
Reason of Study Termination / Works Deletion (If Necessary):	N/A
Forecast Commencement Date:	N/A
Forecast Completion Date:	N/A
Completion Cert. Issued:	N/A
Site Handed Over to Maintenance Department on:	N/A
Estimated Cost for Upgrading (HK\$M):	N/A
Maintenance Manual No.:	N/A
Actual Works:	N/A
No. of Tree Felled:	N/A
No. of Tree Planted (Incl. Transplant):	N/A
% Bare of Slope Surfacing:	N/A
% Vegetated of Slope Surfacing:	N/A
% Shotcrete of Slope Surfacing:	N/A
Other Hard Surface of Slope Surfacing:	N/A

PHOTO





Slope Checking Status

Name	Value
SCS ID	SCS_13254
SCS Feature	6SE-D/R 158
SCS Part	0
SCS Status	5
Checking Status	Feature modified/upgraded to current standard
Check Cert	GEO/MW 008/2013
Feature Remark	GEO accepted the design report for feature no. 6SE-D/FR57 & 6SE-D/R158 on 10.2.2010.
Reviewer	CHAN HUNG WAI, CORN
GEO Reply	2013/02/04
Last Update	08-02-2013
Easting	826477
Northing	825600
-----	-----
File Ref	GCMW 2/E1/6SE-D/R158
ERKS File Ref	MW-30-2025-1-6SE-D/R158
File Title	Ag No. CE31/2006(GE), EMP, Design Report for feature no. 6SE-D/FR57 & 6SE-D/R158, No. 311-313, Castle Peak Road, Ting Kau
Project Type	Public
File Ref Image	Open Image



BASIC INFORMATION

Location: Rose Villa, Castle Peak Road, Ting Kau, Tsuen Wan, New Territories. Lot No. 401 in D.D. 399
Registration Date: 16-03-1998
Ranking Score (NPRS): 0 (Notional)
Date of Formation: pre-1977
Date of Construction/ Modification: 15-07-2011
Data Source: AP
Approximate Coordinates: Easting : 826486 Northing : 825569

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building
Distance of Facility from Crest (m): 4.5
Facility at Toe: Residential building
Distance of Facility from Toe (m): 2.5
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 4.1 Length (m): 19 Face Angle (deg): 90

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1 Private Feature Party: DD399 LOT447 Agent: N/A Land Cat.: 1 Reason Code: 1 MR Endorsement Date: 17-07-2006
(2) Sub Div.: 2 Private Feature Party: DD399 LOT401 Agent: N/A Land Cat.: 1 Reason Code: 1 MR Endorsement Date: 17-07-2006

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 03-11-2011
Data Source: AP
Slope Part Drainage: N/A
Wall Part Drainage: (1) Position: Crest Size(mm): 225

SLOPE PART

N/A

WALL PART



Wall Part (1)

Type of Wall: Masonry Wall Location: Retaining wall with level platform
Berm: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): 50 Spacing (m): 1.5

SERVICES

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

CHECKING STATUS INFORMATION

Tagmark: SCS_10329 Part: 1 Checking Status: Feature modified/upgraded to current standard Checking Certificate No.: N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 6SE18D4
Map Sheet Reference (1:1000): 6SE-18D
Aerial Photos: Y08950 (1963), Y08951 (1963)
Nearest Rainguage Station (Station Number): Emmanuel Primary School, 13 Miles, Castle Peak Road(N10)
Data Collected On: 03-11-2011
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1963 After: 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): Date of Recommendation to BD: 05/12/2007 File Reference: DH/0131/05/NT
Date Served by BD: 30/05/2008 Notice No.: DH0052/NT/08/C
Date of Recommendation to BD: 05/12/2007 File Reference: DH/0131/05/NT
Date Served by BD: 17/09/2010 Notice No.: DH0120/NT/10/C
Advisory Letter (To Be Confirmed with Buildings Department): None
LPMIS: Agreement No.: CE10/2003 Report No.: S2R209/2005

ENHANCED MAINTENANCE INFORMATION

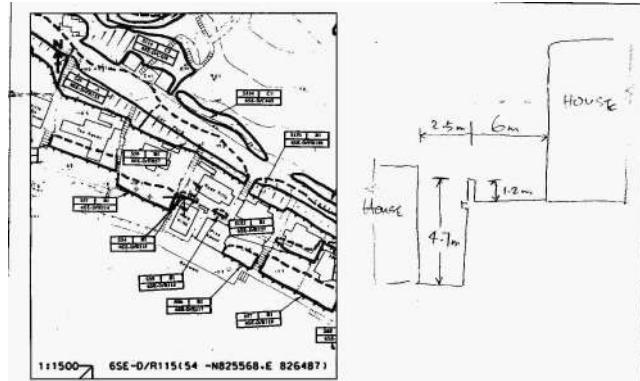
From Maintenance Department: (Last Updated Date: 25/09/2025)

STAGE 1 STUDY REPORT

Inspected On: 20-03-1997

Weather: Some Rain

District: MW



Section No: 1-1

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

Type of Toe Facility: Residential building

Distance from Toe(m): 2.5

Type of Crest Facility: Residential building

Distance from Crest(m): 4.5

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category: 1

Engineering Judgement: P

Sign of Seepage: Slope : N/A
Wall : Signs of seepage

Criterion A satisfied: N

Sign of Distress: Slope : N/A
Wall : Minimal(near crest)

Criterion D satisfied: N

Non-routine maintenance required: N

Note: N/A

Masonry wall/Masonry facing: Y

Note: Square rubble.

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

eLPMIS

LPM/LPMit Details Report

LPM Study Feature No.:	6SE-D/R 115
Location:	MING VILLA DD339 LOT 447, CASTLE PEAK ROAD, TING KAU
District Council:	Tsuen Wan
Maintenance Responsibility (At the Time of Selection):	Private
Responsible Party for Maintenance of Government Portion:	N/A
Private Lot No.:	DD399 Lot447, DD399 Lot401

LPM/LPMit Study

Agreement No.:	CE10/2003
Study Type:	Stage 2 Study
Consultant:	Scott Wilson (HK) Ltd.
GEO Managing Section / Engineer:	SS / SS2
Study Status:	Study completed
Design Approach:	N/A
Option Assessment Accepted:	N/A
Study Report No.:	S2R209/2005
Programme / Actual Commencement:	30-12-2004
Programme / Actual Completion:	24-03-2006
Report Recommendation (For Stage 2 Study):	DH Order, No action required
District Check Status:	Checked
Checking Certificate No.:	N/A
GEO Engineer's Remarks:	N/A

LPM/LPMit Works

Works Contract No.:	N/A
GEO Managing Section / Engineer:	N/A / N/A

Contractor:	N/A
Progress Status:	N/A
Reason of Study Termination / Works Deletion (If Necessary):	N/A
Forecast Commencement Date:	N/A
Forecast Completion Date:	N/A
Completion Cert. Issued:	N/A
Site Handed Over to Maintenance Department on:	N/A
Estimated Cost for Upgrading (HK\$M):	N/A
Maintenance Manual No.:	N/A
Actual Works:	N/A
No. of Tree Felled:	N/A
No. of Tree Planted (Incl. Transplant):	N/A
% Bare of Slope Surfacing:	N/A
% Vegetated of Slope Surfacing:	N/A
% Shotcrete of Slope Surfacing:	N/A
Other Hard Surface of Slope Surfacing:	N/A

PHOTO





Slope Checking Status

Name	Value
SCS ID	SCS_10329
SCS Feature	6SE-D/R 115
SCS Part	1
SCS Status	5
Checking Status	Feature modified/upgraded to current standard
Check Cert	N/A
Feature Remark	Agreed to BA14 on 06/01/2012 6SE-D/R115 (Sub-Div. 2).
Reviewer	CHAN HUNG WAI, CORN
GEO Reply	2012/01/06
Last Update	26-03-2012
Easting	826486
Northing	825568
-----	-----
File Ref	GCMW 3/5/DH131/05/NT
ERKS File Ref	MW-10-2010-4-DH131/05/NT
File Title	ROSA VILLA, CASTLE PEAK ROAD, TING KAU, TSUEN WAN, N.T. - LOT 401 IN DD399 (6SE-D/R115 sub-div. 2)
Project Type	Private
File Ref Image	N/A

BASIC INFORMATION

Location: NO.313, CASTLE PEAK ROAD, TING KAU
Registration Date: 16-03-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: pre-1977
Date of Construction/ Modification:
Data Source: SIRST
Approximate Coordinates: Easting : 826469 Northing : 825568

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Horticulture garden
Distance of Facility from Crest (m): 0
Facility at Toe: Lightly-used playground
Distance of Facility from Toe (m): 3
Consequence-to-life Category: 2
Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 4 Length (m): 43 Face Angle (deg): 87

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 1	Mixed Feature	Party: STT1139TW	Agent: N/A	Land Cat.: 1,5b(vi)	Reason Code: 3	MR Endorsement Date: 20-06-2012
(2) Sub Div.: 1	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 1,5b(vi)	Reason Code: 59	MR Endorsement Date: 20-06-2012
(3) Sub Div.: 2	Mixed Feature	Party: Lands D	Agent: Lands D	Land Cat.: 5b(vi)	Reason Code: 62	MR Endorsement Date: 20-06-2012

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 20-03-1997
Data Source: SIRST
Slope Part Drainage: N/A
Wall Part Drainage: (1) Position: Toe Size(mm): 175

SLOPE PART

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): 40 Spacing (m): 1.2

SERVICES

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

CHECKING STATUS INFORMATION

N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 6SE18D4
Map Sheet Reference (1:1000): 6SE-18D
Aerial Photos: Y08950 (1963), Y08951 (1963)
Nearest Rainguage Station (Station Number): Emmanuel Primary School, 13 Miles, Castle Peak Road(N10)
Data Collected On: 20-03-1997
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1963 After: N/A
Related Reports/Files or Documents: File/Report: LA Ref. No.: GCMW5/3/16 pt14, 5/6/16 pt5
File/Report: LA Ref. No.: GCMW5/3/16 pt14, 5/6/16 pt5
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

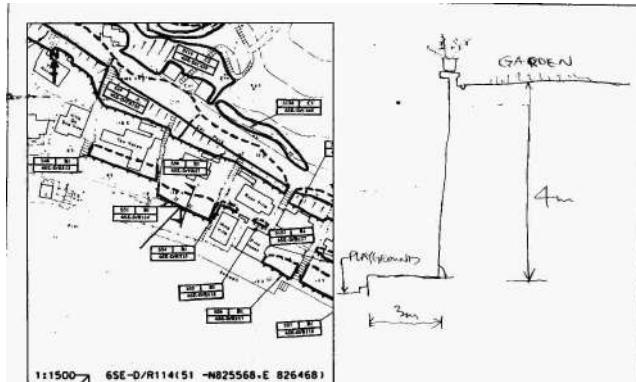
From Maintenance Department: (Last Updated Date: 25/09/2025)

STAGE 1 STUDY REPORT

Inspected On: 20-03-1997

Weather: Some Rain

District: MW



Section No: 1-1

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

Type of Toe Facility: Lightly-used playground

Distance from Toe(m): 3

Type of Crest Facility: Horticulture garden

Distance from Crest(m): 0

Consequence Category: 2

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: 2

Engineering Judgement: P

Sign of Seepage: Slope : N/A
Wall : Signs of seepage

Criterion A satisfied: N

Sign of Distress: Slope : N/A
Wall : Minimal(near crest, at toe)

Criterion D satisfied: N

Non-routine maintenance required: N

Note: N/A

Masonry wall/Masonry facing: Y

Note: Square rubble

Consequence category (for critical section): 2

Observations: N/A

Emergency Action Required: N

Action By: N/A



ACTION TO INITIATE PREVENTIVE WORKS

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

OTHER EXTERNAL ACTION

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

PHOTO



6SE-D/R114

GENERAL VIEW



BASIC INFORMATION

Location: THE HAVEN, CASTLE PEAK ROAD, TING KAU
Registration Date: 16-03-1998
Ranking Score (NPRS): 0 (LPMit)
Date of Formation: pre-1977
Date of Construction/ Modification:
Data Source: SIRST
Approximate Coordinates: Easting : 826442 Northing : 825585

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building
Distance of Facility from Crest (m): 1
Facility at Toe: Lightly-used playground
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): 4 Length (m): 42 Face Angle (deg): 80

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Private Feature Party: DD399 Lot404 Agent: N/A Land Cat.: 1 Reason Code: 1 MR Endorsement Date: 05-01-1999

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 20-03-1997
Data Source: SIRST
Slope Part Drainage: N/A
Wall Part Drainage: N/A

SLOPE PART

N/A

WALL PART

Wall Part (1)

Type of Wall: Wall Material: Others Wall Location: Retaining wall with level platform
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): 65 Spacing (m): 1.2

SERVICES

N/A

CHECKING STATUS INFORMATION

N/A

BACKGROUND INFORMATION

GIU Cell Ref.: 6SE18D4
Map Sheet Reference (1:1000): 6SE-18D
Aerial Photos: Y08950 (1963), Y08951 (1963)
Nearest Rainguage Station (Station Number): Emmanuel Primary School, 13 Miles, Castle Peak Road(N10)
Data Collected On: 20-03-1997
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1963 After: N/A
Related Reports/Files or Documents: N/A
Remarks: N/A
Follow Up Actions: N/A
DH-Order (To Be Confirmed with Buildings Department): None
Advisory Letter (To Be Confirmed with Buildings Department): None
LPMIS: Agreement No.: CE79/97 Report No.: S2R261/2000

ENHANCED MAINTENANCE INFORMATION

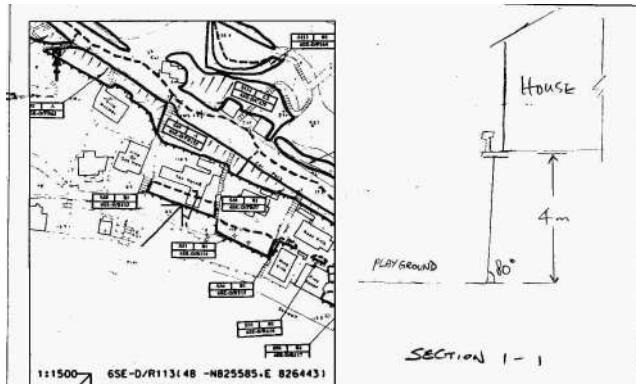
From Maintenance Department: (Last Updated Date: 25/09/2025)

STAGE 1 STUDY REPORT

Inspected On: 20-03-1997

Weather: Mainly Fine

District: MW



Section No: 1-1

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

Type of Toe Facility: Lightly-used playground

Distance from Toe(m): 0

Type of Crest Facility: Residential building

Distance from Crest(m): 1

Consequence Category: 1

Engineering Judgement: P

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category: 1

Engineering Judgement: P

Sign of Seepage: Slope : N/A
Wall : Signs of seepage

Criterion A satisfied: N

Sign of Distress: Slope : N/A
Wall : Minimal(near crest, mid-portion, at toe)

Criterion D satisfied: N

Non-routine maintenance required: N

Note: N/A

Masonry wall/Masonry facing: Y

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

eLPMIS

LPM/LPMit Details Report

LPM Study Feature No.:	6SE-D/R 113
Location:	The Haven, Castle Peak Road, Ting Kau.
District Council:	Tsuen Wan
Maintenance Responsibility (At the Time of Selection):	Private
Responsible Party for Maintenance of Government Portion:	N/A
Private Lot No.:	DD399LOT404

LPM/LPMit Study

Agreement No.:	CE79/97
Study Type:	Stage 2 Study
Consultant:	C M Wong & Associates Ltd.
GEO Managing Section / Engineer:	SS / SS1
Study Status:	Study completed
Design Approach:	Otherwise
Option Assessment Accepted:	N/A
Study Report No.:	S2R261/2000
Programme / Actual Commencement:	01-06-1998
Programme / Actual Completion:	30-11-2000
Report Recommendation (For Stage 2 Study):	Advisory Letter
District Check Status:	Checked
Checking Certificate No.:	N/A
GEO Engineer's Remarks:	# Type 3 Advisory Letter referred to District Division on 4 December 2000.

LPM/LPMit Works

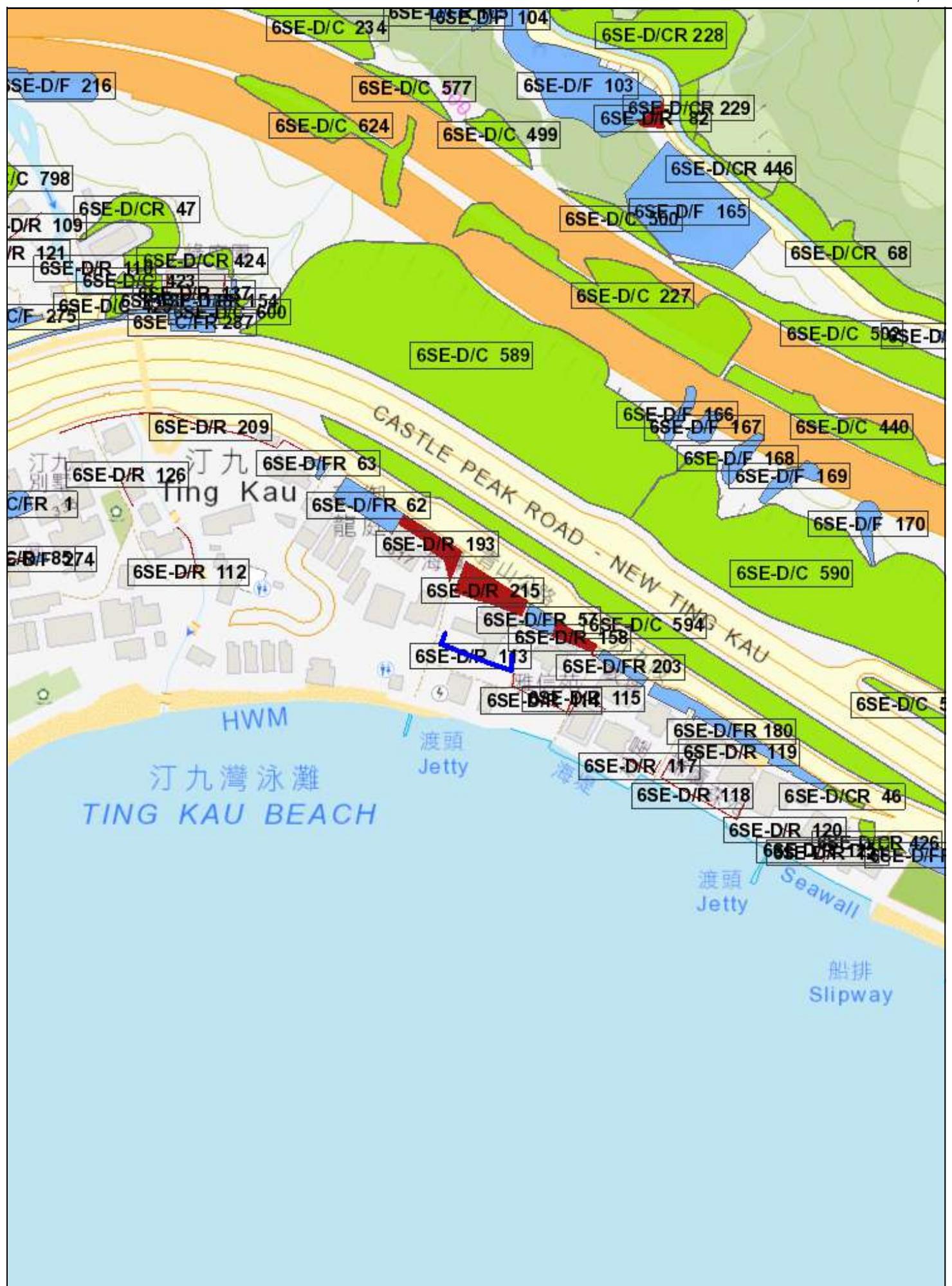
Works Contract No.:	N/A
GEO Managing Section / Engineer:	N/A / N/A

Contractor:	N/A
Progress Status:	N/A
Reason of Study Termination / Works Deletion (If Necessary):	N/A
Forecast Commencement Date:	N/A
Forecast Completion Date:	N/A
Completion Cert. Issued:	N/A
Site Handed Over to Maintenance Department on:	N/A
Estimated Cost for Upgrading (HK\$M):	N/A
Maintenance Manual No.:	N/A
Actual Works:	N/A
No. of Tree Felled:	N/A
No. of Tree Planted (Incl. Transplant):	N/A
% Bare of Slope Surfacing:	N/A
% Vegetated of Slope Surfacing:	N/A
% Shotcrete of Slope Surfacing:	N/A
Other Hard Surface of Slope Surfacing:	N/A

PHOTO



GENERAL VIEW



BASIC INFORMATION

Location: CASTLE PEAK ROAD - TING KAU
Registration Date: 27-08-1999
Ranking Score (NPRS): 0 (EI)
Date of Formation: pre-1977
Date of Construction/ Modification:
Data Source: EI (HyD)
Approximate Coordinates: Easting : 826505 Northing : 825581

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with moderate traffic density
Distance of Facility from Crest (m): 0
Facility at Toe: Residential building
Distance of Facility from Toe (m): 4
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 1.8 Length (m): 23 Average Angle (deg): 35

WALL PART

(1) Max. Height (m): 4 Length (m): 23 Face Angle (deg): 78

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Government Feature Party: HyD Agent: HyD Land Cat.: 5b(iii) Reason Code: 56 MR Endorsement Date: 18-02-2008

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 04-12-2018
Data Source: EI (HyD)
Slope Part Drainage: (1) Position: Toe Size(mm): 225
Wall Part Drainage: (1) Position: Crest Size(mm): 225
(2) Position: Downpipe Size(mm): 225
(3) Position: Toe Size(mm): 200

SLOPE PART

Slope Part (1)

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

WALL PART**Wall Part (1)**

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

SERVICES

(1) Utilities Type: Water Main Size(mm): 300 Location: On crest Remark: N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_5715 Part: 0 Checking Status: Feature modified/upgraded to current standard Checking Certificate No.: GEO/MW 008/2007

BACKGROUND INFORMATION

GIU Cell Ref.: N/A
Map Sheet Reference (1:1000): 6SE-18D
Aerial Photos: N/A
Nearest Rainguage Station (Station Number): ()
Data Collected On: 04-12-2018
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: 25/09/2025)

Upgraded by:

Prescriptive Design Using GEO Report No. 56: N/A

Non-prescriptive Design Including Conventional Design: Yes

Improved by:

Type 1 / Type 2 Prescriptive Measures: N/A

Type 3 Prescriptive Measures (not up to upgrading standard): N/A

Actual Completion Date: 03-11-2006

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Residential building

Distance from Toe(m): 4

Type of Crest Facility: Road/footpath with moderate 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

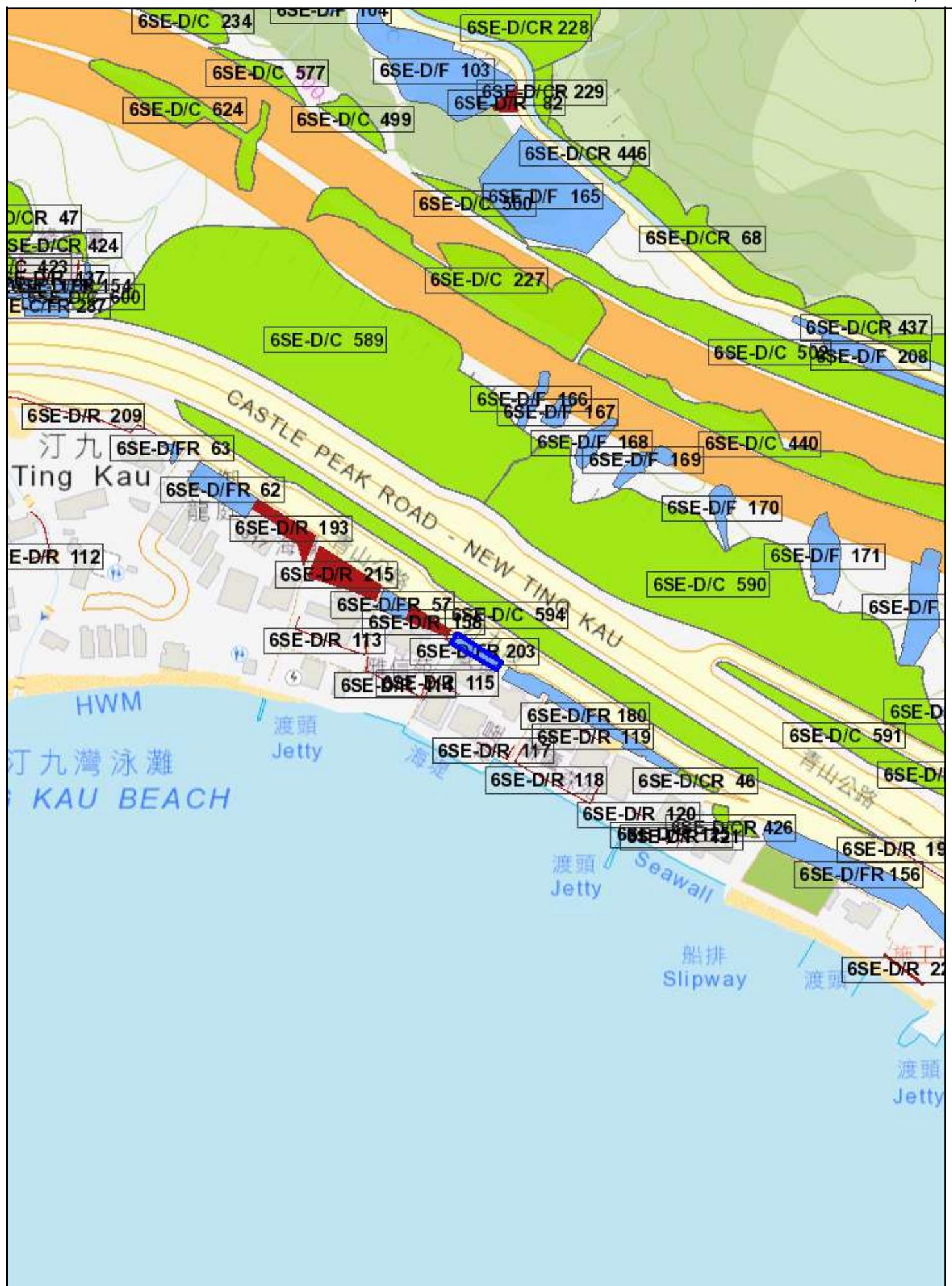
Criterion A/Criterion D: N/A
Action By: N/A
Further Study:
Action By: N/A

OTHER EXTERNAL ACTION

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

PHOTO





Slope Checking Status

Name	Value
SCS ID	SCS_5715
SCS Feature	6SE-D/FR 203
SCS Part	0
SCS Status	5
Checking Status	Feature modified/upgraded to current standard
Check Cert	GEO/MW 008/2007
Feature Remark	N/A
Reviewer	KONG KA FAI
GEO Reply	2007/02/12
Last Update	23-12-2005
Easting	826496
Northing	825588
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File Ref	GCMW 2/E1/6SE-D/FR203
ERKS File Ref	MW-30-2025-1-6SE-D/FR203
File Title	EMP (2003-2007) of Roadside Features in NT West for slope 6SE-D/FR203 (Agreement No. CE13/2003(GE)
Project Type	Public
File Ref Image	N/A

BASIC INFORMATION

Location: No. 311-313 Castle Peak Road, Ting Kau
Registration Date: 16-03-1998
Ranking Score (NPRS): 0 (EI)
Date of Formation: pre-1977
Date of Construction/ Modification: 31-05-2010
Data Source: AP
Approximate Coordinates: Easting : 826470 Northing : 825599

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Open car park
Distance of Facility from Crest (m): 0
Facility at Toe: Residential building
Distance of Facility from Toe (m): 3.5
Consequence-to-life Category: 1
Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3.3 Length (m): 13 Average Angle (deg): 45

WALL PART

(1) Max. Height (m): 4.3 Length (m): 13 Face Angle (deg): 75

MAINTENANCE RESPONSIBILITY

(1) Sub Div.: 0 Mixed Feature Party: Lands D Agent: Lands D Land Cat.: 1,5b(vi) Reason Code: 59 MR Endorsement Date: 29-04-2014
(2) Sub Div.: 0 Mixed Feature Party: STT1139TW Agent: N/A Land Cat.: 1,5b(vi) Reason Code: 3 MR Endorsement Date: 29-04-2014

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 08-02-2013
Data Source: AP
Slope Part Drainage: (1) Position: Berm Size(mm): 225
Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 0 Chunam: 0 Shotcrete: 100 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): 40 Spacing (m): 1.5



WALL PART

Wall Part (1)

Type of Wall: Wall Material: Concrete Wall Location: Retaining wall with level platform
Berm: No. of Berms: 2 Min. Berm Width (m): 2.5
Weepholes: Size (mm): 50 Spacing (m): 1.5

SERVICES

N/A

CHECKING STATUS INFORMATION

Tagmark: SCS_10491 Part: 0 Checking Status: Feature modified/upgraded to current standard Checking Certificate No.: GEO/MW 007/2013

BACKGROUND INFORMATION

GIU Cell Ref.: 6SE18D4
Map Sheet Reference (1:1000): 6SE-18D
Aerial Photos: Y08950-1 (1963),
Nearest Rainguage Station (Station Number): Emmanuel Primary School, 13 Miles, Castle Peak Road(N10)
Data Collected On: 08-02-2013
Date of Construction, Subsequent Modification and Demolition: Modification: Constructed Before: 1963 After: N/A

Related Reports/Files or Documents:	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW2/B2/200
	File/Report: Development	Ref. No.: GCMW5/3/16 PT.14f30,32 PT.5f112
	File/Report: Development	Ref. No.: GCMW5/3/16 PT.14f30,32 PT.5f112
	File/Report: LA	Ref. No.: GCMW5/3/16PT14f30,32 PT5f112
	File/Report: LA	Ref. No.: GCMW5/3/16PT14f30,32 PT5f112
	File/Report: LWC	Ref. No.: GC4/1/2-5f7A
	File/Report: LWC	Ref. No.: GC4/1/2-5f7A

Remarks: N/A

Follow Up Actions: N/A

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

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

LPMIS: Agreement No.: CE47/2005 Report No.: S2R18/2008

ENHANCED MAINTENANCE INFORMATION

From Maintenance Department: (Last Updated Date: 25/09/2025)

Upgraded by:

Prescriptive Design Using GEO Report No. 56: N/A

Non-prescriptive Design Including Conventional Design: Yes

Improved by:

Type 1 / Type 2 Prescriptive Measures: N/A

Type 3 Prescriptive Measures (not up to upgrading standard): N/A

Actual Completion Date: 31-05-2010

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Residential building

Distance from Toe(m): 3.5

Type of Crest Facility: Open car park

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

eLPMIS

LPM/LPMit Details Report

LPM Study Feature No.: 6SE-D/FR 57

Location: TING KAU, NO. 311-313 CASTLE PEAK ROAD

District Council: Tsuen Wan

Maintenance Responsibility (At the Time of Selection): Mixed

Responsible Party for Maintenance of Government Lands D

Portion:

Private Lot No.: STT1139TW

LPM/LPMit Study

Agreement No.:	CE47/2005
Study Type:	Stage 2 Study
Consultant:	Maunsell Geotechnical Services Ltd.
GEO Managing Section / Engineer:	SS / SS3
Study Status:	Study completed
Design Approach:	N/A
Option Assessment Accepted:	N/A
Study Report No.:	S2R18/2008
Programme / Actual Commencement:	23-01-2007
Programme / Actual Completion:	07-09-2008
Report Recommendation (For Stage 2 Study):	No action required
District Check Status:	Exempted from checking
Checking Certificate No.:	N/A
GEO Engineer's Remarks:	N/A

LPM/LPMit Works

Works Contract No.:	N/A
GEO Managing Section / Engineer:	N/A / N/A
Contractor:	N/A
Progress Status:	N/A
Reason of Study Termination / Works Deletion (If Necessary):	N/A
Forecast Commencement Date:	N/A
Forecast Completion Date:	N/A
Completion Cert. Issued:	N/A
Site Handed Over to Maintenance Department on:	N/A
Estimated Cost for Upgrading (HK\$M):	N/A
Maintenance Manual No.:	N/A
Actual Works:	N/A
No. of Tree Felled:	N/A
No. of Tree Planted (Incl. Transplant):	N/A
% Bare of Slope Surfacing:	N/A
% Vegetated of Slope Surfacing:	N/A
% Shotcrete of Slope Surfacing:	N/A
Other Hard Surface of Slope Surfacing:	N/A

PHOTO





Slope Checking Status

Name	Value
SCS ID	SCS_10491
SCS Feature	6SE-D/FR 57
SCS Part	0
SCS Status	5
Checking Status	Feature modified/upgraded to current standard
Check Cert	GEO/MW 007/2013
Feature Remark	GEO accepted the design report for feature no. 6SE-D/FR57 & 6SE-D/R158 on 10.2.2010.
Reviewer	CHAN HUNG WAI, CORN
GEO Reply	2013/02/04
Last Update	07-02-2013
Easting	826465
Northing	825607
-----	-----
File Ref	GCMW 2/E1/6SE-D/FR57
ERKS File Ref	MW-30-2025-1-6SE-D/FR57
File Title	Ag No. CE31/2006(GE), EMP, Design Report for feature no. 6SE-D/FR57 & 6SE-D/R158, No. 311-313, Castle Peak Road, Ting Kau
Project Type	Public
File Ref Image	Open Image

Appendix E

Extraction of Previous GI Records

VIBRO

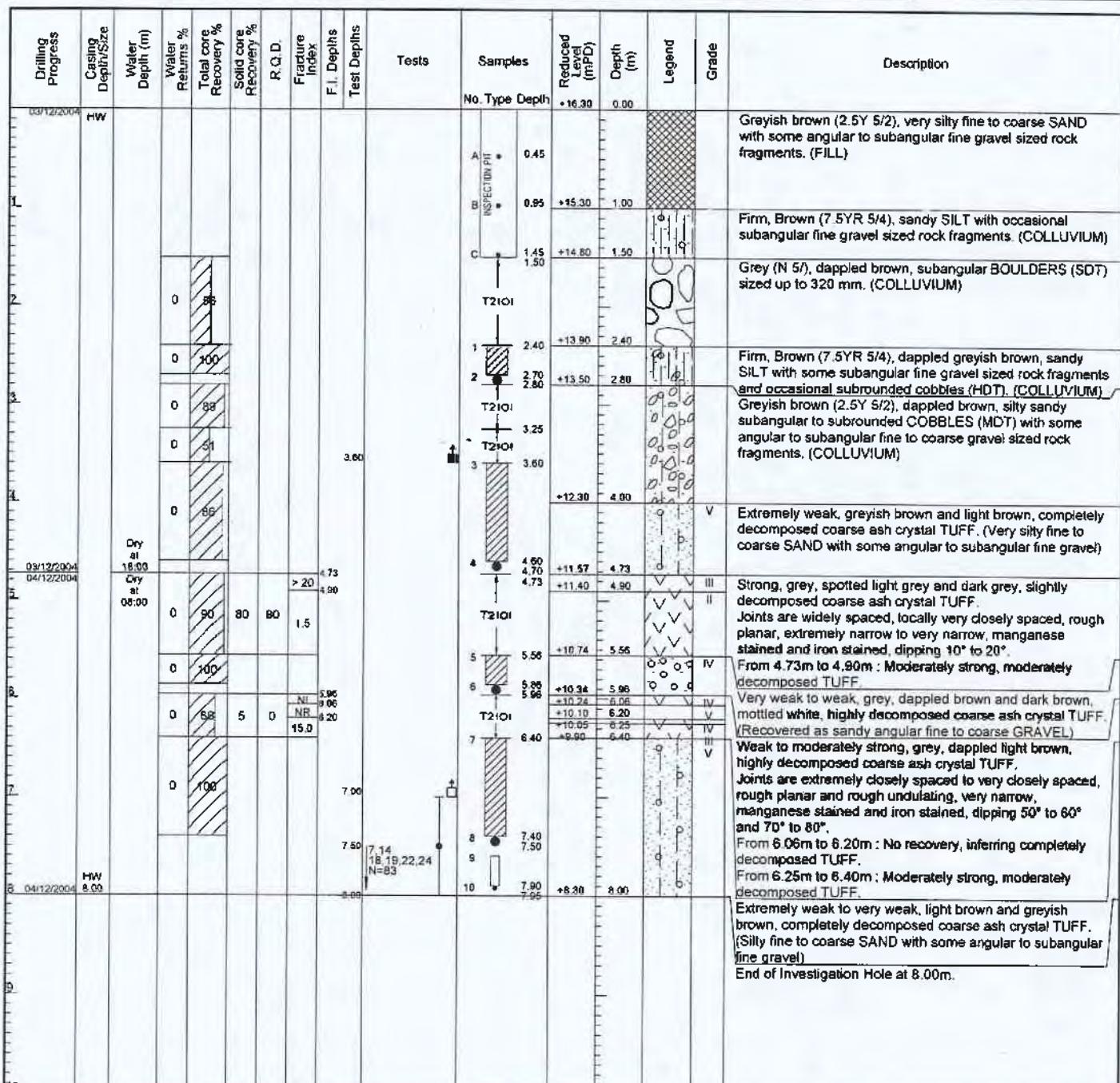
VIBRO (H.K.) LTD. SITE INVESTIGATION DEPARTMENT

DRILLHOLE No.
BH 1

DRILLHOLE RECORD

SHEET 1 OF 1

LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.					CONTRACT No.	GE/2004/06
METHOD	Rotary		CO-ORDINATES	E 826502.76		WORKS ORDER No.	GE/2004/06.40
MACHINE & No.	BM16				N 825582.87	DATE	03/12/2004 to 04/12/2004
FLUSHING MEDIUM	Foam		GROUND LEVEL	+ 16.30 mPD		ORIENTATION	Vertical



VIBRO

VIBRO (H.K.) LTD. SITE INVESTIGATION DEPARTMENT

COREHOLE RECORD

COREHOLE No.

HC 1

SHEET 1 OF 1

LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.				CONTRACT No.	GE/2004/05
METHOD	Rotary	CO-ORDINATES		E 826509.87	WORKS ORDER No.	GE/2004/06.40
MACHINE & No.	HD 9			N 825575.71	DATE	30/11/2004 to 01/12/2004
FLUSHING MEDIUM	Water	GROUND LEVEL		+ 12.18 mPD	ORIENTATION/DIP	030°/00°

Drilling Progress	Casing Depth/Size	Water Depth (m)	Water Returns %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	F.I. Depths	Test Depths	Tests	Samples	No. Type Depth	Reduced Level (mPD)	Depth (m)	Legend	Grade	Description	
30/11/2004	NW			100														Reddish grey (10R 6/1), GRANITE MASONRY BLOCKS. (MASONRY WALL)
				69														Grey (N 5), angular COBBLES sized cement mortar with some angular to subangular fine to coarse gravel sized rock fragments. (RETAINING WALL)
				50														Greyish brown (2.5Y 5/2), subangular COBBLES (MDT). (COLLUVIAL)
				87														Firm, brown (7.5YR 5/4), sandy SILT with occasional angular to subangular fine to medium gravel sized rock fragments. (COLLUVIAL)
				78														Greyish brown (2.5Y 5/2), subangular BOULDERS (MDT) sized up to 250 mm with some subangular cobbles and some subangular fine to coarse gravel sized rock fragments. (COLLUVIAL)
				100														Firm, Greyish brown (2.5Y 5/2), sandy SILT with occasional angular to subangular fine gravel sized rock fragments. (COLLUVIAL)
30/11/2004																		
01/12/2004																		
				83														Greyish brown (2.5Y 5/2), subangular COBBLES (MDT) with some angular to subangular fine to coarse gravel sized rock fragments. (COLLUVIAL)
				84														Firm, Brown (7.5YR 5/4), slightly sandy SILT with occasional subangular fine gravel sized rock fragments. (COLLUVIAL)
																		Greyish brown (2.5Y 5/2), silty fine to coarse SAND with some angular to subangular fine to coarse gravel sized rock fragments and occasional subangular cobbles (MDT). (COLLUVIAL)
																		Greyish brown (2.5Y 5/2), subangular COBBLES (MDT) with some angular to subangular fine to coarse gravel sized rock fragments. (COLLUVIAL)
																		Greyish brown (2.5Y 5/2), very silty fine to coarse SAND with much angular to subangular fine to medium gravel sized rock fragments. (COLLUVIAL)
																		Firm, Brown (7.5YR 5/4), slightly sandy SILT with occasional subangular fine gravel sized rock fragments. (COLLUVIAL)
																		Extremely weak, greyish brown, completely decomposed coarse ash crystal TUFF. (Sandy SILT with occasional angular to subangular fine gravel)
																		End of Corehole at 6.20m.
01/12/2004	NW	6.20																

Small disturbed sample	Water sample
Large disturbed sample	Piezometer tip
SPT liner sample	Standpipe tip
U64 undisturbed sample	Standard penetration test
U76 undisturbed sample	Pressuremeter test
U100 undisturbed sample	Water absorption test or Permeability test
Mazier sample	Sonic televiewer test
Piston sample	Impression packer test
Environmental Sample	In-situ vane shear test

LOGGED T. C. Yip

DATE 18/12/2004

CHECKED G. Whatmore

DATE 22/12/2004

REMARKS

VIBRO

VIBRO (H.K.) LTD.
SITE INVESTIGATION DEPARTMENT
COREHOLE RECORD

COREHOLE No.

SURVEYOR'S RECORD					Sheet 1 of 1
LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.			CONTRACT No.	GE/2004/06
METHOD	Rotary	CO-ORDINATES	E 826502.98	WORKS ORDER No.	GE/2004/06.40
MACHINE & No.	HD 9		N 825579.84	DATE	01/12/2004 to 02/12/2004
FLUSHING MEDIUM	Water	GROUND LEVEL	+ 12.15 mPD	ORIENTATION/DIP	030°/00°

- Small disturbed sample
- Large disturbed sample
- SPT liner sample
- U64 undisturbed sample
- U76 undisturbed sample
- U100 undisturbed sample
- Mazier sample
- Piston sample
- Environmental Sample

- ▲ Water sample
- ▲ Piezometer tip
- Standpipe tip
- ↓ Standard penetration test
- ↓ Pressuremeter test
- ↓ Water absorption test or Permeability test
- ↓ Sonic televiewer test
- ↓ Impression packer test
- ▼ In-situ vane shear test

LOGGED T. C. Yin

DATE 18/12/2004

CHECKED G. Whatmore

2010-01-01

REMARKS



VIBRO (H.K.) LTD.
SITE INVESTIGATION DEPARTMENT
COREHOLE RECORD

COREHOLE No.
IC 1

COREHOLE RECORD					SHEET 1 OF 1
LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.			CONTRACT No.	GE/2004/06
METHOD	Rotary	CO-ORDINATES	E 826509.62	WORKS ORDER No.	GE/2004/06.40
MACHINE & No.	HD 9		N 825575.89	DATE	02/12/2004 to 03/12/2004
FLUSHING MEDIUM	Water	GROUND LEVEL	+ 12.20 mPD	ORIENTATION/DIP	030°/40°

				REMARKS
●	Small disturbed sample	▲	Water sample	
●	Large disturbed sample	□	Piezometer tip	
□	SPT liner sample	■	Standpipe tip	
■	U64 undisturbed sample	↓	Standard penetration test	
■	U76 undisturbed sample	↓	Pressuremeter test	
■	U100 undisturbed sample	↓	Water absorption test or Penetability test	
■	Mazier sample	↓	Sonic televiewer test	
■	Piston sample	↓	Impression packer test	
■	Environmental Sample	▼	In-situ vane shear test	
		LOGGED	T. C. Yip	
		DATE	17/12/2004	
		CHECKED	G. Whatmore	
		DATE	22/12/2004	

VIBRO

VIBRO (H.K.) LTD. SITE INVESTIGATION DEPARTMENT

COREHOLE No.
IC 2

COREHOLE RECORD

SHEET 1 OF 1

LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.				CONTRACT No.	GE/2004/06
METHOD	Rotary		CO-ORDINATES	E 826503.41	WORKS ORDER No.	GE/2004/06.40
MACHINE & No.	HD 3		N 825579.64		DATE	04/12/2004 to 04/12/2004
FLUSHING MEDIUM	Water		GROUND LEVEL	+ 12.17 mPD	ORIENTATION/DIP	030°/40°

Drilling Progress	Casing Depth/Size	Water Depth (m)	Water Returns %	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	F.I. Depths	Test Depths	Tests	Description															
											No.	Type	Depth	Reduced Level (mPD)	Depth (m)	Legend	Grade									
04/12/2004	NW	6.00																								
											1	•	0.49	0.00	0.00	0.00	0.00									
											2	•	0.95	+11.86	0.50	0.50	0.50									
											3	•	1.45	+11.21	1.50	1.50	1.50									
											4	•	1.95	2.00	2.00	2.00	2.00									
											5	•	2.45	2.50	2.50	2.50	2.50									
											6	•	2.85	+10.24	3.00	3.00	3.00									
											7	•	3.45	3.50	3.50	3.50	3.50									
											8	•	3.95	4.00	4.00	4.00	4.00									
											9	•	4.45	4.50	4.50	4.50	4.50									
6 04/12/2004	NW	6.00									10	•	4.95	5.00	+8.96	5.00	V									
											NW						III									
															Moderately strong to strong, grey, dappled brown, spotted green and dark green, moderately decomposed coarse ash crystal TUFF. Joints are very closely spaced to closely spaced, rough planar and rough stepped, extremely narrow to very narrow, manganese stained and iron stained.											
															End of Corehole at 6.00m.											

Small disturbed sample	Water sample	LOGGED	T. C. Yip	REMARKS
Large disturbed sample	Piezometer tip			
SPT liner sample	Standpipe tip			
U64 undisturbed sample	Standard penetration test			
U76 undisturbed sample	Pressuremeter test			
U100 undisturbed sample	Water absorption test or Permeability test			
Mazier sample	Sonic televiewer test			
Piston sample	Impression packer test			
Environmental Sample	In-situ vane shear test			
		DATE	18/12/2004	
		CHECKED	G. Whatmore	
		DATE	22/12/2004	



VIBRO (H.K.) LTD.
SITE INVESTIGATION DEPARTMENT

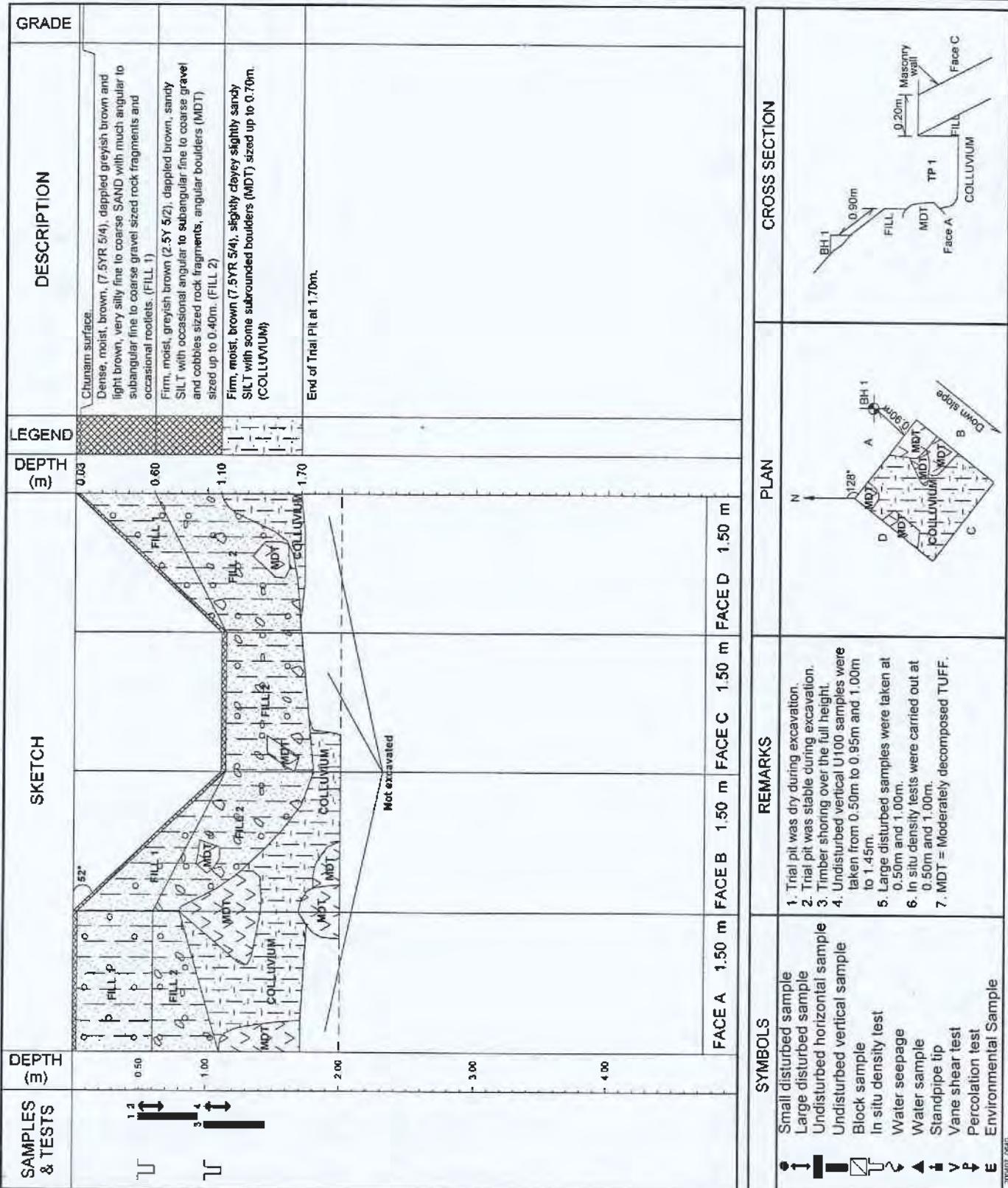
TRIAL PIT No.:

TP 1

TRIAL PIT RECORD

SHEET 1 OF 1

LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.			CONTRACT No.	GE/2004/06
EXCAVATION STARTED ON	09/12/2004	CO-ORDINATES	E 826501.95	WORKS ORDER No.	GE/2004/06.40
EXCAVATION COMPLETED ON	14/12/2004		N 825582.05	LOGGED BY	T. C. Yip
				DATE	14/12/2004
BACKFILLED ON	18/12/2004	GROUND LEVEL	+ 14.80 mPD	CHECKED BY	G. Whatmore
				DATE	15/12/2004



VIBRO

VIBRO (H.K.) LTD.
SITE INVESTIGATION DEPARTMENT
TRIAL TRENCH RECORD

TRIAL TRENCH RECORD

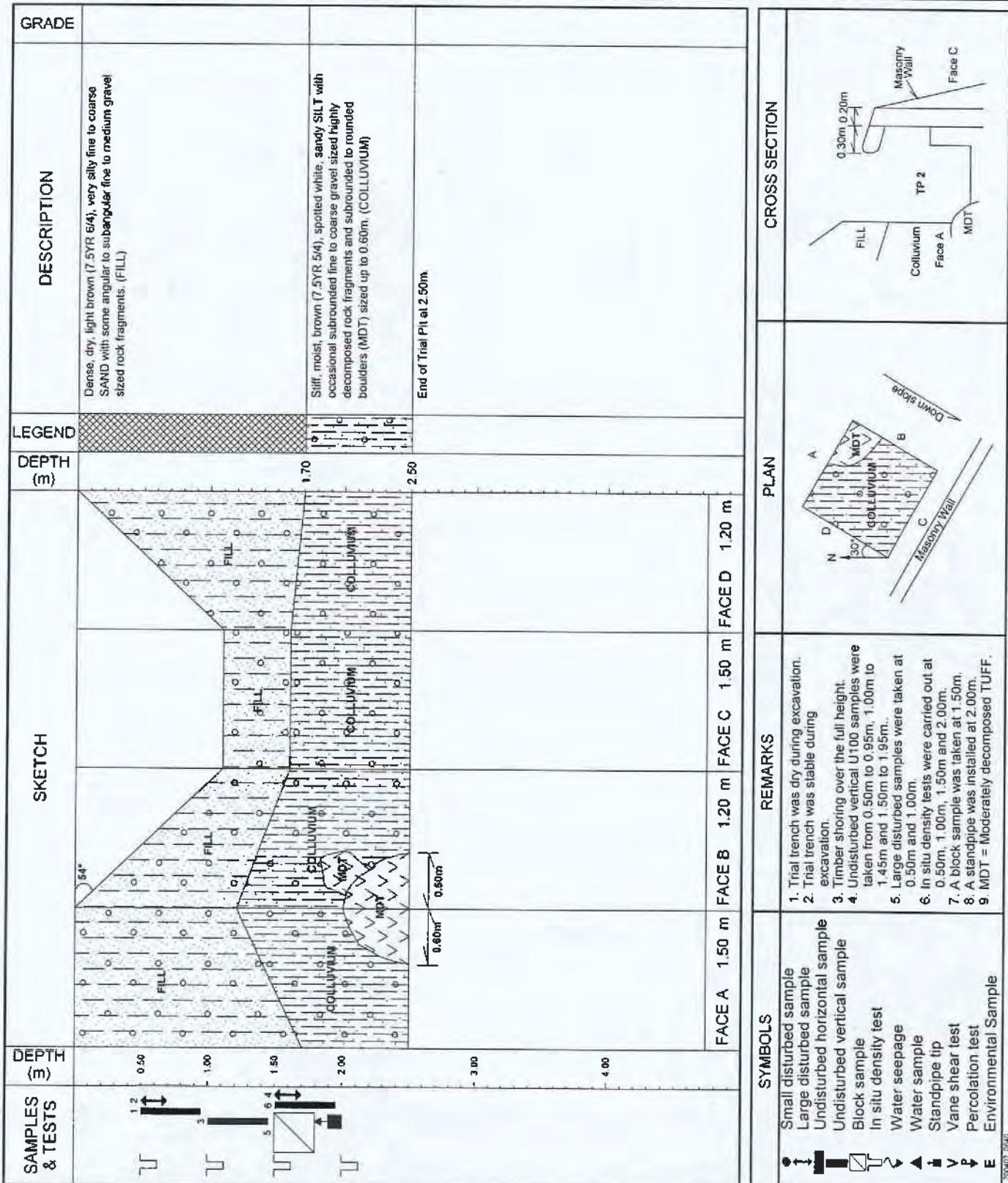
TRIAL TRENCH RECORD

TRIAL TRENCH No.:

TP 2

SHEET 1 OF 1

LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.			CONTRACT No.	GE/2004/06
EXCAVATION STARTED ON	30/11/2005	CO-ORDINATES	E 826506.88	WORKS ORDER No.	GE/2004/06.40
EXCAVATION COMPLETED ON	04/12/2004		N 825578.99	LOGGED BY	T. C. Yip
				DATE	14/12/2004
BACKFILLED ON	17/12/2004	GROUND LEVEL	+ 14.54 mPD	CHECKED BY	G. Whalmore
				DATE	15/12/2004



VIBRO

VIBRO (H.K.) LTD.

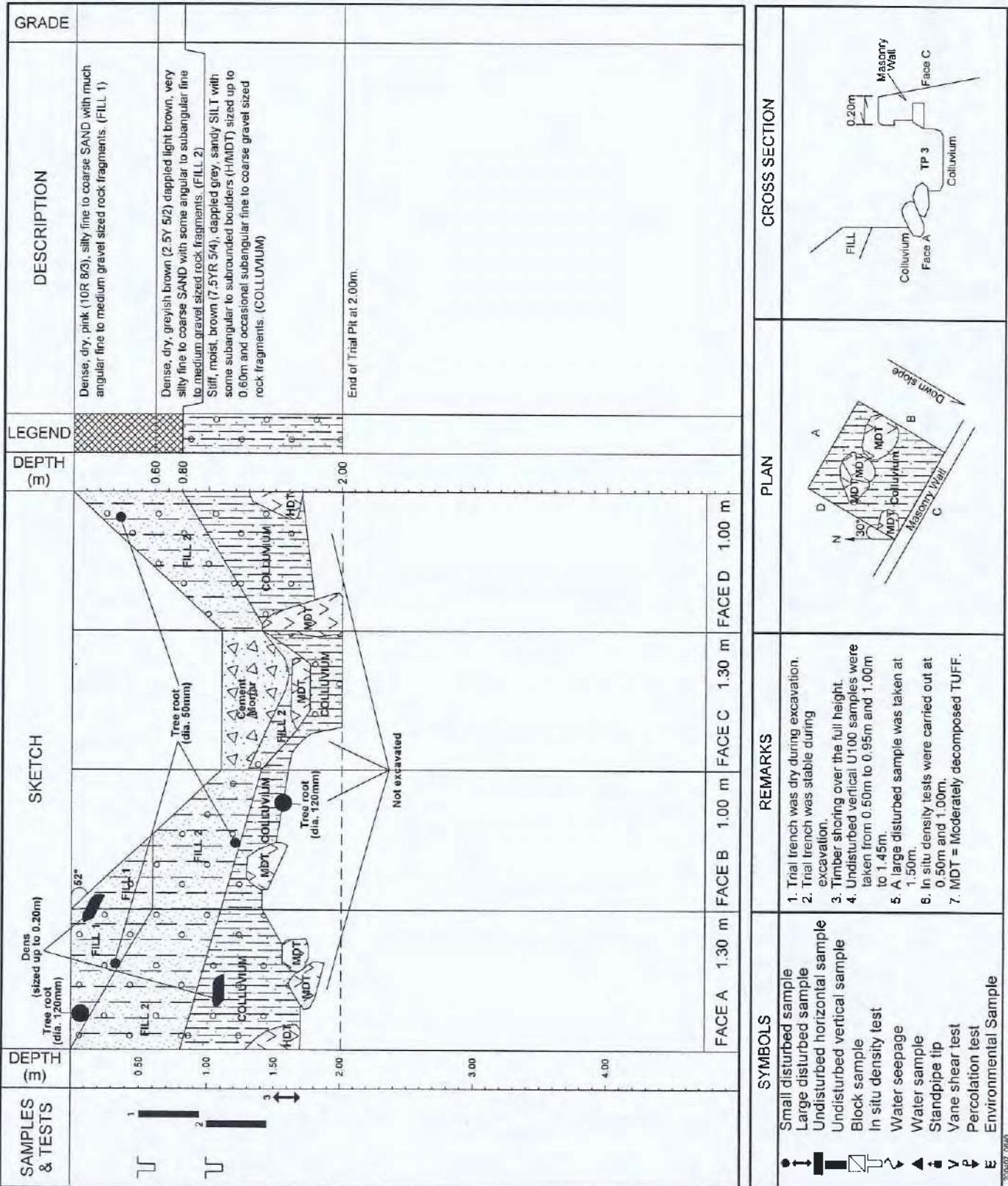
SITE INVESTIGATION DEPARTMENT

TRIAL TRENCH RECORD

TRIAL TRENCH No.:

TP 3

LOCATION	Rose Villa, 309 Castle Peak Road, Tung Kau, N. T.			CONTRACT No.	GE/2004/06
EXCAVATION STARTED ON	02/12/2004	CO-ORDINATES	E 826512.16	WORKS ORDER No.	GE/2004/06.40
EXCAVATION COMPLETED ON	06/12/2004		N 825575.52	LOGGED BY	T. C. Yip
				DATE	14/12/2004
BACKFILLED ON	18/12/2004	GROUND LEVEL	+ 14.46 mPD	CHECKED BY	G. Whitmore
				DATE	15/12/2004





VIBRO (H.K.) LTD.
SITE INVESTIGATION DEPARTMENT

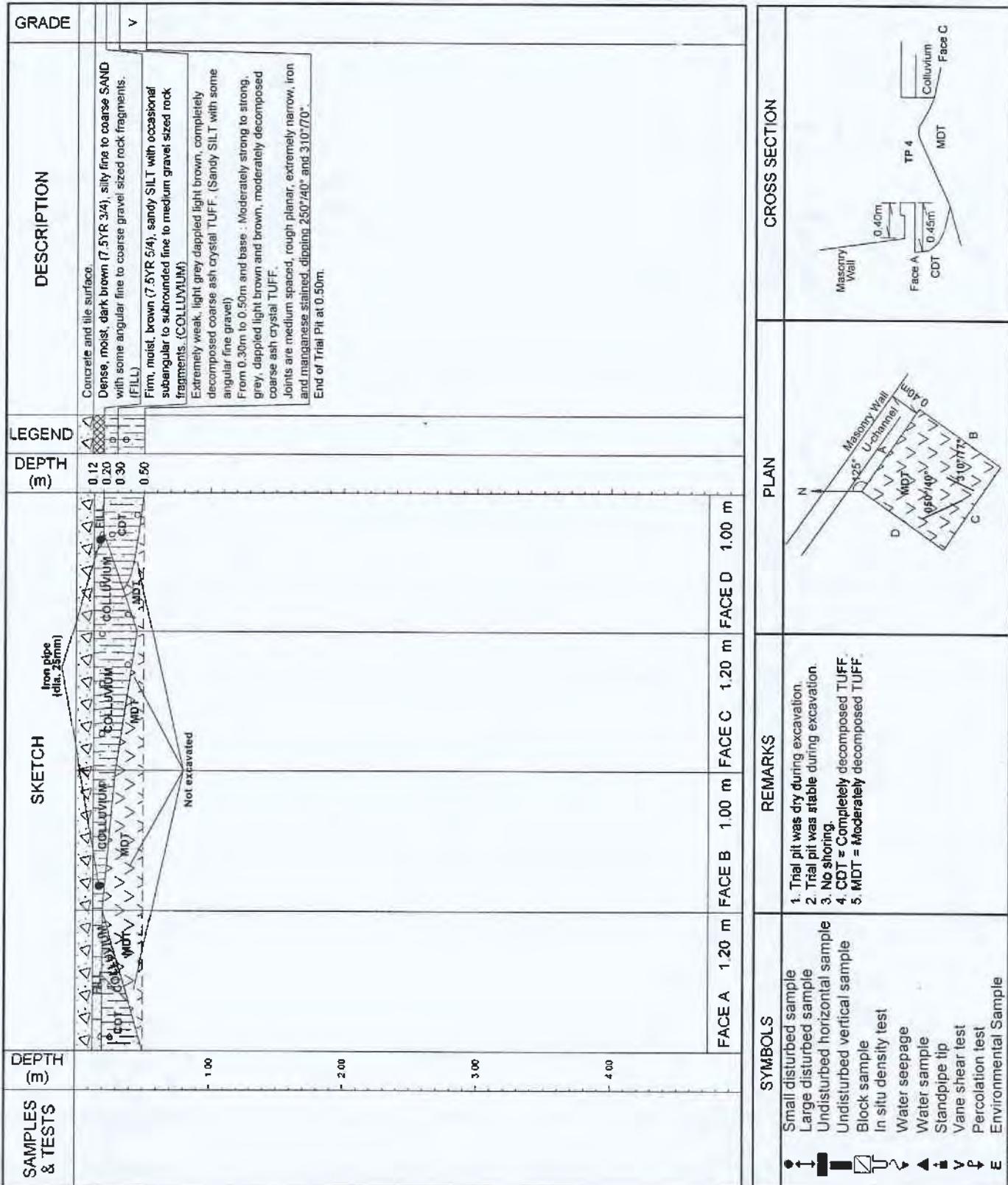
TRIAL PIT No.:

TP 4

TRIAL PIT RECORD

SHEET 1 OF 1

LOCATION	Rose Villa, 309 Castle Peak Road, Ting Kau, N. T.			CONTRACT No.	GE/2004/06
EXCAVATION STARTED ON	28/12/2004	CO-ORDINATES		WORKS ORDER No.	GE/2004/06.40
EXCAVATION COMPLETED ON	29/12/2004			LOGGED BY	T. C. Yip
BACKFILLED ON	15/01/2005	GROUND LEVEL	+ 11.26 mPD	DATE	03/01/2005
				CHECKED BY	G. Whatmore
				DATE	04/01/2005





GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.
GROUND INVESTIGATION DEPARTMENT

HOLE NO.
DH3

SHEET 3 OF 5

CONTRACT NO. GE/2001/14

PROJECT Ting Kau and Sham Tsang Village Sewage Schemes Ground Investigation

METHOD	Rotary Cored	CO-ORDINATES E 826446.56 N 825568.57	WORKS ORDER NO. GE/2001/14.57
MACHINE & NO.	DR128		DATE FROM 18/02/2003 TO 22/02/2003
FLUSHING MEDIUM	Air Foam	ORIENTATION	GROUND LEVEL 4.98 mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
20	HX	1.80m at 18:00 20/2/2003 2.40m at 08:00							-15.22	20.20	-		See sheet 2 of 5 for details.
21								34	-15.22	20.20	-		Extremely weak to very weak, yellowish brown (10YR 5/4) spotted white, completely to highly decomposed, fine to medium grained GRANITE. (Silty fine to coarse SAND with some subangular fine to medium gravel sized quartz and rock fragments)
22								35	-20.32	20.90	-		Moderately weak, yellowish brown spotted white, moderately to highly decomposed, fine to medium grained GRANITE.
23									-15.92	20.90	-		Joints are very closely spaced, smooth undulating and rough planar, extremely narrow to very narrow, iron and manganese oxide stained, soil (<1mm thick) infilled, locally kaolin (<0.5mm thick) infilled, dipping at 0° to 10°, 10° to 20° and 50° to 60°.
24									-16.62	21.60	-		From 20.90m to 21.60m : Highly fractured with some medium gravel sized quartz fragments from 20.90m to 21.05m.
25									-17.22	22.20	-		From 21.60m to 22.20m : No core recovered, assumed to be completely to highly decomposed granite.
26									-17.82	22.80	-		No core recovered, assumed to be completely to highly decomposed GRANITE.
27									-18.02	23.00	-		Weak to very weak, yellowish brown (10YR 5/5) spotted brown and white, highly to completely decomposed, fine to medium grained GRANITE. (Slightly sandy angular fine to coarse GRAVEL with some cobble sized moderately weak rock fragments)
28									-18.12	24.10	-		Moderately weak, yellowish brown, locally spotted white, moderately to highly decomposed, highly fractured, fine to medium grained GRANITE.
29									-18.24	24.22	-		From 24.12m to 24.22m : With some subangular coarse gravel sized quartz fragments.
30									-19.52	24.50	-		From 24.22m to 24.50m : No core recovered, assumed to be completely to highly decomposed granite.
31									-19.64	24.62	-		No core recovered, assumed to be completely to highly decomposed GRANITE.
32									-19.82	24.80	-		Very weak, yellowish brown (10YR 5/4) mottled brown, completely to highly decomposed, fine to medium grained GRANITE. (Slightly silty fine to coarse SAND with much angular fine to coarse gravel sized weak and moderately weak rock fragments)
33									-20.00	25.00	-		From 24.80m to 25.00m : With some cobble sized moderately weak rock fragments.
34									-20.32	25.32	-		
35									-20.52	25.52	-		
36									-20.82	25.82	-		
37									-21.02	26.00	-		
38									-21.22	26.20	-		
39									-21.52	26.50	-		
40									-21.82	26.80	-		
41									-22.02	27.00	-		
42									-22.22	27.20	-		
43									-22.52	27.50	-		
44									-22.82	27.80	-		
45									-23.02	28.00	-		
									-23.22	28.20	-		
									-23.52	28.50	-		
									-23.82	28.80	-		
									-24.02	29.00	-		
									-24.22	29.20	-		
									-24.52	29.50	-		
									-24.82	29.80	-		
									-25.02	29.90	-		

• SMALL DISTURBED SAMPLE	△ WATER SAMPLE
□ LARGE DISTURBED SAMPLE	▲ PIROMETER TIP
□ SPT LINER SAMPLE	▲ STANDPIPE
□ U70 UNDISTURBED SAMPLE	↓ STANDARD PENETRATION TEST
■ U100 UNDISTURBED SAMPLE	— PERMEABILITY TEST
■ MAZIER SAMPLE	— IMPRESSION PACKER TEST
■ PISTON SAMPLE	✓ IN-SITU VANE SHEAR TEST
	■ PCKER TEST

LOGGED K.M. To *J*
DATE 24/02/2003
CHECKED James Lu *J*
DATE 25/02/2003

REMARKS



GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.
GROUND INVESTIGATION DEPARTMENT

HOLE NO.
DH3

SHEET 4 OF 5

DRILLHOLE RECORD

CONTRACT NO. GE/2001/14

PROJECT Ting Kau and Sham Tseng Village Sewerage Schemes Ground Investigation

METHOD				CO-ORDINATES				WORKS ORDER NO.			
DR128				E 826446.58				GE/2001/14.57			
MACHINE & NO.				N 825568.57				DATE FROM 18/02/2003 TO 22/02/2003			
FLUSHING MEDIUM				ORIENTATION				GROUND LEVEL 4.98 mPD			

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description											
													30	31	32	33	34	35	36	37	38	39	40	
	HX 30.30	1.90m at 18:00	88	0	0	NI		T201	-25.07	30.05			VII/V											
		2.50m at 06:00	72	11	11	NI			-25.32	30.30	+	+	VII/V											
						NR					+	+	III											
			96	0	0	NI			-25.97	30.95	+	+	VII/V											
			97	14	0				-26.22	31.20	+	+	III											
			100	0	0				-26.72	31.70	+	+												
						>20					+	+	IV/III											
			95	59	14	12.5					+	+	III/IV											
						>20					+	+	III/IV											
						13.3					+	+	III/IV											
			94	75	38	6.2					+	+	II											
			100	100	94	3.9					+	+	III/IV											
											+	+	II											
			2.00m at 18:00								+	+	III/IV											
			2.45m at 06:00	100	100	93	1.4				+	+	II											
						7.5					+	+	III/IV											
			100	100	100	1.0					+	+	II											
			1.80m at 12:00																					

- SMALL DISTURBED SAMPLE
- △ WATER SAMPLE
- LARGE DISTURBED SAMPLE
- ▲ PIEZOMETER TIP
- SPT LINER SAMPLE
- STANDPIPE
- U176 UNDISTURBED SAMPLE
- ↓ STANDARD PENETRATION TEST
- U100 UNDISTURBED SAMPLE
- PERMEABILITY TEST
- MAZIER SAMPLE
- II IMPRESSION PACKER TEST
- IN-SITU VANE SHEAR TEST
- PISTON SAMPLE
- I PACKER TEST

LOGGED K.M. To *To*
DATE 24/02/2003
CHECKED James Lu *JL*
DATE 25/02/2003

REMARKS

To

JL



GEOTECHNICS & CONCRETE ENGG. (H.K.) LTD.
GROUND INVESTIGATION DEPARTMENT

HOLE NO.
DH3

SHEET 5 OF 5

DRILLHOLE RECORD

CONTRACT NO. GE/2001/14

PROJECT Ting Kau and Sham Tseng Village Sewerage Schemes Ground Investigation

METHOD		Rotary Cored	CO-ORDINATES E 826446.58 N 825568.57			WORKS ORDER NO. GE/2001/14.57		
MACHINE & NO.		DR128				DATE FROM 18/02/2003 TO 22/02/2003		
FLUSHING MEDIUM		Air Foam	ORIENTATION Vertical			GROUND LEVEL	4.98	mPD

Drilling Progress	Casing size	Water level (m) & Time	Total core Recovery %	Solid core Recovery %	R.Q.D.	Fracture Index	Tests	Samples	Reduced Level	Depth (m)	Legend	Grade	Description
4													moderately decomposed. From 34.50m to 34.70m : A sandy clay (<5mm thick) infilled joint, dipping at 60° to 70°. From 34.74m to 34.81m : Moderately strong and moderately decomposed. From 36.40m to 36.53m : Coarse grained granite. From 36.66m to 36.93m : With some randomly orientated calcite filled microfractures. From 37.20m to 38.53m : Sheared and slightly chloritized. From 37.33m to 37.49m : Moderately weak and moderately to highly decomposed. From 37.49m to 37.71m : Moderately strong and moderately decomposed. From 38.10m to 38.31m : A sheared plane, dipping at 60° to 70°. Hole completed at 38.53m.
42													
43													
44													
45													
46													
47													
48													
49													
50													

<input checked="" type="checkbox"/> SMALL DISTURBED SAMPLE <input type="checkbox"/> LARGE DISTURBED SAMPLE <input type="checkbox"/> SPT LINER SAMPLE <input checked="" type="checkbox"/> U76 UNDISTURBED SAMPLE <input checked="" type="checkbox"/> U100 UNDISTURBED SAMPLE <input checked="" type="checkbox"/> MAZIER SAMPLE <input type="checkbox"/> PISTON SAMPLE	<input type="checkbox"/> WATER SAMPLE <input checked="" type="checkbox"/> PIEZOMETER TIP <input type="checkbox"/> STANDPIPE <input type="checkbox"/> STANDARD PENETRATION TEST <input type="checkbox"/> PERMEABILITY TEST <input checked="" type="checkbox"/> IMPRESSION PACKER TEST <input checked="" type="checkbox"/> IN-SITU VANE SHEAR TEST <input type="checkbox"/> PACKER TEST	LOGGED <u>K.M. To</u> <i>20</i>	REMARKS
		DATE <u>24/02/2003</u>	
		CHECKED <u>James Lu</u> <i>21</i>	
		DATE <u>25/02/2003</u>	

Appendix F

Records Retrieved from Lands Department (LandsD)



To Chief Geotechnical Engineer (Slope Maintenance Section), Lands Department

GEO Checking Certificate for Slopes and Retaining Walls
(Ref. GEO/MW007/2013)

Agreement No. and Title : CE 31/2006 (GE), ENHANCED MAINTENANCE PROGRAMME

UPGRADING/IMPROVEMENT WORKS TO

LANDS DEPARTMENT SLOPES IN THE TSUEN WAN AND

OUTLYING ISLANDS DISTRICTS -

INVESTIGATION, DESIGN AND CONSTRUCTION

Contract No. and Title : 10/LANDS/07, UPGRADING/IMPROVEMENT WORKS TO

LANDS DEPARTMENT SLOPES IN THE TSUEN WAN AND

OUTLYING ISLANDS DISTRICTS

Appendix A : Certificate of Design and Completion/Stability Assessment* of Slopes and Retaining Walls (Submitted by the Project or Maintenance Department/Office or their Consultants) (Feature No. 6SE-D/FR57)

1. I confirm that the design/stability assessment* of the geotechnical features included in the Certificate of Design and Completion/Stability Assessment* of Slopes and Retaining Walls as given in Appendix A has been found to be satisfactory under the Geotechnical Engineering Office's checking requirements.

Signed : 
(P.L.R. PANG)

Deputy Head of Geotechnical Engineering Office/Mainland Civil Engineering and Development Department

Date : 4. 2. 2013

* Delete whichever is not applicable.

File ref. : GCMW 2/E1/6SE-D/R158

To Chief Geotechnical Engineer (Slope Maintenance Section), Lands Department

GEO Checking Certificate for Slopes and Retaining Walls
(Ref. GEO/MW008/2013)

Agreement No. and Title : CE 31/2006 (GE), ENHANCED MAINTENANCE PROGRAMME
UPGRADING/IMPROVEMENT WORKS TO
LANDS DEPARTMENT SLOPES IN THE TSUEN WAN AND
OUTLYING ISLANDS DISTRICTS -
INVESTIGATION, DESIGN AND CONSTRUCTION

Contract No. and Title : 10/LANDS/07, UPGRADING/IMPROVEMENT WORKS TO
LANDS DEPARTMENT SLOPES IN THE TSUEN WAN AND
OUTLYING ISLANDS DISTRICTS

Appendix A : Certificate of Design and Completion/Stability Assessment* of Slopes and Retaining Walls (Submitted by the Project or Maintenance Department/Office or their Consultants) (Feature No. 6SE-D/R158)

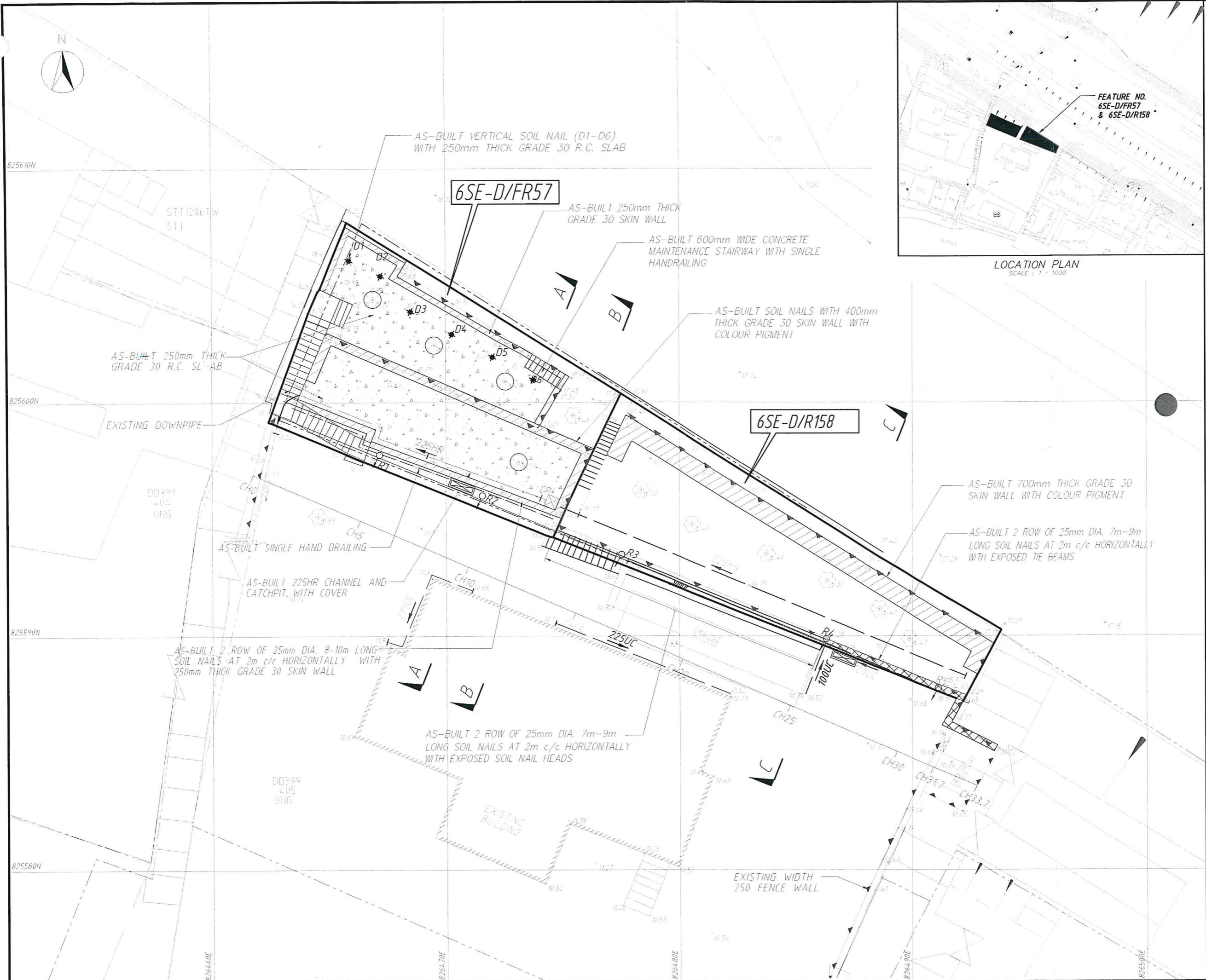
1. I confirm that the design/stability assessment* of the geotechnical features included in the Certificate of Design and Completion/Stability Assessment* of Slopes and Retaining Walls as given in Appendix A has been found to be satisfactory under the Geotechnical Engineering Office's checking requirements.

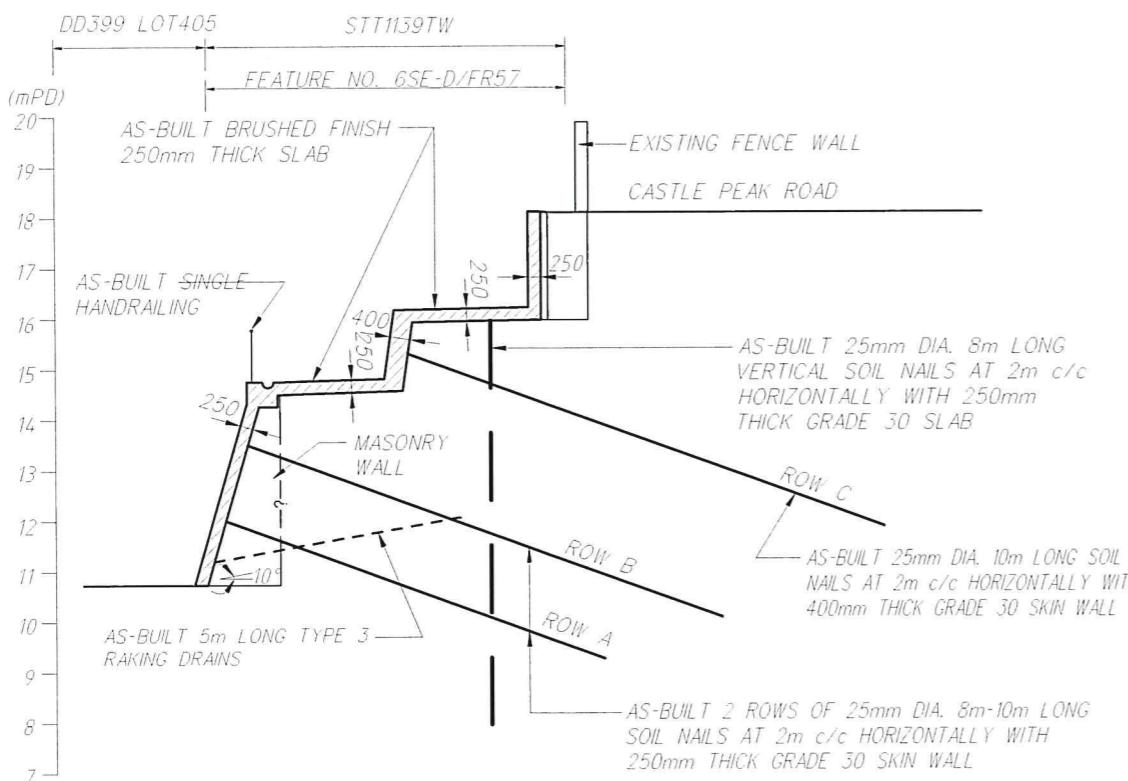
Signed : 
(P.L.R. PANG)

Deputy Head of Geotechnical Engineering Office/Mainland Civil Engineering and Development Department

Date : 4.2.2013

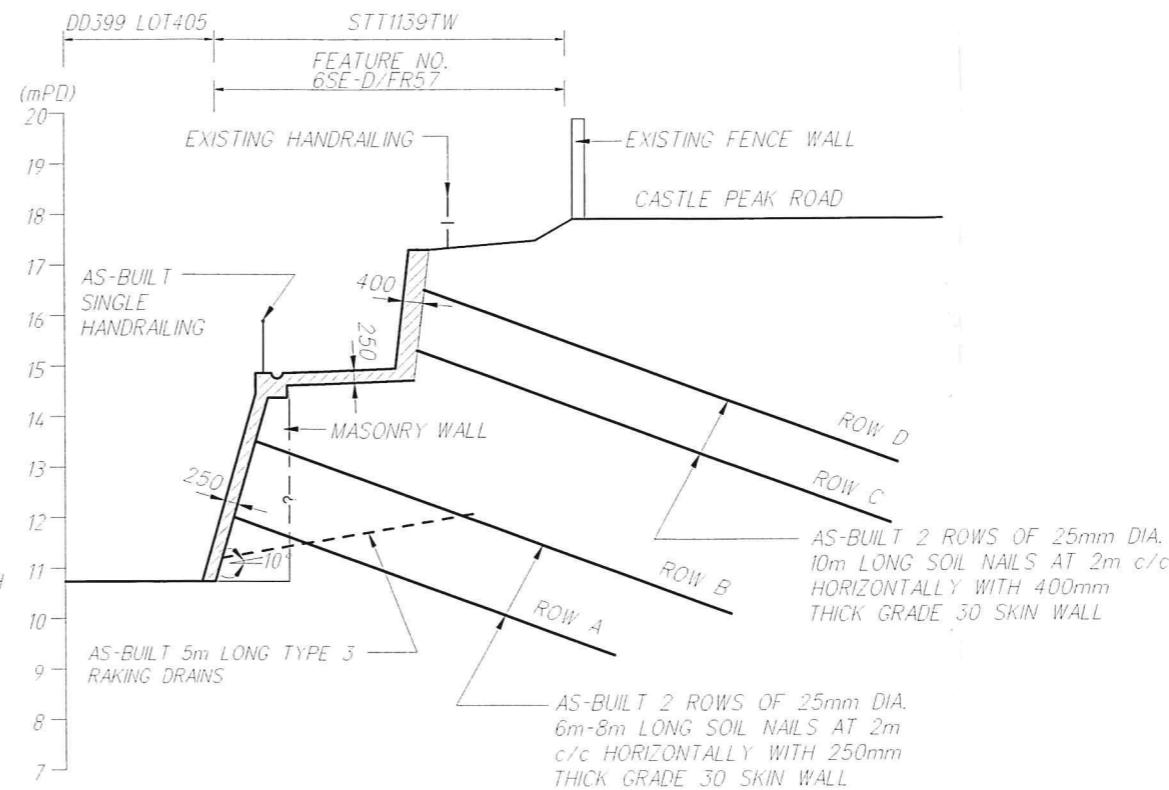
* Delete whichever is not applicable.





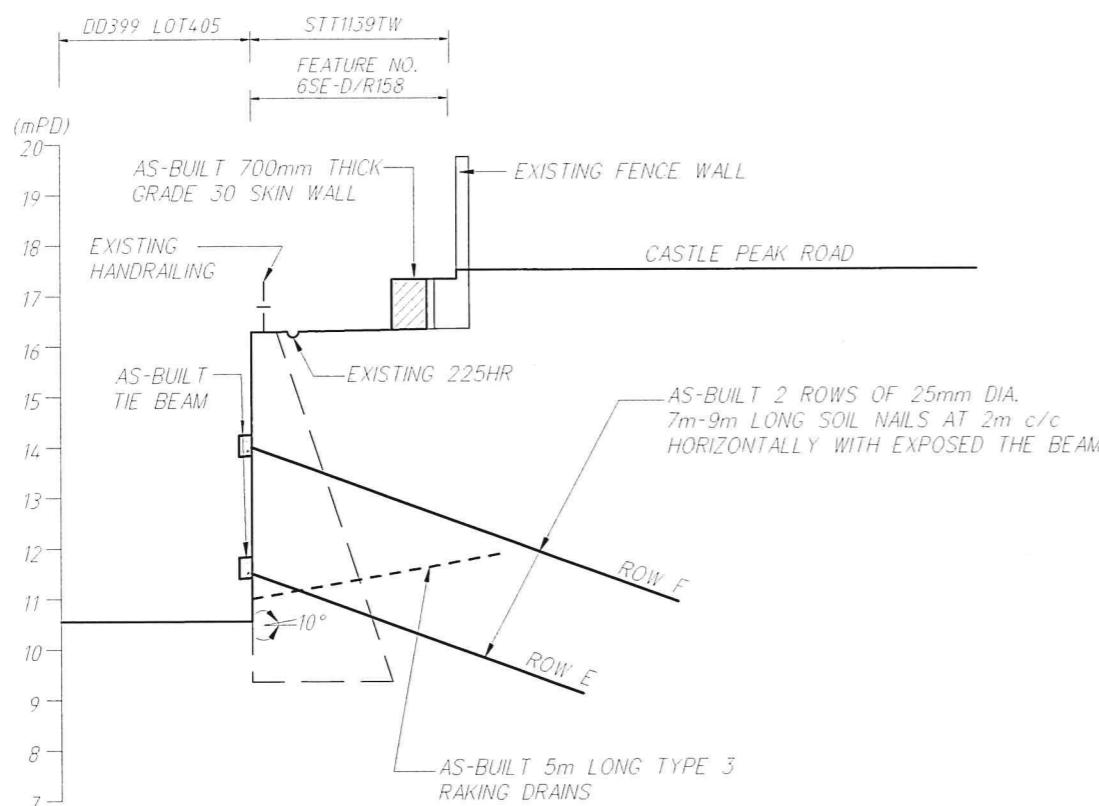
SECTION A-A

SCALE 1 :150



SECTION B-B

SCALE 1 :150



SECTION C-C

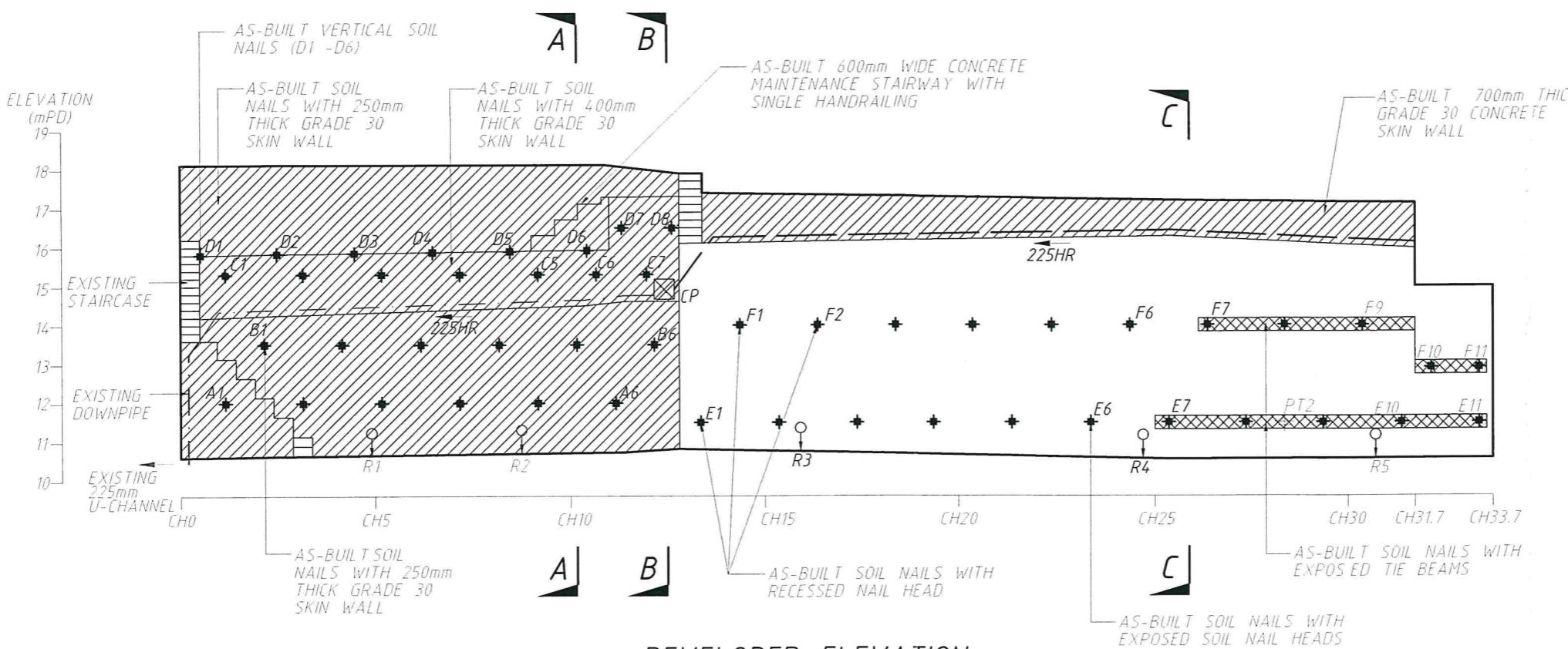
SCALE 1 : 1

—		AS-BUILT DRAWING	DLB (SA,FS)	
No	Date	Description	Name, Post, company	
Drawn		Name	Company	Post
Checked	DEREK LAI	FS	SA	Draftsman
Contract No.				
10/LANDS/07				
Drawing no.		Rev.	Scale	
AS/414/02		0	1:150	
Drawing Title				
FEATURE NO 6SE-D/FR57 & 6SE-D/R158 TING KAU, NO.311-313 CASTLE PEAK ROAD SECTIONS (AS-BUILT)				
Contractor				
Fuk Shing Engineering Company Limited				
LANDS ADMINISTRATION OFFICE SLOPE MAINTENANCE SECTION				
 地政總署 Lands Department				
AECOM				

NOTES:

1. THIS DRAWING WAS READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, STANDARD DRAWINGS, THE SPECIFICATIONS AND INSTRUCTIONS ISSUED BY THE ENGINEER.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
3. ALL LEVELS ARE IN METRES ABOVE P.D.

LEGEND:	
—	FEATURE BOUNDARY
◆◆	AS-BUILT SOIL NAILS
AA	SECTION MARK A-A
CH0 CH1	CHAINAGE (m)
225HR	EXISTING 225mm HALF ROUND CHANNEL
225HR	AS-BUILT 225mm HALF ROUND CHANNEL
---	EXISTING SLOPE
---	AS-BUILT GRADE 30 SKIN WALL WITH COLOUR PIGMENT
---	AS-BUILT BEAM GRADE 30 TIE BEAM
○	AS-BUILT 5m LONG TYPE 3 RAKING DRAIN
CP	AS-BUILT CATCHPIT WITH COVER

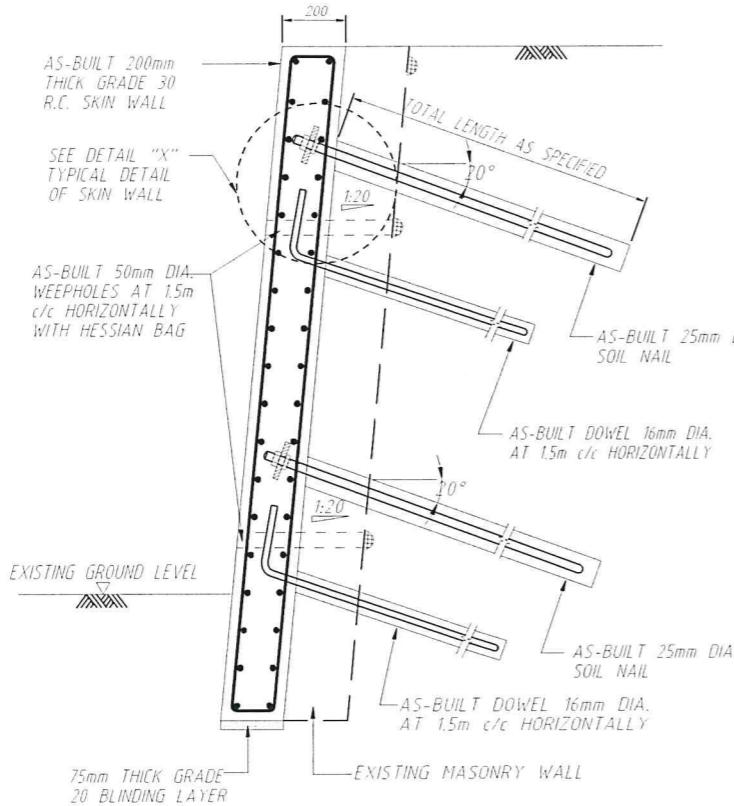


AS-BUILT SOIL NAIL SCHEDULE

SOIL NAIL NOS.	ELEVATION (mPD)	NO. OF NAILS	HORIZONTAL SPACING (m)	INCLINATION TO HORIZONTAL (DEG)	BAR DIAMETER (mm)	LENGTH (m)	DRILLHOLE DIAMETER (mm)	MIN. BOND LENGTH IN ROCK (m)	SOIL NAIL HEAD (mm x mm x mm) (LENGTH x WIDTH x THICKNESS)	CASING (m)
A1-A6	+12.0	6	2	20	25	8	100	2	-	4
B1-B6	+13.5	6	2	20	25	10	100	2	-	5
C1-C5	+15.3	5	2	20	25	10	100	2	-	-
C6-C7	+15.3	2	1.3	20	25	10	100	2	-	-
D1-D6	+15.93	6	2	90	25	8	100	2	-	-
D7-D8	+16.5	2	1.3	20	25	10	100	2	-	-
E1-E6	+11.5	6	2	20	25	7	100	2	500x500x250	4
E7-E11	+11.5	5	2	20	25	7	100	2	-	5
F1-E6	+14.0	6	2	20	25	9	100	2	500x500x250	5
F7-F9	+14.0	3	2	20	25	9	100	2	-	5
F10-F11	+13.0	2	2	20	25	9	100	2	-	5

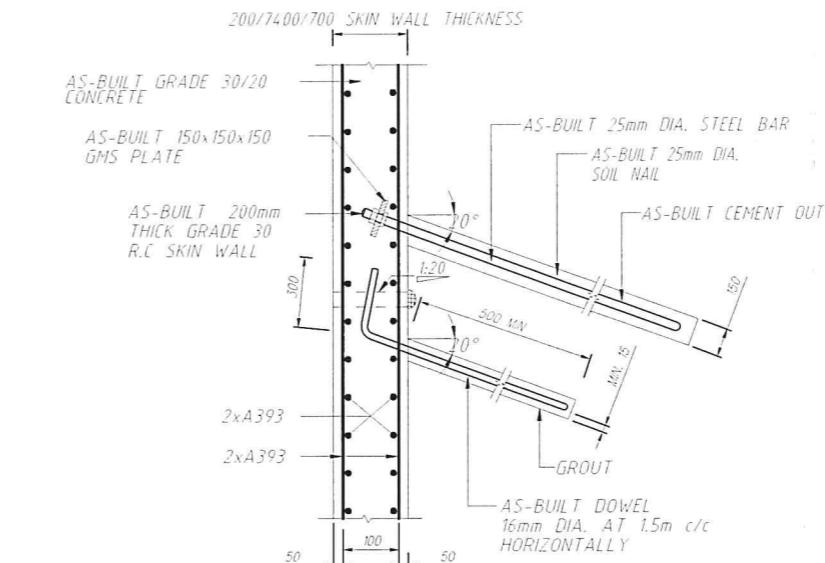
+ SEE STANDARD DRAWING C2522 (SOIL NAIL HEAD ON CONCRETE WALL SURFACE)

	AS-BUILT DRAWING (SAFS)	DLB
No	Date	Description Name, Post, company
Drawn	FS	Draughtsman
Checked	DEREK LIA	SA
Contract No.		
10/LANDS/07		
Drawing no.	Rev.	Scale
AS/414/03	0	1:150
Drawing Title		
FEATURE NO.6SE-D/FR57 & 6SE-D/R158 TING KAU, NO.311-313 CASTLE PEAK ROAD DEVELOPED ELEVATION (AS-BUILT)		
Contractor		
Fuk Shing Engineering Company Limited		
LANDS ADMINISTRATION OFFICE		
SLOPE MAINTENANCE SECTION		
 地政總署 Lands Department		
AECOM		
CAD File	Status :	



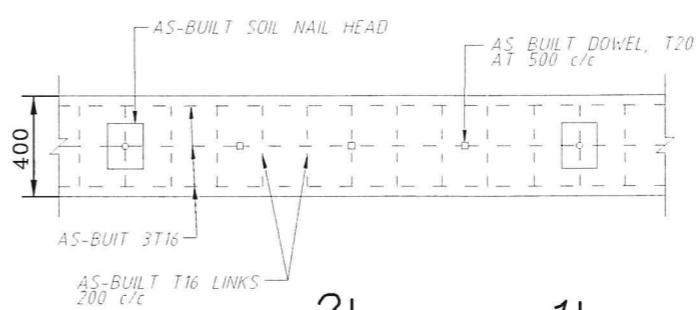
TYPICAL SECTION OF SKIN WALL

N. T.



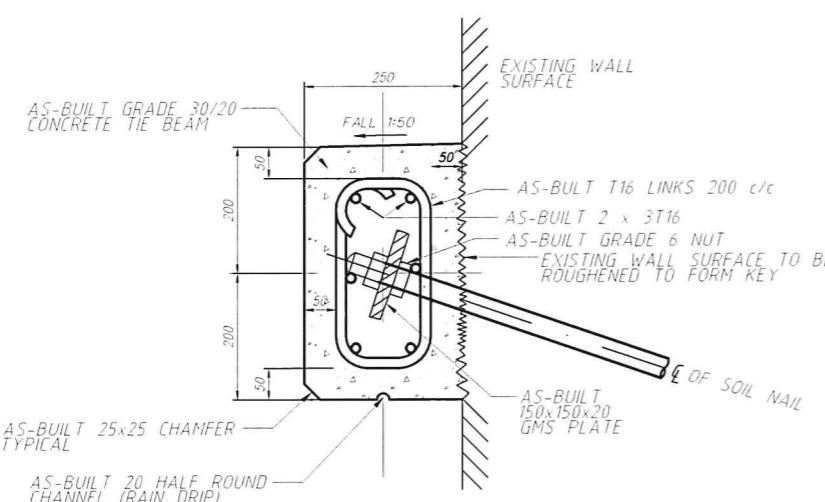
DETAIL "X"

N.T. 2



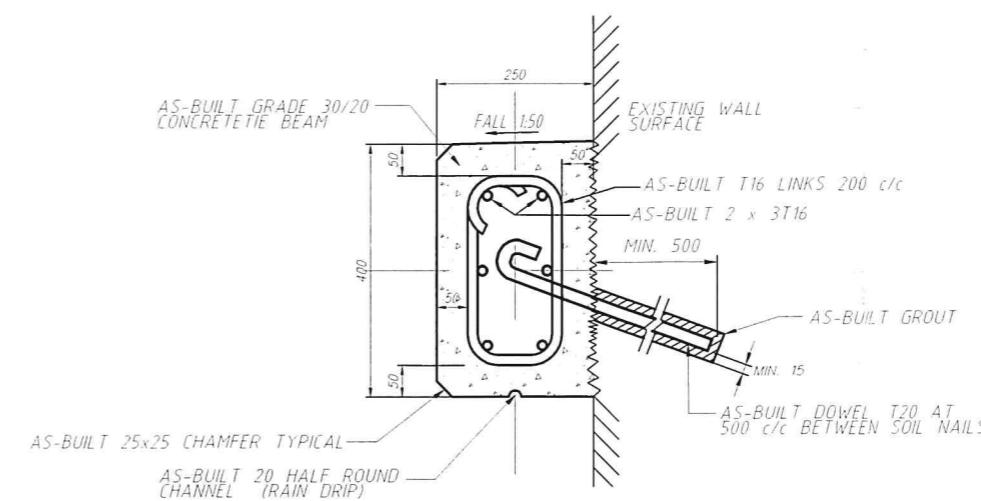
ELEVATION OF TIE BEAM

N.T.S.



SECTION 1-1

NT



SECTION 2-2

N.T.S.

		AS-BUILT DRAWING	DLB (SAFS)		
No	Date	Description	Name, Post, company		
Drawn		Name	Company	Post	Date
Drawn			FS	Draftsman	
Checked	DEREK LAI	FS	SA		

10/LANDS/07

Drawing no. Rev. Scale
AS/414/04 0 1:150

Drawing Title
FEATURE NO.6SE-D/FR57
& 6SE-D/R158
TING KAU, NO.311-313
CASTLE PEAK ROAD
SKIN WALL & TIE BEAM DETAIL
(AS-BUILT)

Contractor
**Fuk Shing Engineering
Company Limited**

LANDS ADMINISTRATION OFFICE
SLOPE MAINTENANCE SECTION



AECOM

CAD File : Status :