
Appendix I
Revised Geotechnical Planning Review Report

Geotechnical Planning Review Report

Land Sharing Pilot Scheme
Proposed Subsidized Housing and Private Housing
Development at Various Lots in D.D. 115, Tung Shing Lei,
Yuen Long, the New Territories

April 2024

Quality information

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Revision History

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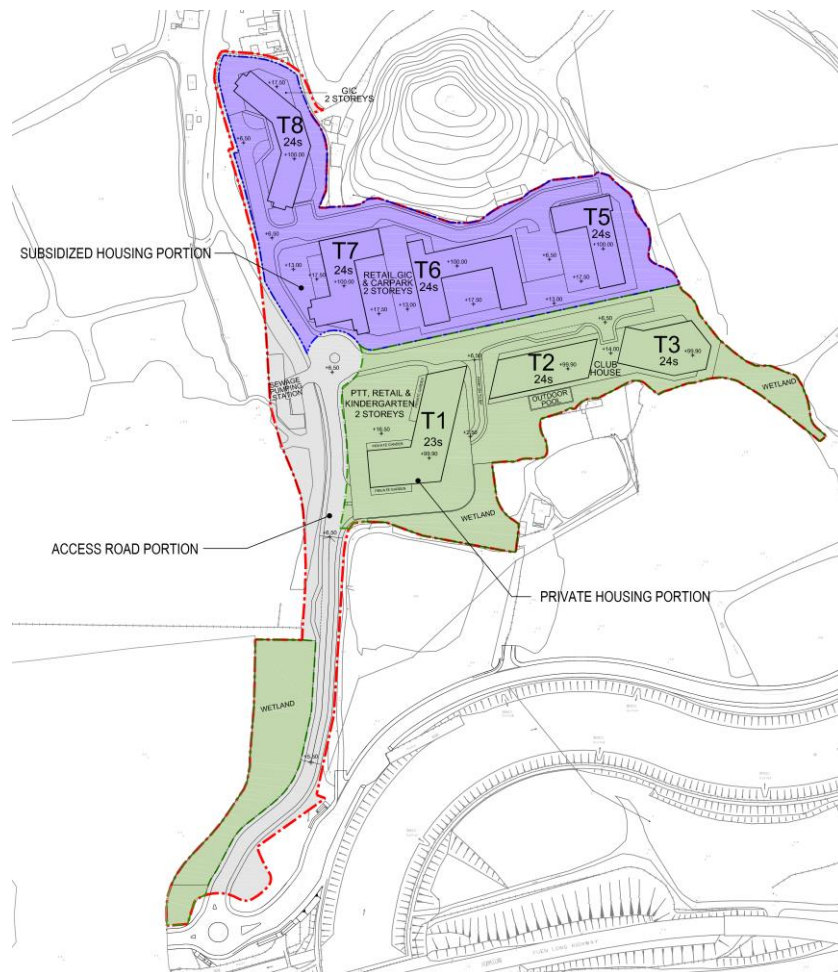
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Appendix B1	Slope Information System (SIS) data sheet and corresponding information (Associated Work_ Sewage Pipe)
Appendix B2	Slope Information System (SIS) data sheet and corresponding information (Junction J3)

1. Introduction

1.1 Background

- 1.1.1 The Application Site (the Site) is located at various lots in D.D. 115, Tung Shing Lei, Yuen Long. The Application Site is currently zoned “Residential (Group D)” (“R(D)”) on the approved Nam Sang Wai Outline Zoning Plan No. S/YL-NSW/8 and covers a site area of approximately 58,978m².
- 1.1.2 Part of the Application Site is the subject of an approved rezoning application under Town Planning Board (TPB) Application No. Y/YL-NSW/4 (i.e. hereafter referred to as the Approved Scheme). Under the Approved Scheme, TPB has agreed to rezone part of the Application Site from “R(D)” to “R(D)1” zone to facilitate the implementation of the residential development.
- 1.1.3 The Applicant now proposes a subsidized and private housing development at the subject site (i.e. hereafter referred to as the Proposed Development / Proposed Scheme) under the Land Sharing Pilot Scheme (LSPS), which was put forward in the 2018 Policy Address as part of Government’s multi-pronged strategy to increase land and housing supply in the short-to-medium term.



- 1.1.4 AECOM was commissioned by the Applicant as his civil consultant in support of the application.

1.2 Scope of this report

1.2.1 In this report, the following items will be discussed:

- review site geology, available GI records and aerial photographs;
- identify any features or hazards that might affect the proposed development; and
- review the schematic site formation works from geotechnical point of view

2. Site information

2.1 Site information and topography

- 2.1.1 The Site is bounded by Ho Chau Road to the south and Kam Tin River to the east and the western side of the Site is within schedule area no.2. (**figure 1**)
- 2.1.2 In general, the Site is a flat ground with the level various from +3.50 mPD to +8.0 mPD. The site topography is relatively flat with a small natural hillside is near the northern boundary of the site about 20 m high.
- 2.1.3 The hillside is covered in dense vegetation and the site area is mostly open area comprising bare soil or shallow vegetation/scrub. At the southwest corner of the site the land use was formerly fishpond.

2.2 Geology

- 2.2.1 The published geology map sheet (**figure 1**) indicates the site is mostly underlain by metasilstone of the Mai Po Member which outcrops as the small hill to north of the site. To the south of the site, granodiorite is indicated and to the east of the site metamorphosed tuff is indicated to occur. On the flat terrain surrounding the small hill, superficial deposits comprising colluvium of the Chek Lap Kok Formation are shown to cover most of the site with some intertidal deposits of the Hang Hau Formation shown to the northwest and southwest of the site. Faults are shown crossing the site with two NNE-SSW trending thrust faults traversing through the western and eastern peripheries of the site. The Site is just within scheduled area no.2, indicating possible marble subcrop.

2.3 Existing Ground Investigation Data

- 2.3.1 There are no existing GI within the site. but the nearest GI generally indicate surficial alluvium with occasional fill and marine deposits to between 5m and 10m depth, followed by weathered tuff to between 25m and 35m depth.

2.4 Existing Man-made Features

- 2.4.1 According to the Slope information system, there is no registered features are identified within the study area.

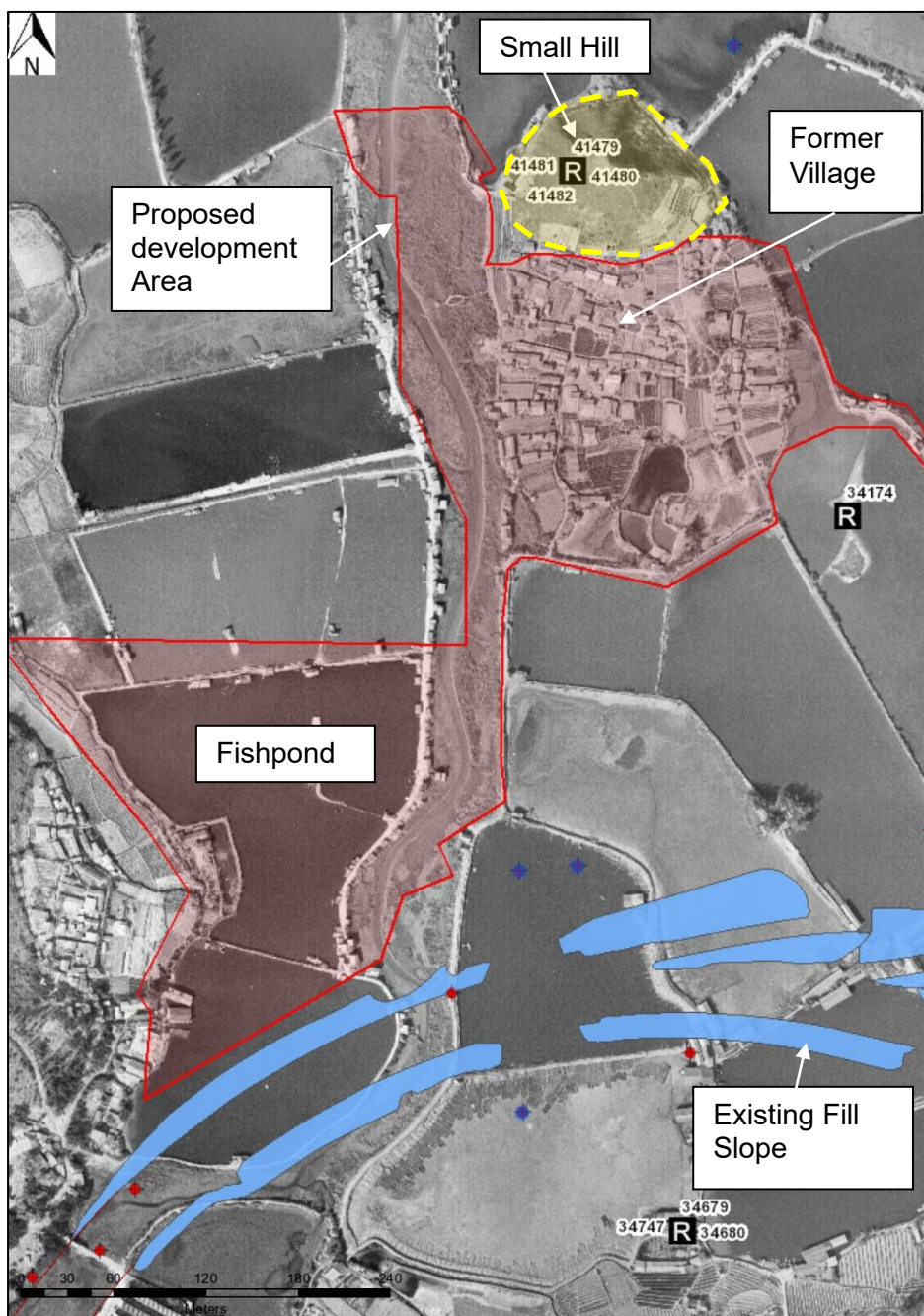
2.5 Landslide History, Incident Records and Boulder Hazards

- 2.5.1 No landslides or incidents are recorded according to GEO's GInfo database and no Historical landslides are recorded. There is no significant boulder hazard according to GEO's boulder field inventory and no significant boulder clusters or large individual boulders could be observed from air photos.

3. Aerial Photograph Interpretation

3.1 API

- 3.1.1 In 1963, most of the site is the location of a small village with numerous small dwellings and horticultural land use. The site is surrounded by fishponds. Over the next three decades by 1993 the village decreases in size and some of the dwellings become abandoned or demolished. By 2005, some of the former fishponds to the south and east have reverted to fields. By 2010, most of the village dwellings have been demolished and removed from the site leaving a partially vegetated open space. By 2012, most vegetation has gone from the site and open space to the east of the site and the ground is highly reflective indicating bare soil or perhaps some fill placement. The present-day site is similar as an apparent bare soil open area.
- 3.1.2 No significant landslides, boulders, boulder clusters, erosion or other forms of distress and instability could be observed from the review of air photos.



1963 Air Photo

4. Site reconnaissance

4.1 Site reconnaissance

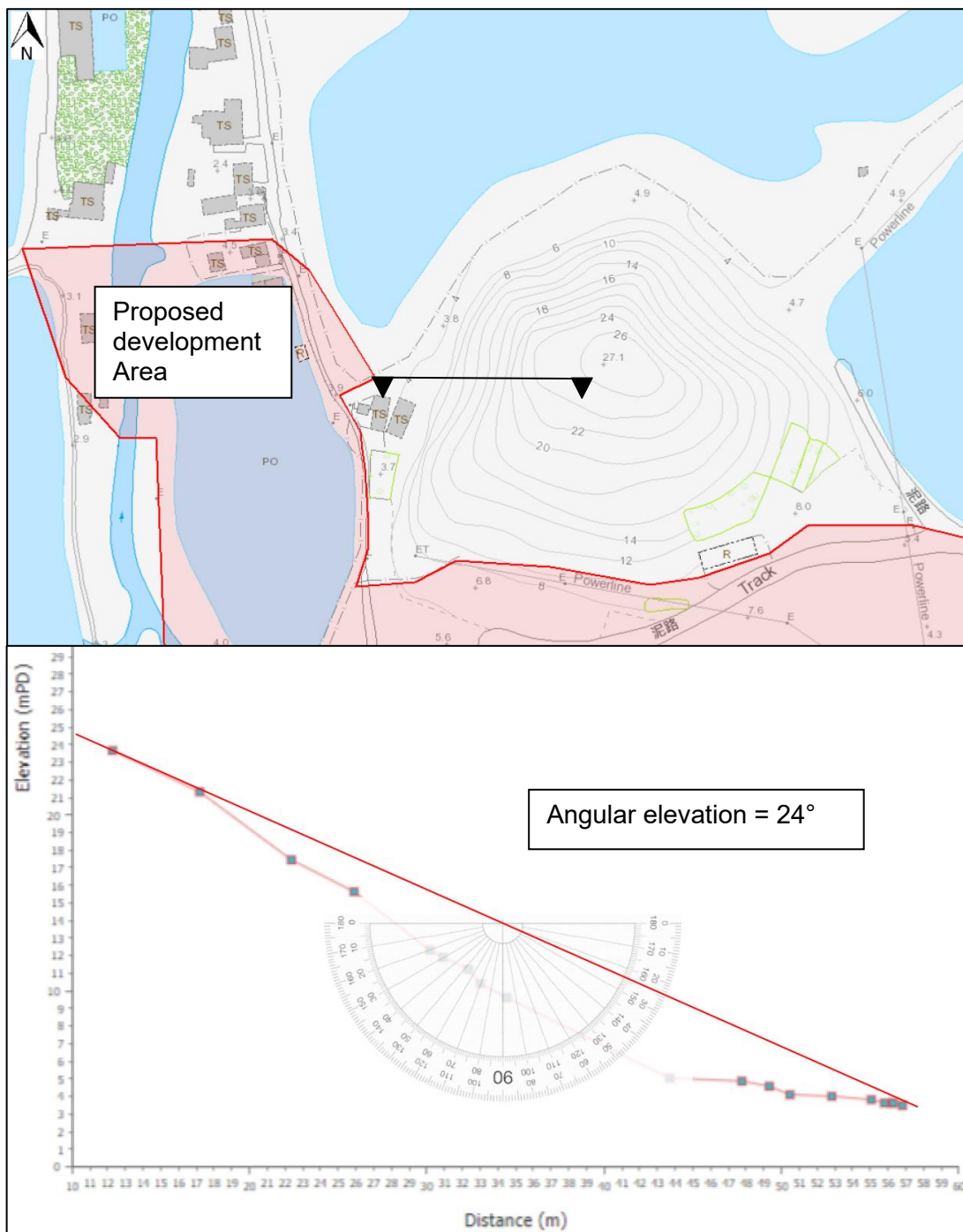
- 4.1.1 No site inspection of the adjacent hillside to the north of the site was possible to the dense vegetation.

5. Screening

5.1 Screening

5.1.1 According to GEO Report 138 (2017), the north-western portion of the site satisfies the Alert Criteria in that it is:

- A new development site involving provision of Group 1 to 3 facilities (residential housing) and involves a significant population at risk.
- There is natural terrain outside the site, but within the same catchment, that is at an angular elevation of 20° or more from the site and there is ground sloping at more than 15° within 50 m horizontally upslope of the site boundary, with a credible flow path to the site.



6. Site formation / Foundation / ELS works

6.1 Schematic site formation works

- 6.1.1 According to the schematic site formation layout (appendix A), the schematic road and site formation level will be at +5.5mPD to +6.50mPD. New slopes / retaining walls will be proposed to support the level difference between existing ground and proposed formation level. The location of new features is shown in **Appendix A**.
- 6.1.2 The junction improvement works will be required at junction J3. The works will involve the widening of existing roads and re-provision of footpath and cycle track. The new retaining walls and modification works for existing slope and subway will be required. The works are shown in **Appendix A**.

6.2 Schematic Foundation works

- 6.2.1 In view of the site is generally flat, there will not be much unbalanced soil load acting on the building and cause extra cost to its foundation.
- 6.2.2 According to the geological map sheet, the bedrock maybe meta-Siltstone, Granodiorite or Tuff. Driven or machine-bored pile foundation founded on cat. 1c Granodiorite or Tuff or cat. 2 meta-Siltstone will be technically feasible for heavily loaded structures.
- 6.2.3 However, in view of the possible existence of the cavities within the Site, the project specific GI drilled holes shall be carried out to determine the extent and the class of marble features for detailed foundation design prior to the finalisation of general building plans (GBP) for the site according to PNAP APP 61.

6.3 Schematic ELS works

- 6.3.1 Temporary excavation and lateral support works may be required for construction of pile cap, conventional temporary pile wall with multi-layer of struts system is technically feasible scheme for ELS works.

7. Works Effect on Existing Features

7.1 Existing Geotechnical Feature

7.1.1 Major geotechnical features in the vicinity and their Slope Information System (SIS) together with proposed actions are summarized as below.

Table 7.1 Summary of the existing geotechnical features (Associated Work_ Sewage Pipe)

Feature No.	Type of Wall	Wall/Slope Dimensions (max. Height x Length)	Angle (deg)	Maintenance responsibility
Outside the site (associated works required),				
6NW-B/F154	Soil Fill Slope	5(H) x 280(L)	30	HyD
6NW-B/FR155	Soil Fill Slope & Retaining Wall	Slope: 5(H) x 270(L) Wall: 1.6(H) x 60(L)	30 90	HyD
Outside the site (associated works not required),				
6NW-B/F153	Soil Fill Slope	5(H) x 340(L)	30	HyD
6NW-B/F156	Soil Fill Slope	4.8(H) x 80(L)	30	HyD
6NW-B/R69	Retaining Wall	4(H) x 136(L)	90	HyD
6NW-B/R84	Retaining Wall	6(H) x 75(L)	90	HyD
6NW-B/FR86	Soil Fill Slope & Retaining Wall	Slope: 3.8(H) x 102(L) Wall: 4.3(H) x 39(L)	35 90	HyD

7.1.2 The drainage pile will be installed under the feature no. 6NW-B/F154 & 6NW-B/FR155 by pipe jacking. No bulk excavation and percussive construction works will be carried out at the feature. The slope is unlikely be affected by the development. Copies of the slope features' Slope Information System (SIS) data sheets and corresponding information are enclosed in **Appendix B1**.

Table 7.2 Summary of the existing geotechnical features (Junction J3)

Feature No.	Type of Wall	Wall/Slope Dimensions (max. Height x Length)	Angle (deg)	Maintenance responsibility
Outside the site (associated works required),				
6NE-A/C95	Soil Cut Slope	3(H) x 50(L)	50	HyD
6NE-A/C96	Soil Cut Slope	3(H) x 53(L)	35	HyD
6NE-A/C102	Soil Cut Slope	7(H) x 85(L)	38	HyD & Route 3 (CPS) Co. Ltd.
6NE-A/F99	Soil Fill Slope	4(H) x 35(L)	28	HyD
6NE-A/F100	Soil Fill Slope	4(H) x 13(L)	26	HyD
6NE-A/F112	Soil Fill Slope	3(H) x 140(L)	40	HyD
6NE-A/R48	Retaining Wall	3(H) x 6(L)	90	HyD
6NE-A/R49	Retaining Wall	3(H) x 8(L)	90	HyD

7.1.3 The features (6NE-A/F99, 6NE-A/F100, 6NE-A/R48 & 6NE-A/R49) to be abandoned by backfill. Portion of the features (6NE-A/C95, 6NE-A/C96, 6NE-A/C102 & 6NE-A/F112) will be modified to cooperate with development. Copies of the slope features' Slope Information System (SIS) data sheets and corresponding information are enclosed in **Appendix B2**.

8. Conclusion

8.1 Conclusions

8.1.1 According to the previous sections of this report, site formation works shall be technically feasible.

8.1.2 NTHS and NTHMW

- According to GEO Report 138 (2017), the site is subject to potential natural terrain hazards according to the geometry of the adjacent hillside and proximity to high consequence facilities within the proposed development, and thus a NTHS is required.
- However, the hillside is small (20 m high), generally gently sloping ($<20^\circ$) where adjacent to proposed development apart from the west-facing open hillslope catchment (locally up to 30°). No existing landslides, HLC, incident reports, or other evidence of past instability are recorded. No significant boulders are recorded or observed from air photos. Thus, it is considered that the potential natural terrain hazards are not severe and subject to ground truthing, it is considered that mitigation works, if necessary, will be minimal.

8.1.3 In addition, the following works shall be considered:

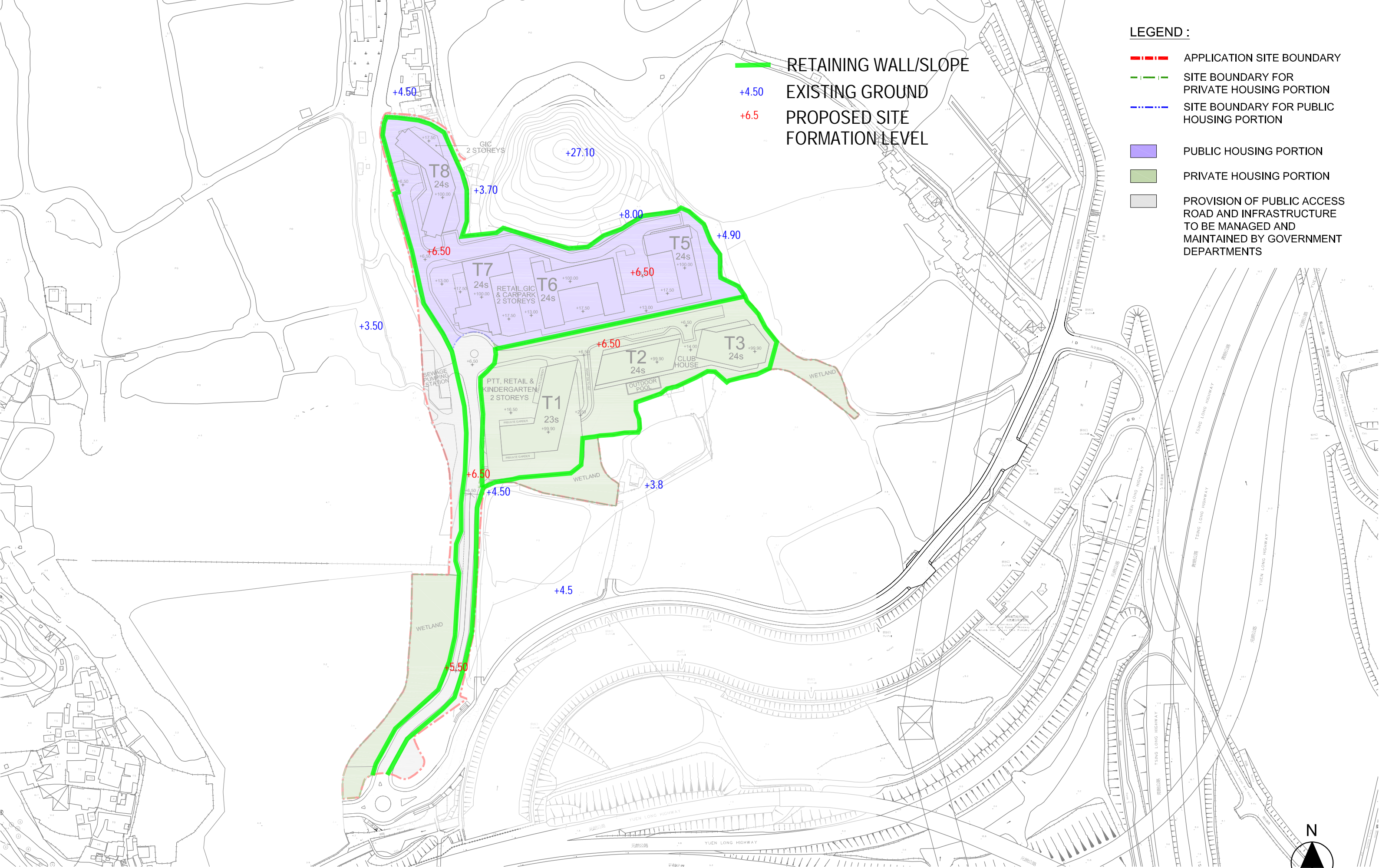
- Project specified ground investigation field works prior to the finalisation of GBP;
- Geotechnical instrumentation shall be provided and monitored during the construction works to ensure the adjoin ground and structures will not be adversely affected.

8.1.4 Geotechnical Assessment Report and detailed design and works proposal of associated works at adjacent features shall be submitted before construction stage.

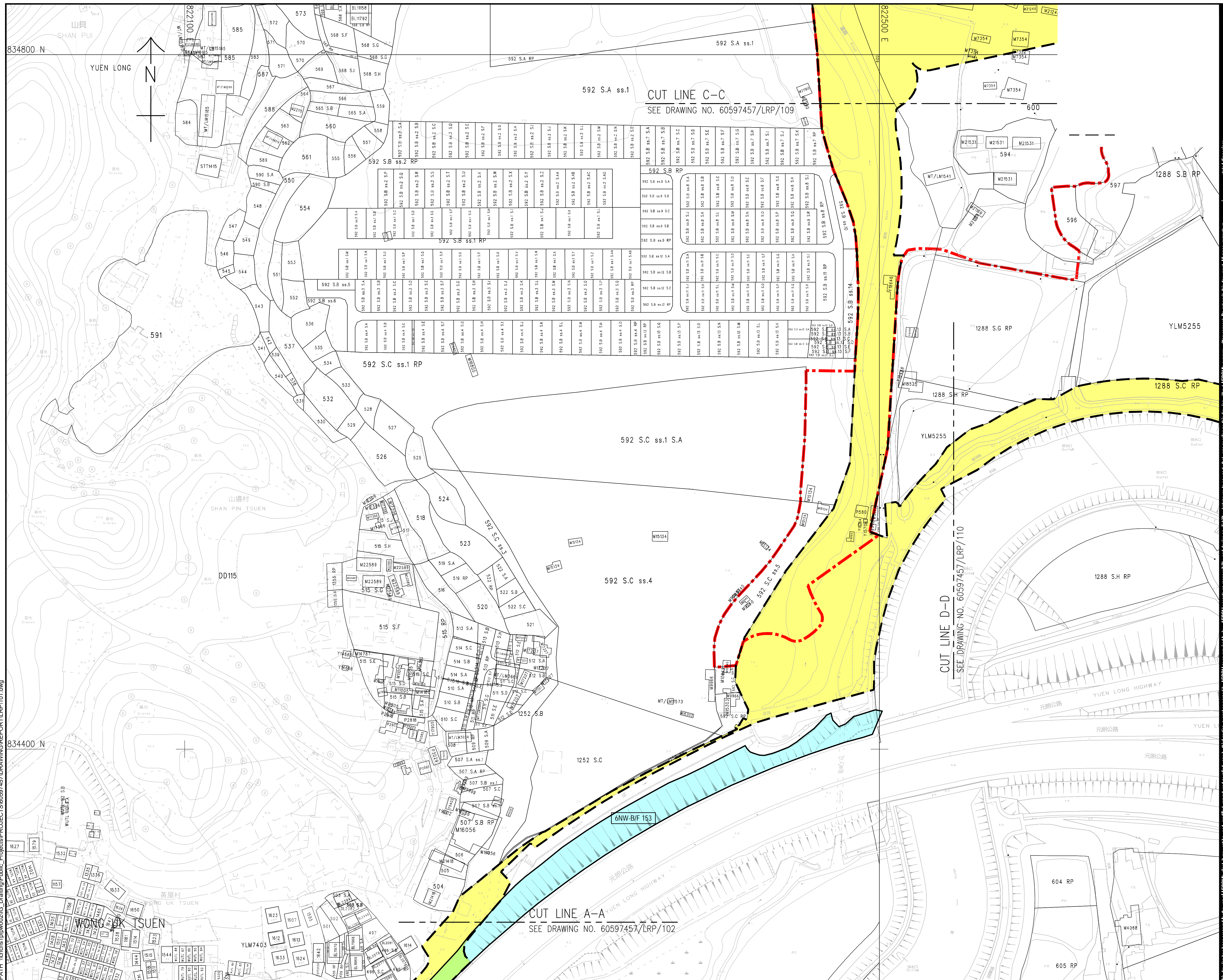
Figures

Appendix A

Site Formation Works Layout



Site Demarcation Plan



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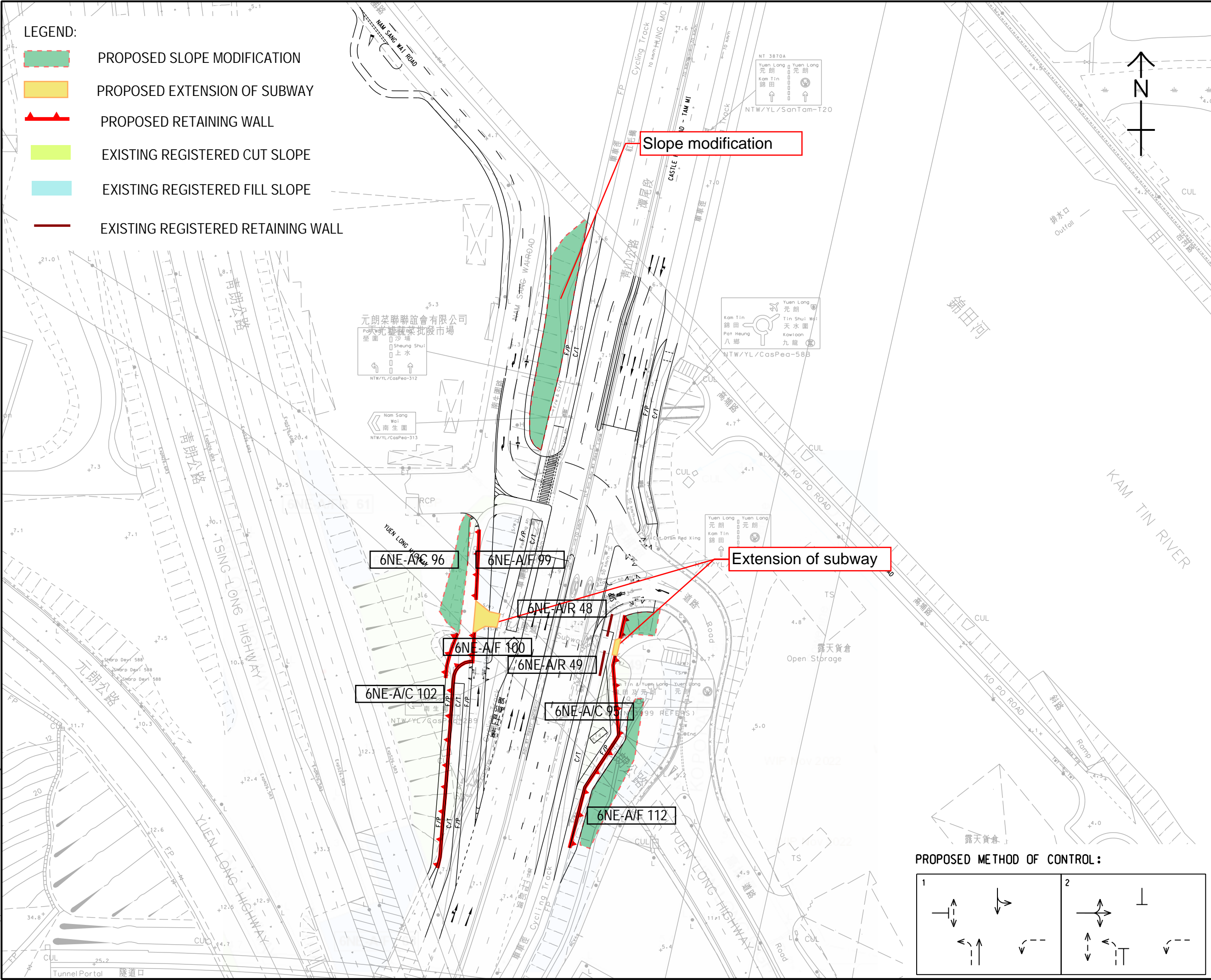
A

10/18/2017



ISO A1 594mm x 841mm
Approved:
Checked:
Designer:
Project Management Initials:

25/4/2023
PLOT BY: CHANOWA
PATH: BACKUP/EMAG/TUNG SHING LEI P2022/0401/FIGURE 4.7.dgn



- LEGEND:
- PROPOSED SLOPE MODIFICATION
 - PROPOSED EXTENSION OF SUBWAY
 - PROPOSED RETAINING WALL
 - EXISTING REGISTERED CUT SLOPE
 - EXISTING REGISTERED FILL SLOPE
 - EXISTING REGISTERED RETAINING WALL

AECOM

PROJECT

PROPOSED LAND SHARING PILOT SCHEME (LSPS) FOR A SITE AT VARIOUS LOTS IN D.D. 115, TUNG SHING LEI, YUEN LONG, THE NEW TERRITORIES

CLIENT

CONSULTANT

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

分判工程顧問公司

ISSUE/REVISION

I/R	DATE	DESCRIPTION	CHK.

STATUS

PRELIMINARY

SCALE

A3 1: 1000

DIMENSION UNIT

METRES

KEY PLAN

不可用

PROJECT NO.

項目編號

CONTRACT NO.

合約編號

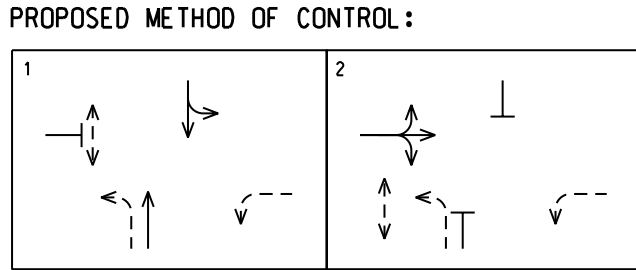
SHEET TITLE

PROPOSED LAYOUT FOR JUNCTION OF CASTLE PEAK ROAD - TAM MI / NAM SANG WAI ROAD (J3)

SHEET NUMBER

圖號/圖號

FIGURE 4.7



Appendix B1

Slope Information System (SIS) data sheet and corresponding information (Associated Work_Sewage Pipe)



BASIC INFORMATION

Location: YUEN LONG HIGHWAY , HSR(W2)

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 822106 Northing : 834041

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 1.2

Facility at Toe: Railway, tramway

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1)	Max. Height (m): 4	Length (m): 280	Average Angle (deg): 30
(1)	Max. Height (m): 7	Length (m): 280	Average Angle (deg): 32

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 07-01-2015
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: On slope Size(mm): 300
(2) Position: Toe Size(mm): 300
(3) Position: Toe Size(mm): 300

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

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

Slope Part (2)

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



WALL PART

N/A

SERVICES

- | | | | | |
|-----|-----------------------------|---------------|--------------------|-------------|
| (1) | Utilities Type: Sewer/Drain | Size(mm): 300 | Location: On slope | Remark: N/A |
| (2) | Utilities Type: Sewer/Drain | Size(mm): 300 | Location: On crest | Remark: N/A |

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Railway, tramway

Distance from Toe(m): 0

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

Distance from Crest(m): 1.2

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

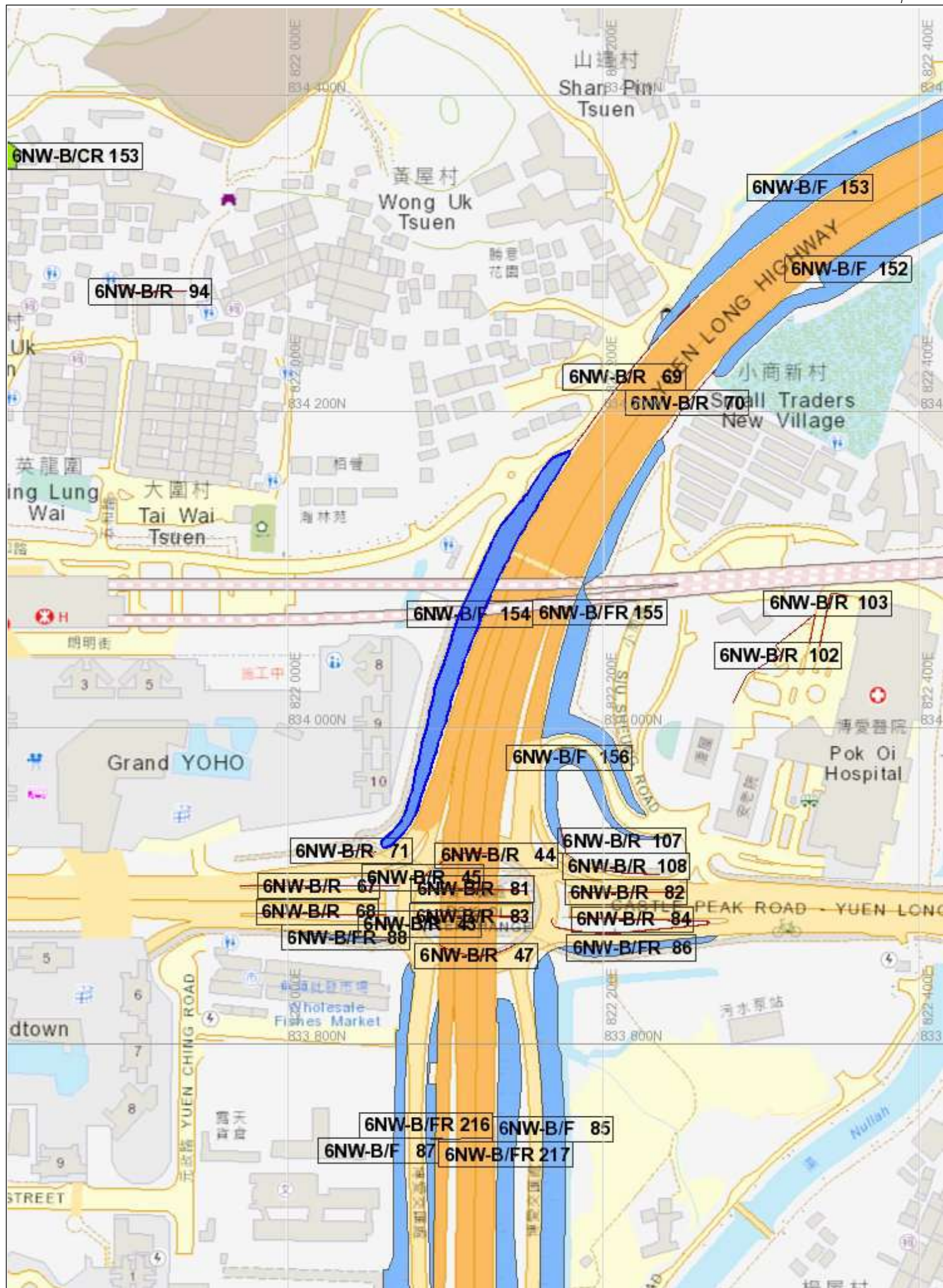
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: YUEN LONG HIGHWAY

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 822189 Northing : 834065

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with moderate traffic density

Distance of Facility from Toe (m): 1.5

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1)	Max. Height (m): 5	Length (m): 270	Average Angle (deg): 30
(1)	Max. Height (m): 2.7	Length (m): 270	Average Angle (deg): 30

WALL PART

(1)	Max. Height (m): 1.6	Length (m): 60	Face Angle (deg): 90
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MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 01-02-2018

Data Source: Project Office

Slope Part Drainage: (1) Position: On slope Size(mm): 225
(2) Position: Toe Size(mm): 600

Wall Part Drainage: (1) Position: Crest Size(mm): 300

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

Slope Part (2)

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

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 1.5

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:



Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

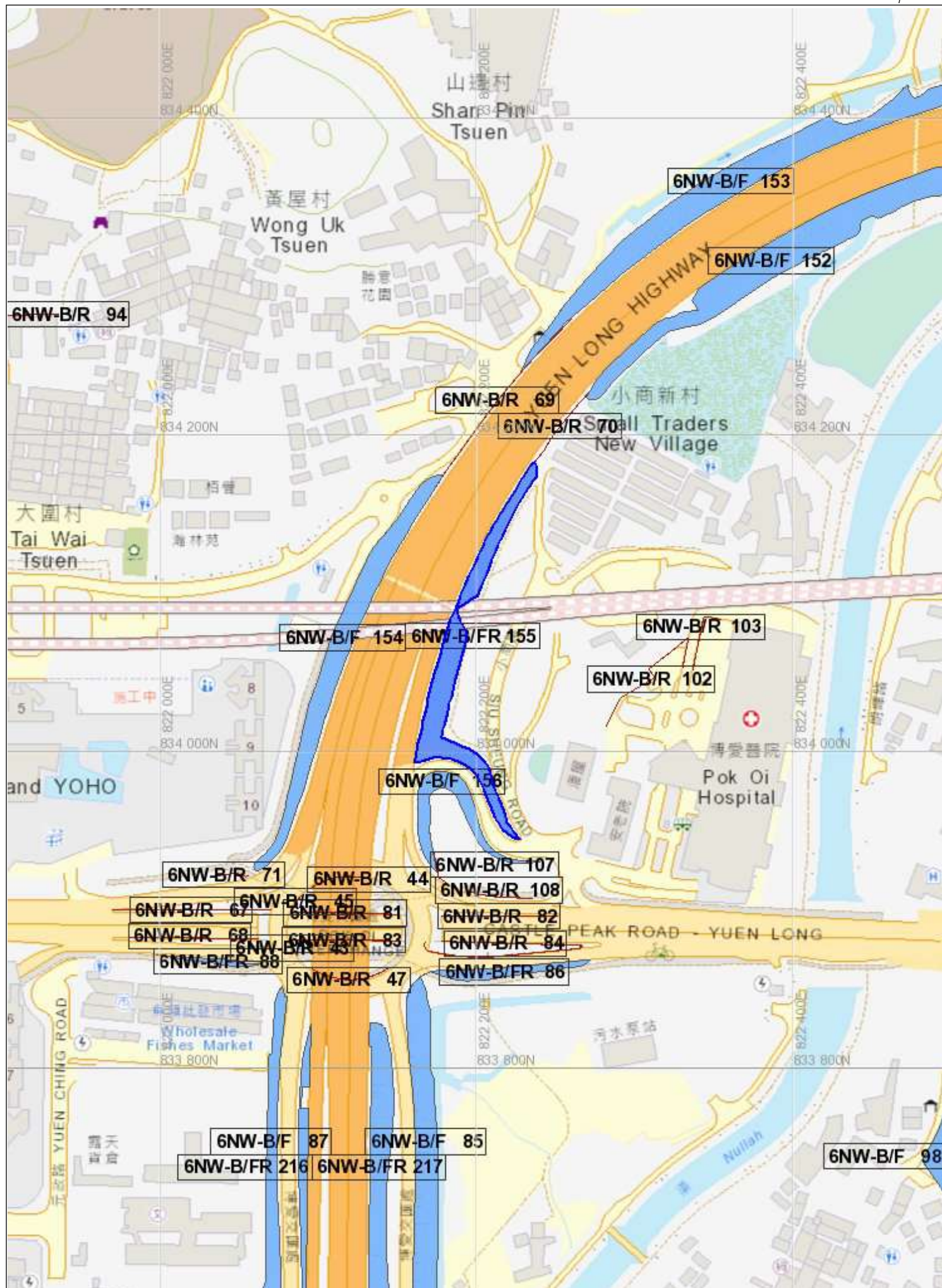
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: YUEN LONG HIGHWAY SLIP ROAD, HSR

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 822353 Northing : 834355

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Remote area or abandoned facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5 Length (m): 340 Average Angle (deg): 30

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 06-01-2012
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: Toe Size(mm): 300
(2) Position: Toe Size(mm): 225

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

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

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

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

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



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Remote area or abandoned facilities

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





BASIC INFORMATION

Location: Adjacent to Slip Road connecting Yuen Long Highway near Pok Oi Hospital

Date of Formation: post-1977

Date of Construction/
Modification: 08-11-2017

Approximate Coordinates: Easting : 822183 Northing : 833981

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 1.2

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1)	Max. Height (m): 4.8	Length (m): 60	Average Angle (deg): 30
(1)	Max. Height (m): 4.5	Length (m): 80	Average Angle (deg): 30

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 17-06-2019
Data Source: Project Office
Slope Part Drainage: (1) Position: Toe Size(mm): 225

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0 Vegetated: 100 Chunam: 0 Shotcrete: 0 Other Cover: 0
Material Description: Material type: Soil Geology: N/A
Berm: No. of Berms: 1 Min. Berm Width (m): 1.2
Weepholes: Size (mm): N/A Spacing (m): N/A

Slope Part (2)

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: 1 Min. Berm Width (m): 0.6
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 1.2

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

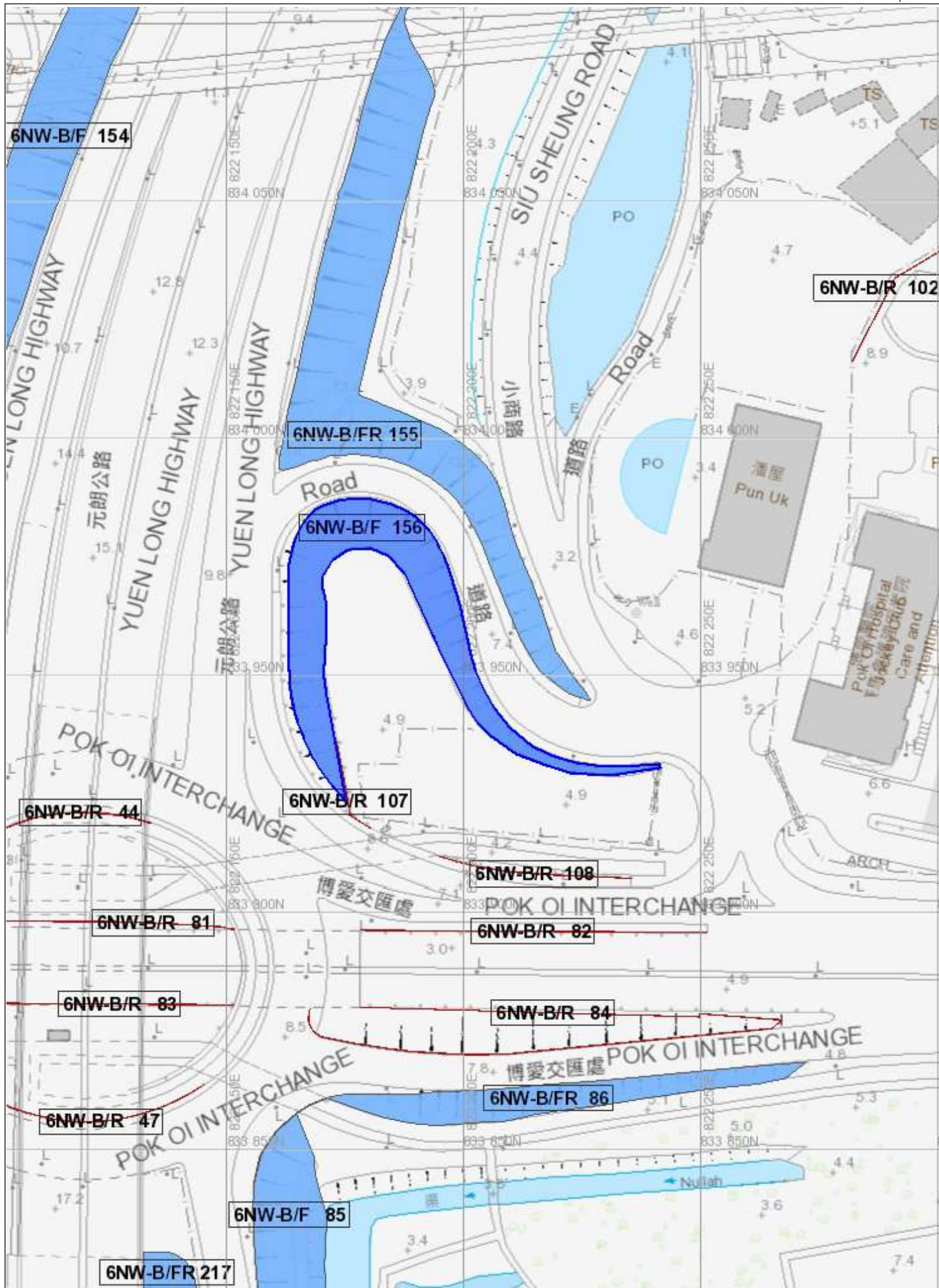
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: YUEN LONG HIGHWAY , HSR(W2)

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 822221 Northing : 834231

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Railway platform and sheltered public waiting area

Distance of Facility from Toe (m): 3

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 4 Length (m): 136 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 08-10-2012
Data Source: EI(HyD)
Slope Part Drainage: N/A

Wall Part Drainage: (1) Position: Crest Size(mm): 275

SLOPE PART

N/A



WALL PART

Wall Part (1)

Type of Wall: Wall Material: Concrete Wall Location: N/A
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): 65 Spacing (m): 2.2

SERVICES

- (1) Utilities Type: Cable Size(mm): 0 Location: Toe Remark: Size cannot be determined
- (2) Utilities Type: Cable Size(mm): 0 Location: On crest Remark: Size cannot be determined
- (3) Utilities Type: Electricity Size(mm): 0 Location: Toe Remark: Size cannot be determined
- (4) Utilities Type: Sewer/Drain Size(mm): 0 Location: Toe Remark: Size cannot be determined
- (5) Utilities Type: Sewer/Drain Size(mm): 2500 Location: On crest Remark: N/A
- (6) Utilities Type: Water Main Size(mm): 80 Location: Toe Remark: N/A

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Railway platform and sheltered public waiting area

Distance from Toe(m): 3

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: AT POK OI INTERCHANGE OF YUEN LONG HIGHWAY
, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 822211 Northing : 833870

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Lightly-used open area/facilities

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with heavy traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 6 Length (m): 75 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 23-12-2013
Data Source: EI(HyD)
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:	Wall Material: Concrete	Wall Location: N/A
Berm:	No. of Berms: N/A	Min. Berm Width (m): N/A
Weepholes:	Size (mm): N/A	Spacing (m): N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:



Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

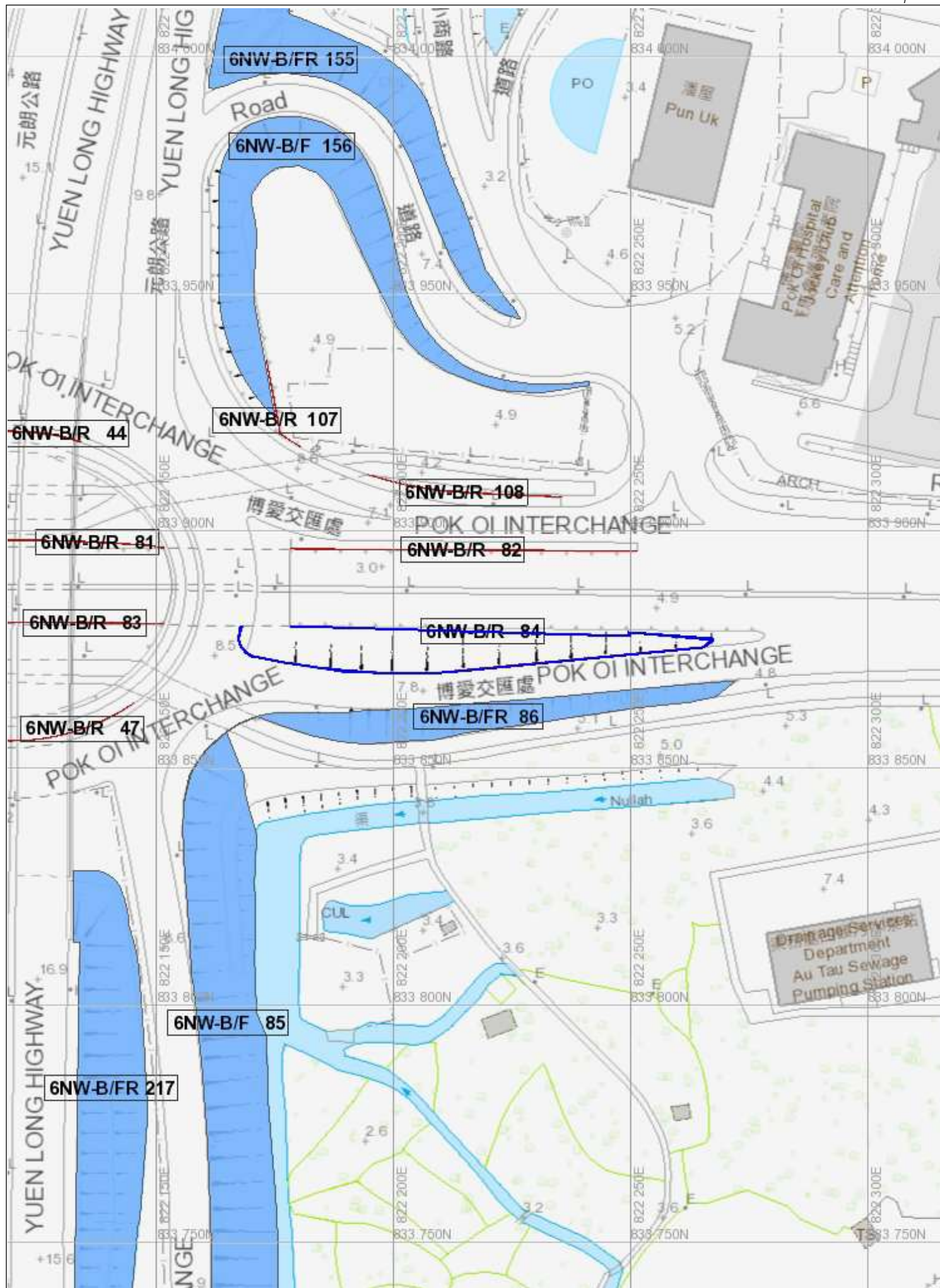
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: POK OI INTERCHANGE, HSR

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 822203 Northing : 833859

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with moderate traffic density

Distance of Facility from Crest (m): 1

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3.8 Length (m): 102 Average Angle (deg): 35

WALL PART

(1) Max. Height (m): 4.3 Length (m): 39 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 06-04-2011
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: Toe Size(mm): 300

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

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: N/A
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: Cable | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (2) | Utilities Type: Cable | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (3) | Utilities Type: Electricity | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (4) | Utilities Type: Electricity | Size(mm): 0 | Location: On slope | Remark: Size cannot be determined |
| (5) | Utilities Type: Electricity | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (6) | Utilities Type: Sewer/Drain | Size(mm): 375 | Location: On crest | Remark: N/A |
| (7) | Utilities Type: Telecom | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 1

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:

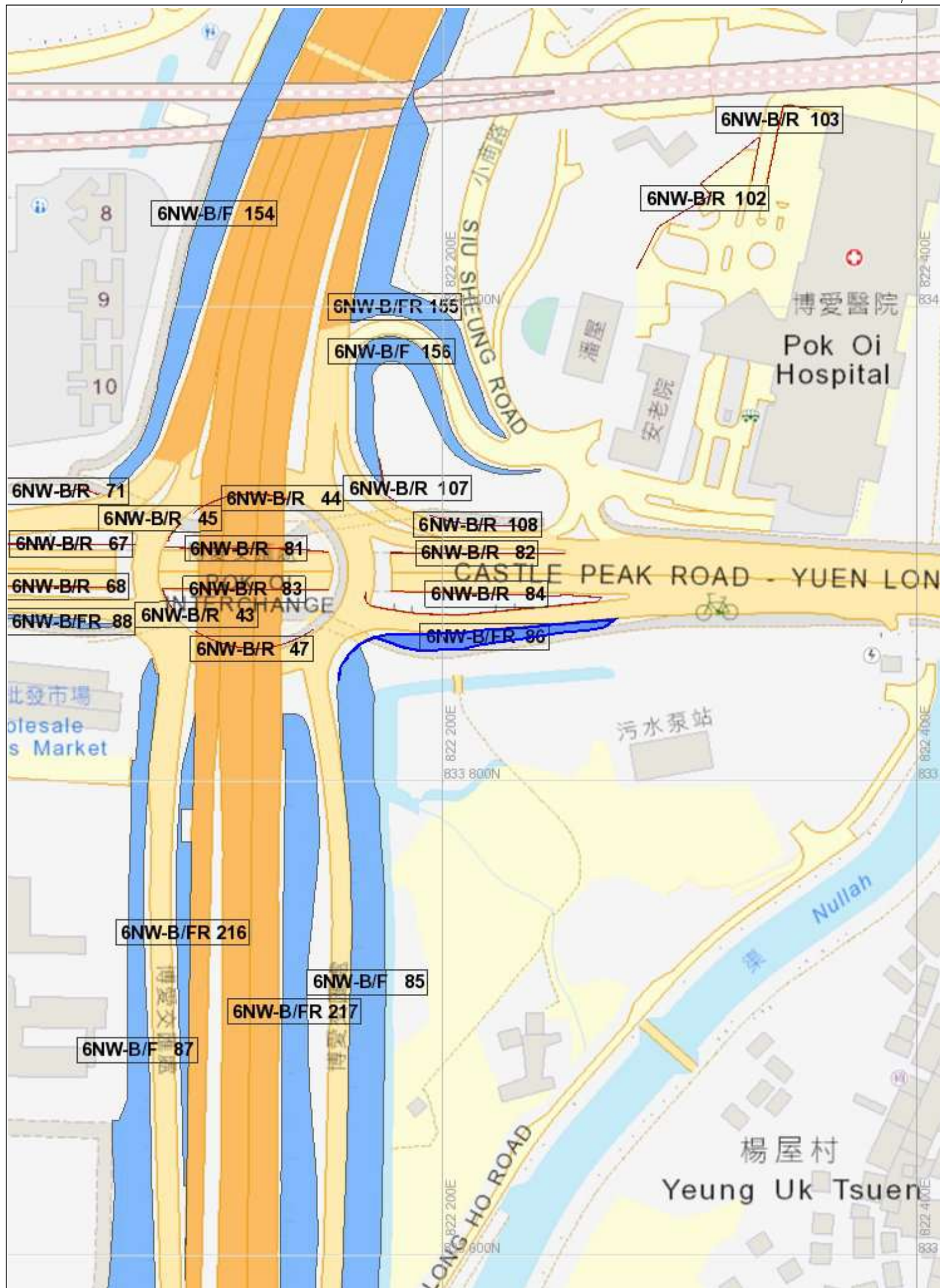
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO





Appendix B2

Slope Information System (SIS) data sheet and corresponding information (Junction J3)



BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MI, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823176 Northing : 834226

CONSEQUENCE-TO-LIFE CATEGORY

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

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 50 Average Angle (deg): 50

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 10-09-2010
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: Toe Size(mm): 300

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 80 Chunam: 0 Shotcrete: 0 Other Cover: 20
Material Description: Material type: Soil Geology: N/A
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): 80 Spacing (m): 1.5



WALL PART

N/A

SERVICES

- | | | | | |
|-----|-----------------------------|---------------|--------------------|-----------------------------------|
| (1) | Utilities Type: Cable | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (2) | Utilities Type: Electricity | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (3) | Utilities Type: Electricity | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (4) | Utilities Type: Telecom | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (5) | Utilities Type: Water Main | Size(mm): 150 | Location: On crest | Remark: N/A |
| (6) | Utilities Type: Water Main | Size(mm): 700 | Location: On crest | Remark: N/A |
| (7) | Utilities Type: Water Main | Size(mm): 150 | Location: On crest | Remark: N/A |



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

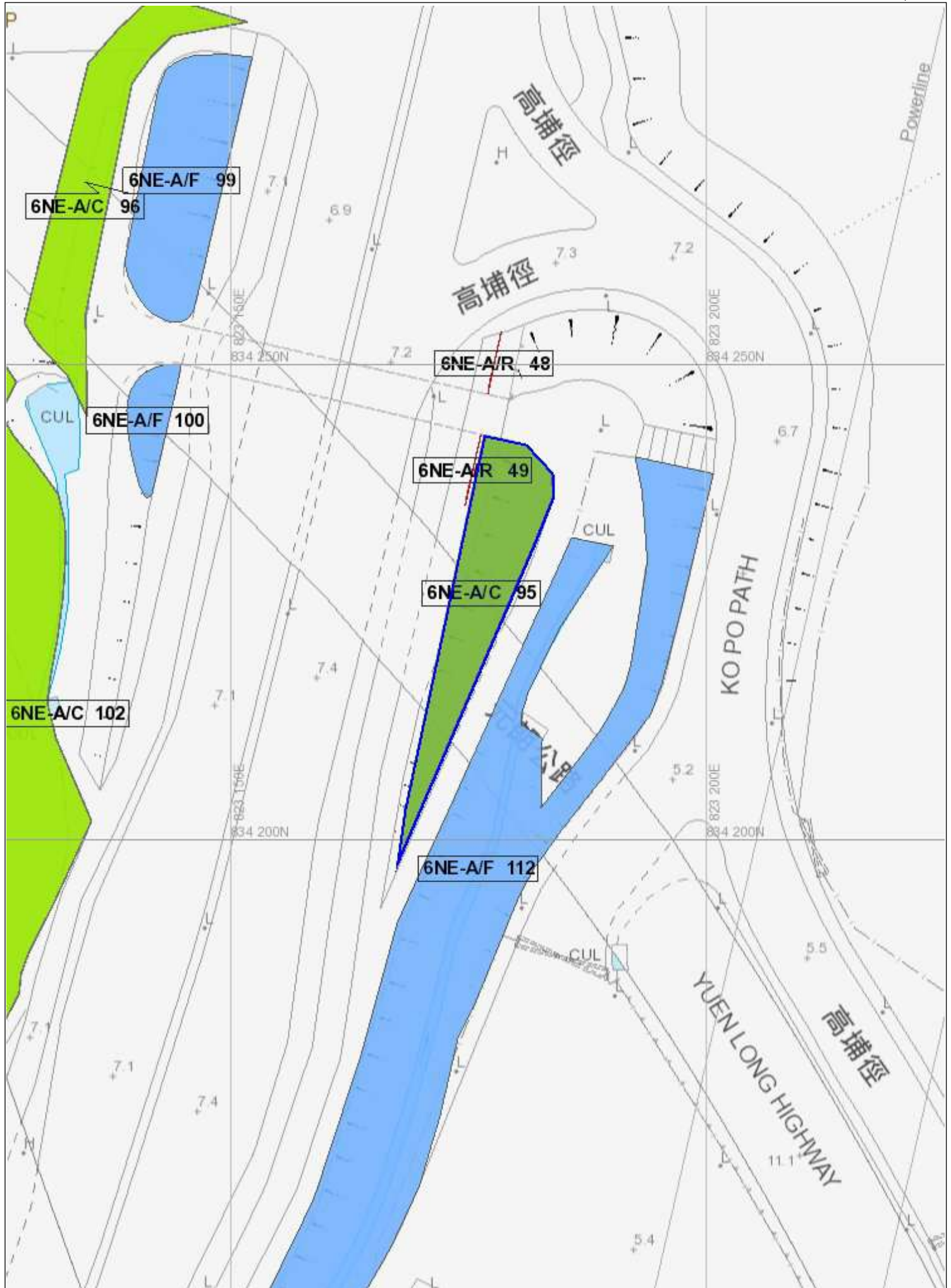
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MI, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823137 Northing : 834280

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: District open space

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 53 Average Angle (deg): 35

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 06-04-2011

Data Source: EI(HyD)

Slope Part Drainage: (1) Position: Crest Size(mm): 300
(2) Position: Toe Size(mm): 225

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0 Vegetated: 5 Chunam: 0 Shotcrete: 0 Other Cover: 95

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

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

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



WALL PART

N/A

SERVICES

- | | | | | |
|-----|-------------------------|-------------|--------------------|-----------------------------------|
| (1) | Utilities Type: Cable | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (2) | Utilities Type: Gas | Size(mm): 0 | Location: On slope | Remark: Size cannot be determined |
| (3) | Utilities Type: Gas | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (4) | Utilities Type: Gas | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (5) | Utilities Type: Telecom | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

Type of Crest Facility: District open space

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

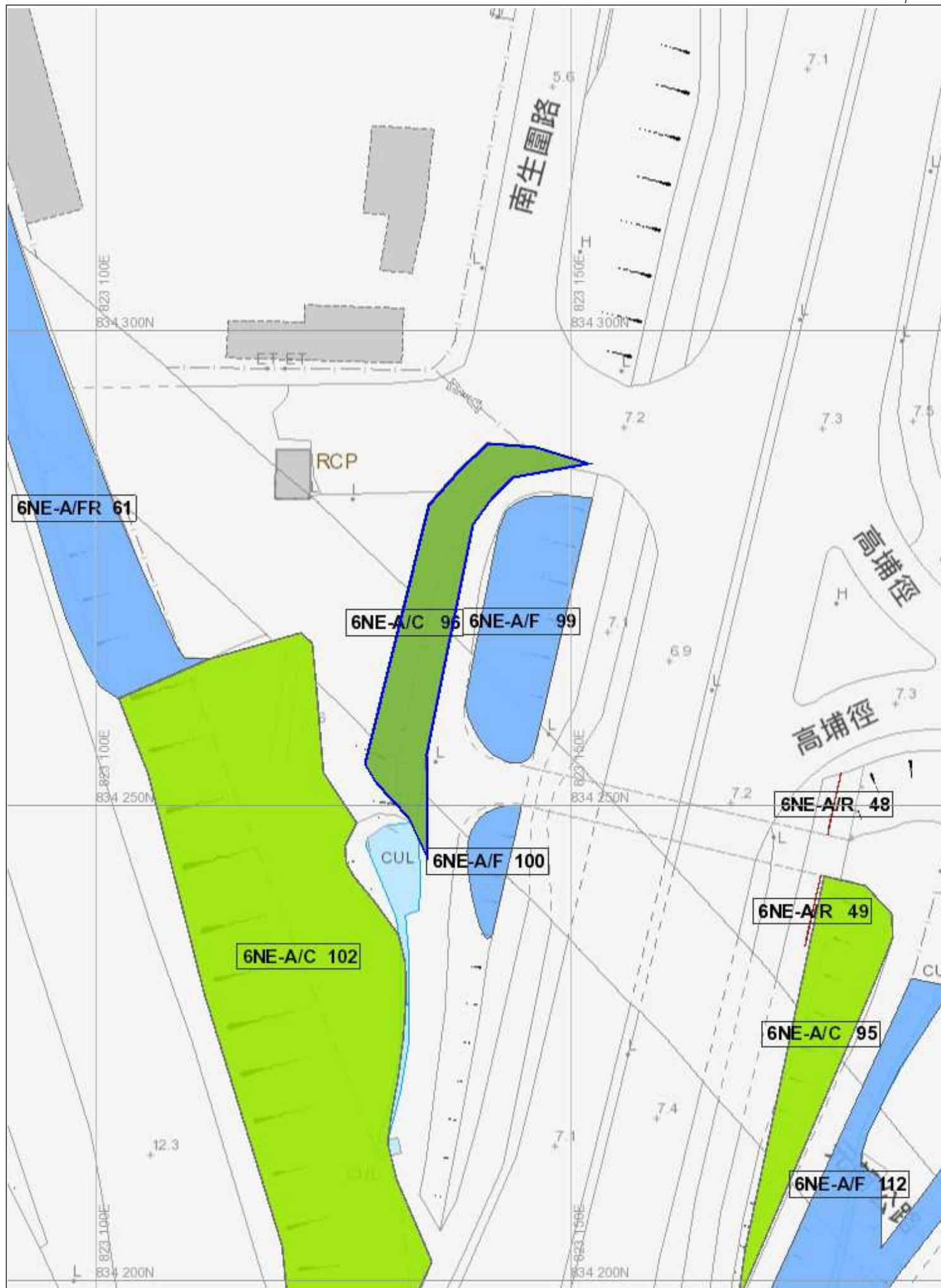
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MEI

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823121 Northing : 834231

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with heavy traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Bus shelter

Distance of Facility from Toe (m): 3

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 7 Length (m): 85 Average Angle (deg): 38

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: ROUTE 3 (CPS) CO. LTD.	Agent: N/A
Mixed Feature	Party: HyD	Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	24-02-2017
Data Source:	EI (HyD)
Slope Part Drainage:	N/A

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

SLOPE PART

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



WALL PART

N/A

SERVICES

(1) Utilities Type: Gas Size(mm): 0 Location: On slope Remark: N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: Bus shelter

Distance from Toe(m): 3

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

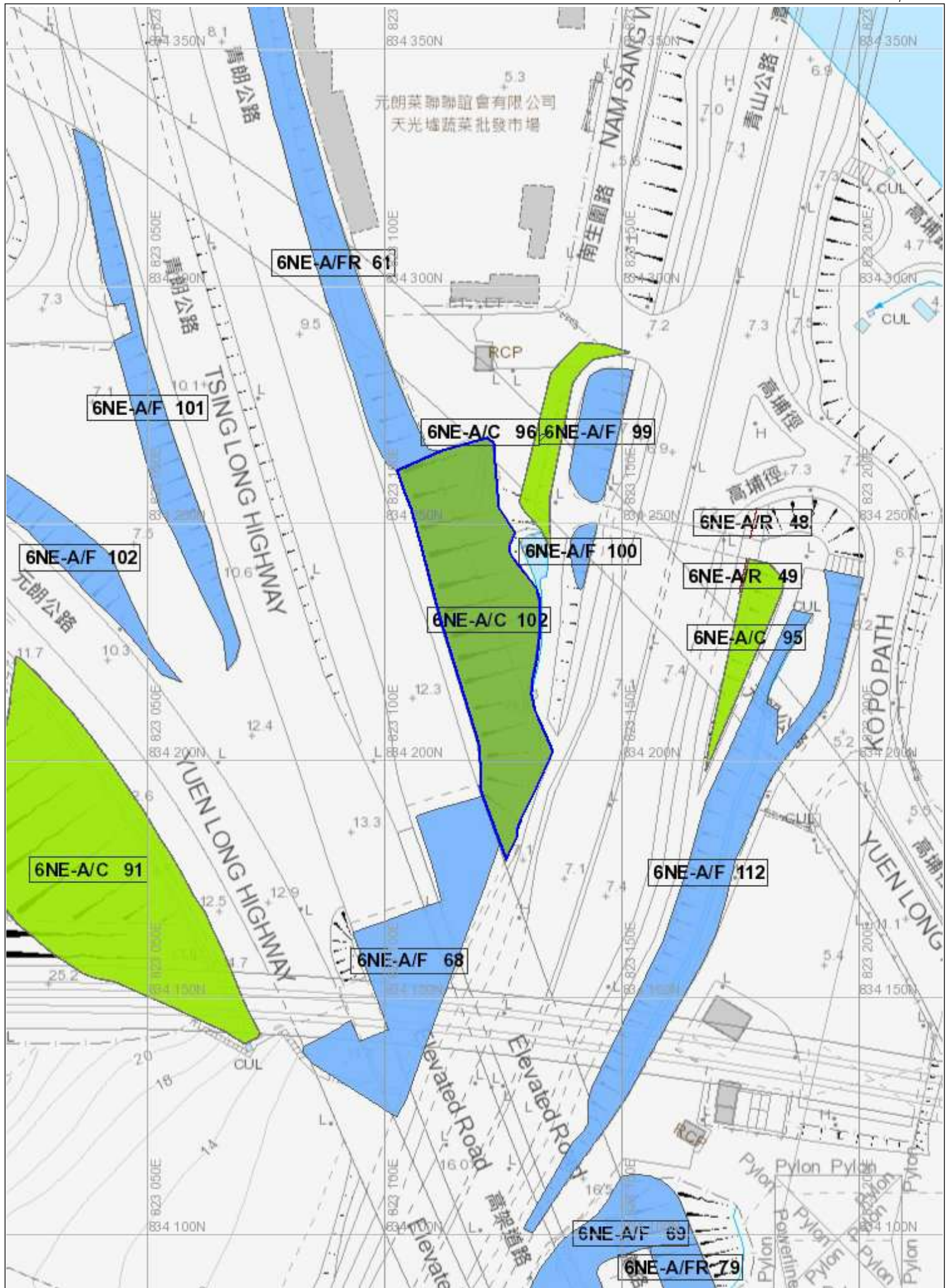
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MI, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823145 Northing : 834271

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 4 Length (m): 35 Average Angle (deg): 28

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 14-04-2010
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: Toe Size(mm): 400

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 60 Chunam: 0 Shotcrete: 0 Other Cover: 40
Material Description: Material type: Soil Geology: N/A
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

- | | | | | |
|-----|-----------------------------|-------------|--------------------|-----------------------------------|
| (1) | Utilities Type: Electricity | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (2) | Utilities Type: Sewer/Drain | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (3) | Utilities Type: Water Main | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MI, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823141 Northing : 834243

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 4 Length (m): 13 Average Angle (deg): 26

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 14-04-2010
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: Toe Size(mm): 300

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)
Surface Protection (%): Bare: 0 Vegetated: 70 Chunam: 0 Shotcrete: 0 Other Cover: 30
Material Description: Material type: Soil Geology: N/A
Berm: No. of Berms: N/A Min. Berm Width (m): N/A
Weepholes: Size (mm): N/A Spacing (m): N/A



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MI, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823164 Northing : 834167

CONSEQUENCE-TO-LIFE CATEGORY

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

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 140 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 10-09-2010
Data Source: EI(HyD)
Slope Part Drainage: (1) Position: On slope Size(mm): 225
(2) Position: Toe Size(mm): 300

Wall Part Drainage: N/A

SLOPE PART

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

WALL PART

N/A

SERVICES

- | | | | | |
|------|-----------------------------|----------------|--------------------|-----------------------------------|
| (1) | Utilities Type: Cable | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (2) | Utilities Type: Electricity | Size(mm): 0 | Location: Toe | Remark: Size cannot be determined |
| (3) | Utilities Type: Electricity | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (4) | Utilities Type: Electricity | Size(mm): 0 | Location: On slope | Remark: Size cannot be determined |
| (5) | Utilities Type: Gas | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (6) | Utilities Type: Sewer/Drain | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (7) | Utilities Type: Telecom | Size(mm): 0 | Location: On crest | Remark: Size cannot be determined |
| (8) | Utilities Type: Water Main | Size(mm): 80 | Location: On crest | Remark: N/A |
| (9) | Utilities Type: Water Main | Size(mm): 700 | Location: On crest | Remark: N/A |
| (10) | Utilities Type: Water Main | Size(mm): 1400 | Location: Toe | Remark: N/A |
| (11) | Utilities Type: Water Main | Size(mm): 300 | Location: Toe | Remark: N/A |



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

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

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: CASTLE PEAK ROAD - TAM MI, YL

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823178 Northing : 834250

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 3 Length (m): 6 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 16-07-2010
Data Source: EI(HyD)
Slope Part Drainage: N/A

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

SLOPE PART

N/A



WALL PART

Wall Part (1)

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

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

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

SERVICES

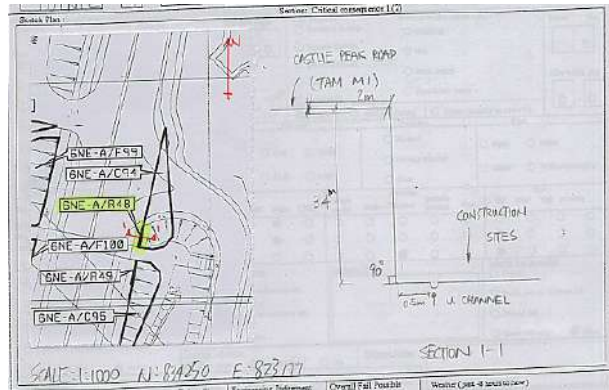
- (1) Utilities Type: Cable Size(mm): 0 Location: On crest Remark: Size cannot be determined
- (2) Utilities Type: Cable Size(mm): 0 Location: Toe Remark: Size cannot be determined
- (3) Utilities Type: Sewer/Drain Size(mm): 0 Location: On crest Remark: Size cannot be determined
- (4) Utilities Type: Telecom Size(mm): 0 Location: Toe Remark: Size cannot be determined
- (5) Utilities Type: Water Main Size(mm): 150 Location: Toe Remark: N/A

STAGE 1 STUDY REPORT

Inspected On: 08-02-2003

Weather: Mainly Fine

District: MW



Section No: 1-1

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

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

Distance from Toe(m): 0

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

Distance from Crest(m): 0

Consequence Category: 2

Engineering Judgement: U

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: U

Sign of Seepage:	Slope : N/A Wall : No sign of seepage
Criterion A satisfied:	N
Sign of Distress:	Slope : N/A Wall : N/A
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	N
Note:	N/A
Consequence category (for critical section):	2
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

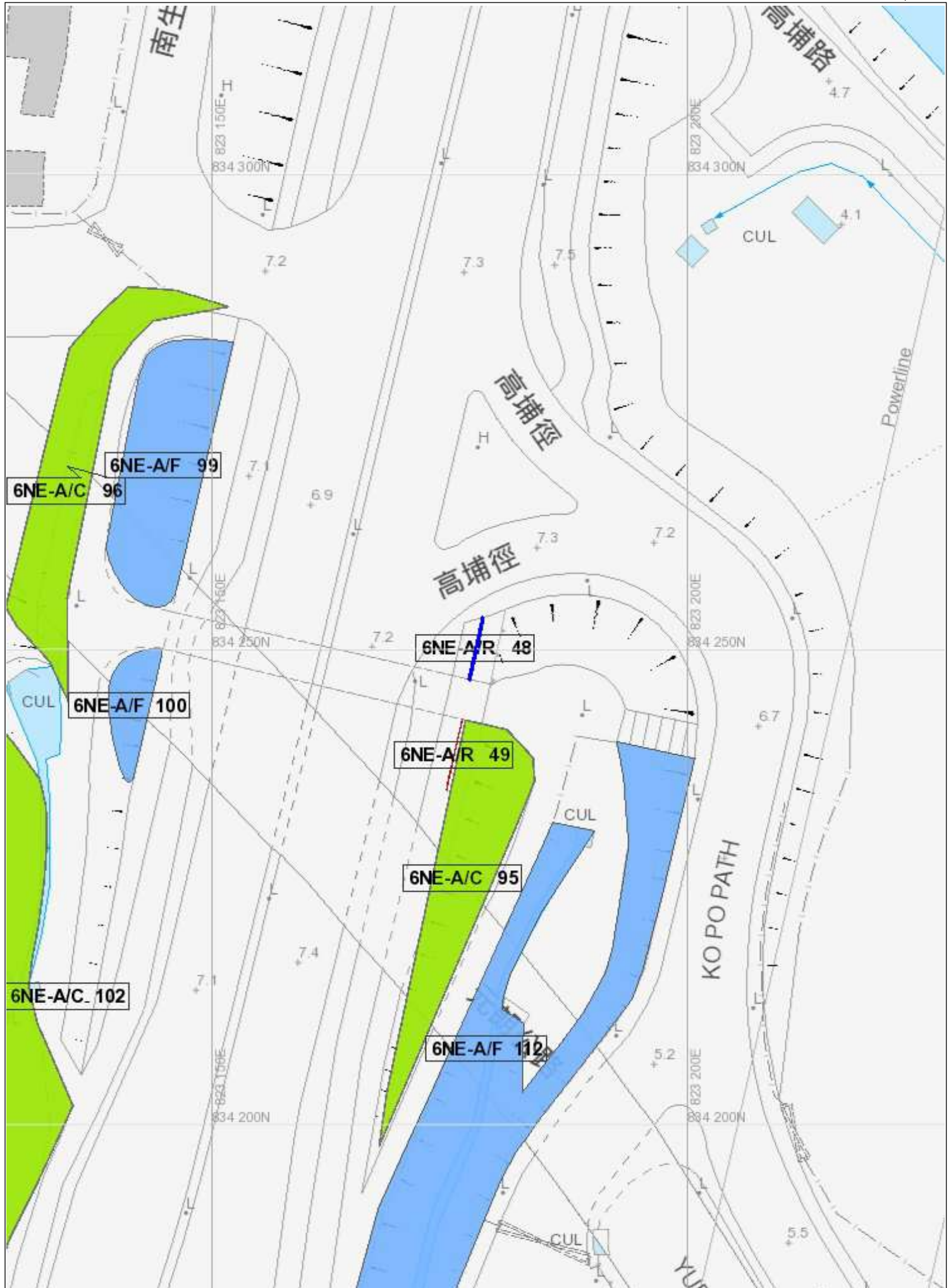
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	N
Action By:	N/A

OTHER EXTERNAL ACTION

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

PHOTO





BASIC INFORMATION

Location: SUBWAY OF CASTLE PEAK ROAD - TAM MI NEAR HUNG MO KIU, YUEN LONG

Date of Formation: post-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 823176 Northing : 834240

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with low traffic density

Distance of Facility from Crest (m): 0

Facility at Toe: Road/footpath with low traffic density

Distance of Facility from Toe (m): 1

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 3 Length (m): 8 Face Angle (deg): 90



MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 30-12-2005
Data Source: EI(HyD)
Slope Part Drainage: N/A

Wall Part Drainage: (1) Position: Toe Size(mm): 325

SLOPE PART

N/A



WALL PART

Wall Part (1)

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

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

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

SERVICES

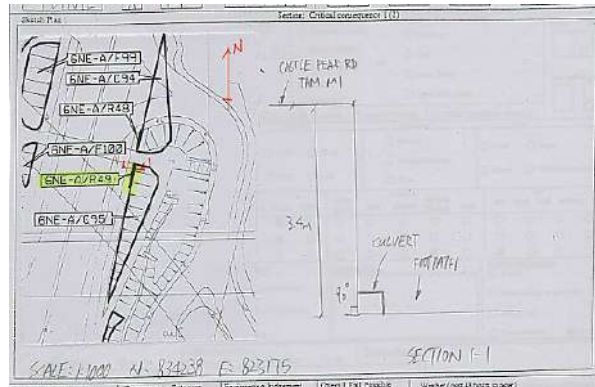
(1) Utilities Type: Electricity Size(mm): 0 Location: On slope Remark: Size cannot be determined

STAGE 1 STUDY REPORT

Inspected On: 08-02-2003

Weather: Mainly Fine

District: MW



Section No: 1-1

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

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

Distance from Toe(m): 1

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

Distance from Crest(m): 0

Consequence Category: 2

Engineering Judgement: U

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: U

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

OTHER EXTERNAL ACTION

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

PHOTO



