GEOTECHNICAL PLANNING REVIEW REPORT FOR S16 APPLICATION

FOR PROPOSED ACCESS ROAD ADJOINING 58 TAI HANG ROAD, HONG KONG

TSW Consulting Engineers Ltd.

February 2025

CONTENTS

1. INTRODUCTION

2. DESCRIPTION OF THE SITE

- 2.1 ADJACENT BUILDINGS
- 2.2 ADJACENT GEOTECHNICAL FEATURES
- 2.3 EXISTING GROUND INVESTIGATION INFORMATION

3. GEOTECHNICAL WORKS ANTICIPATED FOR THE PROPOSED DEVELOPMENT

- 3.1 GROUND INVESTIGATION WORKS
- 3.2 FOUNDATION WORKS
- 3.3 SITE FORMATION AND ELS WORKS

4. CONCLUSION

FIGURES

FIGURE 1 SITE LOCATION PLAN

FIGURE 2 LAYOUT OF ADACENT BUILDINGS

TABLES

TABLE 1 INFORMATION OF ADJACENT BUILDINGS

TABLE 2 INFORMATION OF ADJACENT GEOTECHNCIAL FEATURES
TABLE 3 SUMMARY OF GEOLOGICAL INFORMATION RETRIEVED

APPENDICES

APPENDIX A SCHEMATIC BUILDING PLANS

APPENDIX B PHOTOS OF THE SITE, ADJOINING BUILDINGS & WALL FEATURES APPENDIX C GEOTECHNICAL FEATURE INFORMATION (EXTRACTED FROM SLOPE

INFORMATION SYSTEM)

APPENDIX D EXISTING GROUND INVESTIGATION RECORDS

1. INTRODUCTION

The application is new access road adjoining 58 Tai Hang Road, Hong Kong. The proposed area of new access road and external staircases is about 652m². Site Location Plans is included as Figure 1.

This report is to present an assessment on geotechnical feasibility in connection with Section 16 Planning Application for the development. The geotechnical planning review is generally in accordance with "GEO Advice Note for Planning Applications under Town Planning Ordinance (Cap. 131). It covers discussions on the existing site conditions, the geology, geotechnical features around which may affect or be affected by the proposed development and relevant information reviewed.

2. DESCRIPTION OF THE SITE

The site is roughly rectangular shape and is located on sloping ground of gradient about 1 in 2.

The site is bounded by Tai Hang Road at SW and adjoining buildings at NE and SE. They include a 18-storey building at 60 Tai Hang Road, a 31-storey building at 10 Tai Hang Road and a 13-storey building at 12-14 Tai Hang Road which are on in-situ concrete Cassion foundation, bored piles with mini piles foundation and pad footing respectively.

Site Layout refers Figure 1.

Photos are shown in Appendix B.

2.1 ADJACENT BUILDINGS

Records of adjacent buildings can be retrieved from Buildings Department (BRAVO). Information of 3 buildings at close vicinity is summarized in Table 1.

Layout refers Figure 2 while photos are shown in Appendix B-2.

Table 1 Adjacent Buildings

Building Mark	Address	BD ref. no.	Storey (Height)	Completion Year (Age)	Foundation Type	Clear Distance Away	
#B1	60 Tai Hang Road	3013/79	18 Storeys (60.2m)	1986 (38 years)	Cassion	1.7m	
#B2	10 Tai Hang Road	3038/95	31 Storeys (111m)	2001 (23 years)	Bored Piles and Mini Piles	13.6m	
#B3	12-14 Tai Hang 2055/96 13 Storeys Road (44m)		1965 Pad Footing on (59 years) Soil		28.3m		

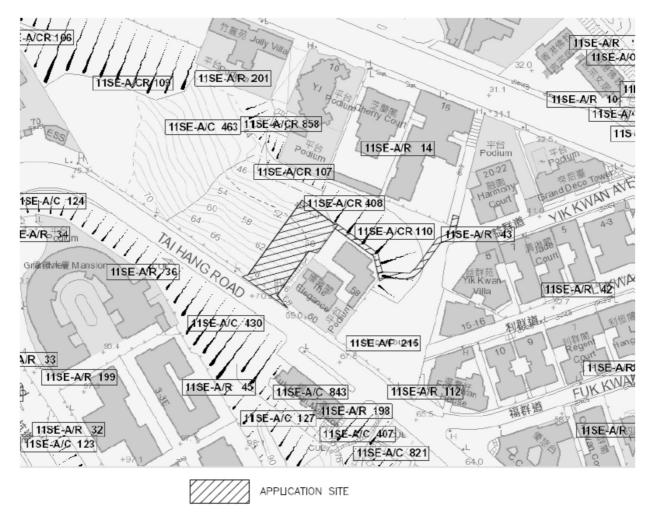


Figure 1 Site Location Plan

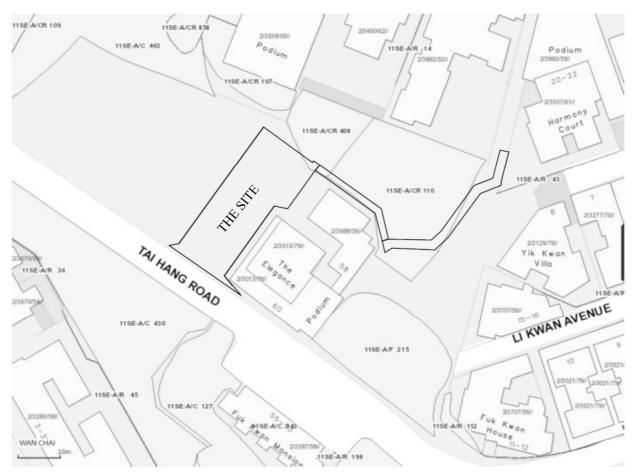


Figure 2 Layout of Adjacent Buildings with BD reference nos.

2.2 ADJACENT GEOTECHNICAL FEATURES

According to GEO's Slope Information System (SIS), there are eleven registered wall features within 50m from the site. Information of these features is summarized in Table 2 while extracts of SIS are shown in Appendix C.

Table 2 Adjacent Geotechnical Features

Feature Mark	Feature no.	Location	Descriptions	Nearest Distance Away
#F1	11SE-A/C 463	North East of Grandview Mansion, Below Tai Hang Road, Peak	34m(H) x 45m(L) 45° Slope with Vegetated and Shotcrete Cover	17.9m
#F2	11SE-A/CR 107	I.L. 8886 No. 8B-10 Tai Hang Road, Hong Kong	5m(H) x 18.7m(L) 55° Slope with Shotcrete cover and 4m(H) x 18.7m(L) Concrete Wall	8.3m
#F3	11SE-A/CR 408	South of Cherry Court, Tai Hang, Hong Kong	10m(H) x 18m(L) 45° Slope and 9m(H) x 18m(L) Concrete Retaining Wall	1m
#F4	11SE-A/CR 110	Back of 16-18 Tai Hang Road, Tai Hang, Hong Kong	13m(H) x 32m(L) 50° Slope with mainly Chunam Cover and 4.2m(H) x 28m(L) Concrete Wall	6.2m
#F5	11SE-A/F 215	Tai Hang Road, HV	10m(H) x 36m(L) 30° Slope with Vegetated Cover	25.5m
#F6	11SE-A/C 430	Tai Hang Road, Hong Kong East	25m(H) x 95m(L) 50° Slope with Shotcrete Cover	10.5m
#F7	11SE-A/C 127	53-55 Tai Hang Road, Tai Hang, Hong Kong	21m(H) x 45m(L) 55° Slope with mainly Vegetated Cover	11.2m
#F8	11SE-A/C 843	No. 55 Tai Hauj Road, Tai Hang, Hong Kong	Road, 12m(H) x 45m(L) 50° Slope with Chunam Cover	
#F9	11SE-A/R 198	East of Tai Hang Road 53-55, Tai Hang	7.1m(H) x 5.7m(L) Masonry Retaining Wall	47.7m
#F10	11SE-A/R 36	Grandview Mansion, Tai Hang Road, Tai Hang, HK	5m(H) x 40m(L) Retaining Wall	34.4m
#F11	11SE-A/R 45	No. 4A-4D, Wang Fung Terrase, Tai Hang Road	8m(H) x 54.5m(L) Masonry Retaining Wall	35.8m

Layout refers Figure 2 while photos are shown in Appendix B.

2.3 EXISTING GROUND INVESTIGATION INFORMATION

According to Geological Map of Hong Kong published by GCO, CEDD, the geology of the site comprises of equigranular medium-grained granite.

Records of ground investigation works of the area are also retrieved from GIU of CEDD. Ground investigation information at two adjacent locations is found. They are respectively for area adjoining 60 Tai Hang Road and Feature 11SW-A/C430. It is confirmed that the area is covered with thin layer of fill/residual soil generally of silty sand overlaying thick layer of completely decomposed granite of medium silty sand. Depth of $N \ge 200$ CDG and MDG/SDG are at 10m to 14.5m and 14.5m to 31.15m below ground respectively.

Summary of subsurface geological information are shown in Table 3 and the records are attached in Appendix C

Table 3 Summary of Geological Information Retrieved

	Location	Clear Distance	Geological Information Depths (m) / N-values						
	/Project Name								
		Away from the Site	Fill/ Residual Soil	CDG			MDG	MDG/ SDG	Tip of Borehole
#A	Area adjoining 60 Tai Hang Road	10m	1.5 - 3.5m	1.5- 3.5m to 5m	5m to 10m	10m to 15m	7m to 14.5m	14.5m- 31.15m	20.5 – 31.15m
			N= 5 - 14	18 - 45	60 - >200	72 - >200	=	-	
#B	11SE-A/CR430	35.8m	3.95m	3.95m to 6.5m	-	÷	_	6.5m to 12.11m	12.11m
			N = 16	5	-	-	-	-	

3. GEOTECHNICAL WORKS ANTICIPATED FOR THE PROPOSED DEVELOPMENT

3.1 GROUND INVESTIGATION WORKS

To affirm geological conditions, ground water levels and information of adjoining retaining wall features, ground investigation works will be carried out by a GIFW contractor at a later stage. The works will include vertical boreholes and trial pits inclusive of relevant field tests and soil laboratory tests.

3.2 FOUNDATION WORKS

Given the geological information available and load intensity of the proposed development, raking mini piles socketed in rock are considered the most appropriate foundation system to carry both vertical and lateral loads in order to avoid additional load to existing slope and to minimize lateral and vertical deformation.

Design shall accord "Code of Practice for Foundations 2017". Effects on pile installation on adjoining grounds and geotechnical features shall be assessed in detail design stage and appropriate precautionary measures shall be implemented to minimize ground borne vibration. AAA system will be implemented to monitor ground water levels, ground settlement, building settlement/tilting and vibration where applicable.

Prior to foundation works, condition surveys will be carried out to ascertain conditions of adjoining buildings and features.

3.3 SITE FORMATION AND ELS WORKS

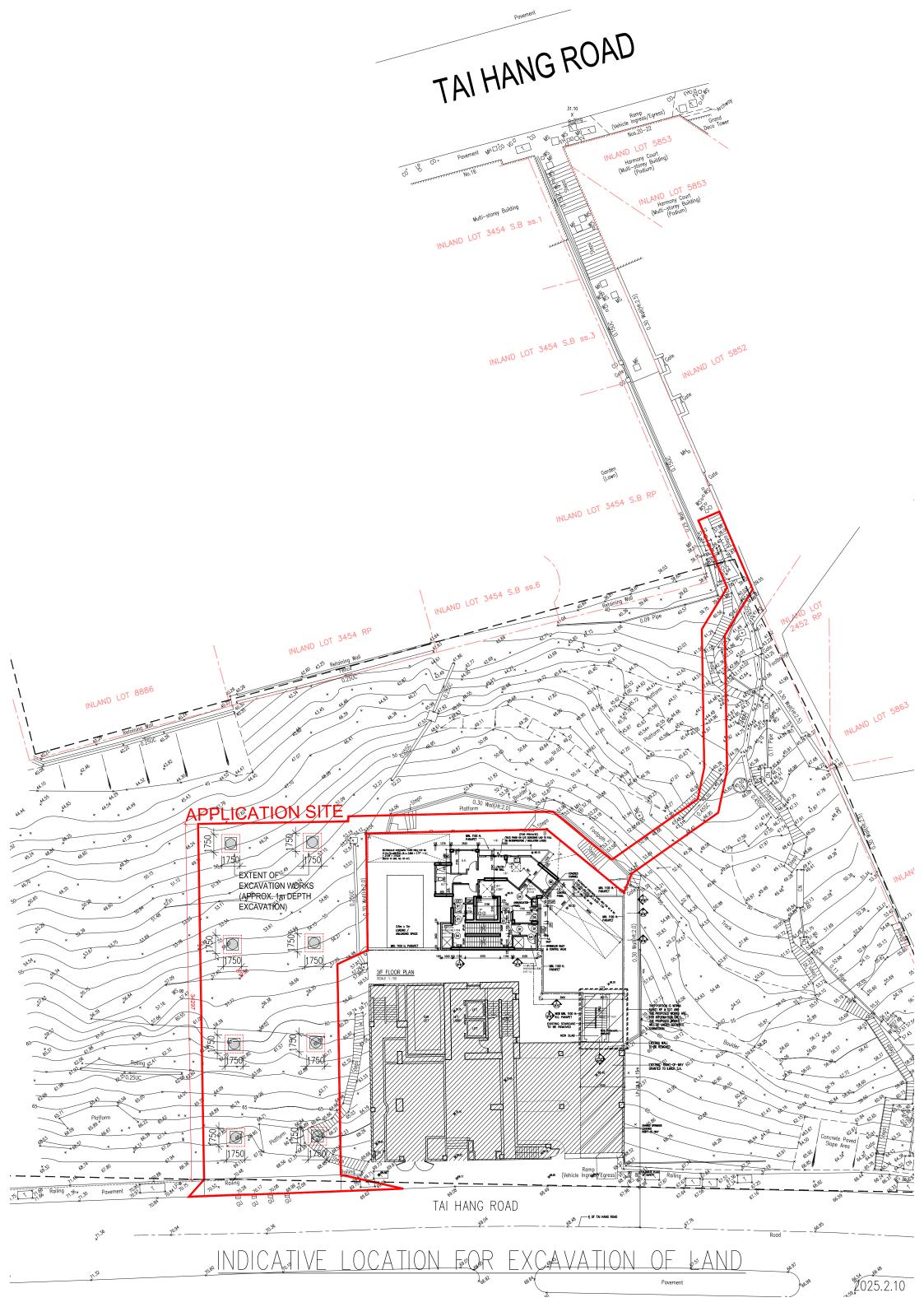
Site formation works and ELS works would be minimal, since the proposed pile caps with raking mini piles would basically be above ground surface in order to minimize disturbance to existing slope.

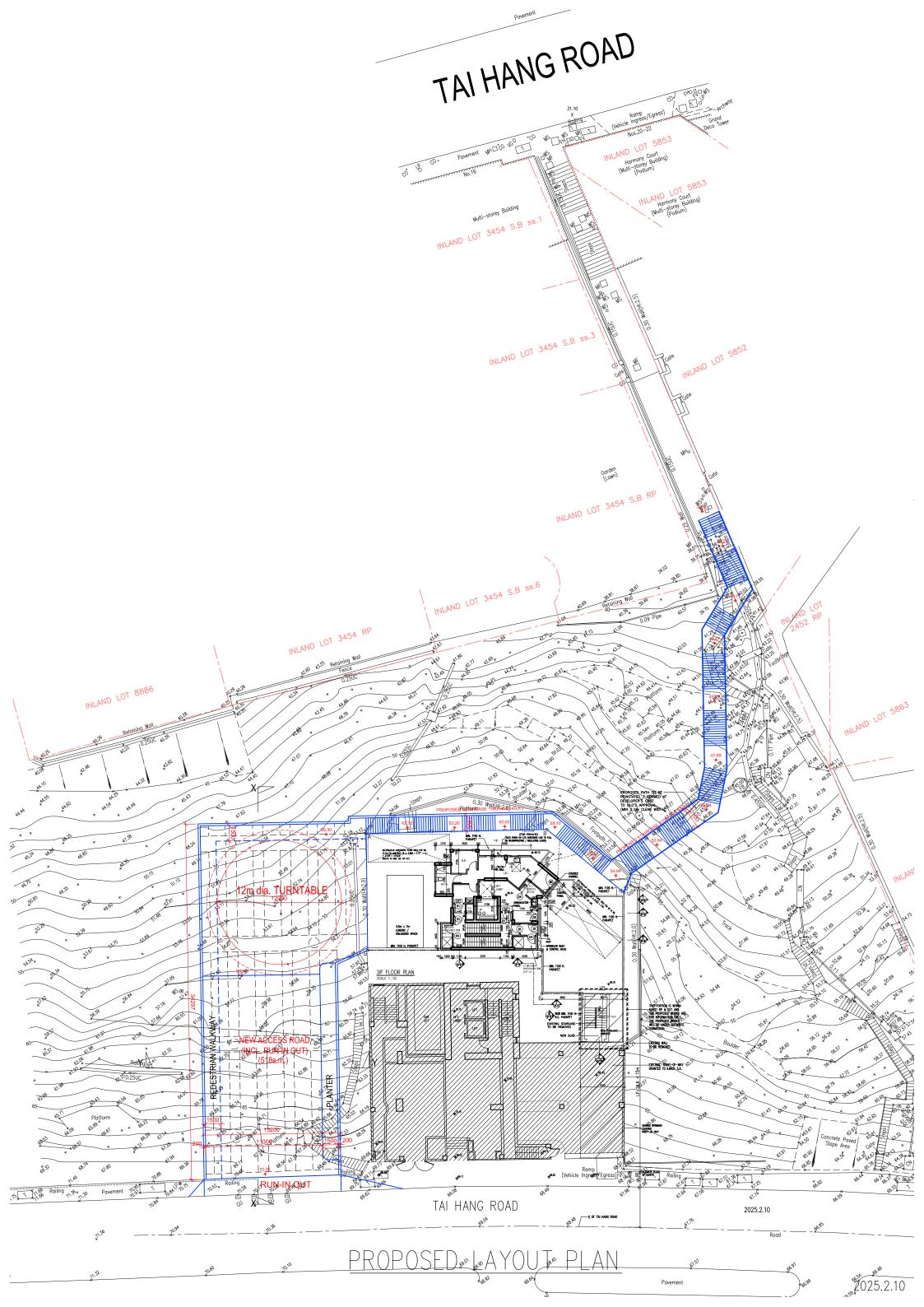
4. CONCLUSION

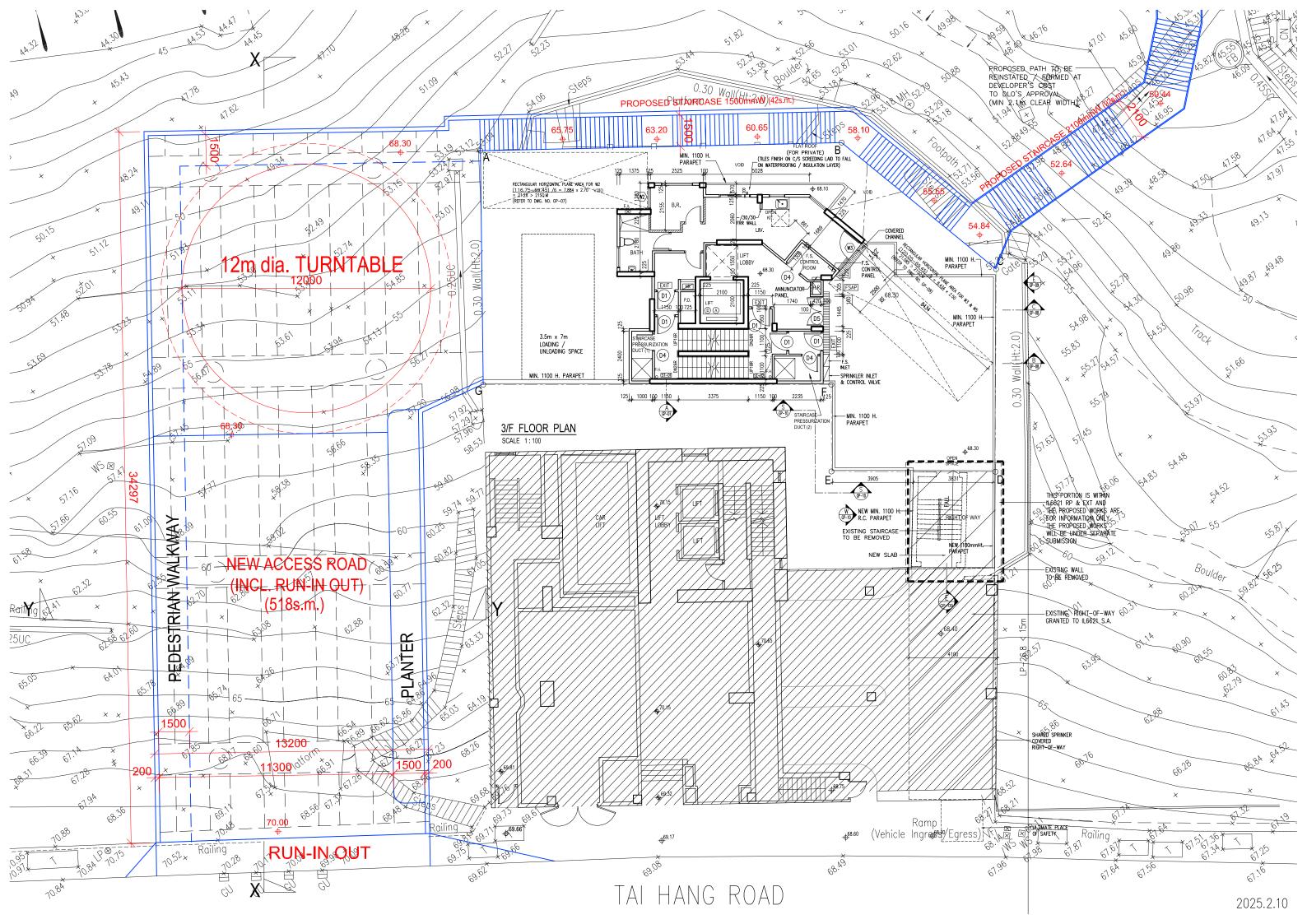
Based on the above assessment, it is concluded that the proposed development is geotechnically feasible and would have no adverse effects on adjoining grounds, buildings and wall features. Detail assessment will be addressed at detail design stages.

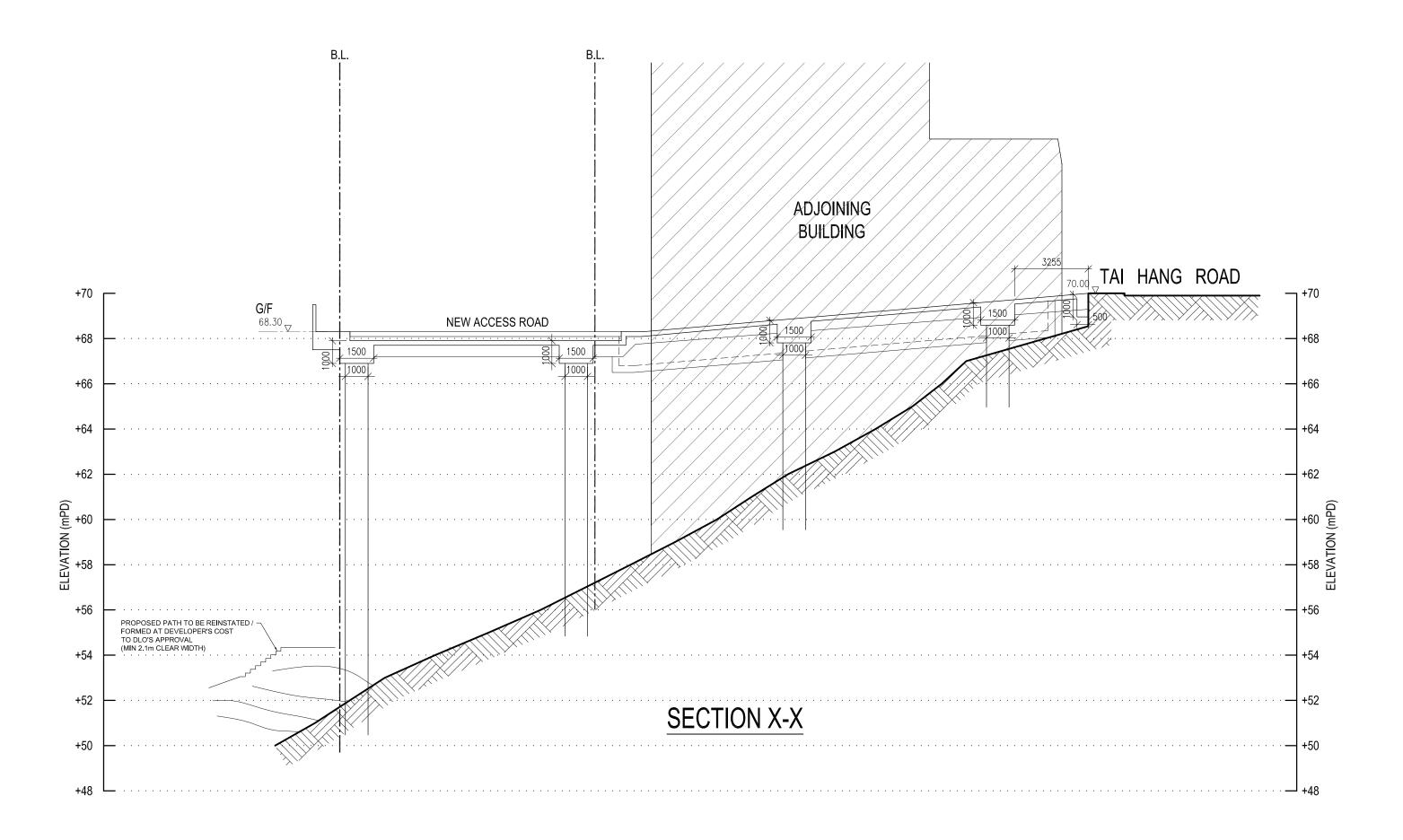
APPENDIX A

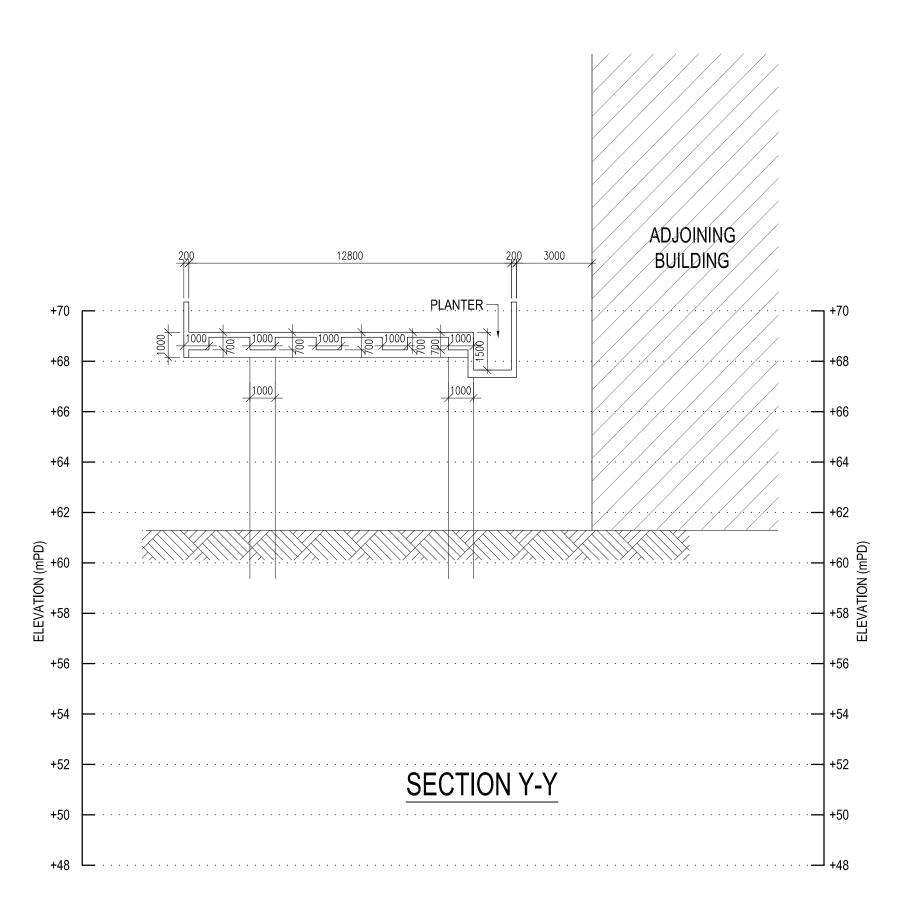
SCHEMATIC BUILDING PLANS











APPENDIX B

PHOTOS OF ADJOINING BUILDINGS



Front View of Area adjoining 60 Tai Hang Road



#B1 60 Tai Hang Road



#B2 10 Tai Hang Road



#B3 12-14 Tai Hang Road

APPENDIX C

GEOTECHNICAL FEATURE INFORMATION EXTRACTED FROM SLOPE INFORMATION SYSTEM

CEDD GEOTECHNICAL ENGINEERING OFFICE

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

BASIC INFORMATION

North East of Grandview Mansion, Below Tai Hang Road, Peak Location:

pre-1977 Date of Formation:

23-11-2007 Date of Construction/

Easting: 837850 Northing: 815350 Approximate Coordinates:

Modification:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with moderate traffic density

1.5 Distance of Facility from Crest (m):

Residential building Facility at Toe:

Distance of Facility from Toe (m):

Consequence-to-life Category:

N/A

Remarks:

SLOPE PART

(1) Max. Height (m): 34 Length (m): 45 Average Angle (deg): 45

CEDD GEDIECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/C 463

Feature No. 11SE-A/C 463

MAINTENANCE RESPONSIBILITY

Mixed Feature Mixed Feature Mixed Feature Mixed Feature

Party: IL 7426 Agent: N/A
Purty: IL 8756 Agent: N/A
Purty: Lands D Agent: Lands D
Purty: La 8886 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

06-09-2018 Date of Inspection:

Project Office Data Source:

Slope Part Drainage:

(1) Position: Berm Size(mm): 300
(2) Position: On slope Size(mm): 600
(3) Position: Toe Size(mm): 300

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

SLOPE PART

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

Material type: Soil Geology: N/A No. of Berms: 1 Min. Berm Width (m): 1 Size (mm): 65 Spacing (m): 1.2 Weepholes: Berm:

WALL PART

A/A

WALL PART

N/A

CEDD GEOTECHNICAL ENGINEERING OFFICE

(1911. ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/C 463

Feature No. 11SE-A/C 463

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Height(m):

Section No: 1-1

Type of Toe Facility: Residential building

Distance from Toe(m):

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

SERVICES

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

1.5 Distance from Crest(m): Consequence Category:

Engineering Judgement:

2-2 Section No: Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m): Consequence Category:

Engineering Judgement:

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:34

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Consequence category (for critical section):

Observations:

N/A

Emergency Action Required:

N/A Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Further Study:

Action By:

OTHER EXTERNAL ACTION

Check / repair Services:

Action By:

Non-routine Maintenance:

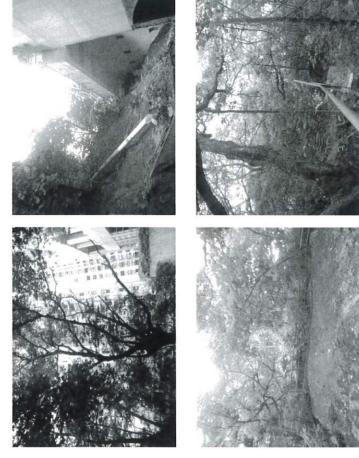
N/A Action By:



Feature No. 11SE-A/C 463

Feature No. 11SE-A/C 463







11SE-A/CR 110 Feature No. 11SE-A/C 463 11SE-AR 112 Podium 11SE-A/R 14 11\$E-A/C 821 11SE-A/F 215 11SE-A'C 407 11SE-A/C 127 11SE-A/R 198 11SE-A/CR 408 LHALLS MIND WIS 11SE-A/C 843 11SE-A/F 107 11SE-A/FR 106 11SE-A/C 463 175E-A/CR 858 11SE-A/CR 409 23 124/44WGP 115EAR 217 11SE.AR 45 11SE-AIR 201 11SE-A/C 430 A SOLUTION OF THE PROPERTY OF ADDINATION PON 2023 11SE-AR 36 11SE-A/CR 109 CEDD GEOTECHNICAL ENGINEERING OFFICE

(IVIL ENGINEERING AND DEVELOPMENT DEPARTMENT 1115E-AVR 398 dum 111SE-A/CR 103 11SE-A/R 199 11SE-A/R 32 CEDD GEOTECHNICAL ENGINEERING OFFICE 13E-A/C 844 11SE-A/R 205 11SE-A/C 124 中部 大坊圖 11\$E-A/R 33 11SE A.R 34 11SE-A/CR 106 115E-AR 224 11SE-A/CR 854 15E-A/R 373 11SE-A/NS 6

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:34

PAGE 7 OF 7

CEDD GEOTECHNICAL ENGINEERING OFFICE CIVIL ENGINEERING OFFICE

BASIC INFORMATION

I.L. 8886 No. 88-10 Tai Hang Road, Hong Kong Location:

pre-1977 Date of Formation:

01-06-1978 Date of Construction/ Modification: Easting: 837875 Northing: 815338 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Undeveloped green belt

Distance of Facility from Crest (m):

Facility at Toe: Residential building

0 Consequence-to-life Category: Distance of Facility from Toe (m):

N/A Remarks:

SLOPE PART

Average Angle (deg): 55 (1) Max. Height (m): 5 Length (m): 18.7

WALL PART

(1) Max. Height (m): 4 Length (m): 18.7 Face Angle (deg): 90

CEDD GEOTECHNICALENGINERING OFFICE

(UPIL ENGINEERING AND DEPELOPMENT) DEPARTMENT

Feature No. 11SE-A/CR 107

Feature No. 11SE-A/CR 107

MAINTENANCE RESPONSIBILITY

Private Feature Party: IL8886 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

22-11-2000 Date of Inspection:

GCSS 2/E1/RA21/1/2004 Data Source:

Slope Part Drainage:

(1) Position: Berm Size(mm): 251 (2) Position: On slope Size(mm): 251

(1) Position: Crest Size(mm): 275

Wall Part Drainage:

SLOPE PART

Other Cover: 0 Surface Protection (%): Bare: 0 Vegetated: 0 Chunam: 0 Shotcrete: 100 Material type: Soil Geology: Decomposed granite Material Description: Slope Part (1)

No. of Berms: 1 Min. Berm Width (m): 1 Size (mm): N/A Spacing (m): N/A Berm:

Weepholes:

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:47

CEDD GEOTECHNICAL ENGINEERING DEFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

WALL PART

Wall Part (1) Type of Wall: Berm: Weepholes:

Wall Material: Concrete Wall Location: Wall at toe No. of Berms: N/A Min. Berm Width (m): N/A Size (mm): 65 Spacing (m): 1.2

CEDD GEOTECHNICALENSINERING OFFICE

(1911. ENGINEERING AND DEVELOPMENT) DEPARTMENT

Feature No. 11SE-A/CR 107

Feature No. 11SE-A/CR 107

STAGE I STUDY REPORT

Inspected On: 14-03-2001

Weather: Mainly Fine

District: 1

Section No: Height(m):

Residential building H1:16,H2:11 Type of Toe Facility:

Distance from Toe(m):

SERVICES N/A

Undeveloped green belt Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

2-2 N/A Type of Toe Facility: Section No:

N/A Distance from Toe(m): Type of Crest Facility:

Distance from Crest(m):

Engineering Judgement: Consequence Category:

PAGE 3 OF 7

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:47

Feature No. 11SE-A/CR 107



PH0T0



Feature No. 11SE-A/CR 107

CEDD GEOTECHNICAL ENGINEERING OFFICE CIVIL ENGINEERING OFFICE CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Slope : No signs of seepage Wall : No sign of seepage Sign of Seepage:

Criterion A satisfied:

Slope: N/A Wall: N/A Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

N/A

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations:

Emergency Action Required:

N/A Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Further Study:

Action By:

OTHER EXTERNAL ACTION

Check / repair Services:

Action By:

Non-routine Maintenance:

Action By:



CEDD GEOTECHNICALENGINERING DEFICE CIVIL ENGINEERING DEVELOPMENT DEPARTMENT

BASIC INFORMATION

SOUTH OF CHERRY COURT, TAI HANG, HONG KONG Location:

pre-1977 Date of Formation:

Date of Construction/

Modification:

Easting: 837895 Northing: 815325 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

Distance of Facility from Crest (m): 2

Facility at Toe: Open car park

Distance of Facility from Toe (m): Consequence-to-life Category: N/A Remarks:

SLOPE PART

(1) Max. Height (m): 10 Length (m): 18 Average Angle (deg): 45

WALL PART

Face Angle (deg): 90 (1) Max. Height (m): 9 Length (m): 18

CEDD GEDITCHHIC ALENGINERING OFFICE CIVIL ENGINEERING OFFICE

Feature No. 11SE-A/CR 408

Feature No. 11SE-A/CR 408

MAINTENANCE RESPONSIBILITY

Mixed Feature Party: IL 3454 RP Agent: N/A Mixed Feature Party: Lands D Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

27-03-2019 Date of Inspection:

Data Source:

LPM (1) Position: Stepped Size(mm): 251 Slope Part Drainage:

(1) Position: Stepped Size(mm): 175 (2) Position: Toe Size(mm): 175 Wall Part Drainage:

SLOPE PART

Bare: 30 Vegetated: 20 Chunam: 0 Shotcrete: 0 Other Cover: 50 Material type: Sail & Rock Geology: N/A Slope Part (1) Surface Protection (%):

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

Size (mm): 65 Spacing (m): 1.2 Weepholes:

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:50

PAGE 1 OF 7

WALL PART

Wall Part (1)
Type of Wall:
Berm:
Weepholes:

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

Size (mm): 65 Spacing (m): 1.2

Feature No. 11SE-A/CR 408

Feature No. 11SE-A/CR 408

STAGE 1 STUDY REPORT

Weather: Mainly Fine

SERVICES

N/A

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:50

PAGE 3 OF 7

CEDD GEOTECHNICALENGINERING OFFICE

(IVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Inspected On: 18-04-1996

District: 1

Ξ Section No:

H1:19,H2:0 Height(m):

Open car park Type of Toe Facility:

Distance from Toe(m):

Residential building Type of Crest Facility:

Distance from Crest(m):

Consequence Category: Engineering Judgement: Section No:

2-2 A/A Type of Toe Facility:

N/A Type of Crest Facility: Distance from Toe(m):

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

CEDD GEOFECHNICAL ENGINEERING OFFICE (TVI) ENGINEERING OFFICE (TVI) ENGINEERING AND DEVELOPMENT DEPARTMENT

Slope : No signs of seepage Wall : Signs of seepage Sign of Seepage:

Criterion A satisfied:

Slope: N/A Sign of Distress:

Woll: N/A

Criterion D satisfied: Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Consequence category (for critical section):

Observations:

Emergency Action Required:

Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Further Study:

Action By:

OTHER EXTERNAL ACTION

Non-routine Maintenance:

CEDD GEOTECHNICAL ENGINEERING OFFICE

CEDD GEOTECHNICAL ENGINEERING OFFICE CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/CR 408

PH0T0

Feature No. 11SE-A/CR 408









Check / repair Services:

Action By:

Action By:



BASIC INFORMATION

BACK OF 16-18, TAI HANG ROAD, TAI HANG, HONG KONG Location:

pre-1977 Date of Formation:

Date of Construction/

Modification:

Easting: 837915 Northing: 815312 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

Distance of Facility from Crest (m):

Facility at Toe: Residential building

Distance of Facility from Toe (m):

Consequence-to-life Category:

Remarks:

SLOPE PART

(1) Max. Height (m): 13 Length (m): 32

Average Angle (deg): 50

WALL PART

Face Angle (deg): 85 (1) Max. Height (m): 4.2 Length (m): 28

CEDD GEDIECHNICAL ENGINEERING OFFICE CIVIL ENGINEERING OFFICE

MAINTENANCE RESPONSIBILITY

Private Feature Party: IL 3454 RP Agent: N/A
Private Feature Party: IL 3454 S.8 S.s. 6 Agent: N/A
Private Feature Party: IL 3454 S.8 RP Agent: N/A
Private Feature Party: IL 6621 S.A Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

05-01-1998 Date of Inspection:

Data Source:

(1) Position: Stepped Size(mm): 325 Slope Part Drainage:

(1) Position: Toe Size(mm): 125 Wall Part Drainage:

SLOPE PART

Bare: 20 Vegetated: 20 Chunam: 60 Shotrete: 0 Other Cover: 0
Material type: Soil Geology: Decomposed granite
No. of Berms: N/A Min. Berm Width (m): N/A
Size (mm): N/A Spacing (m): N/A Slope Part (1) Surface Protection (%): Material Description:

Weepholes:

WALL PART

Wall Part (1)
Type of Wall:
Berm:
Weepholes:

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

Size (mm): 65 Spacing (m): 1.2

CEDD GEOTECHNICAL ENGINERING OFFICE

(1911. ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/CR 110

Feature No. 11SE-A/CR 110

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: 1

Ξ Section No:

Height(m):

Type of Toe Facility: Residential building

Distance from Toe(m):

Residential building Type of Crest Facility:

(1) Utilities Type: Water Main Size(mm); 50 Location: On slope Remark: N/A (2) Utilities Type: Water Main Size(mm); 50 Location: On crest Remark: N/A

SERVICES

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

2-2 Section No:

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

RECORD RETRIEVED FROM SIS ON 10/10/2024 17:54

Sign of Seepage:

Sign of Distress: Criterion A satisfied:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Consequence category (for critical section):

GENERAL

ISE-A/CRID

Observations:

Emergency Action Required:

N/A

N/A Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

N/A Action By:

Action By: Further Study:

N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: Non-routine Maintenance:

N/A

N/A Action By:



Feature No. 11SE-A/CR 110



Feature No. 11SE-A/CR 110

PH0T0



Feature No. 11SE-A/F 215

Feature No. 11SE-A/F 215

BASIC INFORMATION

TAI HANG ROAD, HV Location:

Date of Formation: pre-1977

Date of Construction/

Modification:

Easting: 837910 Northing: 815271 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Road/footpath with moderate traffic density

Distance of Facility from Crest (m):

Undeveloped green belt Facility at Toe:

0 Distance of Facility from Toe (m):

Consequence-to-life Category:

N/A Remarks:

SLOPE PART

(1) Max. Height (m): 10 Length (m): 36 Average Angle (deg): 30

WALL PART

N/A

CEDD GEDIECHNIC ALENGINEERING OFFICE CIVIL ENGINEERING OFFICE

MAINTENANCE RESPONSIBILITY

Government Feature Party: HyD Agent: HyD

DETAILS OF SLOPE / RETAINING WALL

21-10-2011 Date of Inspection:

Data Source:

N/A Slope Part Drainage:

N/A Wall Part Drainage:

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 Material type: Soil Geology: N/A No. of Berms: N/A Min. Berm Width (m): N/A Size (mm): N/A Spacing (m): N/A

Weepholes:

WALL PART

N/A

Feature No. 11SE-A/F 215

CEDD SEDICEMENT ALE BISINEERING OFFICE CYPLE CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/F 215

STAGE 1 STUDY REPORT

Inspected On:

District: 1 Weather:

Ξ Section No:

Height(m):

Type of Toe Facility: Undeveloped green belt

Distance from Toe(m):

Utilities Type: Cable Size(mm): O Location: On crest Remark: Size cannot be determined Utilities Type: Electricity Size(mm): O Location: On crest Remark: Size cannot be determined

SERVICES

Utilities Type: Gas Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Sewer/Drain Size(mm): 150 Location: On crest Remark: N/A Utilities Type: Telecom Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Telecom Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Telecom Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Telecom Size(mm): 0 Location: On slope Remark: Size cannot be determined

<u>-5664666</u>

Uillities Type: Water Main Size(mm): 50 Location: On slope Remark: N/A Uillities Type: Water Main Size(mm): 100 Location: On crest Remark: N/A

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

Distance from Crest(m):

ingineering Judgement: Consequence Category:

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:

Note: Criterion D satisfied: Non-routine maintenance required:

Masonry wall/Masonry facing:

Consequence category (for critical section):

Observations:

N/A

Emergency Action Required:

N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Action By: Further Study:

OTHER EXTERNAL ACTION

Check / repair Services:

Non-routine Maintenance:

Action By:

N/A



Feature No. 11SE-A/F 215

PH0T0





Feature No. 11SE-A/C 430

BASIC INFORMATION

CEDD GEOTECHNICAL ENGINEERING DEFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Tai Hang Road, Hong Kong East Location:

post-1977 Date of Formation:

04-11-2004 Date of Construction/

Modification:

Easting: 837845 Northing: 815281 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

Distance of Facility from Crest (m):

Facility at Toe: Residential building

17 Consequence-to-life Category: Distance of Facility from Toe (m):

N/A Remarks:

SLOPE PART

Average Angle (deg): 50 (1) Max. Height (m): 25 Length (m): 95

WALL PART

N/A

CEDD GEOTECHNICAL ENGINERING OFFICE (IVIL ENGINEERING AND DEVELOPMENT) DEPARTMENT

MAINTENANCE RESPONSIBILITY

Mixed Feature Party: HyD Agent: HyD Mixed Feature Party: Lands: D Agent: Lands D Mixed Feature Party: IL 3289 5.J Agent: N/A Mixed Feature Party: IL 8226 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

17-09-2020 Date of Inspection:

Project Office Data Source:

Slope Part Drainage:

Size(mm): 300 Size(mm): 300 (1) Position: Berm (2) Position: Crest

Wall Part Drainage: (1) Position: Toe Size(mm): 225

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 0 Vegetated: 10 Chunam: 0 Shotcrete: 90 Other Cover: 0

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

No. of Berms: 3 Min. Berm Width (m): 0.4 Size (mm): 50 Spacing (m): 1.2 Weepholes:

RECORD RETRIEVED FROM SIS ON 10/10/2024 18:02

RECORD RETRIEVED FROM SIS ON 10/10/2024 18:02

PAGE 1 OF 7

WALL PART

N/A

CEDD GEOTECHNICALENGINERING OFFICE

(1911. ENGINEERING AND DEFICIOPMENT DEPARTMENT

Feature No. 11SE-A/C 430

Feature No. 11SE-A/C 430

STAGE 1 STUDY REPORT

Inspected On: 16-02-2000

Weather: Mainly Fine District: 1

SERVICES

N/A

Residential building Residential building H1:28,H2:8 2-2 A/N N/A 11 Height(m): Type of Toe Facility: Type of Toe Facility: Type of Crest Facility: Type of Crest Facility: Consequence Category: Engineering Judgement: Section No: Distance from Toe(m): Distance from Toe(m): Distance from Crest(m):

Section No:

Consequence Category: Distance from Crest(m):

Engineering Judgement:

CEDD GEOTECHNICAL ENGINEERING DFFICE (TVI) ENGINEERING DFFICE (TVI) ENGINEERING AND DEVELOPMENT DEPARTMENT

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

Criterion A satisfied:

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

Wall: N/A

Non-routine maintenance required:

Criterion D satisfied:

Note:

Masonry wall/Masonry facing:

Consequence category (for critical section):

Observations:

Emergency Action Required:

Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D.

Action By:

Further Study:

Government Action By:

OTHER EXTERNAL ACTION

Check / repair Services:

Action By:

Non-routine Maintenance:

Action By:







Feature No. 11SE-A/C 430



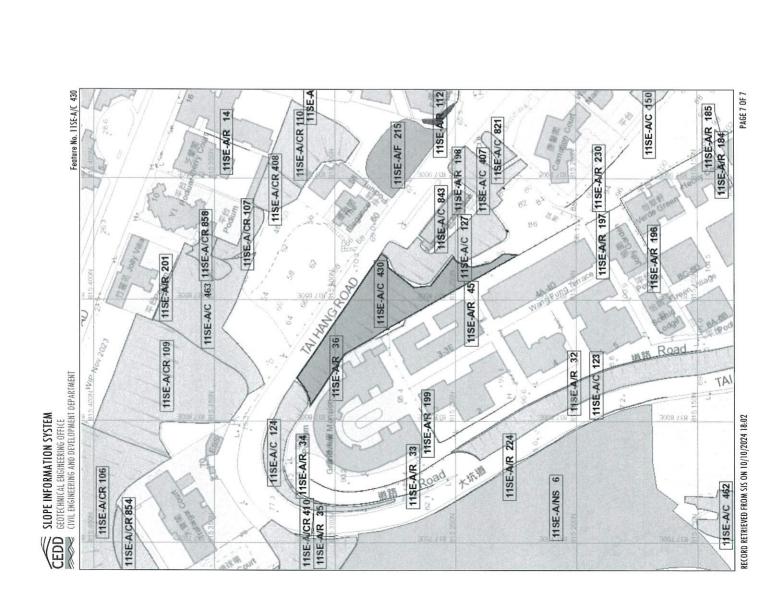








Feature No. 11SE-A/C 430



CEDD GEOTECHNICAL ENGINEERING OFFICE

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

BASIC INFORMATION

53-55, Tai Hang Road, Tai Hang, Hong Kong Location:

pre-1977 Date of Formation:

Date of Construction/

Modification:

Easting: 837875 Northing: 815247 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

3 Distance of Facility from Crest (m):

Residential building Facility at Toe:

Distance of Facility from Toe (m):

Consequence-to-life Category:

N/A Remarks:

SLOPE PART

(1) Max. Height (m): 21 Length (m): 45 Average Angle (deg): 55

WALL PART

N/A

CEDD GEOTECHNICAL ENGINEERING OFFICE CIVIL ENGINEERING OFFICE

Feature No. 11SE-A/C 127

Feature No. 115E-A/C 127

MAINTENANCE RESPONSIBILITY

Mixed Feature Party: 11.8226 Agent: N/A Mixed Feature Party: Lands D Agent: Lands D Mixed Feature Party: HyD Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

22-03-2019 Date of Inspection:

Project Office Data Source:

(1) Position: On slope Size(mm): 300 (2) Position: Toe Size(mm): 230 Slope Part Drainage:

(1) Position: Toe Size(mm): 225 Wall Part Drainage:

SLOPE PART

Bare: 20 Vegetated: 65 Chunam: 0 Shotcrete: 15 Other Cover: 0 Material type: Sail & Rack Geology: N/A No. of Berms: N/A Min. Berm Width (m): N/A Slope Part (1) Surface Protection (%): Material Description:

Size (mm): 50 Spacing (m): 1.5 Weepholes:

CEDD GEOTECHNICAL ENGINEERING OFFICE CIVIL ENGINEERING OFFICE

WALL PART

N/A

CEDD SEDIECHNICALENSINERING OFFICE

(TYLL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/C 127

Feature No. 11SE-A/C 127

STAGE I STUDY REPORT

Inspected On:

District: 1 Weather:

SERVICES

(1) Utilities Type: Water Main Size(mm); 40 Location: On slope Remark: N/A

Section No:

Ξ

Height(m):

Type of Toe Facility: Residential building

Distance from Toe(m):

Type of Crest Facility: Residential building

Distance from Crest(m):

13

Consequence Category:

Engineering Judgement:

2-2 Section No:

Type of Toe Facility:

Distance from Toe(m): Type of Crest Facility:

Distance from Crest(m):

Engineering Judgement: Consequence Category:

RECORD RETRIEVED FROM SIS ON 10/10/2024 18:06

Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Masonry wall/Masonry facing:

Consequence category (for critical section):

Observations:

Action By: Emergency Action Required:

N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Action By: Further Study:

OTHER EXTERNAL ACTION

Check / repair Services:

Non-routine Maintenance:

Action By:

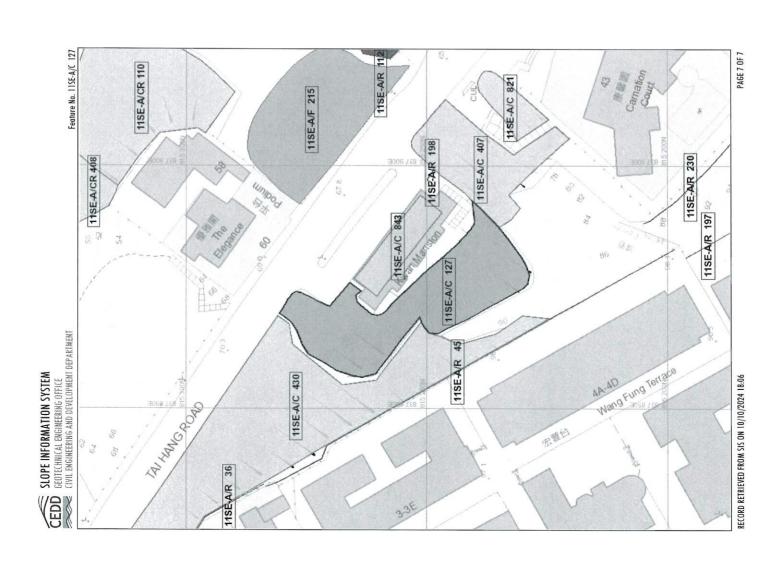
CEDD SEDICHMICAL ENGINEERING SYSTEM
SEDICHMICAL ENGINEERING SPFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/C 127

Feature No. 11SE-A/C 127

PH0T0

PAGE 5 OF 7



CEDD GEOTECHNICAL ENGINEERING OFFICE

BASIC INFORMATION

NO.55 TAI HAUJ ROAD, TAI HANG Location:

pre-1977 Date of Formation:

Date of Construction/ Modification:

Easting: 837882 Northing: 815256 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

Distance of Facility from Crest (m):

Facility at Toe: Road/footpath with moderate traffic density

0 Distance of Facility from Toe (m):

Consequence-to-life Category:

N/A Remarks:

SLOPE PART

(1) Max. Height (m): 12 Length (m): 45 Average Angle (deg): 50

CEDD GEOTECHNICAL ENGINEERING OFFICE

(IVIL ENGINEERING AND DEVELOPMENT) DEPARTMENT

Feature No. 11SE-A/C 843

Feature No. 11SE-A/C 843

MAINTENANCE RESPONSIBILITY

Private Feature Party: IL8226 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 01-02-2000

SIRST Data Source:

N/A Slope Part Drainage:

N/A Wall Part Drainage:

SLOPE PART

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

Berm:

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

WALL PART

N/A

WALL PART

N/A

CEDD GEOTECHNICAL ENGINEERING OFFICE CEDD GEOTECHNICAL ENGINEERING OFFICE

Feature No. 115E-A/C 843

Feature No. 11SE-A/C 843

Weather: Some Rain

SERVICES

Utilities Type: Electricity Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Electricity Size(mm): 0 Location: On slope Remark: Size cannot be determined Utilities Type: Sewer/Drain Size(mm): 40 Location: On crest Remark: Size cannot be determined Utilities Type: Sewer/Drain Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Telecom Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Water Main Size(mm): 0 Location: On crest Remark: Size cannot be determined Utilities Type: Water Main Size(mm): 0 Location: On crest Remark: Size cannot be determined

369636

Inspected On: 01-02-2000 STAGE 1 STUDY REPORT

District: 1

Ξ Section No:

H1:14,H2:0 Height(m):

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

2 Distance from Toe(m):

Residential building Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

ingineering Judgement:

2-2 Section No:

N/A Type of Toe Facility:

Distance from Toe(m):

N/A Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

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

Slope : Reasonable (near crest, mid-portion, at toe) Criterion A satisfied: Sign of Distress:

Criterion D satisfied:

Wall: N/A

N/A Note:

Non-routine maintenance required:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations:

Emergency Action Required:

Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Private Action By: Further Study:

OTHER EXTERNAL ACTION

Check / repair Services:

Action By:

Non-routine Maintenance:

Action By:

Feature No. 11SE-A/C 843

CEDD GEOTECHNICALENSINGORING OFFICE
(1911. ENGINEERING AND DEVELOPMENT) DEPARTMENT

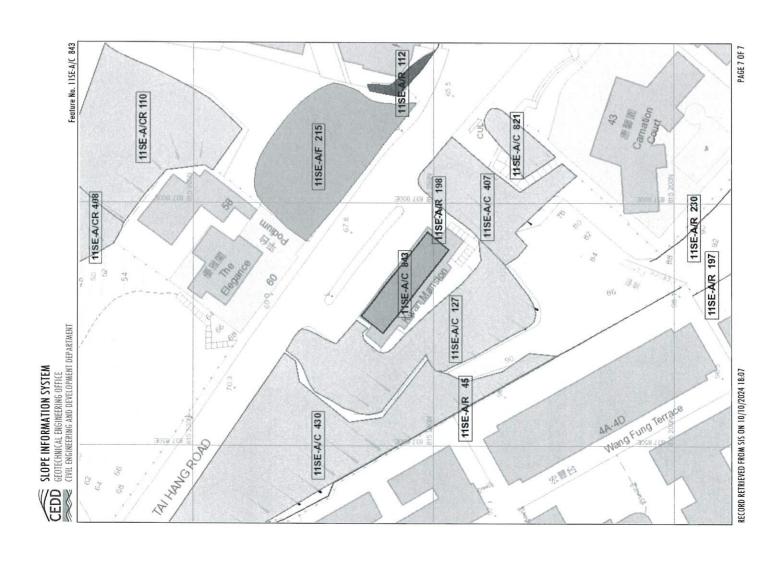
Feature No. 11SE-A/C 843

PHOTO





RECORD RETRIEVED FROM SIS ON 10/10/2024 18:07



BASIC INFORMATION

East of Tai Hang Road 53-55, Tai Hang Location:

pre-1977 Date of Formation:

01-06-1978 Date of Construction/

Modification:

Easting: 837898 Northing: 815249 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Open car park

Distance of Facility from Crest (m):

Residential building Facility at Toe:

Distance of Facility from Toe (m):

Consequence-to-life Category:

N/A Remarks:

SLOPE PART

N/A

WALL PART

Face Angle (deg): 80 (1) Max. Height (m): 7.1 Length (m): 5.7

CEDD GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 115E-A/R 198

Feature No. 11SE-A/R 198

MAINTENANCE RESPONSIBILITY

Private Feature Party: IL8226 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

12-07-2011 Date of Inspection:

Data Source:

LPM N/A Slope Part Drainage:

(1) Position: Stepped Size(mm): 275 (2) Position: Toe Size(mm): 225 Wall Part Drainage:

SLOPE PART

N/A

WALL PART

Wall Part (1) Type of Wall: Berm:

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

Weepholes:

CEDD GEOTECHNICAL ENGINEERING OFFICE

(1911, ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 115E-A/R 198

Feature No. 11SE-A/R 198

STAGE 1 STUDY REPORT

Inspected On: 07-01-1997

Weather: Mainly Fine

District: |

SERVICES

(1) Utilities Type: Sewer/Drain Size(mm): O Location: On slape Remark: Size cannot be determined (2) Utilities Type: Water Main Size(mm): O Location: On slape Remark: Size cannot be determined

Section No:

Type of Toe Facility: Residential building Height(m): 1, H2:7

Distance from Toe(m):

Open car park Type of Crest Facility:

Distance from Crest(m):

Consequence Category: Engineering Judgement:

2-2 Section No:

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Consequence Category: Distance from Crest(m):

Engineering Judgement:

CEDD GEOFECHNICAL ENGINEERING SYSTEM
GEOFECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Slope : N/A Wall : No sign of seepage Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

N/A

Note:

N/A

Consequence category (for critical section):

Masonry wall/Masonry facing:

Action By:

Emergency Action Required:

Observations:

Action By:

Check / repair Services:

OTHER EXTERNAL ACTION

Action By:

Non-routine Maintenance:

Action By:

Criterion A/Criterion D:

ACTION TO INITIATE PREVENTIVE WORKS

Action By: Further Study:

Slope: N/A Wall: N/A

Feature No. 11SE-A/R 198

CEDD GEOTECHNICAL ENGINEERING OFFICE

(IVIL ENGINEERING AND DEVELOPMENT) DEPARTMENT



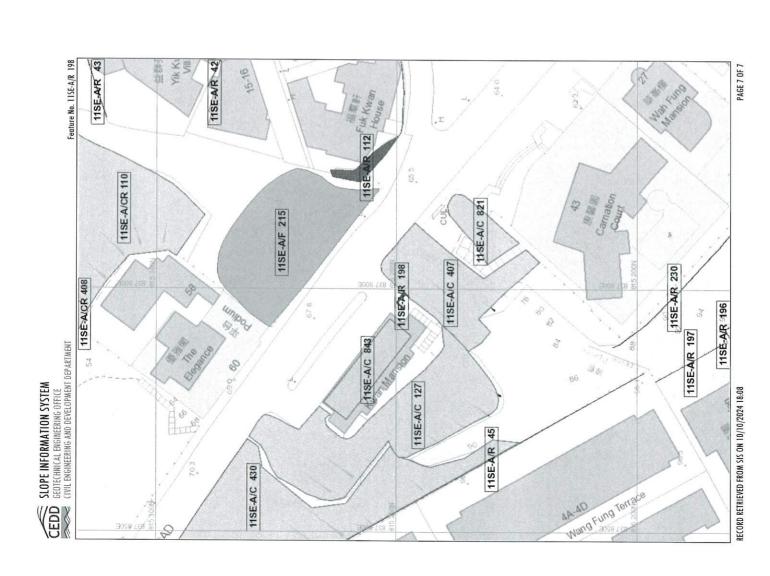




Feature No. 11SE-A/R 198

PHOTO

PAGE 5 OF 7



BASIC INFORMATION

Location: GRANDVIEW MANSION, TAI HANG ROAD, TAI HANG, HK.

Date of Formation: post-1977

Date of Construction/

Modification:

Easting: 837816 Northing: 815304 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

Distance of Facility from Crest (m):

Road/footpath with moderate traffic density Facility at Toe:

Distance of Facility from Toe (m):

Consequence-to-life Category:

N/A Remarks:

SLOPE PART

N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 21-04-2001

Data Source:

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 5 Length (m): 40 Face Angle (deg): 90

CEDD GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/R 36

Feature No. 11SE-A/R 36

MAINTENANCE RESPONSIBILITY

Private Feature Party: IL 3289 S.K RP Agent: N/A

RECORD RETRIEVED FROM SIS ON 10/10/2024 18:08

PAGE 1 0F 7

SIRST

N/A

Slope Part Drainage:

(1) Position: Toe Size(mm): 225 Wall Part Drainage:

CEDD GEOTECHNICAL ENGINEERING OFFICE

WALL PART

Wall Part (1)

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

Size (mm): 65 Spacing (m): 1.2

Feature No. 11SE-A/R 36

CEDD GEOTECHNICAL ENGINEERING OFFICE

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/R 36

STAGE 1 STUDY REPORT

Inspected On: 21-04-2001

Weather: Some Rain

District:

Ξ Section No:

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

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

Distance from Toe(m):

Residential building Type of Crest Facility:

2.5 Distance from Crest(m):

Remark: Size cannot be determined Remark: Size cannot be determined Remark: Size cannot be determined

Size(mm): O Location: On slope Size(mm): O Location: On slope R Size(mm): O Location: On crest R

Utilities Type: Sewer/Drain Utilities Type: Water Main S Utilities Type: Water Main S

Utilities Type: Electricity Size(mm); O Location: On crest Remark: Size cannot be determined Utilities Type: Sewer/Drain Size(mm); O Location: On crest Remark: Size cannot be determined

SERVICES

Consequence Category: Engineering Judgement:

2-2 Section No: Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

CEDD GEOTECHNICAL ENGINEERING OFFICE
(TVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Slope : N/A Wall : Slight to moderate seepage at or above mid-height Sign of Seepage: Criterion A satisfied:

Slope: N/A Wall: N/A Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Masonry wall/Masonry facing:

SQUARE RUBBLE WITH POINTING & CONCRETE TIE Note:

Observations:

Consequence category (for critical section):

Emergency Action Required:

Action By:

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D:

Action By:

Further Study:

Action By:

OTHER EXTERNAL ACTION

Check / repair Services:

Action By:

Non-routine Maintenance:

Action By:

CEDD GEDIECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/R 36

PH0T0









Feature No. 11SE-A/R 36

Feature No. 11SE-A/R 36 115E-A/CR 858 11SE-A/CR/107 11SE-A/C 127 AN INMONORMAN 11SE-A/C 430 11SE-A/R 45 11 SE-A/C 463 11SE-A/CR 109 1 26 CEDD GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT 11SE-A/R 199 11SE-A/R 32 Grandview SE-NR 224 14SE-A/C 128 平台 Podium 11SE-A/C 124 11SE-A/R 33 118E-A/R 34 20 Road 805

PAGE 7 OF 7

BASIC INFORMATION

Location: NO.4A-4D, WANG FUNG TERRASE, TAI HANG HANG ROAD.

post-1977 Date of Formation:

Date of Construction/

Easting: 837879 Northing: 815206 Approximate Coordinates:

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Residential building

Distance of Facility from Crest (m):

Remote area or abandoned facilities Facility at Toe:

Distance of Facility from Toe (m):

Consequence-to-life Category:

Remarks:

SLOPE PART

N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 24-02-2000

Data Source:

N/A Slope Part Drainage: Wall Part Drainage: (1) Position: Crest Size(mm): 125

SLOPE PART

N/A

WALL PART

(1) Max. Height (m): 8 Length (m): 54.5 Face Angle (deg): 90

SLOPE INFORMATION SYSTEM
SEDECHICAL ENSINERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/R 45

MAINTENANCE RESPONSIBILITY

Private Feature Party: II 3289 S.M.S.O.S.P.&.RP Agent: N/A Private Feature Party: II 3289 S.J. Agent: N/A Private Feature Party: II 3289 S.K.RP Agent: N/A

Feature No. 11SE-A/R 45

RECORD RETRIEVED FROM SIS ON 10/10/2024 18:08

PAGE 1 0F 7

CEDD GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

WALL PART

Wall Part (1)

Type of Wall: Berm: Weepholes:

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

CEDD SEDIECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/R 45

Feature No. 11SE-A/R 45

STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: 1

Section No:

Ξ

Height(m):

Type of Toe Facility: Remote area or abandoned facilities

Distance from Toe(m):

SERVICES N/A

Type of Crest Facility: Residential building

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

2-2 Section No:

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:

CEDD GEOTECHNICA ENGINEERING DEFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Criterion A satisfied: Sign of Distress:

Sign of Seepage:

Criterion D satisfied: Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Consequence category (for critical section):

Observations:

N/A

Emergency Action Required:

A/N Action By:

ACTION TO INITIATE PREVENTIVE WORKS

N/A Criterion A/Criterion D:

N/A

Action By:

Further Study:

N/A Action By:

OTHER EXTERNAL ACTION

Check / repair Services:

Action By:

N/A Non-routine Maintenance: Action By:

CEDD GEOTECHNICAL ENGINERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 11SE-A/R 45

Feature No. 11SE-A/R 45







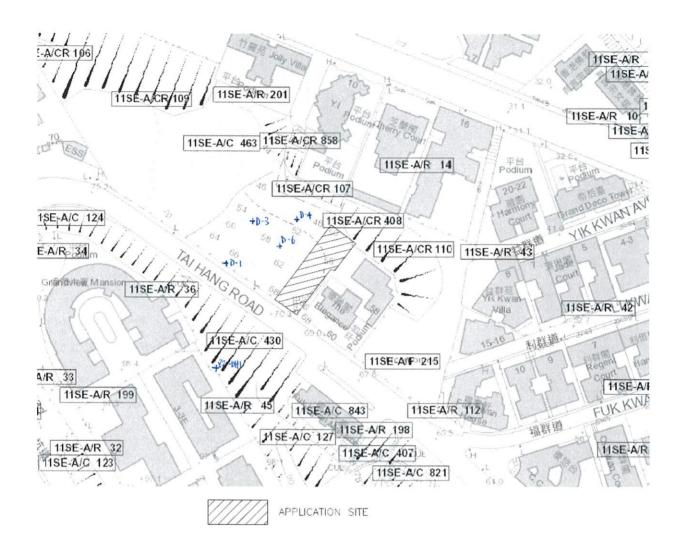
PHOTO

PAGE 5 OF 7

PAGE 7 OF 7 Feature No. 11SE-A/R 45 11SE-A/CR 110 11SE-A/R 43 11SE-A/R 42 11SE-A/C 150 11SE-A/C 401 11SE-A/R 185 11SE-A/C 936 11SE-AR 112 11SE-A/R 14 11SE-A'C 407 11SE-A/F 215 11SE-AJR 184 11SE-AR 197 11SE-AR 230 11SE-AIR 45 11SE-AIC 127 11SE-AIR 198 11SE-A/CR 408 MSE-A/C 843 11SE-A/CR 107 11SE-A/C 463 11SE-A/CR 858 All May a state of the state of 11SE-A/R 196 11SE-AIR 201 11SE-A/C 430 64 CEDD GEOFECHRICAL ENGINEERING DEFICE CIVIL ENGINEERING DEVELOPMENT DEPARTMENT 11 SE-A/R 36 11SE-A/C 123 11SE-A/CR 109 14SE-A/R 32 TAI HANG ROAD RECORD RETRIEVED FROM SIS ON 10/10/2024 18:08 11\$EAR 33 11SE-A/R 224 11SE-A/C 124 11SE-A/CR 106 11SE-A/NS 6 11SE-A/R 34 11SE-A/C 462 大坑灣

APPENDIX D

EXISTING GROUND INVESTIGATION RECORD



								Ľ,		1/		CONTRACTOR OF THE STATE OF THE									
SHEET 1 OF 4	K COREBIT	-76 0.00m-3.20m	m-10.40m 0m-25.15m	UND-LEVEL	Description	Loces brown to reddish brown silty fine to medium SAND.	(HL)	Reddish brown speckled yellowish brown slity fine to medium SAND.	(R.S.)	emanna chond habi di Tidaho	Indiana July Designation	white and black fine to a coarse grained slightly decomposed SEANIE. CORESTONE. C.D.C. at 8.5m-9.3m.	(S.D.G. CORESTONE)	ggyggerett Suffren	ere Nove in		не цестроски		PENARKS		
5 0	300	취실		3RO +68	Sone			۲					o						/88	/89	
5 5			\dashv	_	Grude	/VEVUVEVVO	******	5				25					>	=	1/12	3/2	
HAN					риэбач			X X X X	H H H H	+		·	::::: :::::			++		*	DATE 3	JATE 1	
TAI					Depth (m)		و ئىنىك	2	2.95	4.27) بيرانىيى	9	6.97		1.97	100	8.95				
8		2.89			Reduced		67.41		£.59										C.S.K	DC.LUI	
AT 6	TES	83784		z	2.6/qmp2	THE NOTES	INSEE					12-10:					ne	12-101	CECCED	CHECKE	
	RDINA	LJ Z	-	AT TO	Tasts				→ <u>ř</u> 4	3.2m						-	→Ĩ			NUCK	_
1 X	0-0			VERTIC	Frechire Index, /m					•	: ee	-	2		0	2		n	314	PENETR	WPLE ITY TEST
SE-	O	T	+	0	וני סיים:					97	ã	801	100	8	ğ	5		2	TER SA	ANDARD	PISTON SAMPLE PERMEABILITY TEST
1					Solid cord Recovery X					001	90	100	100	9	100	100		100			
31.0P					Total care Recovery R			50		8	§	8	100	8	100	8		90			
		o.		O O	Woter Recovery X														SAMPLI	SAMPLE	ED SAMP D SAMP 76mm)
89		ચ			Water level/ umo/ dote						1.30m	3.00m 07:30					6.00m	6.30m 07:30	STURBED	TUPESELV EFF SAMP	U 100 UNDISTURBED SAMPLE U 78 UNDISTURBED SAMPLE MAZIER SAMPLE (76mm)
ECT 19	8	INE IN	-17	Z E	aite Sosing depth/	2			7.2m	¥								ř	3	N N	TER S
PROJ LPM	METH	MACH	-D2G-	WATE	Progress Progress			г,	\$115/89		rz,	10,					a,	21/12	à .		E C C C
	T: 1-CON TRACT GE/81/702 OF GE.S.DDATE FROM GALLAGE BOOM 1989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG ROAD SHEET 1 OF	100N RAC: 02/702 89/90 SLOPE 11SE-A/F62 AT 6-8 TAI HANG CO-ORDINATES	1. CONTRACT BE 1989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG CO—ORDINATES E & No. E 833842.89	1.00N RACT 02/87/02 989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG CO—ORDINATES E 837842.89 N 815311.07	FIGURE 11SE – A/F62 AT 6—8 TAI HANG CO-ORDINATES E & No. N 815311.07 G MEDIUM ORIENTATION VERTICAL	CONTRACT CLASTANCE CONTRAC	CON RACT CON RACT	CONTRACT CONTRACT	COONTRACT OF THE COONTRACT OF THE HANG OF	CON RACT CON RACT	CON RACT CON RACT	CON RACT	CONTRACT 102/30/202	CONTRACT CONTRACT	POUNTANCE CONTRACT CONTRACT	CONTRACT 1989/90 SLOPE 11SE	CONTRACT CONTRACT	CONTRACT CONTRACT	ROJECTI: LPM 1989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG LETHOD CO-ORDINATES ROTAN AND NOTE 11SE—A/F62 AT 6—8 TAI HANG LETHOD CO-ORDINATES ROTAN AND NOTE 11SE—A/F62 AT 6—8 TAI HANG LETHOD CO-ORDINATES ROTAN AND NOTE 11SE—A/F62 AT 6—8 TAI HANG LETHOD CO-ORDINATES ROTAN AND NOTE 11SE—A/F62 AT 6—8 TAI HANG LETHOD NOTE 11SE 11SE 11SE 11SE 11SE 11SE 11SE 11	POLECT: POLETT: POLECT: POLETT: POLECT: POLE	FOURTING NOTE 115E - A F62 AT 6-8 TAI HANG

L		250				The same of the sa		-	J.W.	그	DRILLHOLE		ŏ	RECORD	, w. o.	a	PW7 /2/19.219	/19.21	6
(42)				-	A FDU	SOLETANGHE DUNDATIONS 389	BACHY SOLETANCHE CROUP BOL & FOUNDATIONS JPSCALUSTS	and the same	TOAGTMOO	TOV	00/18/00	50/	L C	i.	HOLE N	No. D-1	Q 27, C1,	Paris /	2,0
Ig.	PROJECT:							Í	200	2	0/33	70/	5	n 1		77	15/00	Z COTO	0/7
	LPM 1989,	88	3 06/	SLOPE	Ē 11	SE	-A/F	F62	AT 6	8	IA	HANG		ROAD	SHEET	11		95	4
X	METHOD					-	CO-ORDINATES	RDIN,	ATES				8	ROCK	COREBIT				
œ	ROTARY					Т		ш	837842.89	42.89				T2-10					
ž °	MACHINE D2G-17	¥	Š.					z	815311.07	1.07			Ξ	HOLE DIA.	DIA.	3.20m-3.20m 3.20m-10.40m 10.40m-25.15m	0.40m	X X X	J
E 3	FLUSHING		MEDIUM			-	ORIENTATION	TATIC	N C				Ō	ROUND-L		占			
Politho	Progress Cosing depth/	Water Ievel / tme/ date	Hecoraly &	Tatal core	Solid core X Yerdooff	ษชบ	Froctore m\ xabal	Tests	Samples	Roduced	Pep (E)	pueden	- ebang	Buoz		Description	55		
سسد	10.40m	ET		001	100	2	n				5								
ىتىس				100	8	100	0	·			11.08								
	99/21/			9	8	90	0				mmm 2								
	7+2			001	8	8	-	(
سسلة		12.00m 19:30		100	8	001	2	·,·····			13,80								
سسستس		10.50m 07:30		DDT.	8	ē	D						=		Grey mottled pink speckled white and black fine to coorse grained slightly	ttled p d black	Ink sp k fine slight	eckled to	73
ىڭسىسىتى				ā	ã	ğ	a		72-101			; + ; + ; + ; + ; + ; + ; + ; + ; + ; +	THE RESERVE OF THE PERSON OF T	U	GORESTONE (S.D.G. O	Seed DE	BE GRANITE (E. CORESTONE)	v o	
ասանաստ	58\1Z\69			ē	8	퉏	٥	·											
ىسىلتىر				50	8	ā	a	,			بيبيين								
يسي				20							19.00	: ::[2						
				201			1		12		19.70]00	\> B						
2 4	SHALL D	SHALL DISTURBED SAMPLE	SAMPLE	7	¥ 20 €	WATER SAMPLE	MPE			100	1		1	1	RDLARKS				
+-+ 1	BULK DIS	BULK DISTURBED SAMPLE	31dmvs			WATER LEVEL	椅.			LOGGED C. S. KONG	وا	DATE 31/12/80	12/1	0 0					
m ==		U 100 UNDSTURBED SALPLE	E 5ML			ST	STANDARD PEACHRAINDH TEST	MOLEN			1					5			
m 22	_	U 70 UNDISTURBED SAMPLE (YGMM)	Tomm)		C 141	PERMEABILITY TO	PISTON SAUPLE PERMEABILITY TEST	۲											
-	- 1									-					-	-			

OF C.E.S.DDATE from22/12/88 30/12/88 Yellowish brown mattled light pink speckled white and black fine to medium <u>SAND</u> with M.D.G. cobbies. strong phir motted gray scrong phir word block fine to white and block fine to the medium grinder slightly decemposed to moderately decemposed facilities and society to medium spaced lants, with limonite stained. Johits are dipping 20° +40°. Yellowish brown mottled pink aspeckled white and black fine to medium SAND. DRILLHOLE RECORD W. O. PW7/2/19.219 HOLE DIA, 0.00m-3.20m PX 3.20m-10.40m HX 10.40m-25.15m NX GROUND-LEVEL 1 P (S.D.G CORESTONE) (M/S.D.G.) -See sheet 2 of 4. HOLE NO. ROCK COREBIT T2-101, T2-76 ROAD SHEET RELANGES +88.91mPD OGGED C.S.KONG DATE 31/12/86 CHECKED C.LUN DATE 13/2/89 Grada . LPM 1989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG METHOD | CO—ORDINATES CONTRACT GC/87/02 ризбел 24.50 28.35 29.75 HE E 22,00 23,00 23.30 Reduced E 837842.89 N 815311.07 72-76 Samplea ORIENTATION 1 216 0.3m Toets →1 4 E 2 STANDARD PENETRATION TEST VERTICAL PERMEABILITY TEST Fracture Indox /m 0 0 WATER SAMPLE WATER LEVEL BACHY SOLTANCHE 100 100 8 90 23 5 צי סי סי Soid core 9 100 100 8 93 3 67 100 100 60 Total core Recovery X 8 R R U 100 UNDISTURBED SAMPLE U 78 UNDISTURBED SAMPLE SALAL DISTURBED SAMPLE BULK DISTURBED SAMPLE BACHY MAZIER SAMPLE (78mm) אַמןפּנ אַמןפּנ DZG-17 FLUSHING MEDIUM S.P.T. LINER SAMPLE MACHINE & No. 7.50m 18:30 28.00m 07:30 Water Ibre/ thme/ date PROJECT: 25.15m KX Casing depth ROTARY WATER 99/21/09 Progress

ACTIVE STATE OF STATE	S Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	MII	Total core	Solid core Recovery X	11 SE A T Se Se Se Se Se Se Se	ORIENTAL CO-ORDINA C	크 이는 마 : 마 : 마 : 마 : 마 : 마 : 마 : 마 : 마 : 마	AT 6-8 NATES 10 N 01 53.11.07 1 2.72 Samples 12 N 01 53.11.07 1 2.72 Samples 13.77 1 2.72 Samples 14 N 0 1 53.11.07 1 2.72 Samples 15 N 0 1 53.11.07 1 2.72 Samples 16 N 0 1 53.11.07 1 2.72 Samples 17 N 0 1 53.11.07 1 2.72 Samples 18 N 0 1 53.11.	2 Days C Days	TAI t Compite	В 2 2 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C C C C C C C C C C C C C C C C C C C	ROAD ROCK 172-10 ROCK 172-10 ROCK 172-10	AT 6—8 TAI HANG ROAD SHEET 4 OF 4 AATES ROCK COREBIT T2—101, T2—76 HOLE DIA, 0.00m—3.20m PX HOLE DIA, 0.00m—3.20m PX HOLE DIA, 0.00m—23.15m NX GROUND—LEVEL +68.91mPD T2—76 T2—76 T2—76 T2—76 T2—77 T2—101, T2—76 HOLE DIA, 0.00m—2.5.15m NX GROUND—LEVEL +68.91mPD (S.D.G.) T2—76 T2—76 T2—77 T2—78 T2—101, T2—76 T2—101, T2
THINKS GENERALSO TRYES .	VABED S	SAMPLE		- Constant	WATER SAMPLE	크레 1		Оста	COCCED C.S.KONIG	9	олт. <u>31/12/88</u>	725	887	NOT WAS CITY OF THE PROPERTY O
I U 100 UNDSTURBED SAMPLE II U 70 UNDSTURBED SAMPLE II U 78 UNDSTURBED SAMPLE II MAZER SAMPLE (786mm)	ISTURBED STUTTED	D SAMPI SAMPI	w	+ □+	PISTON SAMPLE PISTON SAMPLE	PISTON SAMPLE PERTON SAMPLE PERTON SAMPLE	į E	j		1				

Moderately strong pink mottled yellowins hrown peekled white and block fine to coarse grained moderately decomposaging moderately decomposaging with weak zone at 8.8m-9.60m. HOLE No. 0-3 CONTRACT GC/87/02 OF C.E.S.DDATE from 3/1/89 to 5/1/89 Yellowish brown mottled pink and black speakled white fine to medium <u>SAND</u>. PW7/2/19.219 Loose brown to dark brown silty fine to medium SAND with gravel and cobbles. Ϋ́ X Descometer installed at 3.00m & 13.00m. Р HOLE DIA. 0.00m-7.00m 7.00m-14.60m (c.p.g.) GROUND-LEVEL DRILLHOLE RECORD ... LPM 1989/90 SLOPE 11SE-A/F62 AT 6-8 TAI HANG ROAD SHET AETHOD | CO-ORDINATES | ROCK COREBIT ROCK COREBIT REMARKS +55.29mPD T2-101 euoz ОНЕСКЕВ С. LUN DATE 13/2/89 LOGGED C.S.KONG DATE 24/1/89 puəbaŋ 4.00 2 200 CF 7 4.45 8.00 Capth (FF) 6.43 9,10 2,00 Reduced E 837856.95 N 815322.93 Т⊠имгреслом РП 2-101 101-21 Samples ORIENTATION Tests -----₹ STANDARD PENCTRATION TEST VERTICAL SOL & FOLHOATIONS SPECIALISTS BACHY SOLETANCHE CROUP PERMEABILITY TEST Fracture Indox /m PISTON SAUPLE WATER SAMPLE WATER LEVEL שי סי מי 100 00 Solid core DOT 001 8 87 88 Total core 8 LANCE DISTURBED SAMPLE
 LO VION UNDISTURBED SAMPLE
 LO VION UNDISTURBED SAMPLE
 LO VION UNDISTURBED SAMPLE
 SAVALL DISTURBED SAMPLE 9 100 SOLETENCHE Mater Mater D2G-17 FLUSHING MEDIUM MACHINE & No. Water Ilma date HX 2.5m ROJECT: Scasho depth/ METHOD ROTARY PX X Progress Progress

	9	BACHY	12	40000	1 4	NAT 2 C	BACHY SOLETANCHE CROSS	-	DRILLHOLE	1	OLE		RECORD	0	D W. O. PW7/2/19.219
	SOLET		CHE	tion.	100	HOT TON	FTEUNDATE SPECIALIST	-	CONTRACT	RACT	GC/87/02	7/02	Q		HOLE No. D-3 C.E.S.DDATE from 3/1/89 to 5/1/89
- PRO	PM 1989	08	/00/	200		0,1		0.51/	1	(1		1		SHEET
METHOD	9			200		7	110		ATES	D	Ā	HANG		ROAD	Tiguado
ROTARY	ARY							L	837856 95	9 25				3 5	
MACHINE D2G-17	1 F	ઝ	No.					Z		2.93			1-	101	HOLE DIA. 0.00m-7.00m PX
FLUSHING	H		MEDIUM			f	ORIENTATION	TATIC	NO				10	3RO	
WATER	8					-	VERTICAL	ICAL						+55	+55.29mPD
Drilling Progress	Coeing depth,	Water I evel / time / date	Recovery 7	Total core Recovery \$	Solid core	R. Q. D.	Fracture m\ xebnl	Tasts	seldmos	Reduced	Depth (m)	риобат	*pai6	Buoz	Description
Ţ	ž) or o		100	100	*6	0	_			19.23	* + +	L	T	
		05.20		100	95	e N	۲.		101-21		ع أسسب				***************************************
				8	92	87	=				1	: + :			
				8		TALLED TO THE TALL TH		24			2 2 2		>	U	Moderately strong pink motited yellowish brown speckled white and black fine to codarse grained moderately decomposed granite with weak some of 1.1,47m=13.56m,
<u> </u>					2000			<u> </u>			13.00				14.36m=14.60m,
69/								N=72	7.6		13.50		I	-	(M.U.G.)
	Ę			8				ž	12-101				Б		May made Police Street
	¥							1	20	40.69	4.5		2		
2				8	902	8	м				29.	*			
ىىلىن		*************		1							15.77	****			
		12,30 19,30		8	50	§	-				16.81		= \1		Strong, pink mottled grey speeklad yellowish brown and black medium to
بالسييا		02:30		8	901	5	n		72-101					0	coorse gardner slightly to maderalely decomposed GRANITE with myelum spaced joints staffned with limonite and monganese, johits are dipping 20°-50°.
68/1/5 				8	100	E,	r-			e. H.I.L.	E S				(M/S.D.G.)
22		-		8	001	Š	0				BY BY	*****	ts		
	T DIST	SHALL DISTURBED SAMPLE	AMPLE	4	WA	WATER SAMPLE	PLE		1	1			1	-	REJARGS
	DISTU	BULK DISTURBED SAMPLE	WPLE	PI -	¥	MATER LEVEL	d		LOGGED C. S. KONG	SKO	0	DATE 24/1/89	7/8	0 0	
	UND!	U 100 UNDISTURBED SAMPLE	SAMPL	⊸ •	F 53	NDARD	STANDARD PENETRATION		O-ECKED C. LUN	Z C C	11	DATE 13/2/89	777	n]	
B U 76	SIGNO SALIS	U 76 UNDISTURBED SAMPLE MAZER SAMPLE	SAMPLE	□ H	PIST	PISTON SAUPLE	PISTON SAUPLE								Agrantino
		1	1	Н	5		1631								

7 .000

CON IRACT 6C/87/02 OF C.E.S.DDATE from 3/1/89 to 5/1/89 Moderately strong to strong, plik mottled grey speckled with mottled grey speckled will will be placed medium to core or grained elightly to moderately decomposed GalanliE, with closely to widely spoose for the stallned with limonite and monagenese, joints are dipping 20° –50° wweek zone of 23.75m –24.75m. ζ [±] PW7/2/19,219 T2-101 HOLE DIA. 0.00m-7.00m PX 7.00m-14.60m HY End of drillhole at 25.10m. OF (M/S.D.G.) DRILLHOLE RECORD W.O. HOLE No. GROUND-LEVEL LPM 1989/90 SLOPE 11SE-A/F62 AT 6-8 TAI HANG ROAD SHEET (CO-ORDINATES) ROCK COREBIT +55.29mPD euoz OGGED C.S.KONG DATE 24/1/89 CHECKED C.LUN DATE 13/2/89 20.38 Grada 25.10 ++++ IN Dapth (m) Reduced E 837856.95 30.19 N 815322,93 15 E ealdmos Wille. ORIENTATION Tasts WATER SAMPLE
WATER LEVEL
STANDARD PENETRATION (VERTICAL 20%, & FOUNDATIONS SPECIALISTS BACHY SOLETANCHE GROUP PISTON SAMPLE PERMEABILITY TEST Frecture Index. /m ٥ 8 10 0 100 90 100 100 \$ R. Q. D. 23 Solid core 100 8 88 8 100 59 Total core 00 80 00 8 100 38 SALL DISTURBED SAMPLE
 DATA DISTURBED SAMPLE
 TO 100 UNISTURBED SAMPLE
 U 700 UNISTURBED SAMPLE
 U 700 UNISTURBED SAMPLE
 MAZER SAMPLE (78mm.) BACHY die Corory K D2G-17 FLUSHING MEDIUM MACHINE & No. METHOD Cosing depthy ROTARY WATER Bulling East on 9 68/1/9 77 R 3

OF C.E.S.DDATE from 12/1/89 to 15/1/89 Yellowish brown mottled dark brown and pink speckled white slity fine to medium SAND. S.D.G. with M.D.G. at 9.9m-10.05m. PW7/2/19.219 Pink mottled white speckled yellowish brown and black slity fine to medium SAND. Brown to dark brown silty fine to medium SAND. g X † D Piezometer installed at 11.50m. HOLE DIA. 0.00m-7.50m 7.50m-13.1m H/M.D.G. DRILLHOLE RECORD W.O. HOLE No. GROUND-LEVEL ROCK COREBIT SHEET +48.82mPD T2-101 LPM 1989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG ROAD AETHOD | CO-ORDINATES | ROCK PUGZ LOGGED C.S.KONG DATE 23/1/89 DATE 13/2/89 Grado 5 2.80 2.80 3.90 4.50 5.80 6.85 6.85 6.85 7.50 CONTRACT 6C/87/02 puəfəq Harry (H) 8.95 9.00 8.50 7.50 8.50 OMECKED C. LUN E 837870.54 N 815326.41 0.00 ... Samples ORIENTATION Tapte STANDARD PENETRATION TEST VERTICAL BACHY SOLETANGHE GROUP PISTON SAMPLE PERMEABILITY TEST Fracture Index /m WATER SAMPLE WATER LEVEL וצי סי סי ж Кивооову ж Кивооову (otal core 8 8 9 1 100 UNDISTURBED SAMPLE
 U 70 UNDISTURBED SAMPLE
 MAZER SAMPLE (78mm) SMALL DISTURBED SAMPLE
BULK DISTURBED SAMPLE BACHY SOLETANCHE איזנפר קפבטאפה אי DZG-17 FLUSHING MEDIUM ROTARY MACHINE & No. S.P.T. LINER SAMPLE Water level time dote 1.00m 19:30 07:30 Cosing depth/ WATER

		「心質	BACHY	- COLUMN TO A STATE OF THE PARTY OF THE PART	BACHY SO	LE TANK	SACHY BOLETANCHE GROUP)RIL	三	DRILLHOLE	RE	RECORD	N.) W. O. PW7/2/19,219 HOLE No. D-4	
PROJ	PROJECT:		II					-	S I	ACT	CONTRACT GC/87/02		20	O.E.S	S.DDATE from 12/1/89 to 16/1/8	(89
LPM	13	1989/	06/	SLOPE)E 11	SE	-A/F	/F62 /	AT 6	-8	TAI	HANG		ROAD	SHEET 2 OF 3	********
METHOD	0 2					-	CO-ORDINATES	RDINA	TES				ě.	ROCK	COREBIT	T
MACHINE	J.M.	9. N	No.			T		Lil	837870.54	0.54				T2-101	01	1
D2G-17	-17		Q					z	815326.41	5.41			Ĭ	HOLE	DIA. 0.00m-7.50m PX 7.50m-13.1m HX	THE REAL PROPERTY.
FLUSHI	EN EN		MEDICK				ORIENTATION VERTICAL	TATIO	z				5	sour	GROUND-LEVEL	The same of the sa
Drilling Progress	Casing depthy	Water level/ time/ date	Жагет Жагет	Total core Recovery %	Байа сага Жұмуасын	B. Q. D.	Frocture Index /m	Tosta	Samples	reasj gegnesg	Dapth (m)	гедена	Grade	euaz	Describition	1
				8							10.06	+ + + + + + + + + + + + + + + + + + +				7
ستند				ĸ	***************************************			-	72-101		ىلىد	+			Moderately strong yellowish	- Non-constant
69/1,				801				- PZ	<u></u>		11.30	g(=ó	U	grey speckled black fine to medium grained highly to	nest description of
اللا الا			552.520	65							و و دريايي	+)"-			GRANITE with widely to medium spaced joints.	-
ء ئىس	13.10	3.5m		73								++++			(H/M.D.G.)	-
		Dry 07:30		100	50	901	2			18.72	13.10	1:::	 	-		7
سئس				8	8;	88	N					******				
				901	90	53	и				12 12 12 12 12 12 12 12 12 12 12 12 12 1	::::::::::::::::::::::::::::::::::::::			Strong pink mottled grev	
68/1/+1 #									72-101		: 91	·; ·; ·; ·; ·; ·; ·; ·; ·; ·; ·; ·; ·; ·	٥		speckled black and white fine to medium grained slightly to maderately decomposed CRANIE with alosey spaced blits, stained with management and limpairs.	***************************************
			1	001	3	8	-				17.63		T		Joints are dipping 30°-50°. (M/S.D.G.)	
<u> </u>	***************************************			ş	8	. 92	71				and many	· · · · · · · · · · · · · · · · · · ·	# # # # # # # # # # # # # # # # # # #		Sub-vertical Joint at 14.92m=18.21m.	- North Control of the Control of th
سأ	4.	4.50m	11/1	8	ş	5	a		******		20 5	;;;;	Т			reconstitute of
1/91	1-0	18.30m 07:30		100	8	901	0				18.84	::::				
1	ISIO TA	TURBED	SWALL DISTURBED SAMPLE		A WA	WATER SAMPLE	MPLE		1	200	0	08/ 1/ 26	10/ 1/	-	RENARICS	т
	Tald X	BULK DISTURBED SAMPLE	SAMPLE	P1 -		WATER LEVEL	9		COSCED C.S.A.C.	NO.LO.	2 2	DATE 13/2/89	17/8	n		_
	25 00	STURBE	U 100 UNDISTURBED SAMPLE			ANDARI	STANDARD PENETRATION		O SEANING	7	11	1	474	JI		-
E 2	ER SAL	U 76 UNDISTURBED SAMI	U 76 UNDISTURBED SAMPLE MAZIER SAMPLE (76mm)			PISTON SAWPLE PERNEABILITY II	PISTON SAMPLE PERMEABILITY TEST									g.Abrezina erta
- 1					١								1	-		-7

SOLETARCHE DA A POUR NOTATION OF C.E.S.DDATE from 12/1/89 to 16/1/89 HOLE DIA. 0.00m-7.50m PX 7.50m-13.1m HX DRILLHOLE RECORD W. O. PWD/2/19.219 End of drillhole at 23.00m. OF. Sub-vertical joint at : 22.67m-23.00m See sheet 2 of 3. Description (S.D.G.) GROUND-LEVEL ROCK COREBIT LPM 1989/90 SLOPE 11SE—A/F62 AT 6—8 TAI HANG ROAD SHEET METHOD | CO-ORDINATES | ROCK COREBI +48.82mPD RELARKS obm Zona OGGED C.S.KONG DATE 23/1,/89 CHECKED C.LUN DATE 13/2/89 2.00 риабол Pepth (⊞) E 837870.54 N 815326.41 salqmo2 ORIENTATION Tasts STANDARD PENETRATION VERTICAL Fracture Index /m PERMEABILITY TEST n • n PISTON SAMPLE WATER SAMPLE WATER LEVEL צ ס ש 98 83 7 Бойа сога Бойа сога 100 8 ă Total care 90 20 80 | MAZER SAUPLE (785mm)
| Union Underthere SAMPLE
| Union Union Underthere SAMPLE
| Union Undert Woler Recovery X PLUSHING MEDIUM MACHINE & No. Water time/ dote Caeing depthy METHOD ROTARY WATER

CONTRACT 6C/87/02 OF C.E.S.DDATE from 25/1/89to 26/1/89 DRILLHOLE RECORD W. G. PW7/2/19,219 K I Reddish brown to yellowish brown elity fine to medium SAND. Loose brown mottled dark brown slity fine to medium SAND. Yallowish brown mottled pink speckled white fine to medium SAND. Plezometer Installed at 20.0m. 9-0 P HOLE DIA. 0.00m-7.50m F (c.p.c.) (FIL) GROUND-LEVEL HOLE NO. LPM 1989/90 SLOPE 11SE-A/F62 AT 6-8 TAI HANG ROAD SHEET METHOD CO-ORDINATES ROCK COREBIT RELANCE +57.26mPD 4-OHECKED CLUN DATE 17/2/89 LOGGED C.S.KONG DATE 26/1/89 suoz Grade > redeug 8.50 895 6.50 Ca) 80.0 4.50 4.98 5.50 E 837868.58 N 815314.28 Will. ORIENTATION STANDARD PENETRATION TEST → ž Toets ----- in 11 2 VERTICAL BACHY SOLETANCHE GROUP PERUEABILITY TEST Fracture Index /m PISTON SAMPLE WATER SAMPLE WATER LEVEL Salid сата Я қесауату Ж Total core Recovery % * SALL DISTURBED SAMPLE

\$ BUCK DISTURBED SAMPLE

\$ U 700 UNDISTURBED SAMPLE

\$ U 700 U 700 UNDISTURBED SAMPLE

\$ U 700 U 700 UNDISTURBED SAMPLE

\$ U 700 8 100 BACHY Maler Recovery & D2G-17 FLUSHING MEDIUM ROTARY MACHINE & No. 2.50m 19:30 07:30 Water level time/ date 7 X X Cosjud depth/ WATER 68/1/57

C 40	BACHY		> B		BACHY SCLETANCHE GROUP	CLE TAN	SCLETANCHE GROUP	GROUP	NAME AND ADDRESS OF THE PARTY O	DRILLHOLE	Ĭ,	JE S		0 5	RECORD	AD w. o. Pw7/2/19.219 HOLE No. D-6	6 2
la.	PROJECT:							Charles .	3	CONTRACT	2	60/81/05	-		3		
	LPM 1989	89	790	SLOPE		11SE.	Y-	/F62	2 A	AT 6-	8-	TAL	TAI HANG		ROAD		10
ž	METHOD						8	-OR	CO-ORDINATES	ES				æ	ROCK	COREBIT	
nc	ROTARY								LJ.	837868.58	3.58				_		
ž	MACHINE 020-17	એ	, o						Z	N 815314.28	.28			Í	HOLE	DIA. 0.00m-7.50m PX 7.50m-20.50m HX	×
<u> </u>	FLUSHING	1	MEDIUM				ORI	ENT	ORIENTATION	-				Ū	ROU	GROUND-LEVEL	Τ
3	WATER						3	VERTICAL	H.					-	+57.	+57.26mP0	T
Bulling	Progress Cosing depth/	Water Inval	Water Recovery K	Tatal core Recovery %	Solid core		R. Q. D. Fracture	Fracture Index /m	Tasta	zəlqmo2	Reduced	Dapth (m)	гедера	Grade	auoz	Description	
تسست	Ħ			8						7111113. 5°		10.85		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
سسا									1	E		11.30					
سائس				8					200325200			أسلسا				Yellowish brown mottled plnk speckled white fine to medium <u>SAND</u> .	χία
ىلتىسىد										Z		12.95				(C.D.G.)	
: ئىلىلىلىلى												13.59					a-ampirovatamieni
سست				ŝ					góz 1			14.50					An output lawyer
ىقىس									0.15m	0.7	A SECTION AND A			1			
2 2 2 3			miles illerin									15.50	4	>	œ.		-
سسا		-		3					į	7 5°		16.50					
سلئس									0.3m	50		16.80		************		Light pink mattled yellowlah brown speckled black fine to coarse SAND.	të a
												17.30	a	Tall Sales		(c.D.G.)	
L				3	—т				;			16.50	ol	2,010			
ىلتىب									0.3m			19.80	o	15=15=15			
ع ندست	Ħ	7.50m		ä			********		24.52			18,50	G -	.12-12-11			
•	1	SMALL DISTURBED SAMPLE	D SAMP	Ä	4	WATER	WATER SAMPLE	핅		1	DOOR S KONG	SNO.	DATE 26/1/89	11/9	68,	REMARKS	
E	BULK DI	BULK DISTURBED SAMPLE	SAMPI	щ	» -	WATE	WATER LEVEL	1 arrive	NOT Y	OFFICE	OHECKED C.LUN		DATE 17/2/89	7/2/	/89		
na tail		U 100 UNDISTURBED SAMPLE	THEO SA	MAPLE	-6	TEST	TEST					ll					
ED 62		U 76 UNDISTURBED SAMPLE (ASIMM)	AS CIE	APLE)	□ ₩	PISTO	PISTON SANPLE PERAEABILITY TEST	P.E. Y TESI	F								
		Section of the second			-			1							١	and the same of th	

H1	м			10/09/2001	nPD	55.5		g and moderately														***************************************		***************************************	
82-DH	jo		/G082	to d	+94.47	ntion		derately stron	at 21,28m.																
HOLE NO.	SHEET 3		W.O. No 00 12/311/G082	TE: 07/09/2001	GROUND LEVEL	Description	As sheet 2 of 3.	From 20,36-20,61m: Moderately strong and moderately decomposed.	End of Investigation hole at 21,28m																
RD		d, Tal Hang	W.C	DATE	GRC	ebsi2	Assi	From deco	End			 		•									REMARKS		
2		ang Roa			VERTICAL	риебеү	++			_		į										Ī.	lac	1	
R	00/12	g, Tal H			VER	(m)	-		-												-	1	00/	2001	č
5	GE/2000/12	Bulldin	ATES	E 837,847.17 N 815,263.58	NOI	Reduced		62	سست	ببييل	ىلىسى	 ulu	ши	ulu	بيبي	ببليد	1.1.1.1	ببباء	لبيب	шш	بيليد		F.S. Woo	11/09/2001	P. Barry
DRILLHOLE RECORD	CONTRACT NO.	PROJECT Feature No. 11SE-AICA39, Opposite Elegance Residential Building, Tal Hang Road, Tal Hang.	CO-ORDINATES	E 837, N 815,	ORIENTATION	Samples	-	- tr															LOGGED	DATE	CHECKED
	- 5	e Elegar				atesT																			
	150 aprz : 1984 Certicate No. CC349	Opposit				F.I.		0.0															Standard Penetration Fast	Shear Ica.	achar Test
AITEC 1013	Cortico Cortico	UCA3B,			H	R.Q.D.(%)		8															Bandana Pe	in situ Vine Siver Test Permatality Test	Implession Packer Tex
C.) LIN	The state of the s	11SE-A		84	WATER	S.C.R.(%)	_	76																>H0	
K (H.)	Fee (23742371 Fee (2374033) (SC	ure No.	SC	. DR 84	MOIC	Water (m.) Shiff end (%).	17.95m nt	08:00 97 18.04m 81 18:00				 -			-										
ENPACK (H.K.) LIMITED	Ĭ	T Feat	W+RC	E & No	NG ME	Casing size	17.	18.0				 				-						-	bed Sample	and Same	urbed Semp
WALL OF THE PARTY	THE REAL PROPERTY.	PROJEC	METHOD	MACHINE & No.	FLUSHING MEDIUM	esalgord Progress	10.9.01	. 21	22	i	2	 22		52		22		ki	28				Serial Denathed Sample		U100 Undiskulbed Se

ноце No. 82-DH 1	SHEET 1 of 3		No 00 12/311/G082	E: 07/09/2001 to 10/09/2001	GROUND LEVEL +94,47 mPD	Description	Soft, grey and yellowish brown, sandy, sily CLAY with some concrete fragments. (FILL)		Soft to firm, yellowah brown, very sandy SILT. (RESIDUAL SOIL)	Extremely week, yellowish brown and red, completely decomposed, medium grained GRANITE. (Sandy, clayey SILT)			Estremely weak, red. completely decomposed, medium granted GRANITE. (Siliy SAND)	Externely weak, locally very weak, yellowish brown. camplelely decomposed, medium grained GRANITE. (Coarse SAND with many angular medium to coarse gravel sized moderately weak rock fragments)			Estremely wask to very west, read and yellowing thown, completely decomposed, medium grained GRANITE. (Coarse SAND with some coarse grave and cobbie sized moderately weak rock fragments)	g an inspection pit was excavated by hand to 0,50m depth.	2. Plazometer tip installed at 13.10m depth. 3. Standpipe installed to 2.70m depth.		
DRILLHOLE RECORD	NO. GE/2000/12	Feature No. 11SE-A/C430, Opposite Elegance Residential Building. Tal Hang Road, Tal Hang.	W.O.	E 837,847.17 N 815,263.58 DATE:	ORIENTATION VERTICAL GROU	Grade Level (m) (m) (m)	Soft, gr		5	>	1 1 1 1 1 1 1 1 -		>	complete	0 0	02.8 - 22.58+	> 0 0 1	F.S. Woo	11/09/2001	KED P. Barry	12/09/2001
	4 U.S.	430, Opposite Elegance Reside	0-00	m z		R.Q.D.(%) F.L. Tests	41	anninn.	mmma	ATTITUTE .					2	3E	# # # # # # # # # # # # # # # # # # #	 	Test	Packer Treat	OATE
Civil Engineers & Contractors	Members then Many Many	PROJECT Feature No. 11SE-A/C	METHOD W+RC	MACHINE & No. DR 84	FLUSHING MEDIUM WATER	Progress Progress Casing size Start (%) S.C.R.(%)	XH 1582	0 B	06	00 .	52		9	7 85	0	П	86	Email Distanced Sample	>1-100	Matter Sample	ISPT Cheer Stanges III

	HOLE NO. 82-DH 1	SHEET 2 of 3		00 12/311/G082	07/09/2001 to 10/09/2001	GROUND LEVEL +94.47 mPD	Description	l of 3.	Extremely weak to weak, yellowish brown and grey, completely to highly decomposed, medium grained GRANITE. (Sity medium SAND with some coarse	cobble sized moderalely weak rock			Moderately strong to strong, grey, spotted black, moderately to slightly decomposed, fine to medium grained GRANITE. (CORESTONE)	ummik in umma asamle areas and links scattish	process to the process of the state of the s	Strong, cray, spotted black, slightly decomposed, fine to medium grained GRANITE. Joints are widely, occasionally closely to medium	ugfl, planar, extremely narrow, fron stained, 10"-25" and 80". 15-73m: Moderately strong and moderately stong and moderately stong and moderately sd.	From 15.80-17.18-21.28.80m and 21.18-21.28m : Wedium grained GRANITE. From 16.18-16.32m : Quartz vein.		From 18.30-18,44m : Moderately strong and moderately decomposed.			
-	\exists		i Hang.	W.O. No	DATE: (GROUN		As sheet 1 of	Extremely completel GRANITE	gravel and fragments			Moderatel moderatel grained G	Fyframoly	brown, cor medium gr	Strong, grammedium gra	spaced, ro dipping at From 15.5 decompos	Medium gr From 15.1		decompos		REMARKS	
	8		ad, Ta				Grade		AII/A				E	18		==				=	***************************************	REM	
	RECORD		lang Ro			VERTICAL	риебет	. a			- 0	9	+++	+++0	000	+ + +	+ + + + + + + + + + + + + + + + + + + +	+ + + + + + + + +	+ + + + + + + + +	+++	+ + + + +	1	1 1
		GE/2000/12	ig. Tal ł			VEI	(m) Debiy	10.90					13.50	25	5.53			<u></u>			1	Voo	È
	0	GEZ	l Bulldir	VATES	E 837,847.17 N 815,263.58	NOIT	Reduced	483.57		بالبناء			1100.00	+79.55 14	78.94	سليب		سسسا		LLLL	LLLLLL	F.S. Woo	
	DRILLHOLE	CONTRACT NO.	Featuro No. 113E-AIC430, Opposite Elegance Residential Building, Tal Hang Road, Tai Hang.	CO-ORDINATES	E 837	ORIENTATION	eelqmeS	28 200000000000000000000000000000000000	innin	8 E E E E E E E E E E E E E E E E E E E		u u 222-2223-	12.101	a i		# + E	14.50	- EF-CE —	17.02	12-12 12-12-13-13-13-13-13-13-13-13-13-13-13-13-13-	15 10 14 14 14 14 14 14 14 14 14 14 14 14 14	LOGGED	CHECKED
-			Elegan				alaaT					40								A			
1		15D 9002; 1994 Carticate No. CC545	pposit				F.L		10000000				2	S.	200	5 5						etraton Ten hay fest	
ENPACK (H.K.) LIMITED	Too I	Carlesta Sarkesta	C430, C			œ	R.Q.D.(%)						. 8		p	100		8		99	901	Standard Penetralia Shafta Vang Shear	increases Packer Packer Test
LIM	Contracts Annuy Ru	menn	SE-A			WATER	S.C.R.(%)						96		91	5		9		10 10 10 10 10 10 10 10 10 10 10 10 10 1	001	N/101 25 15	 E E E
X.	Ora & C.	Tel ITICITI Fe ITICITI	No. 1		DR 84		(%).A.D.T	86	99		90	0	100		35	100		100		88	100		
ACK (Civil Engineers & Contractors	Tat : 177	eature	W+RC	& No.	MEDIU	Water level (m) Shift start/ end					3.57m at	at 08:00				7/4000000		.,,		13.58m at 18:00	7	Sample
ENP/	6 1			1.000	NE &	ING N	exis gnissO					3	†									amps	deuroed ample s Sample
		100119	PROJECT	METHOD	MACHINE	FLUSHING MEDIUM	Progress	:	:	17		tt .	44.	25		5	4		85	19	10.00	Small Disturbed Patrio Sampre	U100 Lendersur