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Tracy Wing Sum LAW/PLAND

寄件者: Jessie Man Heng KWOK/PLAND
寄件日期: 2025年03月18日星期二 16:06
收件者: Tracy Wing Sum LAW/PLAND
主旨: Fw: A/YL-HTF/1190
附件: 理由.pdf; 車輛流量評估.pdf; Geotechnical Planning Review Report_July 2024.pdf; 圖片.pdf

From:
Sent: Tuesday, March 18, 2025 12:18 PM
To: Jessie Man Heng KWOK/PLAND <jmhkwok@pland.gov.hk>; tpbpd/PLAND <tpbpd@pland.gov.hk>
Subject: A/YL-HTF/1190

7. Justifications 理由

The applicant is invited to provide justifications in support of the application. Use separate sheets if necessary.
現請申請人提供申請理由及支持其申請的資料。如有需要，請另頁說明。

申請地點位于厦村邊緣分區 計劃大綱核準圖編號S/YL-HTF/12 的農業地帶內，申請地點共涉及2幅私人土地，申請地點地型不規則，地勢平坦，申請地點基本設施齊全(水電供應)，無須進行任何斬樹，土地平整(挖掘，填土)及隔斷水源等損害環境的開闢工作。申請地點設置1個露天存放建築材料範圍，面積約566平方米，佔申請地點約9.4%，餘下面積約4269平方米，佔申請地點約70%土地用作流動空間(車輛通道，行人通道，及走火通道)流動空間具緩衝協調作用，可舒緩發展對環境的影響，申請地點中部有其他村民借用作出入通道因此不會設置圍板。

申請地點不會設置工場活動(破碎，清洗，溶解及燃燒)。

按規劃署記錄，申請地點四周有不少類似案件獲得通過

檔案編號：A/YL-HTF/1141 臨時貨倉存放建築材料及雜貨(為期三年)於14-10-2023在有條件下批給臨時性質的許可。

檔案編號：A/YL-HTF/1123 臨時回收中心(五金)(為期三年)於10-09-2021在有條件下批給臨時性質的許可。

檔案編號：A/YL-HTF/1133 臨時露天存放全新車輛(私家車)建築材料，機器，器材貯存工具和零件及附屬辦公室(為期三年)於10-06-2022在有條件下批給臨時性質的許可。

申請地點位於元朗厦村，出入口位置寬闊明確，闊度不小於10米，可供消防車和其他緊急車輛進入，並有行車通道接駁雞伯嶺路，行車通道即由出入口接到雞伯嶺路的距離，行車通道闊度約6米，路面已平整為混凝土地面，可供駕駛人士安全使用，行車通道部份屬私人土地，已使用多年，一如以往，申請人會與各地段業權人共同負責行車通道的管理，維修及補養工作。我等只會使用輕型貨車及私家車進出場地，因此絕對不會影響鄰近道路的交通流量及對鄰近村民產生負面生活環境。而申請地點多年前已鋪上0.15米混凝土，因此如獲批准，我等不須要進行平整地盤的工作。

我等場地營業時間為星期一至星期六上午8時至下午6時，星期日及公眾假期休息。

申請地點只准私家車和5.5公噸以下的輕型貨車進入場內上落貨物，中，重型貨車包括貨櫃車嚴禁進入場內上落貨物及停泊。

車輛流量評估

至：城市規劃委員會

本場地共有 2 個私家車位及 2 個輕型貨車上落貨位，我等預計經常停泊及出入場地車輛流量。

進入場地 (私家車)

星期	時間	上午 8 時至 10 時前	上午 10 時至下午 6 時
----	----	---------------	----------------

1 至 6 車輛架次	預計有 2 架次	預計有 2 架次
------------	----------	----------

(輕型貨車)

星期	時間	上午 8 時至 10 時前	上午 10 時至下午 4 時
----	----	---------------	----------------

1 至 6 車輛架次	預計有 1 架次	預計每小時有 1 架次
------------	----------	-------------

離開場地 (私家車)

星期	時間	上午 8 時至 10 時前	上午 10 時至下午 6 時
----	----	---------------	----------------

1 至 6 車輛架次	預計有 2 架次	預計有 2 架次
------------	----------	----------

(輕型貨車)

星期	時間	上午 8 時至 10 時前	上午 10 時至下午 4 時
----	----	---------------	----------------

1 至 6 車輛架次	預計有 1 架次	預計每小時有 1 架次
------------	----------	-------------

以上為我等場地車輛進出預計流量評估

我等上述行車安排絕對不會影響雞柏嶺路的交通流量，懇請貴處批准

獲授權代理人 黃新和

建築材料



電子零件

Geotechnical Planning Review Report
on
Lot No. 126 (Part) & 128 in D.D. 128
Kai Pak Ling Road
Fung Kong Tsuen
Yuen Long

(Revision)

Philip So & Associates Consulting Civil & Geotechnical Engineers Ltd.
July 2024

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Figures

LP-01	Site Layout Plan
LP-02	Sections
Figure 3 & 4	Part Print of Hong Kong Geological Survey (HKGS) Map & Sheet 6 (Yuen Long)

Appendix

Appendix A – Slope information retrieved from SIS of CEDD

1.0 Introduction

1.1 Background

Warehouses are proposed at Lot No. 126 (Part) & 128 in D.D. 128, Kai Pak Ling Road, Yuen Long. The proposed development calls for specific geotechnical engineering inputs for the assessment of its engineering effects on the adjacent slope, wall and natural hillside.

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

To support the development proposal, this assessment is aimed at identifying the geotechnical feasibility of the proposed development and the existing slope, wall and hillside which may be affecting or be affected by the proposed development.

2.0 Site Location, Topography and Surrounding Environment

2.1 Site Description

The site is at a sloping ground with level platform at Yuen Long. The site layout plan of the proposed development site is presented in Figure 1.

According to the available SIMAR reports retrieved from Lands Department and SIS records obtained from Geotechnical Engineering Office (GEO), there are 6 registered geotechnical feature lies within or in the vicinity of the site.

2.1.1 Feature No. 6NW-A/C38

At the mid-portion of the site, there is a cut slope with Feature No. 6NW-A/C38. The slope is max. 3.2m high and 120m long with average angle of 48°. Non-dangerous goods storage site is situated on slope crest and lightly-used open area is situated at slope toe. The owner of Lot No. 126 in D.D. 128 is responsible for the maintenance of sub-division 1 of the Feature and Lands Department is responsible for the maintenance of sub-division 2 of the Feature. The location of the Feature is presented in Drawing No. LP - 01.

2.1.2 Feature No. 6NW-A/C39

At the mid-portion of the site, there is a cut slope with Feature No. 6NW-A/C39. The slope is max. 3m high and 70m long with average angle of 46°. Non-dangerous goods storage site is situated on slope crest and district open space is situated at slope toe. The owner of Lot No. 126 in D.D. 128 is responsible for the maintenance of sub-division 1 of the Feature, owner of Lot No. 127 in D.D. 128 is responsible for the maintenance of sub-division 2 of the Feature, and Lands Department is responsible for the maintenance of sub-division 3 of the Feature. The

location of the Feature is presented in Drawing No. LP-01.

2.1.3 Feature No. 6NW-A/C75

At the south-eastern portion of the site, there is a cut slope with Feature No. 6NW-A/C75. The slope is max. 4m high and 150m long with average angle of 65°. Cemetery is situated on slope crest and densely-used open area is situated at slope toe. The owner of Lot No. 130 in D.D. 128 is responsible for the maintenance of sub-division 1 of the Feature, and Lands Department is responsible for the maintenance of sub-division 2 of the Feature. The location of the Feature is presented in Drawing No. LP-01.

2.1.4 Feature No. 6NW-A/F67

Due north-east of the site, there is a fill slope with Feature No. 6NW-A/F67. The slope is max. 5.1m high and 90m long with average angle of 40°. A road with low traffic density is situated on slope crest and other non-crowded built-up facilities are situated at slope toe. The owner of Lot No. 130 in D.D. 128 is responsible for the maintenance of sub-division 1 of the Feature, and Lands Department is responsible for the maintenance of sub-division 2 of the Feature. The location of the Feature is presented in Drawing No, LP-01.

2.1.5 Feature No. 6NW-A/F93

At the north-western portion of the site, there is a fill slope with Feature No. 6NW-A/F93. The slope is max. 6m high and 245m long with average angle of 40°. For portion of the Feature situated within the site, carpark is situated on slope crest and district open space is situated at slope toe. The owner of Lot No. 129 s.B in D.D. 128 is responsible for the maintenance of sub-division 1 of the Feature, owner of Lot No. 126 in D.D. 128 is responsible for the maintenance of sub-division 2 of the Feature Lot No.

127 in D.D. 128 is responsible for the maintenance of sub-division 3 of the Feature, and Lands Department is responsible for the maintenance of sub-division 4 of the Feature. The location of the Feature is presented in Drawing No. LP-01.

2.1.6 Feature No. 6NW-A/F94

At the north-western portion of the site, there is a fill slope with Feature No. 6NW-A/F94. The slope is max. 4m high and 200m long with average angle of 35°. For portion of the Feature situated within the site, district open area is situated on slope crest and warehouses are situated at slope toe. The maintenance responsibility parties are given in the table below:-

Sub-division of Feature No. 6NW-A/F94	Maintenance Responsibility Parties
1	Lot 126 in D.D. 128
2	Lot 128 in D.D. 128
3	Lot 129 s.B in D.D. 128
4	Lot 270 s.A in D.D. 128
5	Lot 270 R.P. in D.D. 128
6	Lands Department

2.2 Proposed Development

The proposed development consists of the construction of a 3 warehouses, 1 open storage, 1 office and 1 lounge & toilet and 1 meter room. A layout plan and typical section of the proposed structure are attached in Dwg No. LP-01 and LP-02.

2.3 Desk Study

Desk study has been carried out, no relevant information could be retrieved from the Geotechnical Information Unit (GIU) of Geotechnical Engineering Office (GEO) Buildings Department (BD).

2.3.1 Geotechnical Map

The geology of the Study Area is shown on the Hong Kong Geological Survey (HKGS) Map Sheet 6 (Yuen Long), 1:20,000 – scale HGM20 Series: Edition II - 1988. The local geology of the Study Area is presented in Figure 1 and 2 and described below.

2.3.2 Solid Geology

The 1:20,000 scale geological maps indicated that regional area around the Site is underlain by Mesozoic Upper Jurassic Repulse Bay Volcanic Group block-bearing tuff and tuffite and andesite with tuff and tuffite, and Quaternary Pleistocene silt/sand, gravelly, clayey with cobbles and boulders.

2.3.3 Superficial Geology

Entire Site are surrounded by Quaternary Pleistocene debris flow deposits (Qpd) and terraced alluvium (Qpa).

2.4 Enhanced Natural Terrain Landslide Inventory

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

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

aerial photographs and are bare of vegetation.

The ENTLI has recorded none relict / recent landslides within and in the vicinity of the Site.

2.5 Historical Landslide Catchment (HLC) Inventory

Historical Landslide Catchments (HLCs) have been defined by GEO based on the results of the ENTLI. According to the inventory, there is no HLC within the Site.

2.6 Reported Landslide Incidents

The GEO landslide incidents database has no record of reported landslide incident within or in the vicinity of the Site.

2.7 Ground Investigation

No Ground Investigation Works within the site has been carried out. No nearby GI Information could be retrieved from GIU of CEDD nor Buildings Department.

3.0 Impacts of proposed works on existing Features and natural hillside

3.1 Feature No. 6NW-A/C38

Feature No. 6NW-A/C38 is located at mid-portion of the site. An open storage area and meter room are situated on slope crest. Warehouse, office and parking space are situated at slope toe. Stability assessment on the existing slope shall be checked to ensure the existing slope will not affect the proposed development or vice versa.

In order to fulfill the above-mentioned objectives for detailed design to be carried out in future, a comprehensive investigation programme will be implement comprising the following:-

- I Detailed ground investigation including in-situ and laboratory soil testing to identify the soil parameters together with the monitoring of groundwater table;
- II Establishment of geological and hydrogeological model based on the findings from topographic survey and the ground investigation works.

3.2 Feature No. 6NW-A/C39

Feature No. 6NW-A/C39 is located at mid-portion of the site. An office and parking space are on slope crest. Access road is situated along at slope toe. Stability assessment on the existing slope shall be checked to ensure the existing slope and toe wall will not affect the proposed development or vice versa.

In order to fulfill the above-mentioned objectives for detailed design to be carried out in future, a comprehensive investigation programme will be implement comprising the following:-

- I Detailed ground investigation including in-situ and laboratory soil testing to identify the soil parameters together with the monitoring of groundwater table;
- II Establishment of geological and hydrogeological model based on the findings from topographic survey and the ground investigation works.

3.3 Feature No. 6NW-A/C75

Feature No. 6NW-A/C75 is located at south-east portion of the site. An open storage area and meter room are situated at slope toe. Stability assessment on the existing slope shall be checked to ensure the existing slope and toe wall will not affect the proposed development or vice versa.

In order to fulfill the above-mentioned objectives for detailed design to be carried out in future, a comprehensive investigation programme will be implement comprising the following:-

- I Detailed ground investigation including in-situ and laboratory soil testing to identify the soil parameters together with the monitoring of groundwater table;
- II Establishment of geological and hydrogeological model based on the findings from topographic survey and the ground investigation works.

3.4 Feature No. 6NW-A/F67

Feature No. 6NW-A/F67 is located due north-east of the site. A staff lounge & restroom, warehouses and parking space are situated near the slope toe. Stability assessment on the existing slope shall be checked to ensure the existing slope and toe wall will not affect the proposed development or vice versa.

In order to fulfill the above-mentioned objectives for detailed design to be carried out in future, a comprehensive investigation programme will be implemented comprising the following:-

- I Detailed ground investigation including in-situ and laboratory soil testing to identify the soil parameters together with the monitoring of groundwater table;
- II Establishment of geological and hydrogeological model based on the findings from topographic survey and the ground investigation works.

3.5 Feature No. 6NW-A/F93

Feature No. 6NW-A/F93 is located at north-west portion of the site. An existing slope with Feature No. 6NW-A/F94 is situated at slope toe. For the portion of the Feature situated within the site, it is a sloping ground with maximum slope angle of 14°. It is considered that the Feature will not affect the proposed development or vice versa.

3.6 Feature No. 6NW-A/F94

Feature No. 6NW-A/F94 is located at north-west portion of the site. Warehouses and parking space are situated at slope toe. A slope with

Feature No. 6NW-A/F93 is situated on slope crest. Stability assessment on the existing slope shall be checked to ensure the existing slope and toe wall will not affect the proposed development or vice versa.

In order to fulfill the above-mentioned objectives for detailed design to be carried out in future, a comprehensive investigation programme will be implement comprising the following:-

- I Detailed ground investigation including in-situ and laboratory soil testing to identify the soil parameters together with the monitoring of groundwater table;
- II Establishment of geological and hydrogeological model based on the findings from topographic survey and the ground investigation works.

4.0 Natural Terrain Hazard Assessment

According to Clause 2 and Figure 2.1 – Graphical Presentation of the Alert Criteria of Geo Report No. 337 – Review of Alert Criteria in Respect of Natural Terrain Hazards. The Alert Criteria should be applied if the site fall under category below:-

Where 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 where there is ground sloping at more than 15° within 50m horizontally upslope of the site, provided that there is credible debris flowpath to the site.

The proposed development is situated near toe area of natural hillside is 14m high approx with slope angle range from 26° to 33° which is larger than the 20° as required in the Alert Criteria. As such, the subject site is required for a Natural Terrain Hazard Study (NTHS).

5.0 Conclusions

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

Site investigation is proposed to reveal/confirm the subsoils and the ground regime within and in the vicinity of the site as well as to determine the engineering properties of subsoils and rock. The ground investigation field works should be preceded under supervision of suitably qualified engineers and technically competent persons conforming the requirements specified in the “Code of Practice for Site Supervision 2009” published by the BD.

6.0 References

Geotechnical Engineering Office (2016). Guidelines for Natural Terrain Hazard Studies. Geotechnical Engineering Office, Hong Kong. GEO Report No. 138 2nd Edition.

Geotechnical Engineering Office (2004). Technical Guidance Note 22: Guidelines on Geomorphological Mapping for Natural Terrain Hazard Studies. Geotechnical Engineering Office, Hong Kong.

Geotechnical Engineering Office (2014). Technical Guidance Note No. 36: Guidelines on Enhanced Approach for Natural Terrain Hazard Studies. Geotechnical Engineering Office, Civil Engineering Department, Hong Kong.

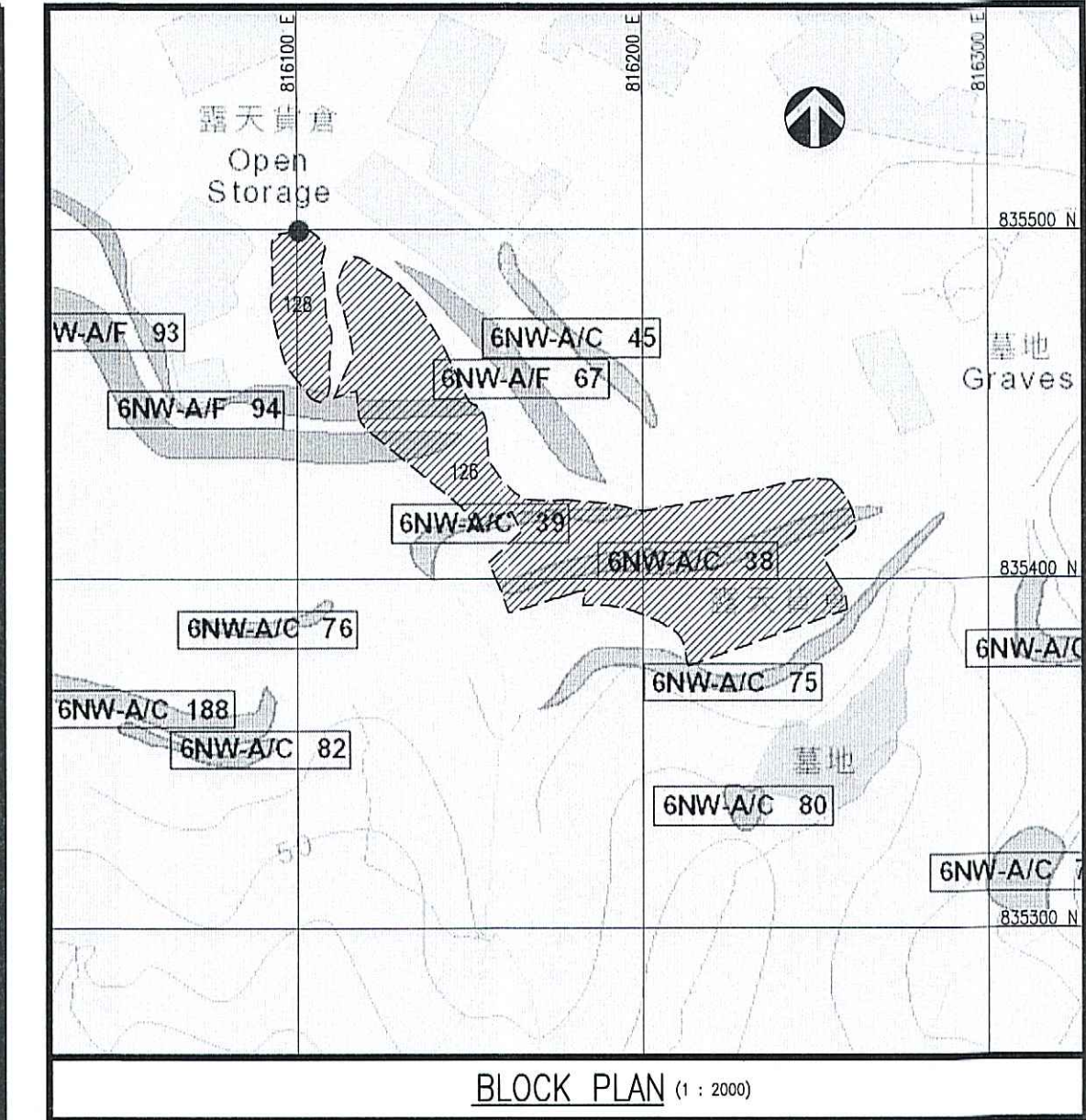
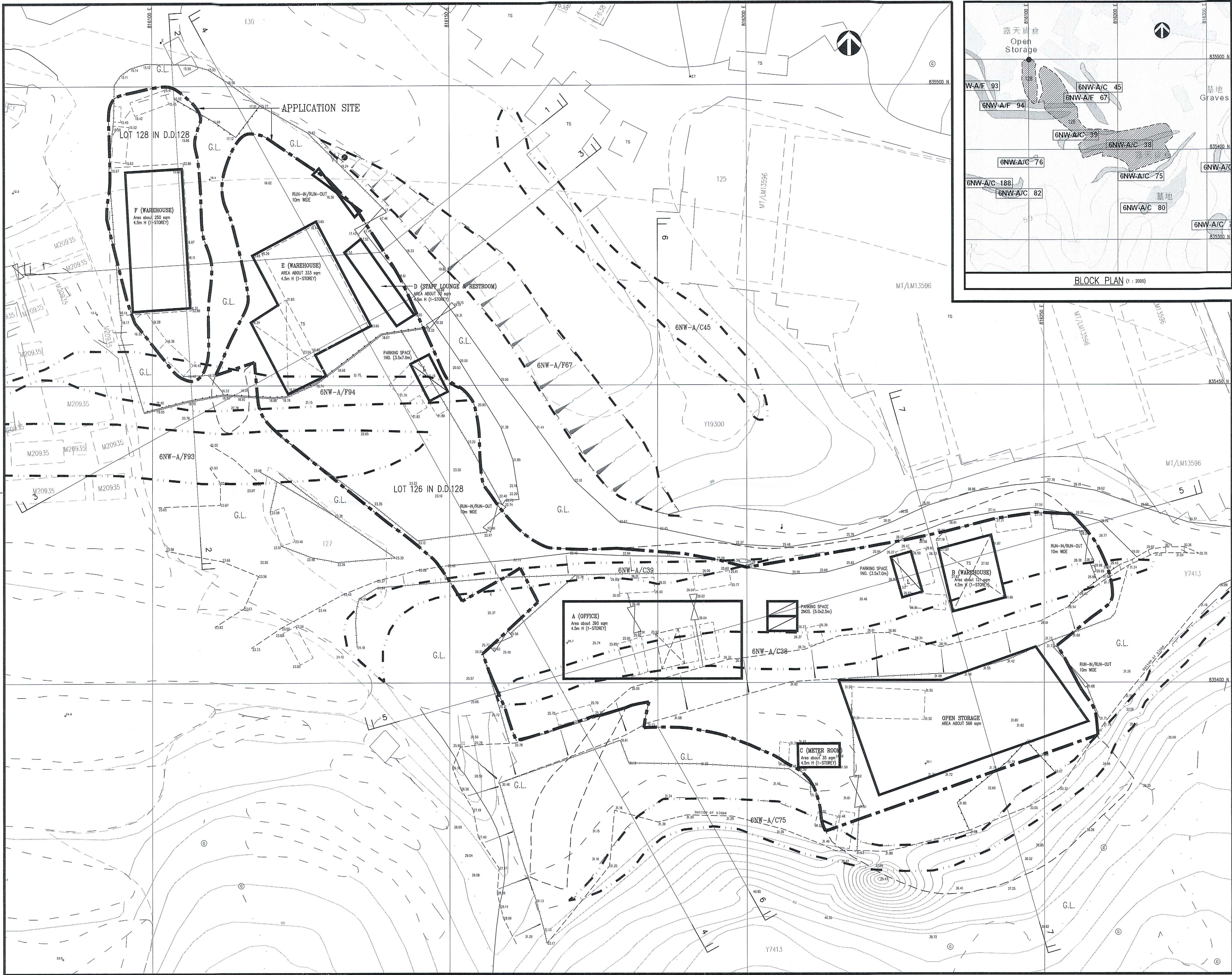
King, J.P. (1999). Natural Terrain Landslide Study The Natural Terrain Landslide Inventory. GEO Report No. 74, Geotechnical Engineering Office, Hong Kong.

Landslide data for public retrieved from Location of Landslide Incidents of CEDD.

Geotechnical Engineering Office (2007). Technical Guidance Note No. 15. Guidelines for Classification of Consequence-to-life Category for Slope Feature.

GEO Report No. 337 – Review of Alert Criteria In Respect of Natural Terrain Hazards.

Figures



B.D. REF.

LEGENDS

LOT BOUNDARY LINE

FEATURE BOUNDARY LINE

APPLICATION SITE

+23.10

EXISTING SPOT LEVEL (mPD)

EXISTING RETAINING WALL

EXISTING FENCING/RAILING

EXISTING GATE

EXISTING SLOPE

A	17/06/24	GENERAL REVISION
REV.	DATE	DESCRIPTION
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Philip C.W. So

RPE (Civil & Geotechnical)

Registered Structural Engineer

Registered Geotechnical Engineer

CONTRACT NO.	
PROJECT NO.	D.M.
CHECKED BY:	C.L.
APPROVED BY:	DATE: 12/06/2024

PROJECT :

LOT 126 (PART) AND 128
IN D.D.128, KAI PAK LING ROAD,
YUEN LONG.

DRAWING TITLE :

SITE LAYOUT PLAN

DRAWING NO.	LP-01	REV.	A
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ARCHITECT :

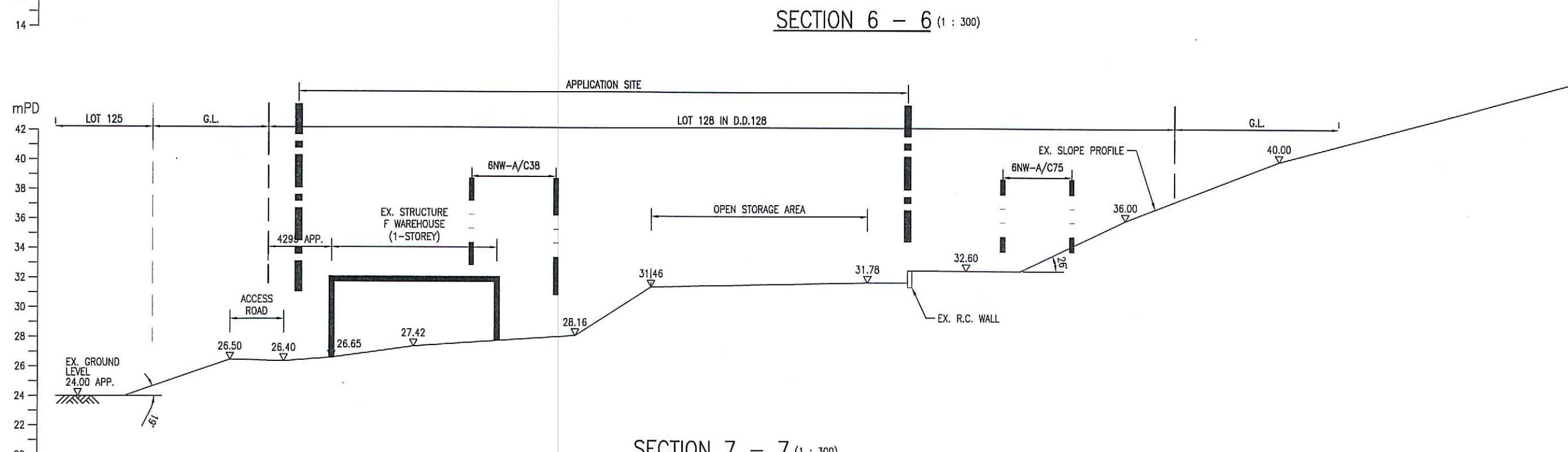
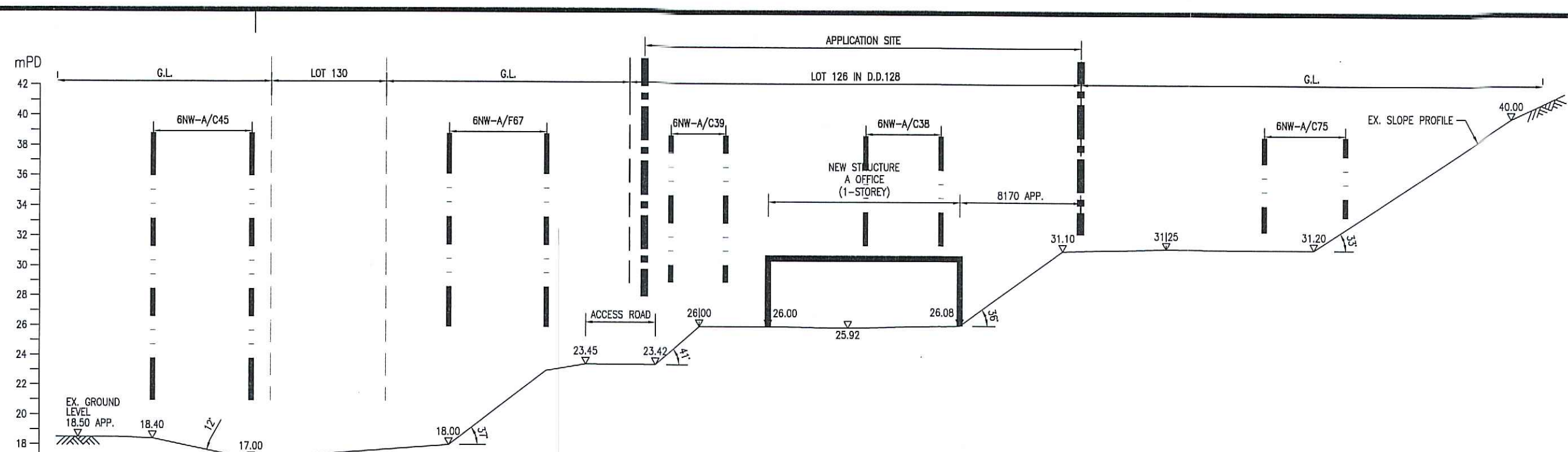
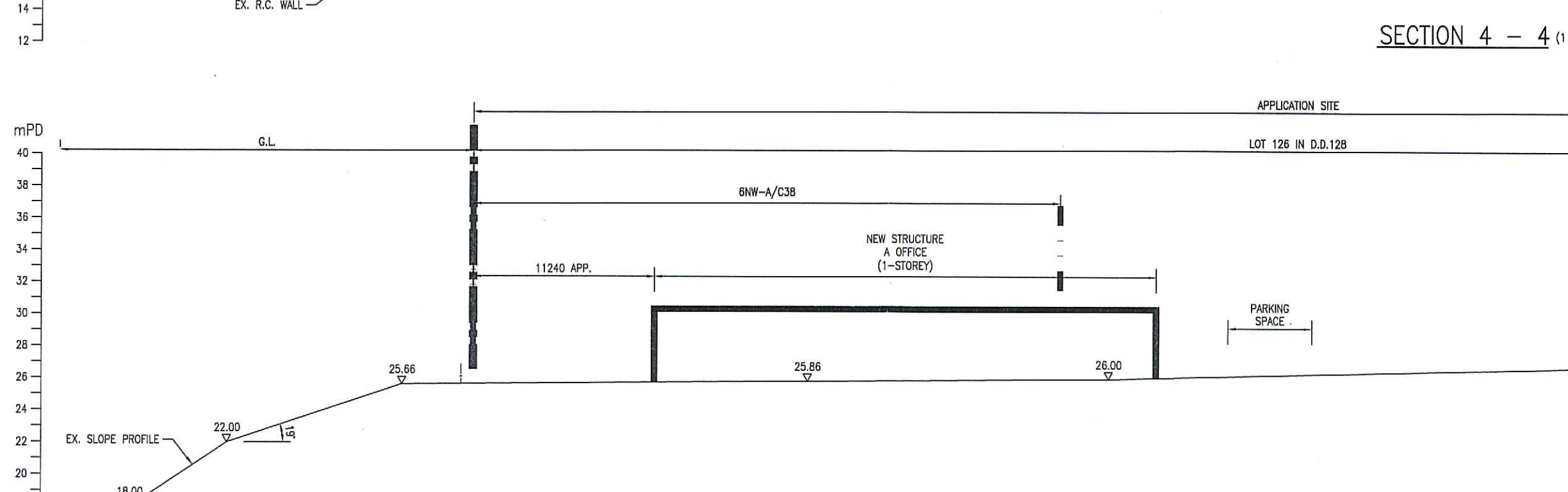
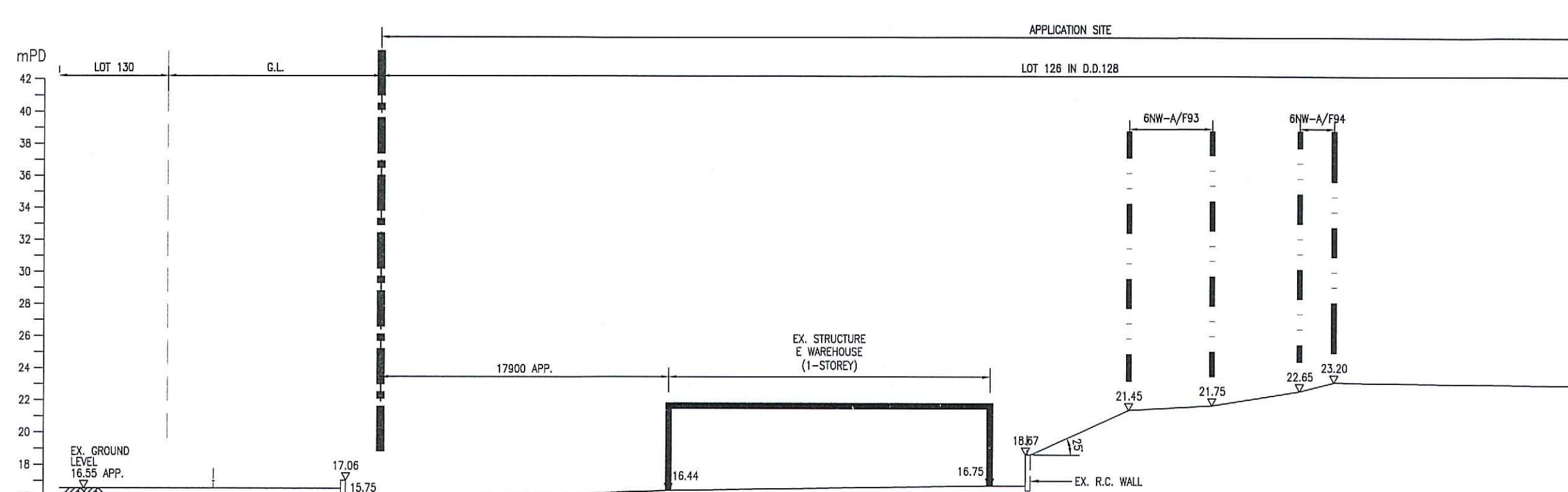
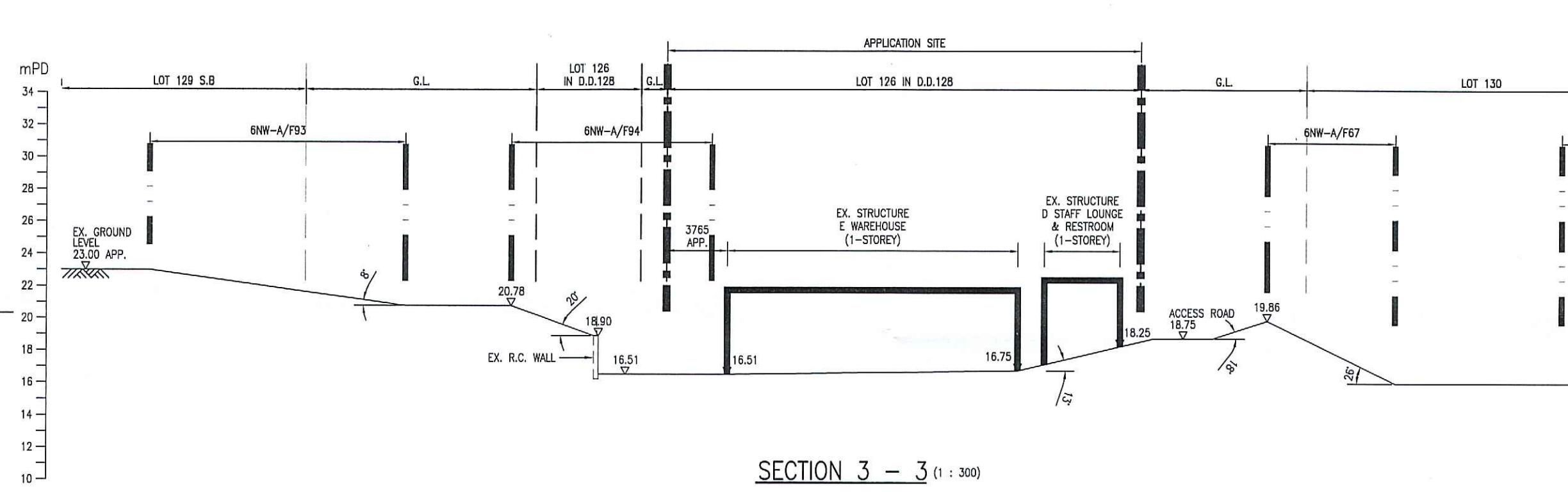
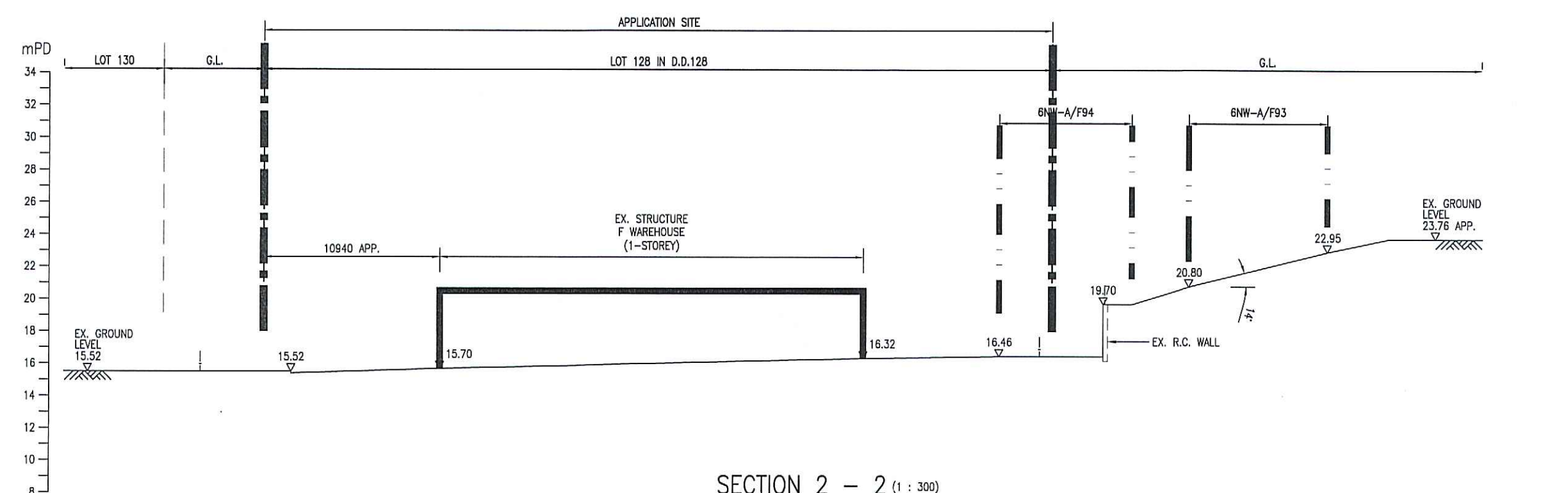
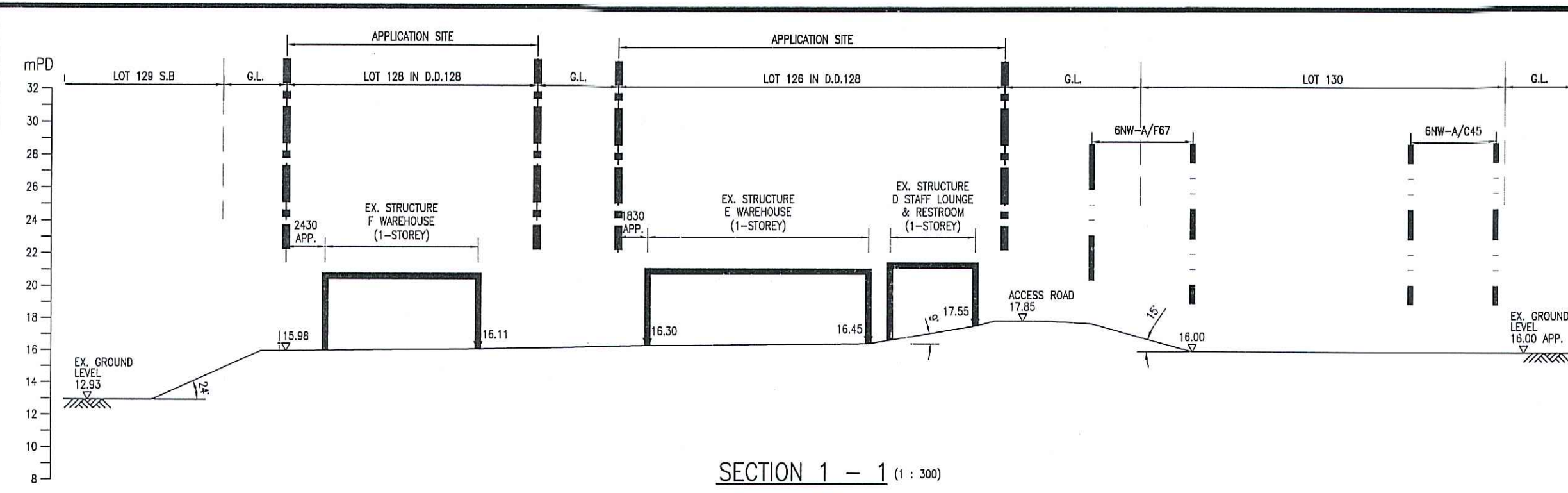
GEOTECHNICAL CONSULTANT :

PHILIP SO & ASSOCIATES LTD.

CONSULTING CIVIL AND GEOTECHNICAL ENGINEERS

Flat C, 8/F., On Ho Industrial Building,
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Fax: (852) 2732 3565



B.D. REF.	
-	

LEGENDS	
---	LOT BOUNDARY LINE
---	FEATURE BOUNDARY LINE
---	APPLICATION SITE

REV.	DATE	DESCRIPTION
A	17/06/24	GENERAL REVISION

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Philip C.W. So
RPE (Civil & Geotechnical)
Registered Structural Engineer
Registered Geotechnical Engineer

CONTRACT NO.	PROJECT NO.	DRAWN BY :	D.M.
		C.L.	1 : 300

APPROVED BY : DATE : 12/06/2024

PROJECT :

LOT 126 (PART), 127 & 128
IN D.D.128, KAI PAK LING ROAD,
YUEN LONG.

DRAWING TITLE :

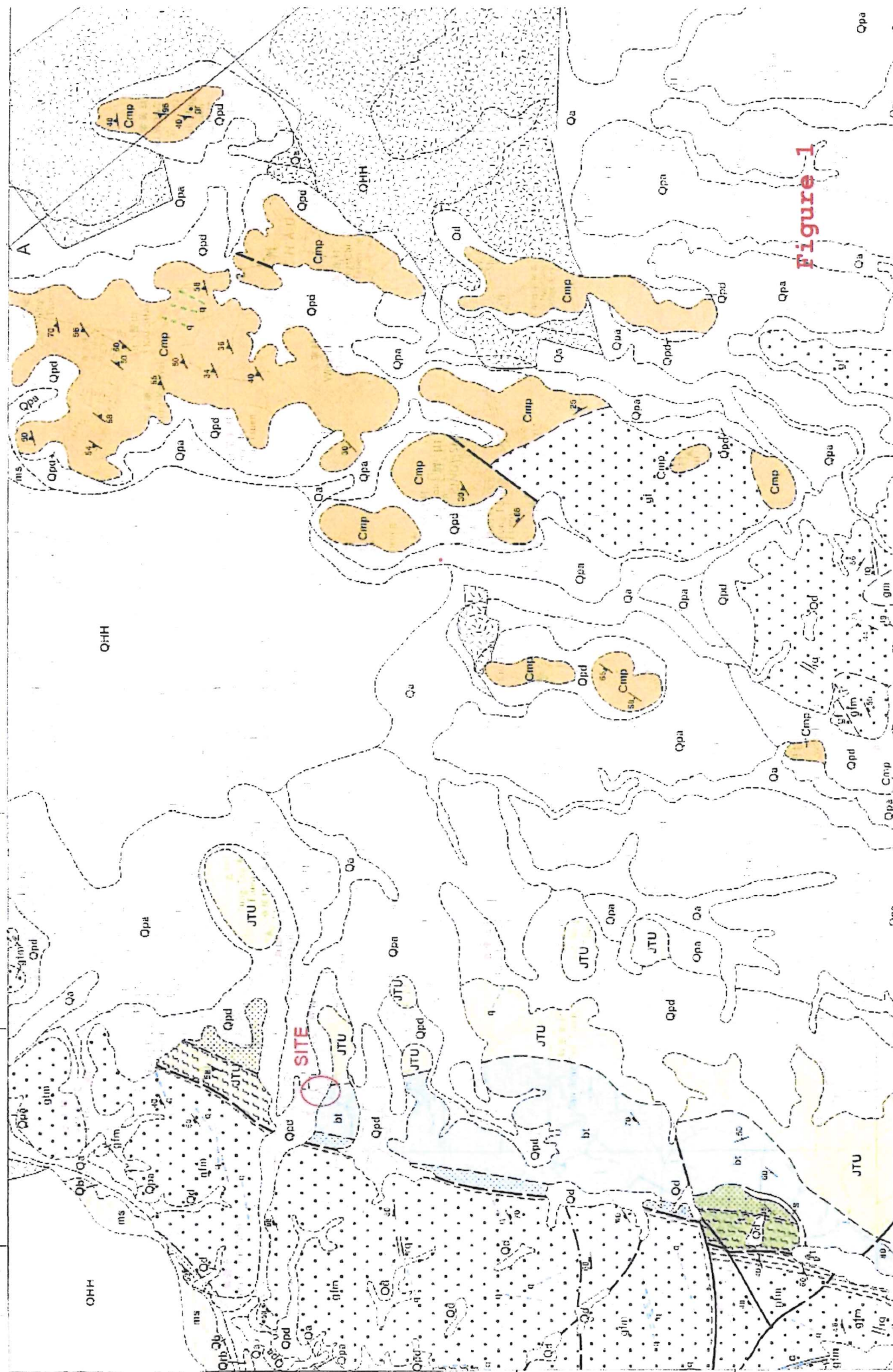
SECTIONS

DRAWING NO.	REV.
LP-02	A

ARCHITECT :

GEOTECHNICAL CONSULTANT :

PSA PHILIP SO & ASSOCIATES LTD.
CONSULTING CIVIL AND GEOTECHNICAL ENGINEERS
Flat C, B/F., On Ho Industrial Building, TEL: (852) 2739 8333
No. 17-19, Shing Wan Road, Tai Wai, Shatin, N.T. FAX: (852) 2732 2663



YUEN LONG 元朗

Sheet 6 編號

SOLID AND SUPERFICIAL GEOLOGY 基岩和表土地質圖

Series HGM20 組別

Scale 1:20 000 比例

SUPERFICIAL DEPOSITS 地表沉積

GENETIC CLASSIFICATION 成因類型		主要物質成分	PRINCIPAL MATERIALS
QUATERNARY 第四系 更新統 更新統 更新統 更新統 更新統 更新統 更新統 更新統 更新統	Fill 填土	填土	填土
	Alluvium 沖積物	沖積物	沖積物
	Beach deposits 海灘沉積物	海灘沉積物	海灘沉積物
	Raised beach deposits 高灘沉積物	高灘沉積物	高灘沉積物
	Marine sand 海洋砂	海洋砂	海洋砂
	Deltaic flow deposits 三角洲沉積物	三角洲沉積物	三角洲沉積物
	Loess (buckled) slopes 粉砂土斜坡	粉砂土斜坡	粉砂土斜坡
	Detached alluvium 脫離沖積物	脫離沖積物	脫離沖積物
	Deltaic flow deposits 三角洲沉積物	三角洲沉積物	三角洲沉積物
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
PLEISTOCENE AND HOLOCENE 更新統 更新統 更新統 更新統 更新統 更新統 更新統 更新統 更新統	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
PHISTOCENE 更新統 更新統 更新統 更新統 更新統 更新統 更新統 更新統 更新統	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥
	Unconsolidated, mainly dark grey, silty mud 未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥	未固結，主要深灰色，粉質泥

SOLID GEOLOGY 基岩地質

SEDIMENTARY AND VOLCANIC ROCKS 沉積岩和火山岩

NAMED ROCK DIVISIONS 地層單位名稱		主要岩石類型/特徵	PRINCIPAL ROCK TYPES/CHARACTERS
MESOZOIC 中生代 中生代 中生代 中生代 中生代 中生代 中生代 中生代 中生代	Tai Mo Shan Formation, undivided 大帽山組(未分)	粗粒火山岩	Coarse ash crystal tuff
	Ngai Chi Formation, undivided 頸龍崗組(未分)	細粒火山岩	Fine ash crystal tuff
	Shek Mun Formation, undivided 石門組(未分)	細粒火山岩	Fine ash crystal tuff
	Ngai Chi Formation, undivided 頸龍崗組(未分)	細粒火山岩	Fine ash crystal tuff
	Shek Mun Formation, undivided 石門組(未分)	細粒火山岩	Fine ash crystal tuff
	Ngai Chi Formation, undivided 頸龍崗組(未分)	細粒火山岩	Fine ash crystal tuff
	Shek Mun Formation, undivided 石門組(未分)	細粒火山岩	Fine ash crystal tuff
	Ngai Chi Formation, undivided 頸龍崗組(未分)	細粒火山岩	Fine ash crystal tuff
	Shek Mun Formation, undivided 石門組(未分)	細粒火山岩	Fine ash crystal tuff
	Ngai Chi Formation, undivided 頸龍崗組(未分)	細粒火山岩	Fine ash crystal tuff
PALAEOZOIC 古生代 古生代 古生代 古生代 古生代 古生代 古生代 古生代 古生代	Lok Ma Chau Formation, undivided 鹿角洲組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Yuen Long Formation, undivided 元朗組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Lok Ma Chau Formation, undivided 鹿角洲組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Yuen Long Formation, undivided 元朗組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Lok Ma Chau Formation, undivided 鹿角洲組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Yuen Long Formation, undivided 元朗組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Lok Ma Chau Formation, undivided 鹿角洲組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Yuen Long Formation, undivided 元朗組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Lok Ma Chau Formation, undivided 鹿角洲組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate
	Yuen Long Formation, undivided 元朗組(未分)	變質岩	Metasiltstone and phyllite, with metaconglomerate

MAJOR INTRUSIVE IGNEOUS ROCKS 主要侵入火成岩

Megacrystic 巨晶岩		主要岩石類型/特徵	PRINCIPAL ROCK TYPES/CHARACTERS
MESOZOIC 中生代 中生代 中生代 中生代 中生代 中生代 中生代 中生代 中生代	gl	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	gm	中粒花崗岩	Medium-grained granite
	gc	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
PALAEOZOIC 古生代 古生代 古生代 古生代 古生代 古生代 古生代 古生代 古生代	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	gm	中粒花崗岩	Medium-grained granite
	gc	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite

MINOR INTRUSIVE IGNEOUS ROCKS 次要侵入火成岩(脈岩)

TERTIARY 第三紀		主要岩石類型/特徵	PRINCIPAL ROCK TYPES/CHARACTERS
MESOZOIC 中生代 中生代 中生代 中生代 中生代 中生代 中生代 中生代 中生代	b	輝綠岩	Basalt
	a	閃長岩	Andesite
	d	輝綠岩	Basalt
	gl	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	gm	中粒花崗岩	Medium-grained granite
	gc	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
PALAEOZOIC 古生代 古生代 古生代 古生代 古生代 古生代 古生代 古生代 古生代	gl	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	gm	中粒花崗岩	Medium-grained granite
	gc	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite
	gln	中粒花崗岩	Medium-grained granite
	g	粗粒花崗岩	Coarse-grained granite

METAMORPHIC ROCKS 變質岩

Figure 2

Appendix A

Slope Information retrieved from SIS of CEDD



BASIC INFORMATION

Location: Storage area near Ngau Hom Shek, Yuen Long

Date of Formation: pre-1977

Date of Construction/
Modification:

Approximate Coordinates: Easting : 816212 Northing : 835405

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Non-dangerous goods storage site

Distance of Facility from Crest (m): 0

Facility at Toe: Lightly-used open area/facilities

Distance of Facility from Toe (m): 0.3

Consequence-to-life Category: 3

Remarks: TGN 15 case - provided by SP Division (31 MAR 2004)

SLOPE PART

(1) Max. Height (m): 3.2 Length (m): 120 Average Angle (deg): 48

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature Party: DD128 Lot126 Agent: N/A
Mixed Feature Party: Lands D Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 14-06-2001
Data Source: EI(Lands D)
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

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



STAGE 1 STUDY REPORT

Inspected On: 02-09-1997

Weather: Mainly Fine

District: MW

Section No: 1-1

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

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

Distance from Toe(m): 0.3

Type of Crest Facility: Non-dangerous goods storage site

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: U

Section No: 2-2

Type of Toe Facility: N/A

Distance from Toe(m): 0

Type of Crest Facility: N/A

Distance from Crest(m): 0

Consequence Category: 1

Engineering Judgement: U



Sign of Seepage:	Slope : No signs of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : N/A Wall : N/A
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	N
Note:	N/A
Consequence category (for critical section):	1
Observations:	TGN 15 case - provided by SP Division (31 MAR 2004)
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

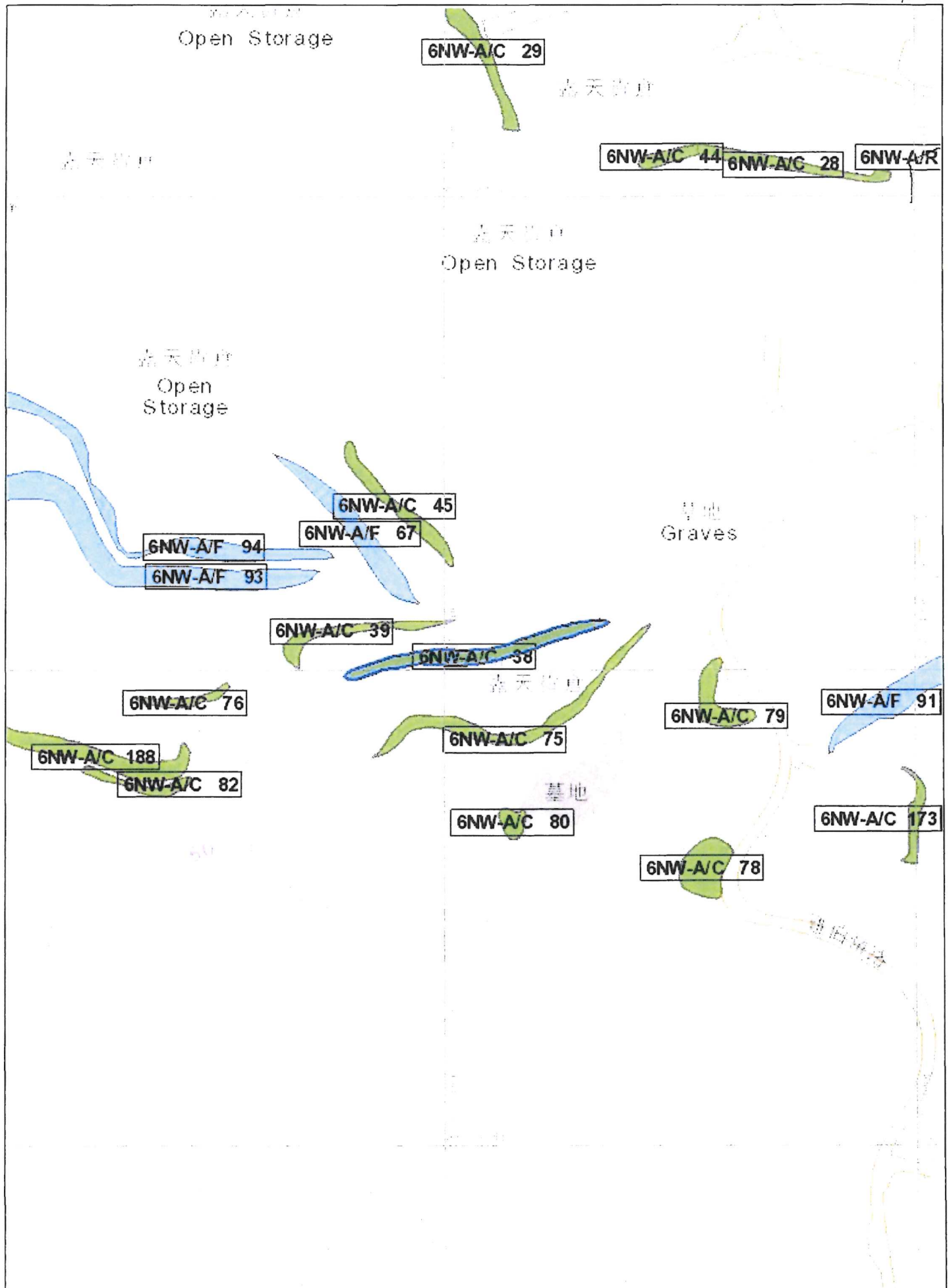




SLOPE INFORMATION SYSTEM

GEOTECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 6NW-A/C 38





BASIC INFORMATION

Location: Storage area near Ngau Hom Shek, Yuen Long

Date of Formation: post-1977

Date of Construction/

Modification:

Approximate Coordinates: Easting : 816162 Northing : 835418

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Non-dangerous goods storage site

Distance of Facility from Crest (m): 0

Facility at Toe: District open space

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 3

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 3 Length (m): 70 Average Angle (deg): 46

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: DD128 LOT126	Agent: N/A
Mixed Feature	Party: DD128 LOT127	Agent: N/A
Mixed Feature	Party: Lands D	Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	14-06-2001
Data Source:	E(Lands D)
Slope Part Drainage:	N/A

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

SLOPE PART

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



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: MW

Section No: 1-1

Height(m):

Type of Toe Facility: District open space

Distance from Toe(m): 0

Type of Crest Facility: Non-dangerous goods storage site

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:



Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO

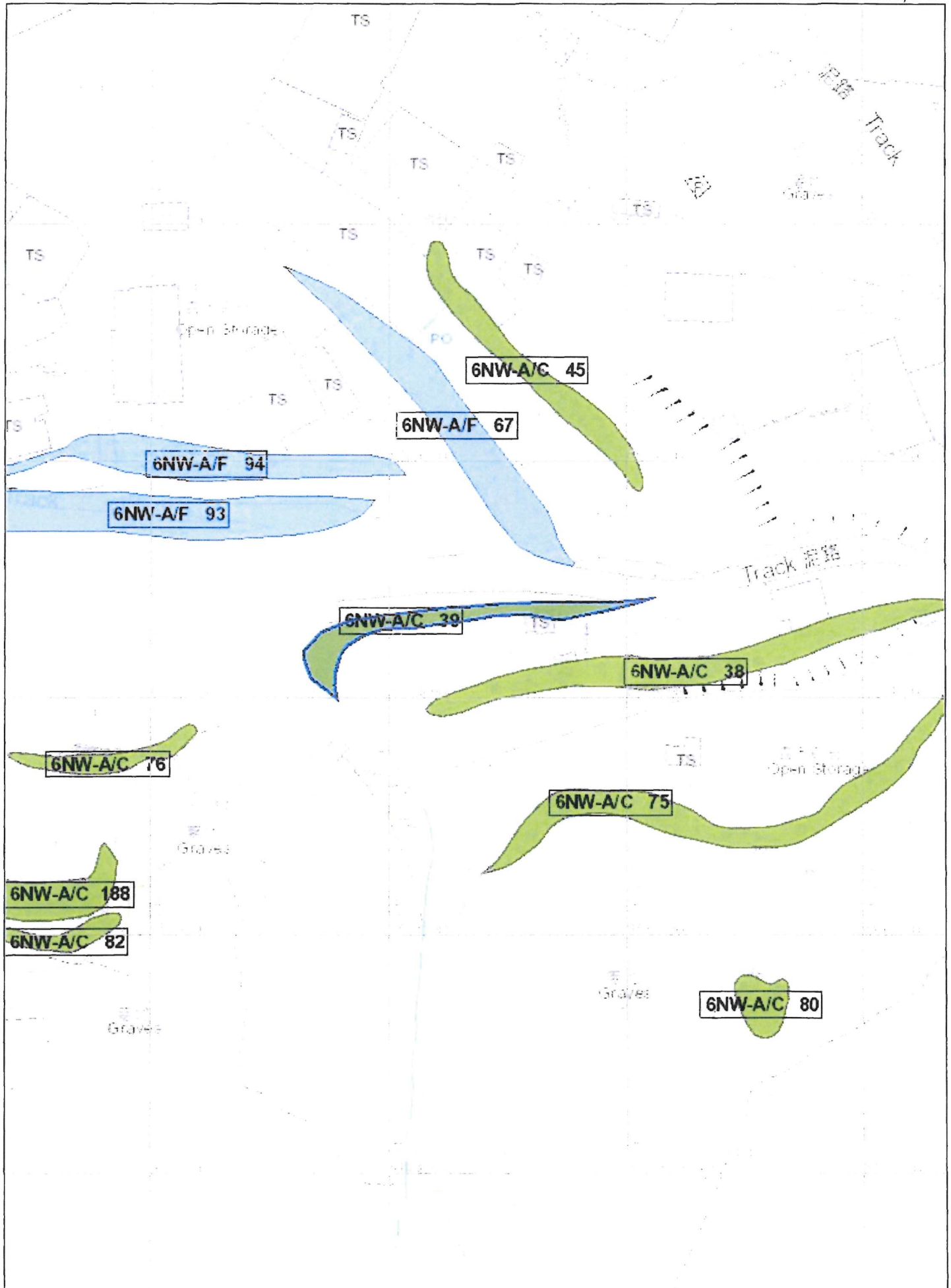




SLOPE INFORMATION SYSTEM

GEO TECHNICAL ENGINEERING OFFICE
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Feature No. 6NW-A/C 39





BASIC INFORMATION

Location: 350m West of Fung Kong Tsuen, Yuen Long

Date of Formation: post-1977

Date of Construction/

Modification:

Approximate Coordinates: Easting : 816233 Northing : 835370

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Cemetery

Distance of Facility from Crest (m): 1

Facility at Toe: Densely-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 Length (m): 150 Average Angle (deg): 65

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature Party: Lands D Agent: Lands D
Mixed Feature Party: DD128 LOT 126 Agent: N/A

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 04-06-2015
Data Source: EI(Lands D)
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

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



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On: 25-02-2000

Weather: Some Rain

District: MW

Section No: 1-1

Height(m): H1 : 4 , H2 : 0

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

Distance from Toe(m): 0

Type of Crest Facility: Cemetery

Distance from Crest(m): 1

Consequence Category: 3

Engineering Judgement: U

Section No: 2-2

Type of Toe Facility: N/A

Distance from Toe(m): 0

Type of Crest Facility: N/A

Distance from Crest(m): 0

Consequence Category: 3

Engineering Judgement: U



Sign of Seepage:	Slope : No signs of seepage Wall : N/A
Criterion A satisfied:	N
Sign of Distress:	Slope : N/A Wall : N/A
Criterion D satisfied:	N
Non-routine maintenance required:	N
Note:	N/A
Masonry wall/Masonry facing:	N
Note:	N/A
Consequence category (for critical section):	3
Observations:	N/A
Emergency Action Required:	N
Action By:	N/A

ACTION TO INITIATE PREVENTIVE WORKS

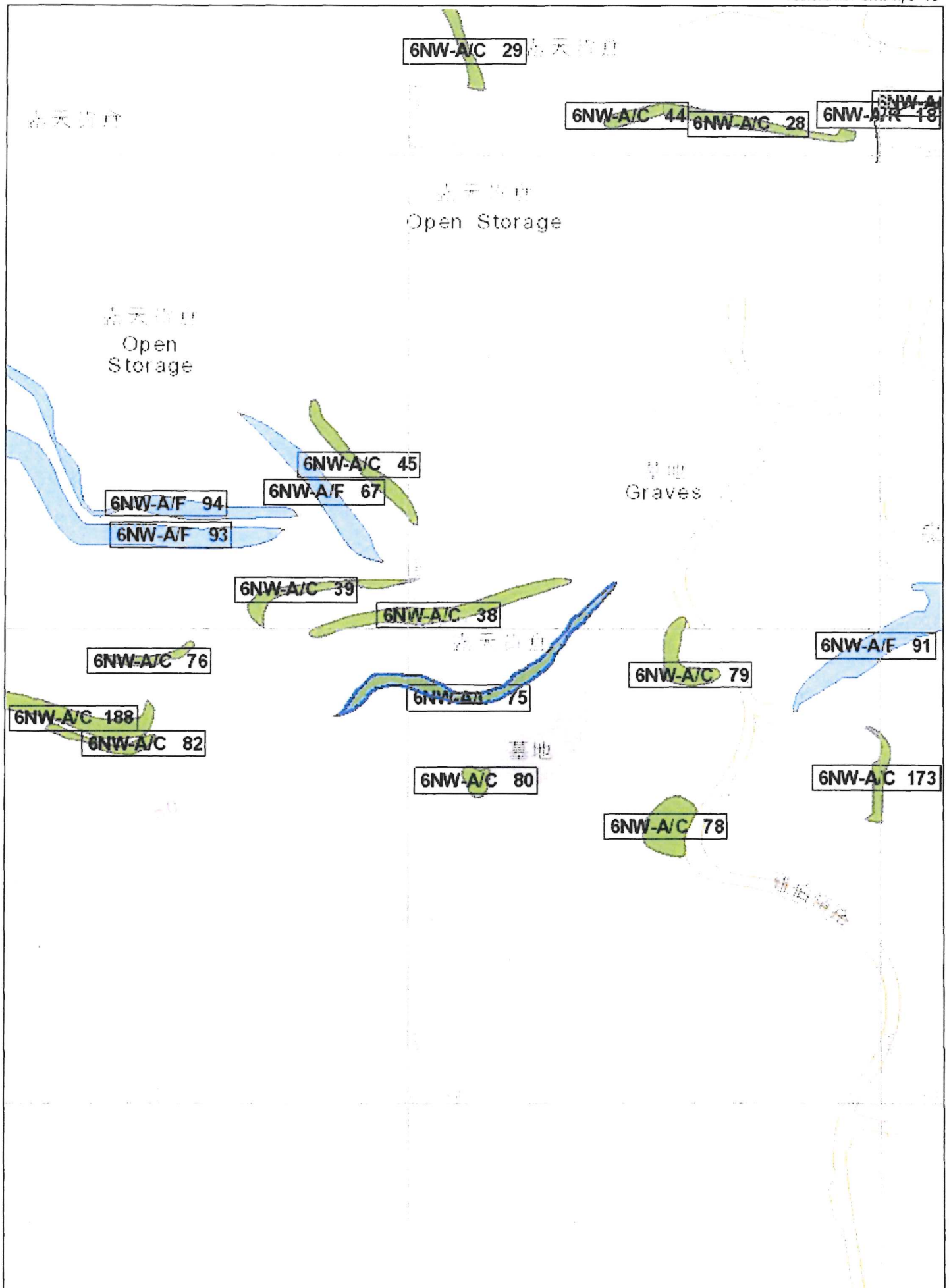
Criterion A/Criterion D:	N/A
Action By:	N/A
Further Study:	N
Action By:	N/A

OTHER EXTERNAL ACTION

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

PHOTO







BASIC INFORMATION

Location: 300M SOUTH EAST OF TIN HAU TEMPLE, SHA KONG TSUEN, DEEP BAY

Date of Formation: post-1977

Date of Construction/

Modification:

Approximate Coordinates: Easting : 816155 Northing : 835470

CONSEQUENCE-TO-LIFE CATEGORY

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

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: 2

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 5.1 Length (m): 90 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature Party: DD128 LOT130 Agent: N/A
Mixed Feature Party: Lands D Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 25-11-2002
Data Source: Agreement CE 59/2002 (GE)
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

Slope Part (1)

Surface Protection (%): Bare: 100 Vegetated: 0 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: Road/footpath with low traffic density

Distance from Toe(m): 0

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

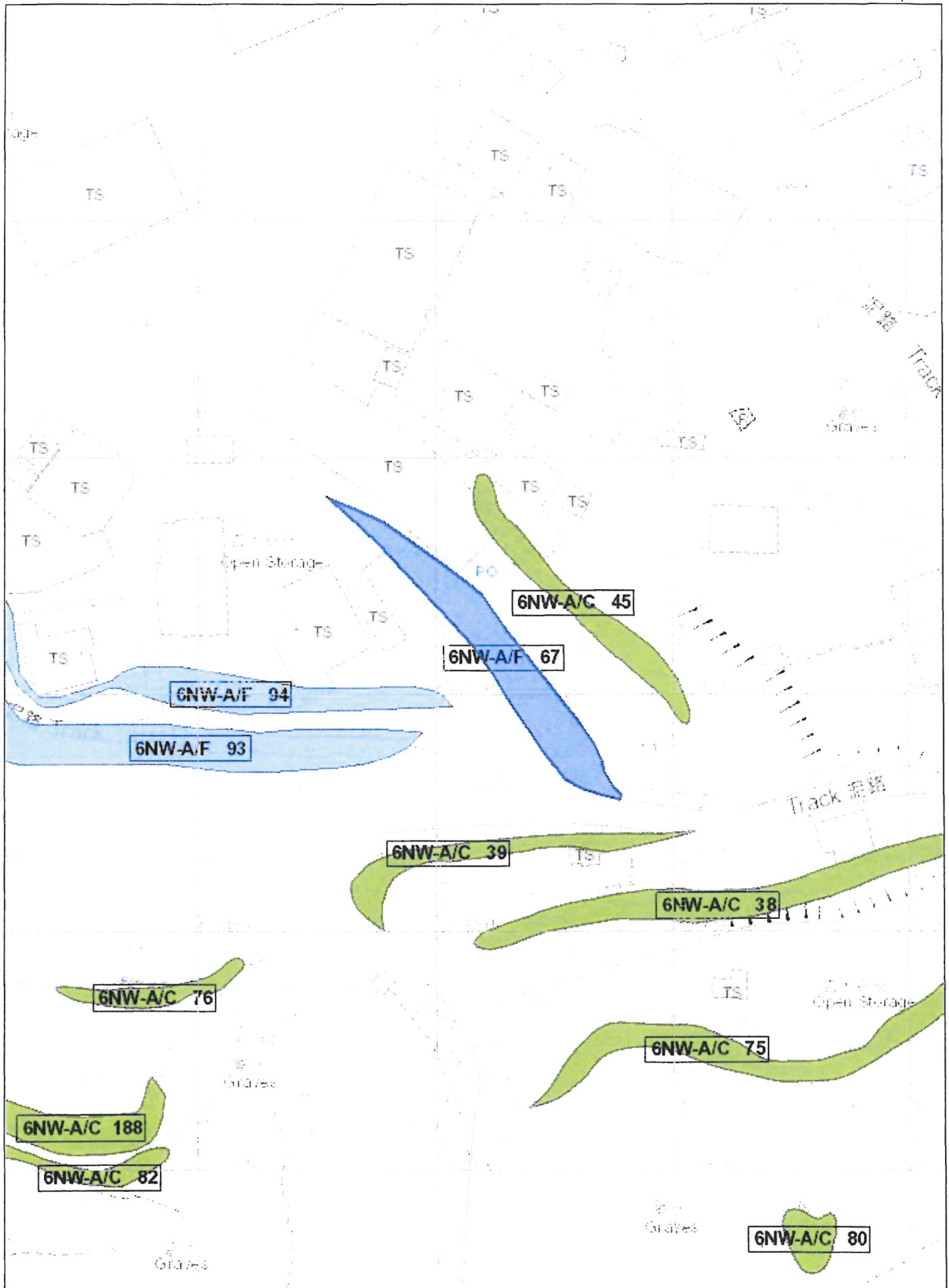
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: Lot 129 s.B, 126, 127 in DD128, Sha Kong Tsuen, Yuen Long

Date of Formation: pre-1977

Date of Construction/

Modification:

Approximate Coordinates: Easting : 816019 Northing : 835478

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Open car park

Distance of Facility from Crest (m): 0

Facility at Toe: Cottage, licensed and squatter area

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) Max. Height (m): 6 Length (m): 245 Average Angle (deg): 40

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: DD128 LOT 129 S.B	Agent: N/A
Mixed Feature	Party: DD128 LOT 126	Agent: N/A
Mixed Feature	Party: DD128 LOT 127	Agent: N/A
Mixed Feature	Party: Lands D	Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection:	25-05-2016
Data Source:	Districts
Slope Part Drainage:	N/A

Wall Part Drainage:	N/A
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SLOPE PART

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



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Cottage, licensed and squatter area

Distance from Toe(m): 0

Type of Crest Facility: Open car park

Distance from Crest(m): 0

Consequence Category:

Engineering Judgement:

Section No: 2-2

Type of Toe Facility:

Distance from Toe(m):

Type of Crest Facility:

Distance from Crest(m):

Consequence Category:

Engineering Judgement:



Sign of Seepage:

Criterion A satisfied:

Sign of Distress:

Criterion D satisfied:

Non-routine maintenance required:

Note:

Masonry wall/Masonry facing:

Note:

Consequence category (for critical section):

Observations: N/A

Emergency Action Required:

Action By: N/A

ACTION TO INITIATE PREVENTIVE WORKS

Criterion A/Criterion D: N/A

Action By: N/A

Further Study:

Action By: N/A

OTHER EXTERNAL ACTION

Check / repair Services:

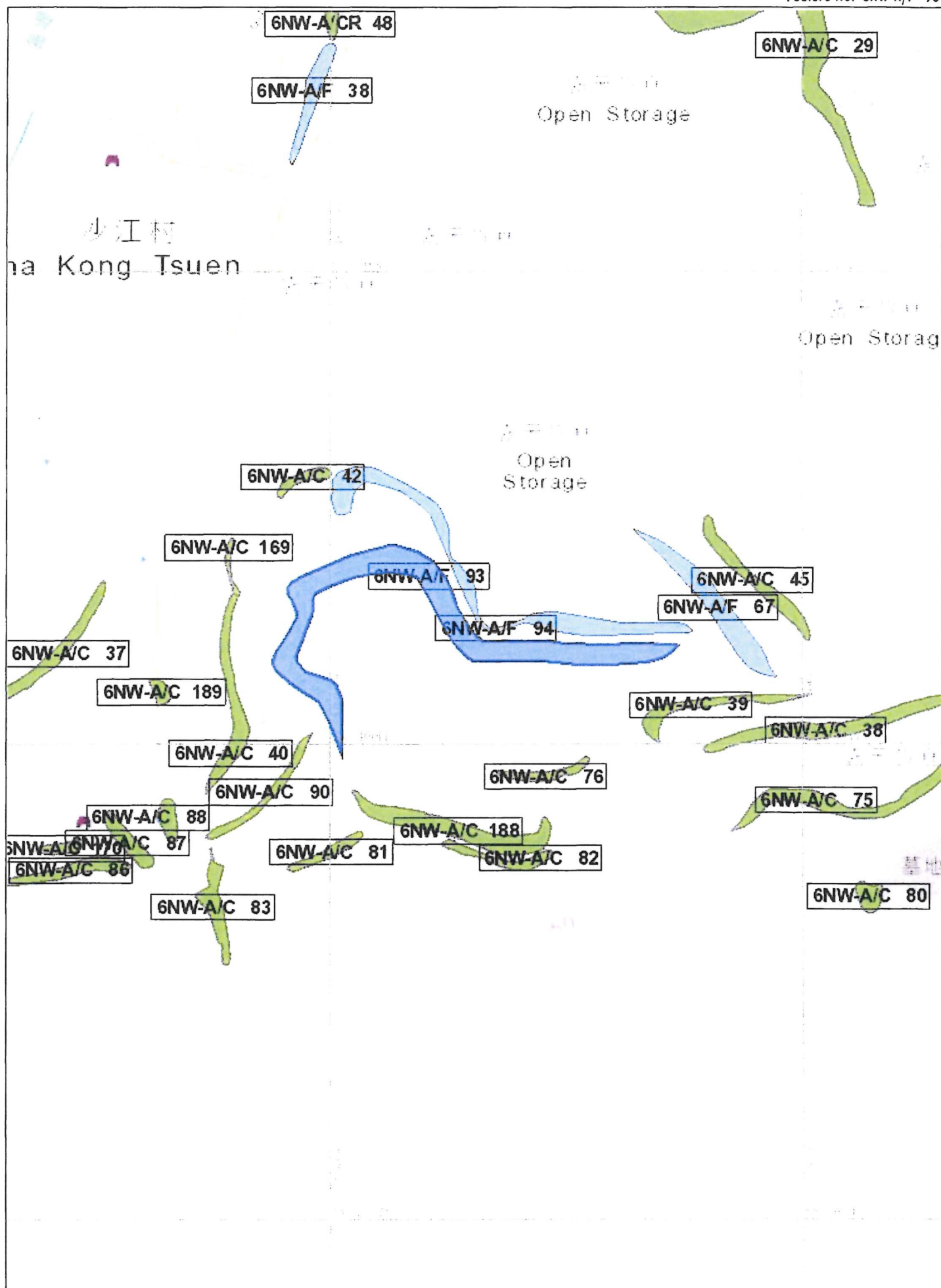
Action By: N/A

Non-routine Maintenance:

Action By: N/A

PHOTO







BASIC INFORMATION

Location: Lot 129 s.B, 126, 127, 270 in DD128, Sha Kong Tsuen, Yuen Long

Date of Formation: pre-1977

**Date of Construction/
Modification:**

Approximate Coordinates: Easting : 816115 Northing : 835449

CONSEQUENCE-TO-LIFE CATEGORY

Facility at Crest: Construction sites

Distance of Facility from Crest (m): 0

Facility at Toe: Cottage, licensed and squatter area

Distance of Facility from Toe (m): 0

Consequence-to-life Category: 1

Remarks: N/A

SLOPE PART

(1) **Max. Height (m):** 4 **Length (m):** 200 **Average Angle (deg):** 35

WALL PART

N/A



MAINTENANCE RESPONSIBILITY

Mixed Feature	Party: DD128 LOT 126	Agent: N/A
Mixed Feature	Party: DD128 LOT 128	Agent: N/A
Mixed Feature	Party: DD128 LOT 129 S.B	Agent: N/A
Mixed Feature	Party: DD128 LOT 270 S.A	Agent: N/A
Mixed Feature	Party: DD128 LOT 270 RP	Agent: N/A
Mixed Feature	Party: Lands D	Agent: Lands D

DETAILS OF SLOPE / RETAINING WALL

Date of Inspection: 25-05-2016
Data Source: Districts
Slope Part Drainage: N/A

Wall Part Drainage: N/A

SLOPE PART

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



WALL PART

N/A

SERVICES

N/A



STAGE 1 STUDY REPORT

Inspected On:

Weather:

District: N/A

Section No: 1-1

Height(m):

Type of Toe Facility: Cottage, licensed and squatter area

Distance from Toe(m): 0

Type of Crest Facility: Construction sites

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



