

Our Ref: WMA20001/AECOM/it200309_2

AECOM

8/F Grand Central Plaza Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

By E Mail
9th March 2020

Attn.: Ms. Gloria Tang

Dear Ms. Tang,

Service Contract No. NDO 07/2019
Environmental Team for Site Formation and Infrastructure Works for Police Facilities in
Kong Nga Po
- Explanatory Statement for Revised Layout Plan of Kong Nga Po Road (Final)

I refer to the Explanatory Statement for Revised Layout Plan of Kong Nga Po Road (Final) for the captioned project.

I am pleased to inform you that I have no further comment and I hereby agree to certify the above document in accordance with the Environmental Permit (No. EP-510/2016), Condition 1.9 and 2.16.

If you need any further information, please call the undersigned at 2151 2090.

Yours faithfully,
WELLAB Limited



Ms. Ivy Tam
Environmental Team Leader

c.c. CEDD (Attn: Mr. Andrew Cheung)
IEC - Acuity Sustainability Consulting Limited
(Attn.: Mr. Kevin Li)

By e-mail: andrewkwcheung@cedd.gov.hk
By e-mail: kli@acuityhk.com



ACUITY
SUSTAINABILITY
CONSULTING LIMITED



Website: www.acuityhk.com



Unit C, 11/E, Ford Glory Plaza,
Nos. 37-39 Wing Hong Street,
Cheung Sha Wan, Kowloon, HK



Tel. : (852) 2698 6833
Fax.: (852) 2698 9383

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
NORTH DEVELOPMENT OFFICE
UNIT 2320, LEVEL 23, TOWER 1, METROPLAZA,
223 HING FONG ROAD,
KWAI FONG, NEW TERRITORIES,
HONG KONG

Attention: Mr. William WONG

28 February 2020

Dear William,

Contract No. NDO/02/2018

**Site Formation and Infrastructure Works for Police Facilities in Kong Nga Po
Explanatory Statement for Revised Layout Plan of Kong Nga Po Road (Final)**

I refer to the email concerning the captioned. We have no further comment on the Explanatory Statement for Revised Layout Plan of Kong Nga Po Road (Final) and verify it according to Conditions 1.9 and 2.16 of the EP-510/2016.

Yours faithfully,

Kevin W.M. Li
Independent Environmental Checker

cc. CEDD - Andrew CHEUNG
AECOM - Gloria TANG
ET Leader - Priscilla CHOY

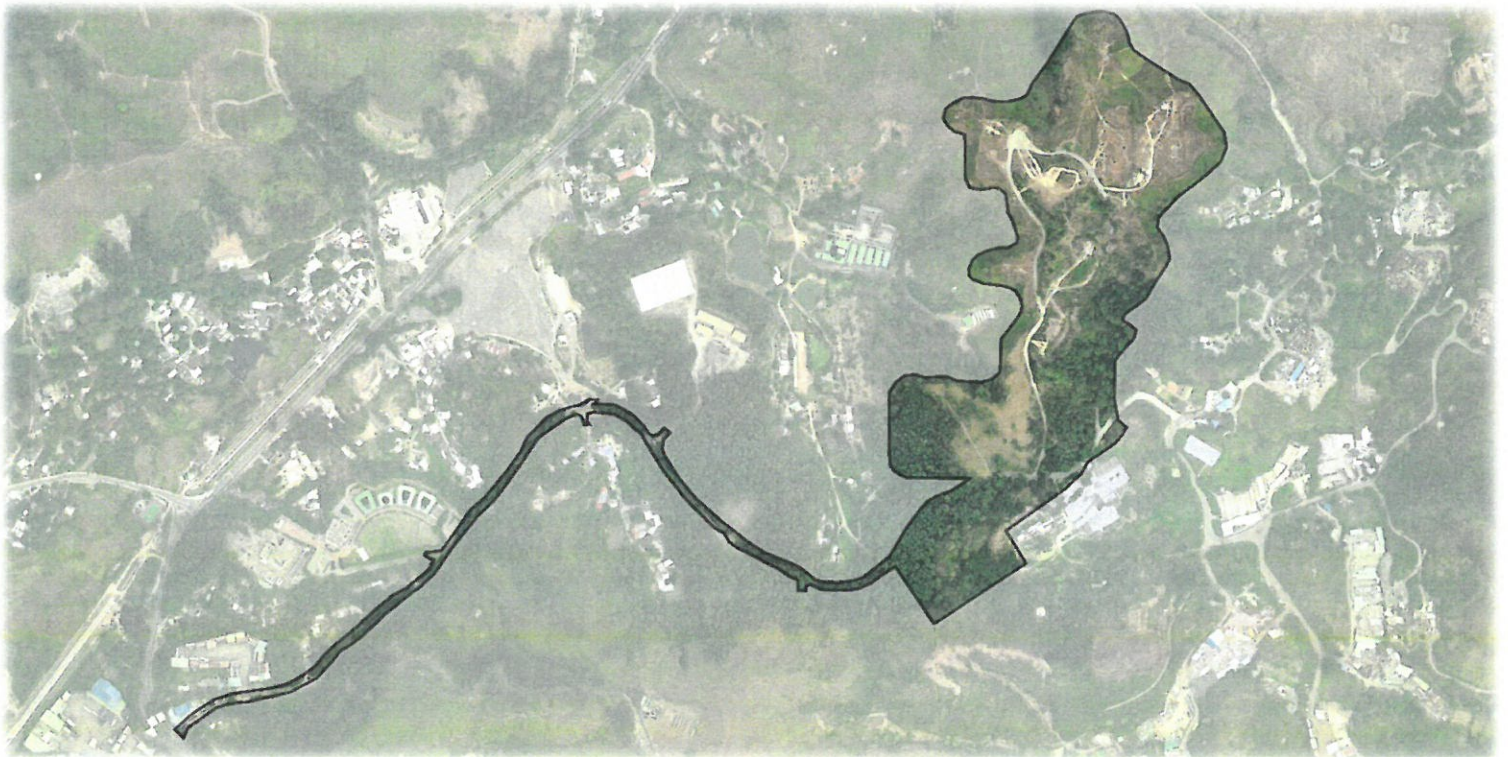


THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Environment Impact Assessment (EIA) Ordinance, Cap. 499
EIA Report - Project Title: Police Facilities in Kong Nga Po
(Environmental Permit No. EP-510/2016)

Explanatory Statement for Revised Layout Plan of Kong Nga Po Road (Final)



Environmental Impact Assessment (EIA) Ordinance, Cap. 499
EIA Report - Project Title: Police Facilities in Kong Nga Po
(Environmental Permit No. EP-510/2016)

Explanatory Statement for Revised Layout Plan of Kong Nga Po Road (Final)

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1 INTRODUCTION

1.1 Background

- 1.1.1 Kong Nga Po (KNP) in the North District is a rural area with very limited existing developments. Part of the Development Area fell within the then Frontier Closed Area, which was released in 2016. There are villages lying at the far north and east. The major vehicular access to the Development Area is a sub-standard rural track namely Kong Nga Po road leading from Man Kam To Road. The Development Area can also be accessed from the east through a local access road from Ping Che Road.
- 1.1.2 In 2010, a “Study on the Land Use Planning for the Closed Area” was completed and an area in KNP with approximately 19ha in size was identified as a potential housing site for low density residential development upon its release from the Frontier Closed Area.
- 1.1.3 Subsequently, the Civil Engineering and Development Department (CEDD) has commissioned a study under Agreement No. CE 16/2012 (CE) – “Engineering Feasibility Study for Kong Nga Po – Feasibility Study” to confirm the feasibility of the proposed residential development. The study was originally scheduled for completion in April 2014, but was decided not to proceed further in January 2014. An alternative option of using the KNP site for co-locating various existing police facilities was explored.
- 1.1.4 The project profile for the project “Police Facilities in Kong Nga Po” was submitted to the Environmental Protection Department (EPD) on 23 July 2014 under Section 5(1)(a) of the Environmental Impact Assessment Ordinance (EIAO). On 2 September 2014, EPD issued an Environmental Impact Assessment (EIA) Study Brief for the Project (ESB-276/2014).
- 1.1.5 In December 2014, CEDD commissioned consultants to carry out the engineering feasibility study for the police facilities in KNP under Agreement no. CE 31/2014(CE). The objectives of the study were (i) to determine the environmental acceptability of co-locating police facilities in KNP site; (ii) to determine the scope of the necessary infrastructure to support the co-locating police facilities; and (iii) to study the geotechnical engineering aspects before the proposed co-location of existing police facilities in Kong Nga Po could proceed. The study has confirmed, among others, that the co-location of the police facilities at the KNP Site is environmentally acceptable and technically feasible with no insurmountable problems on the surrounding areas.
- 1.1.6 The police facilities for co-location in the Development Area at Kong Nga Po mainly include:
- a) Lo Wu Firing Range (LWFR) to be relocated from Lo Wu;
 - b) Ma Tso Lung Firing Range (MTLFR) to be relocated from Ma Tso Lung;
 - c) Weapons Training Facilities (WTF) to be relocated from Fan Garden;
 - d) Police Driving and Traffic Training Facilities (PD&TTF), including a multi-storey training complex, to be relocated from Fan Garden;

- e) Helipad to be relocated from Lo Wu; and
 - f) A Proposed Police Training Facility (PTF).
- 1.1.7 The Project consists of two Designated Project (DPs) under Part I, Schedule 2 of the EIAO namely (a) a helipad within 300m of existing or planned residential development (Item B.2, Part I, Schedule 2); and (b) an open firing range (Item O.5, Part I, Schedule 2). The EIA Report was approved by DEP under EIAO on 20 October 2016 and the Environmental Permit No. EP-510/2016 for the helipad and the open firing range was issued on 1 November 2016. The register no. of the EIA report is AEIAR-201/2016.
- 1.1.8 On 26 January 2017, CEDD commissioned AECOM Asia Co. Ltd. (AECOM) to undertake the Assignment of this Agreement No. CE 60/2016 (CE) – Site Formation and Infrastructure Works for Police Facilities in Kong Nga Po –Design and Construction.

1.2 Objectives of the Explanatory Statement

- 1.2.1 This explanatory statement is to accompany a revised layout plan of KNP Road to address item (1) in the Conditions of Approval issued by EPD under their letter ref. EP2/N7/B/82 dated 20 October 2016 and the Specific Condition No. 2.16 stipulated in the Environmental Permit (see Appendix A). Relevant conditions are shown below.

Item (1) in the Conditions of Approval

“The project proponent shall minimize ecological disturbances in the road improvement works along Kong Nga Po Road, with a view to preserving individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest. To this end, use of passing bays or traffic control measures at suitable locations in lieu of road widening shall be explored and adopted where appropriate. The revised layout plan of Kong Nga Po Road shall be submitted to the Director of Environmental Protection (DEP) for approval before commencement of the construction works.”

Specific Condition No. 2.16 of Environmental Permit

“The Permit Holder shall minimize ecological disturbances in the road improvement works along Kong Nga Po (KNP) Road, with a view to preserving individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest. To this end, use of passing bays or traffic control measures at suitable locations in lieu of road widening should be explored and adopted where appropriate. The Permit Holder shall no later than 1 month before the commencement of the construction works for KNP Road submit 4 hard copies and 1 electronic copy of a revised layout plan of KNP Road in the scale of at least 1:1000, or other appropriate scale as agreed by the Director, to the Director for approval. The plan shall be submitted with an explanatory statement detailing the works boundaries, the works areas, vertical and horizontal alignments of the roads and other nearby major buildings, structures and facilities; and the locations of individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest.”

2 UPGRADING OF KONG NGA PO ROAD

2.1 Proposed Upgrading Works

2.1.1 As mentioned in Section 2.4.2 of the EIA report, the existing Kong Nga Po Road is a two-way road of typical road width of 6.0m to 6.5m with some sections of only 5.8m wide. It was built for the transportation of excavated materials from the borrow area and the alignment roughly follows the existing hilly terrain. There are sharp road bends with steep gradient ranging from 8% to about 15% along the road. The existing Kong Nga Po Road is sub-standard in terms of road width, sightline, horizontal curves and vertical curves according to the current design requirements.

2.1.2 To serve the future Police Facilities in Kong Nga Po including the Police off site-road driving training needs, the existing Kong Nga Po Road (the section between the police facilities and Man Kam To Road) will be upgraded.

2.2 Original Kong Nga Po Road Layout

2.2.1 The upgrading of KNP Road includes roadworks, viaduct of less than 100m between abutments, and associated works such as slopeworks and retaining walls. The original KNP road layout is indicated in Figure 2.1 of the approved EIA Report.

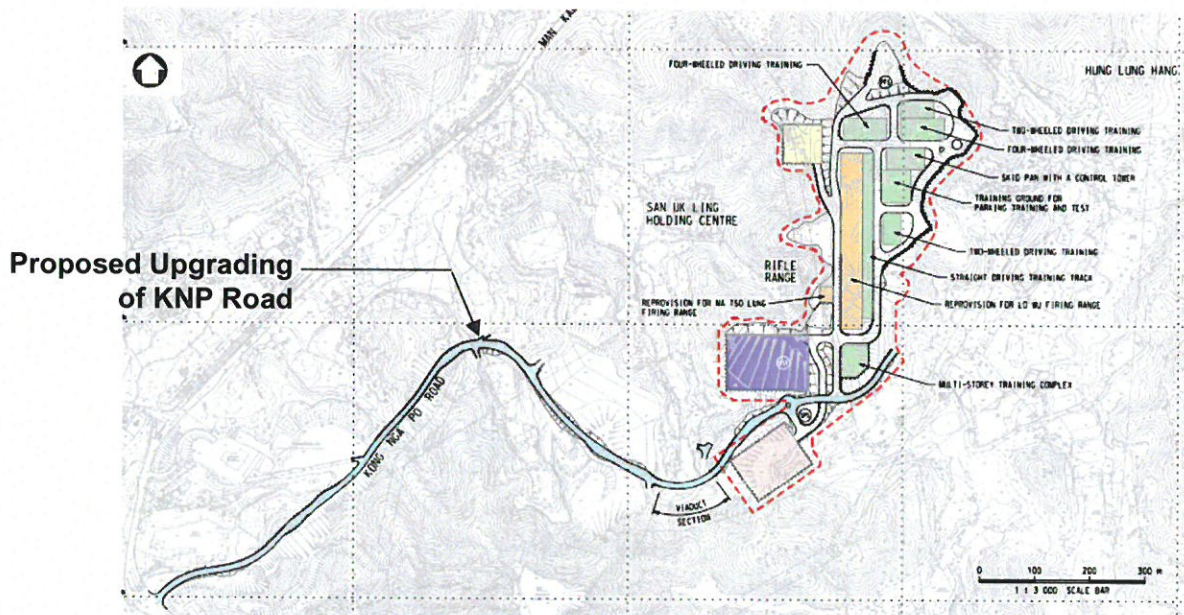


Fig.2a Original Kong Nga Po Road layout (extracted from Figure 2.1 of approved EIA Report)

2.2.2 According to the approved EIA Report, the existing KNP Road will be upgraded to a single two lanes carriageway with typical 7.3m road width and 2m wide (clear width) footpath typically on the northern side. Where there is no specific need for footpath on the southern side of the upgraded KNP Road, provision of 1m verge is proposed to

accommodate the future roadside facilities. The proposed footpath and verge will also serve for future maintenance of adjacent slopes, retaining structures, associated surface channels, roadside utilities/ facilities on both sides of the improved road. A 0.5m clearance will also be provided between footpath and carriageway for street furniture. Typical road section of the upgraded KNP Road is shown.

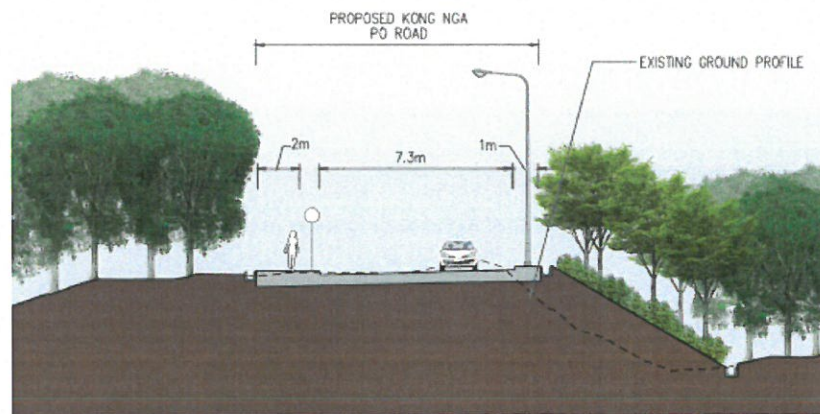


Fig.2b Typical road section of upgraded Kong Nga Po Road
(extracted from Figure 10.32 of approved EIA Report)

2.3 Locations of Individuals of *Keteleeria fortunei* (油杉) and other Species of Conservation Interest

- 2.3.1 According to Figure No. 9.2c and 9.2d of the approved EIA Report, *Keteleeria fortunei* (油杉) are found along both sides of KNP Road near the existing Police Dog Unit and Force Search Unit Training School. It was recommended in the approved EIA Report to transplant all of the specimens (both trees and undersized seedlings) of *Keteleeria fortunei* (油杉) which are affected by the proposed works to new locations within the proposed woodland buffer areas.

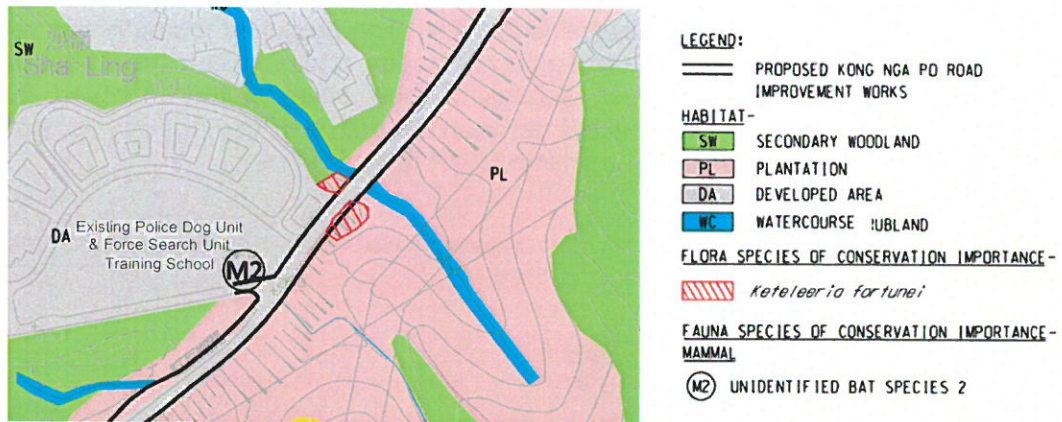


Fig.2c Locations of individuals of *Keteleeria fortunei* (extracted from Figure 9.2 of approved EIA Report)

2.3.2 A tree survey was completed under Agreement No. CE 60/2016 (CE) along the alignment of the KNP Road upgrading works in May 2017. 52 nos. of roadside *Keteleeria fortunei* (油杉) (DBH>=95mm) were identified near the existing Police Dog Unit and Force Search Unit Training School. In addition, 32 nos. and 7 nos. of undersized seedlings of *Keteleeria fortunei* (油杉) and *Aquilaria sinensis* respectively were found. Further details are shown in Figures 2d, 2e and 2f.

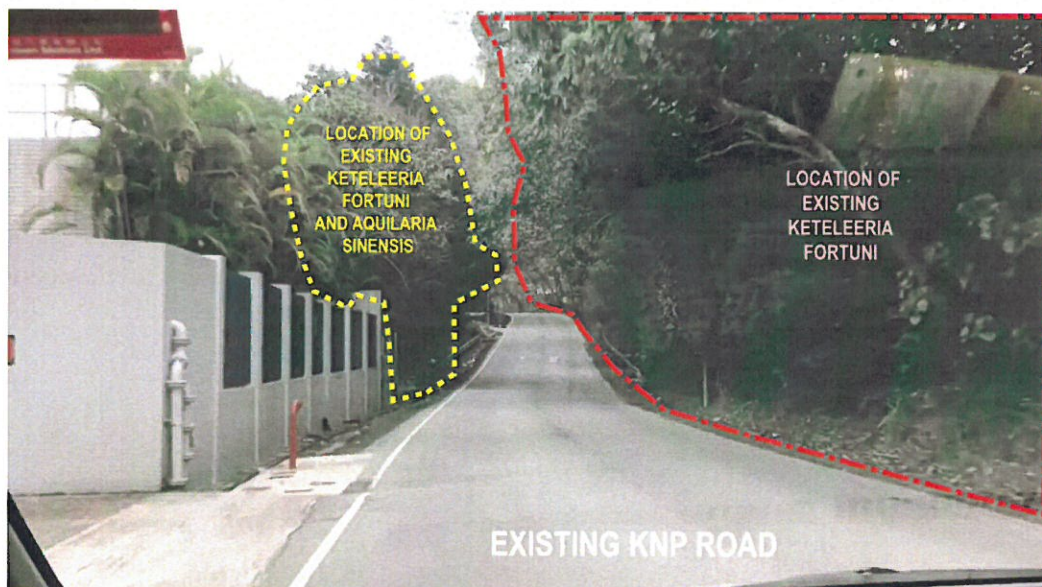


Fig.2d General view of existing *Keteleeria fortunei* and *Aquilaria sinensis*

2.3.3 Based on the results of the survey and site checking in May 2017, the original KNP road layout, which has a typical road width of 10.8m (7.3m wide carriageway + 2m wide footpath + 0.5m clearance for street furniture + 1m wide verge), would require felling/transplanting of at least 16 numbers of the roadside *Keteleeria fortunei* (油杉)

(DBH ≥ 95 mm). About 12 numbers of the undersized seedlings of *Keteleeria fortunei* (油杉) will also be affected by the original KNP road layout.

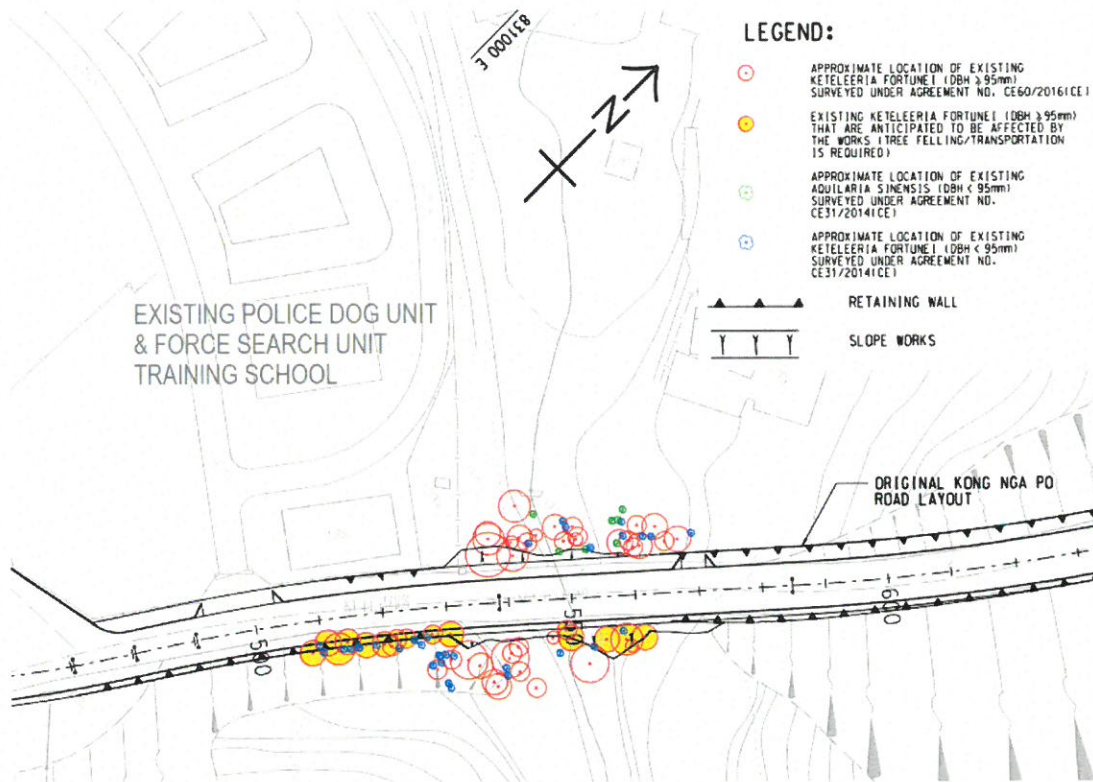


Fig.2e Roadside *Keteleeria fortunei* and *Aquilaria sinensis* affected by original KNP Road Layout

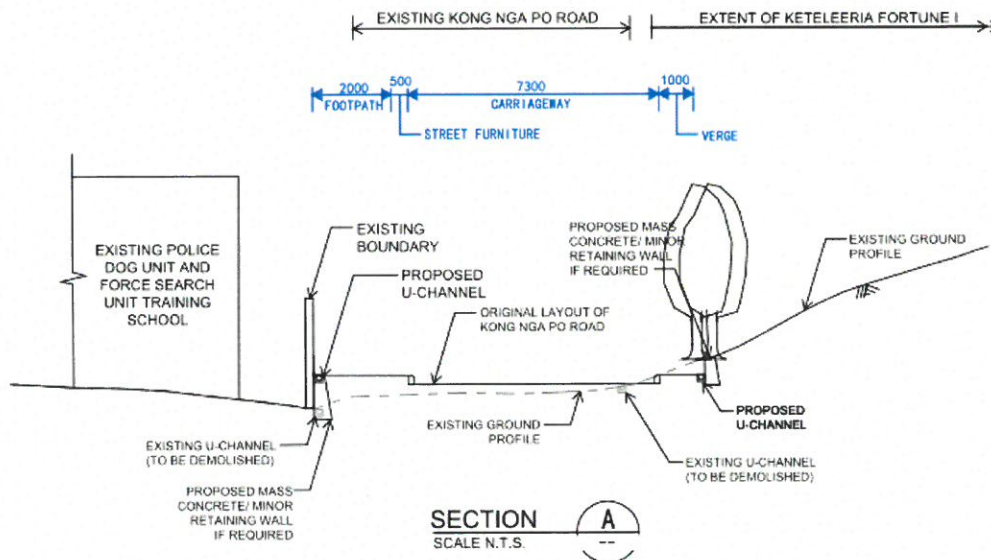


Fig.2f Section of Original Kong Nga Po Road Layout

2.4 Revised Kong Nga Po Road layout

Vertical and Horizontal Alignments

- 2.4.1 With a view to preserving all individuals of *Keteleeria fortunei* and *Aquilaria sinensis* and minimizing ecological disturbance, a revised KNP road layout has been considered.
- 2.4.2 The width of upgraded road will be locally reduced from about 10.8m to about 9.25m (6.75m wide carriageway + 2m wide footpath + 0.5m clearance for u-channels) between approximately CH501 – CH577. In view of local road narrowing, two 16.0m long passing bays with nominal tapers of 1:3 have been proposed before reaching the narrowed road section on both eastbound and westbound KNP Road to further enhance road safety. Traffic signs will be placed to warn the motorist of the road narrowing ahead. The revised KNP road layout is shown in Figure 2g.

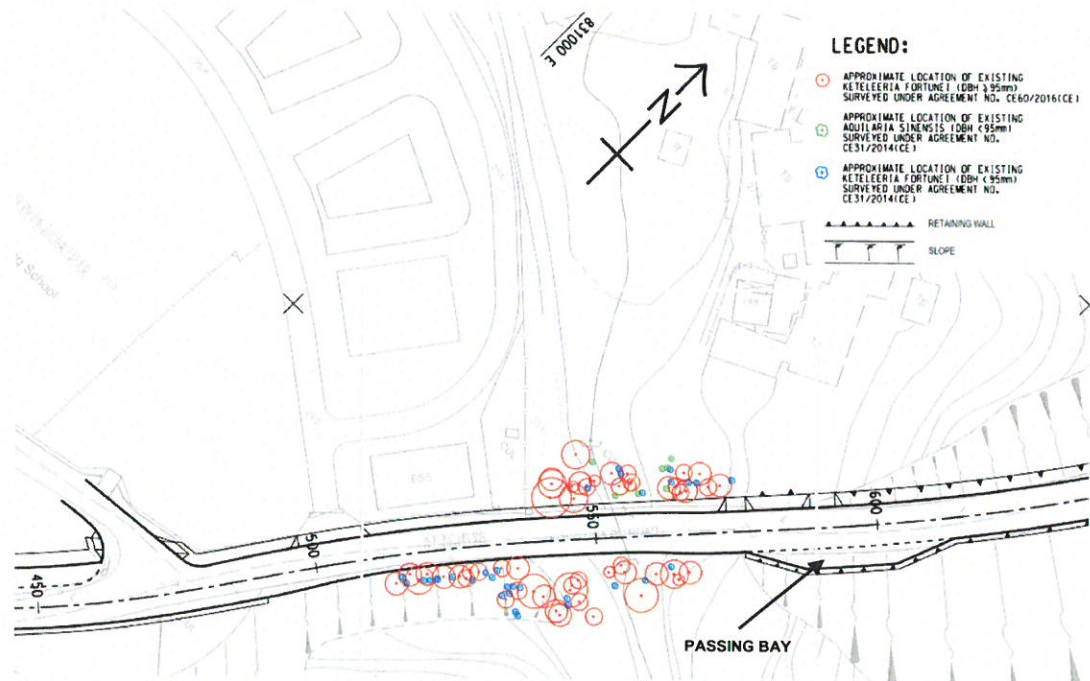


Fig.2g Revised Kong Nga Po Road Layout

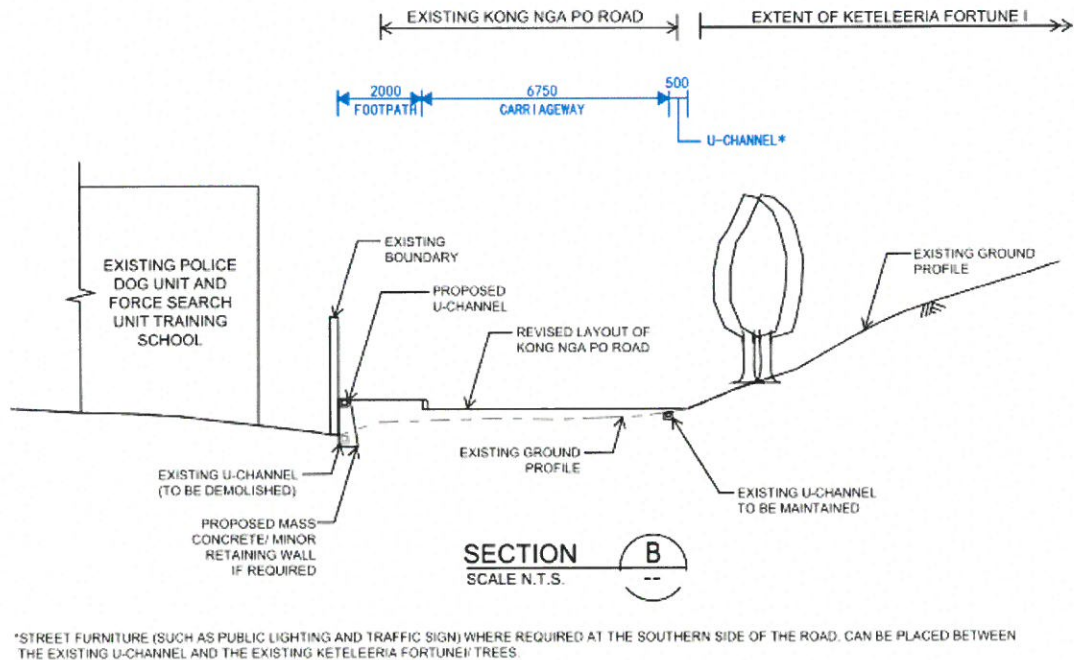


Fig.2h Section of Revised Kong Nga Po Road Layout

- 2.4.3 As shown in Figure 2h, the extent of the revised KNP road layout will take approximately full width of the existing road and roadside area, thereby avoiding conflicts with the locations of the existing *Keteleeria fortunei* (油杉) and *Aquilaria sinensis*.
- 2.4.4 On the other hand, vertical alignment of the narrowed road section will follow that of the existing Kong Nga Po Road as far as possible. The scale of engineering works near the *Keteleeria fortunei* (油杉) and *Aquilaria sinensis* is thus minimized. The revised layout plan and vertical alignment of KNP Road are shown in Appendix B for reference. The locations of individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest are presented in Appendix D.

Works Boundaries, Works Areas and other nearby Major Buildings/Structures/Facilities

- 2.4.5 Works boundaries, which enclose works areas of the KNP Road upgrading works, are also shown in Appendix B. Apart from the existing Police Dog Unit and Force Search Unit Training School, other nearby major buildings, structures and facilities include the existing Hong Kong Police Border District Headquarter, the future Organic Resources Recovery Centre Phase 2 (previously known as Organic Waste Treatment Facilities Phase 2), open storage areas, local villages and an existing pig farm located to the south of the proposed police facilities. As shown in Appendix B, these buildings/structures/facilities are located outside the works boundaries, hence works areas of the KNP Road upgrading works.

- 2.4.6 As a result of the revised road layout, it is expected that the existing *Keteleeria fortunei* (油杉) and *Aquilaria sinensis* can be preserved and transplantation/felling is not required for the KNP Road upgrading works. Nevertheless, as the construction works will be carried out in close proximity, in order to minimize the potential impact of the works to the existing *Keteleeria fortunei* (油杉) and *Aquilaria sinensis*, tree protection works in accordance with DEVB TC(W) 7/2015 on "Tree Preservation" and tree risk assessment in accordance with "Guidelines for Tree Risk Assessment and Management Arrangement" by DEVB shall be undertaken during the construction period. In addition, the construction works will comply with Section 26 of the General Specification for Civil Engineering Works (2006 Edition) for preservation and protection of trees as appropriate.

3 CONCLUSION

- 3.1.1 This explanatory statement is to accompany a revised layout plan of KNP Road to address item (1) of the Conditions of Approval issued by EPD under their letter ref. EP2/N7/B/82 dated 20 October 2016 and the Specific Condition No. 2.16 stipulated in the Environmental Permit.
- 3.1.2 As detailed in Section 2, in order to preserve individuals of *Keteleeria fortunei* (油杉) and *Aquilaria sinensis* identified from the recent tree surveys along the existing Kong Nga Po Road, a revised KNP road layout comprising narrowed road section and passing bays is proposed to be adopted for the KNP Road upgrading works for the police facilities. The revised layout plan of KNP Road is attached in Appendix B and the implementation schedule of the above measure can refer to Table 3.
- 3.1.3 As the construction works will be carried out in close proximity of the existing *Keteleeria fortunei* (油杉) and *Aquilaria sinensis*, tree protection works in accordance with DEVB TC(W) 7/2015 on “Tree Preservation” and tree risk assessment in accordance with “Guidelines for Tree Risk Assessment and Management Arrangement” by DEVB shall be undertaken during the construction period. In addition, the construction works will comply with Section 26 of the General Specification for Civil Engineering Works (2006 Edition) for preservation and protection of trees as appropriate. The implementation schedule of the tree protection works and tree risk assessment can refer to Table 3.

Issue	Mitigation Measures	Location	Implementation Agent	Implementation Stages	Relevant Requirement, Legislation & Guidelines
<i>Keteleeria fortunei</i> (油杉) and <i>Aquilaria sinensis</i> were identified from the tree surveys along the existing KNP Road	To revise the KNP Road layout by (i) locally reducing the width of upgraded road from about 10.8m to about 9.25m, (ii) following vertical alignment of existing KNP Road at the narrowed road section as far as possible; and (iii) providing two 16.0m long passing bays before reaching the narrowed road section on both eastbound and westbound KNP Road to preserve the individuals of <i>Keteleeria fortunei</i> and <i>Aquilaria sinensis</i> . Details please refer to Para. 2.4.1 to 2.4.5.	Between approximately CH501 – CH577 of KNP Road (Appendix D refers)	Design Consultant	Design Stage	1. Item (1) in the Conditions of Approval issued by EPD under their letter ref. EP2/N7/B/82 dated 20 October 2016; 2. EP-510/2016 Special Condition No. 2.16
Construction works will be carried out in close proximity of the existing <i>Keteleeria fortunei</i> (油杉) and <i>Aquilaria sinensis</i>	Tree protection works and tree risk assessment shall be undertaken during the construction period. In addition, the construction works will comply with Section 26 of the General Specification for Civil Engineering Works (2006 Edition) for preservation and protection of trees as appropriate. Details please refer to Para. 2.4.6.		Contractor	Construction Stage	1. DEVB TC(W) 7/2015 on “Tree Preservation”; 2. Tree risk assessment in accordance with “Guidelines for Tree Risk Assessment and Management Arrangement” by DEVB; 3. General Specification for Civil Engineering Works (2006 Edition) Section 26

Table 3. Implementation Schedule of Environmental Mitigation Measures

Appendix A

Approval Letter of EIA Report and Environmental Permit

本署檔號
OUR REF: () in EP2/N7/B/82
來函檔號
YOUR REF:
電話
TEL. NO.:
圖文傳真 2835 1868
FAX NO.:
電子郵件 2591 0558
E-MAIL:
網址
HOMEPAGE: <http://www.epd.gov.hk>

**Environmental Protection Department
Branch Office**

28th Floor, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong.



環境保護署分處
香港灣仔
軒尼詩道
一百三十號
修頓中心廿八樓

20 October 2016

Civil Engineering and Development Department

**Environmental Impact Assessment (EIA) Ordinance, Cap.499
Application for Approval of EIA Report**

**Project Title: Police Facilities in Kong Nga Po
(Application No. EIA-239/2016)**

I refer to your above application received on 30 May 2016 for approval of an EIA report under Section 6(2) of the EIA Ordinance and our previous letter of 28 July 2016 advising you to exhibit the EIA report for public inspection in accordance with Section 6(4) of the EIA Ordinance.

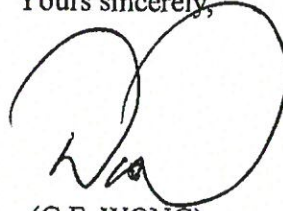
Having considered the public comments received during the public inspection period and the comments from the Advisory Council on the Environment (ACE) given to us on 5 October 2016, I now advise you under Section 8(3) of the EIA Ordinance that the above EIA report as exhibited under Section 7(1) of the EIA Ordinance is approved subject to the conditions at Annex 1 which shall be imposed, together with other relevant requirements, as conditions in the Environmental Permit, if granted, for carrying out the Project. In addition, recommendations from the ACE are contained in Annex 2 for your onward action.

It should be noted that the approval of the EIA report shall not relieve you of the responsibility to comply with other legislation or Government requirements for implementing the Project.

Under Section 15 of the EIA Ordinance, the approved EIA report (Register No. : AEIAR - 201/2016) will be placed on the EIA Ordinance Register. The approved EIA report and the conditions of approval will also be placed on the EIA Ordinance website (<http://www.epd.gov.hk/eia/>).

Should you have any queries concerning the above, please contact my colleague Mr. Steve Li at 2835 1142.

Yours sincerely,

A handwritten signature in black ink, consisting of a large, stylized 'W' followed by a smaller 'C.F.' and a final flourish.

(C.F. WONG)

Principal Environmental Protection Officer
for Director of Environmental Protection

Encl.

c.c. (w/o encl.)

Secretary of ACE EIA Subcommittee (Attn : Ms. Dora CHU)

Fax: 2872 0603

**Environmental Impact Assessment (EIA) Ordinance, Cap.499
Application for Approval of EIA Report**

Project Title: Police Facilities in Kong Nga Po

Reference of the Approved EIA Report in the Register: AEIAR-201/2016

Conditions of Approval under Section 8(3) of the EIA Ordinance

- (1) The project proponent shall minimize ecological disturbances in the road improvement works along Kong Nga Po Road, with a view to preserving individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest. To this end, use of passing bays or traffic control measures at suitable locations in lieu of road widening shall be explored and adopted where appropriate. The revised layout plan of Kong Nga Po Road shall be submitted to the Director of Environmental Protection (DEP) for approval before commencement of the construction works.
- (2) The project proponent shall minimize impact on butterfly species of conservation interest. The re-establishment of the new grassland areas in the Project site shall be enhanced, through planting of appropriate plant species which are the larval food plants of butterfly species of conservation interest such as Small Three-Ring, in order to benefit these species.
- (3) The project proponent shall use permeable pavings to minimize surface runoff and to retain stormwater for landscaping and irrigation in the Project site as far as practicable. A layout plan showing the area and details of permeable pavings shall be submitted to the DEP for approval before commencement of the construction works.
- (4) The project proponent shall conduct a baseline survey for Golden-headed Cisticola covering the remote grasslands in the ecological assessment area, i.e. within a distance of 500 metres from the boundary of the Project site. At least one month before start of site clearance, a report on the survey results, and appropriate measures to reduce the impacts to be adopted if necessary, shall be submitted to the DEP for approval.

- END -

**Environmental Protection Department
October 2016**

**Environmental Impact Assessment (EIA) Ordinance, Cap.499
Application for Approval of EIA Report**

Project Title: Police Facilities in Kong Nga Po

Reference of the Approved EIA Report in the Register: AEIAR-201/2016

**Recommendations from the Advisory Council on the Environment
for Carrying Out the Project**

- (1) The project proponent should review the design of the retaining walls so as to reduce the extent of excavation and amount of inert construction and demolition materials generated and exported from the site formation.
- (2) The project proponent should enhance the ecological connectivity between the Northern and Southern areas of the Project site by adopting a softer and greener design for the proposed boundary wall.
- (3) The project proponent should enhance the noise reduction effect by considering using noise absorbent lining on the surrounding walls.

- END -

**Environmental Protection Department
October 2016**

Environmental Permit No. EP-510/2016
環境許可證編號: EP-510/2016

ENVIRONMENTAL IMPACT ASSESSMENT ORDINANCE
(CHAPTER 499)
SECTION 10
環境影響評估條例
(第499章)
第10條

ENVIRONMENTAL PERMIT TO CONSTRUCT AND OPERATE
A DESIGNATED PROJECT
建造及營辦指定工程項目的環境許可證

PART A (MAIN PERMIT)
A部 (許可證主要部分)

Pursuant to Section 10 of the Environmental Impact Assessment Ordinance (EIAO), the Director of Environmental Protection (the Director) grants this environmental permit to the **Civil Engineering and Development Department** (hereinafter referred to as the “Permit Holder”) to construct and operate the designated project described in [Part B](#) subject to the conditions specified in [Part C](#). The issue of this environmental permit is based on the documents, approvals or permissions described below:

根據《環境影響評估條例》(環評條例)第10條的規定，環境保護署署長(署長)將本環境許可證批予土木工程拓展署(下稱“許可證持有人”)以建造及營辦B部所說明的指定工程項目，但須遵守C部所列明的條件。本環境許可證是依據下列文件、批准或許可而簽發：

Application No. 申請書編號:	AEP-510/2016
Document in the Register: 登記冊上的文件：	<p>(1) Police Facilities in Kong Nga Po (Register No. AEIAR-201/2016) -Environmental Impact Assessment Report [Hereinafter referred to as the “EIA Report”] -EIA Executive Summary [Hereinafter referred to as the “EIA Executive Summary”] -Environmental Monitoring and Audit Manual [Hereinafter referred to as the “EM&A Manual”]</p> <p>缸瓦甫警察設施 (登記冊檔號: AEIAR-201/2016) -環境影響評估報告 [下稱「環評報告」] -環境影響評估報告行政摘要 [下稱「環評行政摘要」] (2) -環境監察及審核手冊 [下稱「環監手冊」]</p> <p>The Director’s letter of approval of the EIA Report dated 20 October 2016 (Reference: (78) in EP2/N7/B/82)</p>

	<p>署長於2016年10月20日發出批准環評報告的信件 (檔 (3) 案編號：(78) in EP2/N7/B/82)</p> <p>Application for environmental permit submitted by the Permit Holder on 30 May 2016 (Application No. AEP- 510/2016) 許可證持有人於2016年5月30日提交的环境許可證申 請 (申請書編號:AEP- 510/2016)</p>
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1 November 2016
2016年11月1日

Date
日期

(C. F. WONG)
Principal Environmental Protection Officer
for Director of Environmental Protection
環境保護署署長
(首席環境保護主任黃傳輝代行)

PART B (DESCRIPTION OF DESIGNATED PROJECT)

B部 (指定工程項目的說明)

Hereunder is the description of the designated project mentioned in [Part A](#) of this environmental permit (hereinafter referred to as the "Permit"):

下列為本環境許可證(下稱“許可證”)A部所提述的指定工程項目的說明:

Title of Designated Project 指定工程項目的名稱	Police Facilities in Kong Nga Po [This designated project is hereinafter referred to as "the Project"] 缸瓦甫警察設施 [本指定工程項目下稱「工程項目」]
Nature of Designated Project 指定工程項目的性質	(i) A helipad within 300m of existing or planned residential development; and 在現有的或計劃中的住宅發展300米內的直升機升降場；以及 (ii) An open firing range. 露天射擊場。
Location of Designated Project 指定工程項目的地點	The location of the Project is shown in Figure 1 of this Permit. 工程項目的地點見本許可證圖1。

<p>Scale and Scope of Designated Project 指定工程項目的規模和範圍</p>	<p>The Project mainly includes:</p> <ol style="list-style-type: none"> 1. Construction and operation of various police facilities including: <ol style="list-style-type: none"> (i) a helipad; (ii) two firing ranges; and (iii) other facilities, associated infrastructure & utilities, etc. 2. Improvement works to a section of the existing Kong Nga Po Road between Man Kam To Road and the Project site. <p>工程項目主要包括以下各項：</p> <ol style="list-style-type: none"> 1. 建造及營辦各項警察設施，包括： <ol style="list-style-type: none"> (i) 一個直升機坪； (ii) 兩個練靶場；以及 (iii) 其他設施，附屬基礎建設和公用設施等。 2. 一段介乎文錦渡路至工程項目地點的缸瓦甫路的改善工程。
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PART C (PERMIT CONDITIONS)

C部 (許可證條件)

1. GENERAL CONDITIONS

一般條件

- 1.1 The Permit Holder and any person working on the Project shall comply with all conditions set out in this Permit. Any non-compliance by any person may constitute a contravention of the Environmental Impact Assessment Ordinance (Cap. 499) and may become the subject of appropriate action being taken under the Ordinance.
- 1.2 The Permit Holder shall ensure full compliance with all legislation from time to time in force including, without limitation to, the Noise Control Ordinance (Cap. 400), Air Pollution Control Ordinance (Cap. 311), Water Pollution Control Ordinance (Cap. 358) and Waste Disposal Ordinance (Cap. 354). This Permit does not of itself constitute any ground of defence against any proceedings instituted under any legislation or imply any approval under any legislation.
- 1.3 The Permit Holder shall make copies of this Permit together with all documents referred to in this Permit and the documents referred to in [Part A](#) of the Permit readily available at all times for inspection by the Director or his authorised officers at all sites/offices covered by this Permit. Any reference to the Permit shall include all documents referred to in the Permit and also the relevant documents in the Register.

- 1.4 The Permit Holder shall give a copy of this Permit to the person(s) in charge of the site(s) and ensure that such person(s) fully understands all conditions and all requirements incorporated in the Permit. The site(s) refers to site(s) of construction and operation of the Project and shall mean the same hereafter.
- 1.5 The Permit Holder shall display conspicuously a copy of this Permit on the Project site(s) at all site entrances/exits or at a convenient location for public's information at all times. The Permit Holder shall ensure that the most updated information about the Permit, including any amended Permit, is displayed at such locations. If the Permit Holder surrenders a part or the whole of the Permit, the notice he sends to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s).
- 1.6 The Permit Holder shall construct and operate the Project in accordance with the project description in [Part B](#) of this Permit.
- 1.7 The Permit Holder shall ensure that the Project is designed, constructed and operated in accordance with the information and recommendations described in the approved EIA Report (Register No. AEIAR-201/2016), the application documents for Environmental Permit (Application No. AEP-510/2016), other relevant documents in the Register, the information and mitigation measures described in this Permit, mitigation measures to be recommended in the submissions that shall be deposited with or approved by the Director as a result of permit conditions contained in this Permit, and mitigation measures to be recommended under on-going surveillance and monitoring activities during all stages of the Project. Where recommendations referred to in the documents of the Register are not expressly referred to in this Permit, such recommendations are nevertheless to be implemented unless expressly excluded or amended in this Permit.
- 1.8 All deposited submissions, as required under this Permit, shall be rectified and resubmitted in accordance with the comments, if any, made by the Director within one month of the receipt of the Director's comments or otherwise as specified by the Director.
- 1.9 All submissions approved by the Director, all submissions deposited without comments by the Director, and all submissions rectified in accordance with comments by the Director under this Permit shall be construed as part of the permit conditions described in [Part C](#) of this Permit. Any variation of the submissions shall be approved by the Director in writing or as prescribed in the relevant permit conditions. Any non-compliance with the submissions may constitute a contravention of the Environmental Impact Assessment Ordinance (Cap. 499). All submissions or any variation of the submissions shall be certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC) referred to in Conditions 2.1 and 2.6 below before submitting to the Director under this Permit.
- 1.10 The Permit Holder shall release all finalized submissions, as required under this Permit, to the public by depositing copies in the Environmental Impact Assessment Ordinance Register Office, or in any other places, or any internet websites as specified by the Director, or by any other means as specified by the Director for public inspection. For this purpose, the Permit Holder shall provide sufficient copies of the submissions.
- 1.11 All submissions to the Director required under this Permit shall be delivered either in person or by registered mail to the Environmental Impact Assessment Ordinance Register Office (currently at 27/F, Southorn Centre, 130 Hennessy Road, Wanchai, Hong Kong). Electronic copies of all finalized submissions required under this Permit shall be prepared

in Hyper Text Markup Language (HTML) (version 4.0 or later) and in Portable Document Format (PDF version 1.3 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hard copies.

- 1.12 The Director shall be notified in writing the commencement dates of construction and operation of the Project no later than one month prior to the respective commencement of construction and operation of the Project. The Director shall be notified in writing immediately if there is any change of the commencement dates of the construction and operation.
- 1.13 For the purpose of this Permit, “commencement of construction” does not include works related to site investigation, clearance and preparation, or other works as agreed by the Director.

2 SPECIFIC CONDITIONS

特定條件

Submissions and/or Measures before Commencement of Construction of the Project

Employment of Environmental Team (ET)

- 2.1 A single full time on-site ET, unless otherwise approved by the Director, shall be employed by the Permit Holder no later than 3 months before the commencement of construction of the Project. The ET shall be directly supervised by the Engineer’s Representative of the Permit Holder (ER) and shall not be in any way an associated body of the Contractor or the IEC for the Project. The Permit Holder shall provide a site office to the ET for use. The ET shall be headed by a full time on-site ET Leader. The ET Leader shall be a person who has at least 7 years of experience in environmental monitoring and auditing (EM&A) or environmental management.
- 2.2 The ET and the ET Leader shall be responsible for:
- (i) implementing the EM&A programme in accordance with the EM&A requirements as contained in the EM&A Manual of the Project as mentioned in Condition 3.1 below;
 - (ii) certifying the environmental acceptability of permanent and temporary works, relevant design plans and submissions required in the EM&A Manual and under this Permit;
 - (iii) carrying out site inspections to audit the Contractor’s site practice and work methodologies with respect to environmental mitigation measures contained in the EM&A Manual of the Project and to take pro-active actions to pre-empt environmental problems;
 - (iv) notifying the IEC within one working day of the occurrence of each and every instance or circumstance or change of circumstances, which may affect the compliance with the recommendations of the approved EIA Report (Register No. AEIAR-201/2016) and this Permit; and
 - (v) keeping a contemporaneous log-book of any such instance or circumstance or change of circumstances. The log-book shall be kept readily available for inspection by all persons assisting in supervision of the implementation of the

recommendations of the approved EIA Report (Register No. AEIAR-201/2016) and this Permit or by the Director or his authorized officers.

- 2.3 - Failure to maintain records in the log-book, or failure to discharge the duties of the ET Leader as defined in the EM&A Manual and Condition 2.2 above would entitle the Director to require the Permit Holder by notice in writing to replace the ET Leader. Failure by the Permit Holder to make such replacement, or further failure to comply with this Condition despite the employment of a new ET Leader may render the Permit liable to suspension, cancellation or variation.

- ***Employment of Qualified Ecologist(s)***

- 2.4 - The Permit Holder shall, no later than 3 months before the commencement of the construction of the Project, appoint Qualified Ecologist(s) to form part of the ET to carry out work relating to ecological aspects including but not limited to a detailed vegetation survey, a baseline survey for Golden-headed Cisticola and submissions for the Project as required under Conditions 2.13 to 2.15 respectively, and the planting of larval food plants of butterfly species of conservation interest under Condition 2.21. Each Qualified Ecologist shall be a person who has at least 5 years of relevant experience. The qualification and experience of the Qualified Ecologist(s) shall be certified by the ET Leader and verified by the IEC.

- ***Employment of Registered Landscape Architect***

- 2.5 - The Permit Holder shall, no later than 1 month before the commencement of the construction of the Project, appoint a Registered Landscape Architect to form part of the ET to carry out work relating to landscape aspects including but not limited to auditing mitigation measures to ensure compliance with the recommendations of the approved EIA Report (Register No. AEIAR-201/2016) and to certify submissions for the Project as required under Conditions 2.18 and 2.19. The qualification and experience of the Registered Landscape Architect shall be certified by the ET Leader and verified by the IEC.

- ***Employment of IEC***

- 2.6 A single full time on-site IEC with a supporting team, unless otherwise approved by the Director, shall be employed by the Permit Holder no later than 3 months before the commencement of construction of the Project. The IEC and his team shall not be in any way an associated body of the ER, the Contractor or the ET for the Project. The IEC shall be approved by the Director before appointment by the Permit Holder. The Permit Holder shall provide a site office to the IEC and his supporting team for use. The IEC shall be a person who has at least 7 years of experience in EM&A or environmental management.
- 2.7 The IEC shall report directly to the Director and shall submit to the Director for approval, no later than 1 month before the commencement of the construction of the Project, a proposal on the reporting mechanism covering the approaches for the IEC and the supporting team to report to the Director on:
- (i) how to discharge all the IEC duties specified under the EM&A programme and this Permit, taking into account the construction activities and programme of the Project and Conditions 2.1 to 2.5 above;

- (ii) how to handle each and every change of circumstances, emergency events relating to violation of environmental legislation (such as illegal dumping and landfilling) or non-compliance (including suspects of non-compliance) with the recommendations (such as construction methods, mitigation measures, and environmental standards) of the approved EIA Report (Register No. AEIAR-201/2016), the EM&A Manual and this Permit, which might affect the monitoring or control of adverse environmental impacts from the Project; and
- (iii) how to keep proper records in order to respond to questions and enquires from the Director on the EM&A programme and duties discharged by the IEC.

2.8 The IEC shall be responsible for duties defined in the EM&A Manual and this Permit, including but not limited to the following:

- (i) to audit the overall EM&A performance, including the implementation of all environmental mitigation measures and monitoring activities on site;
- (ii) to verify the environmental acceptability of permanent and temporary works, relevant design plans and submissions required in the EM&A Manual and under this Permit;
- (iii) to verify the log-book(s) mentioned in Condition 2.2(v);
- (iv) to notify the Director by fax or email, within one working day of receipt of notification from the ET Leader, or identification by the IEC and his team, of each and every change of circumstances and emergency events mentioned in Condition 2.7(ii). Notification by the Permit Holder is the same as notification by the IEC for the purpose of this Condition;
- (v) to accompany the Director in carrying out site inspections and attending meetings when requested;
- (vi) to offer objective and professional advice on environmental issues, when requested, and to respond to questions and enquires from the Director on the EM&A programme and duties discharged by the IEC, with the support of relevant information, documents and records as appropriate; and
- (vii) to allocate adequate resources, including any necessary specialist support having regard to the specialists in the ET under Conditions 2.4 to 2.5, for discharging the duties required in this Permit and the EM&A Manual.

2.9 If the Director considers the IEC fails to discharge the duties of the IEC as defined in the EM&A Manual or in this Permit, the Director may require the Permit Holder by notice in writing to replace the IEC. Failure to replace the IEC as directed or further failure of the IEC to discharge his duties despite employment of a new IEC may render the Permit liable to suspension, cancellation or variation.

Community Liaison Hotline

2.10 A telephone hotline shall be set up prior to the commencement of construction and shall be operated during the construction of the Project to handle complaints, comments,

suggestions or requests for information from the public. The Permit Holder shall notify the Director the date of setting up the hotline and the contact details of the hotline at least 2 weeks before the commencement of construction of the Project. The contact details of the hotline shall be made available to the public via the dedicated website to be set up by the Permit Holder as described in Condition 4.2 of this Permit.

Submission of Management Organizations

- 2.11 The Permit Holder shall, no later than 1 month before the commencement of construction of the Project, inform the Director in writing with the following information which shall include at least an organization chart, names of responsible persons and their contact details:
- (i) the management organization of the main construction companies and/or any form of joint ventures associated with the construction of the Project;
 - (ii) the management organization of the ET; and
 - (iii) the management organization of the IEC and his supporting team.

Submission of Construction Works Schedule and Location Plans

- 2.12 The Permit Holder shall, no later than 1 month before the commencement of construction of the Project, deposit 4 hard copies and 1 electronic copy of a Works Plan with the Director. The plan shall include at least the following information/specifications:
- (i) a detailed phasing programme of all construction works including site formation, foundation works, construction of general building and structure and improvement works to existing Kong Nga Po Road of the Project; and
 - (ii) location plan of all construction works in an appropriate scale as agreed by the Director.

Submission of Detailed Vegetation Survey Report

- 2.13 To reduce the impact on flora species of conservation interest due to construction of the Project, including Cycad-fern (*Brainea insignis*), Fortune's Keteleeria (*Keteleeria fortunei*) and Ladies Tresses (*Spiranthes sinensis*) and any other flora species of conservation interest identified during the detailed vegetation survey, the Permit Holder shall:
- (i) no later than 3 months before start of site clearance, submit 4 hard copies and 1 electronic copy of a Detailed Vegetation Survey Report showing the methodology as well as survey results, including the updated conditions, number and locations of the individuals of flora species of conservation interest identified within the works boundary, including Kong Nga Po Road, confirming whether any individuals of these species would be directly affected by the proposed works, recommending protective measures for identified individuals of each species where in situ preservation is feasible, and assessing the suitability and / or practicality of the transplantation of those individuals to be directly affected to the Director for approval; and

- (ii) no later than 1 month before commencement of plant transplantation, submit 4 hard copies and 1 electronic copy of a Transplantation Proposal showing methodology of transplantation for each species, plans with proposed recipient locations, post-transplantation maintenance schedule for each species and detailed implementation programme to the Director for approval;

2.14 The Detailed Vegetation Survey Report and the Transplantation Proposal shall be prepared by the Qualified Ecologist(s) appointed under Condition 2.4 and shall be certified by the ET Leader and verified by the IEC as conforming to the information and recommendations contained in the EIA Report (Register No. AEIAR-201/2016). All recommended measures as set out in the deposited Detailed Vegetation Survey Report and the Transplantation Proposal shall be fully and properly implemented.

Submission of Baseline Survey Report for Golden-headed Cisticola

2.15 The Permit Holder shall conduct a baseline survey for Golden-headed Cisticola covering the remote grasslands in the ecological assessment area, i.e. within a distance of 500 metres from the boundary of the Project site. The Permit Holder shall no later than 1 month before start of site clearance, submit 4 hard copies and 1 electronic copy of a report on the survey results to the Director for approval. The survey report shall propose appropriate measures to be adopted to reduce the impacts, if necessary.

Submission of Revised Layout Plan of Kong Nga Po Road

2.16 The Permit Holder shall minimize ecological disturbances in the road improvement works along Kong Nga Po (KNP) Road, with a view to preserving individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest. To this end, use of passing bays or traffic control measures at suitable locations in lieu of road widening should be explored and adopted where appropriate. The Permit Holder shall no later than 1 month before the commencement of the construction works for KNP Road submit 4 hard copies and 1 electronic copy of a revised layout plan of KNP Road in the scale of at least 1:1000, or other appropriate scale as agreed by the Director, to the Director for approval. The plan shall be submitted with an explanatory statement detailing the works boundaries, the works areas, vertical and horizontal alignments of the roads and other nearby major buildings, structures and facilities; and the locations of individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest.

Submission of Layout Plan for Permeable Pavings

2.17 The Permit Holder shall use permeable pavings to minimize surface runoff and to retain stormwater for landscaping and irrigation purposes in the Project site as far as practicable. The Permit Holder shall no later than 1 month before the commencement of the construction works of the Project, submit 4 hard copies and 1 electronic copy of the layout plan for permeable pavings to the Director for approval. The plans shall be in the scale of 1:1000, or other appropriate scale as agreed by the Director, and shall include details of the paving materials and justifications with supporting evidence for any area using non-permeable pavings.

Submission of Landscape and Visual Mitigation Plan(s)

- 2.18 The Permit Holder shall no later than 1 month before the commencement of construction of relevant part(s) of the Project, submit 4 hard copies and 1 electronic copy of a Landscape and Visual Mitigation Plan(s), which shall be certified by the Registered Landscape Architect appointed under Condition 2.5, and shall be certified by the ET Leader and verified by the IEC as conforming to the information and recommendations contained in the EIA Report (Register No. AEIAR-201/2016) to the Director for approval.
- 2.19 The Landscape and Visual Mitigation Plan(s) shall include the locations, size, number and species of planting, design details, implementation programme, maintenance and management schedules of the landscape and visual mitigation measures recommended in the EIA Report (Register No. AEIAR-201/2016) and drawings in the scale of 1:1000, or other appropriate scale as agreed by the Director, showing the landscape and visual mitigation measures of the Project. The plan shall include details of the compensatory planting proposal for trees affected by the Project. The plan shall also specify details of the plant species as larval food plants of butterflies as required under Condition 2.21 below.

Submission of Plan for Perimeter Walls/ Boundary Walls at Project Site and Side Walls of Firing Ranges

- 2.20 To reduce operational noise impact from firing ranges, the Permit Holder shall no later than 1 month before the commencement of construction of relevant part(s) of the Project, submit 4 hard copies and 1 electronic copy of a plan for the design of perimeter wall/ boundary wall at the Project site and side walls at reprovisioned Ma Tso Lung Firing Range (see [Figure 1](#)) to the Director for Approval. The plan shall include but not limited to the design, locations, height and materials of the perimeter wall/ boundary wall at the Project site and side walls at reprovisioned Ma Tso Lung Firing Range and shall be certified by the ET Leader and verified by the IEC as conforming to the information and recommendations contained in the EIA Report (Register No. AEIAR-201/2016).

Submissions and/ or Measures to be Implemented before Commencement of Operation of the Project

Measures to Mitigate Ecological Impacts on Butterfly Species of Conservation Interest

- 2.21 To minimize impact on butterfly species of conservation interest, the re-establishment of the new grassland areas in the Project site shall be enhanced, through planting of appropriate plant species which are the larval food plants of butterfly species of conservation interest such as Small Three-Ring, in order to benefit these species.

Measures to Mitigate Noise Impacts during Operation of Helipad

- 2.22 To reduce noise impacts during operation of the helipad, the following mitigation measures shall be implemented:
- (i) The police training activities involving any helicopter operation shall be restricted to 7am to 7pm; and

- (ii) the Permit Holder shall not allow more than 2 helicopters to operate at the helipad at the same time. When 1 helicopter is hovering, approaching or taking-off from the helipad, the other helicopter operating at the same time is only allowed to idle on the helipad.

Submission of Helicopter Flight Plan

2.23 The Permit Holder shall no later than 1 month before the commencement of operation of the Helipad submit to the Director for approval 4 hard copies and 1 electronic copy of a flight plan showing the flight paths and approach & take-off angles for the helicopter. The plan shall include at least the following information:

- (i) A detailed flight profile;
- (ii) Figures showing the restricted ranges of approach/ taking-off flight paths and angles
- (iii) A detailed implementation programme for the proposed flight profile.

The plan shall be certified by the ET Leader and verified by the IEC as conforming to the information and recommendations contained in the EIA Report (Register No. AEIAR-201/2016) and shall be fully and properly implemented.

3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

環境監察及審核規定

- 3.1 The Permit Holder shall implement the EM&A programme in accordance with the procedures and requirements as set out in the EM&A Manual. Any changes to the programme shall be justified by the ET Leader and verified by the IEC as conforming to the information and requirements contained in the EM&A Manual before submission to the Director for approval.
- 3.2 The Permit Holder shall take samples, measurements and necessary remedial actions in accordance with the requirements of the EM&A Manual by:
 - (i) conducting baseline environmental monitoring;
 - (ii) conducting impact monitoring;
 - (iii) carrying out remedial actions described in the Event/Action Plans of the EM&A Manual in accordance with the time frame set out in the Event/Action Plans, or as agreed by the Director, in case where specified criteria in the EM&A Manual are exceeded; and
 - (iv) logging and keeping records of the details of (i) to (iii) above for all parameters within 3 working days of the collection of data or completion of remedial action(s), for the purpose of preparing and submitting the monthly EM&A Reports and to make available the information for inspection on site.
- 3.4 The Permit Holder shall submit 4 hard copies and 1 electronic copy of relevant Baseline Monitoring Reports to the Director at least 1 month before the commencement of construction of the Project. The submissions shall be certified by the ET Leader and

verified by the IEC as having complied with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of the Baseline Monitoring Reports shall be provided upon request by the Director.

3.5 The Permit Holder shall submit 4 hard copies and 1 electronic copy of Monthly EM&A Reports for the construction stage of the Project to the Director, within 2 weeks after the end of the reporting month. The monthly EM&A Reports shall include an executive summary of all environmental audit results, together with actions taken in the event of non-compliance (exceedances) of the environmental quality performance limits (Action and Limit Levels), complaints received and emergency events relating to violation of environmental legislation (such as illegal dumping and landfilling). The submissions shall be certified by the ET Leader and verified by the IEC as having complied with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of the Monthly EM&A Reports shall be provided upon request by the Director.

3.6 All environmental monitoring and audit data submitted under this Permit shall be true, valid and correct.

3.7 To ensure a high degree of transparency regarding the monitoring data and results in view of the public concern about the Project, all environmental monitoring and audit data and results and all submissions and all performance test data and results required by this Permit shall be made available by the Permit Holder to the public through a dedicated website to be set up by the Permit Holder under Condition 4.2 below, in the shortest practicable time and in any event no later than 2 weeks after such information is available, unless otherwise agreed by the Director.

4. ELECTRONIC REPORTING OF EM&A INFORMATION

環監資料的電子匯報

4.1 To facilitate public inspection of the Baseline Monitoring Report and Monthly EM&A Reports via the EIAO Internet Website and at the EIAO Register Office, electronic copies of these Reports shall be prepared in Hyper Text Markup Language (HTML) (version 4.0 or later) and in Portable Document Format (PDF version 1.3 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hard copies as described in Conditions 3.4 and 3.5 above. For the HTML version, a content page capable of providing hyperlink to each section and sub-section of these Reports shall be included in the beginning of the document. Hyperlinks to all figures, drawings and tables in these Reports shall be provided in the main text from where the respective references are made. All graphics in these Reports shall be in interlaced GIF, JPEG or PDF format unless otherwise agreed by the Director. The content of the electronic copies of these Reports must be the same as the hard copies.

4.2 The Permit Holder shall, at least 2 weeks before the commencement of construction of the Project, set up a dedicated Internet website and notify the Director in writing the Internet address where the environmental monitoring data and project information is to be placed. All environmental monitoring data described in Condition 4.1 above shall be made

available to the public via the abovementioned dedicated Internet website as mentioned in Condition 3.7. All finalized submissions and plans shall be made available to the public via the dedicated Internet website in the shortest possible time and in any event no later than 2 weeks after the submissions and plans are approved by or deposited with the Director, unless otherwise agreed with the Director. The Permit Holder shall maintain the dedicated website for public access of the environmental monitoring data and reports throughout the entire construction period and until 6 months after the last EM&A report is uploaded, or otherwise as agreed by the Director.

- 4.3 The Internet website as described in Condition 4.2 above shall enable user-friendly public access to the environmental monitoring data and project information including the Project Profile and this Permit. The Internet website shall have features capable of:
- (i) providing access to all environmental monitoring data of this Project collected since the commencement of construction;
 - (ii) searching by date;
 - (iii) searching by types of monitoring data; and
 - (iv) hyperlinking to relevant monitoring data after searching;
- or otherwise as agreed by the Director.

Notes:
註：

1. This Permit consists of three parts, namely, [Part A](#) (Main Permit), [Part B](#) (Description of Designated Project) and [Part C](#) (Permit Conditions). Any person relying on this permit shall obtain independent legal advice on the legal implications under the EIAO, and the following notes are for general information only.
本許可證共有3部，即[A部](#)（許可證主要部分）；[B部](#)（指定工程項目的說明）及[C部](#)（許可證條件）。任何援引本許可證的人士須就環評條例的法律含意徵詢獨立法律意見，下述註解只供一般參考用。
2. If there is a breach of any condition of this Permit, the Director or his authorized officer may, with the consent of the Secretary for the Environment, order the cessation of associated work until the remedial action is taken in respect of the resultant environmental damage, and in that case the Permit Holder shall not carry out any associated works without the permission of the Director or his authorized officer.
如違反本許可證的任何條件，署長或獲授權人員徵得環境局局長的同意後勒令停止相關工程，直至許可證持有人為所造成的環境損害採取補救行動為止。在此情況下，許可證持有人未經署長或獲授權人員同意，不得進行任何相關工程。
3. The Permit Holder may apply under Section 13 of the EIAO to the Director for a variation of the conditions of this Permit. The Permit Holder shall replace the original permit displayed on the Project site by the amended permit.

許可證持有人可根據環評條例第13條的規定向署長申請更改本環境許可證的條件。許可證持有人須將經修改的許可證替換在建造工地內展示的原有許可證。

4. A person who assumes the responsibility for the whole or a part of the Project may, before he assumes responsibility of the Project, apply under Section 12 of the EIAO to the Director for a further environmental permit.
承擔工程項目整項或部分工程的責任的人，在承擔責任之前，可根據環評條例第12條的規定向署長申請新的環境許可證。
5. Under Section 14 of the EIAO, the Director may with the consent of the Secretary for the Environment suspend, vary or cancel this Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site.
根據環評條例第14條的規定，署長可在環境局局長的同意下暫時吊銷、更改或取消環境許可證。遭暫時吊銷、更改或取消的環境許可證必須從工程項目工地除下，不再展示。
6. If this Permit is cancelled or surrendered during the construction or operation of the Project, another environmental permit must be obtained under the EIAO before the Project could be continued. It is an offence under Section 26(1) of the EIAO to construct or operate a designated project listed in Part 1 and 2 of Schedule 2 of the EIAO without a valid environmental permit.
如果本許可證在工程項目建造或營辦期間取消或交回，則在繼續營辦工程項目之前，必須先根據環評條例規定取得另一份環境許可證。根據環評條例第26(1)條的規定，任何人在沒有有效環境許可證的情況下建造或營辦環評條例附表2第1及2部所列明的指定工程項目，即屬犯罪。
7. Any person who constructs or operates the Project contrary to the conditions in the Permit, and is convicted of an offence under the EIAO, is liable:
如任何人在違反本許可證的條件下建造或營辦工程項目，根據環評條例，即屬犯罪—
 - (i) on a first conviction on indictment to a fine of \$2 million and to imprisonment for 6 months;
一經循公訴程序首次定罪，可處罰款200萬元及監禁6個月；
 - (ii) on a second or subsequent conviction on indictment to a fine of \$5 million and to imprisonment for 2 years;
一經循公訴程序第二次或其後每次定罪，可處罰款500萬元及監禁2年；
 - (iii) on a first summary conviction to a fine at level 6 and to imprisonment for 6 months;
一經循簡易程序首次定罪，可處第6級罰款及監禁6個月；
 - (iv) on a second or subsequent summary conviction to a fine of \$1 million and to imprisonment for 1 year; and
一經循簡易程序第二次或其後每次定罪，可處罰款100萬元及監禁1年；及
 - (v) in any case where the offence is of a continuing nature, the court or magistrate may impose a fine of \$10,000 for each day on which he is satisfied the offence continued.
在任何情況下如該罪行屬持續性質，則法院或裁判官可就其信納該罪行持續的每天另處罰款10,000元。

8. The Permit Holder may appeal against any condition of this Permit under Section 17 of the EIAO within 30 days of receipt of this Permit.
許可證持有人可在接獲本許可證後30天內，根據環評條例第17條就本許可證的任何條件提出上訴。
9. The Notes are for general reference only and that the Permit Holder should refer to the EIAO for details and seek independent legal advice.
上述註解只供一般參考用，欲知有關詳情，許可證持有人須參閱環評條例及徵詢獨立法律意見。

Environmental Permit No. EP-510/2016

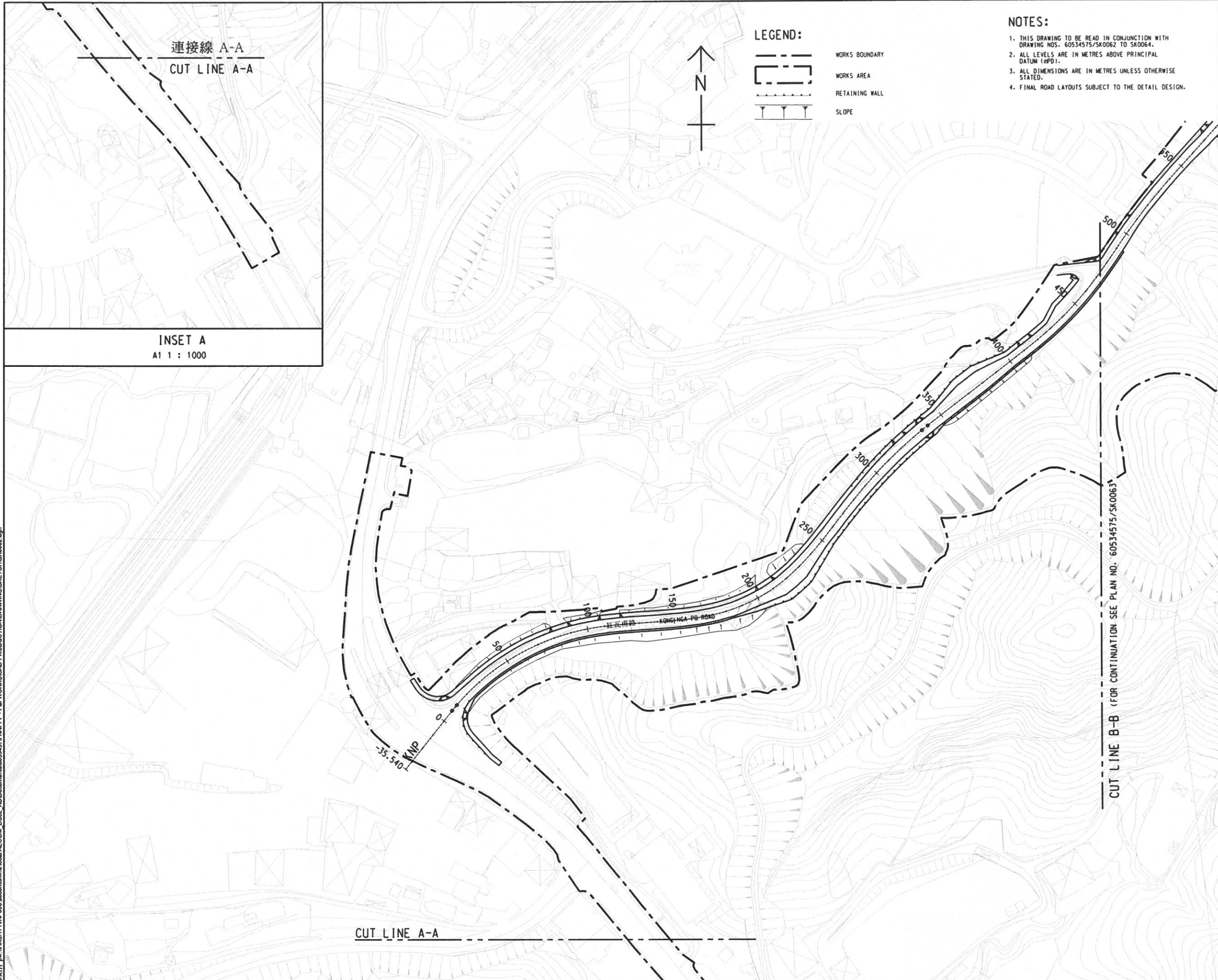
環境許可證編號:EP-510/2016

- | [Figure 1](#) |

[[Back to First Page](#)] / [[Back to Main Index](#)]

Appendix B

*Revised Layout Plan and Vertical Alignment of
Kong Nga Po Road*



LEGEND:

- WORKS BOUNDARY
- WORKS AREA
- RETAINING WALL
- SLOPE

NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60534575/SK0062 TO SK0064.
2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM (MPD).
3. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
4. FINAL ROAD LAYOUTS SUBJECT TO THE DETAIL DESIGN.



PROJECT
SITE FORMATION AND INFRASTRUCTURE WORKS FOR POLICE FACILITIES IN KONG NGA PO - DESIGN AND CONSTRUCTION

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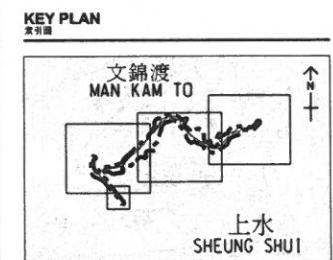
SUB-CONSULTANTS

ISSUE/REVISION

IR	DATE	DESCRIPTION	CHK.

STATUS

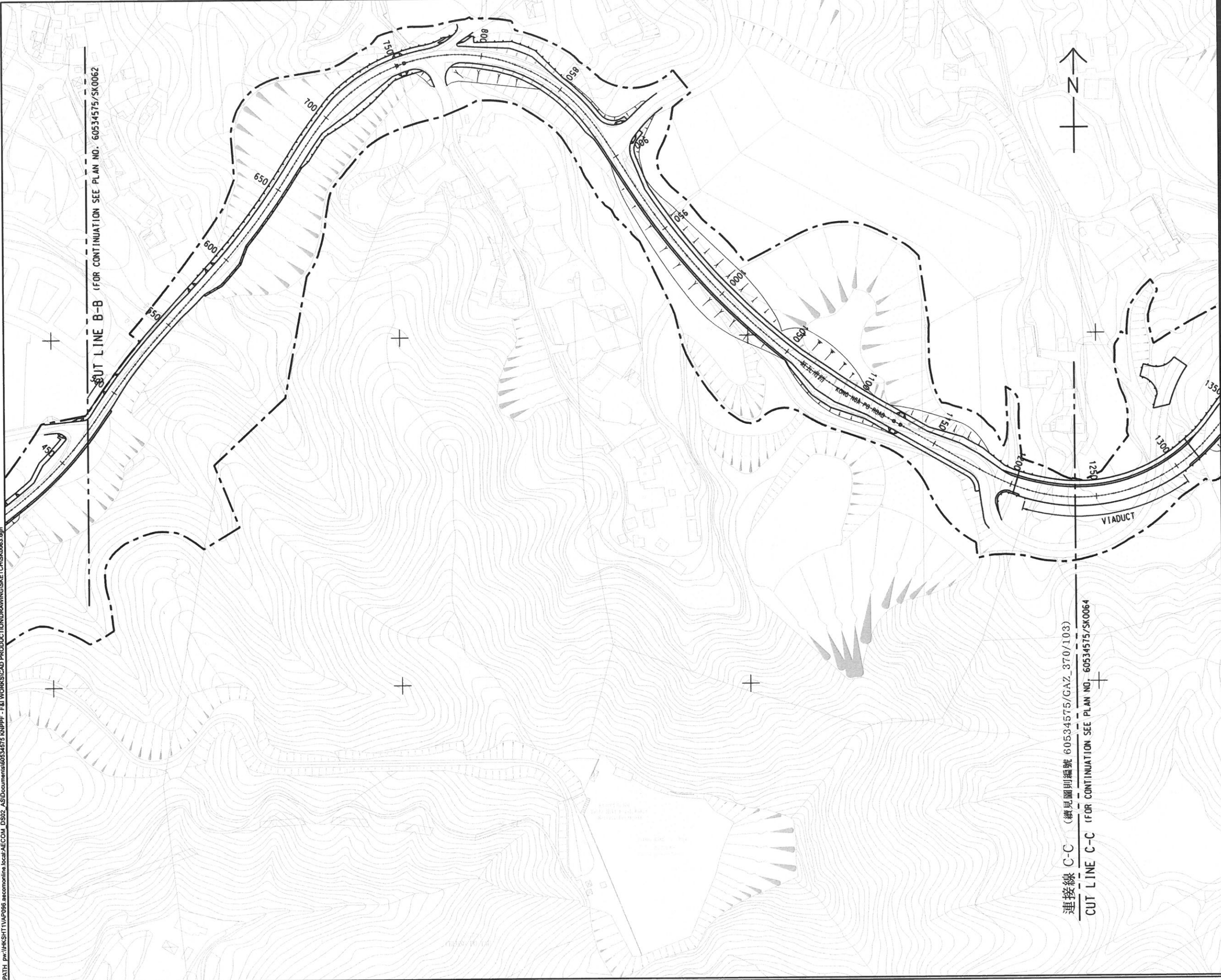
SCALE **DIMENSION UNIT**



PROJECT NO. **CONTRACT NO.**
60534575 CE 60/2016 (CE)

SHEET TITLE
REVISED LAYOUT PLAN OF KONG NGA PO ROAD

SHEET NUMBER
60534575/SK0062



連接線 C-C (續見圖則編號 60534575/GAZ_370/103)
CUT LINE C-C (FOR CONTINUATION SEE PLAN NO. 60534575/SK0064)

ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.

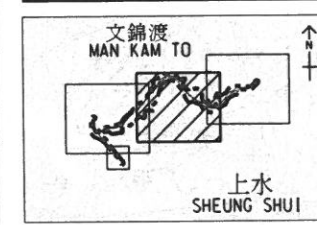
NO.	DATE	DESCRIPTION	CHK.

STATUS

SCALE DIMENSION UNIT

1:1000 米/毫米

KEY PLAN



PROJECT NO. 60534575 CONTRACT NO. CE 60/2016 (CE)

SHEET TITLE
REVISED LAYOUT PLAN OF KONG NGA PO ROAD

SHEET NUMBER
60534575/SK0063

Plot File by: huyaww 7/20/2017
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 Project Management Initials: Designer: Checked: Approved: ISO A1 594mm x 841mm



PROJECT
 項目
SITE FORMATION AND INFRASTRUCTURE WORKS FOR POLICE FACILITIES IN KONG NGA PO - DESIGN AND CONSTRUCTION

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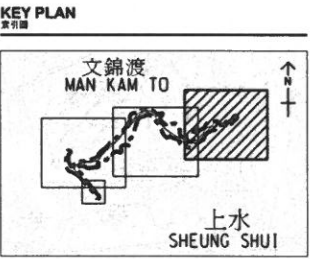
ISSUE/REVISION
 修訂

VR	DATE	DESCRIPTION	CHK
修訂	日期	內容修訂	檢核

STATUS
 階段

SCALE
 比例
 1 : 1000

DIMENSION UNIT
 尺寸單位



PROJECT NO.
 項目編號
 60534575

CONTRACT NO.
 合約編號
 CE 60/2016 (CE)

SHEET TITLE
 圖紙名稱
 REVISED LAYOUT PLAN OF KONG NGA PO ROAD

SHEET NUMBER
 圖紙編號
 60534575/SK0064

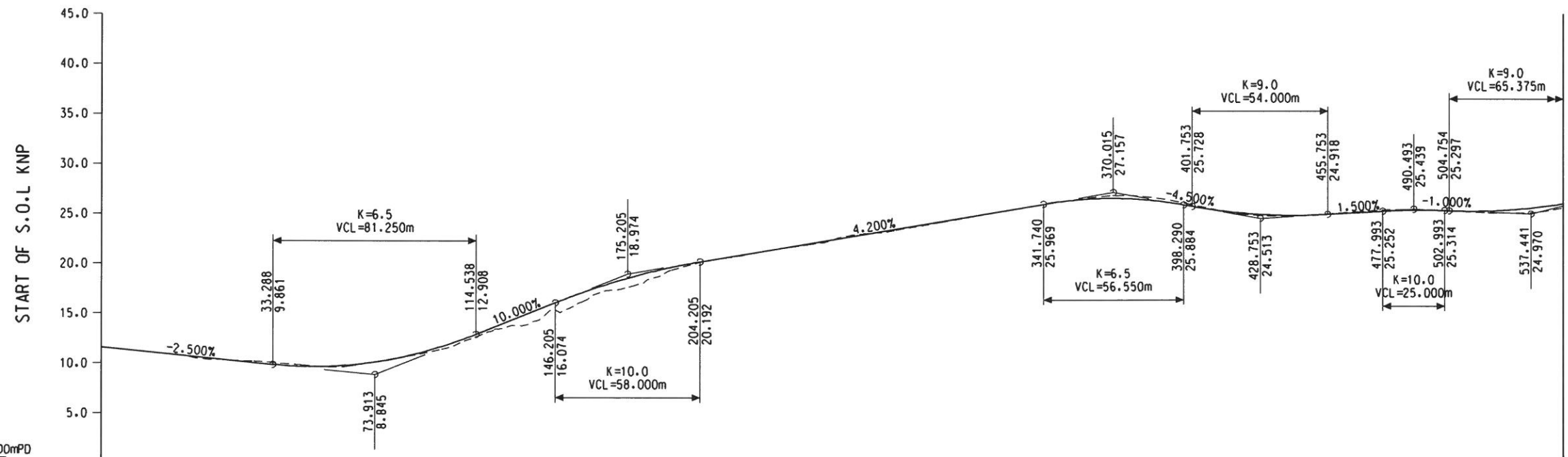
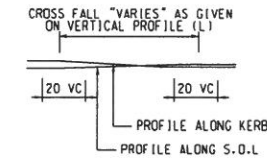
SHEET 3 OF 3

ABBREVIATION:

- K CONSTANT WHERE BY VERTICAL RADIUS=100 x K
- R RADIUS (METRES)
- V. C. VERTICAL CURVE (METRES)
- LS SPIRAL LENGTH (METRES)
- L STRAIGHT LINE (METRES)

NOTES:

1. FOR NOTES AND LEGEND REFER TO DRAWING NOS. 60534575/SK2011 TO SK2013.
2. ALL LEVELS SHOWN ON THE VERTICAL PROFILE ARE IN METRES ABOVE PRINCIPAL DATUM AND REFER TO THE FINISHED ROAD LEVEL ALONG SETTING OUT LINE.
3. CROSS FALL SHOWN IN THIS DRAWING IS TAKEN IN THE DIRECTION OF INCREASING CHAINAGES.
4. VERTICAL CURVE OF 20m LONG SHALL BE APPLIED AT ALL CHANGES OF GRADIENT ALONG THE CARRIAGEWAY KERB UNLESS L<20m; FOR CHANGES OF GRADIENT ALONG THE CARRIAGEWAY KERB WITH L<20m; THE VERTICAL CURVE SHALL BE L(m) LONG.
5. CROSS FALL IN HARD SHOULDER/MARGINAL STRIP SHALL BE THE SAME AS THAT OF THE ADJOINING CARRIAGEWAY UNLESS OTHERWISE SPECIFIED OR INSTRUCTED BY THE ENGINEER.



CONTINUED SEE DRAWING NO. 60534575/SK2012

CHAINAGE	PROPOSED LEVEL	EXISTING LEVEL	HORIZ. ALIGNMENT	CROSS FALL
-35.540	11.582		L=42.943	MATCH WITH EXISTING
0.000	10.693	10.623	R=130.000	VARIES
7.403	10.508	10.369		
20.000			LS=35.000	+6.8% -6.8%
50.000	9.658	9.699		
98.855	11.529	11.294	LS=50.000	VARIES
100.000	11.617	11.358		
133.855	14.839	13.806	R=95.000	-9.3% +9.3%
150.000	16.447	15.335		
183.855	19.131	18.476	LS=50.000	VARIES
200.000	20.007	19.856		
214.422	20.622	20.570	R=270.000	+3.3% -3.3%
250.000	22.116	22.000		
264.422	22.722	22.834	LS=20.000	VARIES
284.422	23.562	23.456		
300.000	24.216	24.127	LS=20.000	VARIES
332.652	25.587	25.546		
350.000	26.263	26.261	L=51.243	-2.5% -2.5%
352.652	26.336	26.361		
360.000			LS=22.500	VARIES
390.000				
400.000	25.807	25.964	R=200.000	-4.4% +4.4%
403.896	25.634	25.755		
426.396	24.957	24.843	LS=22.500	VARIES
450.000	24.850	24.883		
466.561	25.080	25.179	LS=13.000	VARIES
489.061	25.357	25.387		
500.000	25.340	25.337	R=355.000	+3.0% -3.0%
502.061	25.323	25.327		
505.000			LS=13.000	VARIES
537.445	25.564	25.083		
550.000	25.982	25.577	VARIES	VARIES
550.445	26.000	25.599		

PROFILE ALONG THE SETTING OUT LINE KNP
 A1 SCALE HOR. 1:1000
 VER. 1:250



PROJECT
 SITE FORMATION AND INFRASTRUCTURE WORKS FOR POLICE FACILITIES IN KONG NGA PO - DESIGN AND CONSTRUCTION

CLIENT
 土木工程拓展署
 CEDD Civil Engineering and Development Department

CONSULTANT
 AECOM Asia Company Ltd.
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SUB-CONSULTANTS
 分判工程顧問公司

ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.

STATUS
 待批

SCALE
 A1: 1000
DIMENSION UNIT
 METERS

KEY PLAN
 索引圖

PROJECT NO.
 60534575
CONTRACT NO.
 CE 60/2016 (CE)

SHEET TITLE
 ROAD PROFILE

SHEET NUMBER
 60534575/SK2011

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NOTE:

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PROJECT

SITE FORMATION AND INFRASTRUCTURE WORKS FOR POLICE FACILITIES IN KONG NGA PO - DESIGN AND CONSTRUCTION

CLIENT



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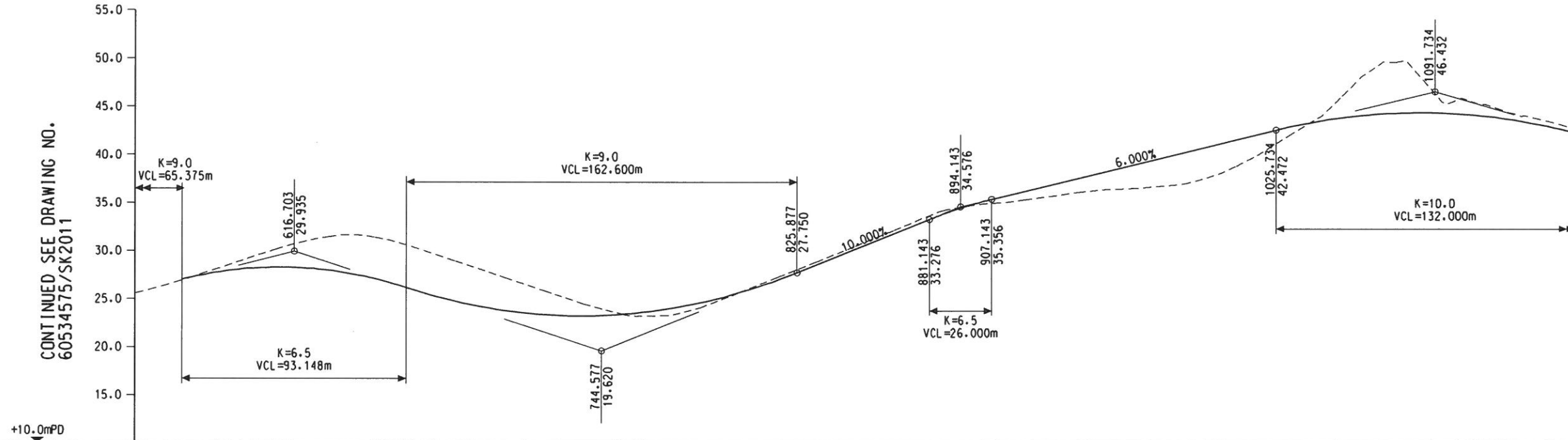
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CONTINUED SEE DRAWING NO. 60534575/SK2011

CONTINUED SEE DRAWING NO. 60534575/SK2013



CHAINAGE	550.445	584.140	595.390	600.000	650.000	653.858	665.148	700.000	712.148	750.000	800.000	805.000	850.000	859.738	900.000	906.738	917.988	921.000	950.000	1000.000	1050.000	1100.000	1106.002	1117.252	1150.000
PROPOSED LEVEL	26.000	27.744	28.109	28.202	27.113	26.867	26.029	23.965	23.562	23.360	25.534		30.162	31.136	34.888	35.332	36.007		37.928	40.928	43.633	44.170	44.066	43.775	42.207
EXISTING LEVEL	26.000	27.793	28.199	28.310	27.405	27.171	26.373	24.295	23.888	23.671	25.824		30.442	31.416	34.902	35.332	36.007		37.928	40.928	43.633	44.170	44.066	43.775	42.207
HORIZ. ALIGNMENT	L=33.696		LS=11.250		R=-400.000		LS=11.250		LS=47.000		R=96.000		LS=47.000		LS=11.250		R=-400.000		LS=11.250		L=48.208				
CROSS FALL	VARIES		-2.5% +2.5%		VARIES		+9.2% -9.2%		SEE CONTOUR PLAN		+9.2% -9.2%		VARIES		-3.0% +3.0%										

PROFILE ALONG THE SETTING OUT LINE KNP

A1 SCALE HOR. 1:1000
 VER. 1:250

ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.

STATUS

SCALE

A1: 1000 DIMENSION UNIT METERS

KEY PLAN

PROJECT NO.

60534575 CONTRACT NO. CE 60/2016 (CE)

SHEET TITLE

ROAD PROFILE

SHEET NUMBER

60534575/SK2012

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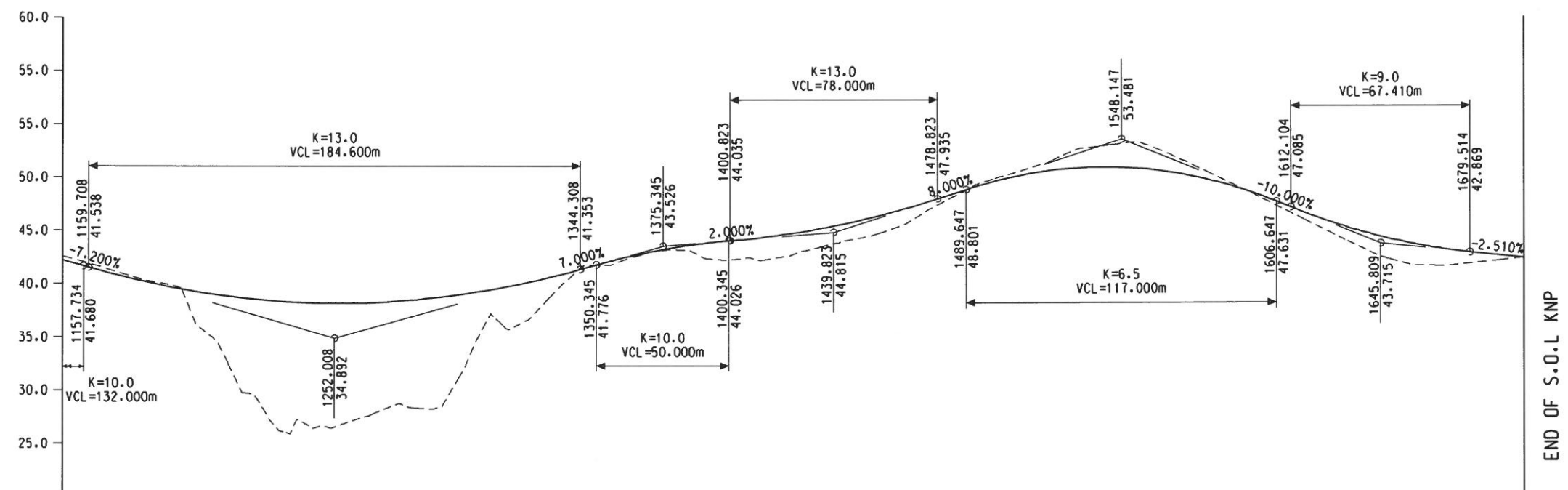
NOTE:
 1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60534575/SK2011.

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CONTINUED SEE DRAWING NO. 60534575/SK2012



END OF S.O.L KNP

CHAINAGE	PROPOSED LEVEL	EXISTING LEVEL	HORIZ. ALIGNMENT	CROSS FALL
1150.000	42.207	42.590	L=48.208	-3.0% +3.0%
1165.460	41.136	41.481	LS=45.000	VARIES
1200.000	39.261	36.122	R=100.000	-8.8% +8.8%
1210.460	38.874	33.250	LS=45.000	VARIES
1250.000	38.172	26.468	LS=25.000	-8.8% +8.8%
1300.000	39.007	31.644	R=180.000	VARIES
1316.964	39.726	35.739	LS=49.000	+4.9% -4.9%
1350.000	41.751	41.735	LS=25.000	VARIES
1361.964	42.521	42.326	LS=25.000	VARIES
1386.964	43.668	42.922	LS=25.000	VARIES
1400.000	44.019	42.233	R=180.000	+4.9% -4.9%
1450.000	45.949	44.281	LS=25.000	VARIES
1500.000	49.547	49.786	LS=49.000	VARIES
1536.202	50.858	52.696	LS=25.000	VARIES
1550.000	50.827	53.147	LS=49.000	VARIES
1561.202	50.587	52.604	LS=49.000	VARIES
1600.000	48.262	48.067	R=92.000	-9.6% +9.6%
1610.202	47.276	46.792	LS=49.000	VARIES
1640.000	44.094	42.164	LS=49.000	VARIES
1650.000	44.044	42.107	LS=49.000	VARIES
1650.870	44.044	42.107	LS=49.000	VARIES
1699.870	42.358	42.357	LS=49.000	VARIES

PROFILE ALONG THE SETTING OUT LINE KNP
 A1 SCALE HOR. 1:1000
 VER. 1:250

MATCH WITH EXISTING
 +3.0% -1.2%

ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.

STATUS

SCALE
 比例
 A1: 1000

DIMENSION UNIT
 尺寸單位
 METERS

KEY PLAN

PROJECT NO.
 項目編號
 60534575

CONTRACT NO.
 合約編號
 CE 60/2016 (CE)

SHEET TITLE
 圖名
 ROAD PROFILE

SHEET NUMBER
 圖號
 60534575/SK2013

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Appendix C

*Photo of Existing Kong Nga Po Road near Existing Police
Dog Unit and Force Search Unit Training School*



1



4



2



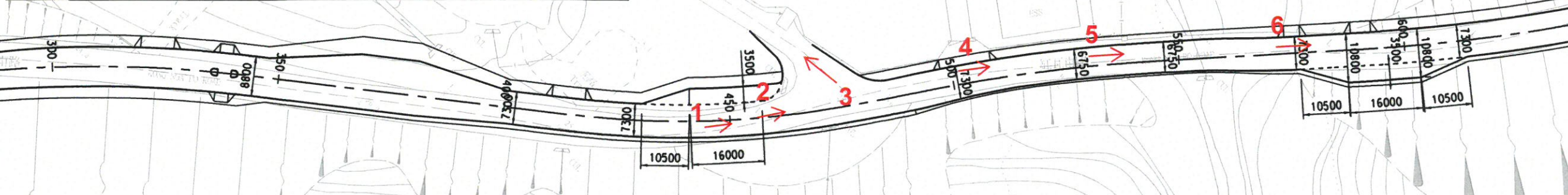
5



3



6



Appendix D

*Location Plan of Individuals of Keteleeria Fortunei and
Other Species of Conservation Interest*

Table D1. Location of Roadside Keteleeria Fortunei (DBH >= 95mm) as shown on Drawing No. 60534575/RLPKNPR 101
 [From the Tree Survey carried out under Agreement No. CE60/2016(CE)]

Item	Tree ID No.	Scientific Name	Northing	Easting
1	T1030	<i>Keteleeria Fortunei</i>	842808.166	831056.644
2	T1031	<i>Keteleeria Fortunei</i>	842809.990	831055.008
3	T1032	<i>Keteleeria Fortunei</i>	842810.500	831054.386
4	T1039	<i>Keteleeria Fortunei</i>	842816.594	831054.313
5	T1043	<i>Keteleeria Fortunei</i>	842812.229	831057.970
6	T1044	<i>Keteleeria Fortunei</i>	842810.855	831059.535
7	T1046	<i>Keteleeria Fortunei</i>	842813.594	831058.412
8	T1047	<i>Keteleeria Fortunei</i>	842813.955	831059.774
9	T1049	<i>Keteleeria Fortunei</i>	842815.727	831059.975
10	T1051	<i>Keteleeria Fortunei</i>	842818.769	831061.207
11	T1068	<i>Keteleeria Fortunei</i>	842819.733	831064.944
12	T1069	<i>Keteleeria Fortunei</i>	842820.167	831064.823
13	T1070	<i>Keteleeria Fortunei</i>	842820.791	831063.189
14	T1071	<i>Keteleeria Fortunei</i>	842818.138	831063.849
15	T1084	<i>Keteleeria Fortunei</i>	842777.809	831047.951
16	T1085	<i>Keteleeria Fortunei</i>	842780.649	831048.511
17	T1086	<i>Keteleeria Fortunei</i>	842781.129	831050.361
18	T1087	<i>Keteleeria Fortunei</i>	842782.915	831050.593
19	T1089	<i>Keteleeria Fortunei</i>	842784.598	831053.036
20	T1090	<i>Keteleeria Fortunei</i>	842786.710	831055.035
21	T1091	<i>Keteleeria Fortunei</i>	842787.276	831056.018
22	T1092	<i>Keteleeria Fortunei</i>	842788.603	831055.777
23	T1093	<i>Keteleeria Fortunei</i>	842789.691	831056.787
24	T1094	<i>Keteleeria Fortunei</i>	842793.079	831059.271
25	T1095	<i>Keteleeria Fortunei</i>	842795.111	831061.274
26	T1098	<i>Keteleeria Fortunei</i>	842806.154	831073.257
27	T1100	<i>Keteleeria Fortunei</i>	842808.487	831073.970
28	T1101	<i>Keteleeria Fortunei</i>	842808.093	831075.276
29	T1104	<i>Keteleeria Fortunei</i>	842809.980	831077.081
30	T1115	<i>Keteleeria Fortunei</i>	842798.633	831076.910
31	T1117	<i>Keteleeria Fortunei</i>	842798.615	831073.252
32	T1118	<i>Keteleeria Fortunei</i>	842799.025	831070.631
33	T1119	<i>Keteleeria Fortunei</i>	842799.772	831070.286
34	T1120	<i>Keteleeria Fortunei</i>	842801.258	831070.420
35	T1122	<i>Keteleeria Fortunei</i>	842794.541	831072.453
36	T1123	<i>Keteleeria Fortunei</i>	842794.621	831071.514
37	T1125	<i>Keteleeria Fortunei</i>	842794.864	831068.108
38	T1126	<i>Keteleeria Fortunei</i>	842794.230	831066.182
39	T1127	<i>Keteleeria Fortunei</i>	842792.320	831064.163
40	T1128	<i>Keteleeria Fortunei</i>	842789.607	831063.681
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43	T2129	<i>Keteleeria Fortunei</i>	842813.931	831082.970
44	T2130	<i>Keteleeria Fortunei</i>	842816.307	831083.506
45	T7504	<i>Keteleeria Fortunei</i>	842825.098	831072.222
46	T7505	<i>Keteleeria Fortunei</i>	842825.351	831071.010
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48	T7507	<i>Keteleeria Fortunei</i>	842828.008	831070.184
49	T7509	<i>Keteleeria Fortunei</i>	842829.224	831075.053
50	T7512	<i>Keteleeria Fortunei</i>	842830.932	831076.288
51	T7513	<i>Keteleeria Fortunei</i>	842825.965	831072.760
52	T7514	<i>Keteleeria Fortunei</i>	842829.872	831072.313

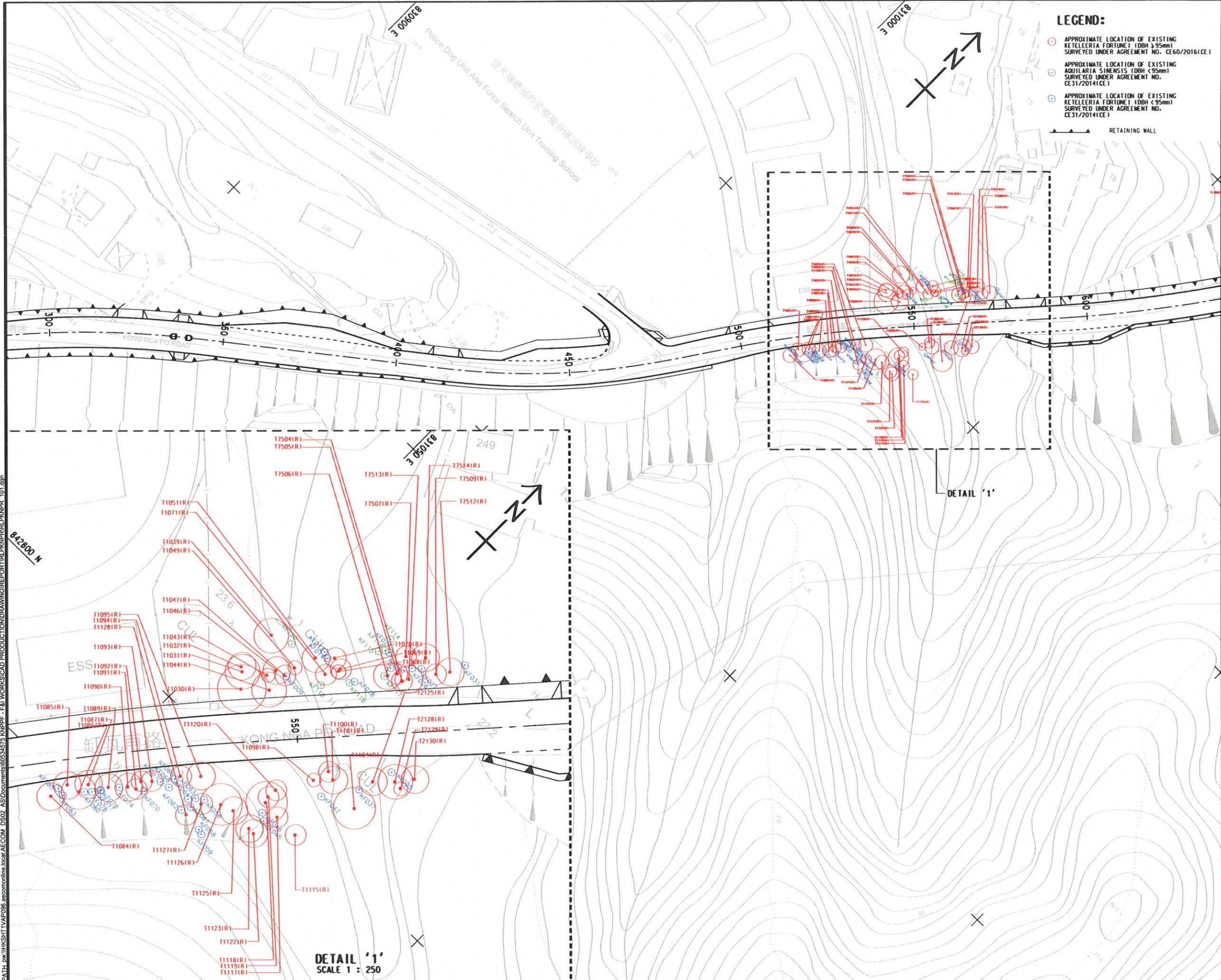
Table D2. Location of Roadside *Keteleeria Fortunei* (DBH < 95mm) as shown on Drawing No. 60534575/RLPKNPR 101
 [From the Tree Survey carried out under Agreement No. CE31/2014(CE)]

Item	Tree ID No.	Scientific Name	Northing	Easting
1	KF009	<i>Keteleeria Fortunei</i>	842814.629	831058.809
2	KF013	<i>Keteleeria Fortunei</i>	842820.335	831061.419
3	KF014	<i>Keteleeria Fortunei</i>	842819.950	831062.372
4	KF018	<i>Keteleeria Fortunei</i>	842820.261	831067.469
5	KF020	<i>Keteleeria Fortunei</i>	842825.283	831069.725
6	KF021	<i>Keteleeria Fortunei</i>	842826.734	831068.034
7	KF026	<i>Keteleeria Fortunei</i>	842827.422	831071.976
8	KF027	<i>Keteleeria Fortunei</i>	842828.318	831073.012
9	KF031	<i>Keteleeria Fortunei</i>	842833.091	831077.076
10	KF035	<i>Keteleeria Fortunei</i>	842814.687	831080.348
11	KF037	<i>Keteleeria Fortunei</i>	842809.662	831078.809
12	KF042	<i>Keteleeria Fortunei</i>	842805.179	831075.655
13	KF045	<i>Keteleeria Fortunei</i>	842796.802	831072.216
14	KF046	<i>Keteleeria Fortunei</i>	842797.531	831071.237
15	KF056	<i>Keteleeria Fortunei</i>	842792.998	831063.944
16	KF058	<i>Keteleeria Fortunei</i>	842789.391	831066.409
17	KF059	<i>Keteleeria Fortunei</i>	842789.151	831067.168
18	KF061	<i>Keteleeria Fortunei</i>	842790.875	831063.329
19	KF062	<i>Keteleeria Fortunei</i>	842789.646	831062.687
20	KF063	<i>Keteleeria Fortunei</i>	842792.245	831062.917
21	KF064	<i>Keteleeria Fortunei</i>	842791.443	831062.274
22	KF066	<i>Keteleeria Fortunei</i>	842792.182	831058.906
23	KF067	<i>Keteleeria Fortunei</i>	842790.455	831057.731
24	KF068	<i>Keteleeria Fortunei</i>	842790.704	831059.144
25	KF070	<i>Keteleeria Fortunei</i>	842787.870	831057.028
26	KF074	<i>Keteleeria Fortunei</i>	842785.747	831054.112
27	KF076	<i>Keteleeria Fortunei</i>	842783.601	831052.516
28	KF077	<i>Keteleeria Fortunei</i>	842783.489	831052.423
29	KF078	<i>Keteleeria Fortunei</i>	842782.465	831051.692
30	KF080	<i>Keteleeria Fortunei</i>	842781.698	831050.910
31	KF083	<i>Keteleeria Fortunei</i>	842779.170	831049.099
32	KF085	<i>Keteleeria Fortunei</i>	842779.436	831047.854

Table D3. Location of Roadside *Aquilaria Sinensis* (DBH < 95mm) as shown on Drawing No. 60534575/RLPKNPR 101
 [From the Tree Survey carried out under Agreement No. CE31/2014(CE)]

Item	Tree ID No.	Scientific Name	Northing	Easting
1	KF114	<i>Aquilaria sinensis</i>	842828.234	831066.821
2	KF115	<i>Aquilaria sinensis</i>	842825.803	831066.853
3	KF116	<i>Aquilaria sinensis</i>	842826.548	831067.443
4	KF117	<i>Aquilaria sinensis</i>	842823.819	831069.922
5	KF118	<i>Aquilaria sinensis</i>	842819.643	831067.048
6	KF119	<i>Aquilaria sinensis</i>	842816.534	831064.367
7	KF120	<i>Aquilaria sinensis</i>	842817.832	831057.256

ISO A1 594mm x 841mm
 Approved:
 Checked:
 Designer:
 Project Management Initials:
 200902017 04:19:32
 Path: px:\HKSH11\AP096_aecom\mainline\local\AECOM_DS02_AS\Documents\60534575_KNPPF - F&I WORKS\CAD PRODUCTION\DRAWING\REPORT\RLPKNPR\RLPKNPR_101.dgn



LEGEND:

- APPROXIMATE LOCATION OF EXISTING KETELEERIA FORTUNEI (DBH > 95mm) SURVEYED UNDER AGREEMENT NO. CE60/2016(CE)
- APPROXIMATE LOCATION OF EXISTING AQUILARIA SINENSIS (DBH < 95mm) SURVEYED UNDER AGREEMENT NO. CE31/2014(CE)
- APPROXIMATE LOCATION OF EXISTING KETELEERIA FORTUNEI (DBH < 95mm) SURVEYED UNDER AGREEMENT NO. CE31/2014(CE)

▲▲▲▲ RETAINING WALL

AECOM

PROJECT
 項目

SITE FORMATION AND INFRASTRUCTURE WORKS FOR POLICE FACILITIES IN KONG NGA PO - DESIGN AND CONSTRUCTION

CLIENT
 業主

CEDD 土木工程拓展署
 Civil Engineering and Development Department

CONSULTANT
 顧問公司

AECOM Asia Company Ltd.
 www.aecom.com

SUB-CONSULTANTS
 分包工程師公司

ISSUE/REVISION
 校對

IR	DATE	DESCRIPTION	CHK.
校對	日期	內容摘要	校對

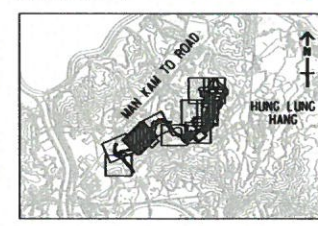
STATUS
 階段

SCALE
 比例

A1: 1:500

DIMENSION UNIT
 尺寸單位

KEY PLAN
 索引圖



PROJECT NO.
 項目編號

60534575

CONTRACT NO.
 合約編號

CE 60/2016 (CE)

SHEET TITLE
 圖紙名稱

LOCATION PLAN OF INDIVIDUALS OF KETELEERIA FORTUNEI AND OTHER SPECIES OF CONSERVATION INTEREST

SHEET NUMBER
 圖紙編號

60534575/RLPKNPR_101

DETAIL '1'
 SCALE 1 : 250

DETAIL '1'

Appendix E

Response to Comments

Agreement No. CE 60/2016 (CE)
Site Formation and Infrastructure Works for Police Facilities in Kong Nga Po
– Design and Construction

Submission of Revised Layout Plan of Kong Nga Po Road dated 24 July 2017

Responses to Comments

<u>Item</u>	<u>Comments</u>	<u>Responses</u>
1	Environmental Protection Department Environmental Assessment Division Strategic Assessment Group Sheung Shui, Fanling, Tai Po Section (6) Ms. Holy TO Date: 11 September 2017 (Ref. (5) in EP2/N7/B/82 Pt.2)	
	I refer to the letter dated 24.7.2017 from your consultant submitted to us the captioned Layout Plan. Please find our comments in <u>Attachment 1</u> for your follow up.	Noted.
1.1	<u>Attachment 1</u> General 1. According to EP condition 1.9, all submissions or any variation of the submissions required under the EP shall be certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC).	Noted. Please be advised the procurement of the ET and IEC services are currently under preparation and all submissions or any variation of the submissions required under the EP would be certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC).
1.2	Traffic and Transport 2. Drawing 60534575/SK0070 to 60534575/SK0072: i. The consultants should provide further assessment to demonstrate that the proposed steep gradient of 10% is technically feasible for safe operation by heavy vehicles including container trucks and Police's special vehicles.	The improved KNP Road, as compared to the existing KNP Road, is improved in terms of gradient, sightline, road width and curvatures. It meets the TPDM requirement for the category of "others" type of route as described in TPDM Vol.2 Table 3.3.6.1 with 10% is applicable for container trucks and the vehicles used by HKPF (Annex I attach the list of HKPF vehicles). 3 sections of 10% gradients are located on the improved KNP Road at CH138-193 (55m), CH826-894 (68m) and CH1606-1612 (6m) which are relatively short and well separated. They are necessary for matching of the existing levels of local accesses. Further to TD/TE's (Winnie) discussion with our Davina, we are enclosing a list of the dimensions of the HKPF vehicles at the police facilities and they are all within the maximum dimensions for vehicles as shown in TPDM Volume 2 Table 2.2.1.1. Therefore, the proposed gradient of 10% is technically feasible for

Item	Comments	Responses
		safe operation by heavy vehicles including container trucks and Police's special vehicles.
1.3	<p>ii. As shown on drawing Drawing 60534575/SK0072, the longitudinal profile for Kong Nga Po Road ended at Chainage 1699.870 but the previous Review Report shows more extent of the road up to Chainage 1733.077. We noted that the road gradient is 11.4% at this missing road section, which exceeds the requirements in TPDM and it is unacceptable from traffic viewpoint.</p>	The road section with gradient of 11.4% in the previous Review Report has been removed from the latest road layout. It is no longer part of KNP upgraded road. Therefore, it is not shown in the submitted drawings under the Explanatory Statement for Revised Layout Plan of Kong Nga Po Road.
1.4	<p>Ecology 3. Para. 2.3.2 (p. 5) : It was mentioned in the para. that 52 nos. of roadside Keteleeria sinensis trees (DBH >= 95 mm) and 32 nos. of K. sinensis seedlings (i.e. a total of 84 nos. of K. sinensis individuals) were recorded in the tree survey in May 2017. However, according to section 3.1 of the "Agreement No. CE 31/2014 (CE) - Engineering Study for Police Facilities in Kong Nga Po - Feasibility Study - Revised Layout Plan of Kong Nga Po Road", a total of 85 nos. of K. sinensis individuals were recorded in the tree survey in December 2016. The consultant should clarify the discrepancy.</p>	<p>Please be advised that in the "Revised Layout Plan of Kong Nga Po Road" under "Agreement No. No. CE 31/2014 (CE) - Engineering Study for Police Facilities in Kong Nga Po - Feasibility Study", there were 85 nos. of Keteleeria Fortunei, which comprised 49 nos. of trees (DBH >=95mm) and 36 nos. of seedlings from the detailed tree survey conducted in December 2016.</p> <p>From the tree survey completed in May 2017 conducted under our Assignment, it was found that one of the roadside Keteleeria sinensis trees (Tree ID. KF053) was felled and four of the Keteleeria sinensis seedlings have been developed into trees (i.e. Tree ID. KF017(T1068), KF024(T7513), KF043(T1115) and KF048(T1119)). Therefore, there are total 49-1+4=52 nos. of roadside Keteleeria sinensis trees (DBH >= 95 mm) and 36-4=32 nos. of Keteleeria sinensis seedlings (DBH < 95 mm), as discussed in Para. 2.3.2.</p> <p>Figure 2e and 2g is updated and attached in Annex II.</p>
1.5	<p>4. Fig. 2g (p. 7) : As required under the EP-510/2016 Specific Condition 2.16, the locations of individuals of K. sinensis and other species of conservation interest should be included in the explanatory statement of the revised layout plan. However, Fig. 2g (as well as other figures in the plan / explanatory statement) does not seem to serve the purpose as not all individuals of K. sinensis were clearly shown in the figure. The consultant should provide a clear figure showing the locations of individuals of K. sinensis and other species of</p>	<p>Noted. Appendix D is added with drawings and tables showing the locations of individuals of Keteleeria sinensis and other species of conservation interest (i.e. Aquilaria sinensis).</p> <p>"The locations of individuals of Keteleeria fortune (油杉) and other species of conservation interest are presented in Appendix D" is added at the back of Para. 2.4.4.</p>

<u>Item</u>	<u>Comments</u>	<u>Responses</u>
	conservation interest.	The revised Para. 2.4.4 is attached in Annex II and the newly added Appendix D is attached in Annex III .
1.6	<p>5. Sheet Number 60534575/SK0063 of Appendix B - Revised Layout Plan of Kong Nga Po Road (Sheet 2 of 3) :</p> <p>It was noted that the works boundaries and works area covered the locations of K. sinensis and Aquilaria sinensis and extend well beyond. Presuming that slope works (and/or other necessary works) may be involved within the works boundary, the consultant should ensure that any potential impact of relevant works in the proximity of the K. sinensis and A. sinensis should be minimised and no K. sinensis and A. sinensis will be felled / transplanted.</p>	<p>Noted. As mentioned in Para. 2.4.6 of the Explanatory Statement, in order to minimize the potential impact of the works to the existing Keteleeria fortunei (油杉) and Aquilaria sinensis, tree protection works in accordance with DEVB TC(W) 7/2015 on "Tree Preservation" and tree risk assessment in accordance with "Guidelines for Tree Risk Assessment and Management Arrangement" by DEVB shall be undertaken during the construction period. In addition, the construction works will comply with Section 26 of the General Specification for Civil Engineering Works (2006 Edition) for preservation and protection of trees as appropriate.</p>

ANNEX I

Type	M/N and model	Dimension (LxWxH) (mm)
Motor cycles		
MC-S	HONDA CB 250P	2090 X 850 X 1087
MC-L	HONDA NC750PA	2210 X 830 X 1470
MC-L	BMW R 900	2230 X 947 X 1430
Within "Private Car" dimensions (6300x2300x2000) as specified in TPDM vol.2 2.2.1.5		
SAL-M	HYUNDAI SONATA 2.0	4800 X 1832 X 1475
SAL-M	NISSAN TIDA-1.5	4395 X 1695 X 1535
SAL-M	TOYOTA PRIUS ZVW30R	4460 X 1745 X 1490
SAL-M	TOYOTA PRIUS NHW20R-AHEEBW	4450 X 1725 X 1490
SAL-M	LEXUS CT200h	4350 X 1765 X 1455
SAL-EV	RENAULT FLUENCE Z.E	4748 X 1809 X 1458
VAN-M	FORD ECOMOVAN/SJ	4965 X 1690 X 1955
VAN-M	TOYOTA HI-ACE	4695 X 1695 X 1980
VAN-M	NISSAN URVAN E25	4995 X 1690 X 1900
MPC	NISSAN SERENA	4770 X 1735 X 1865
CCV	MITSUBISHI PAJERO 3000 M/T	4700 X 1695 X 1890
CCV	TOYOTA PRADO	4930 X 1885 X 1845
Within "Special Purpose Vehicle" dimensions (12000x2500x4600) as specified in TPDM vol.2 2.2.1.5		
VAN-L	BENZ-314	5640 X 1933 X 2365
VAN-L	BENZ-518	5900 X 2000 X 2600
VAN-L	BENZ-519	5900 X 2000 X 2600
VAN-L	IVECO 50C 17V/P	6100 X 2010 X 2730
BUS	TOYOTA COASTER (18)	7725 X 2035 X 2800
BUS	TOYOTA COASTER (24)	6990 X 2025 X 2600
BUS	MAN 19.360	12000 X 2010 X 2730
UNIMOG	BENZ U.5000	6010 X 2370 X 2800
MCU	BENZ AXOR1826	9830 X 2500 X 4100
Within "Articulated Container Vehicle" dimensions (16000x2500x4600) and "Trailer" (13500x2500x4600) as specified in TPDM vol.2 2.2.1.5		
ATU	BENZ Antos 1835LS	5917 X 2500 X 3405
Trailer	SSANG YONG	12400 X 2450 X 1420

ANNEX II

(DBH ≥ 95 mm). About 12 numbers of the undersized seedlings of *Keteleeria fortunei* (油杉) will also be affected by the original KNP road layout.

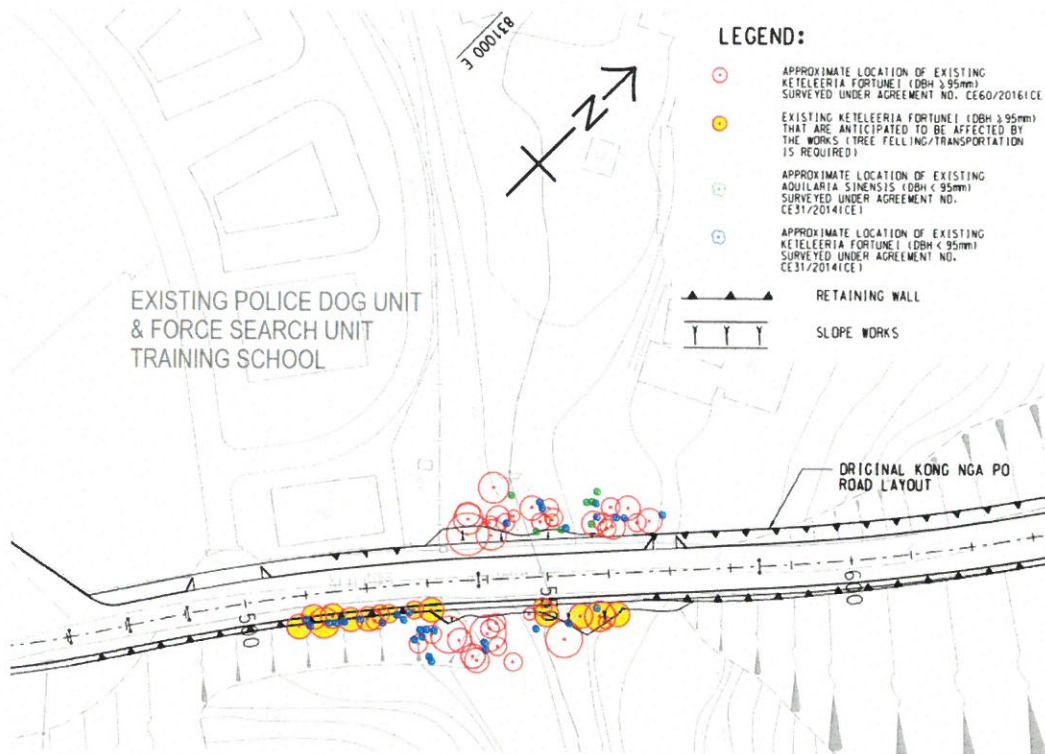


Fig.2e Roadside *Keteleeria fortunei* and *Aquilaria sinensis* affected by original KNP Road Layout

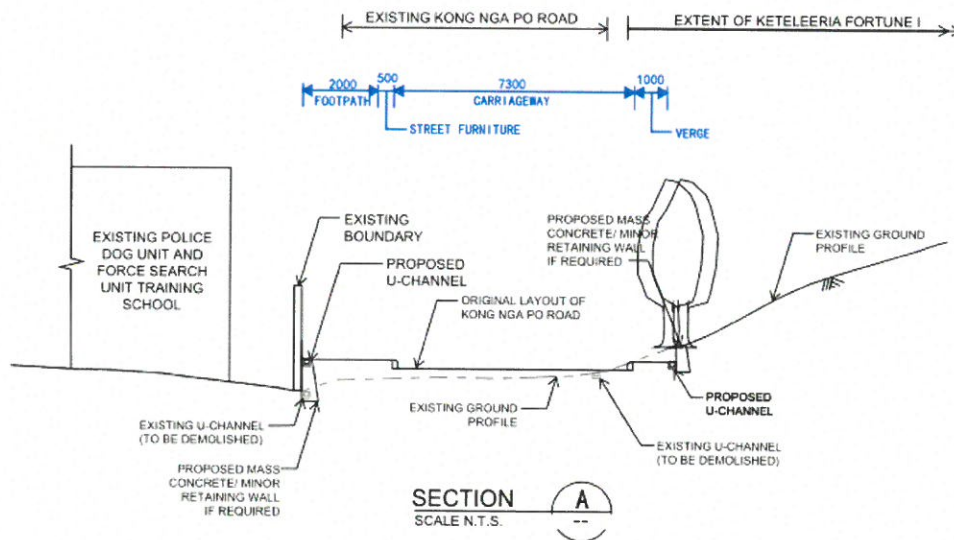


Fig.2f Section of Original Kong Nga Po Road Layout

2.4 Revised Kong Nga Po Road layout

Vertical and Horizontal Alignments

2.4.1 With a view to preserving all individuals of *Keteleeria fortunei* and *Aquilaria sinensis* and minimizing ecological disturbance, a revised KNP road layout has been considered.

2.4.2 The width of upgraded road will be locally reduced from about 10.8m to about 9.25m (6.75m wide carriageway + 2m wide footpath + 0.5m clearance for u-channels) between approximately CH501 – CH577. In view of local road narrowing, two 16.0m long passing bays with nominal tapers of 1:3 have been proposed before reaching the narrowed road section on both eastbound and westbound KNP Road to further enhance road safety. Traffic signs will be placed to warn the motorist of the road narrowing ahead. The revised KNP road layout is shown in Figure 2g.

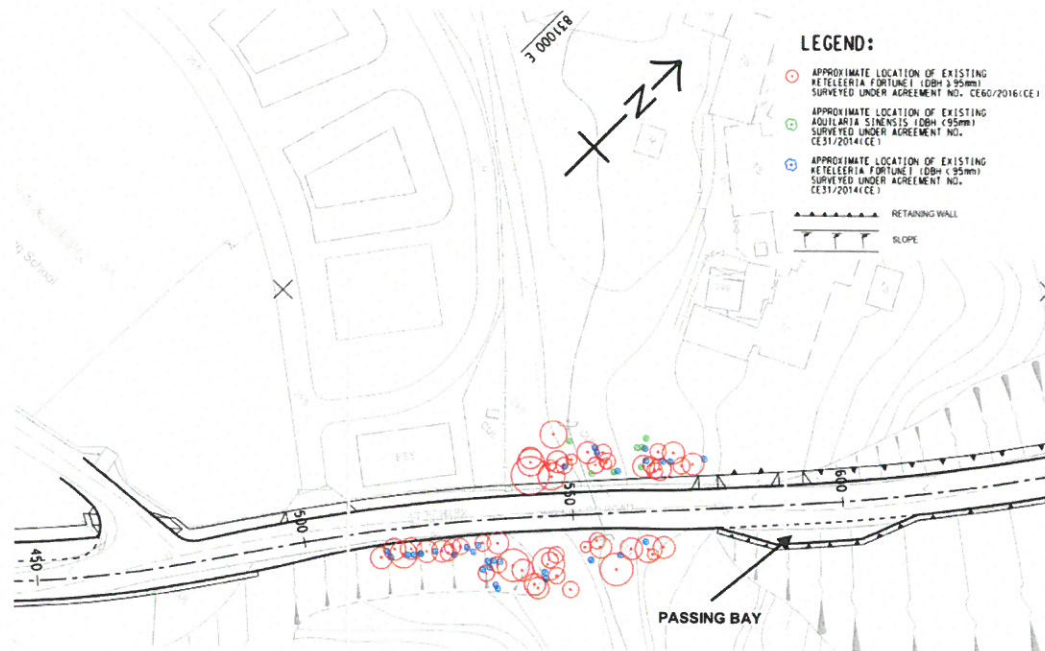


Fig.2g Revised Kong Nga Po Road Layout

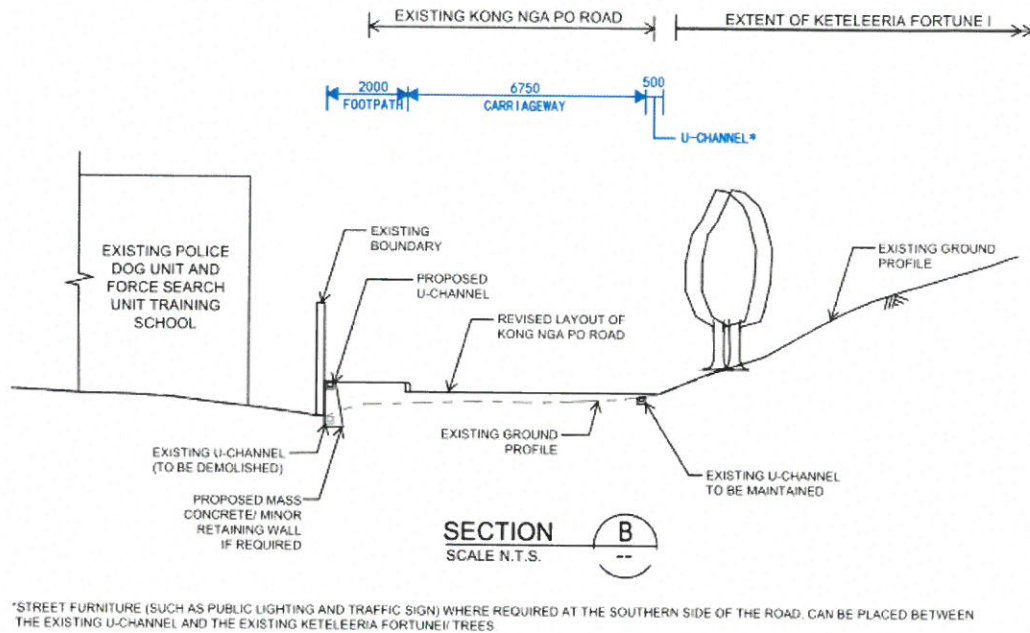


Fig.2h Section of Revised Kong Nga Po Road Layout

- 2.4.3 As shown in Figure 2h, the extent of the revised KNP road layout will take approximately full width of the existing road and roadside area, thereby avoiding conflicts with the locations of the existing *Keteleeria fortunei* (油杉) and *Aquilaria sinensis*.
- 2.4.4 On the other hand, vertical alignment of the narrowed road section will follow that of the existing Kong Nga Po Road as far as possible. The scale of engineering works near the *Keteleeria fortunei* (油杉) and *Aquilaria sinensis* is thus minimized. The revised layout plan and vertical alignment of KNP Road are shown in Appendix B for reference. The locations of individuals of *Keteleeria fortunei* (油杉) and other species of conservation interest are presented in Appendix D.

Works Boundaries, Works Areas and other nearby Major Buildings/Structures/Facilities

- 2.4.5 Works boundaries, which enclose works areas of the KNP Road upgrading works, are also shown in Appendix B. Apart from the existing Police Dog Unit and Force Search Unit Training School, other nearby major buildings, structures and facilities include the existing Hong Kong Police Border District Headquarter, the future Organic Resources Recovery Centre Phase 2 (previously known as Organic Waste Treatment Facilities Phase 2), open storage areas, local villages and an existing pig farm located to the south of the proposed police facilities. As shown in Appendix B, these buildings/structures/facilities are located outside the works boundaries, hence works areas of the KNP Road upgrading works.

ANNEX III

Table D1. Location of Roadside *Keteleeria Fortunei* (DBH >= 95mm) as shown on Drawing No. 60534575/RLPKNPR 101
 [From the Tree Survey carried out under Agreement No. CE60/2016(CE)]

Item	Tree ID No.	Scientific Name	Northing	Easting
1	T1030	<i>Keteleeria Fortunei</i>	842808.166	831056.644
2	T1031	<i>Keteleeria Fortunei</i>	842809.990	831055.008
3	T1032	<i>Keteleeria Fortunei</i>	842810.500	831054.386
4	T1039	<i>Keteleeria Fortunei</i>	842816.594	831054.313
5	T1043	<i>Keteleeria Fortunei</i>	842812.229	831057.970
6	T1044	<i>Keteleeria Fortunei</i>	842810.855	831059.535
7	T1046	<i>Keteleeria Fortunei</i>	842813.594	831058.412
8	T1047	<i>Keteleeria Fortunei</i>	842813.955	831059.774
9	T1049	<i>Keteleeria Fortunei</i>	842815.727	831059.975
10	T1051	<i>Keteleeria Fortunei</i>	842818.769	831061.207
11	T1068	<i>Keteleeria Fortunei</i>	842819.733	831064.944
12	T1069	<i>Keteleeria Fortunei</i>	842820.167	831064.823
13	T1070	<i>Keteleeria Fortunei</i>	842820.791	831063.189
14	T1071	<i>Keteleeria Fortunei</i>	842818.138	831063.849
15	T1084	<i>Keteleeria Fortunei</i>	842777.809	831047.951
16	T1085	<i>Keteleeria Fortunei</i>	842780.649	831048.511
17	T1086	<i>Keteleeria Fortunei</i>	842781.129	831050.361
18	T1087	<i>Keteleeria Fortunei</i>	842782.915	831050.593
19	T1089	<i>Keteleeria Fortunei</i>	842784.598	831053.036
20	T1090	<i>Keteleeria Fortunei</i>	842786.710	831055.035
21	T1091	<i>Keteleeria Fortunei</i>	842787.276	831056.018
22	T1092	<i>Keteleeria Fortunei</i>	842788.603	831055.777
23	T1093	<i>Keteleeria Fortunei</i>	842789.691	831056.787
24	T1094	<i>Keteleeria Fortunei</i>	842793.079	831059.271
25	T1095	<i>Keteleeria Fortunei</i>	842795.111	831061.274
26	T1098	<i>Keteleeria Fortunei</i>	842806.154	831073.257
27	T1100	<i>Keteleeria Fortunei</i>	842808.487	831073.970
28	T1101	<i>Keteleeria Fortunei</i>	842808.093	831075.276
29	T1104	<i>Keteleeria Fortunei</i>	842809.980	831077.081
30	T1115	<i>Keteleeria Fortunei</i>	842798.633	831076.910
31	T1117	<i>Keteleeria Fortunei</i>	842798.615	831073.252
32	T1118	<i>Keteleeria Fortunei</i>	842799.025	831070.631
33	T1119	<i>Keteleeria Fortunei</i>	842799.772	831070.286
34	T1120	<i>Keteleeria Fortunei</i>	842801.258	831070.420
35	T1122	<i>Keteleeria Fortunei</i>	842794.541	831072.453
36	T1123	<i>Keteleeria Fortunei</i>	842794.621	831071.514
37	T1125	<i>Keteleeria Fortunei</i>	842794.864	831068.108
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52	T7514	<i>Keteleeria Fortunei</i>	842829.872	831072.313

Table D2. Location of Roadside *Keteleeria Fortunei* (DBH < 95mm) as shown on Drawing No. 60534575/RLPKNPR 101
 [From the Tree Survey carried out under Agreement No. CE31/2014(CE)]

Item	Tree ID No.	Scientific Name	Northing	Easting
1	KF009	<i>Keteleeria Fortunei</i>	842814.629	831058.809
2	KF013	<i>Keteleeria Fortunei</i>	842820.335	831061.419
3	KF014	<i>Keteleeria Fortunei</i>	842819.950	831062.372
4	KF018	<i>Keteleeria Fortunei</i>	842820.261	831067.469
5	KF020	<i>Keteleeria Fortunei</i>	842825.283	831069.725
6	KF021	<i>Keteleeria Fortunei</i>	842826.734	831068.034
7	KF026	<i>Keteleeria Fortunei</i>	842827.422	831071.976
8	KF027	<i>Keteleeria Fortunei</i>	842828.318	831073.012
9	KF031	<i>Keteleeria Fortunei</i>	842833.091	831077.076
10	KF035	<i>Keteleeria Fortunei</i>	842814.687	831080.348
11	KF037	<i>Keteleeria Fortunei</i>	842809.662	831078.809
12	KF042	<i>Keteleeria Fortunei</i>	842805.179	831075.655
13	KF045	<i>Keteleeria Fortunei</i>	842796.802	831072.216
14	KF046	<i>Keteleeria Fortunei</i>	842797.531	831071.237
15	KF056	<i>Keteleeria Fortunei</i>	842792.998	831063.944
16	KF058	<i>Keteleeria Fortunei</i>	842789.391	831066.409
17	KF059	<i>Keteleeria Fortunei</i>	842789.151	831067.168
18	KF061	<i>Keteleeria Fortunei</i>	842790.875	831063.329
19	KF062	<i>Keteleeria Fortunei</i>	842789.646	831062.687
20	KF063	<i>Keteleeria Fortunei</i>	842792.245	831062.917
21	KF064	<i>Keteleeria Fortunei</i>	842791.443	831062.274
22	KF066	<i>Keteleeria Fortunei</i>	842792.182	831058.906
23	KF067	<i>Keteleeria Fortunei</i>	842790.455	831057.731
24	KF068	<i>Keteleeria Fortunei</i>	842790.704	831059.144
25	KF070	<i>Keteleeria Fortunei</i>	842787.870	831057.028
26	KF074	<i>Keteleeria Fortunei</i>	842785.747	831054.112
27	KF076	<i>Keteleeria Fortunei</i>	842783.601	831052.516
28	KF077	<i>Keteleeria Fortunei</i>	842783.489	831052.423
29	KF078	<i>Keteleeria Fortunei</i>	842782.465	831051.692
30	KF080	<i>Keteleeria Fortunei</i>	842781.698	831050.910
31	KF083	<i>Keteleeria Fortunei</i>	842779.170	831049.099
32	KF085	<i>Keteleeria Fortunei</i>	842779.436	831047.854

Table D3. Location of Roadside *Aquilaria Sinensis* (DBH < 95mm) as shown on Drawing No. 60534575/RLPKNPR 101
 [From the Tree Survey carried out under Agreement No. CE31/2014(CE)]

Item	Tree ID No.	Scientific Name	Northing	Easting
1	KF114	<i>Aquilaria sinensis</i>	842828.234	831066.821
2	KF115	<i>Aquilaria sinensis</i>	842825.803	831066.853
3	KF116	<i>Aquilaria sinensis</i>	842826.548	831067.443
4	KF117	<i>Aquilaria sinensis</i>	842823.819	831069.922
5	KF118	<i>Aquilaria sinensis</i>	842819.643	831067.048
6	KF119	<i>Aquilaria sinensis</i>	842816.534	831064.367
7	KF120	<i>Aquilaria sinensis</i>	842817.832	831057.256

NO.	DATE	DESCRIPTION	CHK.

