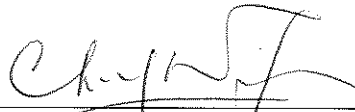


Civil Engineering and Development Department

Contract No. ST/2013/01
Sha Tin New Town Stage II
Road T3 and Associated Roadworks – Remaining
Works, Phase III
Landscape Audit Report
(Version 1.0)
June 2016

Approved By



(Environmental Team Leader)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties

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TABLE OF CONTENTS

1	INTRODUCTION.....	1
2	FINDINGS	2
3	CONCLUSION	4
4	APPENDICES	5

1 INTRODUCTION

- The Civil Engineering and Development Department (CEDD) has completed Contract No. ST/2013/01 – ‘Road T3 and Associated Roadworks – Remaining Works, Phase III’ Project (hereinafter referred to as “the Project”) which is the remaining works of the Project ‘Sha Tin New Town – Stage II, Trunk Road T3 (Tai Wai)’. The Project includes the construction of an outstanding 1-lane slip road in the original Road T3 Scheme.
- The Director of Environmental Protection (the Director) granted the Environmental Permit to NT East Development Office, Civil Engineering and Development Department (the Permit Holder) for the Sha Tin New Town – Stage II Trunk Road T3 and Associated Roadworks. A copy of the Environmental Permit No. EP-135/2002/J is enclosed in **Appendix A**.
- According to Condition 5.2 of the Environmental Permit, the Permit Holder shall deposit with the Director 3 copies of an Audit Report, certified by the ET Leader and verified by the IEC, demonstrating the satisfactory completion of measures recommended in the Landscape Proposal submission approved under Condition 2.6 and 3.4 of the Environmental Permit.
- This audit report serves to demonstrate the satisfactory completion of the proposed landscape works according to the landscape and visual mitigation measures as recommended in the EIA Report and the Environmental Review Report (ERR).

2 FINDINGS

- According to the original landscape plan Drawing no. 63494/2005C in Appendix M in the agreed Landscape Visual Impact Assessment (LVIA) Report (July 2007) as attached in **Appendix B**, soft landscape treatment was proposed at the sloping and permanently close slip road area adjacent to the T3 Mainline near Scenery Court. Based on the maintenance consideration, public request and actual site condition, the agree landscape plan in the LVIA Report in July 2007 was revised. Two amendments were made and the amendments on the landscape proposal were sent to Environmental Protection Department (EPD) by Permit Holder on 19 January 2016 (ref: HKCEDD05/50/103366).
- In the original agreed LVIA Report (July 2007), planting area recommended in the Landscape Proposal were found densely vegetated on site and no cycle stands relocation was required.
- In the latest Landscape Plan, two changes were made including revising soft landscape design at the amenity area adjacent to the T3 Mainline near Scenery Court and relocation of cycle stands.

Revising soft landscape design at the amenity area adjacent to the T3 Mainline near Scenery Court

- The existing shrubs and conifers found at the proposed amenity area are under the maintenance of Leisure and Cultural Services Department (LCSD). The species shrubs and conifers was revised and found to be consistent which provided a coherent soft landscape design.
- Additional sub-soil drain system was found in the amenity area, these subsoil drains were well-maintained to enhance the drainage performance.
- Another soft landscape design concerning the reduced number of trees planting, LCSD and Highways Department (HyD) commented that constructing additional sub-soil drain system would limited the trees growth. Thus, the number of planting species was reduced from 4351 to 3486.
- Reviewing the present status with the support of the photographs shown in the **Appendix D**, 26 numbers of conifers were planted adjacent to the noise barrier structure. Trees and shrubs planting at the amenity area provided a screening effect to screen all retaining wall which fulfilled the requirements stated in the Updated Environmental Monitoring and Audit (EM&A) Manual and ERR.
- Disturbance to existing stream courses was minimized during the construction work.

- The various types of plant species used were indicated in the planting schedule.
- Hydroseeding was observed at the newly formed slope formation and along cycle track.
- CEDD is tentatively responsible for the management and maintenance of the landscape and will handover to LCSD and HyD after the establishment period of 1 year for trees and conifers and 3 months for shrubs and hydroseeding.

Relocation of Cycle Stands

- 21 numbers of cycle stands were relocated to the new parking area. A total of 30 numbers of cycle stands were located along the existing cycle track.
- No tree was identified at the original bicycle parking area. No transplant/ tree falling was required as stated in the latest Landscape Plan.

3 CONCLUSION

- According to the Updated EM&A Manual and ERR, the permit holder was required to provide dense trees and shrubs planting to screen all retaining wall and noise barriers where possible. Noise barrier was constructed adjacent to the T3 Mainline near Scenery Court and the soft landscape design provided a screening effect that can visually screen off the noise barrier.
- According to the ERR, medium level of visual impact is expected after implementing mitigation measures near Visual Sensitive Receivers (VSRs), Hilton Plaza/ Scenery Court (VSR U). After reviewing the visual impact of the changes, it is considered that the changes with only minor variation and low visual impact is suggested.
- No major landscape and visual impact was identified in the area.
- The record photographs together with the plans demonstrating the satisfactory completion of the landscape works are enclosed in **Appendix D**.

4 APPENDICES

- Appendix A Environmental Permit No. EP-135/2002/J
- Appendix B Part Print Drawing of Soft Landscape Works
63494/2005C
- Appendix C As-built Drawing Soft Landscape Works
63494/C3
- Appendix D Photos of Landscape Works

**APPENDIX A
ENVIRONMENTAL PERMITT
NO. EP-135/2002/J**



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

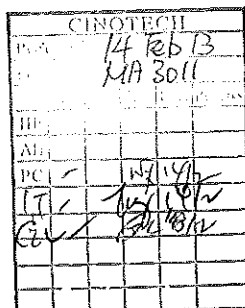
新界東拓展處

New Territories East
Development Office

Web site 網址 : <http://www.cedd.gov.hk>
 E-mail 電子郵件 : wcyuen@cedd.gov.hk
 Telephone 電話 : (852) 2301 1398
 Facsimile 傳真 : (852) 2721 8630 / 2739 0076
 Our ref 本署檔號 : () in NTE-ST2/458CL/116 Pt.17
 Your ref 來函檔號 :

九龍尖沙咀麼地道77號
華懋廣場1213室

Suite 1213, Chinachem Golden Plaza,
77 Mody Road,
Tsim Sha Tsui,
Kowloon, Hong Kong



BY POST

13 February 2014

Cinotech Consultants Limited,
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T.,
Hong Kong
(Attn: Dr. Priscilla Choy)

Dear Sirs,

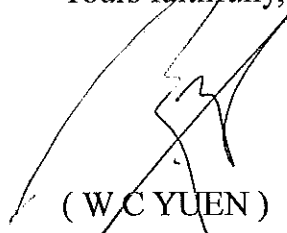
Contract No. ST93/03
Sha Tin New Town Stage II

Environmental Team for Road T3 and Associated Roadworks

Environmental Permit

Attached please find the amended Environmental Permit (No. EP-135/2002/J) for your use.

Yours faithfully,


 (W.C YUEN)
 for Project Manager (NTE)

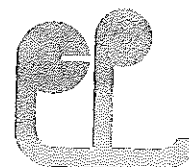
Encl.

本署編號
OUR REF: (46) in Ax(1) to EP2/N1/A/27 Pt.8
來函編號
YOUR REF: NTE-ST 2/458CL/116 Pt.17
電話
TEL. NO.: 2835 1581
圖文傳真
FAX NO.: 2802 4511
電子郵件
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.

File No	2/458CL/116
EDMS No	1273X

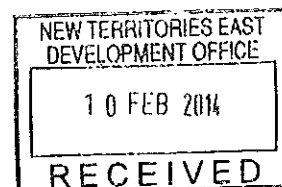
chop only



環境保護署分處
Answer to
Received by
修頓中心廿八樓

6 February 2014

By Registered Post & By Fax (2721 8630)
New Territories East Development Office
Civil Engineering and Development Department
Suite 1213, Chinachem Golden Plaza
77 Mody Road
Tsim Sha Tsui, Kowloon, Hong Kong
(Attn: Mr. CHIANG Nin-tat, Eric)



Dear Mr. Chiang,

Environmental Impact Assessment (EIA) Ordinance, Cap 499
Application for Variation of an Environmental Permit

Project Title : Sha Tin New Town – Stage II Trunk Road T3 and Associated Roadworks
(Application No. VEP-428/2014)

I refer to your above application received on 27 January 2014 for variation of an environmental permit under Section 13(1) of the EIA Ordinance.

Pursuant to Section 13(5) of the EIA Ordinance, we have amended the Environmental Permit (No. EP-135/2002/I). We attach herewith the amended Environmental Permit (No. EP-135/2002/J) for your use.

Under Section 15 of the Ordinance, the amended Environmental Permit will be placed on the EIA Ordinance Register. It will also be placed on the EIA Ordinance website (<http://www.epd.gov.hk/eia/>).

Should you have any queries on the above application, please contact Mr. Edward LAM of this department at 2835 1113.

Yours sincerely,

(Maurice K. L. YEUNG)
Principal Environmental Protection Officer
for Director of Environmental Protection

c.c. : w/encl.
S(AN)2, S(RN)4

ENVIRONMENTAL IMPACT ASSESSMENT ORDINANCE

(CHAPTER 499)

SECTION 10 & 13

環境影響評估條例

(第 499 章)

第 10 及 13 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) granted the Environmental Permit (No. EP-135/2002) to THE NEW TERRITORIES EAST DEVELOPMENT OFFICE, TERRITORY DEVELOPMENT DEPARTMENT (now known as CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT) (hereinafter referred to as the "Permit Holder") on 13 May 2002. Pursuant to Section 13 of the EIAO, the Director amends the Environmental Permit (No. EP-135/2002/I) based on the Application No. VEP-428/2014. The amendments described below, are incorporated into this Environmental Permit (No. EP-135/2002/J). This Environmental Permit as amended is for the construction and operation of the designated project(s) described in Part B of this Permit subject to the conditions described in or attached to Part C of this Permit.

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)於 2002 年 5 月 13 日將環境許可證(編號: EP-135/2002)批予拓展署(現稱土木工程拓展署)新界東拓展署(下稱“許可證持有人”)。根據環評條例第 13 條的規定，署長因應更改環境許可證的申請編號 VEP-428/2014 修訂環境許可證編號 EP-135/2002/I。以下修訂已包含在本環境許可證內(編號: EP-135/2002/J)。本經修訂的環境許可證作為建造及營辦本許可證 B 部所說明的指定工程項目，但須遵守本許可證 C 部所說明或附載的條件。

The issue of this amended environmental permit is based on the documents, approvals or permissions described below:

本經修訂的環境許可證乃依據下列文件、批准或許可條件而簽發 -

Application No. 申請書編號	VEP-428/2014
Document in the Register: 登記冊上的文件:	(1) Sha Tin New Town - Stage II, Trunk Road T3 (Tai Wai) Environmental Impact Assessment (EIA) Study (Register No. EIA-143/BC) Updated Final Report (March 1998) [Hereinafter referred to as the "EIA Report"] Environmental Monitoring & Audit Manual (March 1998) [Hereinafter referred to as the "EM&A Manual"] 沙田新市鎮第二階段 - T3 號主幹道路 (大圍) 環境影響評估 (登記冊編號: EIA-143/BC)



《最新修訂報告》(1998年3月)[下稱「環評報告」]
《環境監察及審核手冊》(1998年3月)[下稱「環監手冊」]

- (2) Documents attached to the Application for Environmental Permit submitted by the Permit Holder on 18 April 2002 (Application No.: AEP-135/2002) [Hereinafter referred to as the "Application"]

"Sha Tin New Town, Stage II, Trunk Road T3 - Tai Wai, Environmental Review Report (March 2002 (Revised))" [Hereinafter referred to as the "Environmental Review"]

許可證持有人於2002年4月18日提交的環境許可證申請書夾附的文件(申請書編號: AEP-135/2002)[下稱「申請書」]

《沙田新市鎮第二階段 - T3號主幹道路(大圍)環境檢討報告(2002年3月修訂)》[下稱「環境檢討」]

- (3) Environmental Permit issued – Permit No.: EP-135/2002 issued on 13 May 2002

已簽發的環境許可證 — 許可證編號: EP-135/2002 於2002年5月13日簽發

- (4) Application for Variation of an Environmental Permit No. VEP-091/2003 [Hereafter referred to as "the Application VEP-091/2003"]

申請更改環境許可證編號 VEP-091/2003 [下稱「申請書編號 VEP-091/2003」]

- (5) Environmental Permit issued – Permit No.: EP-135/2002/A issued on 30 April 2003

已簽發的環境許可證 — 許可證編號: EP-135/2002/A 於2003年4月30日簽發

- (6) Application for Variation of an Environmental Permit No. VEP-169/2005 [Hereafter referred to as "the Application VEP-169/2005"]

申請更改環境許可證編號 VEP-169/2005[下稱「申請書編號 VEP-169/2005」]

- (7) Environmental Permit issued – Permit No: EP-135/2002/B issued on 7 April 2005

已簽發的環境許可證 — 許可證編號: EP-135/2002/B 於2005年4月7日簽發



(8) Application for Variation of an Environmental Permit No. VEP-177/2005 [Hereafter referred to as "the Application VEP-177/2005"]

申請更改環境許可證編號 VEP-177/2005。[下稱 "申請書編號 VEP-177/2005"]

(9) Environmental Permit issued – Permit No: EP-135/2002/C issued on 9 June 2005

已簽發的環境許可證 — 許可證編號：EP-135/2002/C 於 2005 年 6 月 9 日簽發

(10) Application for Variation of an Environmental Permit No. VEP-190/2005 [Hereafter referred to as "the Application VEP-190/2005"]

申請更改環境許可證編號 VEP-190/2005。[下稱 "申請書編號 VEP-190/2005"]

(11) Environmental Permit issued – Permit No: EP-135/2002/D issued on 2 September 2005

已簽發的環境許可證 — 許可證編號：EP-135/2002/D 於 2005 年 9 月 2 日簽發

(12) Application for Variation of an Environmental Permit No. VEP-235/2007 [Hereafter referred to as "the Application VEP-235/2007"]

申請更改環境許可證編號 VEP-235/2007。[下稱 "申請書編號 VEP-235/2007"]

(13) Environmental Permit issued – Permit No: EP-135/2002/E issued on 30 May 2007

已簽發的環境許可證 — 許可證編號：EP-135/2002/E 於 2007 年 5 月 30 日簽發

(14) Application for Variation of an Environmental Permit No. VEP-242/2007 [Hereafter referred to as "the Application VEP-242/2007"]

申請更改環境許可證編號 VEP-242/2007。[下稱 "申請書編號 VEP-242/2007"]

(15) Environmental Permit issued – Permit No: EP-135/2002/F issued on 30 Nov 2007

已簽發的環境許可證 — 許可證編號：EP-135/2002/F 於 2007



年 11 月 30 日簽發

(16) Application for Variation of an Environmental Permit No. VEP-250/2008 [Hereafter referred to as "the Application VEP-250/2008"]

申請更改環境許可證編號 VEP-250/2008 [下稱 "申請書編號 VEP-250/2008"]

(17) Environmental Permit issued – Permit No: EP-135/2002/G issued on 13 Feb 2008

已簽發的環境許可證 — 許可證編號：EP-135/2002/G 於 2008 年 2 月 13 日簽發

(18) Application for Variation of an Environmental Permit No. VEP-258/2008 [Hereafter referred to as "the Application VEP-258/2008"]

申請更改環境許可證編號 VEP-258/2008 [下稱 "申請書編號 VEP-258/2008"]

(19) Environmental Permit issued – Permit No: EP-135/2002/H issued on 13 May 2008

已簽發的環境許可證 — 許可證編號：EP-135/2002/H 於 2008 年 5 月 13 日簽發

(20) Application for Variation of an Environmental Permit No. VEP-325/2010 [Hereafter referred to as "the Application VEP-325/2010"]

申請更改環境許可證編號 VEP-325/2010 [下稱 "申請書編號 VEP-325/2010"]

(21) Environmental Permit issued – Permit No: EP-135/2002/I issued on 25 October 2010

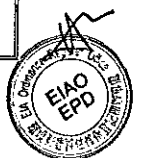
已簽發的環境許可證 — 許可證編號：EP-135/2002/I 於 2010 年 10 月 25 日簽發

(22) Application for Variation of an Environmental Permit No. VEP-428/2014 [Hereafter referred to as "the Application VEP-428/2014"]

申請更改環境許可證編號 VEP-428/2014 [下稱 "申請書編號 VEP-428/2014"]



Application No. 申請書編號	Date of Application 申請日期	List of Amendments Incorporated into this Environmental Permit 已包含在本環境許可證內的修訂項目	Date of Amendment 修訂日期
VEP – 091/2003	4 April 2003 2003 年 4 月 4 日	<ul style="list-style-type: none"> - Vary Condition 3.1 and Table 1 in <u>Part C</u> of the Environmental Permit EP-135/2002 - Add Tables 2 and 3 in <u>Part C</u> of the Environmental Permit EP-135/2002 - Vary <u>Figures 4 and 5</u> of the Environmental Permit EP-135/2002 and add <u>Figures 6 and 7</u> to the Environmental Permit EP-135/2002. - 更改環境許可證編號 EP-135/2002 的 <u>C</u> 部條件第 3.1 項條件及表 1 - 在環境許可證編號 EP-135/2002 的 <u>C</u> 部加入表 2 及表 3 - 更改環境許可證編號 EP-135/2002 的圖 4 及圖 5 及在環境許可證編號 EP-135/2002 加入圖 6 及圖 7 	30 April 2003 2003 年 4 月 30 日
VEP – 169/2005	18 March 2005 2005 年 3 月 18 日	<ul style="list-style-type: none"> - Add Condition 3.5 and Table 4 in <u>Part C</u> of the Environmental Permit EP-135/2002/A - Add <u>Figures 8 to 13</u> to the Environmental Permit EP-135/2002/A - 在環境許可證編號 EP-135/2002/A 的 <u>C</u> 部加入第 3.5 項條件及表 4 - 在環境許可證編號 EP-135/2002/A 加入圖 8 至圖 13 	7 April 2005 2005 年 4 月 7 日
VEP – 177/2005	13 May 2005 2005 年 5 月 13 日	<ul style="list-style-type: none"> - Vary condition 3.1 and Table 1 in <u>Part C</u> of the Environmental Permit EP-135/2002/B - Delete Table 3 in Part C of the Environmental Permit EP-135/2002/B and renumber Table 4 to Table 3 - Vary <u>Figure 7</u> of the Environmental Permit EP-135/2002/B - 更改在環境許可證編號 EP-135/2002/B 的 <u>C</u> 部條件第 3.1 項條件及表 1 - 在環境許可證編號 EP-135/2002/B 的 <u>C</u> 部刪除表 3 及並把表 4 重新編號為表 3 - 更改環境許可證編號 EP-135/2002/B 的圖 7 	9 June 2005 2005 年 6 月 9 日



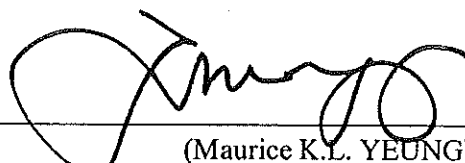
VEP – 190/2005	3 August 2005 2005 年 8 月 3 日	<ul style="list-style-type: none"> - Vary condition 3.1 and Table 1 in <u>Part C</u> of the Environmental Permit EP-135/2002/C - Vary <u>Figure 5</u> of the Environmental Permit EP-135/2002/C - 更改在環境許可證編號 EP-135/2002/C 的 <u>C 部</u>條件第 3.1 項條件及表 1 - 更改環境許可證編號 EP-135/2002/C 的 <u>圖 5</u> 	2 September 2005 2005 年 9 月 2 日
VEP – 235/2007	2 May 2007 2007 年 5 月 2 日	<ul style="list-style-type: none"> - Vary condition 3.1 and Table 1 in <u>Part C</u> of the Environmental Permit EP-135/2002/D - Vary <u>Figures 2 and 3</u> of the Environmental Permit EP-135/2002/D - 更改在環境許可證編號 EP-135/2002/D 的 <u>C 部</u>條件第 3.1 項條件及表 1 - 更改環境許可證編號 EP-135/2002/D 的 <u>圖 2 及圖 3</u> 	30 May 2007 2007 年 5 月 30 日
VEP – 242/2007	6 November 2007 2007 年 11 月 6 日	<ul style="list-style-type: none"> - Vary condition 3.1 and Tables 1 and 3 in <u>Part C</u> of the Environmental Permit EP-135/2002/E - Vary <u>Figures 1a, 2, 5, 12 and 13</u> of the Environmental Permit EP-135/2002/E - 更改在環境許可證編號 EP-135/2002/E 的 <u>C 部</u>條件第 3.1 項條件及表 1 及表 3 - 更改環境許可證編號 EP-135/2002/E 的 <u>圖 1a,圖 2,圖 5,圖 12 及圖 13.</u> 	30 November 2007 2007 年 11 月 30 日
VEP – 250/2008	21 January 2008 2008 年 1 月 21 日	<ul style="list-style-type: none"> - Vary condition 3.1 and Table 1 in <u>Part C</u> of the Environmental Permit EP-135/2002/F - Add <u>Figure 14</u> to the Environmental Permit EP-135/2002/F - 更改在環境許可證編號 EP-135/2002/F 的 <u>C 部</u>條件第 3.1 項條件及表 1 - 在環境許可證編號 EP-135/2002/F 加入 <u>圖 14</u> 	13 February 2008 2008 年 2 月 13 日



VEP – 258/2008	14 April 2008 2008 年 4 月 14 日	<ul style="list-style-type: none"> - Vary condition 3.1 and Table 1 and 2 in <u>Part C</u> of the Environmental Permit EP-135/2002/G - Vary <u>Figures 4</u> and <u>6</u> of the Environmental Permit EP-135/2002/G - Add <u>Figure 15</u> to the Environmental Permit EP-135/2002G - 更改在環境許可證編號 EP-135/2002/G 的 <u>C</u> 部條件第 3.1 項條件及表 1 及表 2 - 更改環境許可證編號 EP-135/2002/G 的 <u>圖 4</u> 及 <u>圖 6</u> - 在環境許可證編號 EP-135/2002/G 加入 <u>圖 15</u> 	13 May 2008 2008 年 5 月 13 日
VEP – 325/2010	28 September 2010 2010 年 9 月 28 日	<ul style="list-style-type: none"> - Vary Condition 3.1 and Table 2 in <u>Part C</u> of the Environmental Permit EP-135/2002/H - Vary <u>Figure 6</u> of the Environmental Permit EP-135/2002/H - 更改在環境許可證編號 EP-135/2002/H 的 <u>C</u> 部件第 3.1 項條件及表 2 - 更改環境許可證編號 EP-135/2002/H 的 <u>圖 6</u> 	25 October 2010 2010 年 10 月 25 日
VEP-428/2014	27 January 2014 2014 年 1 月 27 日	<ul style="list-style-type: none"> - Vary Condition 3.1 in <u>Part C</u> of Environmental Permit EP-135/2002/I - Delete Table 2 and <u>Figure 6</u> of the Environmental Permit EP-135/2002/I and renumber Table 3 to Table 2 - 更改在環境許可證編號 EP-135/2002/I 的 <u>C</u> 部條件第 3.1 項條件 - 刪除環境許可證編號 EP-135/2002/I 的表 2 及 <u>圖 6</u>，並把表 3 重新編號為表 2 	6 February 2014 2014 年 2 月 6 日

6 February 2014
2014 年 2 月 6 日

Date
日期



(Maurice K.L. YEUNG)
Principal Environmental Protection Officer
for Director of Environmental Protection
環境保護署署長
(首席環境保護主任楊國良代行)



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	Sha Tin New Town, Stage II - Road T3 and associated roadworks [This designated project is hereinafter referred to as "the Project"] 沙田新市鎮第二階段工程 - T3 號主幹道路及相關工程[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	Construction and operation of a trunk road. 建造及營辦一條主幹路。
Location of Designated Project 指定工程項目的地點	The Project is located west of Scenery Court at Sha Tin Central and east of Sha Tin Heights. It runs North-South through Sha Tin along the existing transport corridor of Tai Po Road (Tai Wai & Sha Tin) and Shing Mun Tunnel Road. The location of the Project is shown in <u>Figures 1a</u> and <u>1b</u> of this Environmental Permit. 本工程項目位於沙田中部的蔚景園以西及沙田嶺以東，沿大埔公路(大圍及沙田段)現有的運輸走廊及城門隧道公路，貫穿沙田南北。工程項目的地點載於本環境許可證圖 1a 及圖 1b。
Scale and Scope of Designated Project 指定工程項目的規模和範圍	Construction & operation of about 2 kms of elevated roadworks, underpass, slip roads and associated works at Tai Wai. The scope of the Project include the following works : construction of elevated roads between Lion Rock Tunnel Road and Tai Po Road at Sha Tin Heights including slip road connections to Tai Wai; construction of vehicular underpass for proposed Road T3 at Sha Tin Heights; reconstruction and realignment of Tai Po Road (Tai Wai Section) between Mei Tin Road and Lion Rock Tunnel Road; construction of a traffic gyratory system at the Mei Tin Road/Heung Fan Liu Street junction including a two lane bridge over the Shing Mun River Channel; reconstruction of Chung Ling Road at Tung Lo Wan; reconstruction of Chik Wan Street; construction of a two lane elevated road between Tai Po Road and Lower Shing Mun Road; and road improvement works for sections of Tai Po Road (Sha Tin Heights Section).

	<p>在大圍建造及營辦約 2 公里高架道路工程、下通道、支路及相關工程。工程項目範圍包括下述工程：</p> <p>在介乎獅子山隧道公路與位於沙田嶺的一段大埔公路之間建造高架道路，包括連接大圍的支路；</p> <p>為擬在沙田嶺築建的 T3 路建造行車隧道；</p> <p>重建介乎美田路與獅子山隧道公路之間的一段大埔公路（大圍段），並更改該段的路線；</p> <p>在美田路 / 香粉寮街路口設置單程迴旋交通系統，包括建造一條跨越城門河道的雙線天橋；</p> <p>重建位於銅鑼灣的一段松嶺路；</p> <p>重建積運街；</p> <p>在介乎大埔公路與下城門道之間建造一條雙線高架道路；以及</p> <p>為大埔公路（沙田嶺段）部分路段進行道路改善工程。</p>
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PART C (PERMIT CONDITIONS)

1. General Conditions

- 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), Dumping at Sea Ordinance (Cap.466), the Waste Disposal Ordinance (Cap.354). This Permit does not of itself (a) constitute any ground of defense against any proceedings instituted under any legislation or (b) 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 or the documents referred to in Part A of the Permit readily available at all times for inspection by the Director or his authorized 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 by the Permit. The site(s) refers to site(s) of construction and/or operation of the Project(s) and shall mean the same hereafter.
- 1.5 The Permit Holder shall display conspicuously a copy of this Permit on the construction site(s) at all vehicular site entrances/exits or at a convenient location for public 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 construction site(s).
- 1.6 The Permit Holder shall construct and operate the Project as described 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 EIA Report (Register No. EIA-143/BC); the Environmental Review and other relevant documents in the Register; the information and mitigation measures described in this Permit, and mitigation measures to be recommended in 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 impliedly amended in this Permit.



- 1.8 All 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, or 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. 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 2.2 below, before submitting to the Director under the 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 The Permit Holder shall notify the Director in writing the commencement date of construction of the Project no later than one month prior to the commencement of construction of the Project. The Permit Holder shall notify the Director in writing immediately if there is any change of the commencement date of the construction.
- 1.12 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 4.0 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hardcopies.
- 1.13 For the purpose of this Permit, "commencement of construction" does not include works related to site clearance and preparation, or other works as agreed by the Director.

2. Submissions for the Construction of the Project

- 2.1 An Environmental Team (ET) shall be established by the Permit Holder no later than one month before the commencement of construction of the Project. The ET shall be headed by an ET Leader. The ET Leader shall be a person who has at least 7 years' experience in environmental monitoring and audit (EM&A) or environmental management. The ET team and the ET Leader shall be responsible for the duties defined in the updated Environmental Monitoring and Audit (EM&A) Manual submitted and approved under Condition 2.3 of this Permit. The ET Leader shall be responsible for the implementation of the EM&A programme in accordance with the EM&A requirements as contained in the updated EM&A Manual. The ET Leader



shall keep a contemporaneous log-book of each and every instance or circumstance or change of circumstances which may affect the environmental impact assessment and each and every non-compliance with the information and recommendations described in the EIA Report (Register No. EIA-143/BC) and the Environmental Review, or this Permit. This log-book shall be kept readily available for inspection by all persons assisting in supervision of the implementation of the recommendations of the EIA Report and the Environmental Review, and this Permit or by the Director or his authorized officers. Failure to maintain records in the log-book, failure to discharge the duties of the ET leader as defined in the updated EM&A Manual or failure to comply with this Condition 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 replacement, or further failure to keep contemporaneous records in the log-book despite the employment of a new ET Leader may render the Permit liable to suspension, cancellation or variation. The ET shall not be any way an associated body of the Independent Environmental Checker (IEC) for the Project.

- 2.2 An Independent Environmental Checker (IEC) shall be employed by the Permit Holder no later than one month before the commencement of construction of the Project. The IEC shall be a person who has at least 7 years' experience in environmental monitoring and audit (EM&A) or environmental management. The IEC shall be responsible for duties defined in the updated EM&A Manual submitted and approved under Condition 2.3 of this Permit, and shall audit the overall EM&A programme described in the updated EM&A Manual, including the implementation of all environmental mitigation measures, submissions relating to EM&A, and any other submissions required under this Permit. In addition, the IEC shall be responsible for verifying the environmental acceptability of permanent and temporary works, relevant design plans and submissions under this Permit. The IEC shall verify the log-book(s) mentioned in Condition 2.1 of this Permit. The IEC shall notify the Director by fax, within 24 hours of each and every occurrence, change of circumstances or non-compliance with the recommendations and information contained in the EIA report (Register No. EIA-143/BC) and the Environmental Review, or this Permit, which might affect the monitoring or control of adverse environmental impact. Where the IEC fails to so notify the Director of the same, fails to discharge the duties of the IEC as defined in the updated EM&A Manual or fails to comply with this Condition, 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 to so notify the Director despite employment of a new IEC may render the Permit liable to suspension, cancellation or variation. Notification by the Permit Holder is the same as notification by the IEC for the purpose of this Condition. The IEC shall not be in any way an associated body of the Contractor or the ET for the Project.
- 2.3 The Permit Holder shall update the Environmental Monitoring and Audit (EM&A) Manual to include the latest EM&A requirements in accordance with the information and recommendations described in the Environmental Review. The Permit Holder shall submit 3 copies of the updated EM&A Manual to the Director for approval no later than one month before the commencement of construction of the Project. Before submission to the Director, the updated EM&A Manual shall be certified by the ET Leader and verified by the IEC as conforming to the information and recommendations described in the EIA Report, and the Environmental Review. All measures recommended in the updated EM&A Manual approved under this Condition shall be fully and properly implemented in accordance with the requirements and time



schedule(s) set out in the updated EM&A Manual. The EM&A Manual approved under this Condition shall hereinafter be referred to as the "updated EM&A Manual".

- 2.4 The Permit Holder shall, within one month before the commencement of construction of the Project, deposit with the Director 3 sets of construction noise mitigation proposal to mitigate the construction noise impact arising from the Project. The proposal shall indicate the exact locations and details of the temporary noise barriers and the arrangement of the number and type of equipment, procedure and sequence of construction in accordance with the recommendations specified in sections 2.3.17 - 2.3.25 of the Environmental Review. The submission shall be verified by the ET leader and approved by the IEC as conforming to the information and recommendations contained in the EIA Report, and the Environmental Review.
- 2.5 The Permit Holder shall, within one month after the commencement of construction of relevant part of the Project, inform the Director in writing of the management organization of the main construction companies and/or any form of joint ventures associated with the construction of the Project. The submitted information shall include at least an organization chart, names of responsible persons and their contact details.
- 2.6 The Permit Holder shall, within one month after the commencement of construction of the Project, deposit with the Director 3 sets of landscape proposal to mitigate the potential landscape and visual impacts arising from the construction and operation of the Project. The landscape proposal shall include an explanatory statement, design drawings and layout plans at a scale 1 to 1000 or other scale as agreed by the Director. The submission shall include an implementation programme with clear identification of the responsibility for funding, implementation, management and maintenance of the landscape and visual mitigation measures as recommended in the EIA Report, and the Environmental Review. The submission shall be certified by the ET leader and verified by the IEC as conforming to the information and recommendations contained in the EIA report, and the Environmental Review. The Permit Holder shall make available additional copies to the Director upon his request.

3. Measures for Construction and Operation of the Project

- 3.1 To mitigate the traffic noise impact arising from the Project, the noise barriers and enclosures shall be constructed in accordance with the details as shown in Tables 1 and 2 and Figures 2 to 5, 7, 14 and 15 attached to this Permit. Noise barriers to be fully implemented before commencement of operation of the Project are shown in Table 1 and Figures 2 to 5, 7, 14 and 15. All noise barriers shall be continuous structures with no gap or opening except where access road is required. All noise barriers and enclosures shall be in place and properly maintained during the operation of the Project.
- 3.2 To protect the water quality of the Upper Shing Mun River Channel, the construction works spanning the Upper Shing Mun River Channel shall be carried out in the dry season (from November to March).



- 3.3 To mitigate the construction noise impact arising from the Project, all measures recommended in the construction noise mitigation proposal deposited under Condition 2.4 shall be fully implemented.
- 3.4 All measures recommended in the landscape proposal deposited under Condition 2.6 of this Permit shall be fully implemented and maintained.
- 3.5 Absorptive panels shall be provided to all noise barriers to a height of 2.5m above the road level, except for the locations and extent of barriers as specified in Table 2 and Figures 8 to 13 where the absorptive panels are replaced by transparent reflective panels.

4. Environmental Monitoring and Audit requirements during Construction of the Project

- 4.1 The EM&A programme shall be implemented in accordance with the procedures and requirements in the updated EM&A Manual approved under Condition 2.3 of this Permit. Any changes to the EM&A programme shall be justified by the ET leader and verified by the IEC as conforming to the requirements as set out in the updated EM&A Manual and shall be submitted to the Director for approval.
- 4.2 The Permit Holder shall take samples and measurements in accordance with the requirements of the updated EM&A Manual by:
- a) conducting baseline environmental monitoring on water quality, noise and air quality as set out in the updated EM&A Manual; and
 - b) conducting impact monitoring on water quality, noise and air quality as set out in the updated EM&A Manual.
- 4.3 The remedial actions described in the Event/Action Plans of the updated EM&A Manual shall be fully and properly carried out in accordance with the time frames set out in the Event/Action Plans, or as agreed by the Director.
- 4.4 Records of measurements and actions taken under conditions 4.2 and 4.3 respectively of this Permit shall be logged and kept, within 3 working days of the collection of data or completion of action, for the purpose of preparing and submitting the EM&A reports and making the information available for inspection on site.
- 4.5 Two hard copies and one electronic copy of the Baseline Monitoring Report shall be submitted to the Director at least 2 weeks before commencement of construction of the Project. The submission shall be verified by the IEC. Additional copies of the submission shall be made available to the Director upon his request.
- 4.6 Two hard copies and one electronic copy of monthly EM&A Report shall be submitted to the Director within 2 weeks after the end of the reporting month. The EM&A Reports shall include a summary of all noncompliance (exceedances) of the environmental quality performance limits (Action and Limit Levels). The submissions shall be verified by the IEC. Additional copies of the submission shall be provided to the Director upon request by the Director.



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

5. Environmental Monitoring and Audit Requirements during Operation of the Project

- 5.1 The Permit Holder shall, at least six months before the operation of the Project, deposit with the Director a monitoring plan for the purpose of verification of traffic noise assessment, by comparing the project noise impact predictions with the actual impacts. The monitoring plan shall contain monitoring locations, monitoring schedules, methodology of noise monitoring including noise measurement procedures, traffic counts and speed checks, and methodology of comparison with the predicted levels. Monitoring shall be conducted in accordance with the deposited monitoring plan unless with prior justification. Monitoring details and results, including the comparison between the measured noise levels and the predicted levels, shall be recorded in a report. The report shall be certified by the Permit Holder before it is deposited with the Director, within one month after the completion of the monitoring.
- 5.2 The Permit Holder shall deposit with the Director 3 copies of an audit report, certified by the ET Leader and verified by the IEC, demonstrating the satisfactory completion of the measures recommended in the landscape proposal as described in conditions 2.6 and 3.4 of this Permit. The audit report shall be deposited within 3 weeks after completion of the mitigation measures.

6. Electronic Reporting of EM&A Information

- 6.1 To facilitate public inspection of the Baseline Monitoring Report, monthly EM&A Reports, and the reports described in Conditions 5.1 and 5.2 of this Permit via the EIA Ordinance Internet Website and at the EIA Ordinance 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 4.0 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hard copies as described in Conditions 4.5, 4.6, 5.1 and 5.2 of this Permit. 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 format unless otherwise agreed by the Director. The content of the electronic copies of these Reports must be the same as the hard copies.
- 6.2 The Permit Holder shall, set up a dedicated web site and notify the Director in writing the internet address where the environmental monitoring and project data is to be placed, within six weeks after the commencement of construction of the Project. All environmental monitoring data described in Condition 6.1 above shall be made available to the public via a dedicated web site to be set up by the Permit Holder in the shortest possible time and in no event later than 2 weeks after the relevant environmental monitoring data are collected or become available, unless otherwise agreed with the Director.



- 6.3 The internet website as described in Condition 6.2 above shall enable user-friendly public access to the monitoring and project data including the EIA report and the environmental permit(s) and the project profile of the Project. The internet website shall have features capable of :
- (a) providing access to all environmental monitoring data collected since the commencement of works;
 - (b) searching by date;
 - (c) searching by types of monitoring data (water quality, noise and air quality); and
 - (d) hyperlinks to relevant monitoring data after searching;
- or otherwise as agreed by the Director.

Notes :

1. This Environmental 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 should obtain independent legal advice on the legal implications under the Ordinance, and the following notes are for general information only.
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.
3. The Permit Holder may apply under Section 13 of the Environmental Impact Assessment Ordinance (the "Ordinance") to the Director for a variation of the conditions of this Environmental Permit. The Permit Holder shall replace the original Permit displayed on the construction site by the amended Permit.
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 Ordinance to the Director for a further Environmental Permit.
5. Under Section 14 of the Ordinance, 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 the display at the construction site.
6. If this Permit is cancelled or surrendered during construction or operation of the Project, another environmental permit must be obtained under the Ordinance before the Project could be continued. It is an offence under Section 26 (1) of the Ordinance to construct or operate a designated project listed in Part I of Schedule 2 of the Ordinance without a valid environmental permit.



7. Any person who constructs or operates the Project contrary to the conditions in the Permit, and is convicted of an offence under the Ordinance, is liable: -
- (i) on a first conviction on indictment to a fine of \$ 2 million and to imprisonment for 6 months;
 - (ii) on a second or subsequent conviction on indictment to a fine of \$ 5 million and to imprisonment for 2 years;
 - (iii) on a first summary conviction to a fine at level 6 and to imprisonment for 6 months;
 - (iv) on a second or subsequent summary conviction to a fine of \$1 million and to imprisonment for 1 year; and
 - (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.
8. The Permit Holder may appeal against any condition of this Permit under Section 17 of the Ordinance within 30 days of receipt of this Permit.
9. The Notes are for general reference only and that the Permit Holder should refer to the EIA Ordinance for details and seek independent legal advice.

Environmental Permit No. EP-135/2002/J



Table 1 – Schedule of Recommended Noise Mitigation Measures to be implemented before commencement of operation of the Project (to be read in conjunction with Figures 2, 3, 4, 5, 7, 12, 14 and 15 attached to this Permit)

(Extracted from Table 8-1 of the Environmental Review attached to the Environmental Permit Application No. : AEP-135/2002 and Appendix D of Application No.: VEP-242/2007)

Mitigation Measures	Location
Low noise road surfacing (LNRS)	On Trunk Road T3 (see <u>Figure 2</u>)
A 5.8m high with 3m cantilever of approx. 55m long (see segment no. 1 in <u>Figure 3</u>), A 5.8m high with 5m cantilever of approx. 90m long (see segment no. 2 in <u>Figure 3</u>), A 5.8m high with 3m cantilever of approx. 95m long (see segment no. 3 in <u>Figure 3</u>), A 3m high vertical barrier of approx. 130m long (see segment no. 4 in <u>Figure 3</u>), and	near Hilton Plaza , Scenery Court and Vila le Parc
A 5.8m high with 1.5m cantilever of approx. 190m long (see segment no. 9 in <u>Figure 3</u>), and	near Sha Tin Clinic, Sha Tin Government School and Caritas School
A 5m high vertical barrier of approx. 120m long (see segment no. 10 in <u>Figure 3</u>), A 4m high vertical barrier of approx. 150m long (see segment no. 11 in <u>Figure 3</u>), A 5m high vertical barrier of approx. 275m long (see segment no. 12 in <u>Figure 3</u>), A 6m high vertical barrier of approx. 105m long (see segment no. 15 in <u>Figure 3</u>), and A 5m high vertical barrier of approx. 215m long (see segment no. 16 in <u>Figure 3</u>).	near Pine Ridge Church, Villa Maria, Man Lin Villa, On Ting Terrace and Tung Lo Wan Village
A 3m high vertical barrier of approx. 330m long (see segment no. 17 in <u>Figure 3</u>), A partial enclosure of approx. 235m long (see segment no. 18 in <u>Figure 4</u>), A 5.8m high with 5m cantilever of approx. 150m long (see segment no. 19 in <u>Figure 4</u>), A 5.8m high vertical barrier of approx. 15m long (see segment no. 20 in <u>Figure 4</u>),	near Chik Chuen Street, Kam Shan Building, Sha Tin Public School and Mei Lam Estate



Mitigation Measures	Location
<p>A 5.8m high with 5m cantilever of approx. 85m long (see segment no. 21 in <u>Figure 4</u>),</p> <p>A 3m high vertical barrier of approx. 120m long (see segment no. 22 in <u>Figure 4</u>),</p> <p>A 5.5m high vertical barrier of approx. 85m long (see segment no. 23 in <u>Figure 4</u>),</p> <p>A 5.8m high with 1.5m cantilever of approx. 215m long (see segment no. 24 in <u>Figure 4</u>),</p> <p>A full enclosure of approx. 130m long (see segment no. 25 in <u>Figure 4</u>),</p> <p>A partial enclosure of approx. 190m long (see segment no. 26 in <u>Figures 4 and 15</u>),</p> <p>A 5m high vertical barrier of approx. 75m long (see segment no. 27 in <u>Figure 4</u>), and</p> <p>A 5.8m high with 5m cantilever of approx. 145m long (see segment no. 28 in <u>Figure 4</u>).</p>	
<p>A 4m high vertical barrier of approx. 75m long (see segment no. 29 in <u>Figure 4</u>),</p> <p>A 4.5m high vertical barrier of approx. 50m long (see segment no. 54 in <u>Figure 4</u>),</p> <p>A 5.8m high with 4m cantilever of approx. 85m long (see segment no. 55 in <u>Figure 4</u>).</p>	near Chik Chuen Street, Kam Shan Building, Sha Tin Public School and Mei Lam Estate
<p>A 5m high vertical barrier of approx. 35m long (see segment no. 30 in <u>Figure 4</u>), and</p> <p>A 5.8m high with 1.5m cantilever of approx. 300m long (see segment no. 31 in <u>Figures 4 and 12</u>).</p> <p>A 4 m high vertical reflective barrier of approx 10m long (see segment no. 31a in <u>Figures 5 and 12</u>)</p> <p>A 3 m high vertical reflective barrier of approx. 5m long (see segment no. 31b in <u>Figures 5 and 12</u>)</p> <p>A 5.8m high with 1.5m cantilever of approx. 35m long (see segment no. 31c in <u>Figures 5 and 12</u>)</p> <p>A 5.8m high with 1.5m cantilever of approx. 50m long (see segment no. 31d in <u>Figures 5 and 12</u>)</p>	near Tai Wai New Village
<p>A 5.8m high with 3m cantilever of approx. 350m long (see segment no. 32 in <u>Figures 4 and 15</u>),</p> <p>A partial enclosure of approx. 295m long (see segment no. 33 in <u>Figures 4, 5 and 15</u>),</p>	near Glamour Garden, Grandeur Garden, Holford Garden, Lau Pak Lok Secondary

Mitigation Measures	Location
<p>A partial enclosure of approx. 125m long (see segment no. 34 in <u>Figures 4 and 5</u>),</p> <p>A 5.8m high with 1.5m cantilever of approx. 120m long (see segment no. 35 in <u>Figures 4 and 5</u>),</p> <p>A 5.5m high vertical barrier of approx. 75m long (see segment no. 36 in <u>Figure 5</u>), and</p> <p>A 5.8m high with 5m cantilever of approx. 115m long (see segment no. 37 in <u>Figure 5</u>).</p>	School, Cheng Wing Gee College and planned development at Tai Wai Depot
<p>A partial enclosure of approx. 50m long (see segment no. 38 in <u>Figure 5</u>),</p> <p>A 5.8m high with 5m cantilever of approx. 170m long, with the first 3.0m of this cantilever abutting the Underpass to be in the form of a vertical noise barrier type of 7.5m high. (see segment no. 39 in <u>Figures 5 and 14</u>),</p> <p>A 4m high vertical barrier of approx. 137m long (see segment no. 40 in <u>Figures 5 and 7</u>),</p> <p>A 3m high vertical barrier of approx. 50m long (see segment no. 41 in <u>Figure 5</u>),</p> <p>A 4m high vertical barrier of approx. 80m long (see segment no. 42 in <u>Figure 5</u>),</p> <p>A 5.8m high with 1.5m cantilever of approx. 70m long (see segment no. 52 in <u>Figure 5</u>), and</p> <p>A 5m high vertical barrier of approx. 35m long (see segment no. 53 in <u>Figure 5</u>).</p>	near Glamour Garden, Grandeur Garden, Holford Garden, Lau Pak Lok Secondary School, Cheng Wing Gee College and planned development at Tai Wai Depot
<p>A 5m high vertical barrier of approx. 120m long (see segment no. 43 in <u>Figure 5</u>),</p> <p>A 6m high vertical barrier of approx. 120m long (see segment no. 44 in <u>Figure 5</u>).</p>	near planned development at Vista Do Vale, Area 37 and Area 38
<p>A 5m high vertical barrier of approx. 55m long (see segment no. 48 in <u>Figure 4</u>).</p>	near planned development at Mui Lee



Table 2 – Locations and extent of noise barriers where absorptive panels as originally provided to a height of 2.5m above the road level are replaced by transparent reflective panels (to be read in conjunction with Figures 8, 9, 10, 11, 12 and 13 attached to this Permit)

(Extracted from the Application VEP-169/2005)

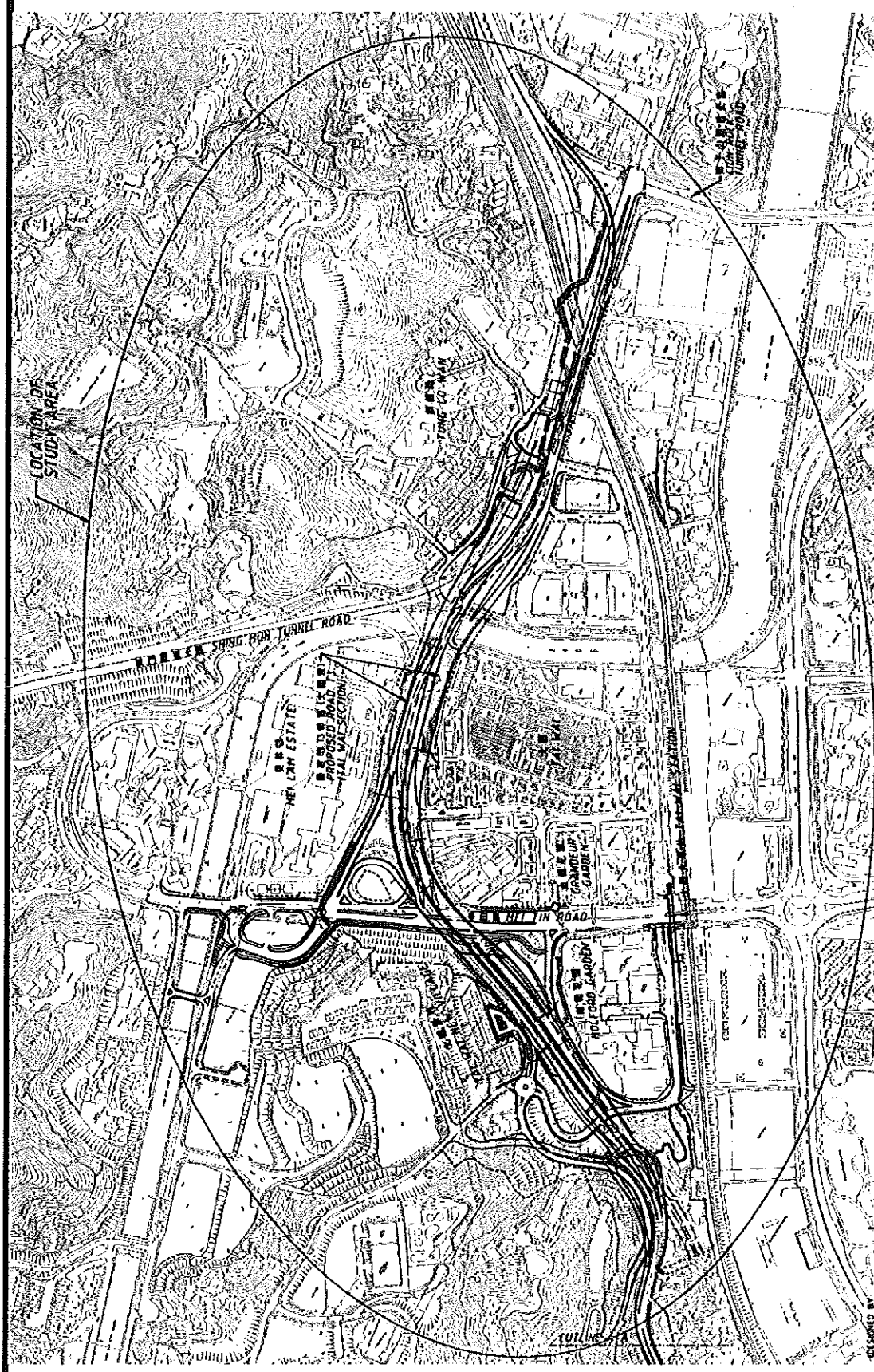
Segment no. in this Permit	Chainage	Length (m)	Height, h(m)	Relevant Figures
21	From CH 0 to CH +87	87	1.7h for 87m long	see <u>Figures 8</u> and <u>9</u> for details
20	From CH+79.237 to CH +96.237	17	2.5h for 17m long	see <u>Figures 8</u> and <u>9</u> for details
48	From CH+246.31 to CH +250.31	4	2.5h for 4m long	see <u>Figures 10</u> and <u>11</u> for details
31c & 31d	From CH+496.4 to CH +515.3 and From CH+517.3 to CH +528.3	30	2.5h for 19m long 1.7h for 11m long	see <u>Figures 12</u> and <u>13</u> for details





Figure 1a : Location of the Project
 (Reproduced from Drawing No. T3/SSK5257 submitted under the Application
 for Variation of Environmental Permit (Application No.: VEP-242/2007))

**Project Title: Sha Tin New Town – Stage II,
 Road T3 and Associated
 Roadworks**
Environmental Permit No.: EP-135/2002/J



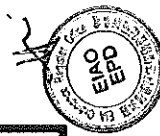
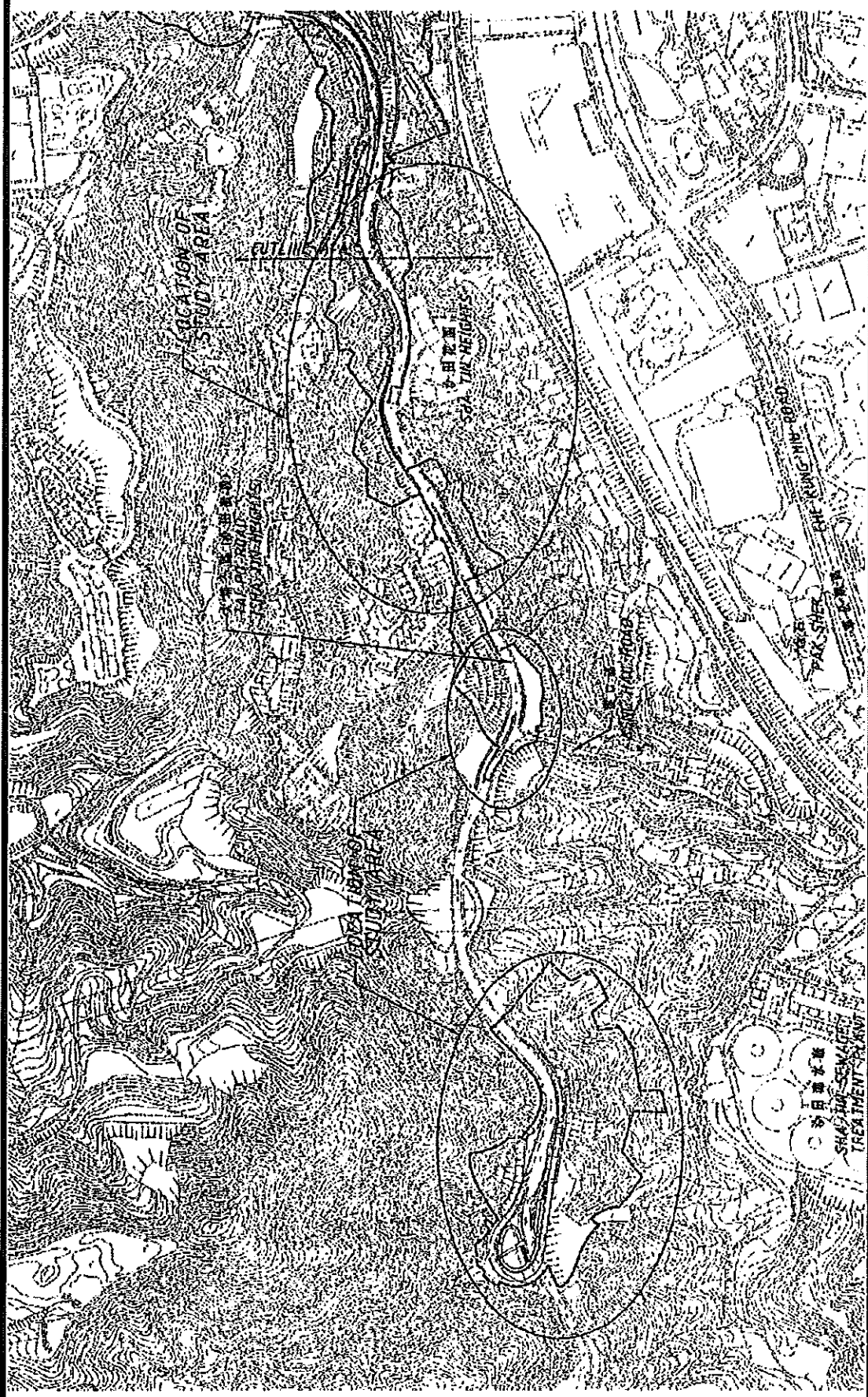
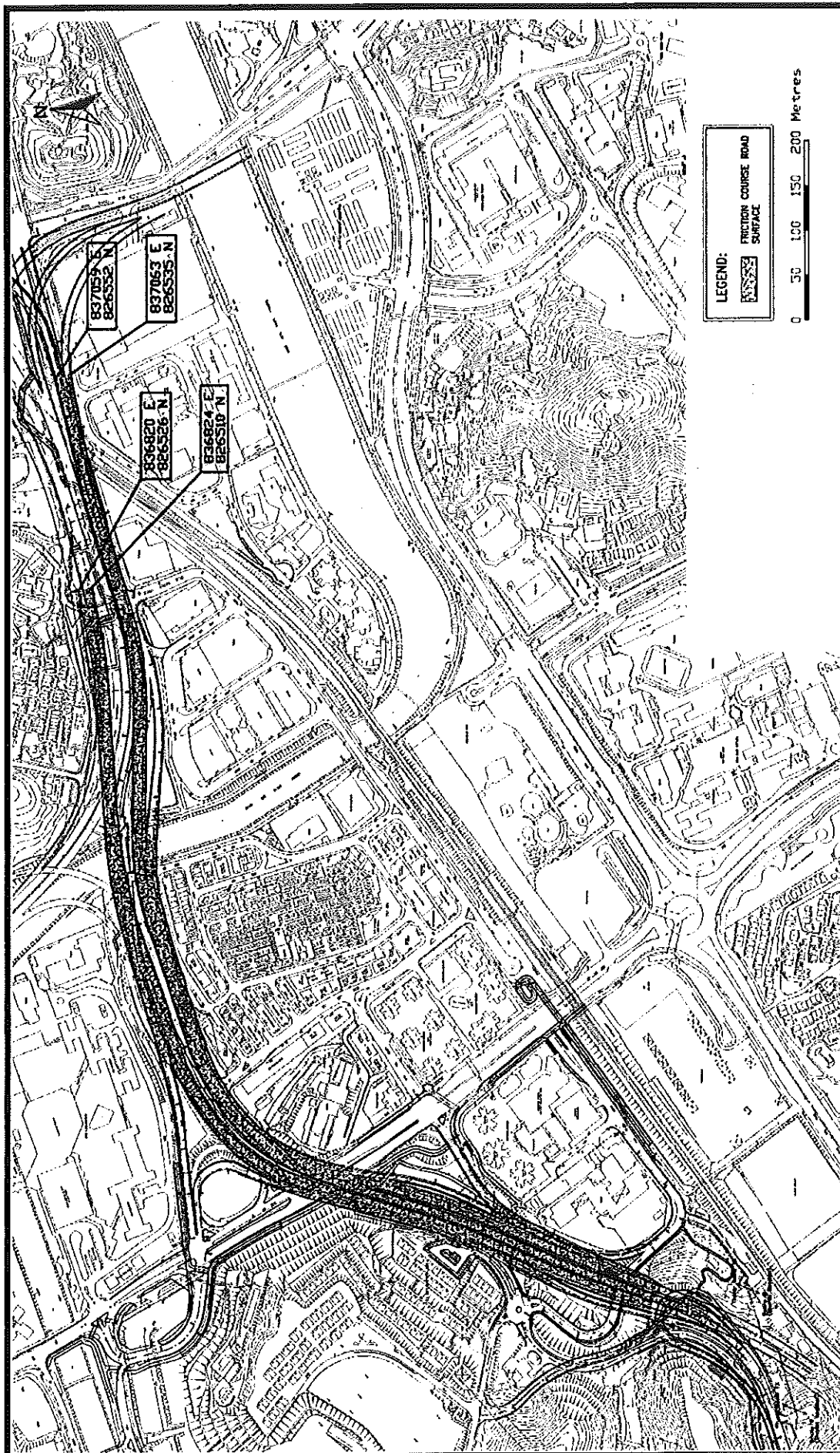


Figure 1b : Location of the Project
(Extracted from the Application for Environmental Permit (Application No.: AEP-135/2002))

**Project Title : Sha Tin New Town- Stage II,
Road T3 and Associated
Roadworks**
Environmental Permit No.: EP-135/2002/J





Project Title : Sha Tin New Town- Stage II,
Road T3 and Associated
Roadworks
Environmental Permit No.: EP-135/2002/J

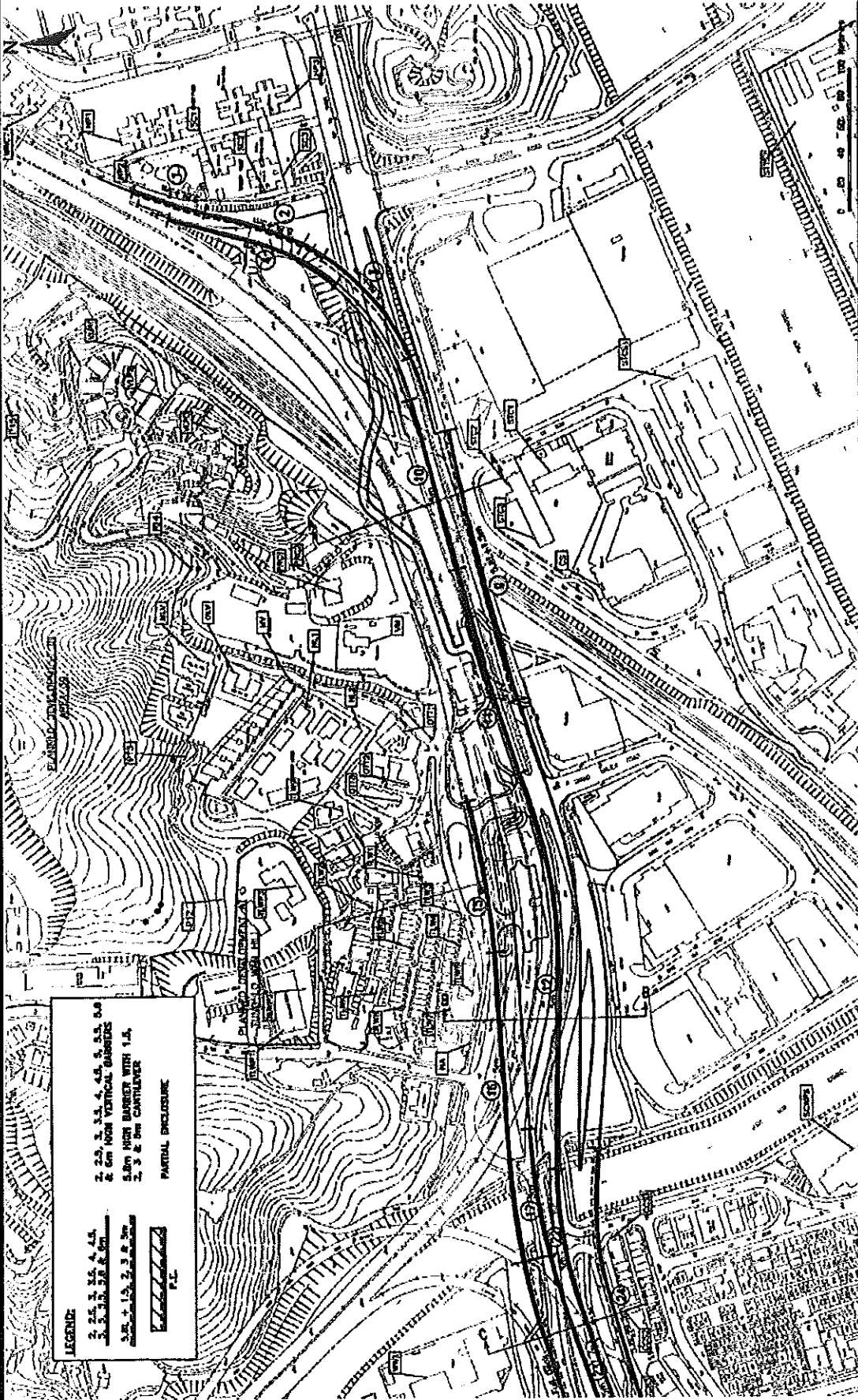
Figure 2 : Extent of Low Noise Road Surface
(Reproduced from Drawing No. T3/SSK4432B submitted under the
Application for Variation of Environmental Permit (Application No.:
VEP-242/2007)





Figure 3 : Location of the Noise Barriers and Enclosures
 (to be implemented before commencement of operation of the Project)
 (Reproduced from Drawing No. T3/SSK4405B submitted under the Application for
 Variation of Environmental Permit (Application No.: VEP-235/2007))

Project Title: Sha Tin New Town – Stage II,
 Road T3 and Associated
 Roadworks
 Environmental Permit No.: EP-135/2002/J



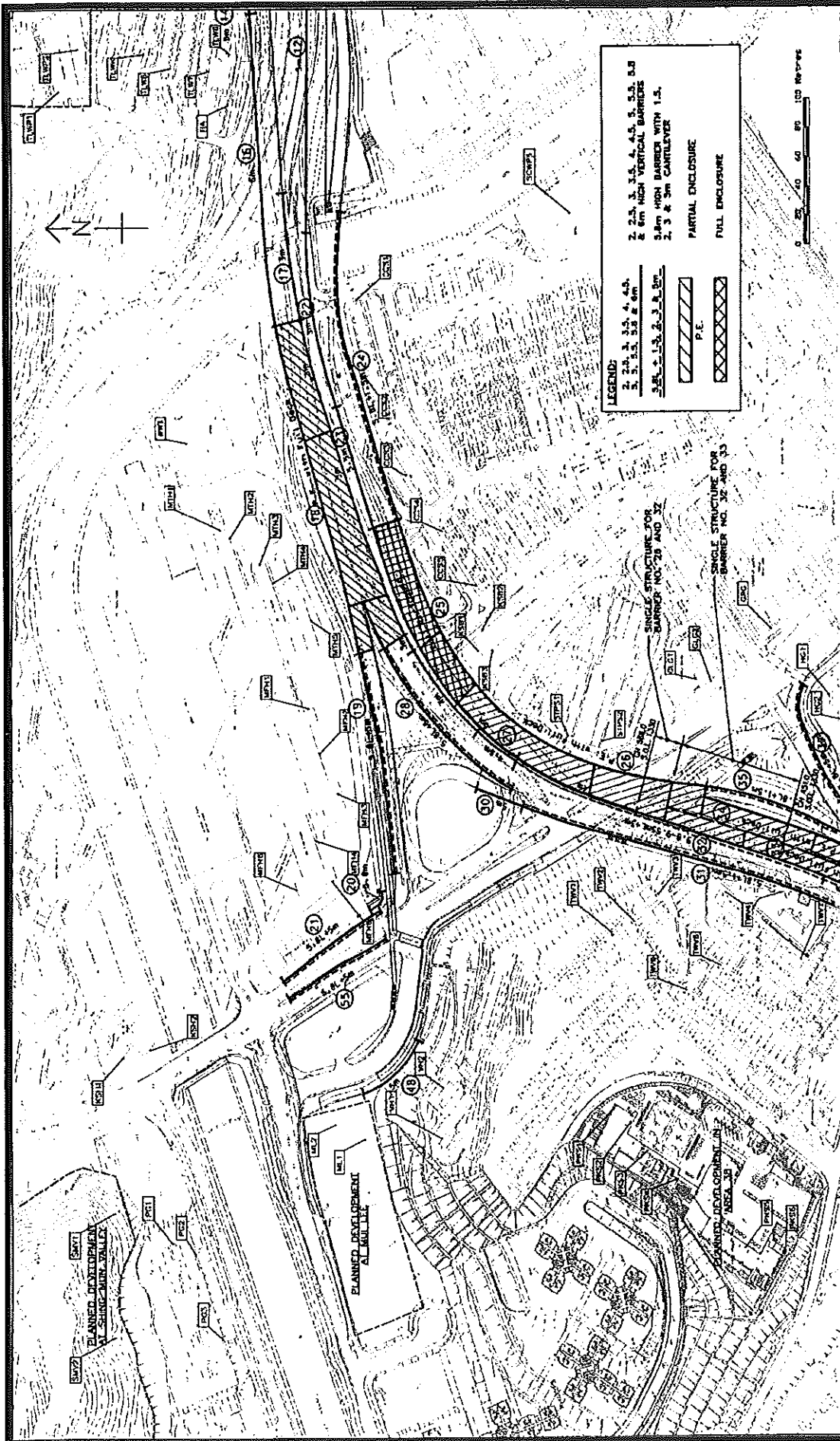
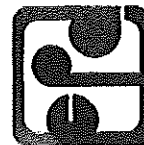


Figure 4 : Location of the Noise Barriers and Enclosures (to be implemented before commencement of operation of the Project)
(Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-258/2008))

**Project Title : Sha Tin New Town- Stage II,
Road T3 and Associated
Roadworks**

Environmental Permit No.: EP-135/2002/J

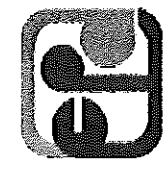
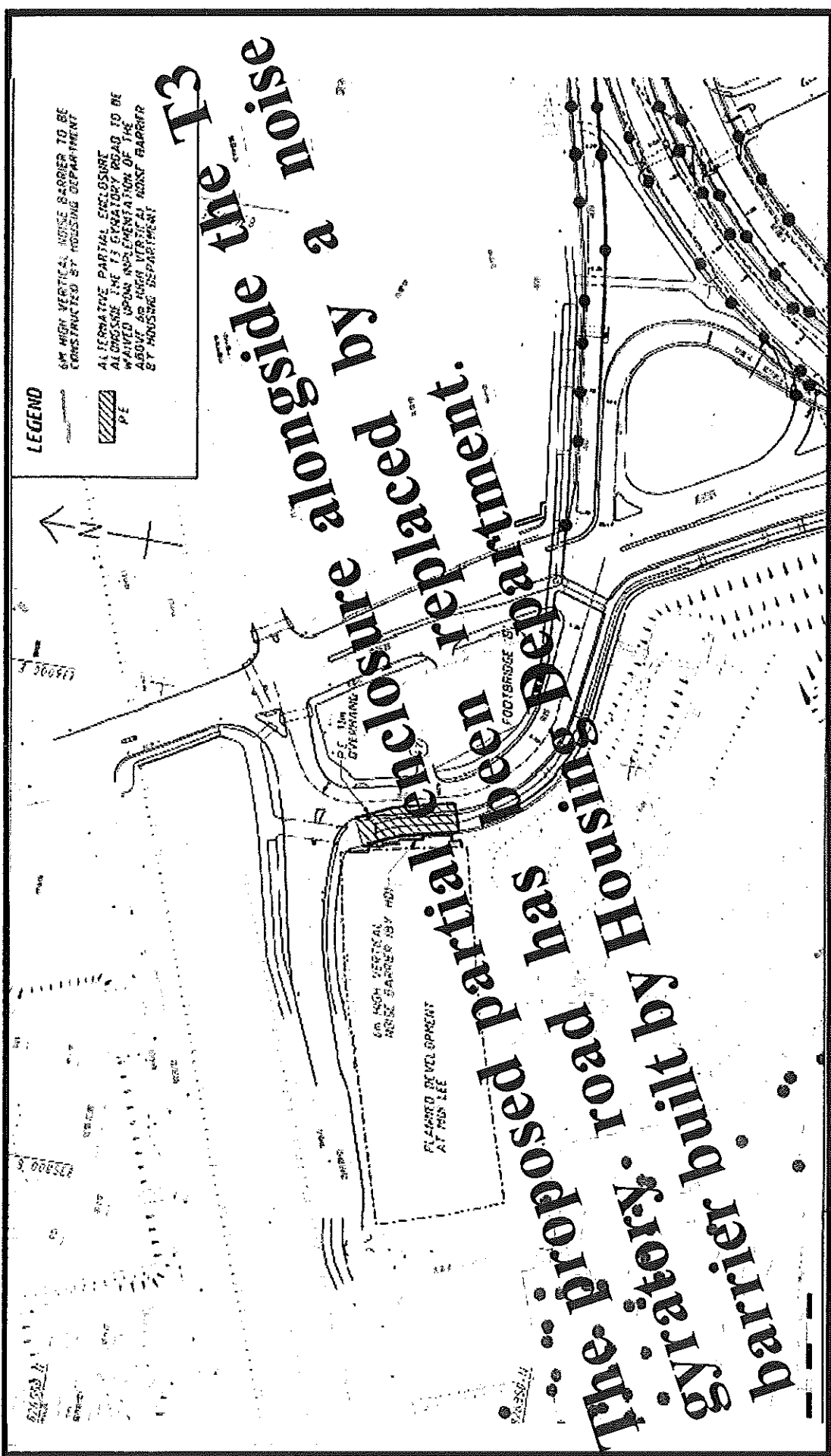
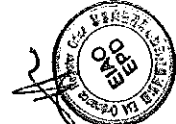


Figure 6: This Figure has been deleted under the Application for Variation of Environmental Permit (Application No. VEP-428/2014)

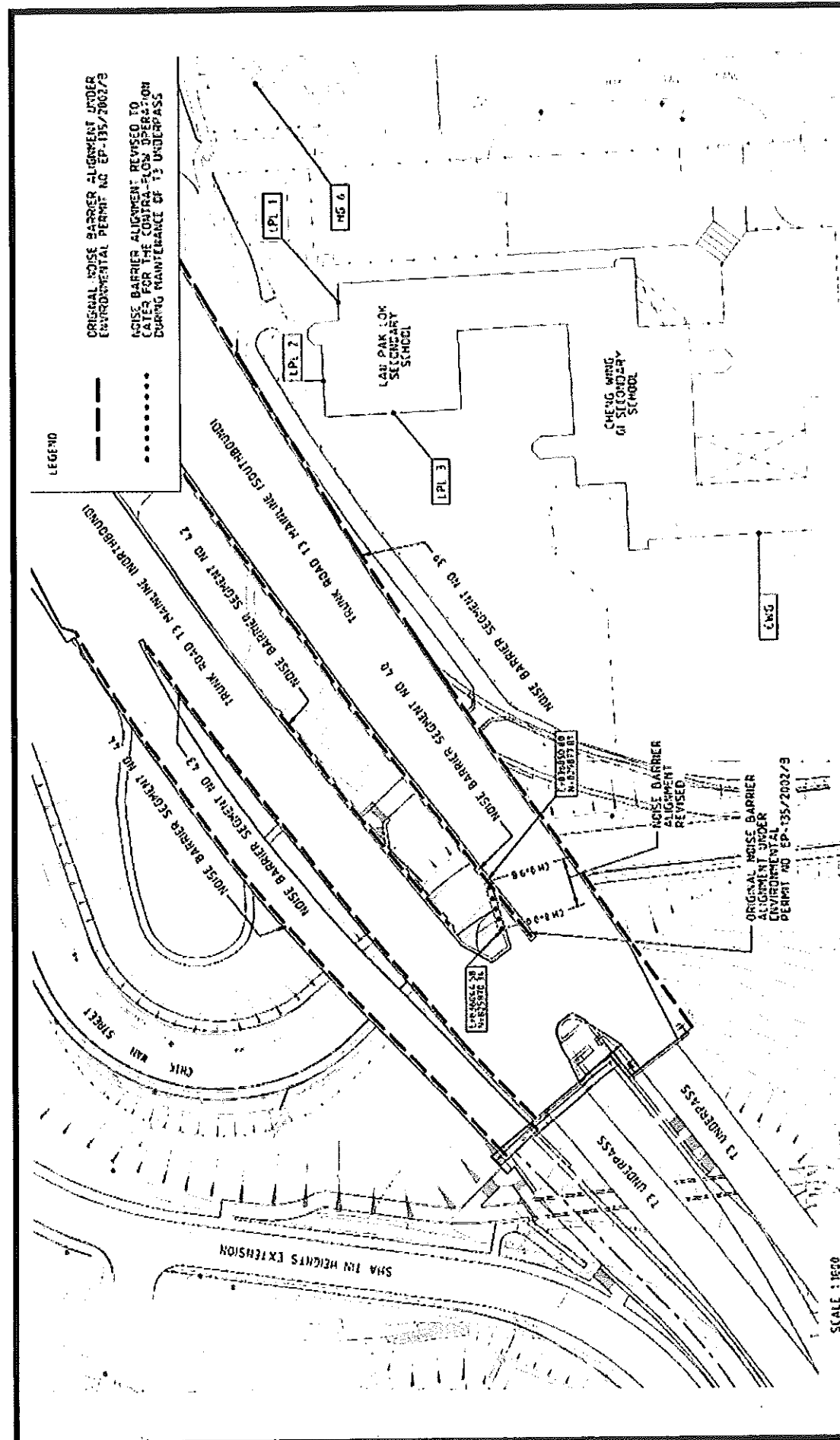
Project Title: Sha Tin New Town – Stage II,
Road T3 and Associated
Roadworks

Environmental Permit No.: EP-135/2002/J



Figure 7 : Alignment of noise barrier segment no. 40 revised to cater for the contra-flow operation during maintenance of T3 Underpass
(Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-177/2005))

**Project Title : Sha Tin New Town- Stage II,
Road T3 and Associated
Roadworks**
Environmental Permit No.: EP-135/2002/J



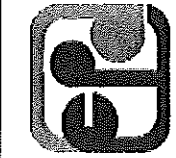
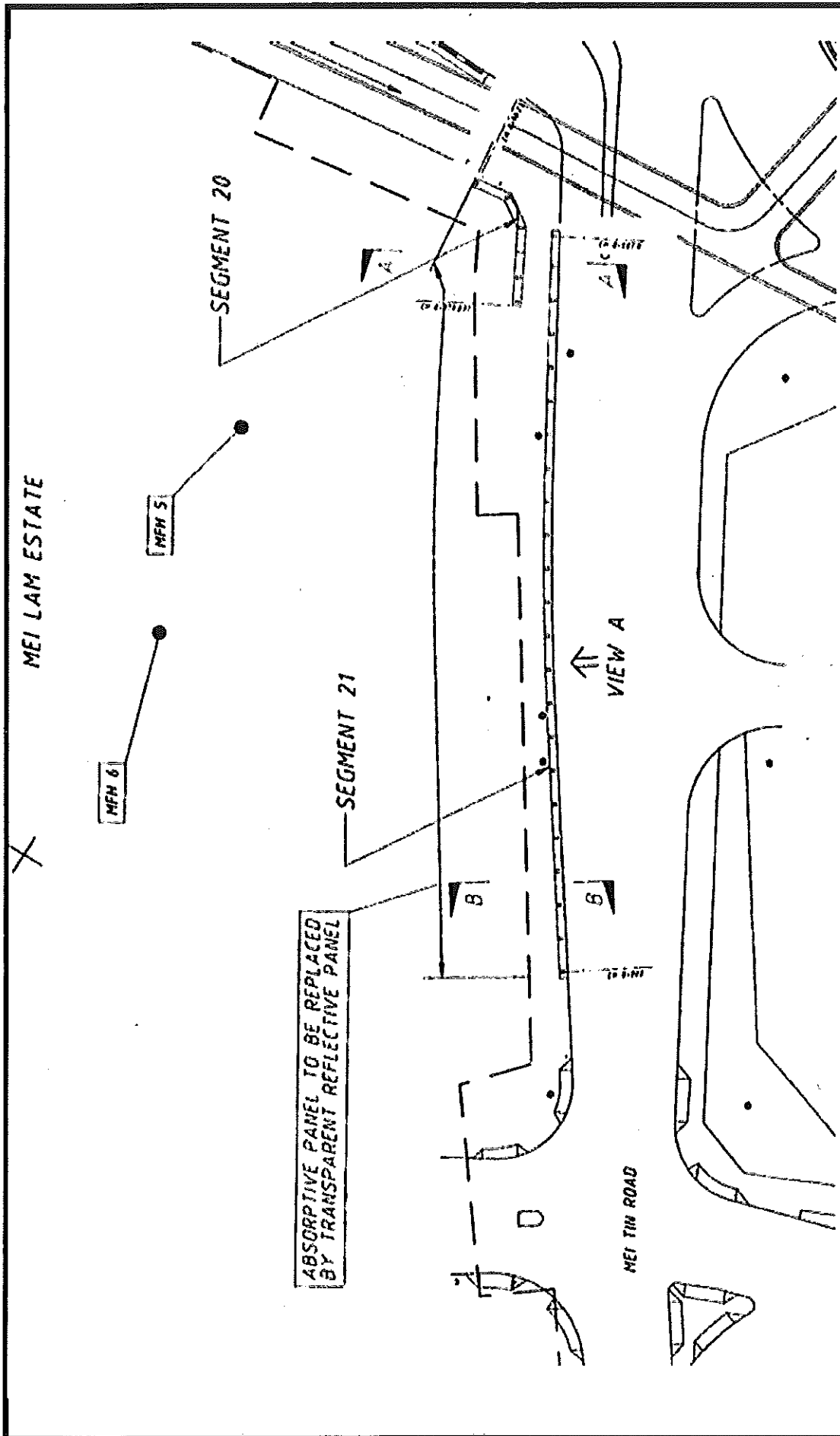


Figure 8 : Locations of the noise barrier segment nos. 20 and 21 where absorptive panels as originally provided to a height of 2.5m above the road level are replaced by transparent reflective panels
 (Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-169/2005))

Project Title : Sha Tin New Town- Stage II,
 Road T3 and Associated
 Roadworks
 Environmental Permit No.: EP-135/2002/J

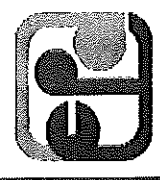
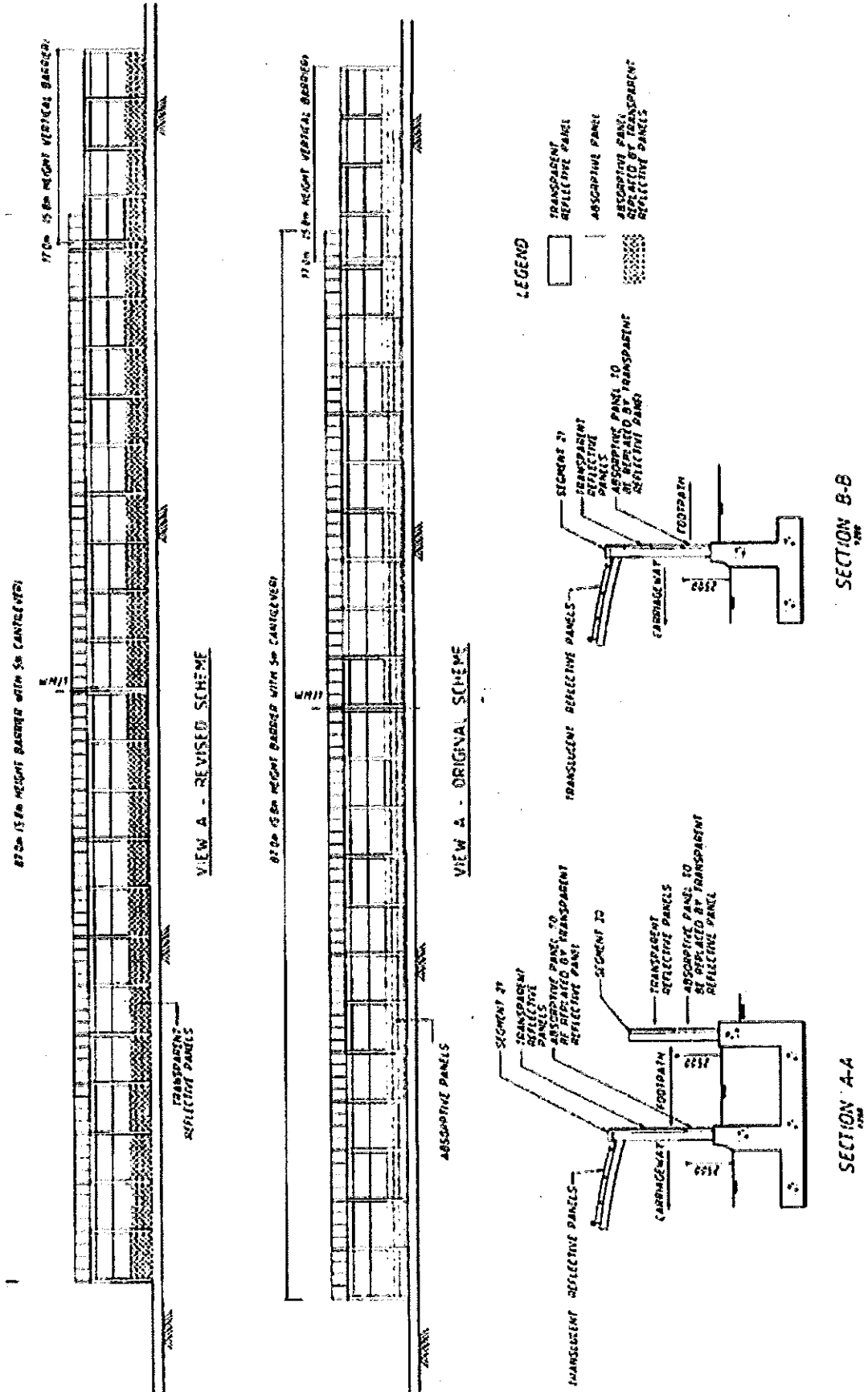


Figure 9 : Extent of the noise barrier segment nos. 20 and 21 where absorptive panels as originally provided to a height of 2.5m above the road level are replaced by transparent reflective panels

(Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-169/2005))

Project Title : Sha Tin New Town- Stage II,
Road T3 and Associated
Roadworks

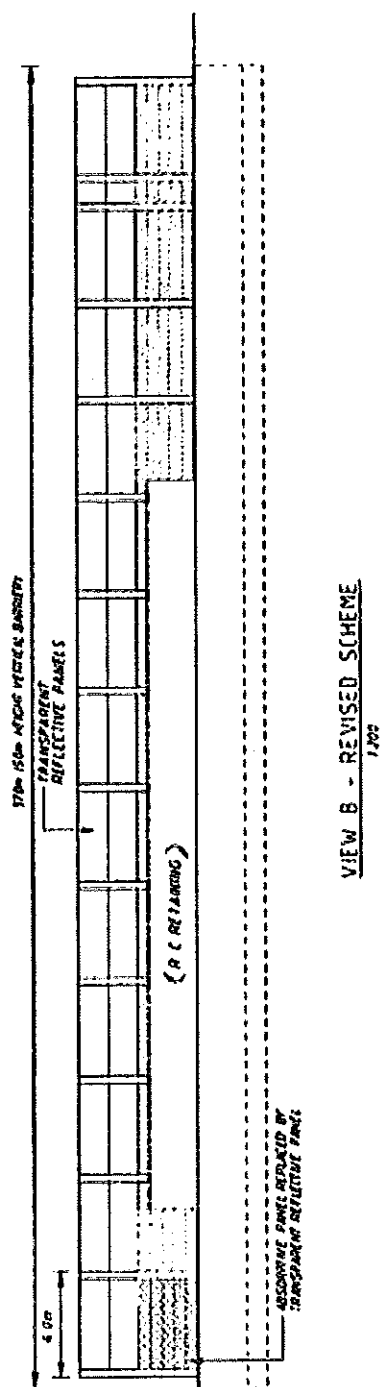
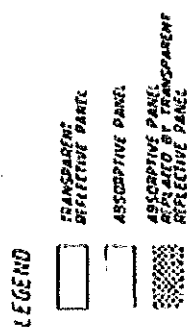
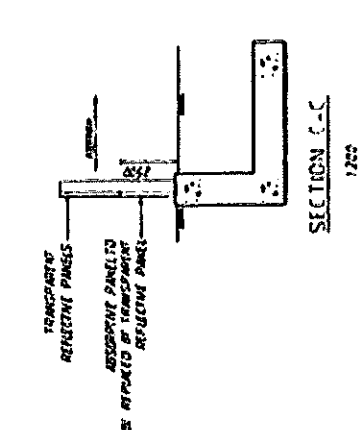
Environmental Permit No.: EP-135/2002/J



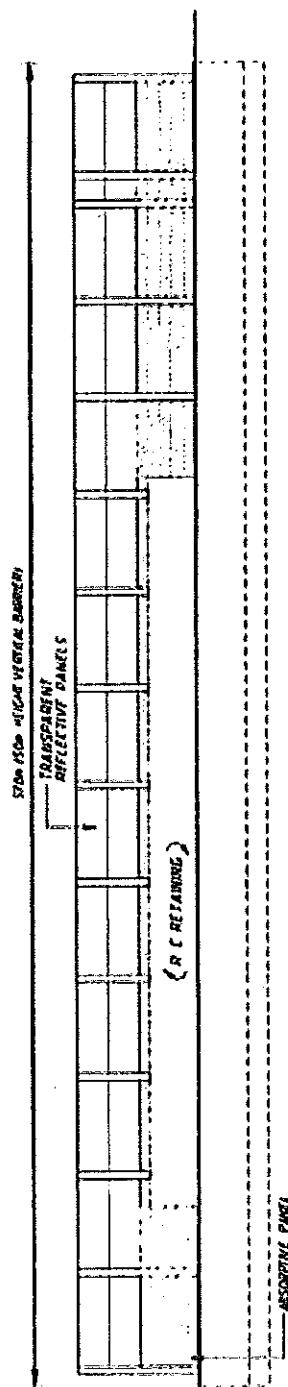


**Project Title : Sha Tin New Town-Stage II,
Road T3 and Associated
Roadworks**

Environmental Permit No.: EP-135/2002/J



VIEW B - REVISED SCHEME
1:200



VIEW B - ORIGINAL SCHEME
1:200

Figure 11 : Extent of the noise barrier segment no. 48 where absorptive panels as originally provided to a height of 2.5m above the road level are replaced by transparent reflective panels

(Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-169/2005))

Project Title : Sha Tin New Town- Stage II,
 Road T3 and Associated
 Roadworks

Environmental Permit No.: EP-135/2002/J

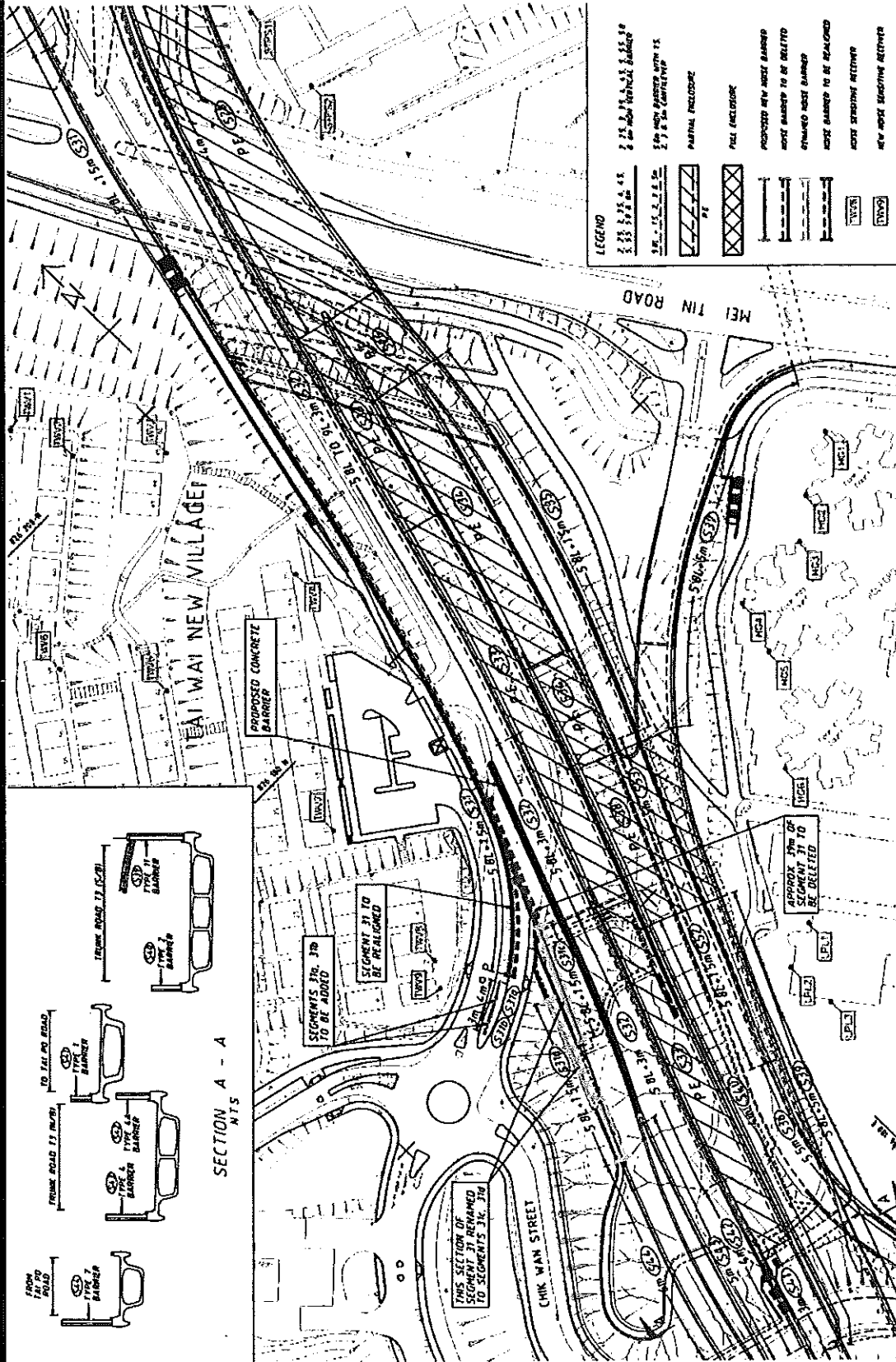


Figure 12 : Details of Noise Barriers segment nos. S31,S31a,S31b,S31c and S31d near Tai Wai New Village
(Reproduced from Drawing No.T3/SSK5223A submitted under the Application for Variation of Environmental Permit (Application No.: VEP-242/2007))

**Project Title: Sha Tin New Town -- Stage II,
Road T3 and Associated
Roadworks**

Environmental Permit No.: EP-135/2002/J

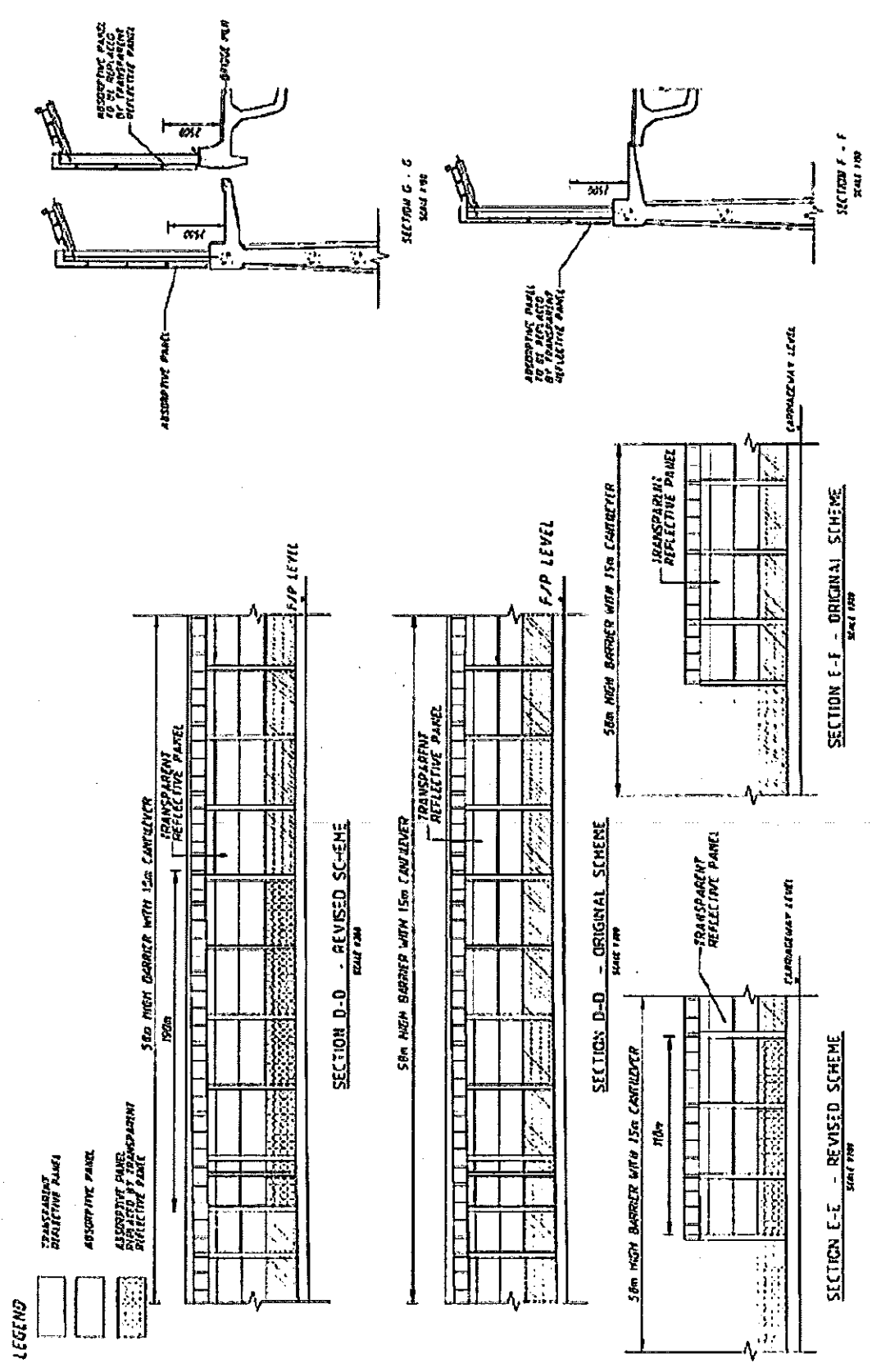


Figure 13 : Extent of the noise barrier segment no. 31c & no. 31d where absorptive panels as originally provided to a height of 2.5m above the road level are replaced by transparent reflective panels

(Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-169/2005))

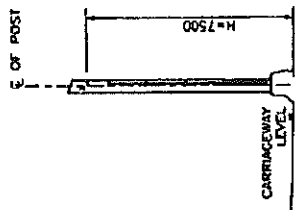
Project Title : Sha Tin New Town- Stage II,
Road T3 and Associated
Roadworks

Environmental Permit No.: EP-135/2002/J



3.0m WIDTH
(17.5m HIGH BARRIER)
VERTICAL BARRIER

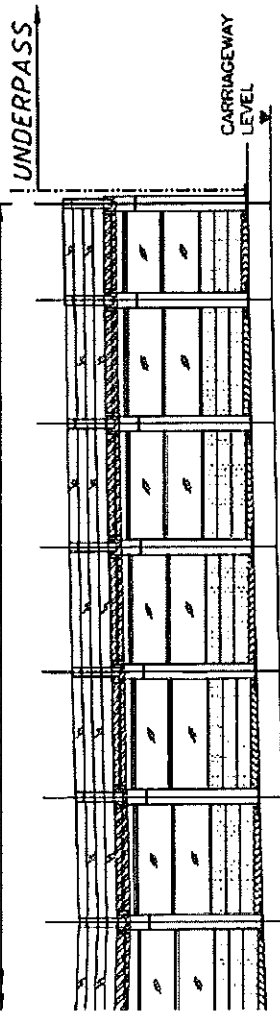
(5.8m HIGH BARRIER
WITH 5m CANTILEVER)



SECTION A-A

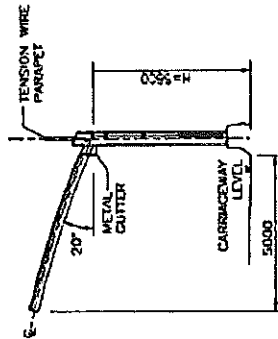
ELEVATION - REVISED SCHEME

(5.8m HIGH BARRIER
WITH 5m CANTILEVER)



ELEVATION - ORIGINAL SCHEME

(DESIGNED BY: -)



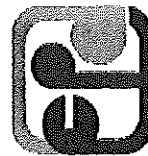
SECTION B-B

Project Title: Sha Tin New Town - Stage II,
Road T3 and Associated
Roadworks

Environmental Permit No.: EP-135/2002/J

Figure 14 : 7.5m High Vertical Noise Barrier at Segment No. 39

(Reproduced from Drawing No. T3/SSK45591A submitted under the Application for
Variation of Environmental Permit (Application No.: VEP-250/2008))



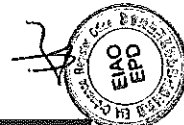
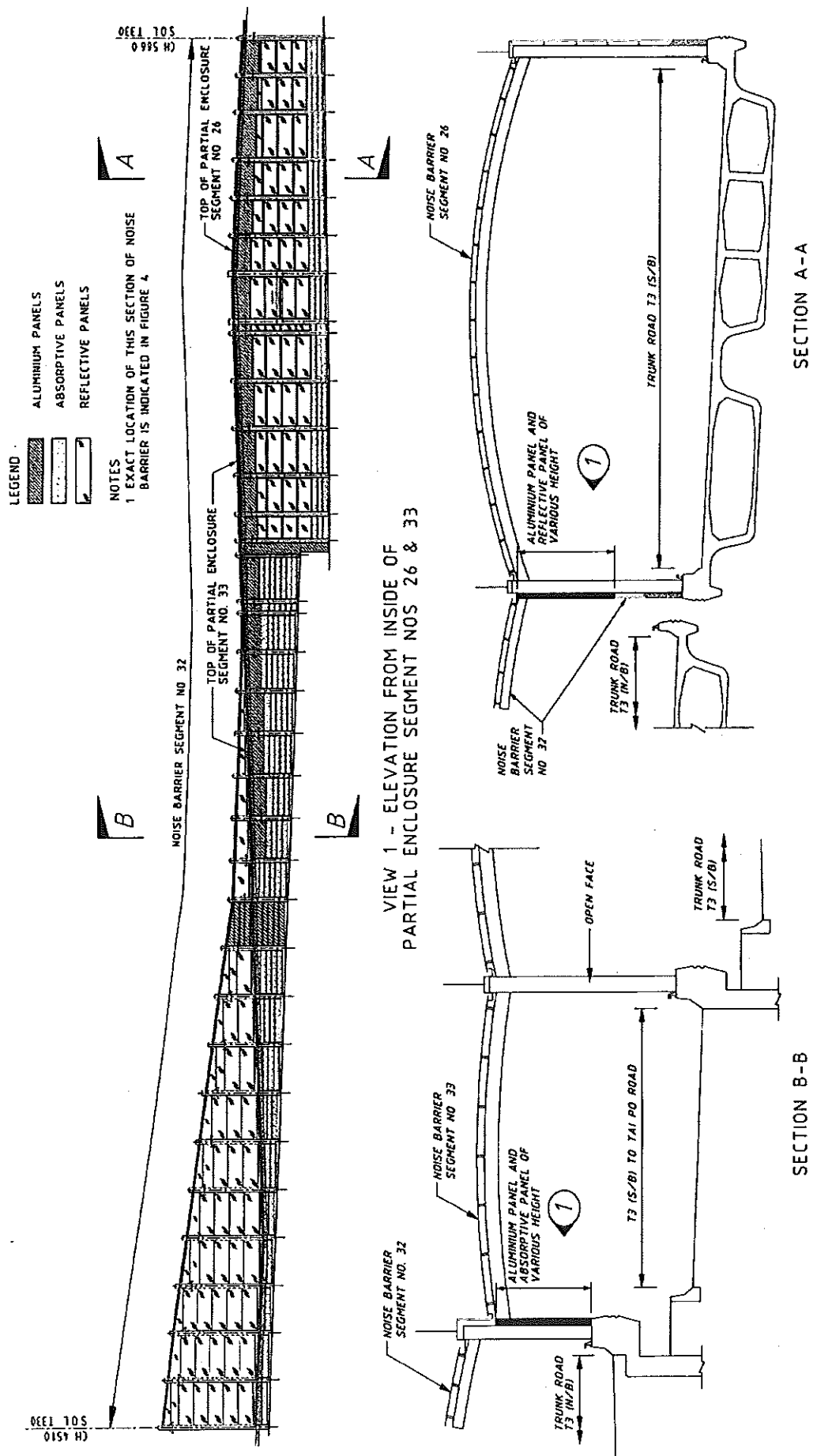


Figure 15 : Redesigned single structure for cantilever barrier no. 32 and partial enclosure segment nos. 26 & 33
(Extracted from the Application for Variation of Environmental Permit (Application No.: VEP-258/2008))

Project Title: Sha Tin New Town – Stage II, Road T3 and Associated Roadworks
Environmental Permit No.: EP-135/2002/J

DESIGNED BY -



**APPENDIX B
PART PRINT DRAWING OF SOFT
LANDSCAPE WORKS 63494/2005/C**

(Extracted from Appendix M in the agreed LVIA Report (July 2007))

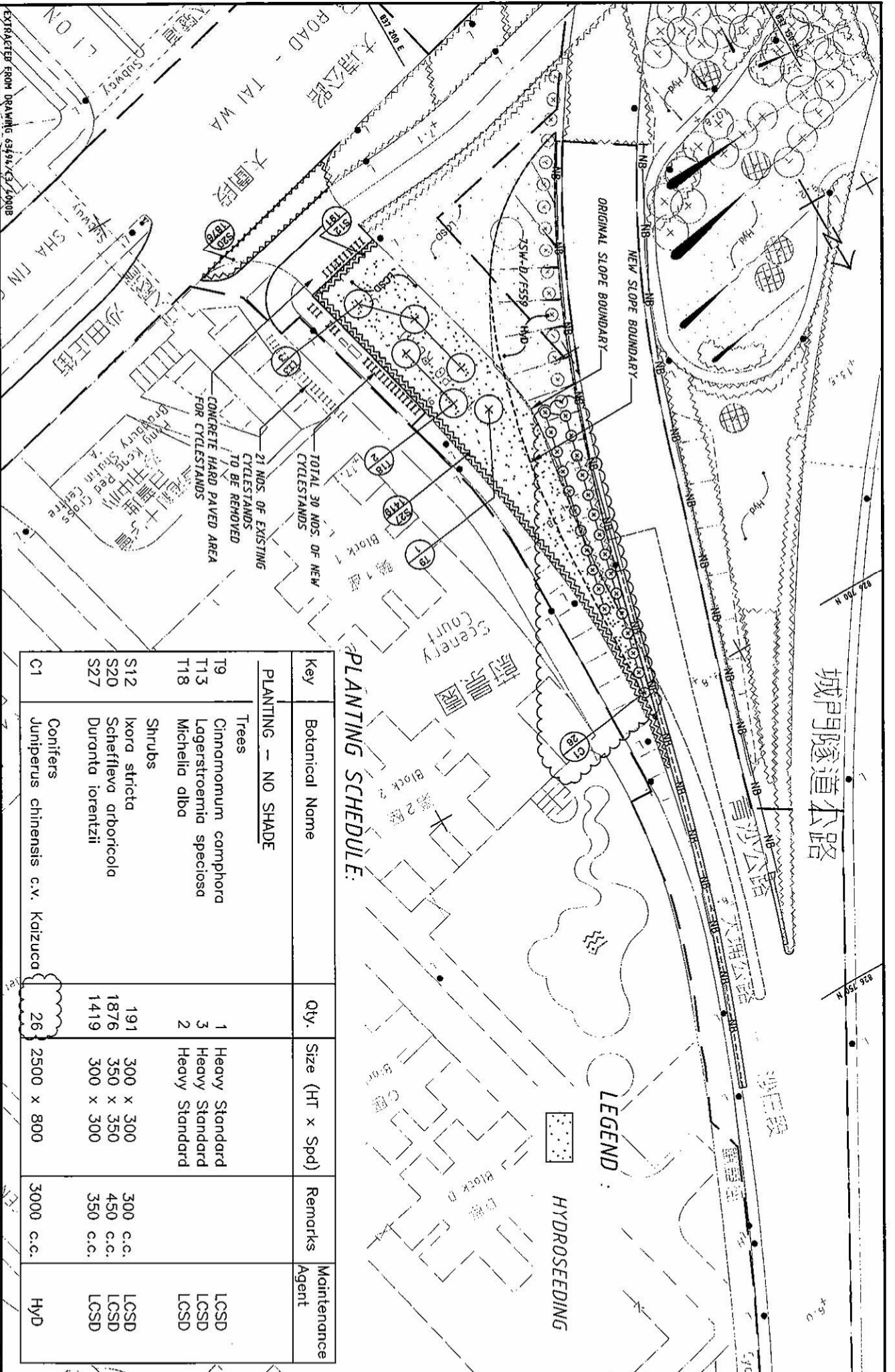
**APPENDIX C
AS-BUILT DRAWING SOFT
LANDSCAPE WORKS 63494/C3**

AECOM

SOFT LANDSCAPE AND VISUAL IMPACT LAYOUT PLAN

CONTRACT No. ST/2013/01
ROAD T3 AND ASSOCIATED ROADWORKS -
REMAINING WORKS - PHASE III

EXTRACTED FROM DRAWING 63494/C3/1000B



PLANTING SCHEDULE:

Key	Botanical Name	Qty.	Size (HT x Spd)	Remarks	Maintenance Agent
PLANTING - NO SHADE					
Trees					
T9	Cinnamomum camphora	1	Heavy Standard		LCSD
T13	Lagerstroemia speciosa	3	Heavy Standard		LCSD
T18	Michelia alba	2	Heavy Standard		LCSD
Shrubs					
S12	Ixora stricta	191	300 x 300	300 c.c.	LCSD
S20	Schefflera arboricola	1876	350 x 350	450 c.c.	LCSD
S27	Duranta iontrentzii	1419	300 x 300	350 c.c.	LCSD
Conifers					
C1	Juniperus chinensis c.v. Kaizuka	26	2500 x 800	3000 c.c.	Hyd

LEGEND



HYDROSEEDING

SCALE	1: 500 @A3	DATE	6-1-2016
OVER	KW	REVISION	EKL
DESIGN NO.	63494/C3	REVISION NO.	SSK080
REV			A

APPENDIX D
PHOTS OF LANDSCAPE WORKS

ST 2013/01

Landscape Audit Report



Photo 1



Photo 2



Photo 3



Photo 4

ST 2013/01

Landscape Audit Report



Photo 5



Photo 6



Photo 7



Photo 8

ST 2013/01

Landscape Audit Report



Photo 9



Photo 10



Photo 11



Photo 12