



中國路橋工程有限責任公司
CHINA ROAD AND BRIDGE CORPORATION



China Road and Bridge Corporation

Landscape Mitigation Plan

Contract no. KL/2014/03

Kai Tak Development – Stage 3 Infrastructure Works for
Developments at the Southern Part of the Former Runway

Prepared by : Environmental Officer
Date : 31 December 2021

	Prepared by :	Checked by:
Name	Dennis N K Ho	Dickey K K Yau
Position	Environmental Officer	Site Agent
Signature		

Date 6 January 2022

Our Ref. MCL/ED/0005/2022/C

Hyder – Meinhardt Joint Venture
20/F., AXA Tower, Landmark East,
100 How Ming Street, Kwun Tong,
Kowloon, Hong Kong

BY EMAILAttn.: Mr. Pat Lam

Dear Sir,

Contract No. KLN/2015/07**Environmental Monitoring Works for Contract KL/2014/03 – Kai Tak Development – Stage 3
Infrastructure Works for Developments at the Southern Part of the Former Runway****Environmental Permits: EP-337/2009 and EP-451/2013
Certification of Updated Landscape Mitigation Plan**

With reference to the Updated Landscape Mitigation Plan for Contract No. KL/2014/03 received, via email, from the Contractor, China Road and Bridge Corporation, on 6th January 2022 for Distributor Road D4 and Trunk Road T2 (part), we have no adverse comment on the plan and hereby certify it in accordance with EP-337/2009 Condition 2.11 and EP-451/2013 Condition 2.5.

Thank you for your attention, should there be any comments or queries, please contact our Cyrus Lai at 3565-4442 or the undersigned at 3565-4114.

Yours faithfully,
for and on behalf of
MATERIALAB CONSULTANTS LIMITED



Colin Yung
Environmental Team Leader

CY/vc/cl

c.c.	CEDD	Attn: Mr. Simon Kwok
	IEC	Attn: Mr. Y. H. Hui
	CRBC	Attn: Mr. Dickey K. K. Yau

Ref.: CEDKTDS3EM00_0_0563L.22

6 January 2022

Hyder-Meinhardt Joint Venture
17/F, Two Harbour Square,
180 Wai Yip Street, Kwun Tong
Kowloon, Hong Kong

By Post and Email

Attention: Mr. Pat Lam

Dear Mr. Lam,

**Re: Contract No. KLN/2015/08
Independent Environmental Checker for
Contract No. KL/2014/03 – Kai Tak Development – Stage 3 Infrastructure
Works for Developments at the Southern Part of the Former Runway
Updated Landscape Mitigation Plan**

Reference is made to the submission of Updated Landscape Mitigation Plan dated 6 January 2022 received via e-mail on 6 January 2022 and certified by the ET Leader (ET's ref.: MCL/ED/0005/2022/C) on 6 January 2022.

Please be informed that we have no adverse comment on the captioned submission. We hereby verify the captioned submission in accordance with Condition 2.11 of EP-337/2009 and Condition 2.5 of EP-451/2013.

Thank you for your attention. Please do not hesitate to contact us should you have any queries.

Yours sincerely,
For and on behalf of
Ramboll Hong Kong Limited

A handwritten signature in blue ink, appearing to be "Y H Hui".

Y H Hui
Independent Environmental Checker

c.c. CEDD Attn.: Mr. Simon Kwok
Fugro Attn.: Mr. Colin Yung
CRBC Attn.: Mr. Dickey Yau

Fax: 2739 0076
By e-mail
Fax: 2283 1689

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Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for
Developments at the Southern Part of the Former Runway
Submission of Landscape Mitigation Plan

C&R No.	Submission of Landscape Mitigation Plan (Response-to-comment)	Comments Received	
		Letter Ref.	Letter Dated
1.	Environmental Protection Department Branch Office	() in Ax(48) in EP 2/K19/S3/10 Pt.4	22 December 2021
2.	Environmental Protection Department Branch Office	() in Ax(48) in EP 2/K19/S3/10 Pt.3	28 July 2021

Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway
Submission of Landscape Mitigation Plan

C&R No.	Comments	Responses
	Environmental Protection Department Branch Office under () in Ax(48) in EP 2/K19/S3/10 Pt.4	
1.	Please be advised that, with the incorporation of the amendment page provided on 2 December 2021, we have no comment on the LMP. Please finalised the LMP and furnish us 4 hard copies and 1 electronic copy of the finalised LMP. The LMP will be placed in the EIAO Register for public information. Please also upload the LMP to your project website(s)	This LMP has been finalised with incorporation of amendment page for Figure A11 (provided by HMJV to EPD via email on 2 December 2021). The LMP will be uploaded to project website.
C&R No.	Comments	Responses
	Environmental Protection Department Branch Office under () in Ax(48) in EP 2/K19/S3/10 Pt.3	
	I refer to the Engineer's Representative (HMJV)'s letter (reference: KL/2014/03/M45/100/7282 dated 12 March 2021 submitting the updated Landscape Mitigation Plan for the captioned Contract under Condition 2.11 of the Environmental Permit No. EP-337/2009 and Condition 2.5 of Environmental Permit No, EP-451/2013. Having reviewed the submission and consulted the Director of Planning, we consider the submission has not yet complied with the captioned EP conditions. Our comments on the submission are enclosed in Annex I for your follow up.	
	<u>General Comments</u>	
1.	It is understood that the submission covers part of Road D4 which should be covered by Permit No. EP-337/2009 (Register No. AEIAR-130/2009) and a small portion of Trunk Road T2 which should be covered by Permit No. EP-451/2013 (Register No. AEIAR-174/2013). The extent of the corresponding EP covered area should be clearly indicated on plan for reference.	Please find the extent of the works for part of Road D4, covered under Permit No. EP-337/2009 (Register No. AEIAR-130/2009) and construction of a small portion of Trunk Road T2 (Supporting Underground Structure), covered under Permit No. EP-451/2013 (Register No. AEIAR-174/2013) marked on plans in Appendix A - Figures A1 and A2.

Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway
Submission of Landscape Mitigation Plan

C&R No.	Comments	Responses
2.	The submission has not yet complied with Condition 2.11 of EP-337/2009 and Condition 2.5 of EP-451/2013, since there is insufficient information to demonstrate conforming to the mitigations contained in the approved EIA Reports (Register No. AEIAR-130/2009 and AEIAR-174/2013). Information and consideration related the concerned EP conditions should be reflected / elaborated by relevant landscape drawings in the submission. As per our previous comments to other portion of Kai Tak Development (KTD), The Environmental Team Leader (ET) and Independent Environmental Checker (IEC) should critically review the contents before formal submission. The IEC and ET are reminded to duly exercise their duties in accordance to EP Condition 1.9 of the EPs.	Noted. The description of all the measures are provided under Section 3 of the plan. The measures addressing Condition 2.11 of EP-337/2009 is addressed in Table 3.2 while Condition 2.5 of EP-451/2013 is addressed in Table 3.3 of the submission. Relevant landscape drawings are supplemented with annotation showing mitigation measures adopted.
3.	The Permit Holder should arrange the LMPs to relate to / compare with the corresponding AEIARs, i.e. Figure 13.6 and Figure 13.6.2 of AEIAR-130/2009 and Figure 9.11.2 of AEIAR-174/2013, etc.	The comparison with the corresponding AEIARs are shown in Appendix A - Figures A10 and A11.
4.	The currently submitted LMPs in A4 is small and unclear. LMPs should be presented in suitable scale with blow up plans, sections and typical details where appropriate. Respective Landscape Mitigation Measures (LMMs) should be annotated on all relevant drawings to demonstrate the provisions of landscape mitigation measures and the effectiveness of planting proposal for alleviation of impacts.	Please find the attached LMPs in A3 size with blow up plans, section and typical details for your information. LMMs are also annotated on relevant drawings as shown in Appendices A to F.
5.	Tables 3.2 and 3.4: To serve as an implementation schedule of mitigation measures recommended in the submission, please include columns stating the location (by referring to relevant drawing), implementation party, maintenance party and implementation timing of the respective mitigation measures.	Noted. The schedule of mitigation measures is revised as shown in Tables 3.2 and 3.3.
	<u>Specific comments for Condition 2.11 of Environmental Permit No. EP-337/2009:</u>	
	<i>CM1 – All existing trees should be carefully protected during construction</i>	
6.	Tree protection plan is missing.	Please find the blow up of tree protection plan as shown in Appendix B Figures B1 to B2.

C&R No.	Comments	Responses
7.	As indicated in Table 3.2 "Summary Table of Landscape and Visual Mitigation Measure's implemented in accordance with the Landscape Mitigation Plan deposited under Condition 2.11 of EP-337/2009", 117 trees will be compensated. However, only 109 nos. of trees will be planted as indicated in Dwg. 6002240S/SK/1700 - Planting Schedule of Appendix A, and as illustrated in Dwg. 6022408/SK/1701-1703 - Tree Planting Plan, total 112 nos. of new trees is shown on plan. Inconsistencies of information should be rectified.	Please be clarified that the 109 numbers of trees will be compensated. The report and corresponding drawing no.60022408/SK/1703 have been revised accordingly in Appendix A - Figure A5.
	<i>CM2 - Tree unavoidably affected by the works should be transplanted where practical</i>	
8.	The Permit Holder should clarify whether there is any proposed transplant trees within the concerned extent of works and submit relevant information for review.	Please be clarified that no tree would be transplanted in the concerned area under this report.
	<i>OM1 - Compensatory tree planting should be incorporated into the proposed projects where trees are affected:</i>	
	<i>OM2 - Tall buffer screen tree/ shrub/climber planting, vertical green and roof greening where appropriate should be incorporated to soften hard engineering structures and facilities;</i>	
	<i>OM4 - Structure ornamental tree/ shrub/climber planting should be provided along roadside amenity strips and central dividers to enhance the townscape quality, where space is available</i>	
9.	When compared with Fig. 13.6.3 of AEIAR-130/2009, tree and shrub planting in the central median is not observed. Justification for possible design change and alternative landscape treatment, where appropriate, should be presented in the submission. Besides, the updated no. of new tree planting should be clearly indicated in the submission.	Please be clarified that shrub would be provided in the central median at Road D4. Due to the space limitation of central median at Shing Cheong Road, Cheung Yip Street and Kai Tak Bridge Road, no tree would be provided in the central median of the concerned area. For the latest tree planting plan of Shing Cheong Road, Cheung Yip Street and Kai Tak Bridge Road, please find the attached Appendix A - Figure A3 to A5 for your information.

Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway
Submission of Landscape Mitigation Plan

C&R No.	Comments	Responses
10.	Typical details showing the minimum clear soil depth with proper drainage for different types of plantings should also be provided to demonstrate the sustainability of planting.	Please refer to the typical details of minimum clear soil depth and drainage at planter are shown in Appendix A - Figure A12.
	<i>OM5 -Aesthetically pleasing design as regard to the form, material and finishes shall be. incorporated to all buildings. engineering structures and associated infrastructure facilities</i>	
11.	The Permit Holder should clarify if there is any building, engineering structure and associate facility for this EP submission. If affirmative, it is advised to provide a list of the above ground buildings/ structures associated infrastructure facilities and the corresponding aesthetic consideration, such as proposed materials, finishes, colours etc., preferably presented in table for clarity.	Please be clarified that there is no building, engineering structure and associate facility for Road D4 (part) in this submission under EP no. EP-337/2009.
	Specific comments for Condition 2.5 of Environmental Permit No. EP-451/2013	
12.	It is noted that a separate submission of Landscape Mitigation Plan for Trunk Road T2 (whole section) under EP condition 2.5 of EP-451/2013 was submitted by other party and our pervious comments on the concerned EP submission should generally be applicable for the whole project Trunk Road T2.	Noted. As Contract No. KL/2014/03 only covers small portion of Trunk Road T2 (Supporting Underground Structure), and the landscape works for Trunk Road T2 would be covered under Contract No. ED/2018/04. Thus comments in OM1, OM2, OM3 and OM5 given in letter ref. () in EP2/K2/A/21 pt.7 dated 6 July 2020 related to landscape works of Trunk Road T2 would be covered under Contract No. ED/2018/04.
13.	For the current EP submission. no clear extent and supporting information for the part of Trunk Road T2 is indicated. The extent of work covering by this EP should be clearly indicated on plans with supporting information for our further review.	The extent of works covering by this EP submission is shown in Appendix A - Figures A1 and A2 for your information.

Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway
Submission of Landscape Mitigation Plan

C&R No.	Comments	Responses
14.	Table 3.4 "Summary Table of Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan according to Condition 2.5 of EP-451/2013", majority of the information is not related to this EP covering but simply duplicated with those presented for area under EP-337/2009. Revision of this section should be carried out.	Noted. Since this report only covers part of Trunk Road T2 (i.e. Supporting Underground Structure under Contract No. KL/2014/03), the Landscape Mitigation Plan covering Trunk Road T2 (whole section) will be submitted separately under Contract No. ED/2018/04 for EP no. EP-451/2013.
	Advisory comment for improvement	
15.	As per our previous comment for other parts of Distributor Roads for KTD. it is noted that the captioned submission is for part of Road D4 only. while other portions of the Distributor Roads should be submitted for comments once available, or as-built drawings were already submitted for some parts of Distributor Roads (e.g. Road D1 and D2 etc.). For easy reference and proper record. the Permit Holder is advised to indicate the currently submitted portion of work together with the tentative status of other portions on a key plan.	Please find the summary of status for Road D1 to Road D4 in the Appendix A Figure A13 for your information.
16.	The Permit Holder is also reminded that comments on this portion of works should generally be applicable to the remaining portions for 'DP1-Distributor Roads'.	Noted.
	Other advisory remarks	
17.	For any proposed tree preservation / removal application including compensatory proposal. the Permit Holder shall be reminded to approach relevant authority / government department(s) direct to obtain any necessary approval.	Noted.
18.	To foster a visually cohesion identity, the design on streetscape (e.g. paver) and all buildings/ engineering structures/ associated infrastructure facilities may make reference to the Kai Tak Brand Identify Manual and Public Creative Guidelines.	Noted. The street furniture with Public Creative Design have been incorporated in this Contract with details shown in Appendix G - Figures G1 to G4.

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Appendix A – Works Extent of Contract No. KL/2014/03 And Landscape Design Drawings for Road D4 (Part)

Appendix B – Tree Survey Detail Plan

Appendix C – Paving Layout

Appendix D – Hoarding Layout Plan

Appendix E – Tree Survey Schedule

Appendix F – Lighting Layout

Appendix G – Design for Public Creatives Furniture

1. Introduction

This plan presents a landscape and visual impact assessment and mitigation measures during construction and operational phase of this project, Contract no. KL/2014/03 Kai Tak Development – Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway, and the Works to be executed under this Contract include the following major items:

- a) Construction of approximately 420m long supporting underground structure (SUS) including diaphragm walls, barrettes, top and bottom slabs, end walls and adits underneath Shing Cheong Road and Cheung Yip Street;
- b) Widening and re-alignment of Cheung Yip Street of approximately 330m long and associated footpaths;
- c) Demolition, reconstruction and widening of Shing Cheong Road of approximately 410m long and associated footpaths;
- d) Construction of drainage outfall and modification of existing seawall;
- e) Demolition of existing RADAR Tower and guard house;
- f) Construction of two subways between Phase II of New Acute Hospital (Site A) and Hong Kong Children's Hospital (Site C), and between Phase I of New Acute Hospital (Site B) and Site C;
- g) Construction of District Cooling System (DCS) along Cheung Yip Street and Shing Cheong Road;
- h) Construction of ancillary works including surface drainage, sewerage, water, fire-fighting, street lighting, street furniture, road marking, road signage, utilities and services, irrigation and landscape works; and
- i) Other Works which are shown on the Drawings or Specifications or which may be ordered in accordance with the Conditions of Contract.

The works extent of Road D4 (part) and Trunk Road T2 (part) under Contract No. KL/2014/03 are demonstrated in Figure A1 and Figure A2. It covers the landscape and visual impact assessment and mitigation measures for the construction and operation of distributor road Road D4 (part) under EP-337/2009 and a supporting underground structure of about 0.4 km long under EP-451/2013. The status of Landscape Mitigation Plan and as-built drawing submission for EP-337/2009 is summarized in Figure A13.

2. Objective

With reference to EP-451/2013 Part C section 2.5 and EP-337/2009 Part C Section 2.11, a Landscape Mitigation Plan is required to be submitted to the director of EPD. The Plan is to identify the landscape and visual impacts rise during the construction and operation phases

of this project, and to ensure that proposed landscape and visual impact mitigation measures are effectively implemented according to the EM&A requirements.

The Landscape Mitigation Plan under EP-451/2013 (Trunk Road T2) shall include, but not limited to, the design of the tunnel portals and all above ground structures to ensure that the elements with color, texture and tonal quality are compatible to the existing urban context. Also trees and shrub planting to minimize the potential adverse landscape and visual impacts shall be included where space permits. Roof top greening and vertical greening plan shall also be provided.

The Landscape Mitigation Plan under EP-337/2009 (Distributor Road Road D4) shall include, a) Compensatory tree planting shall be incorporated into the Project where trees are affected. b) Tall buffer screen tree/shrub/climber planting shall be incorporated to soften hard engineering structures and facilities. c) Sensitive streetscape design shall be incorporated along the new roads to reflect the new urban development at Kai Tak. d) Structure, ornamental tree/shrub/climber planting shall be provided along roadside amenity strips and central dividers to enhance the townscape quality, where space is available. e) Aesthetically pleasing design as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities.

3. Mitigation Measures

3.1 Proposed Design Measures for the Distributor Road Road D4 and Trunk Road T2 (part)

As the majority of trunk road T2 will be in tunnel, landscape and visual design will be concentrated on tunnel portals and three buildings at the western end, namely the Ventilation and Tunnel Portal Buildings. The solely design measure incorporated in layout and design of the trunk road T2 relevant to this project is –

- Provide depression and tunneling of roads in order to reduce the visual impact and improve the landscape quality of the environment at ground level.

The distributor road Road D4 form part of the KTD and their alignments are formulated under the development and urban design frameworks for KTD. Proposed Design Measures incorporated in layout and design of the distributor road is described below.

Aesthetic Pleasing Design of Roads and Streetscapes

Roads and Streetscapes are potentially significant detractors to both the landscape and visual amenity of KTD. In order to minimize the impacts which they may cause, a series of measures have been incorporated in the development layout. These include:

- Creation of a pleasant pedestrian environment with sympathetic landscape treatments for the road networks within the site,
- Provision of road side planting, in particular trees, along all new distributor and local road where possible and practicable,
- Minimization the extent of utility reserves within pavement,

Landscape Mitigation Plan

Provision of Compensatory Planting

As new planters will be constructed along the new distributor road Road D4, it will provide opportunity for the compensation to the loss of any planting disturbed by the works. 109 trees will be planted for distributor road Road D4 in accordance with the planting schedule.

3.2 Summary Table of Landscape and Visual Mitigation Measures implemented in accordance with the Landscape Mitigation Plan deposited under Condition 2.11 of EP-337/2009

Table 3.2 - Landscape and Visual Mitigation Measures during Construction Phase for Condition 2.11 of Environmental Permit No.EP-337/2009					
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation / Maintenance Party	Implementation Timing
CM1	All existing trees should be carefully protected during construction	Existing trees within the site area of the proposed Road D4 (part) will be protected.	The project area where appropriate (Drawings for tree protection plan are attached in Appendix B Figures B1 to B2).	The Contractor	During Construction Stage
CM2	Trees unavoidably affected by the works should be transplanted where practical. Details transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBC 2/2004 and 3/2006. Final locations of transplanted trees should be agreed prior to commencement of the work	None of the tree would be transplanted. Further to the conducted tree survey enclosed in Appendix B, 44 nos. of trees are in poor condition and proposed to be felled, while 20 nos. of trees are proposed to be retained. Total 109 nos. of trees will be compensated and the detailed planting proposal is shown in Appendix A.	N/A	N/A	N/A
CM3	Control of night-time lighting	The working hour is from 08:00 to 18:00. No night-time work is	The project area where appropriate	The Contractor	Night-time lighting will be controlled

Landscape Mitigation Plan

Table 3.2 - Landscape and Visual Mitigation Measures during Construction Phase for Condition 2.11 of Environmental Permit No.EP-337/2009					
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation / Maintenance Party	Implementation Timing
		allowed for the construction of Road D4 (part). Lanterns used for temporary traffic arrangement will be placed at regular intervals as recommended in Code of Practice for the Lighting, Signing and Guarding of Road Works. No other source of lighting will be set up at Site to avoid lighting pollution and glare.			during construction stage
CM4	Erection of decorative screen hoarding	Hoarding with beautification works were proposed along the site boundary of the Contract at certain locations facing visual sensitive receivers.	The project area where appropriate. The hoarding layout plan is shown in Appendix D Figures D1 to D3 and design is illustrated in Figure D4	The Contractor	Hoarding will be erected during construction stage

Landscape Mitigation Plan

Table 3.2 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.11 of Environmental Permit No.EP-337/2009						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
OM1	Compensatory tree planting should be incorporated into the proposed projects where trees are affected	Compensatory tree planting was incorporated into the project	The project where appropriate (Appendix A Figures A3 to A5)	The Contractor	HyD / LCSD	Compensatory tree planting will be carried out prior to operation stage.
OM2	Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities	Various types of tall buffer screen trees and shrubs were proposed along the footpath and central divider of Road D4 (part).	The project where appropriate (Appendix A Figures A3 to A8)	The Contractor	LCSD	Proposed planting will be planted after completion of construction works or prior to operation stage.
OM3	Sensitive streetscape design should be incorporated along	Streetscape design (soft and hard landscaping) was incorporated in the project.	The project where appropriate (Appendix C Figures C1 to C4	The Contractor	HyD / LCSD	This mitigation measure will be implemented at

Landscape Mitigation Plan

Table 3.2 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.11 of Environmental Permit No.EP-337/2009						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
	all new roads to reflect the new urban development in Kai Tak		and Appendix G Figures G1 to G4)			design and construction stage.
OM4	Structure, ornamental tree / shrub / climber planting should be provided along roadside amenity strips and central dividers to enhance the townscape quality, where space is available	At Shing Cheong Road and Kai Tak Bridge Road, various types of trees and shrub, ornament lightings were proposed along the roadside amenity strips to enhance the townscape quality. However, tree would not be provided along the central divider due to the high maintenance cost as stipulated in Chapter 4 of Street Tree Selection Guide. The reason is discussed in Appendix A Figure A3.	The project where appropriate (Appendix A Figures A3 to A8), and Figure A12 for the detail of soil mix and drainage system of the planting)	The Contractor	HyD / LCSD	Proposed planting will be planted after completion of construction works or prior to operation stage

Landscape Mitigation Plan

Table 3.2 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.11 of Environmental Permit No.EP-337/2009						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
		<p>At Cheung Yip Street, as New Acute Hospital (NAH) project team proposed to construct a right turn opening at central median at Cheung Yip Street, the central divider with trees, shrub, and ornament lighting was replaced by hard landscape with paving blocks. And granite paving block with colour variation would be adopted to enhance the visual quality of the Cul-de-Sac. The reason is discussed in Appendix A Figure A4.</p> <p>For the comparison for the abovementioned amendment, please refer to</p>				

Landscape Mitigation Plan

Table 3.2 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.11 of Environmental Permit No.EP-337/2009						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
		Appendix A Figures A9 and A10.				
OM5	Aesthetically pleasing design as regard to the form, material and finishes should be incorporated to all buildings, engineering structures and associated infrastructure facilities	No building, engineering structure and associated infrastructure facilities would be constructed under Contract No. KL/2014/03, only aesthetic pleasing design (e.g. paving blocks at footpath with aesthetically pleasing paving patterns) was proposed at roadside footpaths.	The project where appropriate (Appendix C Figures C1 to C4)	The Contractor	HyD	This mitigation measure will be implemented at design and construction stage.
OM6	Control of Operation Night-time Glare	Type D4 road lightings at central divider and type H1 footpath lightings along road D4 in order to control the operation night-time glare.	The project where appropriate (Appendix F Figures F1 to F3)	The Contractor	HyD	This mitigation measure will be implemented at design and construction stage.

Remark: Trees to be felled and compensated will comply with the requirements as specified in government technical circular ETWB TCW no. 3/2006.

3.3 Summary Table of Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan according to Condition 2.5 of EP-451/2013

Table 3.3 - Landscape and Visual Mitigation Measures during Construction Phase for Condition 2.5 of Environmental Permit No.EP-451/2013					
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation / Maintenance Party	Implementation Timing
CM1	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.	Existing trees within the site area of the proposed Trunk Road T2 (part) will be protected.	The project area where appropriate (Drawings for tree protection plan are attached in Appendix B Figures B1 to B2).	The Contractor	During Construction Stage
CM2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted	No transplanting works within the Site.	N/A	N/A	N/A
CM3	N/A	N/A	N/A	N/A	N/A
CM4	N/A	N/A	N/A	N/A	N/A
CM5	Large temporary stockpiles of excavated material shall be	Keep sufficient stock of impervious sheeting for covering	The project where appropriate	The Contractor	The sheeting for covering

Table 3.3 - Landscape and Visual Mitigation Measures during Construction Phase for Condition 2.5 of Environmental Permit No.EP-451/2013					
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation / Maintenance Party	Implementation Timing
	covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	stockpiles of dusty materials, and to create a neat and tidy visual appearance. Green color impervious sheeting will be used to ensure visually unobtrusive.			stockpiles would be implemented during the Construction Stage
CM6	Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.	Maintain good housekeeping to minimize waste production, reuse and recycling the segregate C&D waste and properly fencing the building material at site, and to create a neat and tidy visual appearance.	The project where appropriate	The Contractor	During Construction Stage
CM7	Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.	Hoarding with beautification works were proposed along the site boundary of the Contract at	The project area where appropriate. The hoarding layout plan is shown in Appendix D Figures D1 to D3	The Contractor	Hoarding will be erected during construction stage

Table 3.3 - Landscape and Visual Mitigation Measures during Construction Phase for Condition 2.5 of Environmental Permit No.EP-451/2013					
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation / Maintenance Party	Implementation Timing
		certain locations facing visual sensitive receivers.	and design is illustrated in Figure D4		
CM8	All lighting in construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residences and GIC user. The contractor shall consider other security measures, which shall minimize the visual impacts.	The working hour is from 08:00 to 18:00. No night-time work is allowed for the construction of Trunk Road T2 (part). Lanterns used for temporary traffic arrangement will be placed at regular intervals as recommended in Code of Practice for the Lighting, Signing and Guarding of Road Works. No other source of lighting will be set up at Site to avoid lighting pollution and glare.	The project where appropriate	The Contractor	Night-time lighting will be controlled during construction stage

Table 3.3 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.5 of Environmental Permit No.EP-451/2013						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
OM1	Compensatory tree planting shall be incorporated along roadside amenity areas affected by the construction works. The required numbers of compensatory trees shall follow the requirements of ETWB TCW No. 3/2006.	The compensatory tree planting is out the scope of works of Contract No. KL/2014/03. The detailed compensatory tree planting plan of Trunk Road T2 would be submitted by separated submission under Contract No. ED/2018/04.	Refer to separate submission under Contract No. ED/2018/04			
OM2	Compensatory tree planting shall be incorporated by the project. The required numbers of compensatory trees shall the requirements of ETWB TCW No. 3/2006. Loss of amenity area adjacent to the Kwun Tong By-pass and planting areas in	The compensatory tree planting creation of the Kai Tak Apron (Amenity Area) is outside the scope of works of Contract No. KL/2014/03. The details of compensatory tree planting and creation of	Refer to separate submission under Contract No. ED/2018/04			

Landscape Mitigation Plan

Table 3.3 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.5 of Environmental Permit No.EP-451/2013						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
	KTD South Apron will be mitigated by the creation of the Kai Tak South Apron: Amenity Area, which will be equal to or larger than the current provision.	Kai Tak Apron would be submitted by separated submission under Contract No. ED/2018/04.				
OM3	Trees, shrubs and climbers shall be planted to soften and screen proposed roads, central medians and associated structures, and to enhance streetscape greening.	None of trees, shrubs and climbers would be planted in the supporting underground structure under Contract No. KL/2014/03. The trees, shrub and climbers plan would be submitted by separated submission under Contract No. ED/2018/04.	Refer to separate submission under Contract No. ED/2018/04			

Table 3.3 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.5 of Environmental Permit No.EP-451/2013						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
OM4	All works areas, excavated areas and disturbed areas for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with landscape treatment and to the satisfaction of the relevant Government department.	All works areas, excavated areas and disturbed areas for tunnel construction and temporary road diversion or other proposed works will be reinstated with landscape treatment.	The project where appropriate (Appendix A Figures A3 to A8), and Figure A11 for the detail of soil mix and drainage system of the planting)	The Contractor	HyD	The reinstatement would be implemented during construction stage
OM5	Tunnel portals and all above ground structures shall be sensitively designed to ensure the element with colour, texture and tonal quality being compatible to the existing urban context. Trees and shrub planting to minimize the	The construction of tunnel portals is outside the scope of Contract No. KL/2014/03. The design of tunnel portals and above ground structures would be submitted by separated submission	Refer to separate submission under Contract No. ED/2018/04			

Landscape Mitigation Plan

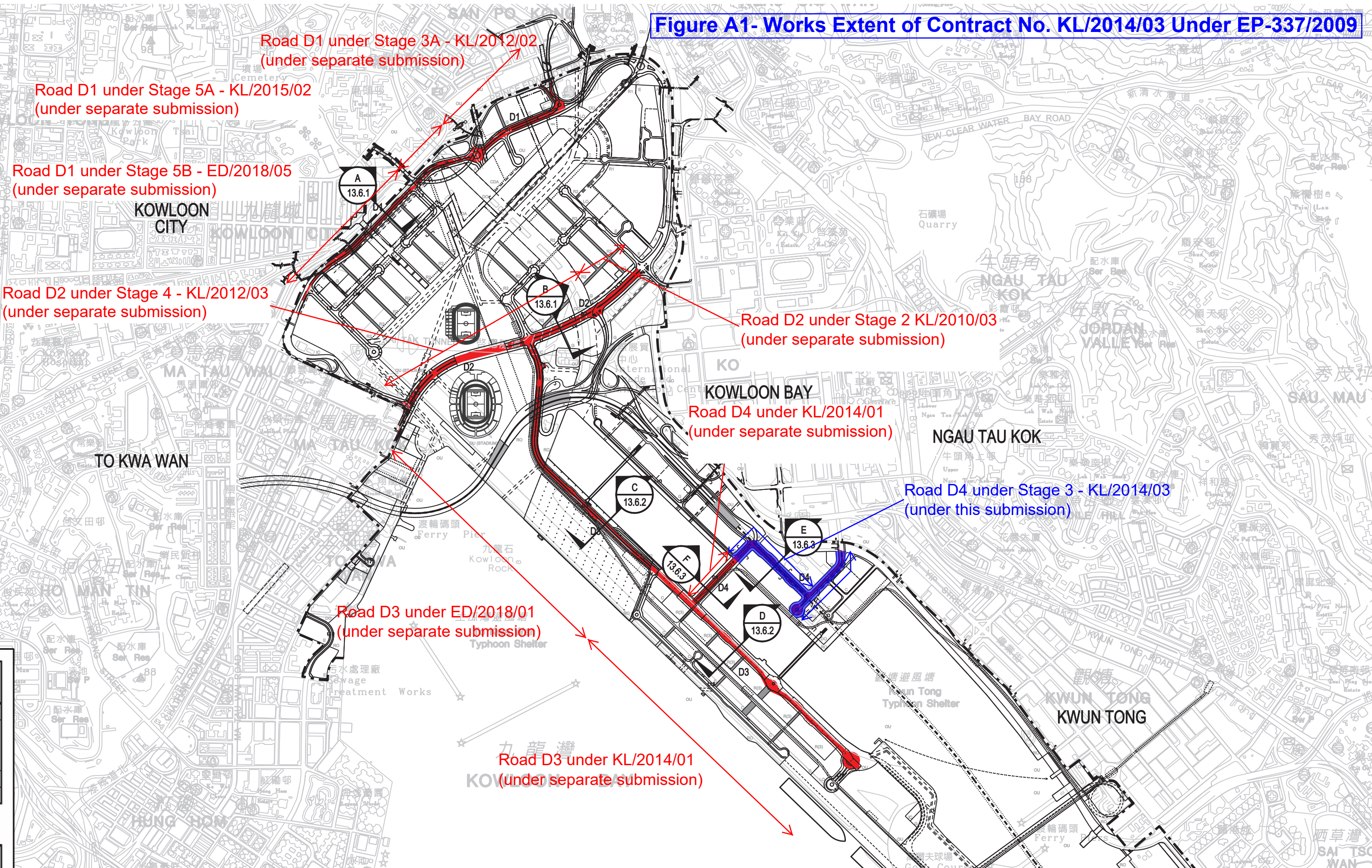
Table 3.3 - Landscape and Visual Mitigation Measures during Operation Phase for Condition 2.5 of Environmental Permit No.EP-451/2013						
Construction Mitigation Reference	Suggested Landscape and Visual Mitigation Measures	Landscape and Visual Mitigation Measures adopted in the Landscape Mitigation Plan	Location of the Mitigation Measure	Implementation Party	Maintenance Party	Implementation Timing
	potential adverse landscape and visual impacts shall be included where space permits. Roof top greening and vertical greening shall also be provided.	under Contract No. ED/2018/04.				

Remark: Trees to be felled and compensated will comply with the requirements as specified in government technical circular ETWB TCW no. 3/2006.

Appendix A

Works Extent of Contract No. KL/2014/03 And Landscape Design Drawings for Road D4 (Part)

Figure A1- Works Extent of Contract No. KL/2014/03 Under EP-337/2009



Remarks

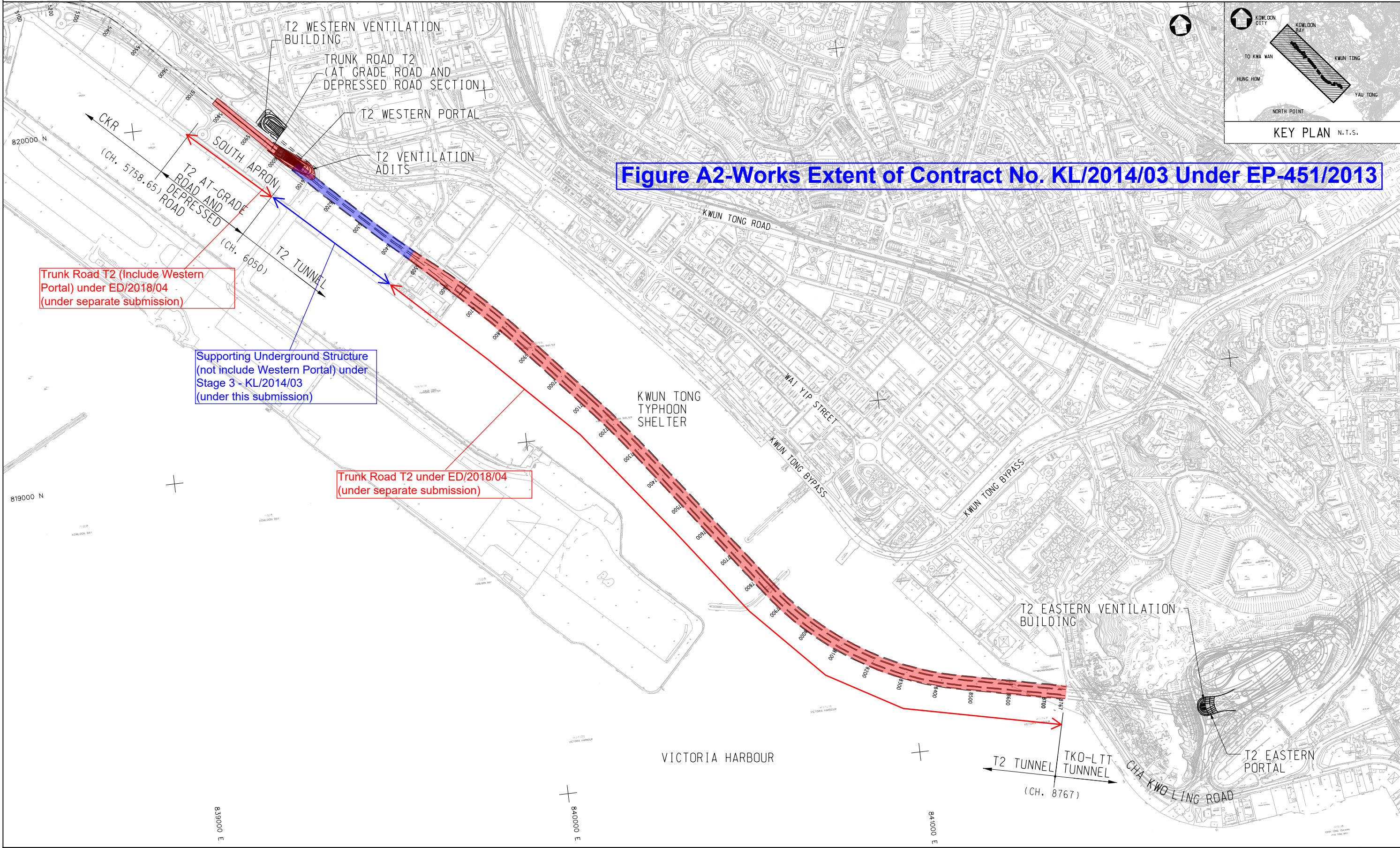


Figure A2-Works Extent of Contract No. KL/2014/03 Under EP-451/2013

PRINTED BY: mlhk562
1/21/2013
2:40:31 PM

Drawing title			Original Size	A3	Scale	1 : 10000	Date	17/JAN/2013
GENERAL LAYOUT PLAN			© Copyright reserved		File name		FIGURE 1.1.dgn	
Rev.	Description	Date			Drawing No.		FIGURE 1.1	
							Rev.	
							—	

OM1 - Compensatory tree planting should be incorporated into the proposed projects where trees are affected

OM2 - Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities

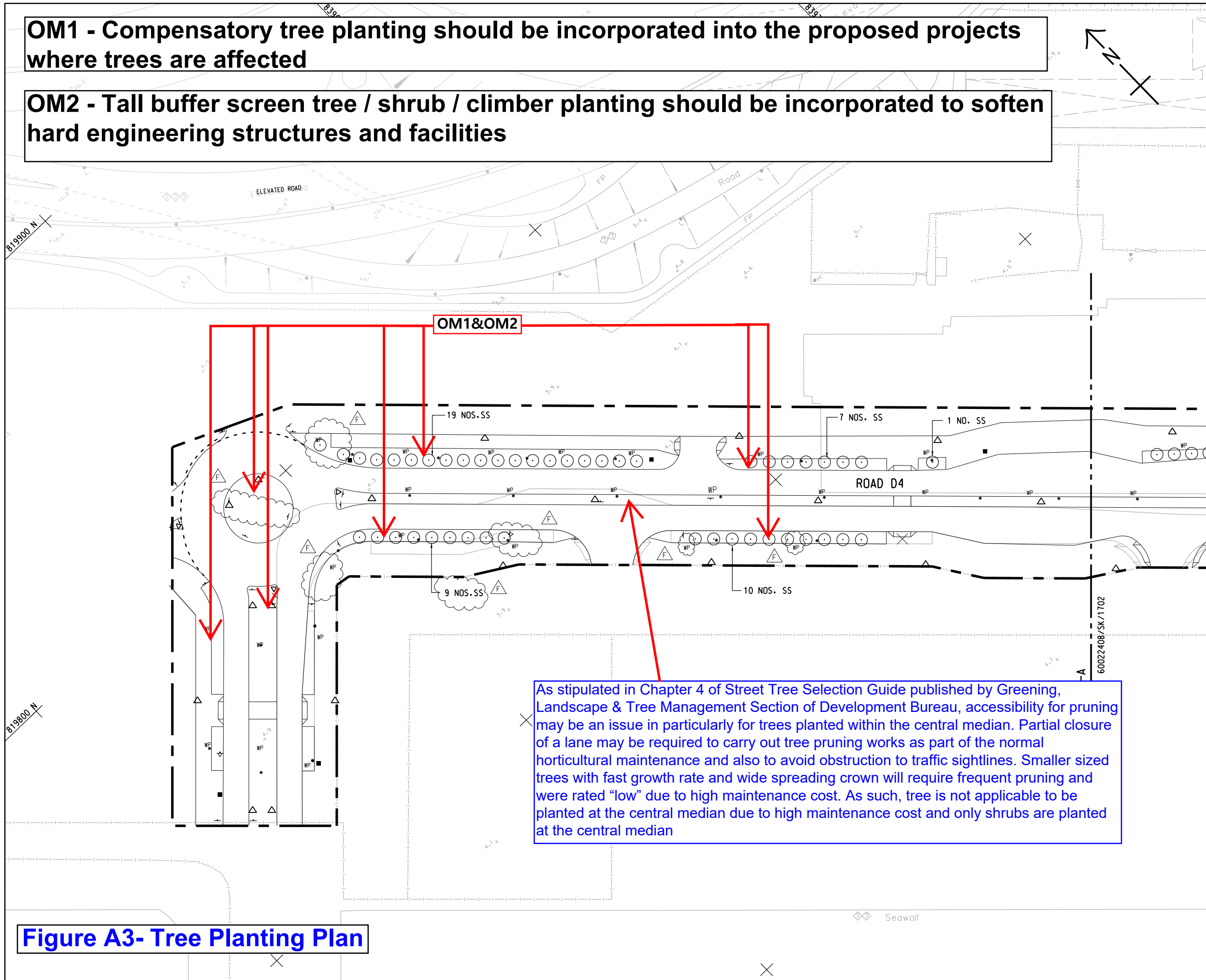


Figure A3- Tree Planting Plan

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60022408/SK/1702 AND 1703.
- DETAILS OF STRUCTURAL SOIL REFER LANDSCAPE PARTICULAR SPECIFICATION.

LEGEND:

- TREES
- LIGHTING
- FIRE HYDRANT
- WATER POINT
- TRAFFIC SIGN
- DIRECTION SIGN
- BOLLARD

Rev.	Date	Drawn	Description	Checked	Approved
F	MAR 2021	PS	GENERAL REVISION	JC	PL
E	JAN 2020	PS	GENERAL REVISION	JC	PL
D	AUG 2019	PS	GENERAL REVISION	PL	CW
C	MAY 2019	PS	GENERAL REVISION	PL	CW
B	APR 2019	PS	GENERAL REVISION	PL	CW
A	FEB 2018	PS	GENERAL REVISION	PL	CW
-	DEC 2017	PS	GENERAL REVISION	PL	CW

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East Development Office

PROJECT

CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

TITLE

TREE PLANTING PLAN

SHEET 1 OF 3

DESIGNED	KWM	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1	STATUS	REV
A1 1 : 500 A3 1 : 1000	DETAILED DESIGN	F

SITE SKETCH No.

60022408/SK/1701

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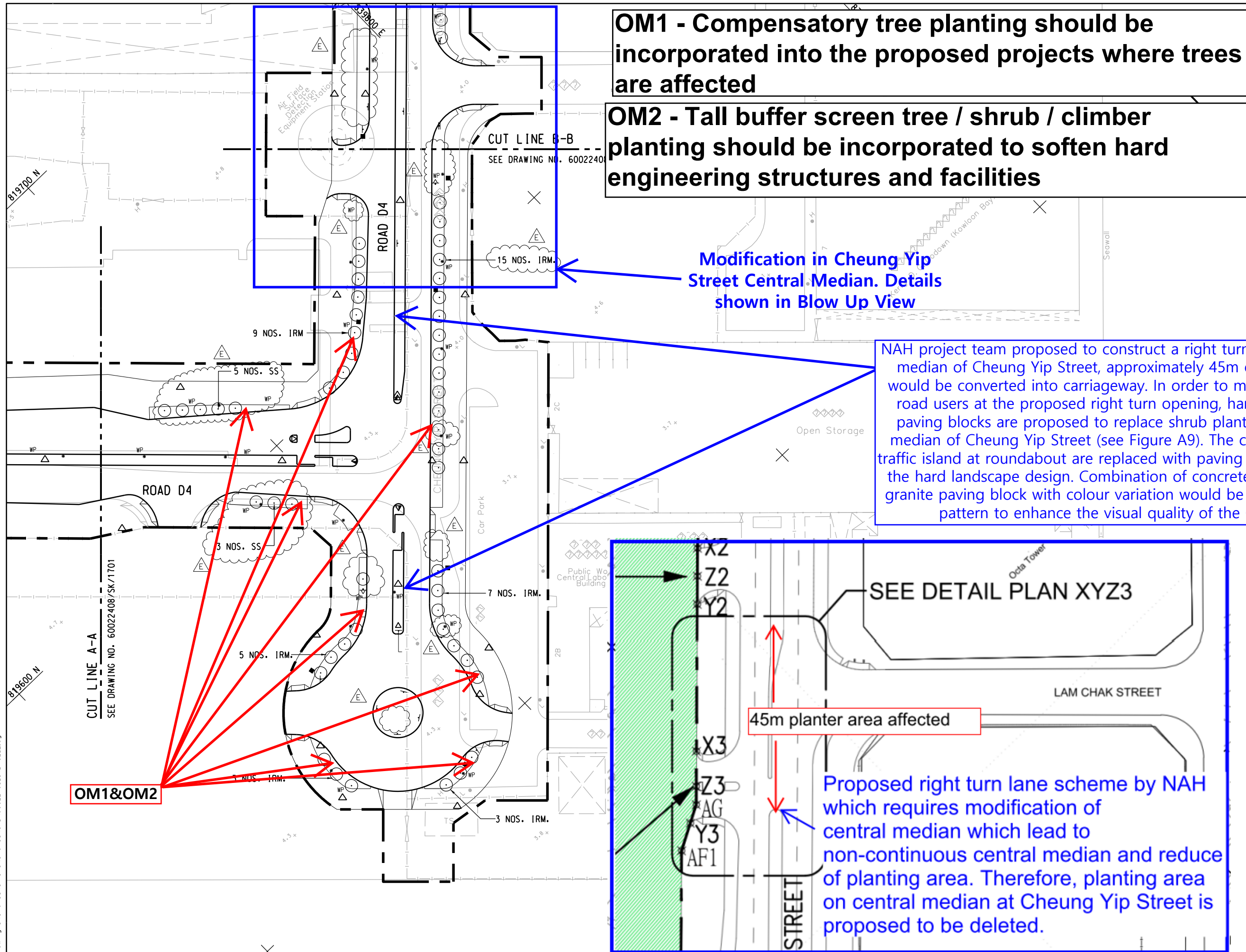


Figure A4- Tree Planting Plan

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:
1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60022408/SK/1701.

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E	MAR 2021	PS	GENERAL REVISION	JC	PL
D	JAN 2020	PS	GENERAL REVISION	JC	PL
C	SEP 2019	PS	GENERAL REVISION	PL	CW
B	MAY 2019	PS	GENERAL REVISION	PL	CW
A	NOV 2018	PS	GENERAL REVISION	PL	CW
-	DEC 2017	PS	GENERAL REVISION	PL	CW

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CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE

TREE PLANTING PLAN

SHEET 2 OF 3

DESIGNED	KWM	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1	STATUS	REV
A1 1 : 500 A3 1 : 1000	DETAILED DESIGN	E

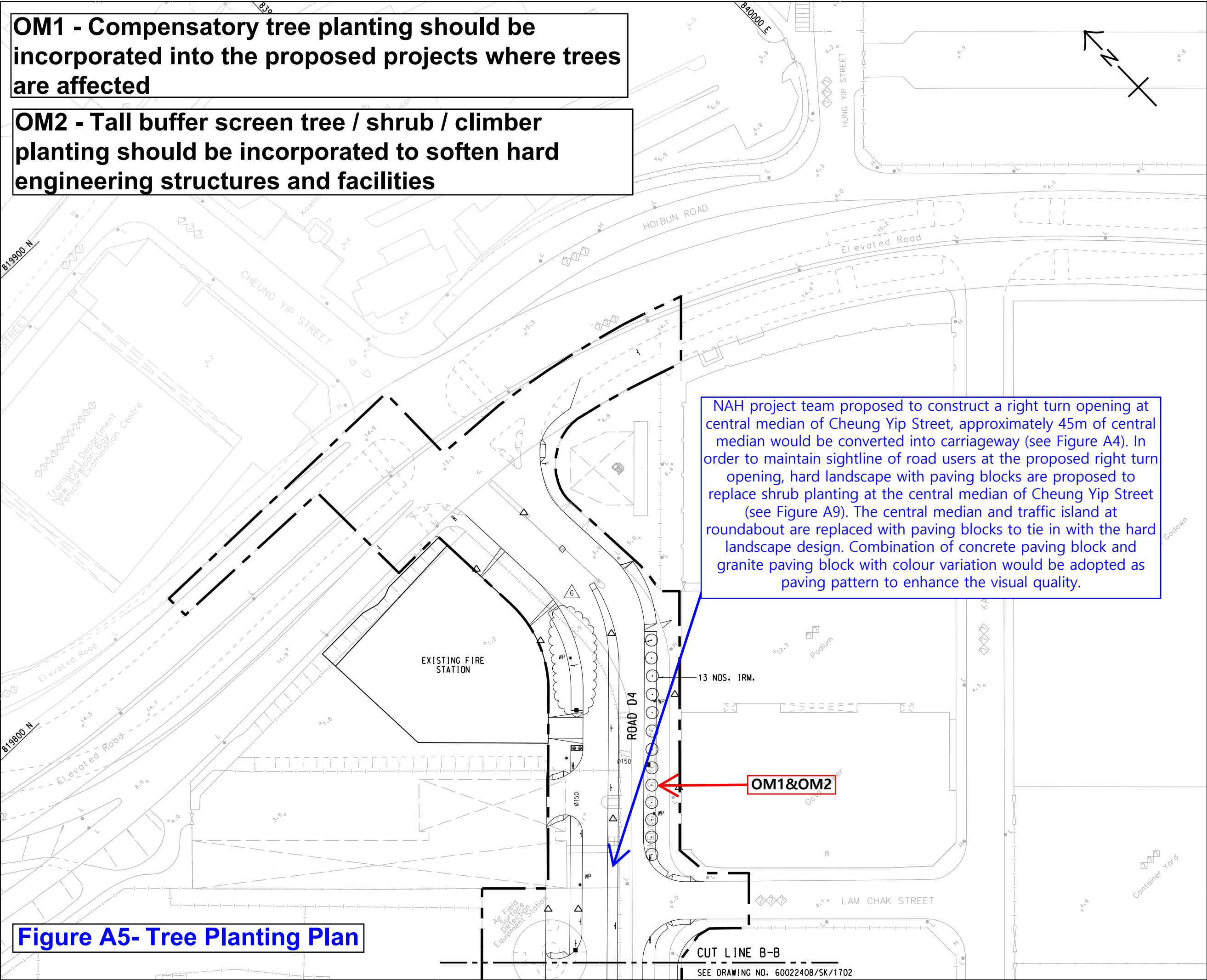
SITE SKETCH No.

60022408/SK/1702

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OM1 - Compensatory tree planting should be incorporated into the proposed projects where trees are affected

OM2 - Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities



NAH project team proposed to construct a right turn opening at central median of Cheung Yip Street, approximately 45m of central median would be converted into carriageway (see Figure A4). In order to maintain sightline of road users at the proposed right turn opening, hard landscape with paving blocks are proposed to replace shrub planting at the central median of Cheung Yip Street (see Figure A9). The central median and traffic island at roundabout are replaced with paving blocks to tie in with the hard landscape design. Combination of concrete paving block and granite paving block with colour variation would be adopted as paving pattern to enhance the visual quality.

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:

1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60022408/SK/1701.

G	APR 2021	PS	GENERAL REVISION	JC	PL
F	MAR 2021	PS	GENERAL REVISION	JC	PL
E	FEB 2020	PS	GENERAL REVISION	JC	PL
D	JAN 2020	PS	GENERAL REVISION	JC	PL
C	MAY 2019	PS	GENERAL REVISION	PL	CW
B	APR 2019	PS	GENERAL REVISION	PL	CW
A	FEB 2018	PS	GENERAL REVISION	PL	CW
-	DEC 2017	PS	GENERAL REVISION	PL	CW
Rev.	Date	Drawn	Description	Checked	Approved

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KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE

TREE PLANTING PLAN

SHEET 3 OF 3

DESIGNED	KMH	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1 A1 1 : 500 A3 1 : 1000	STATUS DETAILED DESIGN	REV G
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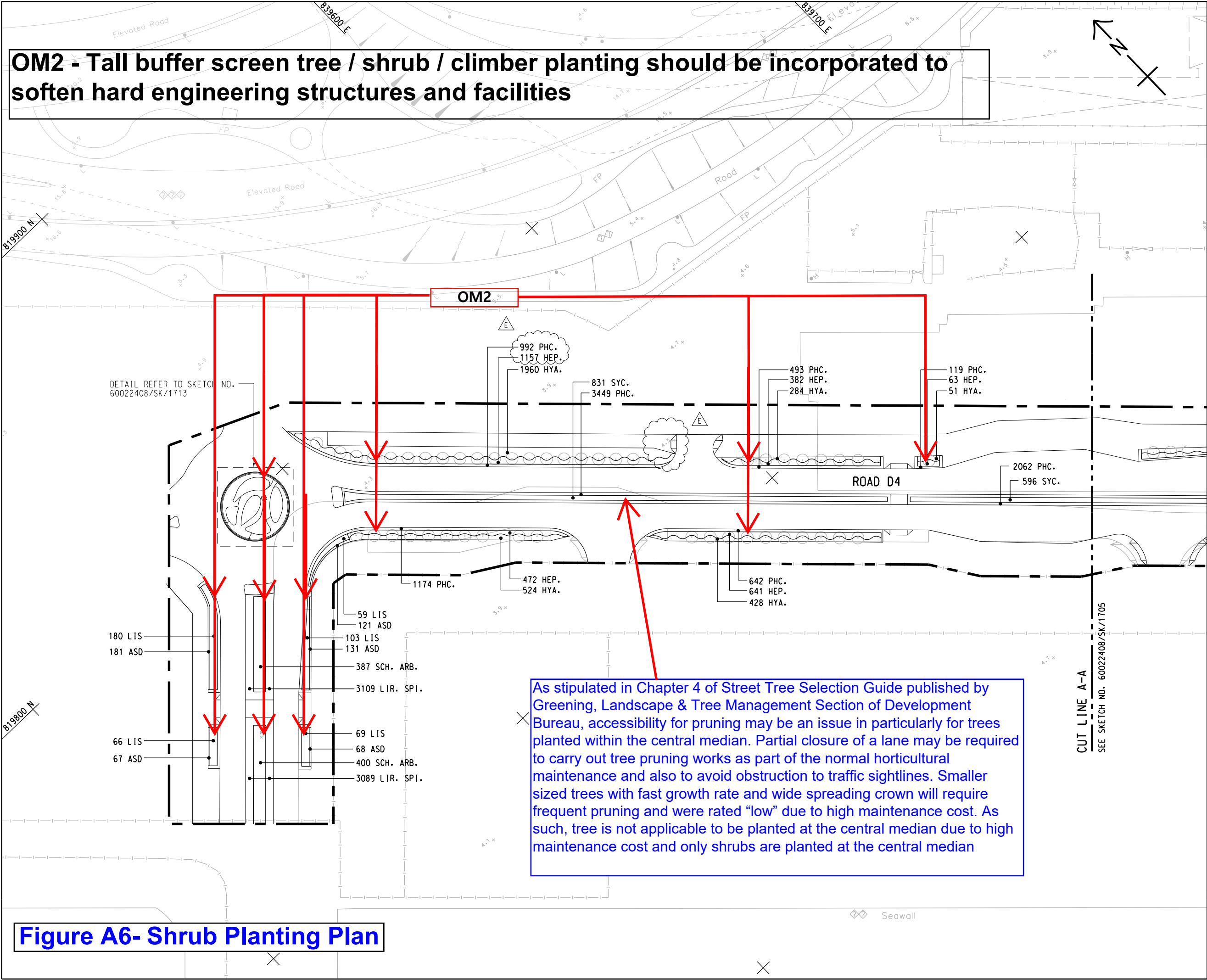
SITE SKETCH No.

60022408/SK/1703

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Figure A5- Tree Planting Plan

OM2 - Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities



KWUN TONG TYPHOON SHELTER

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:
1. THIS SKETCH TO BE READ IN CONJUNCTION WITH SKETCH NOS. 60022408/SK/1705 AND 1706.

LEGEND:
PROPOSED WORK LIMITS
600x100 THK. CONCRETE MAINTENANCE WALKWAY (REFER DRAWING NO. 60022408/SK/1713)

Rev.	Date	Drawn	Description	Checked	Approved
E	MAR 2021	PS	GENERAL REVISION	JC	PL
D	SEP 2019	PS	GENERAL REVISION	PL	CW
C	MAY 2019	PS	GENERAL REVISION	PL	CW
B	APR 2019	PS	GENERAL REVISION	PL	CW
A	FEB 2018	PS	GENERAL REVISION	PL	CW
-	DEC 2017	PS	GENERAL REVISION	PL	CW

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CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE
SHRUB PLANTING PLAN

SHEET 1 OF 3

SCALE AT A1
A1 1 : 500
A3 1 : 1000

STATUS
DETAILED DESIGN

REV
E

Figure A6- Shrub Planting Plan

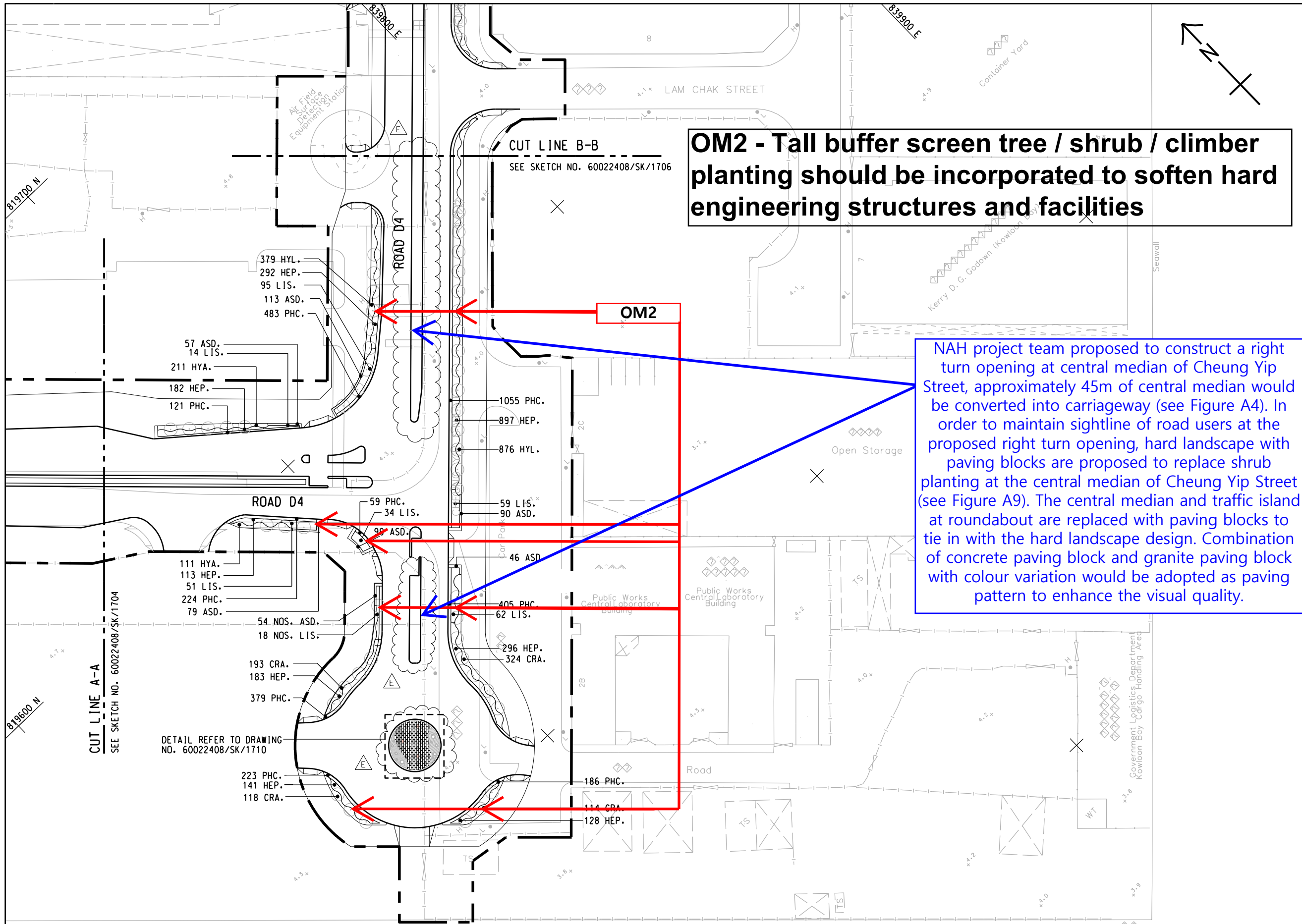


Figure A7- Shrub Planting Plan

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:
1. FOR NOTES AND LEGEND REFER TO SKETCH NO. 60022408/SK/1704.

E	MAR 2021	PS	GENERAL REVISION	JC	PL
D	JAN 2020	PS	GENERAL REVISION	JC	PL
C	SEP 2019	PS	GENERAL REVISION	PL	CW
B	MAY 2019	PS	GENERAL REVISION	PL	CW
A	NOV 2018	PS	GENERAL REVISION	PL	CW
-	DEC 2017	PS	GENERAL REVISION	PL	CW
Rev.	Date	Drawn	Description	Checked	Approved

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CONTRACT NO. KL/2014/03
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INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE

SHRUB PLANTING PLAN

SHEET 2 OF 3

DESIGNED	KWM	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1 A1 1 : 500 A3 1 : 1000	STATUS DETAILED DESIGN	REV E
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SITE SKETCH No.

60022408/SK/1705

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OM2 - Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities

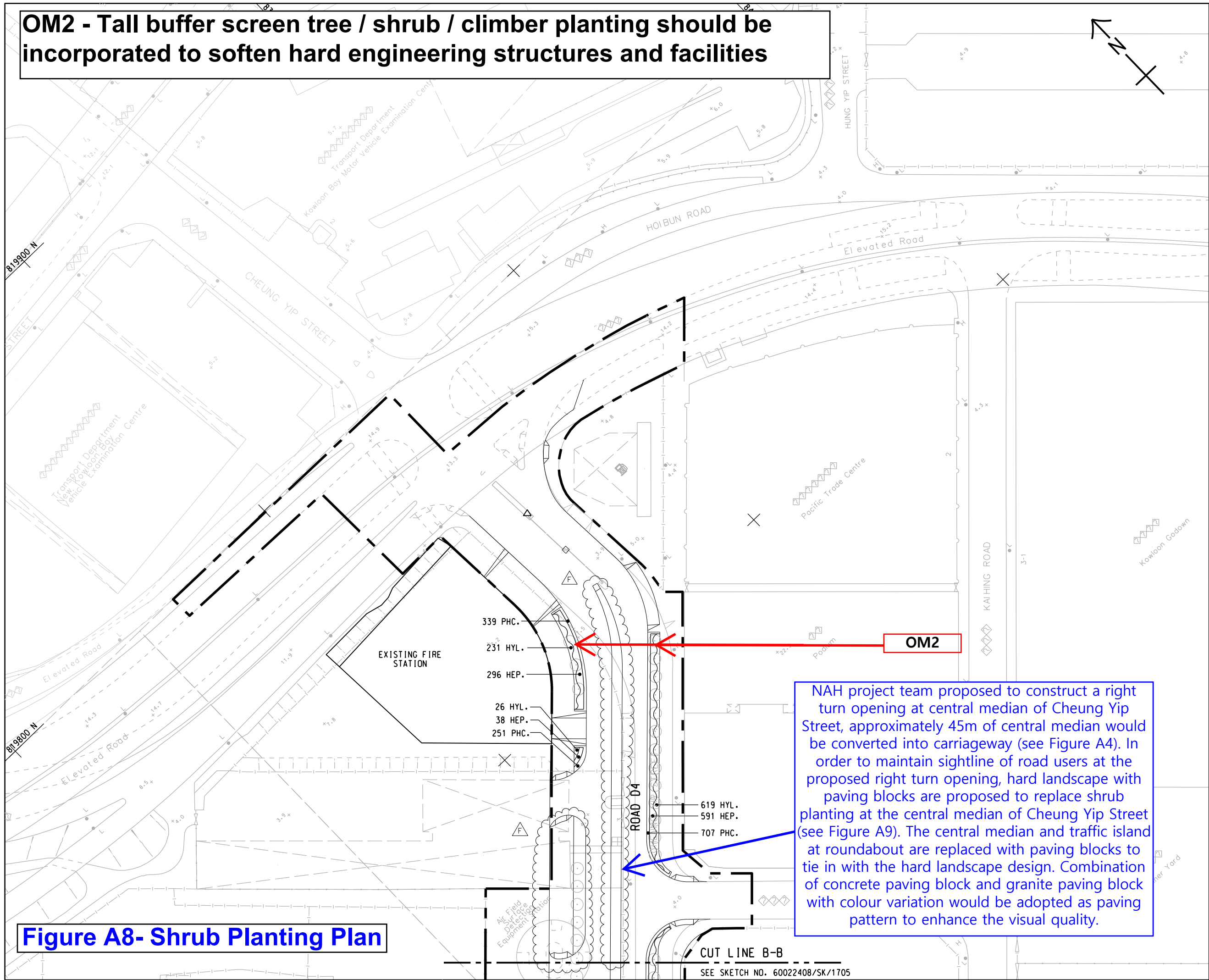
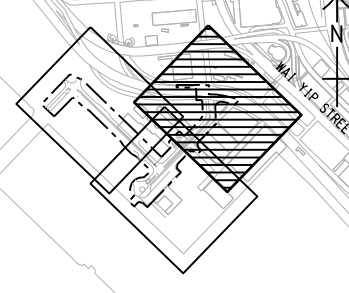
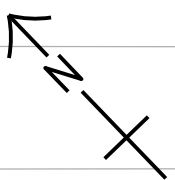


Figure A8- Shrub Planting Plan




KWUN TONG TYPHOON SHELTER


KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:
1. FOR NOTES AND LEGEND REFER TO SKETCH NO. 60022408/SK/1704.

Rev.	Date	Drawn	Description	Checked	Approved
F	MAR 2021	PS	GENERAL REVISION	JC	PL
E	JAN 2020	PS	GENERAL REVISION	JC	PL
D	SEP 2019	PS	GENERAL REVISION	PL	CW
C	MAY 2019	PS	GENERAL REVISION	PL	CW
B	MAR 2018	PS	GENERAL REVISION	PL	CW
A	FEB 2018	PS	GENERAL REVISION	PL	CW
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CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

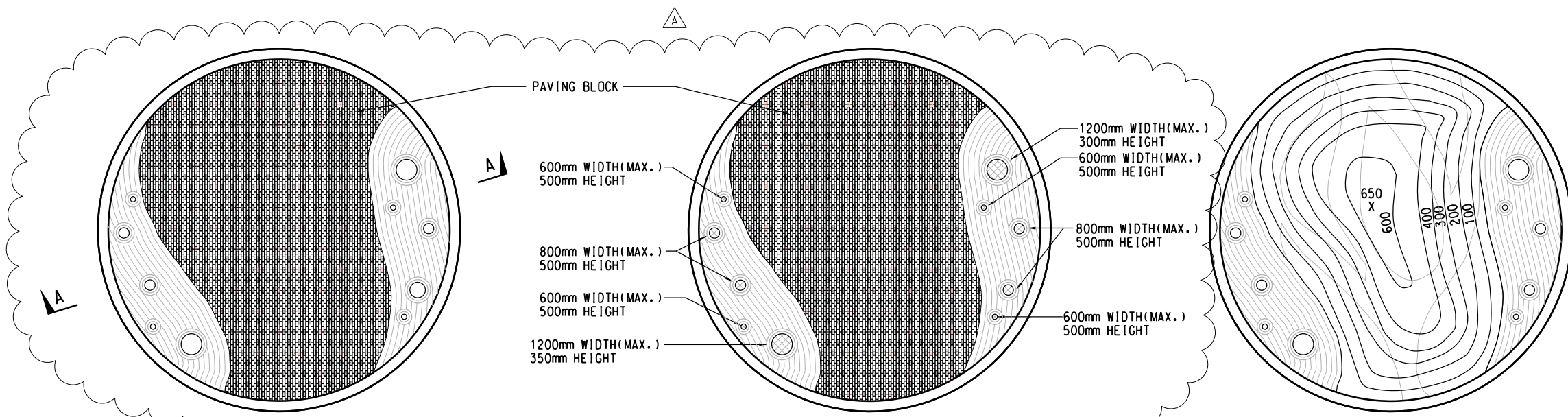
TITLE
SHRUB PLANTING PLAN
SHEET 3 OF 3

DESIGNED	KWM	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1	STATUS	REV
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SITE SKETCH No.
60022408/SK/1706
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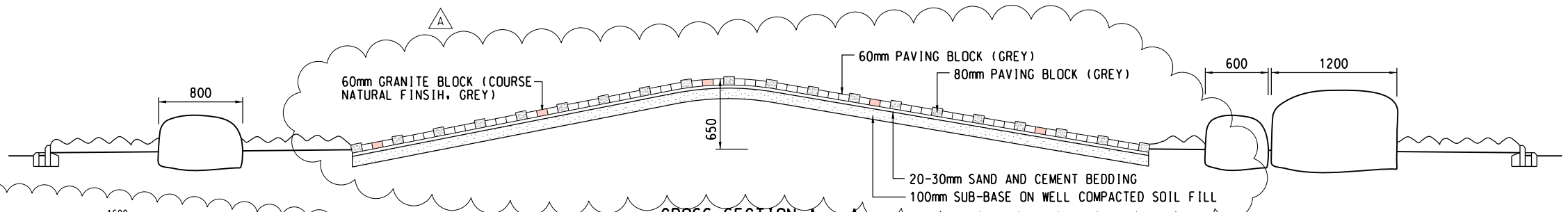
NAH project team proposed to construct a right turn opening at central median of Cheung Yip Street, approximately 45m of central median would be converted into carriageway (see Figure A4). In order to maintain sightline of road users at the proposed right turn opening, hard landscape with paving blocks are proposed to replace shrub planting at the central median of Cheung Yip Street (see Figure A9). The central median and traffic island at roundabout are replaced with paving blocks to tie in with the hard landscape design. Combination of concrete paving block and granite paving block with colour variation would be adopted as paving pattern to enhance the visual quality.



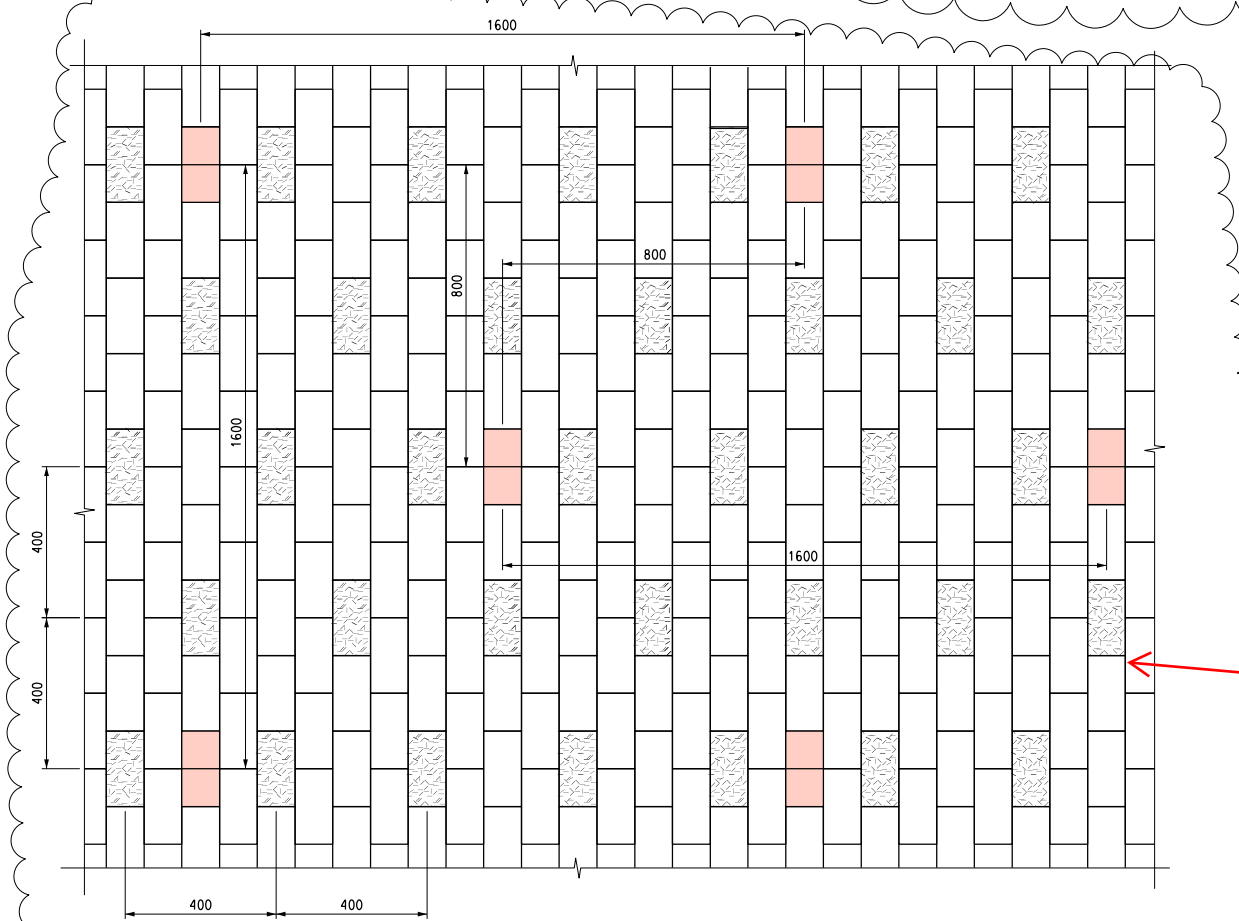
GENERAL LAYOUT PLAN OF ROUNDABOUT
SCALE A1 1 : 100
A3 1 : 200

HARD AND SOFT LANDSCAPE DETAIL PLAN AT ROUNDABOUT
SCALE A1 1 : 100
A3 1 : 200

CONTOUR PLAN OF ROUNDABOUT
SCALE A1 1 : 100
A3 1 : 200

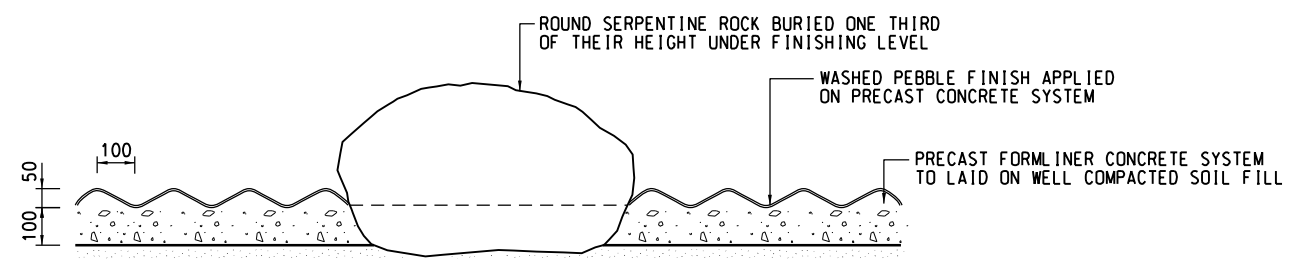


CROSS SECTION A - A
SCALE A1 1 : 25
A3 1 : 50



TYPICAL PAVING PATTEN AT ROUNDABOUT AND CENTRAL MEDIAN OF CHEUNG YIP STREET
SCALE A1 1 : 10
A3 1 : 20

- 200mm x 100mm x 80mm (THK.) CONCRETE PAVING BLOCK
- 200mm x 100mm x 60mm (THK.) CONCRETE PAVING BLOCK
- 2 x 100mm x 100mm x 60mm (THK.) GRANITE BLOCK



TYPICAL DETAIL OF HARD LANDSCAPE FEATURE AT ROUNDABOUT
SCALE A1 1 : 10
A3 1 : 20

Paving Pattern at Cheung Yip Street Central Median

Figure A9- Paving Pattern at Cheung Yip Street Median and Roundabout

NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60022408/SK/1701 TO 1706.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INCLUDING METHOD STATEMENT, FIXING DETAILS, FINISHING, ARRANGEMENT, FOUNDATION AND DRAINAGE DESIGN FOR THE HARD LANDSCAPE FEATURE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.
- THE HARD LANDSCAPE FEATURES SHALL BE FREE FROM WATER PONDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOUNDATION DESIGN OF THE HARD LANDSCAPE FEATURE SUCH THAT SETTLEMENT SHOULD BE AVOIDED.

LEGEND:

- PAVING BLOCK
- HARD LANDSCAPE AREA
- SERPENTINE ROCK

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A	MAR 2021	PS	GENERAL REVISION	JC	PL
-	DEC 2017	PS	GENERAL REVISION	PL	CW



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PROJECT
 CONTRACT NO. KL/2014/03
 KAI TAK DEVELOPMENT - STAGE 3
 INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

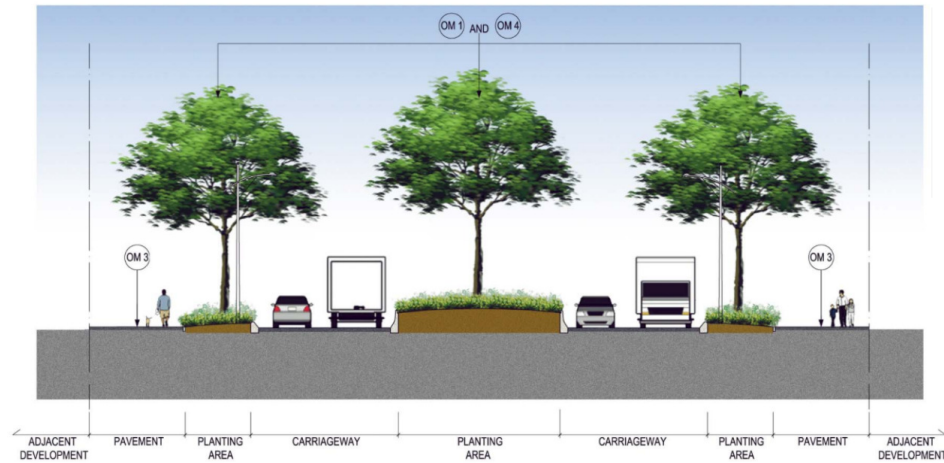
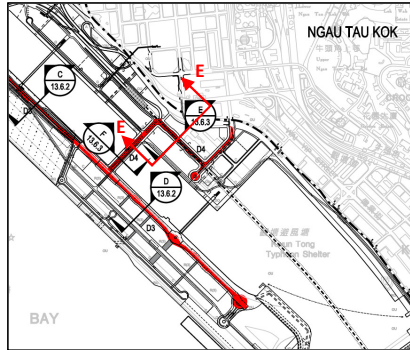
TITLE
 LANDSCAPE PLAN AT CHEUNG YIP STREET ROUNDABOUT

DESIGNED	KWM	CHECKED	JC
DRAWN	PS	APPROVED	PL
SCALE AT A1	STATUS	REV	
AS SHOWN	DETAILED DESIGN	A	

SITE SKETCH No.
 60022408/SK/1710

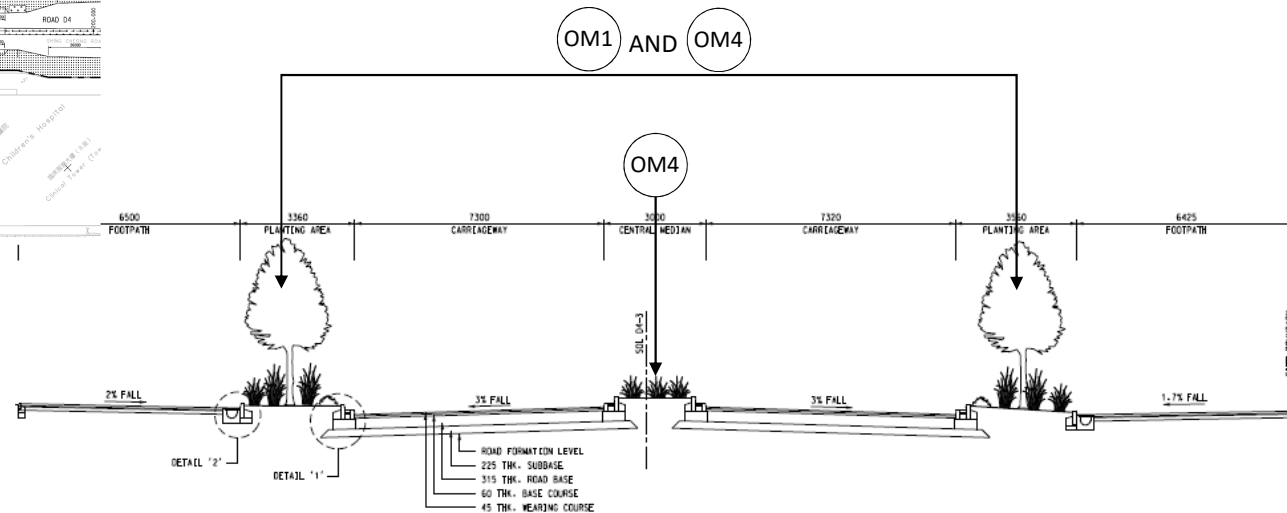
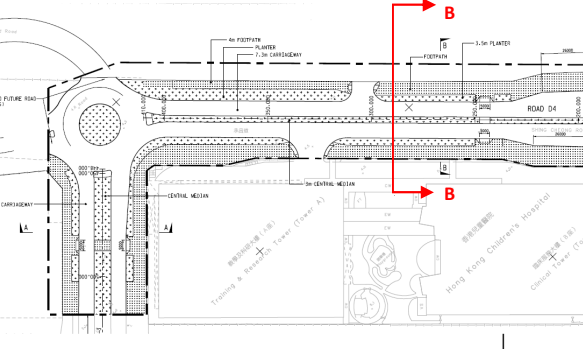
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APPROVED



SECTION - E (ROAD D4)

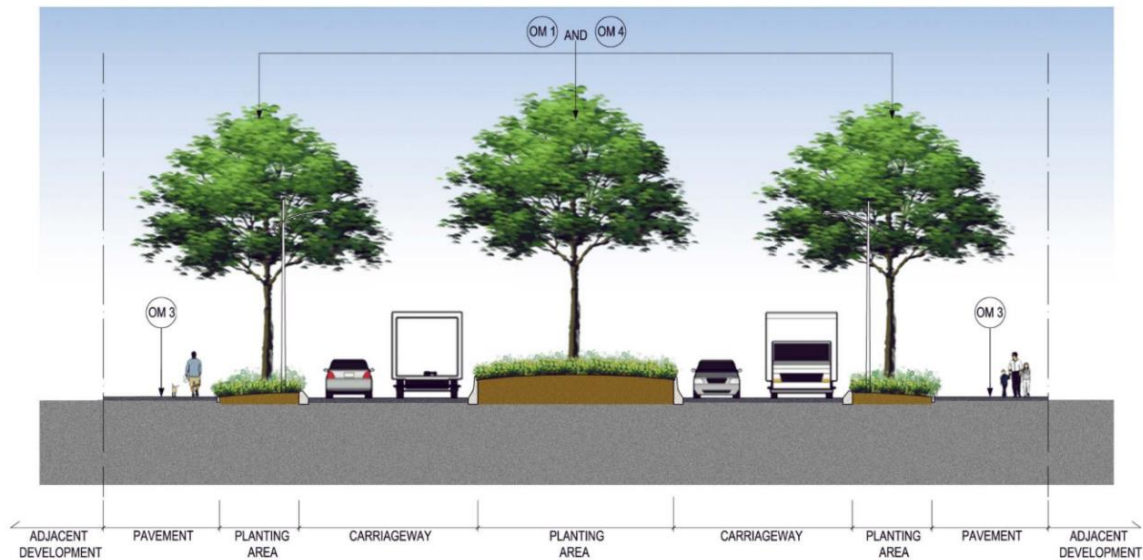
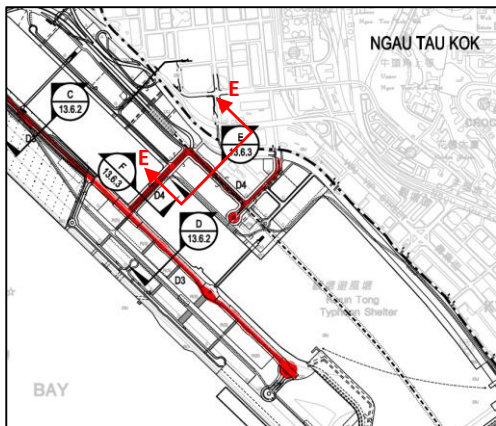
CURRENT



SECTION B-B

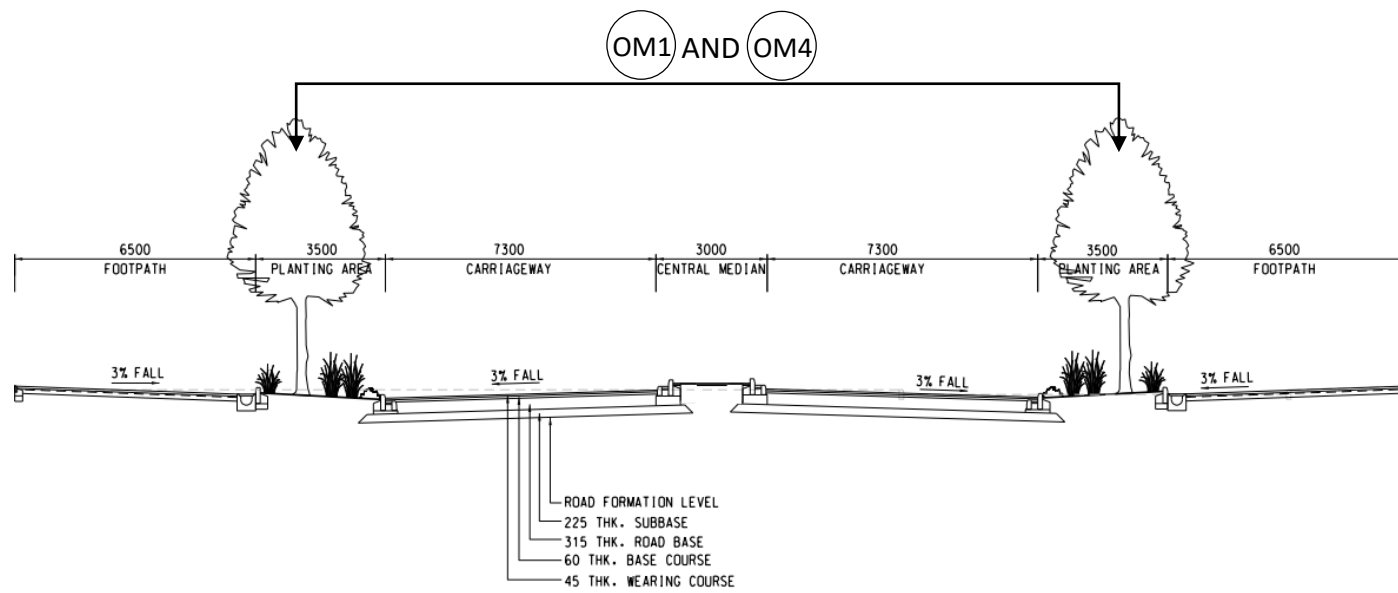
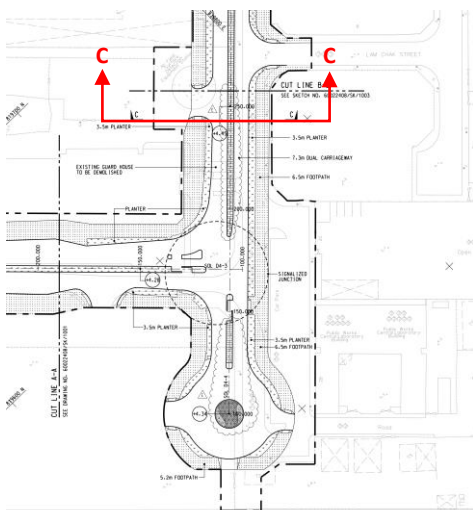
Figure A10- Comparson of Figure 13.6.3 of AEIAR-130/2009

APPROVED



SECTION - E (ROAD D4)

CURRENT



SECTION C-C

Figure A11- Comparison of Figure 13.6.3 of AEIAR-130/2009

OM4 – Structure, ornamental tree/ shrub/ climber planting should be provided along roadside amenity strips and central dividers to enhance the townscape quality, where space is available

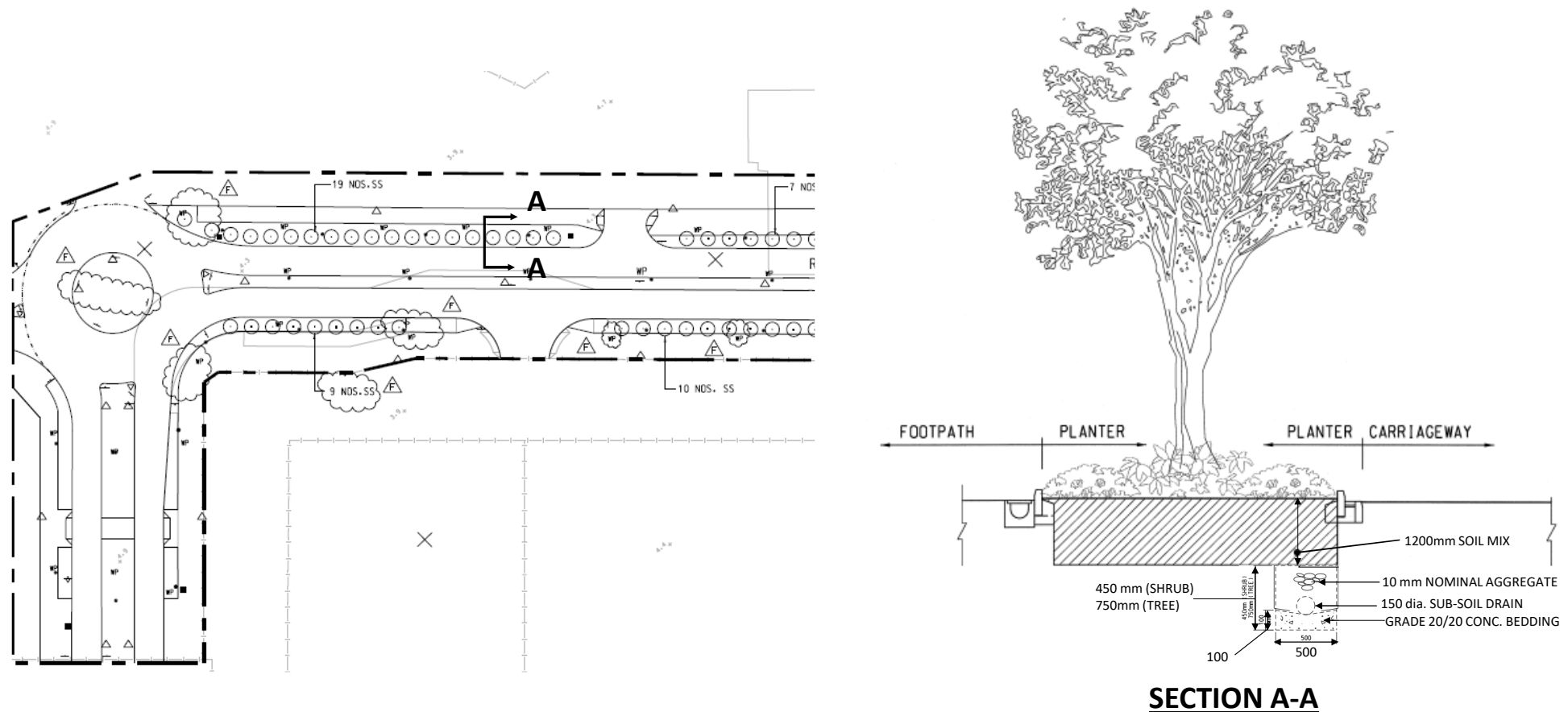


Figure A12 - Soil Mix and Planting Drainage Details

Figure A13 - Status of the Works for Kai Tak Development

Road D1 under Stage 5A - KL/2015/02
(under separate submission)
Status: Under Construction
Relevant Submission: EP Condition 2.11 of EP-337/2009 - Submission of Landscape Mitigation Plan on 13 Mar 2018 (ER60102100/S5A/M45/105/O-01748)

Road D1 under Stage 3A - KL/2012/02
(under separate submission)
Status: Construction Completed
Relevant Submission: EP Condition 2.12 of EP-337/2009- Submission of As-built Drawings on 13 September 2018 (23462/(KL/2012/02)/M45/100(0014))

Road D1 under Stage 5B - ED/2018/05
(under separate submission)
Status: Under Construction
Relevant Submission: EP Condition 2.11 of EP-337/2009 - Submission of Landscape Mitigation Plan on 17 Dec 2020 (ED/2018/05/M45/105/0005) ; revised submission on 15 March 2021 (ED/2018/05/M45/105/0010)

Road D2 under Stage 4 - KL/2012/03
(under separate submission)
Status: Construction Completed
Relevant Submission: EP Condition 2.12 of EP-337/2009 - Submission of As-built Drawings on 13 August 2019 (ER60102100/S4/M45/105-B8916)

Road D2 under Stage 2 KL/2010/03
(under separate submission)
Status: Construction Completed
Relevant Submission: EP Condition 2.12 of EP-337/2009 - Submission of As-built Drawings on 14 July 2015 (23462/(KL/2010/03)/M45/100(0035))

Road D3 under ED/2018/01
(under separate submission)
Status: Under Construction
Relevant Submission: EP Condition 2.11 of EP-337/2009 - Submission of Landscape Mitigation Plan on 18 May 2021 (18-5-2021)

Road D4 under Stage 3 - KL/2014/03
(under this submission)
Status: Construction Completed
Relevant Submission:
-EP Condition 2.11 of EP-337/2009 -Submission of Landscape Mitigation Plan under this submission
-EP Condition 2.12 of EP-337/2009 - Submission of As-built Drawings on 12 March 2021 (KL/2014/03/M45/100/7281)

Road D3 under KL/2014/01
(under separate submission)
Status: Substantially completed
Relevant Submission:
- EP Condition 2.11 of EP-445/2013/A, the latest landscape mitigation plan for Road D3A was submitted to EPD on 9 March 2016 (KTDS2/(KL/2014/01)/M45/800(0007)-B00189)

Road D4 under KL/2014/01
(under separate submission)
Status: Substantially completed
Relevant Submission:
- EP Condition 2.11 of EP-445/2013/A, the latest landscape mitigation plan for Road D4A was submitted to EPD on 9 March 2016 (KTDS2/(KL/2014/01)/M45/800(0007)-B00189)

Remarks: In accordance with the EIA Report of Kai Tak Development - Roads D3A & D4A (AEIAR-170/2013), the original scheme of Road D3 was revisited and the original Road D3 is now replaced by Road D3A. In view of the new alignment of Road D3A, Road D4A is also added as an extension to Road D4 connecting Road D4 with Road D3A. The works in Road D3A and D4A are covered under Environmental Permit No. EP-445/2013/A.

Appendix B

Tree Survey Detail Plan

CM1 -All existing trees shall be carefully protected during construction.

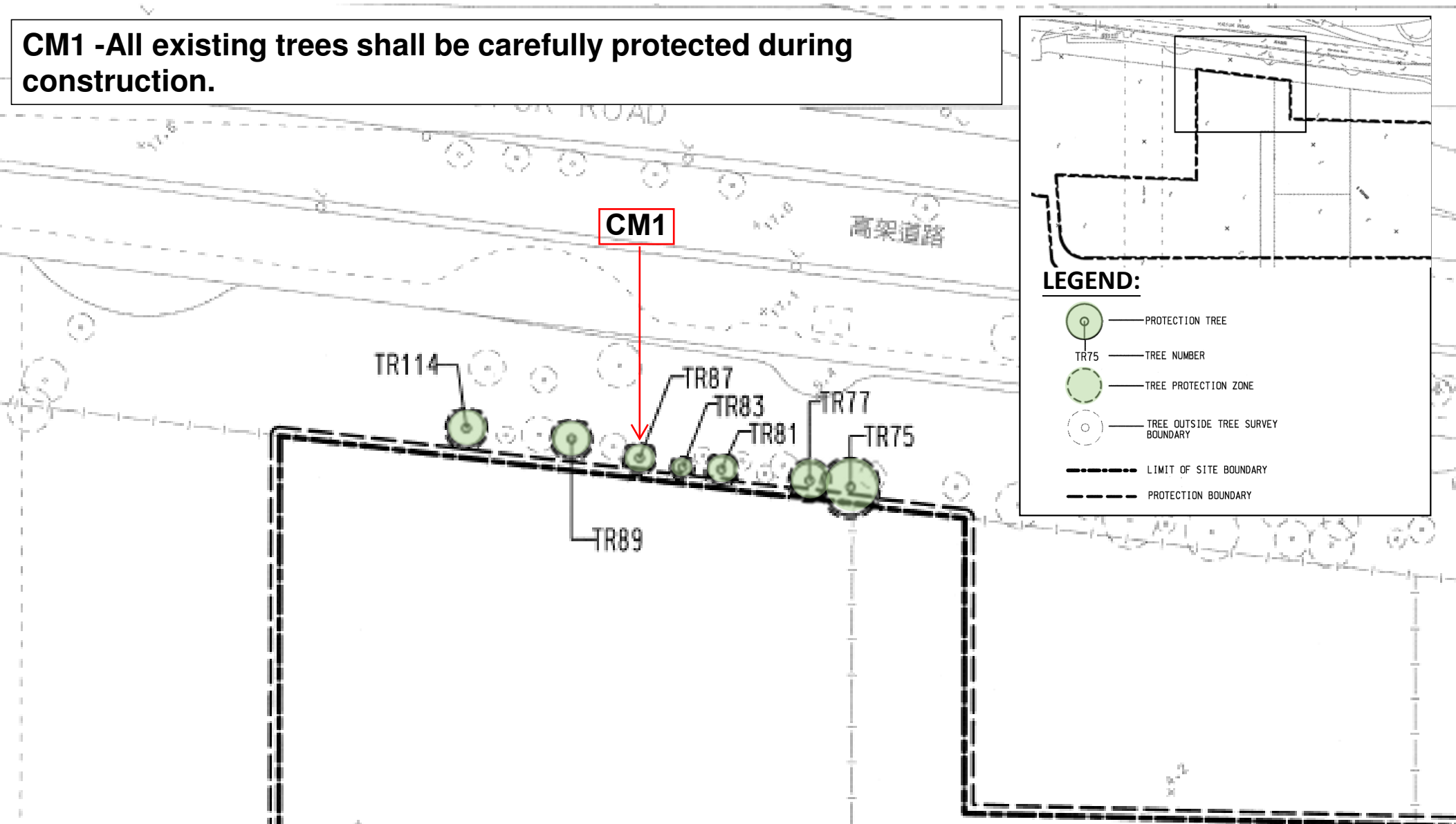


Figure B1 - Tree Protection Plan

CM1 -All existing trees shall be carefully protected during construction.

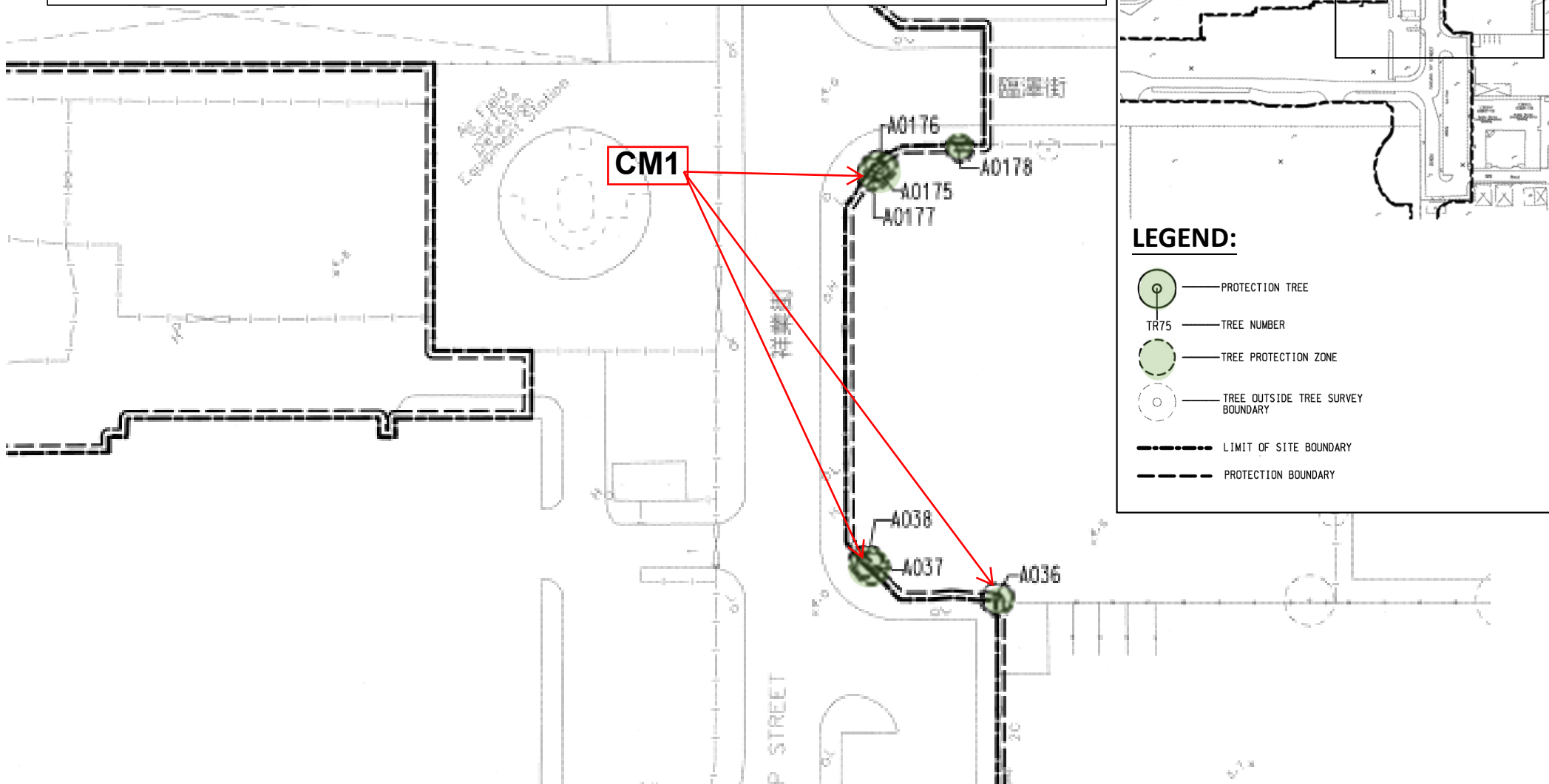


Figure B2 - Tree Protection Plan

Appendix C

Paving Layout

OM5- Aesthically pleasing design as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities

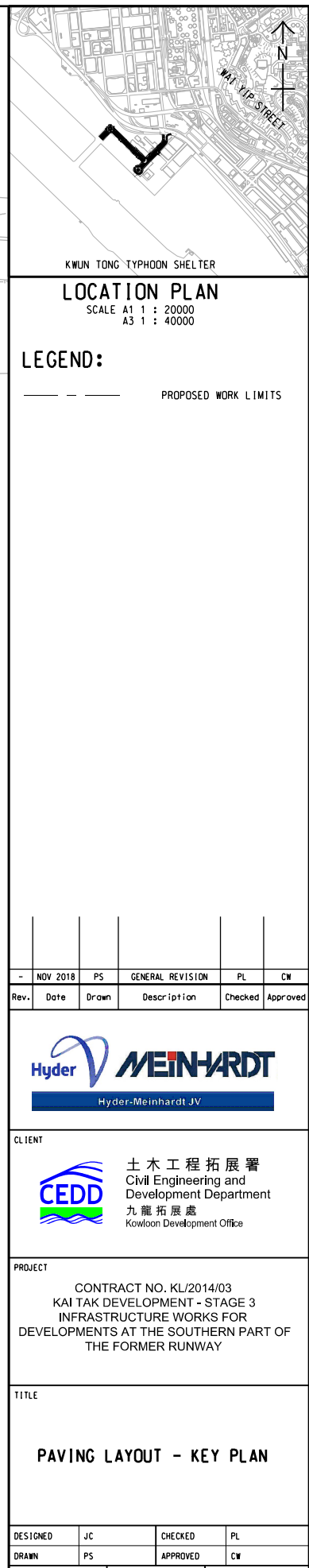
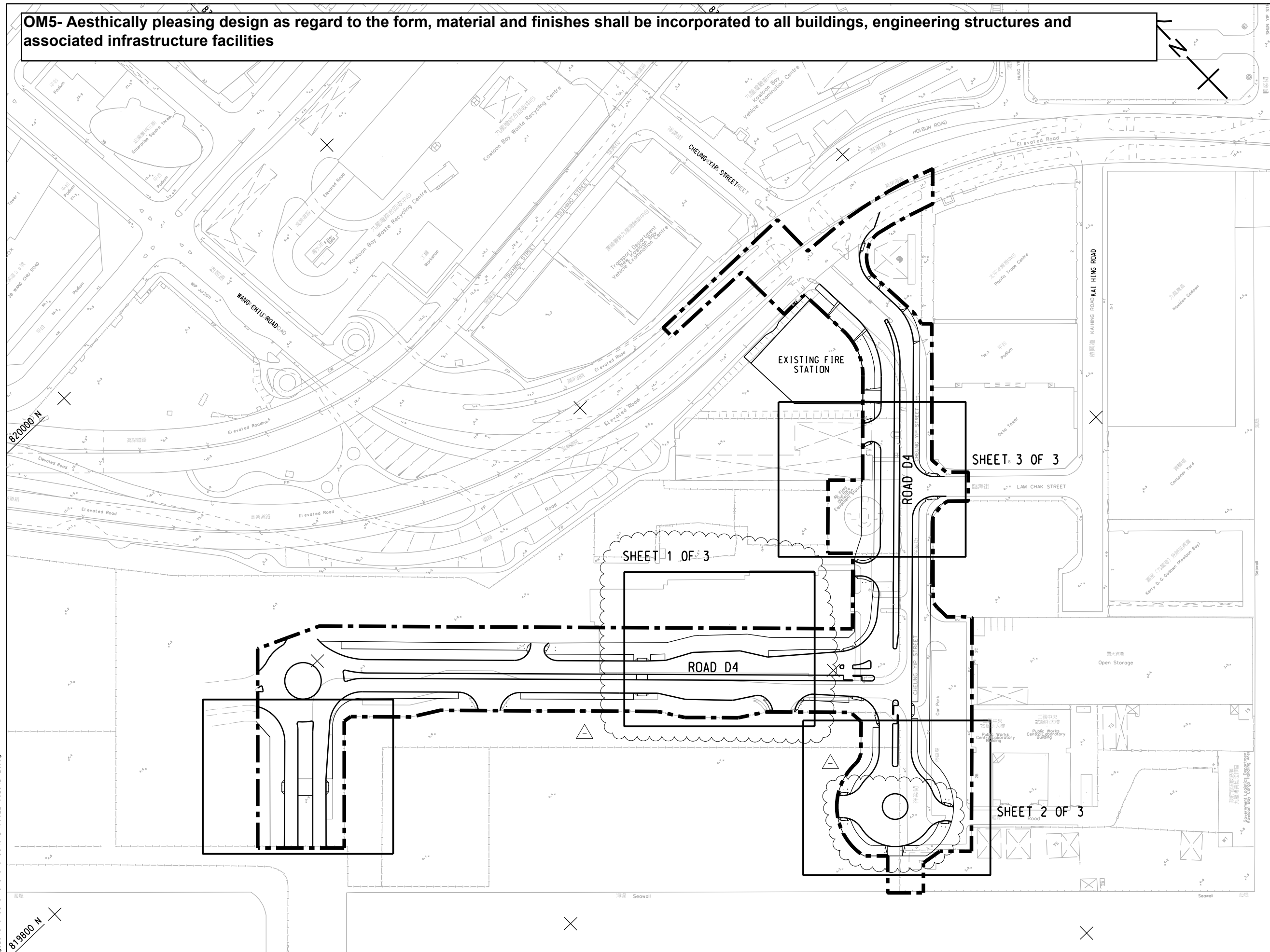
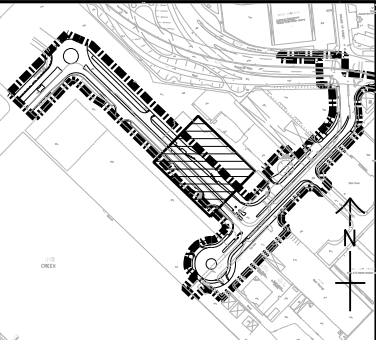


Figure C1- PAVING LAYOUT

OM5- Aesthically pleasing design as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities



KEY PLAN
SCALE A1 1 : 5000
A3 1 : 10000

- NOTES:
- 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60022408/SK/1722 AND 1723.
 - 2. FOR DETAILS OF PAVING PATTERN, REFER TO DRAWING NO. 60022408/SK/1724.

LEGEND:

— — — PROPOSED WORK LIMITS

Rev.	Date	Drawn	Description	Checked	Approved
-	NOV 2018	PS	GENERAL REVISION	PL	CW



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Kowloon Development Office

PROJECT

CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

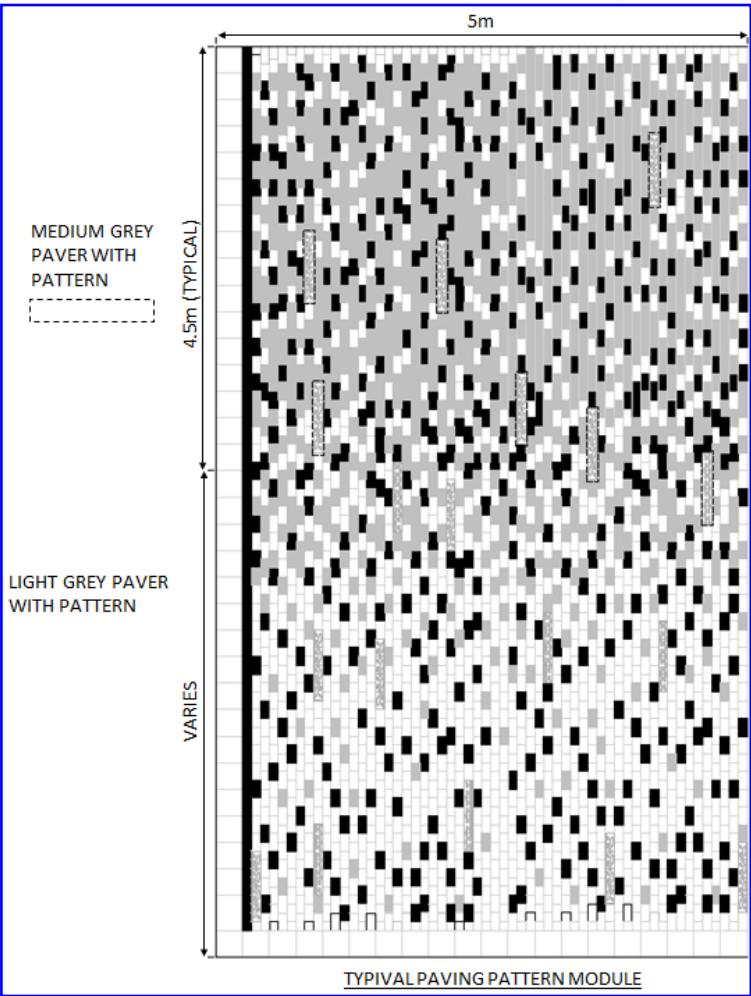
TITLE

PAVING LAYOUT

(SHEET 1 OF 3)

DESIGNED	JC	CHECKED	PL
DRAWN	PS	APPROVED	CW
SCALE AT A1 A1 1 : 150 A3 1 : 300	STATUS		REV —
SITE SKETCH No. 60022408/SK/1721			
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Figure C2- PAVING LAYOUT



ROAD D4

OM5- Aesthically pleasing design as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities

3.5m PLANTER
6.5m FOOTPATH

3.5m PLANTER
6.5m FOOTPATH

PAVING BLOCK

3.5m PLANTER

6.5m FOOTPATH

6.5m FOOTPATH
3.5m PLANTER

OM5

CHEUNG YIP STREET

祥業街

停車場

2B

上務
試驗所
Public
Central
Build

KEY PLAN

SCALE A1 1 : 5000
A3 1 : 10000

NOTE:

1. FOR NOTES AND LEGEND, REFER TO DRAWING NO. 60022408/SK/1721.

Rev.	Date	Drawn	Description	Checked	Approved
-	JUN 2018	PS	GENERAL REVISION	JC	CW



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Kowloon Development Office

PROJECT
CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

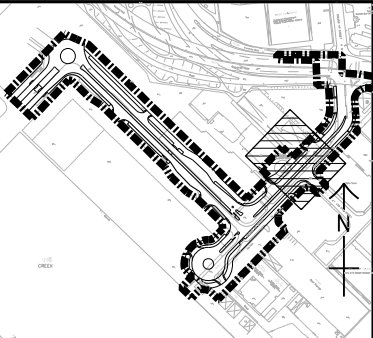
TITLE
PAVING LAYOUT

(SHEET 2 OF 3)

DESIGNED	JC	CHECKED	PL
DRAWN	PS	APPROVED	CW
SCALE AT A1 A1 1 : 150 A3 1 : 300	STATUS	REV	-
SITE SKETCH No. 60022408/SK/1722			
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Figure C3- PAVING LAYOUT

OM5- Aesthically pleasing design as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities



KEY PLAN
SCALE A1 1 : 5000
A3 1 : 10000

NOTE:
1. FOR NOTES AND LEGEND, REFER TO DRAWING NO. 60022408/SK/1721.

Rev.	Date	Drawn	Description	Checked	Approved
-	JUN 2018	PS	GENERAL REVISION	PL	CW



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PROJECT
CONTRACT NO. KL/2014/03
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INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE
PAVING LAYOUT
(SHEET 3 OF 3)

DESIGNED	JC	CHECKED	PL
DRAWN	PS	APPROVED	CW
SCALE AT A1	STATUS	REV	-
SITE SKETCH No.			
60022408/SK/1723			
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Figure C4- PAVING LAYOUT

PRINTED BY: PatrickShum 11/20/2018 2:15:07 PM
FILENAME: Z:\Drawings-Sketches\Site Sketches\CAD\60022408_SK_1723.dgn

Appendix D

Hoarding Layout Plan

CM4 - Erection of decorative screen hoarding

CM7 - Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. EB000560/C1/GEN/11122 & 11123.
2. THE BOUNDARY FENCE SHALL BE REMOVED BEFORE CONTRACT COMPLETION UPON REQUEST BY THE ENGINEER.
3. VEHICULAR GATES SHALL BE PROVIDED AT OPENINGS FOR THE CROSSING OF THE RIGHT OF WAY OF OTHER CONTRACTS.
4. THE LOCATION AND WIDTH OF GATES SHOWN ARE INDICATIVE AND SHALL BE CONFIRMED BY THE ENGINEER.
5. DEMARCATION OF THE WORKS AREA SHALL BE DETERMINED ON SITE BY THE ENGINEER.
6. THE LOCATION OF CHAIN LINK FENCE AND HOARDING SHOWN IS INDICATIVE ONLY AND NOT THE FINAL ARRANGEMENT. THE CONTRACTOR SHALL PROPOSE AND ADJUST THE EXACT LOCATION AND EXTENT OF CHAIN LINK FENCE AND HOARDING ACCORDING TO THE APPROVED TEMPORARY TRAFFIC ARRANGEMENT SCHEMES AND USE OF THE SITE FOR THE ENGINEER'S APPROVAL.

LEGENDS:

- I — PROPOSED CHAIN LINK FENCE. DETAILS REFER TO DRAWING NO. EB000560/C1/GEN/11124.
- H — PROPOSED SITE HOARDING. DETAILS REFER TO DRAWING NO. EB000560/C1/GEN/11124.
- X — EXISTING CHAIN LINK FENCE/ HOARDING/BOUNDARY WALL TO BE REMOVED
- V VEHICULAR GATE. DETAILS REFER TO DRAWING NO. EB000560/C1/GEN/11124.
- P PEDESTRIAN GATE. DETAILS REFER TO DRAWING NO. EB000560/C1/GEN/11124.
- E EMERGENCY GATE. DETAILS REFER TO HYD STANDARD DRAWING NO. H2108A.

A	MAY 2015	K.CHAN	TENDER DOCUMENT	S.MAK	J.PENNY
Rev.	Date	Drawn	Description	Checked	Approved



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KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

TITLE

CHAIN LINK FENCE
AND HOARDING
LAYOUT PLAN

(SHEET 1 OF 3)

DESIGNED	T.HUNG	CHECKED	S.MAK
DRAWN	K.CHAN	APPROVED	J.PENNY
SCALE AT A1	STATUS	REV	
1 : 1000	CONTRACT	A	

Drawing No.
EB000560/C1/GEN/11121

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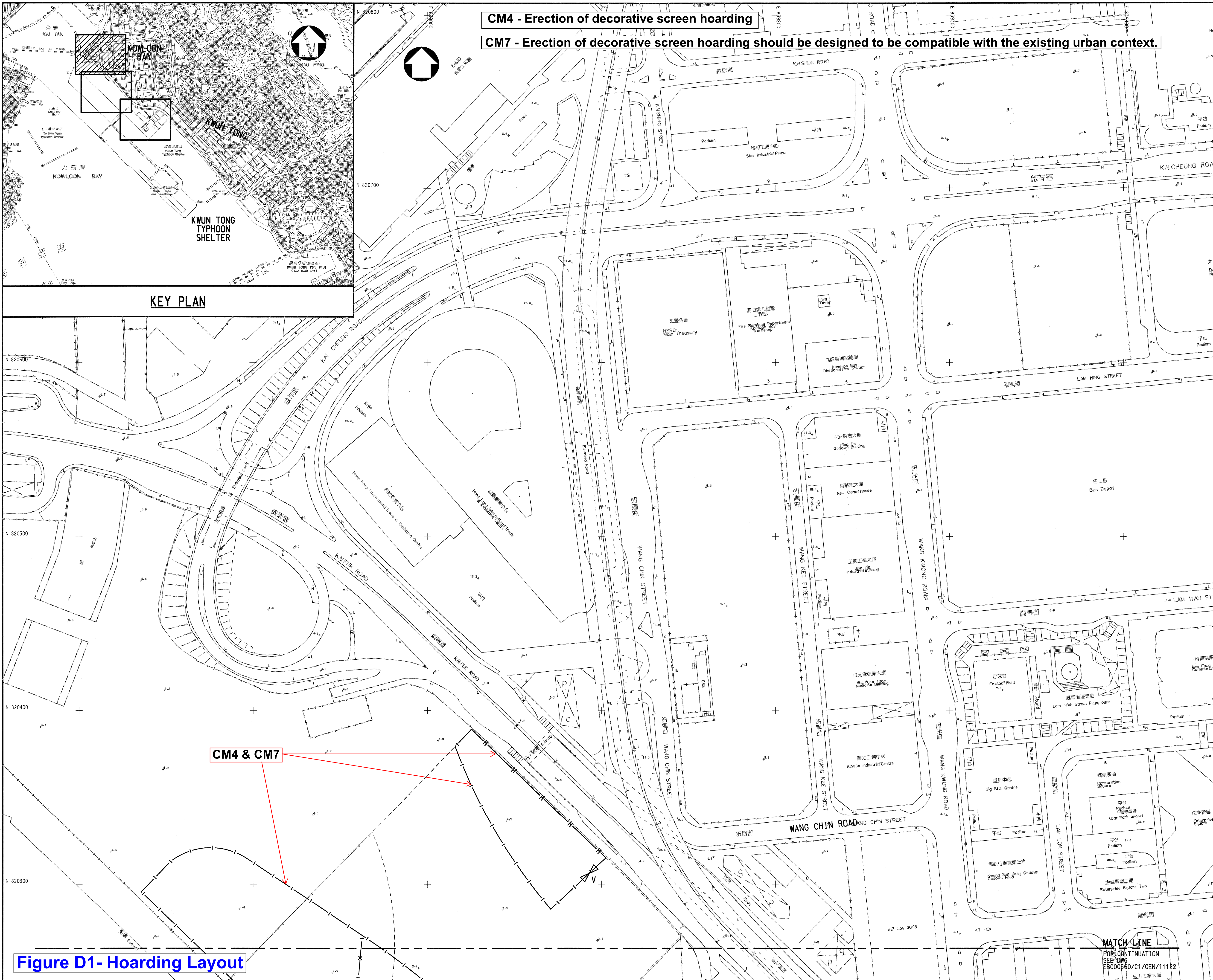
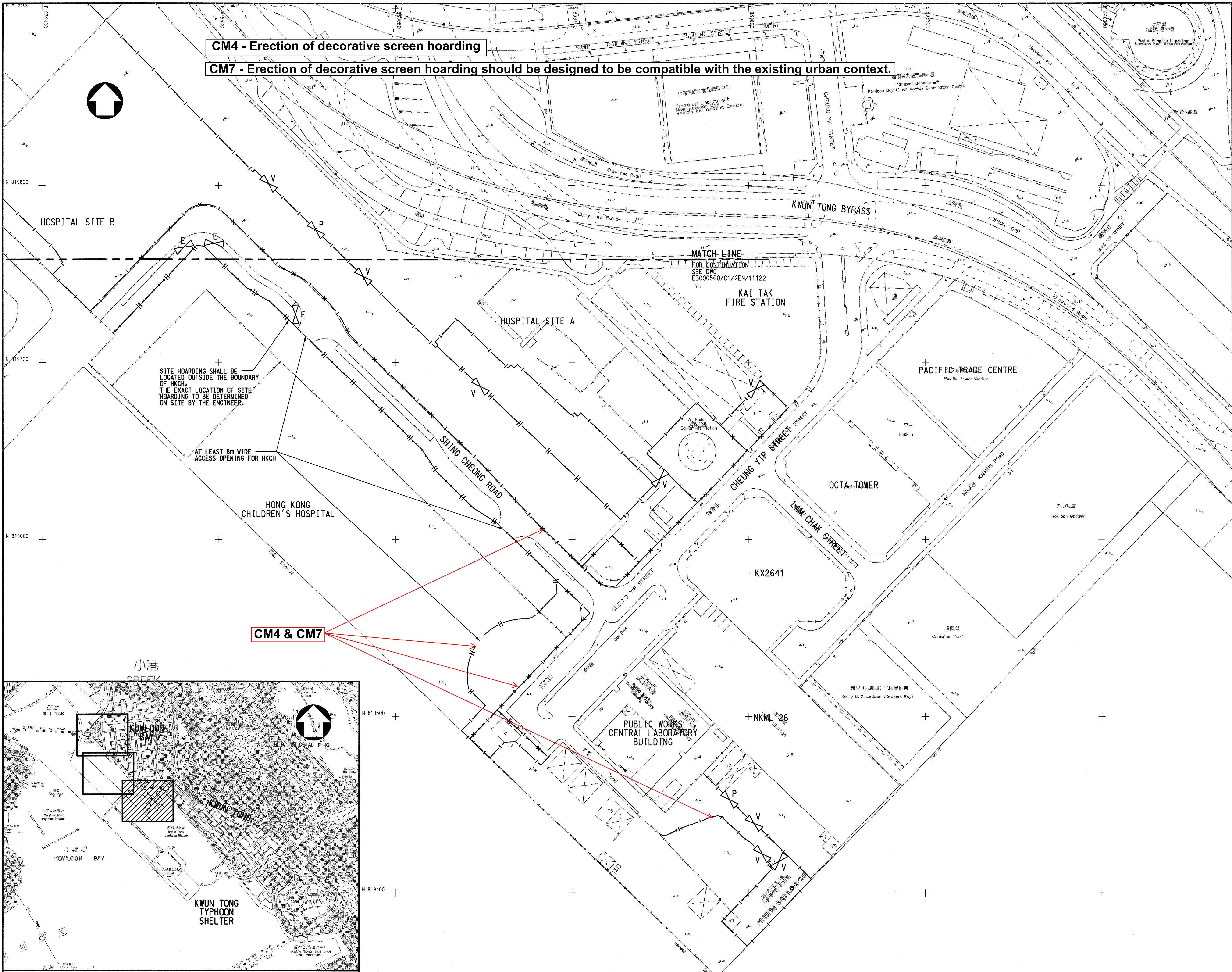


Figure D1- Hoarding Layout



CM4 - Erection of decorative screen hoarding

CM7 - Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.

SITE HOARDING SHALL BE LOCATED OUTSIDE THE BOUNDARY OF HKCH. THE EXACT LOCATION OF SITE HOARDING TO BE DETERMINED ON SITE BY THE ENGINEER.

AT LEAST 8m WIDE ACCESS OPENING FOR HKCH

HONG KONG CHILDREN'S HOSPITAL

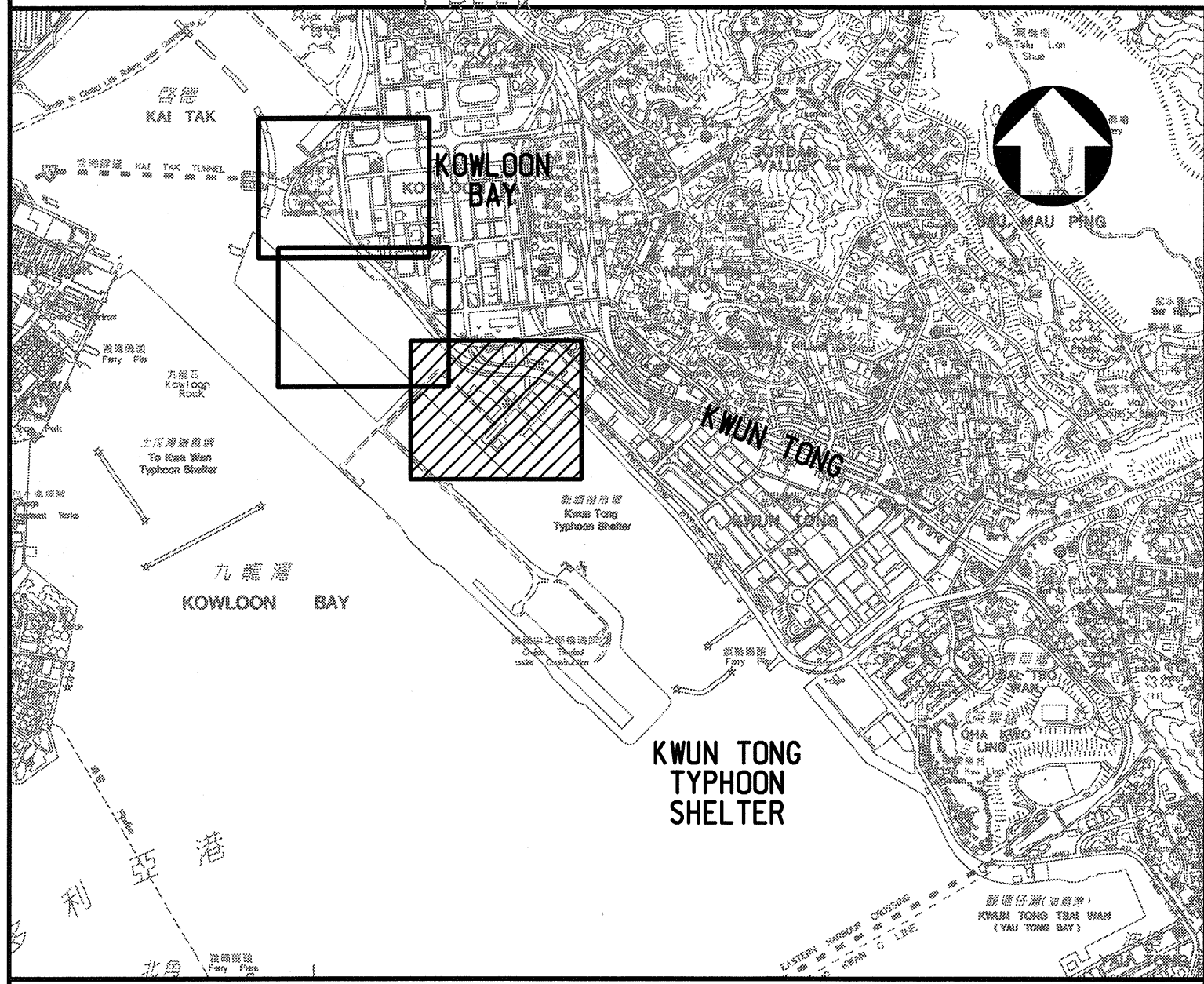
MATCH LINE
FOR CONTINUATION
SEE DWG
EBO00560/C1/GEN/11122
KAI TAK
FIRE STATION

PACIFIC TRADE CENTRE
Pacific Trade Centre

OCTA TOWER

KX2641

PUBLIC WORKS
CENTRAL LABORATORY
BUILDING



KEY PLAN

Figure D3- Hoarding Layout

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. EBO00560/C1/GEN/11121 & 11122.
2. THE BOUNDARY FENCE SHALL BE REMOVED BEFORE CONTRACT COMPLETION UPON REQUEST BY THE ENGINEER.
3. VEHICULAR GATES SHALL BE PROVIDED AT OPENINGS FOR THE CROSSING OF THE RIGHT OF WAY OF OTHER CONTRACTS.
4. THE HOARDING WILL BE PROVIDED AROUND THE CONSTRUCTION SITE OF THE SUPPORTING UNDERGROUND STRUCTURE.

Rev.	Date	Drawn	Description	Checked	Approved
A	MAY 2015	K.CHAN	TENDER DOCUMENT	S.MAK	J.PENNY



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Development Department
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Kowloon Development Office

PROJECT
CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

TITLE
**CHAIN LINK FENCE
AND HOARDING
LAYOUT PLAN**
(SHEET 3 OF 3)

DESIGNED	T. HUNG	CHECKED	S. MAK
DRAWN	K. CHAN	APPROVED	J. PENNY
SCALE AT A1	STATUS	CONTRACT	REV
1 : 1000			A
Drawing No.			
EBO00560/C1/GEN/11123			
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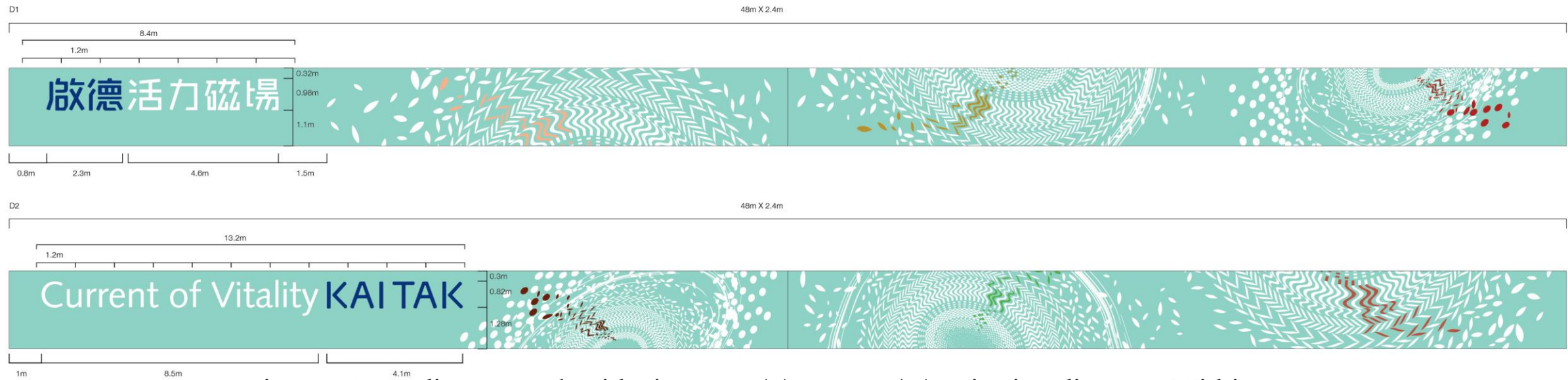


Figure 3 Hoarding artwork with size 24m (L) x 2.4m (H); Viewing distance: Within 200m



Figure 4 Hoarding artwork with size 24m (L) x 2.4m (H); Viewing distance: 200m and over

CM4 - Erection of decorative screen hoarding

CM7 - Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.

Figure D4- Decorative Screen Hoarding Design

Appendix E

Tree Survey Schedule

Appendix B - Tree Survey Schedule

PROJECT TITLE:

Kai Tak Development – Stage 3 Infrastructure Works for Development at the Southern Part of the Former Runway

Date: 30 November 2019

CONTRACT NO.:

KL/2014/03

Surveyor: Cho Shek Man

Tree No.	Equivalent Tree No. in Drawing No. 60022408/S3/1731	Species		Measurement			Health Condition	Form	Structural Condition	Amenity Value	Suitability for Transplanting	Recommendation	Location	Remark
		Scientific Name	Chinese Name	Height (m)	DBH (mm)	Crown Spread (m)	good/fair/poor			high/medium/low		Retain/Fell	Drawing No.	
175A	-	-	-	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81732	Missing
175B	-	-	-	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81732	Missing
A036	-	<i>Leucaena leucocephala</i>	銀合歡	9	180	5	Fair	Fair	Fair	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
A037	T717	<i>Leucaena leucocephala</i>	銀合歡	7	270	7	Fair	Poor	Poor	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
A038	T718	<i>Leucaena leucocephala</i>	銀合歡	8	210	5	Fair	Fair	Fair	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
A0175	T727	<i>Leucaena leucocephala</i>	銀合歡	10	240	5	Fair	Fair	Fair	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
A0176	T728	<i>Leucaena leucocephala</i>	銀合歡	10	300	5	Fair	Fair	Fair	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
A0177	T726	<i>Leucaena leucocephala</i>	銀合歡	10	340	7	Fair	Poor	Fair	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
A0178	T729	<i>Ficus subpisocarpa</i>	筆管榕	6	230	3	Fair	Fair	Fair	Low	Low	Retain	EB000560/C1/GEN/81743	Felled
B1	-	<i>Ficus microcarpa</i>	榕樹(細葉榕)	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81734	Felled
T719	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T720	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T721	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T722	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T723	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T730	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T731	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T736	-	<i>Macaranga tanarius</i>	血桐	185+180	5	5	Poor	Poor	Poor	Low	Low	Fell	60022408/S3/1731	Sparse foliage; Co-dominant trunks; Wound; Restricted roots
T738	-	<i>Leucaena leucocephala</i>	銀合歡	150	6	3	Fair	Poor	Poor	Low	Low	Fell	60022408/S3/1731	Asymmetric crown; Dead branch
T739	-	-	-	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Missing
T740	-	Dead Tree	死樹	400	7	3	-	-	-	-	-	Fell	60022408/S3/1731	Absence of foliage; Dehydrated wood tissue

Appendix B - Tree Survey Schedule

PROJECT TITLE:

Kai Tak Development – Stage 3 Infrastructure Works for Development at the Southern Part of the Former Runway

Date: 30 November 2019

CONTRACT NO.:

KL/2014/03

Surveyor: Cho Shek Man

Tree No.	Equivalent Tree No. in Drawing No. 60022408/S3/1731	Species		Measurement			Health Condition	Form	Structural Condition	Amenity Value	Suitability for Transplanting	Recommendation	Location	Remark
		Scientific Name	Chinese Name	Height (m)	DBH (mm)	Crown Spread (m)	good/fair/poor			high/medium/low		Retain/Fell	Drawing No.	
T741	-	-	-	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Missing
T770	-	<i>Leucaena leucocephala</i>	銀合歡	510+360	13	13	Fair	Poor	Fair	Low	Low	Fell	60022408/S3/1731	Hanger; Stub; Co-dominant trunks; Leaning; Wound
T772	-	<i>Livistona chinensis</i>	蒲葵	240	3	2	Fair	Fair	Fair	Medium	Medium	Fell	60022408/S3/1731	-
T773	-	<i>Livistona chinensis</i>	蒲葵	330	6	3	Fair	Fair	Fair	Medium	Medium	Fell	60022408/S3/1731	-
T805	-	-	-	-	-	-	-	-	-	-	-	-	60022408/S3/1731	Missing; Tree outside tree survey boundary
T807	-	-	-	-	-	-	-	-	-	-	-	Retain	60022408/S3/1731	Missing
T808	-	<i>Leucaena leucocephala</i>	銀合歡	180	10	6	Fair	Poor	Fair	Low	Low	Fell	60022408/S3/1731	Wound; Restricted roots
T809	-	<i>Leucaena leucocephala</i>	銀合歡	160	11	6	Fair	Fair	Fair	Low	Low	Fell	60022408/S3/1731	Restricted roots
T811	-	<i>Melia azedarach</i>	苦楝	175	11	4	Fair	Fair	Fair	Medium	Medium	Fell	60022408/S3/1731	Exposed roots
T812	-	<i>Leucaena leucocephala</i>	銀合歡	170	10	4	Fair	Fair	Fair	Low	Low	Fell	60022408/S3/1731	-
T813	-	<i>Leucaena leucocephala</i>	銀合歡	175	11	5	Fair	Fair	Fair	Low	Low	Fell	60022408/S3/1731	-
T814	-	<i>Melia azedarach</i>	苦楝	250	10	4	Fair	Fair	Fair	Medium	Medium	Fell	60022408/S3/1731	-
T815	-	<i>Melia azedarach</i>	苦楝	190	10	4	Fair	Fair	Fair	Medium	Medium	Fell	60022408/S3/1731	Parasitic plants
T825	-	-	-	-	-	-	-	-	-	-	-	Retain	60022408/S3/1731	Missing
T826	-	<i>Leucaena leucocephala</i>	銀合歡	200	9	4	Fair	Poor	Fair	Low	Low	Fell	60022408/S3/1731	Broken branch
T828	-	<i>Leucaena leucocephala</i>	銀合歡	170	5	5	Fair	Poor	Poor	Low	Low	Fell	60022408/S3/1731	Asymmetric crown; Leaning; Exposed roots
T829	-	<i>Melia azedarach</i>	苦楝	205	8	5	Fair	Poor	Fair	Medium	Medium	Fell	60022408/S3/1731	Asymmetric crown
TE266	-	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE267	-	<i>Leucaena leucocephala</i>	銀合歡	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE268	-	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE269	-	<i>Leucaena leucocephala</i>	銀合歡	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled

Appendix B - Tree Survey Schedule

PROJECT TITLE:

Kai Tak Development – Stage 3 Infrastructure Works for Development at the Southern Part of the Former Runway

Date: 30 November 2019

CONTRACT NO.:

KL/2014/03

Surveyor: Cho Shek Man

Tree No.	Equivalent Tree No. in Drawing No. 60022408/S3/1731	Species		Measurement			Health Condition	Form	Structural Condition	Amenity Value	Suitability for Transplanting	Recommendation	Location	Remark
		Scientific Name	Chinese Name	Height (m)	DBH (mm)	Crown Spread (m)	good/fair/poor			high/medium/low		Retain/Fell	Drawing No.	
TE270	-	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE270A	-	-	-	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Missing
TE271	-	-	-	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Missing
TE272	-	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE273	-	<i>Leucaena leucocephala</i>	銀合歡	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE274	-	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE275	-	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Felled
TE276	-	-	-	-	-	-	-	-	-	-	-	Fell	60022408/S3/1731	Missing
TE279	-	-	-	-	-	-	-	-	-	-	-	Retain	60022408/S3/1731	Missing
TE282	-	-	-	-	-	-	-	-	-	-	-	Retain	60022408/S3/1731	Missing
TE284	-	-	-	-	-	-	-	-	-	-	-	Retain	60022408/S3/1731	Missing
TE286	-	-	-	-	-	-	-	-	-	-	-	Retain	60022408/S3/1731	Missing
TE287	-	<i>Macaranga tanarius</i>	血桐	175	4.5	5	Fair	Fair	Fair	Low	Low	Fell	60022408/S3/1731	Wound
TE288	-	<i>Macaranga tanarius</i>	血桐	180	5	5	Fair	Fair	Fair	Low	Low	Fell	60022408/S3/1731	-
TE289	-	<i>Leucaena leucocephala</i>	銀合歡	165	11	4	Fair	Fair	Fair	Low	Low	Fell	60022408/S3/1731	Exposed roots
TE290	-	<i>Leucaena leucocephala</i>	銀合歡	245	1.5	1	Poor	Poor	Poor	Low	Low	Fell	60022408/S3/1731	Topped
TR74	-	<i>Ficus microcarpa</i>	榕樹(細葉榕)	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81733	Felled
TR75	-	<i>Ficus virens</i> var. <i>sublanceolata</i>	大葉榕(黃葛樹)	12	330	9	Fair	Fair	Fair	Medium	Medium	Retain	EB000560/C1/GEN/81742	Epicormics
TR77	-	<i>Bischofia javanica</i> (syn. <i>Bischofia trifoliata</i>)	秋楓	10	280+265	4	Fair	Fair	Fair	Medium	Medium	Retain	EB000560/C1/GEN/81742	Co-dominant trunks
TR81	-	<i>Melaleuca quinquenervia</i>	白千層	10	230	4	Fair	Fair	Fair	Low	Medium	Retain	EB000560/C1/GEN/81742	-
TR83	-	<i>Melaleuca quinquenervia</i>	白千層	11	260	4	Fair	Fair	Fair	Low	Medium	Retain	EB000560/C1/GEN/81742	-

Appendix B - Tree Survey Schedule

PROJECT TITLE:

Kai Tak Development – Stage 3 Infrastructure Works for Development at the Southern Part of the Former Runway

Date: 30 November 2019

CONTRACT NO.:

KL/2014/03

Surveyor: Cho Shek Man

Tree No.	Equivalent Tree No. in Drawing No. 60022408/S3/1731	Species		Measurement			Health Condition	Form	Structural Condition	Amenity Value	Suitability for Transplanting	Recommendation	Location	Remark
		Scientific Name	Chinese Name	Height (m)	DBH (mm)	Crown Spread (m)	good/fair/poor			high/medium/low		Retain/Fell	Drawing No.	
TR84	T715	<i>Ficus subpisocarpa</i>	筆管榕	4	250	6	Fair	Poor	Fair	Low	Low	Fell	EB000560/C1/GEN/81734	Tree growing on road curb; Restricted root
TR86	T716	Dead Tree	死樹	1	100	2	-	-	-	-	-	Fell	EB000560/C1/GEN/81734	Absence of foliage; Dehydrated wood tissue
TR87	-	<i>Melaleuca quinquenervia</i>	白千層	11	210	4	Fair	Fair	Fair	Low	Medium	Retain	EB000560/C1/GEN/81742	-
TR89	-	<i>Senna siamea</i> (syn. <i>Cassia siamea</i>)	鐵刀木	9	210	5	Fair	Fair	Fair	Low	Medium	Retain	EB000560/C1/GEN/81742	Epicormics, Dead twigs
TR114	-	<i>Senna siamea</i> (syn. <i>Cassia siamea</i>)	鐵刀木	8	190	5	Fair	Fair	Fair	Low	Medium	Retain	EB000560/C1/GEN/81742	Dead twigs
TR121	TE281	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81734	Felled
TR122	TE280	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81734	Felled
TR123	TE278	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81734	Felled
TR124	TE277	<i>Archontophoenix alexandrae</i>	假檳榔	-	-	-	-	-	-	-	-	Fell	EB000560/C1/GEN/81734	Felled

* Proposed recommendation for trees surveyed on site

1. Proposed recommendation for tree(s) is based on information shown on drawing no. EB000560/C1/GEN/81732, EB000560/C1/GEN/81733, EB000560/C1/GEN/81734, EB000560/C1/GEN/81742, EB000560/C1/GEN/81743 and 60022408/S3/1731.

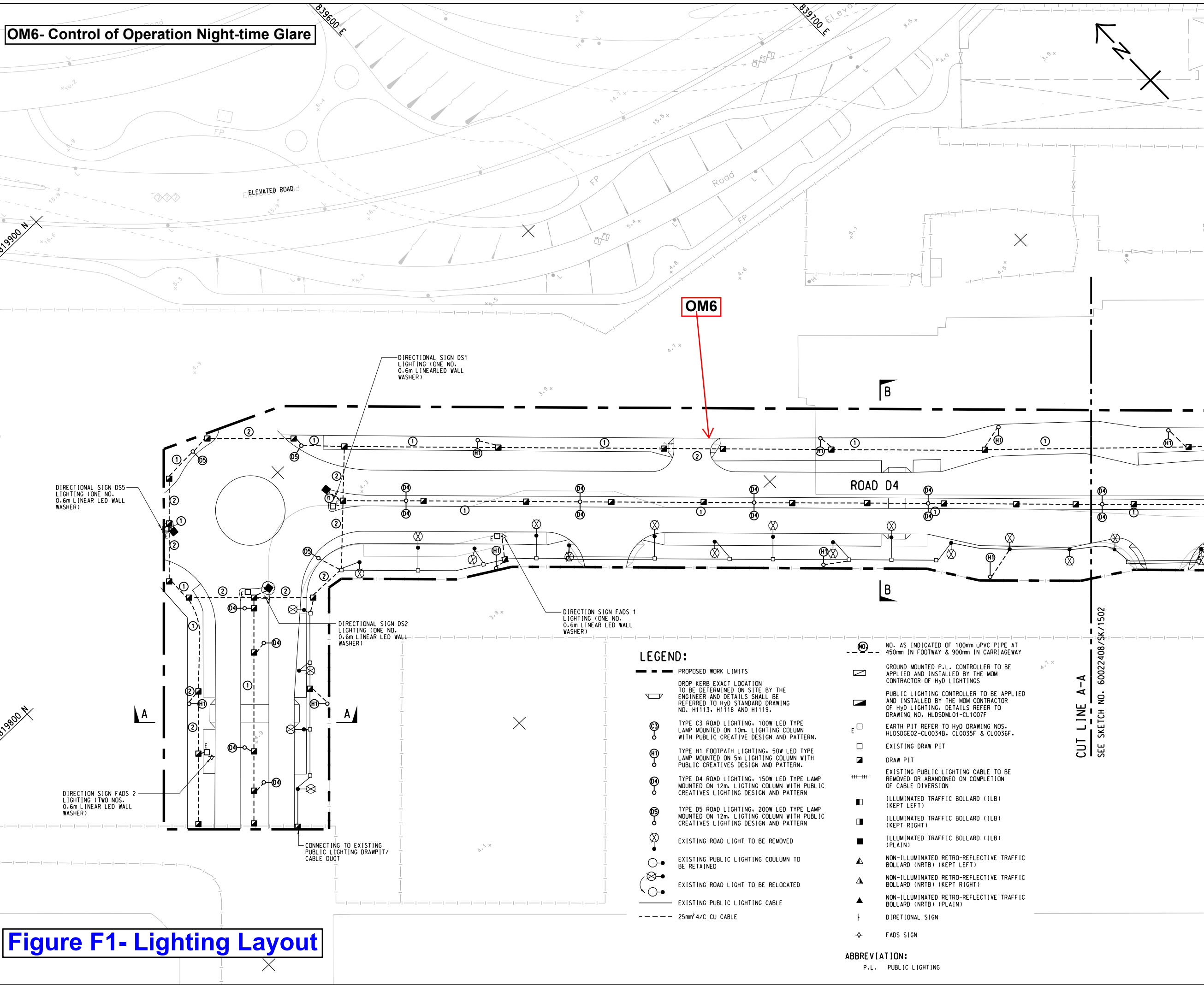
2. The surveyed tree(s) is/are highlighted in the tree location plan.

3. If there is any inconsistency or ambiguity between the drawing originated by AECOM and those provided by Hyder-Meinhardt JV, drawings originated by Hyder-Meinhardt JV should prevail.

Appendix F

Lighting Layout

OM6- Control of Operation Night-time Glare



KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60022408/SK/1502 TO 1505.
- ALL EXCAVATION FOR LIGHTING COLUMN FOOTINGS, CABLE TRENCHES, DUCTINGS AND THE ASSOCIATED CIVIL WORKS SHOULD BE CONDUCTED BY THE CONTRACTOR.
- TEMPORARY TRAFFIC ARRANGEMENT SHALL BE DESIGNED. SEEK APPROVAL FROM AUTHORITIES. IMPLEMENT, MAINTAIN AND REMOVAL BY THE CONTRACTOR FOR THE HYD'S INSTALLATION/RELOCATION/REMOVAL OF ROAD LIGHTING AT JUNCTION IMPROVEMENT AT CHEUNG YIP STREET & HOI BUN ROAD.
- THE LIGHTING LAYOUT IS UPDATED BASED ON HYD/LIGHTING WORKS ORDERS NOS. P919L0118074 & P919T0118075. THE EXACT LOCATION AND NUMBER OF DUCTS, DRAW PITS AND EARTH PITS SHALL BE DETERMINED ON SITE AND AGREED WITH THE MOM CONTRACTOR OF HYD/LIGHTING.
- MOUNTING DETAIL OF LIGHTING FOR DIRECTIONAL SIGNS SHALL FOLLOW HYD STANDARD DRAWINGS.
- PLASTIC PLUGS SHALL BE INSTALLED ON KEY HOLES, WITH RELEVANT DETAILS AGREED BY THE ENGINEER.

Rev.	Date	Drawn	Description	Checked	Approved
H	MAR 2021	PS	GENERAL REVISION	JC	PL
G	JUN 2020	PS	GENERAL REVISION	JC	PL
F	APR 2020	PS	GENERAL REVISION	JC	PL
E	JAN 2020	PS	GENERAL REVISION	JC	PL
D	OCT 2019	PS	GENERAL REVISION	PL	CW
C	JUN 2019	PS	GENERAL REVISION	SN	CW
B	FEB 2018	PS	GENERAL REVISION	PL	CW
A	FEB 2018	PS	GENERAL REVISION	PL	CW
-	AUG 2017	PS	FIRST ISSUE	PL	CW

Hyder MEIN-HARDT
Hyder-Meinhardt JV

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East Development Office

PROJECT
CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE
LIGHTING LAYOUT

SHEET 1 OF 3

DESIGNED	KWM	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1	STATUS	REV
A1 1 : 500 A3 1 : 1000	DETAILED DESIGN	H

SITE SKETCH NO.
60022408/SK/1501

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Figure F1- Lighting Layout

PRINTED BY: PatrickShum 6/2/2020 2:15:27 PM
FILENAME: Z:\Drawings-Sketches\Site Sketches\CAD\60022408_SK_1502_E.dgn

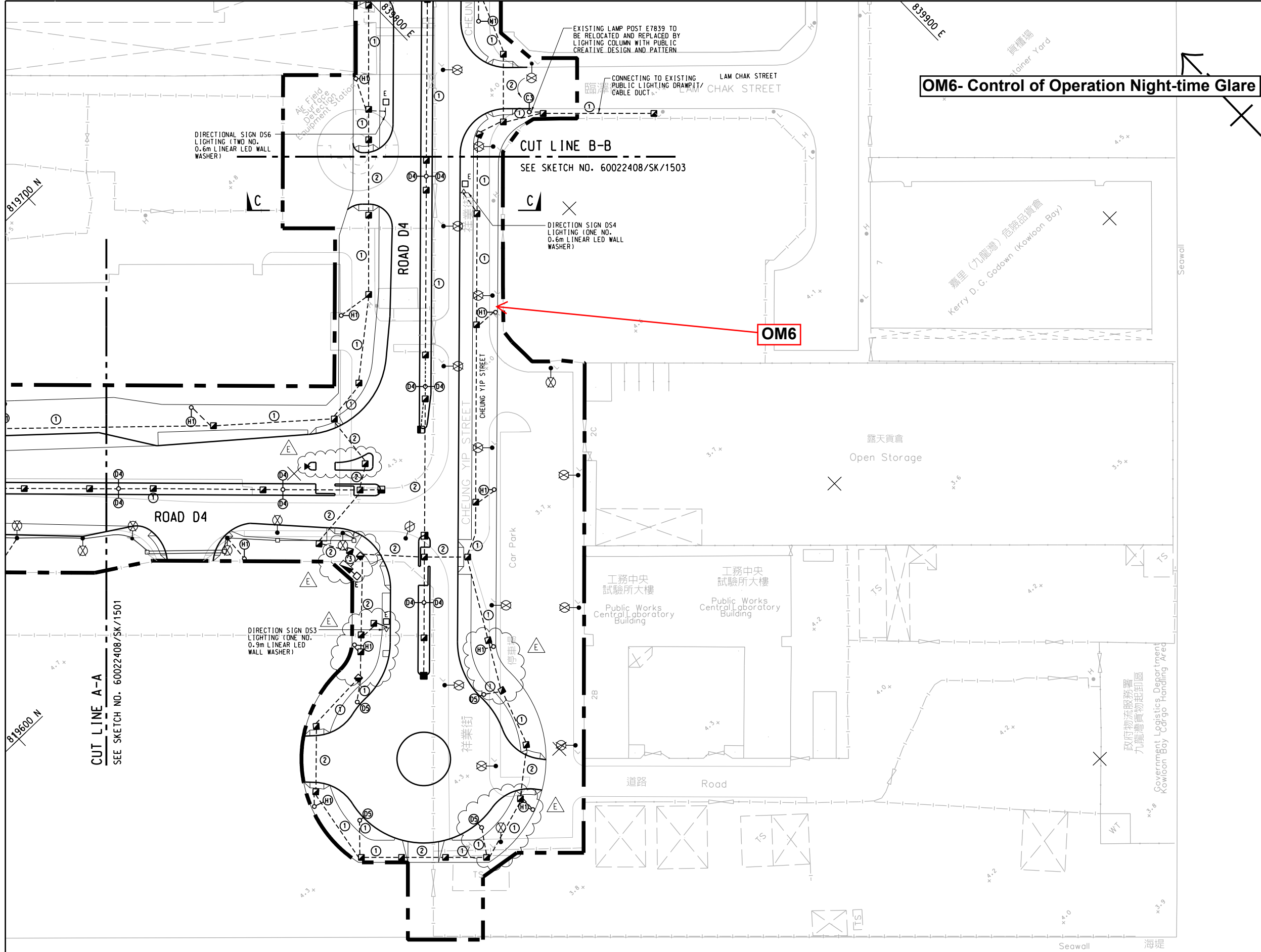


Figure F2- Lighting Layout

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:
1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60022408/SK/1501.

E	JUN 2020	PS	GENERAL REVISION	JC	PL
D	APR 2020	PS	GENERAL REVISION	JC	PL
C	JAN 2020	PS	GENERAL REVISION	JC	PL
B	OCT 2019	PS	GENERAL REVISION	SN	CW
A	JUN 2019	PS	GENERAL REVISION	SN	CW
-	FEB 2017	PS	GENERAL REVISION	PL	CW
Rev.	Date	Drawn	Description	Checked	Approved

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Kowloon Development Office

PROJECT

CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE

LIGHTING LAYOUT

SHEET 2 OF 3

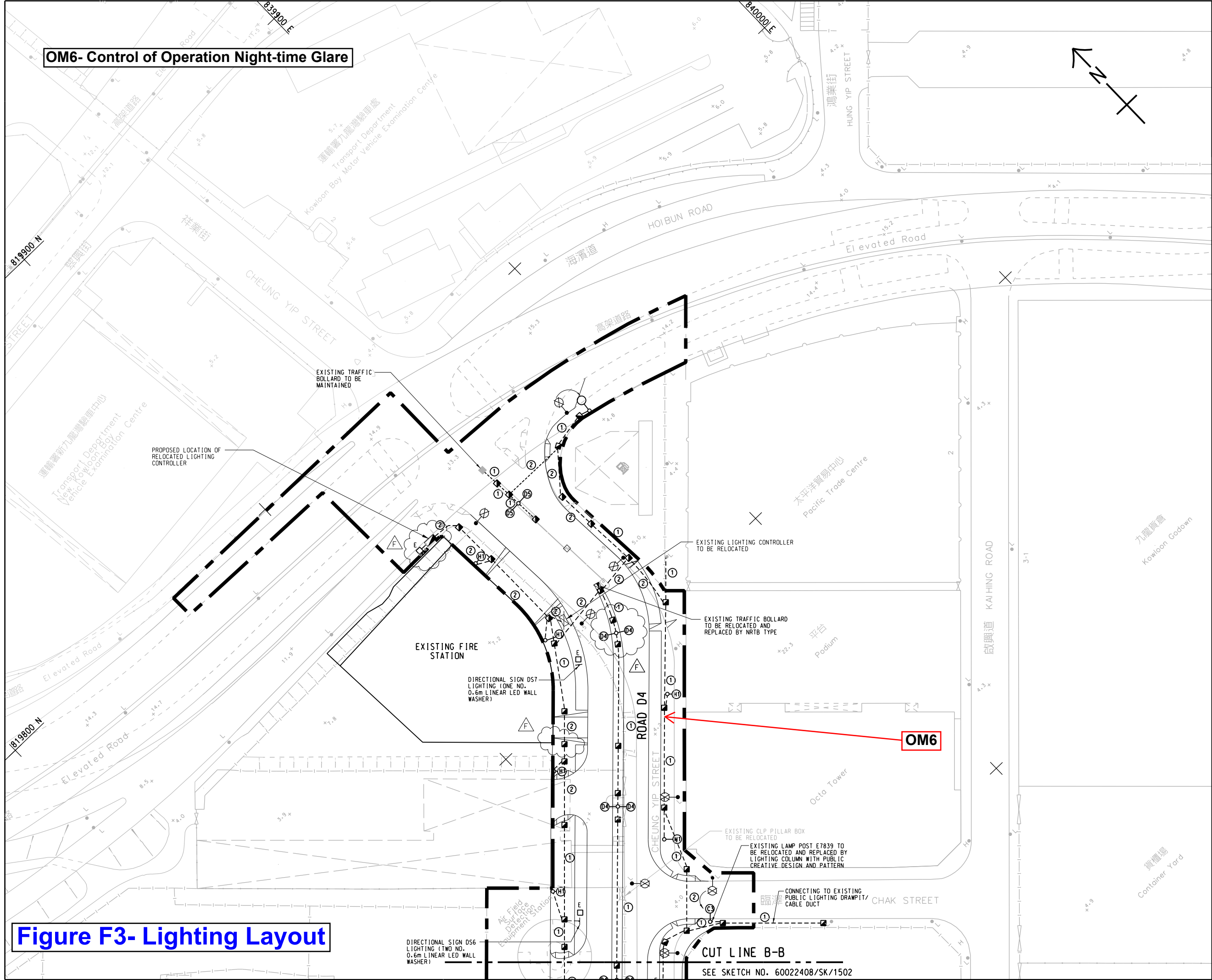
DESIGNED	MT	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1 A1 1 : 500 A3 1 : 1000	STATUS DETAILED DESIGN	REV E
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SITE SKETCH NO.

60022408/SK/1502

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OM6- Control of Operation Night-time Glare

Figure F3- Lighting Layout

KEY PLAN
SCALE A1 1 : 10000
A3 1 : 20000

NOTE:
1. FOR NOTES AND LEGEND REFER TO DRAWING NO. 60022408/SK/1501.

G	JUN 2020	PS	GENERAL REVISION	JC	PL
F	APR 2020	PS	GENERAL REVISION	JC	PL
E	JAN 2020	PS	GENERAL REVISION	JC	PL
D	OCT 2019	PS	GENERAL REVISION	PL	CW
C	JUN 2019	PS	GENERAL REVISION	SN	CW
B	FEB 2018	PS	GENERAL REVISION	PL	CW
A	FEB 2018	PS	GENERAL REVISION	PL	CW
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CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR DEVELOPMENTS AT THE SOUTHERN PART OF THE FORMER RUNWAY

TITLE

LIGHTING LAYOUT

SHEET 3 OF 3

DESIGNED	MT	CHECKED	JC
DRAWN	PS	APPROVED	PL

SCALE AT A1 A1 1 : 500 A3 1 : 1000	STATUS DETAILED DESIGN	REV G
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SITE SKETCH No.

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Appendix G

Design For Public Creatives Furniture



800x100x60
CONCRETE PAVER PATTERN : A
COLOR : LIGHT GREY & MEDIUM GREY

800x100x60
CONCRETE PAVER PATTERN : B
COLOR : LIGHT GREY & MEDIUM GREY

PAVER BLOCK TO BE PATTERNED = 72 PCS OF 200x100 = 18 SETS OF PATTERN PAVER (4 CONTINUED PCS)



SECTION 2

TYPICAL GROOVE DETAIL FOR PAVER 2

NOTES:

1. THE GROOVE OF THE PATTERN SHOULD NOT BE DEEPER THAN 1.5mm.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. 60022408/S3/1721 TO 1724.

-	MAY 2018	PS	FIRST ISSUE	SN	CW
Rev.	Date	Drawn	Description	Checked	Approved



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INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

TITLE	
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PUBLIC CREATIVES
FURNITURE - GRAPHIC
PATTERNED FLOOR PAVER

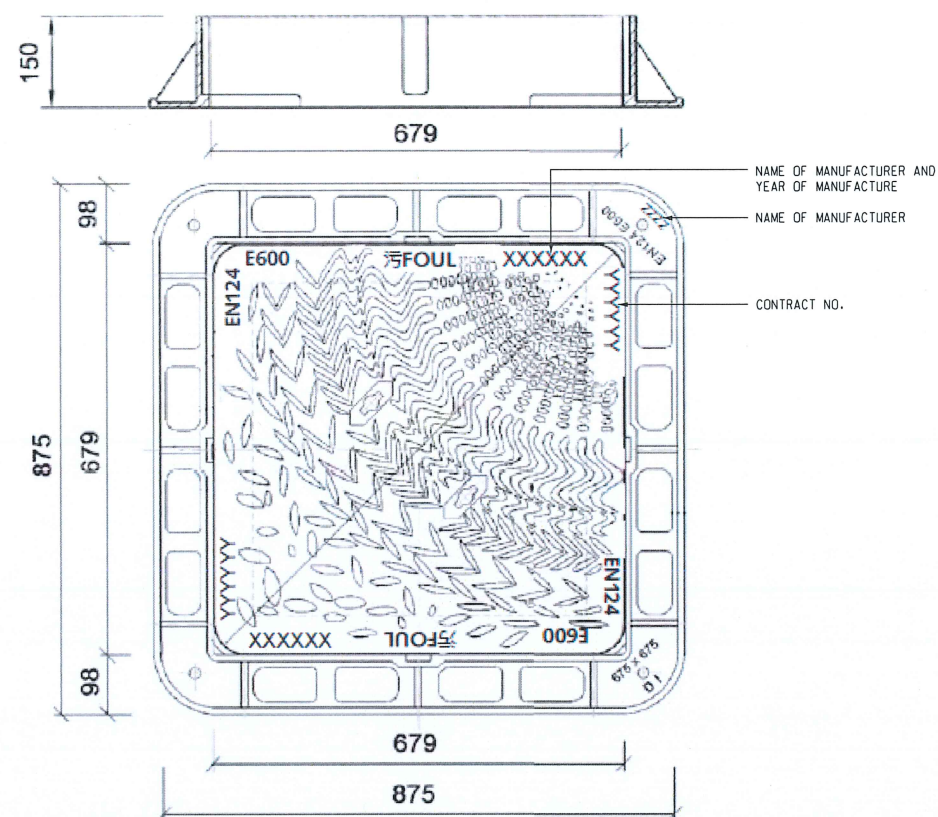
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DRAWN	PS	APPROVED	CW
SCALE AT A1	STATUS		REV
N.T.S.			-

SITE SKETCH No. _____

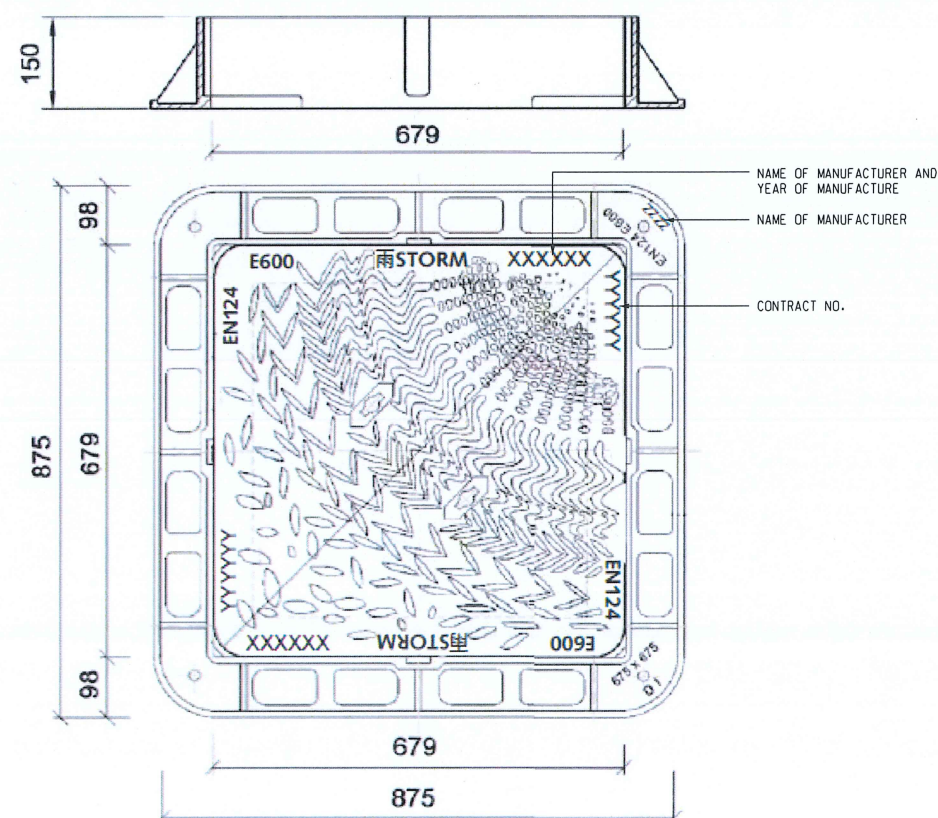
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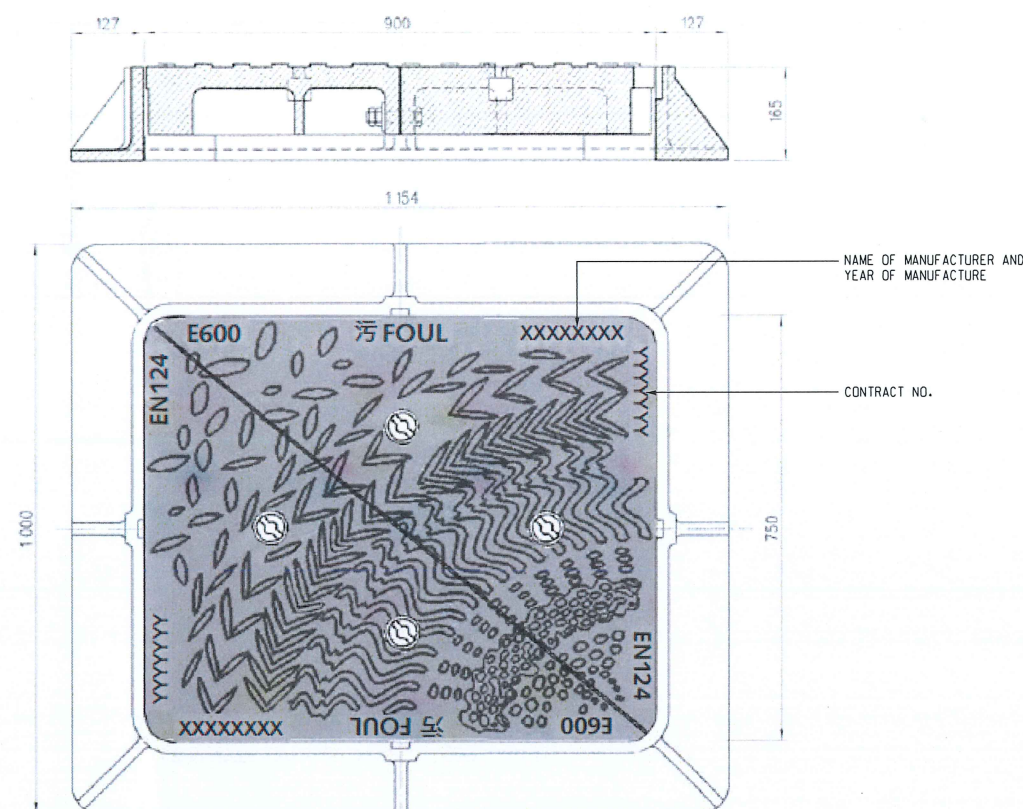
Figure G2- Public Creatives Furniture - Manhole Cover



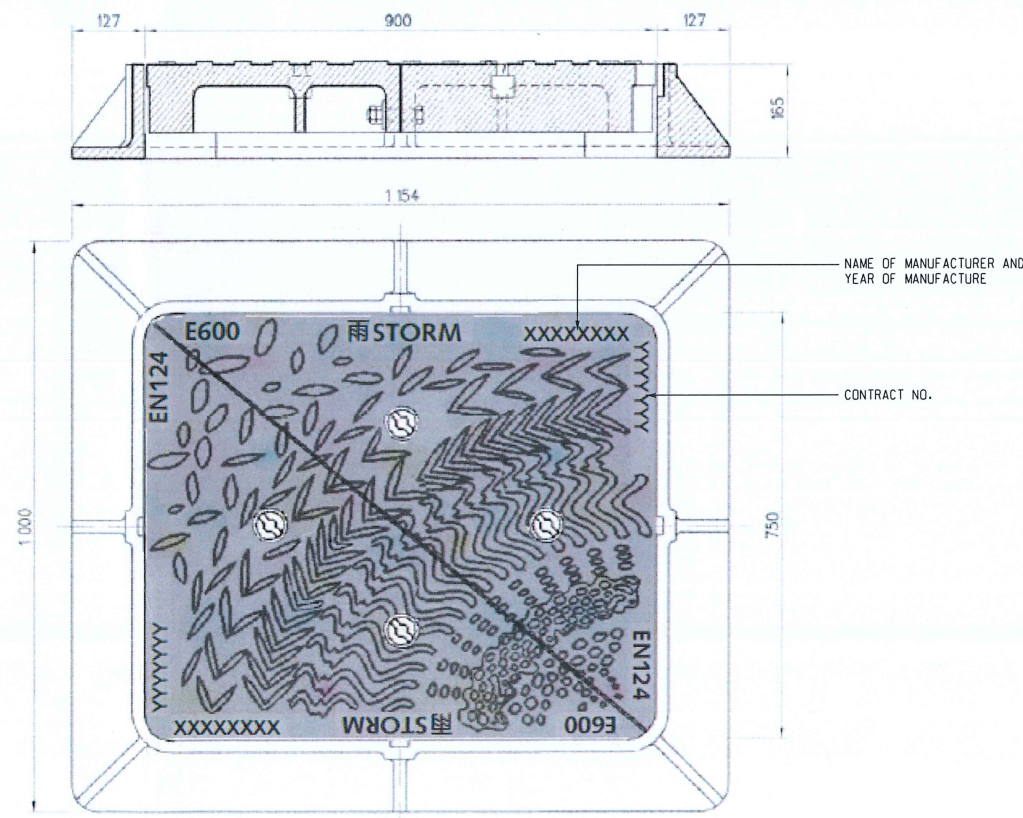
STANDARD 675 SQUARE DOUBLE
TRIANGULAR DUCTILE IRON MANHOLE
COVER CLASS E600 (FOUL)



STANDARD 675 SQUARE DOUBLE
TRIANGULAR DUCTILE IRON MANHOLE
COVER CLASS E600 (STORM)



STANDARD DUCTILE IRON
DESILTING MANHOLE COVER (FOUL)



STANDARD DUCTILE IRON
DESILTING MANHOLE COVER (STORM)

NOTES:

1. DIMENSIONS ARE IN MILLIMETERS.
2. ALL CAST UNITS SHALL BE COATED WITH 2 LAYERS OF BLACK NON-TOXIC WATER-BASED BITUMENT COATING TO BS3416.
3. DUCTILE IRON IS TO CONFORM WITH GRADE EN-GJS-500-7 OF BSEN 1563.
4. MANHOLE COVER IS CONFORM WITH BSEN124.
5. COVER AND FRAME DETAILS DIMENSION ARE SAME AS DSD DRAWING NO. DS1034B AND DS1077A.
6. APPROX. WEIGHT OF STANDARD 675 SQUARE DOUBLE TRIANGULAR D.I. COVER:110KG, FRAME : 58KG.
7. APPROX. WEIGHT OF DESILTING MANHOLE COVER:290KG, FRAME : 165KG.
8. CLASS OF MANHOLE COVER SHALL BE E600.
9. LOCATION OF PUBLIC CREATIVES PATTERN COVERS SHALL READ IN CONJUNCTION WITH DRAWING NO. 60022408/SK/1301 TO 1303 AND 1321 TO 1323.

A

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A	APR 2020	PS	GENERAL REVISION	JT	PL
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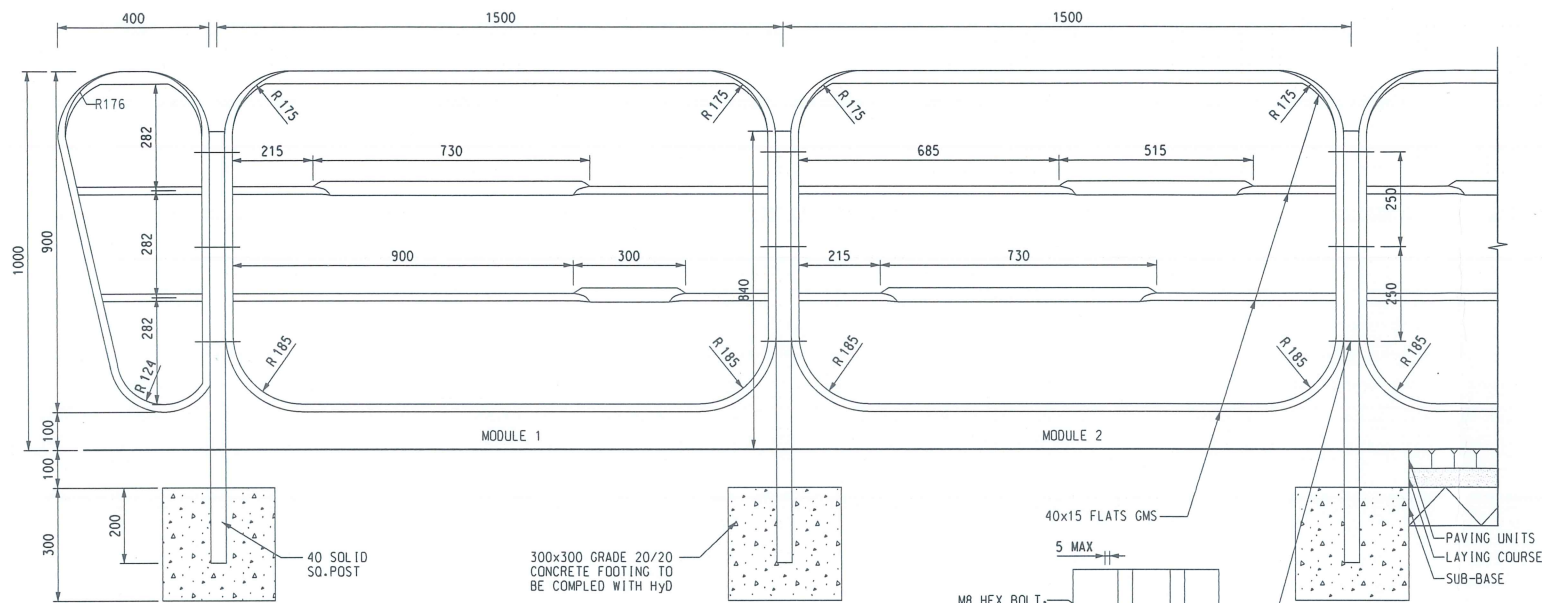
PROJECT
CONTRACT NO. KL/2014/03
KAI TAK DEVELOPMENT - STAGE 3
INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

TITLE
PUBLIC CREATIVES
FURNITURE - PATTERN ON
DUCTILE IRON MANHOLE COVER

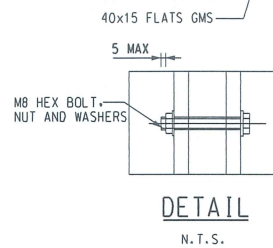
DESIGNED	MT	CHECKED	JT
DRAWN	PS	APPROVED	PL
SCALE AT A1	STATUS	REV	
N.T.S.	-	A	

SITE SKETCH NO.
60022408/SK/8002

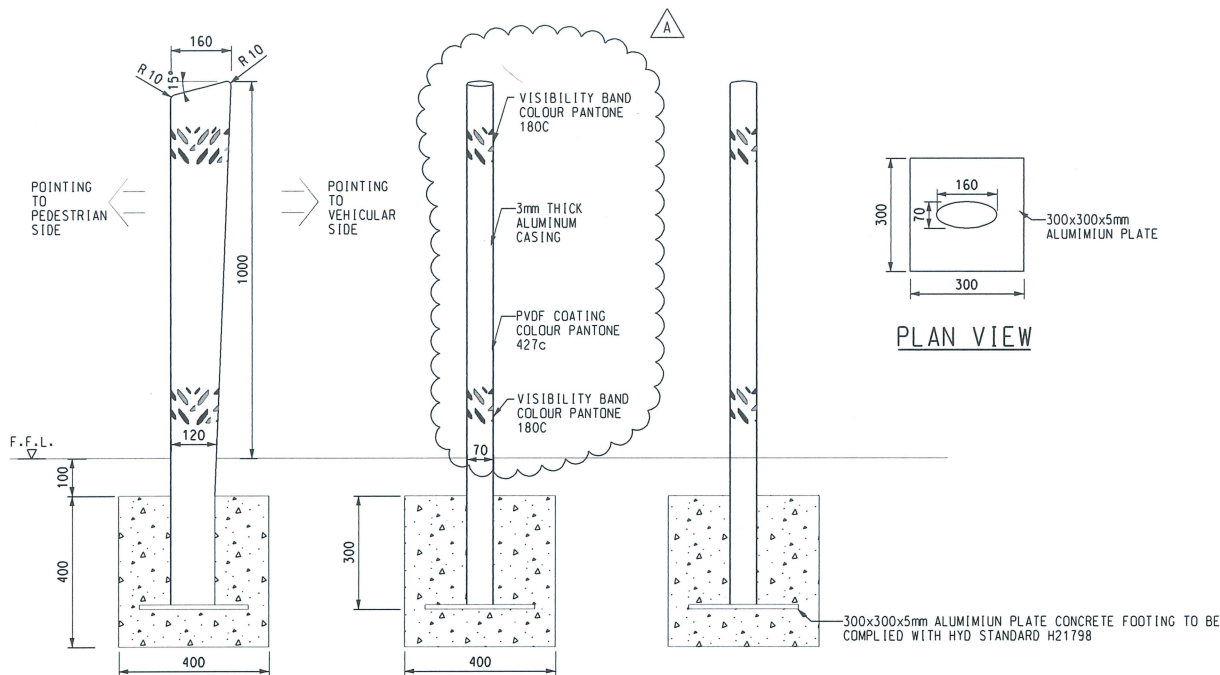
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RAILING
SCALE 1:10



DETAIL
N.T.S.

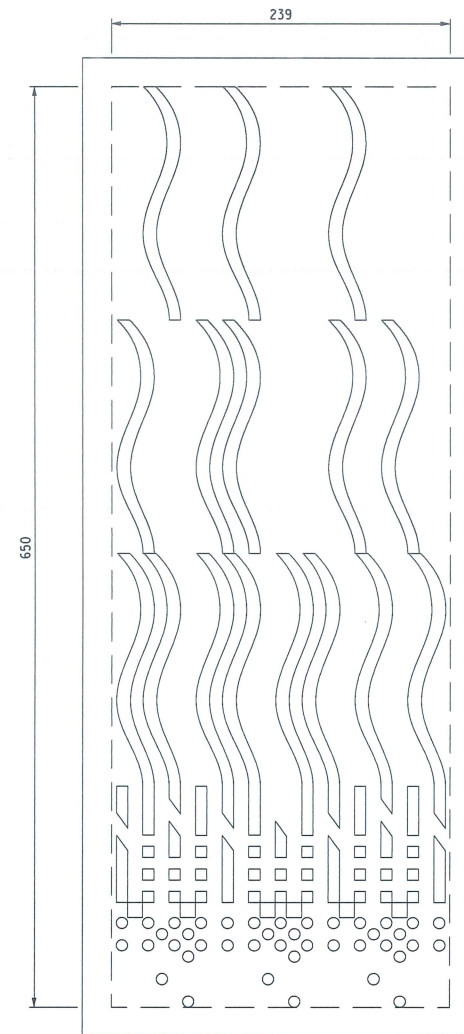


SIDE VIEW

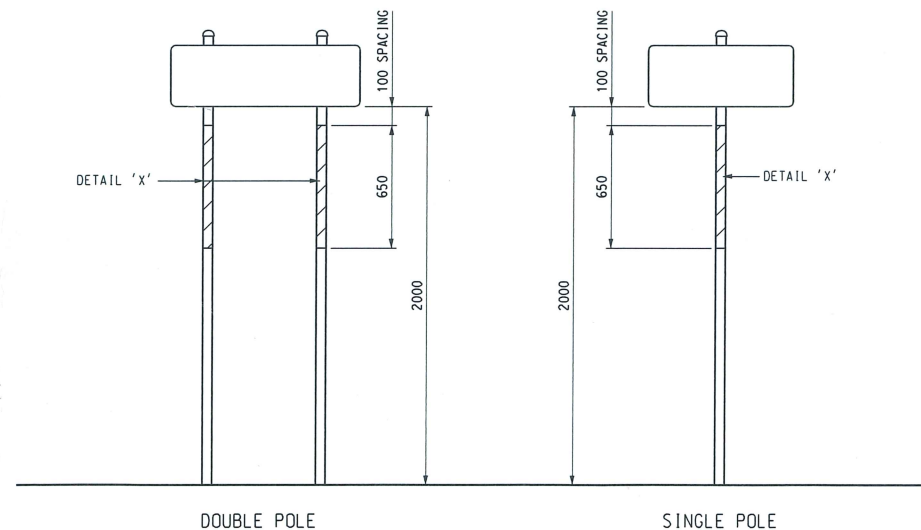
ELEVATION
FROM PEDESTRIAN SIDE

ELEVATION
FROM VEHICULAR SIDE

BOLLARD
N.T.S.



DETAIL 'X'
N.T.S.



DOUBLE POLE

SINGLE POLE

STREET NAME POLE
N.T.S.

NOTES:

NOTES FOR PEDESTRIAN ISLAND RAILING:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
1. STEEL TO BE GRADE S275.
2. WELDS TO BE SOUND AND CONTINUOUS AVOIDING LOCKED-IN SLAG.
3. WELDING SLAG TO BE REMOVED IMMEDIATELY AFTER WELDING.
4. RAILING PANELS AFTER FABRICATION AND WELDING, POSTS, NUTS, BOLTS AND WASHERS ARE TO BE HOT DIP GALVANIZED TO BS EN ISO 1461:1999.
5. STANDARD RAILINGS TO BE INSTALLED EITHER WITH THE TOP RAIL 1000mm ABOVE THE LEVEL OF ADJACENT GROUND / PAVED SURFACE OR TO MATCH THE HEIGHT OF EXISTING RAILINGS.
6. EXPANSION JOINT DETAILS SEE DRG. NO. H2134G.
7. IN PARTICULAR CIRCUMSTANCES WHERE AGREED BY HIGHWAYS DEPARTMENT AND TRANSPORT DEPARTMENT, THE OVERALL HEIGHT OF THE RAILING MAY BE INCREASED TO 1300mm.
8. WHERE THE CONCRETE FOOTING IS LOCATED IN BLOCK PAVED FOOTPATH, THE FOOTING SHOULD BE LOWERED TO ALLOW FOR THE PAVING BLOCKS AND THE SAND COURSE.
9. IN FABRICATING THE PERIMETER OF THE RAILING PANEL, A MAX. OF ONE WELDED JOINT IS ALLOWED ON EACH VERTICAL SIDE ADJOINING THE POST. THE WELD SHALL BE SINGLE-V BUTT WELD, AND BE LOCATED IN BETWEEN TWO CONNECTION BOLTS. NO JOINTING FOR THE PERIMETER IS ALLOWED ON THE TOP OR BOTTOM SIDE.

NOTES FOR BOLLARD:

1. ANY WELDING SLAG SHALL BE REMOVED WITH A CHIPPING HAMMER AND THE WELDS SHALL BE VIGOROUSLY WIRE BRUSHED.
2. AFTER MANUFACTURE, POSTS SHALL BE CLEANED AND DEGREASED PRIOR PVDF COATING.
3. ALL COATS TO BE APPLIED IN FACTORY.
4. IF THE CONSTRUCTION OF FOOTING WOULD REQUIRE DIVERSION OF UTILITIES, THE FOOTING SIZE MAY BE AMENDED SUBJECT TO APPROVAL OF ENGINEER TO AVOID OR MINIMIZE SUCH DIVERSION.
5. CONCRETE FOOTING IS LOWERED FOR THE PAVING BLOCKS AND THE SAND COURSE.
6. IF BOLLARD COLOUR CONTRASTS DISTINCTLY WITH SURROUNDING PAVING, VISIBILITY BAND MAY BE OPTIONAL SUBJECT TO APPROVAL OF ENGINEER.
7. VISIBILITY BAND OF OTHER COLOUR COMBINATION MAY BE ACCEPTABLE SUBJECT TO THE AGREEMENT OF TD AND LANDSCAPE UNIT OF HyD. THE VISIBILITY BAND IS ACCORDING TO THE HIGHWAYS STANDARD DRAWING H2179B.

NOTES FOR STREET NAME POLE:

1. THE GRAPHICS SHALL BE STENCIL-PAINTED IN COLOUR PANTONE 333C MATT FINISH ON POLE FINISH, OR INSTRUCTED BY THE ENGINEER.
2. THE FINISH COLOUR OF POLE SHALL BE WHITE TO BE 5252F CODE D555 FOR THE GRAPHICS TO BE APPLIED ON. THE FINISHING COLOUR SHALL BE GREY FOR POLE WITHOUT GRAPHIC.
3. THE GRAPHICS SHALL NOT BE APPLIED TO STREET NAME POLES IN PEDESTRIAN STREET.

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A	DEC 2019	PS	GENERAL REVISION	LTH	PL
-	APR 2018	PS	FIRST ISSUE	SN	CW



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 INFRASTRUCTURE WORKS FOR
 DEVELOPMENTS AT THE SOUTHERN PART OF
 THE FORMER RUNWAY

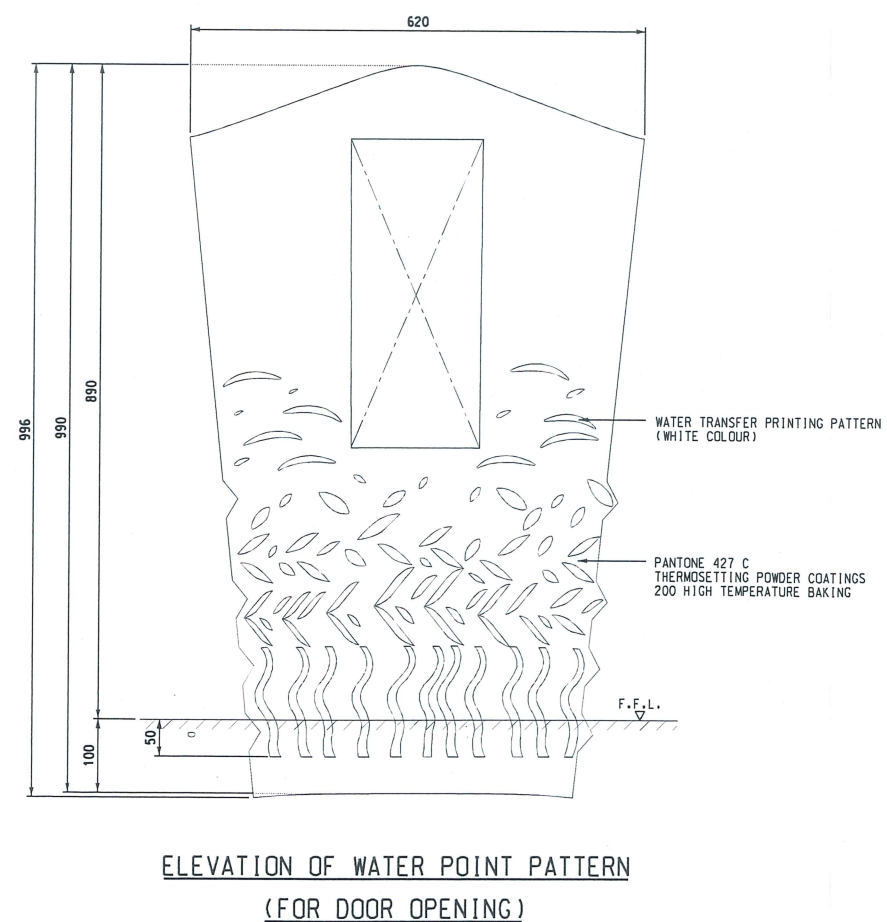
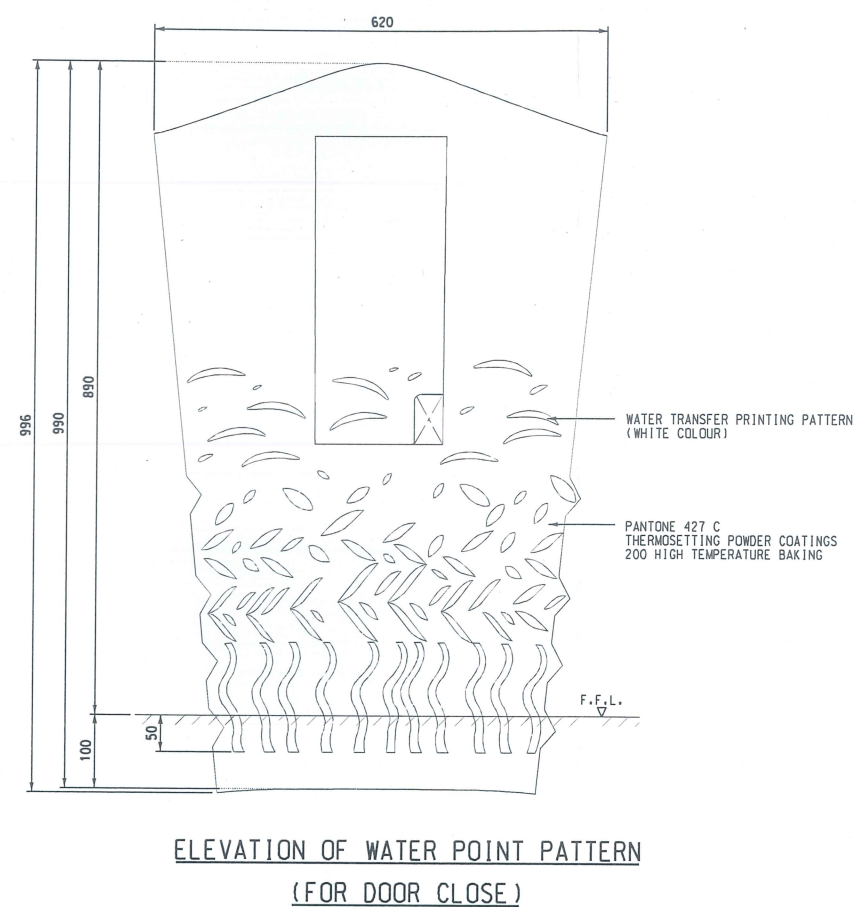
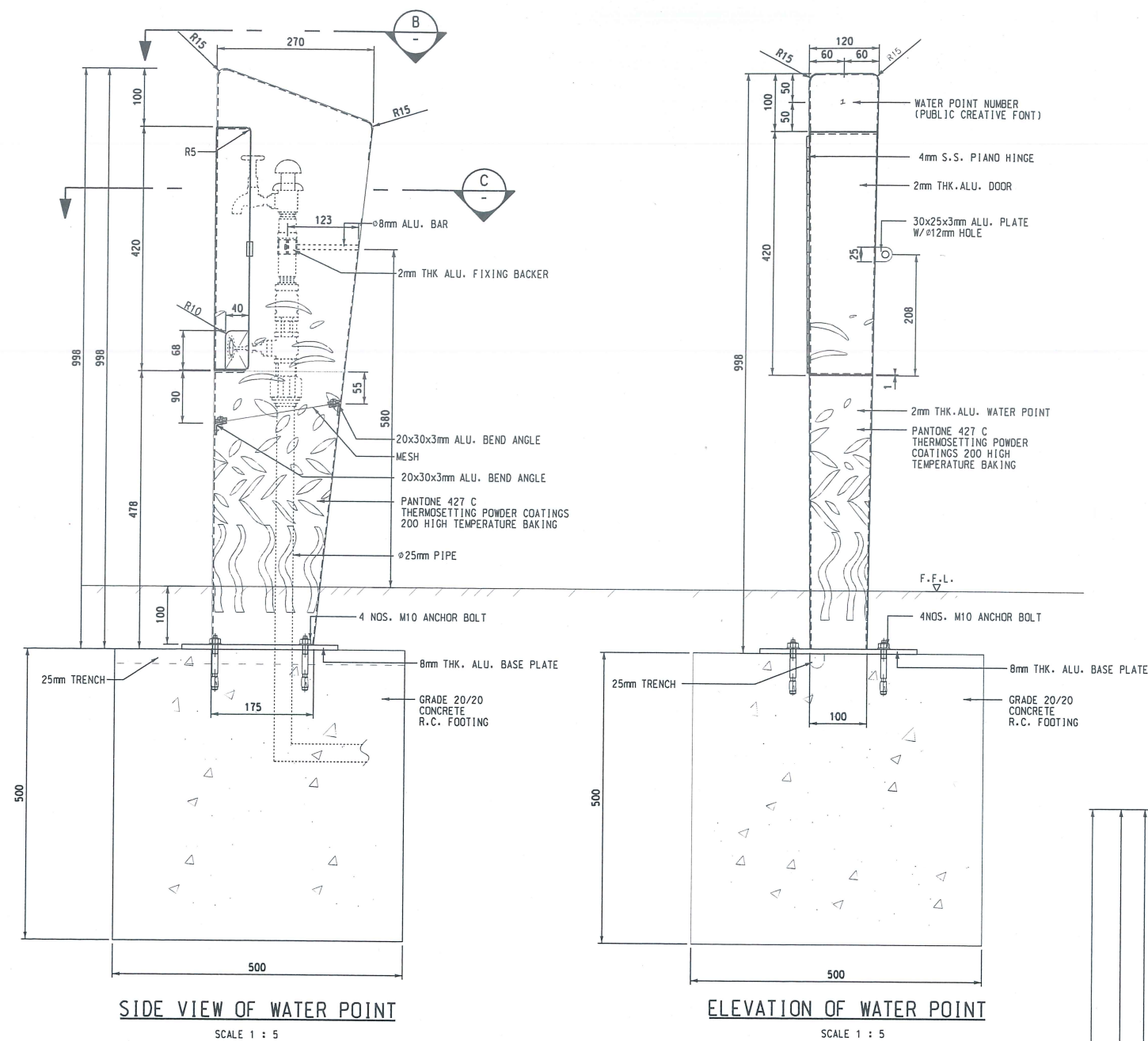
TITLE
 PUBLIC CREATIVES FURNITURE -
 GRAPHIC ON STREET NAME
 POLE, RAILING & BOLLARD

DESIGNED	MT	CHECKED	LTH
DRAWN	PS	APPROVED	PL
SCALE AT A1	STATUS	REV	
N.T.S.	-	A	

SITE SKETCH No.
 60022408/SK/8003

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Figure G3- Public Creatives Furniture - Street Name Pole, Railing and Bollard



- NOTES:**
1. THIS DRAWING SHALL REPLACE THE DETAILS IN DRAWING NO. 6002240B/53/1466.
 2. ALL DIMENSIONS ARE IN MILLIMETERS.
 3. ANY WELDING SLAG SHALL BE REMOVED WITH A CHIPPING HAMMER. THE WELDS SHALL BE THOROUGHLY WIRE BRUSHED.
 4. AFTER MANUFACTURE, POSTS SHALL BE CLEANED AND DECREASED PRIOR PDVF COATING.
 5. THE ALUMINUM TO BS EN1490 WITH GRADE 3003 SERIES.
 6. THE WATER TRANSFER PRINTING PATTERN ARE MADE OF LAST AND STICKER PER PATTERN SHOWN ON DRAWING PW-002 WITH COLOURLESS PROTECTIVE COATING (SYNTHETIC BASE) WOULD BE APPLIED TO PROTECT THE PATTEN FROM PEELING OFF.
 7. THE COAT ARE THERMOSETTING POWER COAT WITH MINI 65UM IN THICKNESS IN 1 LATER AND THE GRADING TO BE APPLIED IN FACTORY.
 8. IF THE CONSTRUCTION OF FOOTING WOULD REQUIRE DIVERSION OF THE TRAFFIC, THE FOOTING SIZE MAY BE AMENDED SUBJECT TO APPROVAL OF ENGINEER TO AVOID OR MINIMIZE SUCH DIVERSION.
 9. CONCRETE FOOTING IS LOWERED IF THERE ARE ANY PAVING / FINISHES MATCHING TO ADJACENT AREAS.

-	APR 2018	PS	FIRST ISSUE	SN	CW
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INFRASTRUCTURE WORKS FOR
DEVELOPMENTS AT THE SOUTHERN PART OF
THE FORMER RUNWAY

TITLE

PUBLIC CREATIVES FURNITURE
- WATER POINT

DESIGNED	JT	CHECKED	SN
DRAWN	PS	APPROVED	CW
SCALE AT A1	STATUS		REV
N.T.S.	-		-

SITE SKETCH No.

60022408/SK/8004

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