



土木工程拓展署

Civil Engineering and Development Department

North Development Office

Agreement No. CE 13/2014 (CE)

## Development of Kwu Tung North and Fanling North New Development Areas, Phase 1 – Design and Construction

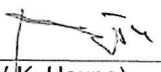
### DP12 - Reprovision of Temporary Wholesale Market in Fanling North New Development Area

#### Submission of Landscape Plan (EP-475/2013/A)

(Ref. EP/DP12/2021-01A)


July 2022

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## **1 INTRODUCTION**

### **1.1 General**

- 1.1.1 AECOM Asia Co Ltd has been commissioned by the Civil Engineering and Development Department (CEDD) to undertake Agreement No. CE 13/2014 (CE) – Development of Kwu Tung North and Fanling North New Development Areas, Phase 1 – Design and Construction.

### **1.2 Background**

- 1.2.1 The Territorial Development Strategy Review in 1990s first identified that there was potential for strategic growth in the North East New Territories (NENT). The Planning and Development Study on NENT (NENT Study), which was commissioned in 1998 and completed in 2003 under Agreement No. CE 64/96, identified the areas at Kwu Tung North (KTN) and Fanling North (FLN) is suitable for the development of New Development Area (NDA) in the NENT and confirmed the feasibility of development based on the findings and recommendations from various technical assessments.
- 1.2.2 The NENT NDA Study under Agreement No. CE 61/2007(CE) was commissioned jointly by the Civil Engineering and Development Department (CEDD) and the Planning Department (PlanD) and was substantially completed in December 2013. Various planning, engineering and environmental studies were completed to formulate a revised proposal for the NENT NDA based on the NENT Study, confirm the feasibility of implementing the revised proposal and formulate the implementation strategies and programme for the NDA. A planning and development framework for the KTN and FLN NDA was also established to meet the long-term demand for housing especially public housing and employment. Development of the NENT NDA could also cater for various land use needs arising from social and economic developments in Hong Kong.
- 1.2.3 The KTN and FLN NDA are proposed to be developed in phases as full completion by 2031. An implementation programme with phasing and packaging of works for the NDA project has been recommended under the NENT NDA Study.
- 1.2.4 The Phase 1 of the NDA development, comprising the Advance Works and First Stage Works, was implemented from the second half of 2019 progressively.
- 1.2.5 The scopes of Phase 1 works (Advance Works and First Stage Works) and Remaining Phase works for KTN and FLN NDA are summarized below:
- 1.2.6 Scope of Advance Works (PWP Item No. 7747CL)
- (a) site formation of about 70 hectares (ha) of land (including soil treatment works) in the KTN and FLN NDA;
  - (b) construction of the eastern section of Fanling Bypass (FLBP(E)) of about 4 kilometres (km) long, which is a dual two-lane carriageway connecting the FLN NDA to Fanling Highway, and about 10 km of local roads and about 4 km cycle tracks, and associated junction/road improvements;

- (c) engineering infrastructure works including drainage, sewerage (including two sewage pumping stations), waterworks (including a fresh water service reservoir of about 27 500 cubic metres (m<sup>3</sup>) capacity and a flushing water service reservoir of about 11 500 m<sup>3</sup> capacity in the KTN NDA), landscaping works and slopeworks;
- (d) part expansion and upgrading of Shek Wu Hui Sewage Treatment Works (SWHSTW) to increase its capacity by 20 000 m<sup>3</sup> per day;
- (e) demolition of existing North District Temporary Wholesale Market (NDTWM) to be affected by the proposed FLBPES, provision of interim market for current users and reprovisioning of NDTWM; and
- (f) reprovisioning works; and
- (g) implementation of environmental mitigation measures and environmental monitoring and audit (EM&A) programme for the works mentioned in paragraphs (a) to (e) above.

#### 1.2.7 Scope of First Stage Works (PWP Item No. 7759CL)

- (a) development of a nature park at Long Valley of about 37 ha including provision of a visitor centre and a footbridge of about 50-metre (m) long spanning across Sheung Yue River for connection between these two facilities;
- (b) reprovisioning of two egret sites in the FLN NDA and enhancement works to an existing egret site in the KTN NDA;
- (c) site formation of about 2.3 ha of land (including soil treatment works) for a village resite area and a district police station in the KTN NDA;
- (d) engineering infrastructure works including roads, drainage, sewerage, waterworks, and landscaping works; and
- (e) implementation of environmental mitigation measures and EM&A programme for the works mentioned in items (a) to (d) above.

#### 1.2.8 Scope of Remaining Phase Works

- (a) site formation of about 247 ha of land (including soil treatment works) in the KTN and FLN NDA for housing, community and commercial developments as well as engineering infrastructure;
- (b) engineering infrastructure works including Fanling Bypass (Western Section), Po Shek Wu Road Flyover, new interchanges together with widening of Fanling Highway for connection with KTN NDA, local roads, drainage, sewerage, waterworks, pumping stations, fresh water and flushing water service reservoirs, and landscaping works; and

- (c) implementing the environmental mitigation measures for the works mentioned in (a) to (b) above.

1.2.9 The Environmental Impact Assessment (EIA) report for the NENT NDA Study, which covered the Phase 1 Works of KTN and FLN NDA has been submitted to Environmental Protection Department (EPD) in mid-2013. The report was subsequently approved with conditions by EPD on 19 October 2013 under Register No. AEIAR-175/2013.

1.2.10 Contract No. NDO 14/2018 is the works package consists of the Phase 1 Works of KTN and FLN NDA. This Contract is governed by 7 nos. of Environmental Permits (EPs) as EP-466/2013, EP-467/2013/A, EP-468/2013/A, EP-469/2013 and EP470/2013 belongs to KTN NDA while EP-473/2013/A and EP-475/2013/A belongs to FLN NDA.

### 1.3 **Purpose of This Report**

1.3.1 According to the approved EIA report Section 1.3 Table 1.1b (refer to Appendix I), reprovisioning of North District Temporary Wholesale Market (NDTWM) is identified as Designated Project item 12 (DP-12) in FLN NDA. The Scope of works of DP-12 stated in Section 2.4.2 of the approved EIA report is extracted as follows.

*“The North District Temporary Wholesale Market for Agricultural Products will be affected by the NDA development. In order not to affect the operation of the market, the re-provisioned wholesale market at site D1-6 of FLN NDA will be re-constructed by phases. The re-provisioned wholesale market will have approximately 1,000 market stalls within a site area of around 1.3ha, which will be the same scale as the existing wholesale market. The wholesale market will provide around 1,000 employment. The re-provisioned wholesale market will provide parking spaces, trading area for stalls, offices, toilet and refuse collection point facilities. The final layout will be reshaped to be compatible with the road layout and minimise the environmental impact.”*

1.3.2 The purpose of this report serves as a submission of the Landscape Plan in accordance with EP-475/2013/A Part C (Permit Conditions) Condition 2.6 for FLN NDA.

1.3.3 The boundary of this Landscape Plan submission refers to “Latest Site Boundary” shown in Figure 1 of EP No. EP-475/2013/A (extracted as Appendix I), which corresponds to the location of DP-12 as stated in the AEIAR-175/2013 and Project Implementation Schedule (PIS) DP12 – Reprovision of temporary wholesale market in FLN NDA the approved EM&A Manual. The relevant documents are enclosed in Appendix II with highlighting for easy reference.

1.3.4 The works in this area consist of the demolition of existing NDTWM due to the proposed Fanling By-pass (East) and provision of interim market for current users and reprovisioning of NDTWM.

## **1.4 Document reference**

1.4.1 This Landscape Plan Report shall be read conjunction with:-

- Approved North East New Territories New Development Areas Environmental Impact Assessment Report (April 2013) (Register No.: AEIAR-175/2013)
- Environmental Permit no. EP-475/2013/A
- The section of DP-12 of the Project Implementation Schedule (PIS) of the latest approved Environmental Monitoring and Audit (EM&A) Manual

## 2 SITE CONDITION AND EXISTING LANDSCAPE ASSETS

### 2.1 Site Locations and Sizes

- 2.1.1 The proposed location for reprovision of NDTWM is directly adjacent to the existing NDTWM, and is surrounded by On Kui Street at its west, a portion of Ma Wat River at its east.
- 2.1.2 Major carriageway extends from Fanling By-pass (East), retaining walls supporting its structures locate at the immediate west side of the site. While, the site of the existing NDTWM, sitting at the north-west of reprovisioned NDTWM, is reserved for the reprovision of On Lok Mun Street Playground after demolition of existing structures.
- 2.1.3 Site location of existing NDTWM is classified as industrial landscape area. In accordance with AEIAR-175/2013 Section 3.10.11, the NDTWM would affect an anticipated total 1.29 hectare of existing industrial / open storage areas, and a portion of existing SIMAR Slope Feature no. 3SW-A/F109, which located along the river bank of Ma Wat River, and is maintained by Drainage Services Department (DSD).

### 2.2 Existing Vegetation and Tree Preservation

- 2.2.1 Two detailed tree surveys for the new NDTWM site within the DP boundary and its immediate surrounding was conducted; the first one before commencement of the works, and the second one after the site possession by the contractor. A total of 246 no. of trees were surveyed and 53 no. of them locates within the DP boundary. A summary of recorded species is listed in Table 3.1 below:

**Table 2.1 Record of Existing Vegetation and Their Distribution**

Distribution	Dominant Tree Species	Vegetation Remarks
Within existing industrial / open storage area	<i>Acacia confusa</i> (台灣相思), and; <i>Leucaena leucocephala</i> (銀合歡)	Fast growing exotic tree species and invasive species
Along On Kui Street	<i>Grevillea robusta</i> (銀樺), <i>Pterocarpus indicus</i> (紫檀), and <i>Bauhinia</i> sp. (羊蹄甲屬)	Common exotic street tree species
Along existing SIMAR Slope No. 3SW-A/F109 along Ma Wat River	<i>Cinnamomum burmannii</i> (陰香), <i>Celtis sinensis</i> (朴樹), <i>Macaranga tanarius</i> (血桐), <i>Morus alba</i> (桑), <i>Acacia confusa</i> (台灣相思), and <i>Leucaena leucocephala</i> (銀合歡)	Mixture of common native small tree and fruit tree species; with a mixture of fast growing exotic tree species and invasive species

- 2.2.2 There is no Old and Valuable tree, rare tree species and tree of particular interest found within the DP boundary.

## 3

**LANDSCAPE AND VISUAL MITIGATION MEASURE**

- 3.1 To ensure that the proposed mitigation measures are in compliance with the EP conditions, a summary of mitigation measures required in the approved EIA report are tabulated in **Table 3.1** below, and the relevant landscape mitigation measures addressed are further elaborated in Section 5 and comparison figures in Appendix VII of this report:

**Table 3.1 EP Requirements and mitigation measures to be implemented during different phases of the Project**

EIA Ref. (EM&A Log Ref.)	EP Requirements and PIS of DP-12	Implementation of Landscape Mitigation Measures	
		By whom	At when
<b>S.12.D9 (LV1-DP12)</b>	<p>General Good Practice Measures</p> <p>For areas unavoidably disturbed by the Project on a short term basis e.g. works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to.</p> <p>With regard to topsoil, where identified, it should be stripped, treated appropriately, and where suitable and practical stored for re-use in the construction of the soft landscape works such as roadside amenity strips, and open space sites.</p>	Detail Design Consultant/ Contractor	Prior to construction, during construction
<b>S.12.D9 MM1 (LV2-DP12)</b>	<p>Minimum Topographical Change</p> <p>To minimize landscape and visual impacts, the footprint and elevation of such elements should be optimized to reduce topographical/ landform changes, as well as reduce land take and interference with natural terrain. Where there is a need to significantly cut into the existing landform, retaining walls should be considered as well as cut slopes, to minimize landform changes and land resumption, while also considering visual amenity. Earthworks and engineered slopes should be designed to be a visually interesting landform, compatible with the surrounding landscape and to mimic the natural contouring and terrain e.g. introduction and continuation of natural features such as spurs and ridges where appropriate, to support assimilation with the hillside setting.</p>	Government/ Detailed design consultant/ Contractor	Prior to construction

EIA Ref. (EM&A Log Ref.)	EP Requirements and PIS of DP-12	Implementation of Landscape Mitigation Measures	
		By whom	At when
<b>S.12.D9 MM2 (LV3-DP12)</b>	<p>Detailed Design (Visual)</p> <p>The footprint and massing of development components and the works area should also be kept to a practical minimum and the detailed design of development components for Construction phase should follow the Sustainable Building Design Guidelines. The form, textures, finishes and colours of the proposed development components should aim to be compatible with the existing surroundings. To improve visual amenity designs should be aesthetically pleasing and treatment of structures also improve visual amenity. For example, natural building materials such as stone and timber, should be considered for architectural features, and light earthy tone colours such as shades of green, shades of grey, shades of brown and off-white should also be considered to reduce the visibility of the development components, including all roadwork, buildings and noise barriers. In addition, the design of structures should consider green roofs were feasible, following stated guidelines.</p> <p>All Noise barriers, particularly noise barriers but also any barriers proposed for ecological impact mitigation, should be kept to a practical minimum, and be of such a designed as to integrate as well as possible into the surrounding visual context and be as low as practical to minimize blocking views. Noise barrier design, including vertical, cantilever or curved, and noise enclosures including semi-enclosure and full enclosure, at grade and/ or elevated, should follow the guidelines stated.</p> <p>Construction time frame should also be considered and designs seek to keep it to a practical minimum.</p>	Government/ Detailed design consultant/ Contractor	Prior to construction

EIA Ref. (EM&A Log Ref.)	EP Requirements and PIS of DP-12	Implementation of Landscape Mitigation Measures	
		By whom	At when
<b>S.12.D9 MM4 (LV4-DP12)</b>	<p>Tree Protection and Preservation</p> <p>Existing trees to be retained within the Project Site should be carefully protected during construction. In particular OVTs will be preserved according to ETWB Technical Circular (Works) No. 29/2004. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in Contractor's works areas.</p> <p>A detailed tree survey will be carried out for the Tree Removal Application (TRA) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.</p>	Government/ Detailed design consultant/ Contractor	Prior to construction and construction phase
<b>S.12.D9 MM5 (LV5-DP12)</b>	<p>Tree Transplantation</p> <p>Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery as far as possible.</p> <p>A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBTC 2/2004 and 3/2006 and final locations of transplanted trees should be agreed prior to commencement of the work.</p>	Government/ Detailed design consultant/ Contractor	Prior to construction, construction phase and maintenance in operation phase



EIA Ref. (EM&A Log Ref.)	EP Requirements and PIS of DP-12	Implementation of Landscape Mitigation Measures	
		By whom	At when
	For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted, HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.		
<b>S.12.D9 MM6 (LV6-DP12)</b>	<p>Slope Landscaping</p> <p>Site formation should be reduced as far as possible. Seeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape resources and character. Woodland tree seedlings and/ or shrubs should be planted where slope gradient and site conditions allow.</p> <p>In addition, landscape planting should be provided for the retaining structures associated with modified slopes where conditions allow.</p> <p>All slope landscaping works should comply with GEO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes.</p>	Government/ Detailed design consultant/ Contractor	Prior to construction, construction phase and maintenance in operation phase
<b>S.12.D9 MM7 (LV7-DP12)</b>	<p>Compensatory Planting</p> <p>Compensatory tree planting for felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Removal Application process under ETWBTC 3/2006.</p> <p>Compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes, as well as the open areas within development lots.</p> <p>Compensatory planting for shrubs should be considered in suitable locations. Native</p>	Government/ Detailed design consultant/ Contractor	Prior to construction, construction phase and maintenance in operation phase

EIA Ref. (EM&A Log Ref.)	EP Requirements and PIS of DP-12	Implementation of Landscape Mitigation Measures	
		By whom	At when
	species such as <i>Melastoma malabathricum</i> , <i>Diospyros vaccinioides</i> , <i>Gardenia jasminoides</i> , <i>Ixora chinensis</i> , <i>Ligustrum sinense</i> , <i>Litsea rotundifolia</i> , <i>Melastoma dodecandrum</i> , <i>Atalantia buxifolia</i> , <i>Rhodomyrtus tomentosa</i> , <i>Rhaphiolepis indica</i> , and <i>Rhododendron simsii</i> are suggested.		
<b>S.12.D9 MM8 (LV8-DP12)</b>	Screen Planting  Tall screen/buffer trees and shrubs should be planted. This measure may additionally form part of the compensatory planting.	Government/ Detailed design consultant/ Contractor	Prior to construction, construction phase and maintenance in operation phase
<b>S.12.D9 MM16 (LV9-DP12)</b>	Screen Hoarding  Screen hoarding shall be erected along areas of the construction works site boundary where the works site borders publically accessible routes and/or is close to visually sensitive receivers (VSRs). It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used.  Any works areas near the ecological sensitive areas should erect 2m high dull green site boundary fence. Details can refer to the ecological impact assessment (Chapter 13 of the EIA report).	Contractor	Construction Phase
<b>S.12.D9 MM17 (LV10-DP12)</b>	Light Control  Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the Construction phase.  Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	Government/ Contractor	Construction and Operation Phase

## **4 DESIGN PRINCIPLE OF THE DESIGNATED PROJECT**

### **4.1 Soft Landscape Design Principle**

- 4.1.1 The main function of the reprovision of NDTWM is to provide a sheltered area for business exchange of fresh agricultural goods, such as freshly cultivated vegetation and fruits, during early daytime. To facilitate the busy traffic of freight vehicles every morning, the design target is to maximize the area for logistic, circulation, parking and loading/ unloading of freight vehicles, as well as the area for stocking, storage, transportation of goods and other interpersonal business activities.
- 4.1.2 A pedestrian walkway at the crest of existing SIMAR slope no. 3SW-A/F109, which is out of but adjoining to the boucneary , will be upgraded to connect to the existing footbridge which linkage to Wing Ning Tsuen as well as a pedestrian footpath system to the east and western sides. This pedestrian walkway maintained by Highway Department (HyD) is out of the Boundary of this Landscape Plan.
- 4.1.3 Carriageway extends from the Fanling By-pass (Eastern Section), retaining walls supporting its structures and the future On Lok Mun Street Playground locate at the immediate west side of the site. There is not enough space for greening opportunity at this side of NDTWM. Details could be referred to a site analysis diagram attached in [Appendix IV](#).
- 4.1.4 To maintain a hygienic environment for the above activities and to safeguard the food safety of Hong Kong citizens, tidiness and cleanliness of the area are essential. Possible attraction for any bacteria or disease carriers, such as mosquitoes and bugs, should be reduced. In this regard, trees, shrubs and any form of planting were not recommended they may offer accumulation spots for disease carriers.
- 4.1.5 Removable plants, such as flower pots, are also not recommended as these might obstruct the logistic routes and imposed risks to the users.
- 4.1.6 Despite the above site limitations, other greening opportunities are explored. A strip of planting area (approx. 170m along the southern side of boundary fence) will be planted with climber plants which would provide vertical greening effect to demarcate the NDTWM, and to provide significant landscape feature for the area.

### **4.2 Species Selection Justifications**

- 4.2.1 Species selected should meet the following criteria:
- Native species recorded in local and commonly used in Hong Kong should be prioritized
  - Available from the market;
  - Robust, tough-growing, comparatively low maintenance requirement; and
  - Familiarly used and maintained by local practices.

- 4.2.2 It is important to source all the specified plant materials at early of construction stage. The contractor should be required to secure their plant sources' availability and qualities.

#### **4.3 Basic Planting configuration**

- 4.3.1 Sufficient soil depth should be provided for proposed planting, of which 300mm soil depth would be provided for climbers planting, according to departmental common practices.
- 4.3.2 Open bottom planter was proposed for all at-grade planters for water to soak away after irrigating the climber plants.

#### **4.4 Execution of Landscape Works**

- 4.4.1 All planting works will be planted with the growing season (i.e. from March to September) so as to enhance better establishment of plants. Planting between October to February will also be considered given these species are common in nature and be relatively tolerant in Hong Kong climatic condition. However, frequency of watering should be adjusted to suit the plant growth.
- 4.4.2 Climber plants should be trained/ led manually to their climbing frame, i.e. the chain-link fence, upon the completion of planting works.

#### **4.5 Hard Landscape**

- 4.5.1 Different natural green colour tones would be tinted for all the aluminium canopies for the market and new buildings. In this connection, the proposed paving for the finished ground would be purely plain concrete (light grey and earthly colour) which added a better colour contrast to the proposed colour for the market and building complex. Both of them would offer a subtle colour tone for the entire market development.
- 4.5.2 Typical paving block in accordance to Highway standards would be proposed for the public footpath/ pedestrian footpath.

## **5 DESIGN AND CONSTRUCTION PHASE: IMPLEMENTATION OF LANDSCAPE AND VISUAL MITIGATION MEASURE**

### **5.1 General Good Practice Measures and Topsoil Management – measures corresponding to EIA Ref. S.12.D9 (EM&A Log Ref. LV1-DP12)**

- 5.1.1 For areas avoidably disturbed by the DP during its construction period, the areas would either be reserved and redeveloped for future site use, or be reinstated to their former states.
- 5.1.2 All existing soil would be stripped, treated and reused as far as possible. Where feasible, the topsoil would be stored on site and reused in the construction of soft landscaping.
- 5.1.3 The method statement for planting and topsoil preparation should be prepared by the Contractor and accepted by the ER/ Project Manager prior to the planting works.
- 5.1.4 The planting soil used on site should be prepared by mixing existing topsoil (or completely decomposed granite (CDG) from on-site excavation or an approved local source) and the accepted soil conditioner in a ratio of 3:1 in accordance with Section 3.30(2) of General Specifications for Civil Engineering Works, 2006 issued by CEDD.

### **5.2 Minimum Topographical Change – measures corresponding to EIA Ref. S.12.D9 MM1 (EM&A Log Ref. LV2-DP12)**

- 5.2.1 The original site was a vegetated flat land, with a low topographical variety ranging from mPD+11.21 to mPD+12.28.
- 5.2.2 To maximise the logistic use for the market operation, the flatland laid with concrete hard pave, with levels ranging from mPD+11.30 to mPD+11.60.
- 5.2.3 There is no major change in the initial and final finished level at the ground level, so that the objective of minimum topographical change and minimize land resumption can be achieved in this project.

### **5.3 Detail Design (Visual) – measures corresponding to EIA Ref. S.12.D9 MM2 (EM&A Log Ref. LV3-DP12)**

- 5.3.1 In order to maintain its low profile and low sensitivity, simple and subtle design was proposed for the Market Canopy structure and Management Office Building. With their heights no taller than 10m, the structures remain low-lying without causing adverse visual implication to the surrounding village environs.
- 5.3.2 Common and cost effective hard paving materials, i.e. concrete hard pave, had been chosen for its efficiency of use for both pedestrian and freight vehicles, and also for its humble and low maintenance properties.
- 5.3.3 Although the reprovision of NDTWM was not a private development, reference had been made on Practice Note No. APP-152 “Sustainable Building Design

Guidelines”, promulgated by the Building Department in January 2016, during the design stage, which gives guidelines on building design according to Building Separation, Building Set Back, and Site Coverage of Greenery. Points responding to each of these requirements are listed below:

a) Building Separation

According to Para. 3(a) and (b) of the practice note, building separation requirement only applicable for (1) “sites that are 20,000m<sup>2</sup> or above”, or (2) “sites that are less than 20,000m<sup>2</sup> and proposed with building of ground of buildings having a continuous projected façade length of 60m or above”. The project site for reprovision of NDTWM was only approximately 12,900m<sup>2</sup> in size. Its only building structure, i.e. the Management Office Building, has a continuous projected façade length of approximately 31m only. The Market Canopy is a semi-opened aluminium structure and is not regarded as a building. Therefore, building separation requirement is not applicable to this project site.

b) Building Set Back

Except the proposed Pump House, Refuse Collection Point and Guard Booth, which are no taller than 6m in height, no building was proposed along the adjacent street, i.e. On Kui Street. In this regard, building set back requirement is not applicable to this project site.

c) Site Coverage of Greenery

According to Para. 12 of the practice note, special circumstances in which genuine difficulties in complying with the SBD Guidelines is encountered in some cases, such as for sites with special functions. In this case, the site is specified for a wholesale market in which such requirement is not applicable.

However, to minimise the visual impact to the surrounding, a strip of vertical green planting, offering 306m<sup>2</sup> of greenery (i.e. 170m x 1.8m tall chain link fence) had been provided at the eastern side of the site, which also offers a green barrier along the pedestrian footpath.

5.3.4 Considerations had been given to the colour of aluminium panels to be used as the major Market Canopy structure. Shades of green colour had been chosen as the major colour theme of the Market Canopy, which merges with the rural background at its eastern side of the site.

5.3.5 Solar Panels had also been installed at the Market Canopy to offer sufficient electricity supply for the daily function of the Wholesale Market, and glare panels had been installed as well to reflect the lights back to the covered area, and also to minimise the glare impact to the surrounding, if any, during its future operation phase.

5.3.6 A plan and a section of the NDTWM are enclosed in **Figure No. LP/01** and **LP/02** in Appendix III. Design drawings and colour specifications for the building and structure are enclosed in Appendix VIII for ease of reference.

**5.4 Tree Preservation Measures, Tree Transplantation, Compensatory Planting and Screen Planting Proposal – measures corresponding to EIA Ref. S.12.D9 MM4, S.12.D9 MM5, S.12.D9 MM7 and S.12.D9 MM11 (EM&A Log Ref. LV4-DP12, LV5-DP12, LV7-DP12 and LV8-DP12)**

- 5.4.1 Existing trees that were not affected by the works would be preserved in situ. Unfortunately, after detailed assessment, all trees were affected by the footprint of the reprovisioned wholesale market and their associated facilities, such as car parking space and logistic routes. In this regards, all **53** no. of trees were unavoidably proposed to be removed from the site.
- 5.4.2 Among these **53** no. of trees, **27** no. of them were invasive species and would be felled.
- 5.4.3 All trees affected by the works had been assessed for their suitability for transplanting, and would be transplanted where physically feasible. All **26** nos. of remaining trees were not suitable to be transplanted due to their unbalanced tree form and poor tree health. Therefore, no tree was proposed to be transplanted within the Boundary. All trees within the DP12 boundary were proposed to be felled.
- 5.4.4 All the proposed tree treatments had been included in two statutory submissions, namely (i) Tree Preservation and Removal Proposal (TPRP) (reference no. C03-04) and (ii) Supplementary Tree Preservation and Removal Proposal (STPRP) (reference no. C3-STPRP2&3-4). Both submissions had been prepared in accordance with DEVB TC(W) No. 7/2015 Tree Preservation and had been approved by Lands Department on 25 January 2019 and 6 October 2020 respectively. Details are enclosed in Appendix V of this report.
- 5.4.5 To echo with the design principle and the unsuitability of planting in this site as elaborated in Section 4.1 of this report, no compensatory planting was proposed within the site boundary of DP12.
- 5.4.6 However, the compensatory planting proposal for the **53** no. of loss trees in DP12 would be proposed together with compensatory planting proposal for the accumulated tree loss within the whole KTN and FLN NDA, which would scattered across the whole NDA. Exact locations for compensatory planting would be identified and determined during remaining the construction phases of whole KTN and FLN NDA, and would be submitted to LandsD for their approval at later stage.
- 5.4.7 Despite the unsuitability of tree compensatory planting of trees and shrubs on site, according to Para.17 of *PNPP No. 3/2006* promulgated by PlanD on “*Landscape Treatment and /or Other Measures for Mitigating the Landscape and Visual Impacts of Small-scale Utility Installation*”, that, “if limited space is available, consideration may be given to adopting a climber screen where climbing plants are supported on a vertical mesh frame or boundary fence of a height not less than the utility structure to be installed”. A strip of climber planting had been proposed at the eastern side of the site, to provide a vertical green wall which would effectively screen out the NDTWM structure from villages across Ma Wat River. Considerations had been given to the species selection criteria of the climber plants along the proposed strip planting at eastern side of the site. The proposed layout and planting arrangement for climber planting layout have been indicated in **Figure No. LP/01** and **LP/03** enclosed in Appendix III. All proposed climber

species were native species and common to local practice. They were combined to provide a reasonably good-looking and naturalistic vertical green barrier to the adjacent pedestrian walkway. A list of proposed planting species are tabulated in Table 4.1 appended:

**Table 4.1 Proposed Planting Species List**

Botanical name	Chinese name	Origin of plants	Remarks	Spacing (mm)	Tentative Quantity (no.)
<i>Bauhinia glauca</i>	粉葉羊蹄甲	Native	Climbers	300	175
<i>Lonicera japonica</i>	金銀花	Native	Climbers	300	144
<i>Trachelospermum jasminoides</i>	絡石	Native	Climbers	300	62
<b>TOTAL:</b>					<b>381</b>

5.4.8 According to the above planting proposal, a total of approximately **381** nos. of climbers would be planted. They would be arranged in staggered matrix with planting space of 300mm centre-to-centre. The planting strip is approx. 300mm in width and 170m long surrounding the southern side of the boundary fence. Detailed planting plan with planting schedule and location were shown in Appendix VI.

5.4.9 All of the proposed climbers are commercially available in the current market.

## **5.5 Slope Landscaping – measures corresponding to EIA Ref. S.12.D9 MM6 (EM&A Log Ref. LV6-DP12)**

5.5.1 As the site was a topographically flat area, no existing slope was found within the DP boundary and also no new slope would be formed after the completion of project.

5.5.2 The existing slope immediate adjacent to the site along Ma Wat River, i.e. SIMAR Slope Feature no. 3SW-A/F109, would be improved and reinstated with grasscrete and hydroseeding after the works, and would be handed over to DSD for future maintenance. The concerned slope locates out of the DP boundary and thus is not included in this report.

## **5.6 Screen Hoarding – measures corresponding to EIA Ref. S.12.D9 MM16 (EM&A Log Ref. LV9-DP12)**

5.6.1 During the entire Construction Phase, an array of screen hoardings painted with green colour would be erected for the safety and visually screening from the public. The selected green colour would be relatively subtle to blend with the surrounding environment.



**5.7 Light Control – measures corresponding to EIA Ref. S.12.D9 MM17 (EM&A Log Ref. LV10-DP12)**

- 5.7.1 All the works would be carried out in daytime and no night work would be anticipated. It implied that no lighting glare would be generated to affect the surrounding neighbourhood and public during the construction stage.
- 5.7.2 Furthermore, glare panels would be installed at the ceiling of Market Canopy minimise the glare impact to the surrounding, if any, during its future operation phase. Please refer to the section of Market enclosed in **Figure No. LP/01** and **LP/02** of Appendix III for information.

## **6 OPERATION PHASE: POST-PLANTING MONITORING AND ESTABLISHMENT / MAINTENANCE**

### **6.1 General**

- 6.1.1 The goal of the climber planting is to establish a sense of visual greenery for the enjoyment of public and neighbouring villagers.
- 6.1.2 All the climber planting works within the Landscape Plan area should be maintained at least in 12 months before handing over to the AFCD who should be the maintenance department of the market development.
- 6.1.3 An outline of post-planting monitoring works and summary of the establishment works during the 12-month period (by CEDD) are provided in the next section of the report.

### **6.2 Post-planting Monitoring**

- 6.2.1 Monthly post-planting monitoring inspections throughout the 12-month period are recommended to monitor the growth and health of the climbers and to decide whether any special remedial works should be carried out. The proposed measures are in compliance with the requirements in the approved EM&A manual.

### **6.3 Personnel**

- 6.3.1 The post-planting monitoring inspections and reports shall be carried out and prepared by a registered landscape architect or a qualified arborist, who should meet the following minimum requirements:
  - i. Have a bachelor's degree or higher in horticulture or a related field such as arboriculture, botany, biology, forestry, ecology, environmental science, geography, landscape studies, landscape architecture, landscape management, landscape science, from a Hong Kong university, or equivalent; and
  - ii. Have a minimum of two years of proven full-time practical experience in horticulture, soft landscape implementation and supervision, plant care or vegetation management.

### **6.4 Establishment / Maintenance Works (12-month, by CEDD)**

- 6.4.1 Regular monthly establishment / maintenance works shall be carried out to ensure the healthy growth of the plants. Defective plants when observed will be recorded and rectified before the next monthly inspection. All plants should be in acceptable conditions before handing over to maintenance department after the 12-month establishment period.
- 6.4.2 Generally, it will be necessary to regularly cut grass and remove noxious weeds within the planting area. Post-planting fertilizer will be applied yearly in each spring.

Dead or dying species will be replaced. Works may be necessary to ameliorate the effect of any erosion or land degradation should these occur.

## **6.5 Weeding**

- 6.5.1 To reduce competition to the young trees from grass and noxious weeds, weed control through manual or mechanical means will be necessary. Grass cutting should be carried out as necessary to cut existing grass to 100mm from ground. Meanwhile, noxious weeds like *Leucaena leucocephala* and *Mikania micrantha* shall be uprooted. To prevent unintended dispersal which may affect the natural environment, herbicides and pesticides should not be used unless in exceptional circumstances.

## **6.6 Fertilizing**

- 6.6.1 Apply post-planting fertilizer as per GS Clause 3.34(2) at a rate of 50g per whip tree, once each year in spring, and preferably after weeding operation. Fertilizer should be applied near the base of each whip tree and shrub, not broadcasted, so as to reduce absorption and competition from grasses.

## **6.7 Replacements**

- 6.7.1 Dead and dying plants should be replaced during the establishment / maintenance period based on monitoring results. Replacement planting, if necessary, shall be carried out early in the growing season, preferably from March to May as far as practicable so as to enhance the survival rate of the new plants.

## **6.8 Long Term Maintenance After 12-Months and onwards – By other Ultimate Maintenance Department**

- 6.8.1 Both hard and soft landscape works within the Landscape Plan boundary will be handed over to Agriculture, Fisheries and Conservation Department (AFCD) and maintained by Architectural Services Department (ArchSD) after the establishment period.

## **7 CONCLUSIONS**

### **7.1 Summary**

- 7.1.1 This Landscape Plan was prepared to discharge Environmental Permit no. EP-475/2013/A condition 2.6 and deposit the Landscape Plan to EPD's designated locations. This Landscape Plan also showed the landscape design and mitigation measures of the project in accordance with the approved EIA and EM&A manual.
- 7.1.2 The Landscape Plan had been developed with reference to the Project Implementation Schedule (PIS) DP12 Reprovision of temporary wholesale market in FLN NDA near Sha Tau Kok Road.
- 7.1.3 Due to the site constraints and the maximize the market operation areas, no tree and other types of planting was proposed within the main market area. A climber planting strip (approx. 170m, with min. 300mm topsoil depth) was proposed along the southern side boundary fence area, which would provide a good and naturalistic vertical greening to the public.
- 7.1.4 All the proposed plants, i.e. climber planting, would be maintained and established for a minimum 12 months before final handover to the maintenance department, i.e. AFCD.

### **7.2 Contract Requirements**

- 7.2.1 Upon approval of this Landscape and Visual Mitigation Measures, all relevant details including boundaries of planting, plant species, specified sizes and quantities, specification of works, timely procurement of plant materials, post-planting monitoring and establishment / maintenance requirements etc., would be incorporated into the NENT NDA project for effective implementation and monitoring.

### **7.3 Programme**

- 7.3.1 According to the latest contract packaging of NENT NDA project, the proposed Landscape and Visual Mitigation Measures would be carried out under CEDD ND/2019/06 and ND/2019/04 (i.e. Contract 6 and Contract 4 respectively). Planting works was expected to be implemented in late Q3 or early Q4 2022. The Establishment Period for plants should start immediately after completion of planting for 12 months, subject to the agreement of maintenance department. Subsequent auditing works by ET team would start during both Construction phase and Operation phase.

### **7.4 Maintenance Agents**

- 7.4.1 CEDD would be responsible to maintain the proposed plantings for 12 months before handover to the ultimate maintenance department. Outlines of the post-planting monitoring and establishment requirements during the establishment period by CEDD were presented in Section 6. AFCD would be the maintenance department for all plants shown in this Landscape Plan.

## **8 REFERENCE ON ORDINANCES, STANDARDS AND GUIDELINES**

The following ordinances, standards and guidelines are applicable to the design of DP-12 in architectural, landscape and visual aspects:

### **8.1 Technical Circulars and Practice Notes**

- DEVB TC(W) No. 6/2015 – Maintenance of Vegetation and Hard Landscape Features
- DEVB TC(W) No. 7/2015 – Tree Preservation
- ETWB TC(W) No. 29/2004 – Registration of Old and Valuable Trees, and Guidelines for their Preservation

### **8.2 Ordinances and Regulations**

- Forests and Countryside Ordinance (Cap.96) and its subsidiary legislations
- Plant Varieties Protection Ordinance (Cap. 490)
- Environmental Impact Assessment Ordinance (Cap. 499)

### **8.3 Government Publications and Guidelines**

- AFCD Publication – Rare and Precious Plants of Hong Kong (2003)
- AFCD Publication – Check List of Hong Kong Plants 2012
- General Specification for Civil Engineering Works, 2006 Edn.
- GEO Publication No. 1/2011 – Technical Guidelines on Landscape Treatment for Slopes
- All relevant guidelines and Proper Planting Practices published by Greening, Landscape and Tree Management Section (GLTMS) of Development Bureau
- Geo Report No. 259 – Study on The Application of Various Vegetation Species for Landscaping of Man-Made Slopes in Hong Kong
- PlanD – Landscape Value Mapping of Hong Kong Technical Report (available online)

**- END of Report Text -**

## **APPENDIX I**

### **“FIGURE 1” OF ENVIRONMENTAL PERMIT NO. EP-475/2013/A: PROJECT LOCATION PLAN FOR DP12**

本。有關圖則須包括工程界線、施工區、道路的垂直及水平線向及任何其他主要設施的詳情；以及主要環境緩解措施的位置。

### **Submissions or Measures to be implemented during Construction of the Project**

#### **在工程項目施工期間須提交的文件或採取的措施**

##### ***Submission of Landscape Plan***

##### ***提交景觀美化計劃***

- 2.6 The Permit Holder shall, at least 6 weeks before the commencement of the corresponding parts of landscape and visual mitigation measures of the Project, deposit with the Director three hard copies and one electronic copy of landscape plan(s). The landscape plan(s) shall show the design details, confirmation of the feasibility for proposed planting, locations, implementation programme, maintenance and management schedules, and drawings in the scale of 1:1,000 or other appropriate scale, as agreed with the Director, of the landscape and visual mitigation measures of the Project. Before submission to the Director, the landscape plan(s) shall be certified by the ET Leader and verified by the IEC as conforming to the relevant information and recommendations, including those described in the EIA Report (Register No. AEIAR-175/2013). All landscape and visual mitigation measures shall be properly implemented and maintained for the Project in accordance with the deposited landscape plan. The Permit Holder shall make available additional copies to the Director upon request.

許可證持有人須在工程項目的景觀及視覺影響緩解措施的相關部分展開前，至少提早6個星期向署長存放景觀美化計劃的3份硬複本及1份電子版本。景觀美化計劃須展示工程項目景觀及視覺影響緩解措施的設計詳情、確認擬議種植的可行性、位置、實施計劃、保養及管理時間表，以及採用1:1,000的比例或署長同意的其他合適比例繪畫的圖則。景觀美化計劃須由環境小組組長核證及獨立環境查核人核實，證明符合相關資料及建議，包括環評報告（登記冊編號：AEIAR-175/2013）所載的資料及建議，然後才提交署長。工程項目的所有景觀及視覺緩解措施須根據存放的景觀美化計劃妥善執行及維持。如署長要求，許可證持有人須提供額外的複本。

##### ***Measures to mitigate Ecological Impacts***

##### ***生態影響的緩解措施***

- 2.7 To minimise adverse impacts on habitats of ecological importance in the vicinity of the Project, 2m high solid dull green site barrier fences shall be erected around all active works areas, unless otherwise agreed with the Director.

為盡量減低對工程項目周圍具生態價值的生境造成的負面影響，除非另獲署長同意，許可證持有人須圍繞所有施工中的施工區設置2米高的純淡綠色地盤圍欄。

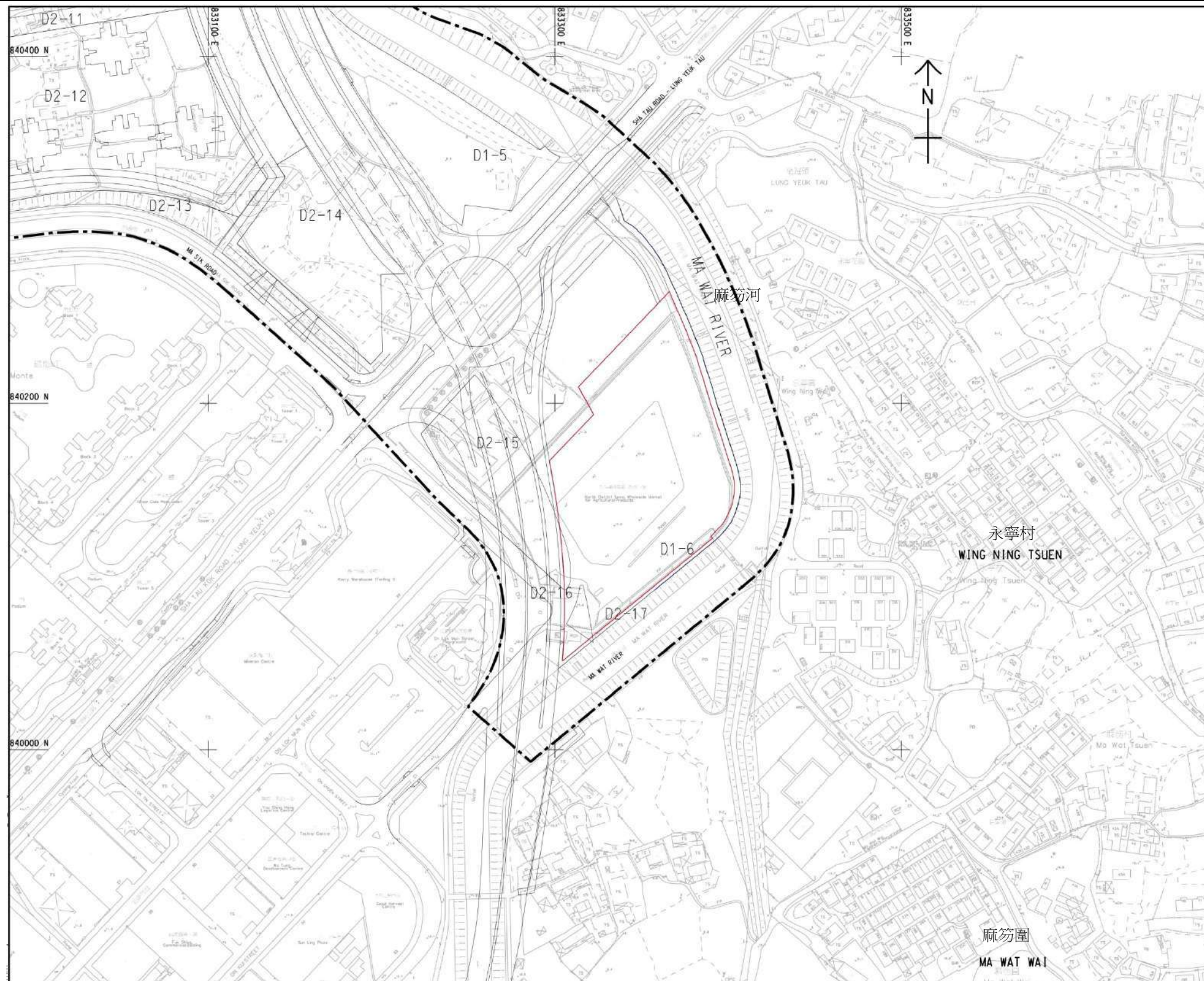
3

#### **Environmental Monitoring and Audit Requirements**

##### **環境監察及審核規定**

- 3.1 The EM&A programme shall be implemented in accordance with the procedures and requirements as set out in the updated EM&A Manual deposited under Condition 2.3 of this Permit. Any change to the EM&A requirements or programme shall be justified by the ET Leader and verified by the IEC as conforming to the relevant requirements set





**Project Title: NENT - Reprovision of temporary Wholesale Market in Fanling North New Development Area**  
**工程名稱：粉嶺北新發展區重置臨時批發市場**

**Environmental Permit No.: EP-475/2013/A**  
**環境許可證編號：EP-475/2013/A**

**Figure 1: Project Location Plan (Indicative)**  
**圖 1：工程項目位置圖（示意圖）**

(This figure was prepared based on Figure 1.1 of VEP application (No.: VEP-516/2016))  
(本圖是根據申請更改環境許可證(編號 VEP-516/2016) 圖 1.1 編制)





## **APPENDIX II**

### **PROJECT IMPLEMENTATION SCHEDULE (PIS) DP-12 REPROVISION OF TEMPORARY WHOLESALE MARKET IN FLN NDA FROM THE APPROVED EM&A MANUAL**

## Project Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?
		2m high dull green site boundary fence. Details can refer to the ecological impact assessment (Chapter 13 of the EIA report).					
S.12.C9 MM17	LV13- DP11	Light Control – Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the Construction phase.  Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	To minimize glare impact to adjacent VSRs	Government / Contractor	Throughout NDAs	Construction and Operation Phases	
<b>Ecology (Detailed Design, Construction and Operational Phases)</b>							
S13.9	E1-DP11	Use opaque, non-transparent, non-reflective noise barriers.  Unnecessary lighting should be avoided.	Minimize mortality impacts on birds.	Detailed Design Consultant/ Contractor/ Maintenance Authority.	Throughout.	Detailed design, Construction and Operation phases.	TM-EIAO.
<b>Ecology (Construction Phase)</b>							
S.13.9	E2-DP11	Design and erection of 2m high solid dull green site barrier fence between active works areas and all areas/habitats of ecological importance.	Minimize dust, disturbance, mortality and other adverse ecological impacts on habitats, flora and fauna.  Measures to minimize flight-line impacts to birds, especially breeding ardeids.	Contractor.	Interface between areas/habitats of ecological importance and works areas (all sides of all works areas).	Construction phase.	TM-EIAO.
<b>DP12-Reprovision of temporary wholesale market in FLN NDA</b>							
<b>Landscape and Visual (Detailed Design, Prior to Construction, Construction and Operational Phases)</b>							
S.12.D9	LV1-DP12	General Good Practice Measures - For areas unavoidably disturbed by the Project on a short term basis e.g. works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to.  With regard to topsoil, where identified, it should be stripped, treated appropriately, and where suitable and practical stored for		Detailed Design Consultant/ Contractor	Throughout NDAs,	Prior to Construction, Construction & for all planting, this should be installed as	

## Project Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?
		re-use in the construction of the soft landscape works such as roadside amenity strips, and open space sites.				soon as the areas become available, to achieve early establishment	
S.12.D9 MM1	LV2-DP12	Minimum Topographical Change –To minimize landscape and visual impacts, the footprint and elevation of such elements should be optimized to reduce topographical/ landform changes, as well as reduce land take and interference with natural terrain. Where there is a need to significantly cut into the existing landform, retaining walls should be considered as well as cut slopes, to minimize landform changes and land resumption, while also considering visual amenity. Earthworks and engineered slopes should be designed to be a visually interesting landform, compatible with the surrounding landscape and to mimic the natural contouring and terrain e.g. introduction and continuation of natural features such as spurs and ridges where appropriate, to support assimilation with the hillside setting.	Reduce topographical changes and minimize land resumption	Government / Detailed Design Consultant/ Contractor	Throughout NDA, particularly for reservoirs	Prior to Construction	GEO Publication No. 1/2011, Technical Guidelines on Landscape Treatment on Slopes
S.12.D9 MM2	LV3-DP12	Detailed Design (Visual) –The footprint and massing of development components and the works area should also be kept to a practical minimum and the detailed design of development components for Construction phase should follow the Sustainable Building Design Guidelines. The form, textures, finishes and colours of the proposed development components should aim to be compatible with the existing surroundings. To improve visual amenity designs should be aesthetically pleasing and treatment of structures also improve visual amenity. For example, natural building materials such as stone and timber, should be considered for architectural features, and light earthy tone colours such as shades of green, shades of grey, shades of brown and off-white should also be considered to reduce the visibility of the development components, including all roadwork, buildings and noise barriers. In addition, the design of structures should consider green roofs were feasible, following stated guidelines.  All Noise barriers, particularly noise barriers but also any barriers proposed for ecological impact mitigation, should be kept to a practical minimum, and be of such a designed as to integrate as well as possible into the surrounding visual context and be as low as practical to minimize blocking views. Noise barrier design,	Improve visual amenity of the new buildings, NDAs in general and integrate as best possible into the surrounding landscape	Detailed Design Consultant	Throughout NDAs	Prior to Construction	Hong Kong Planning Standards and Guidelines (HKPSG) issued by the Planning Department (As at Aug 2011); Sustainable Building Design Guidelines  CIBSE HK Branch, Technical Guidelines for Green Roof Systems in Hong Kong (2011) and ArchSD/Urban Study on Green Roof Application in HK (2007).  Dev. Bureau, Greening, Landscaping & Tree Management Section,

## Project Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?
		including vertical, cantilever or curved, and noise enclosures including semi-enclosure and full enclosure, at grade and/ or elevated, should follow the guidelines stated.  Construction time frame should also be considered and designs seek to keep it to a practical minimum.					Guidelines on Greening of Noise Barriers (Apr12)  Greening, Landscape and Tree Management Section (GLTM) of the Development Bureau's Guidelines on Greening of Noise Barriers (April 2012)
S.12.D9 MM4	LV4-DP12	Tree Protection & Preservation – Existing trees to be retained within the Project Site should be carefully protected during construction. In particular OVTs will be preserved according to ETWB Technical Circular (Works) No. 29/2004. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in Contractor's works areas.  A detailed tree survey will be carried out for the Tree Removal Application (TRA) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees	Government / Detailed Design Consultant/ Contractor	Onsite	Prior to Construction and Construction Phase	ETWB Technical Circular Works (TCW) No. 29/2004 and 3/2006
S.12.D9 MM5	LV5-DP12	Tree Transplantation – Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.  A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBTC 2/2004 and 3/2006 and final locations of transplanted trees should be agreed prior to commencement of the work.  For trees associated with highways e.g. roadside planting along	Transplant Trees where suitable for transplantation	Government / Detailed Design Consultant/ Contractor	Onsite where possible. consider locations where otherwise offsite	Prior to Construction, Construction Phase & Maintenance in Operation Phase	ETWB TCW 3/2006 and 2/2004  HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit

### Project Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?
		highways, that are unavoidably affected and should be transplanted, HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.					
S.12.D9 MM6	LV6-DP12	<p>Slope Landscaping – Site formation should be reduced as far as possible. Seeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape resources and character. Woodland tree seedlings and/ or shrubs should be planted where slope gradient and site conditions allow.</p> <p>In addition, landscape planting should be provided for the retaining structures associated with modified slopes where conditions allow. All slope landscaping works should comply with GEO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes.</p>	<p>To avoid substantial slope cutting and fill slopes.</p> <p>To prevent erosion and subsequent loss of landscape resources and character.</p> <p>To ensure man-made slopes are as visually amenable as possible.</p>	Government / Detailed Design Consultant/ Contractor	Onsite	Prior to Construction, Construction Phase & Maintenance in Operation Phase	GEO publication (1999) – Use of Vegetation as Surface Protection on Slope; GEO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes
S.12.D9 MM7	LV7-DP12	<p>Compensatory Planting – Compensatory tree planting for felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Removal Application process under ETWBTC 3/2006.</p> <p>Compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes, as well as the open areas within development lots.</p> <p>Compensatory planting for shrubs should be considered in suitable locations. Native species such as <i>Melastoma malabathricum</i>, <i>Diospyros vaccinioides</i>, <i>Gardenia jasminoides</i>, <i>Ixora chinensis</i>, <i>Ligustrum sinense</i>, <i>Litsea rotundifolia</i>, <i>Melastoma dodecandrum</i>, <i>Atalantia buxifolia</i>, <i>Rhodomyrtus tomentosa</i>, <i>Rhaphiolepis indica</i>, and <i>Rhododendron simsii</i> are suggested..</p>	Compensate for trees and shrubs lost due to the Project.	Government / Detailed Design Consultant/ Contractor	Onsite where possible. Otherwise consider locations where offsite	Prior to Construction, Construction Phase & Maintenance in Operation Phase	ETWB TCW 3/2006 and 2/2004
S.12.D9 MM11	LV8-DP12	Screen Planting – Tall screen/buffer trees and shrubs should be planted. This measure may additionally form part of the compensatory planting.	To screen proposed structures such as roads and buildings. Improve compatibility with the surrounding environment and create a pleasant	Government / Detailed Design Consultant/ Contractor	Along roads, around suitable built structures, or around VSRs to contain their view out to the NDA structures.	Prior to Construction, Construction Phase & Maintenance in Operation	ETWBTC 3/2006

## Project Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?
			pedestrian environment			Phase	
<b>Landscape and Visual (Construction)</b>							
S.12.D9 MM16	LV9-DP12	Screen Hoarding –Screen hoarding shall be erected along areas of the construction works site boundary where the works site borders publically accessible routes and/or is close to visually sensitive receivers (VSRs). It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used.  Any works areas near the ecological sensitive areas should erect 2m high dull green site boundary fence. Details can refer to the ecological impact assessment (Chapter 13 of the EIA report).	To screen undesirable views of the works site.	Contractor	Throughout NDAs	Construction Phase	
S.12.D9 MM17	LV10-DP12	Light Control – Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the Construction phase.  Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	To minimize glare impact to adjacent VSRs	Government / Contractor	Throughout NDAs	Construction and Operation Phases	
<b>DP13- New Sewage Pumping Stations (SPS) in FLN NDA</b>							
<b>Noise Impacts (Operational Phase)</b>							
S4.8	N1-DP13	<ul style="list-style-type: none"> <li>Provision of noise mitigation measures including silencers, acoustic louvers and acoustic enclosures if necessary;</li> <li>The maximum allowable sound power level for FLN A1-6, FLN B1-4, FLN B2-3 and FLN C2-3 shall not exceed 86, 88, 93 and 98 dB(A) respectively.</li> </ul>	Control operational airborne noise due to the operation of fixed plant	Contractor	All plant rooms where practicable	Prior to operation of the Project	Noise Control Ordinance and its TM, TM-EIAO
<b>Landscape and Visual (Prior to Construction, Detailed Design, Construction and Operational Phases)</b>							
S.12.C9 MM1	LV1-DP13	General Good Practice Measures - For areas unavoidably disturbed by the Project on a short term basis e.g. works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to.  <ul style="list-style-type: none"> <li>With regard to topsoil, where identified, it should be stripped, treated appropriately, and where suitable and practical stored</li> </ul>		Detailed Design Consultant/ Contractor	Throughout NDAs,	Prior to Construction, Construction & for all planting, this should be installed as	

## APPENDIX III

### FIGURES FOR LANDSCAPE PLAN SUBMISSIONS

FIGURE LIST				
	TITLE OF FIGURES	FIGURE NO.	SCALE	REVISION
1	Landscape Plan	LP/01	1:1000 @A3	-
2	Landscape Section	LP/02	Varies @A3	-
3	Typical Details	LP/03	1:100 @A3	-

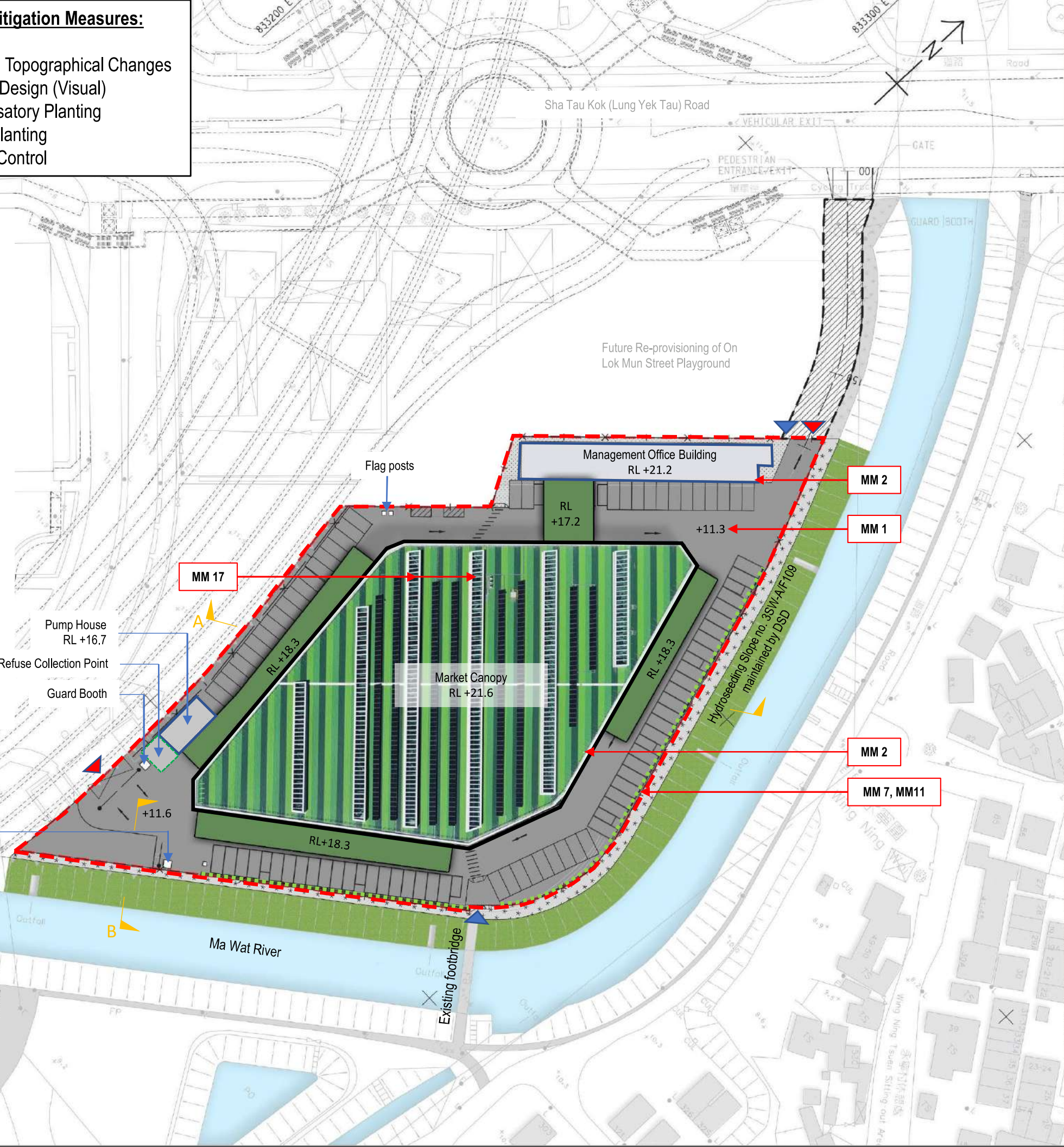


- NOTES:**
1. MINIMUM 7.3m CIRCULATION AISLE FOR VEHICLE.
  2. MINIMUM TURNING RADIUS OF 13m WILL BE PROVIDED AND THE REQUIREMENT OF EVA WILL BE FULFILLED.
  3. MANAGEMENT OFFICE BUILDING INCLUDES: AFCD STAFF OFFICE, CONTRACTOR OFFICE, TOILETS, CONFERENCE ROOM, REST ROOM, GUARD AND CCTV ROOM, STORE ROOM, KIOSK, FIRE PUMPING STATION, WATER TANK, TRANSFORMER ROOM AND EMERGENCY POWER GENERATOR.
  4. SITE CLEARANCE FOR THE FACILITIES AFFECTED BY THE FINAL STAGE OF NORTH DISTRICT TEMPORARY WHOLESALE MARKET FOR AGRICULTURAL PRODUCTS IS REQUIRED, INCLUDING BUT NOT LIMITED TO THE LIGHTING, PAVEMENT, DRAINS, SEWERS, PUBLIC TOILET, REFUSE COLLECTION POINTS, AND ETC.

- Implemented Mitigation Measures:**
- MM1 Minimum Topographical Changes
  - MM2 Detailed Design (Visual)
  - MM7 Compensatory Planting
  - MM11 Screen Planting
  - MM17 Lighting Control

**Legends**

- Area of NDTWM (with boundary fences)
- Carparks (each 7m x 3m)
- Carpark (each 5m x 2.5m)
- Traffic circulation flow
- Pedestrian crossing location
- Pedestrian walkway to be maintained by HyD
- Main market area with feature steel canopy and skylights painted with different green colour tones
- Light steel canopy covering vehicular circulation painted with green colour
- Concrete pavement
- Pedestrian Ingress / Egress
- Vehicular Ingress / Egress
- At-grade planters (300mm topsoil) with climber planting next to new boundary fences.
- + 11.3 Approx. Finished at-grade level
- RL + 11.3 Approx. Finished roof level



**AECOM**

**PROJECT**

DEVELOPMENT OF  
KWU TUNG NORTH AND  
FANLING NORTH  
NEW DEVELOPMENT  
AREAS, PHASE 1

**CONTRACT TITLE:**

FANLING NORTH NEW  
DEVELOPMENT AREA, PHASE 1:  
REPROVISIONING OF  
NORTH DISTRICT TEMPORARY  
WHOLESALE MARKET FOR  
AGRICULTURAL PRODUCTS

**CLIENT**

土木工務發展署  
Civil Engineering and  
Development Department

**CONSULTANT**

工程顧問公司  
AECOM Asia Company Ltd.  
www.aecom.com

**SUB-CONSULTANTS**

分九工程顧問公司

ISSUE/REVISION			
REV	DATE	DESCRIPTION	CHK
1	FEB-19	TENDER DRAWING	ALUI
2			
3			
4			
5			
6			
7			
8			
9			
10			

**STATUS**

備用

**SCALE**

A3 1:1000

**DIMENSION UNIT**

尺寸單位  
METRES

**KEY PLAN**

索引圖

**PROJECT NO.**

60335576

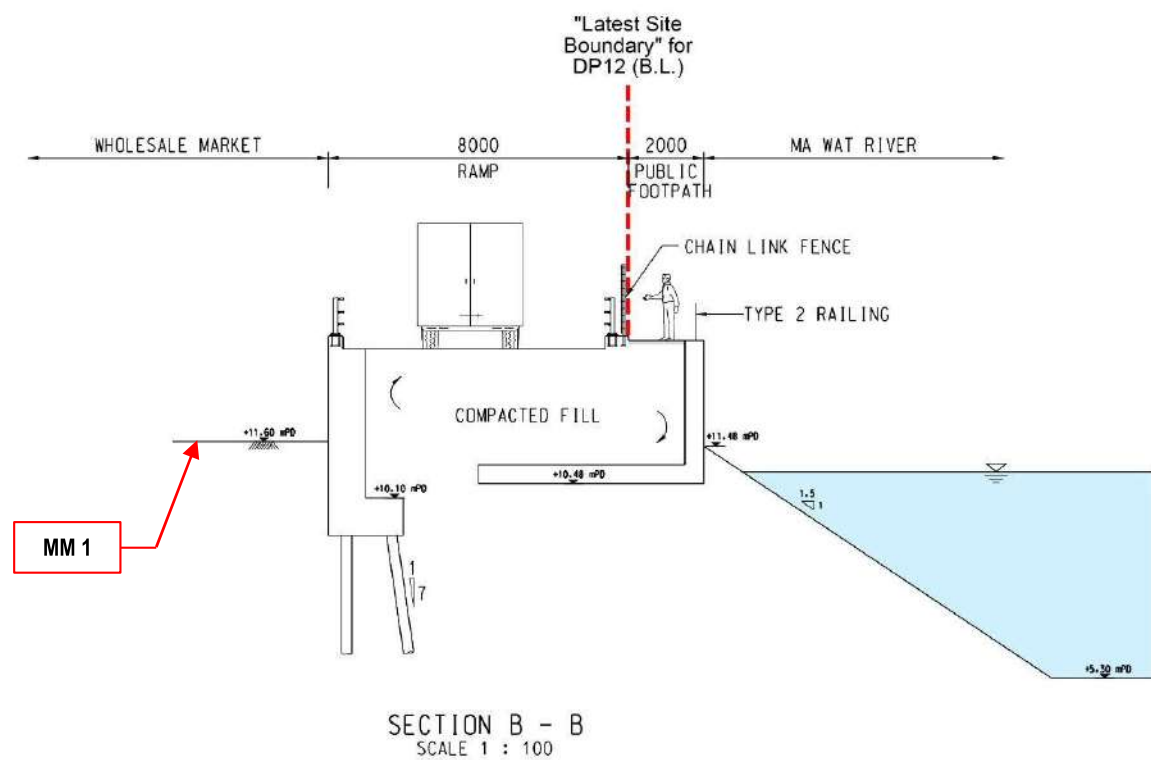
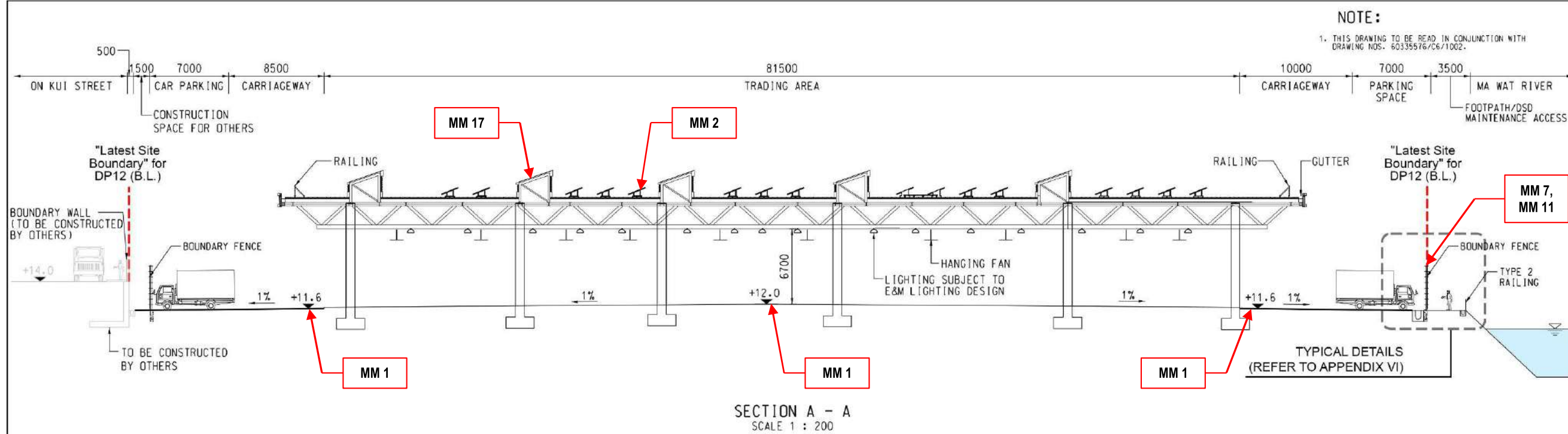
**CONTRACT NO.**

ND/2019/06

**Landscape Plan  
for NDTWM**

Figure no. LP/01A





### Implemented Mitigation Measures:

- MM1 Minimum Topographical Changes
- MM2 Detailed Design (Visual)
- MM7 Compensatory Planting
- MM11 Screen Planting
- MM17 Lighting Control

**AECOM**

**PROJECT**  
DEVELOPMENT OF KWU TUNG NORTH AND FANLING NORTH NEW DEVELOPMENT AREAS, PHASE 1

**CONTRACT TITLE:**  
FANLING NORTH NEW DEVELOPMENT AREA, PHASE 1: REPROVISIONING OF NORTH DISTRICT TEMPORARY WHOLESALE MARKET FOR AGRICULTURAL PRODUCTS

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

**CONSULTANT**  
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### ISSUE/REVISION

NR	DATE	DESCRIPTION	CHK.

### STATUS

**SCALE**  
A1 1:200  
A3 1:400

**DIMENSION UNIT**  
MILLIMETRES

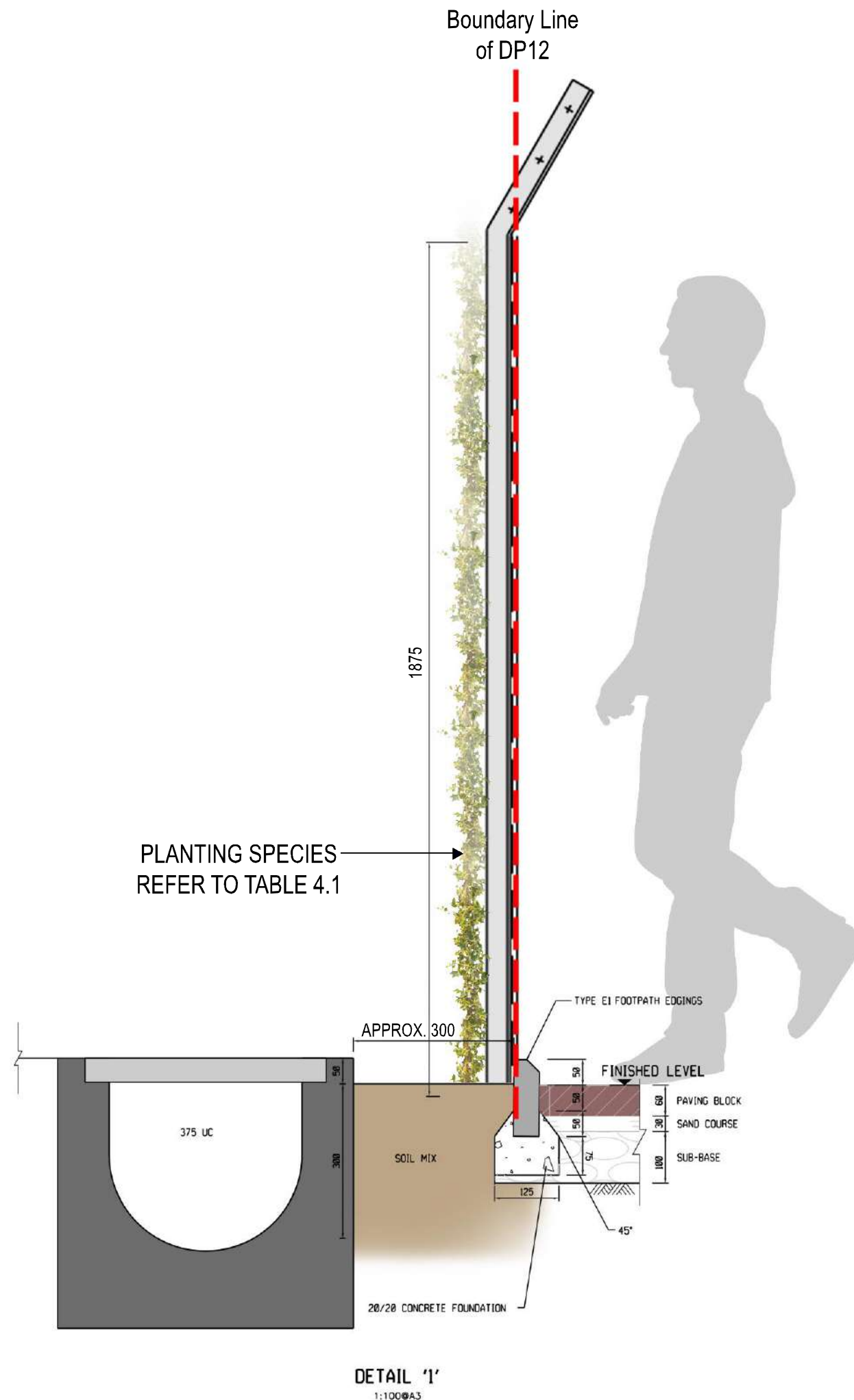
### KEY PLAN

**PROJECT NO.**  
60335576

**CONTRACT NO.**  
ND/2019/06

**Landscape Sections**

Figure no. LP/02



DETAIL 'I'  
1:100@A3

#### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. THE PROPOSED ROCKFILL SLOPE SHALL BE FORMED AT A MAXIMUM GRADIENT OF 1 (VERTICAL) IN 1.5 (HORIZONTAL).
3. 25mm THICK MOVEMENT JOINT SHALL BE PROVIDED ON THE GRASSCRETE SURFACE AT SPACINGS OF 16.5m C/C.
4. JOINT SEALANT SHALL BE SELF-CURING POLYSULPHIDE RUBBER OR SIMILAR APPROVED.
5. JOINT FILLER SHALL BE POLYETHYLENE FOAM AEROFIL OR SIMILAR APPROVED.

REV	DATE	DESCRIPTION	DRAWN	PRE	APP
-	18-FEB-21	DETAIL OF SECTION	CHW	AC	LM

CLIENT



CONSULTANT



PROJECT

DEVELOPMENT OF KWU TUNG NORTH AND FANLING NORTH NEW DEVELOPMENT AREAS, PHASE 1

CONTRACT TITLE

FANLING NORTH NEW DEVELOPMENT AREA, PHASE 1: REPROVISIONING OF NORTH DISTRICT TEMPORARY WHOLESALE MARKET FOR AGRICULTURAL PRODUCTS

DRAWING REFERENCE TO LATEST VERSION

NEW DRAWING

TITLE

TYPICAL DETAILS

PROJECT NO.	60335576	CONTRACT NO.	ND/2019/06
SCALE	AS SHOWN	DATE	18-FEB-21
DRAWN	CHW	PREPARED	AC
APPROVED	LM	REV.	-
SKETCH NO.	LP/03		

## **APPENDIX IV**

### **SITE ANALYSIS DIAGRAM**



1. MINIMUM 7.5m CIRCULATION AISLE FOR VEHICLE.
2. MINIMUM TURNING RADIUS OF 13m WILL BE PROVIDED AND THE REQUIREMENT OF CWA WILL BE FULFILLED.
3. MANAGEMENT OFFICE BUILDING INCLUDES AFCD STAFF OFFICE, CONTRACTOR OFFICE, TOILETS, CONFERENCE ROOM, REST ROOM, GUARD AND CCTV ROOM, STORE ROOM, KITCHEN, FIRE PUMPING STATION, WASTE LAB, TRAINING ROOM AND EMERGENCY POWER GENERATOR.
4. SITE CLEARANCE FOR THE FACILITIES AFFECTED BY THE PILING STAGE IN NORTH DISTRICT TEMPORARY WHOLESALE MARKET FOR AGRICULTURAL PRODUCTS IS CALLED, INCLUDING BUT NOT LIMITED TO THE LIGHTING, PAVEMENT DRAINS, GUTTERS, PUBLIC TOILET, REFUSE COLLECTION POINTS, AND ETC.

Major Water Course Corridor Landscape

Existing Village Area

Proposed Fanling Bypass Eastern Section

Public Open Space

Amenity Area

Pedestrian Walkway and Footbridge

Use of GIC

Vehicular access

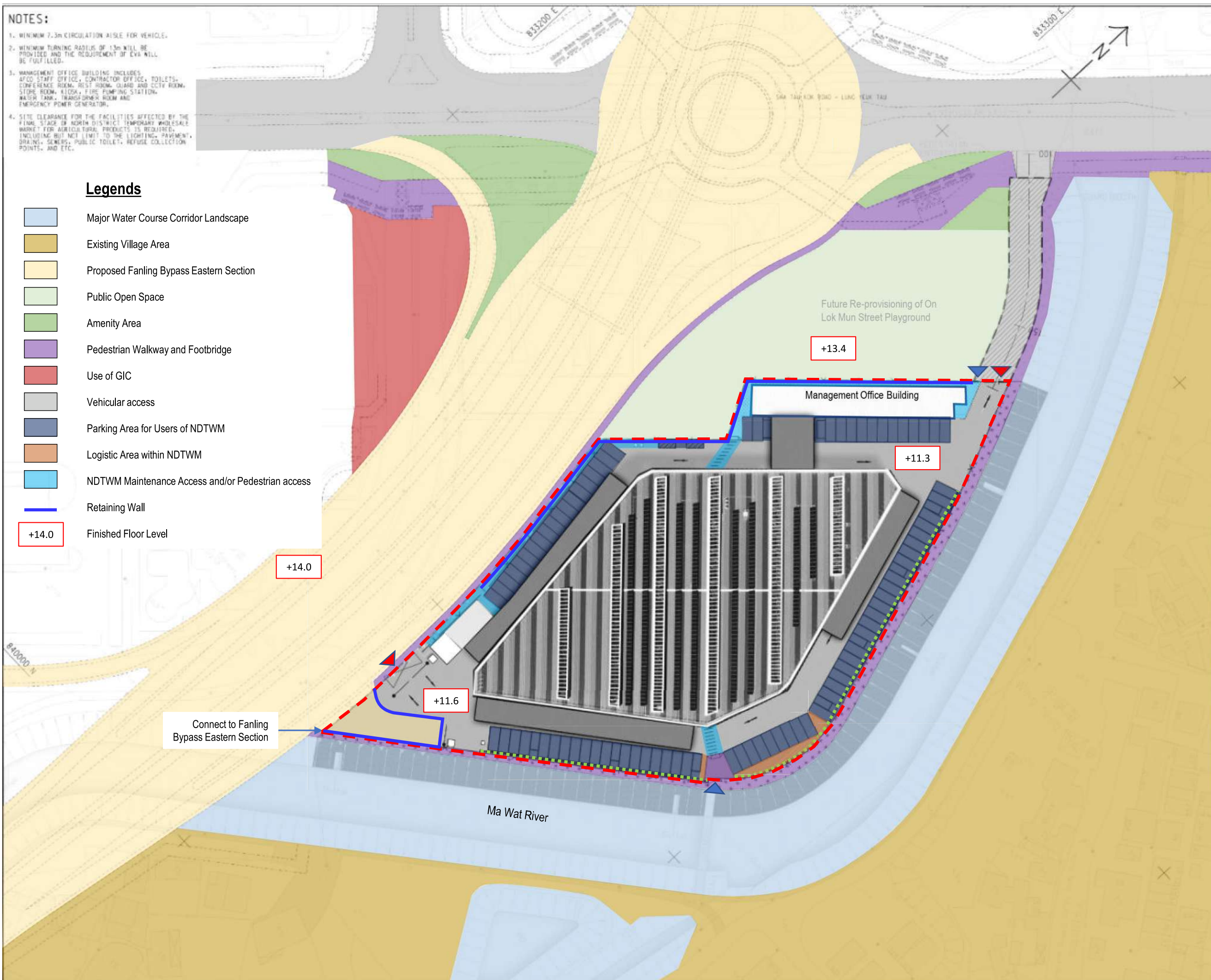
Parking Area for Users of NDTWM

Logistic Area within NDTWM

NDTWM Maintenance Access and/or Pedestrian access

Retaining Wall

Finished Floor Level



**PROJECT**  
01

---

**DEVELOPMENT OF  
KWU TUNG NORTH AND  
FANLING NORTH  
NEW DEVELOPMENT  
AREAS, PHASE 1**

CLIENT  
M.T.

 土木工程拓展署  
Civil Engineering and  
Development Department

**SUB-CONSULTANTS**  
中元大盈顾问公司

<b>ISSUE/REVISION</b>			
R.O.			
FEB-19	TENDER DRAWING		ALU
<b>IR REV</b>	<b>DATE</b> 日期	<b>DESCRIPTION</b> 内容说明	<b>CHK. (印)</b>

## STATUS

<b>SCALE</b> 比例	<b>DIMENSION UNIT</b> 尺寸單位
A3: 1:1000	METRES

**KEY PLAN**  
200

PROJECT NO. 項目編號	CONTRACT NO. 合約編號
60335576	ND/2019/06

## SA-01

## **APPENDIX V**

### **EXTRACTS FROM APPROVED TREE PRESERVATION AND REMOVAL PROPOSALS (TPRPs)**



From	Chief Estate Surveyor/ Acquisition	To	PM (N), CEDD
Ref.	(31) in LD NDA/PD/2/2 (Please quote this reference in your reply)	(Attn. :)	Mr. CHAN Chi Yam
Tel. No.	3547 0707	Your Ref.	NDO-30-4160-772CL-4B-1
Fax No.	3547 0755	Fax No. :	3547 1619 3547 1659
Email	slep1@landsd.gov.hk	Dated	11.1.2019
Date	25.1.2019	Total Pages	1+(1 encl.)

**Agreement No. CE 13/2014 (CE)**  
**Development of Kwu Tung North and Fanling North**  
**New Development Areas (KTN and FLN NDAs), Phase 1 – (the Project)**

**Tree Preservation and Removal Proposal**

I refer to the submission of Tree Preservation and Removal Proposal (Final Revision 2) (Deliverable Ref.: C03-04) (TPRP) from your consultant AECOM dated 11.1.2019 and CEDD's email on 21.1.2019 attached with an amended Page No.15 of the TPRP Volume 1 of 4.

2. Given that the relevant departments including Leisure & Cultural Services Department (LCSD), Water Supplies Department (WSD), Drainage Services Department, Highways Department (HyD), Agricultural, Fisheries and Conservation Department, and Landscape Architect of Landscape Unit (LU) of CEDD have no adverse comment to the TPRP, I am pleased to inform you that approval is hereby given to you for felling of **6,684** trees which would be in conflict with the construction of the Project on the condition that the implementation of compensatory planting proposal as indicated in paragraph 5.2, table 5.2 and the maintenance responsibility of HyD, LCSD, WSD and CEDD as stated in the amended Page No.15 of the TPRP provided by your Maggie MAK vide email dated 21.1.2019 (copy attached) has been clearly determined and agreed by those departments.

3. I reiterate that, in no event, LandsD will take up any maintenance responsibility of compensated trees as a result of commissioning of the Project. Should there be any change of maintenance responsibility for taking care of compensatory trees, please inform this office accordingly.



( L. M. KWOK )  
 for Chief Estate Surveyor/Acquisition

Encl.

c.c.

CES/A	(Attn.: Ms. Lily CHIU)
DLCS	(Attn.: Miss Yen IP)
LU, CEDD	(Attn.: Mr. Edward LEUNG)
NP/P, AFCD	(Attn.: Mr. Kevin HO)
LA/LS, WSD	(Attn.: Miss Victoria SO)
E/N2, DSD	(Attn.: Mr. WONG Chau lam)

Fax no. 2501 4042
Fax no. 2695 3886
Fax no. 2760 9401
Fax no. 2377 4427
Fax no. 3427 9517
Fax no. 2770 4761

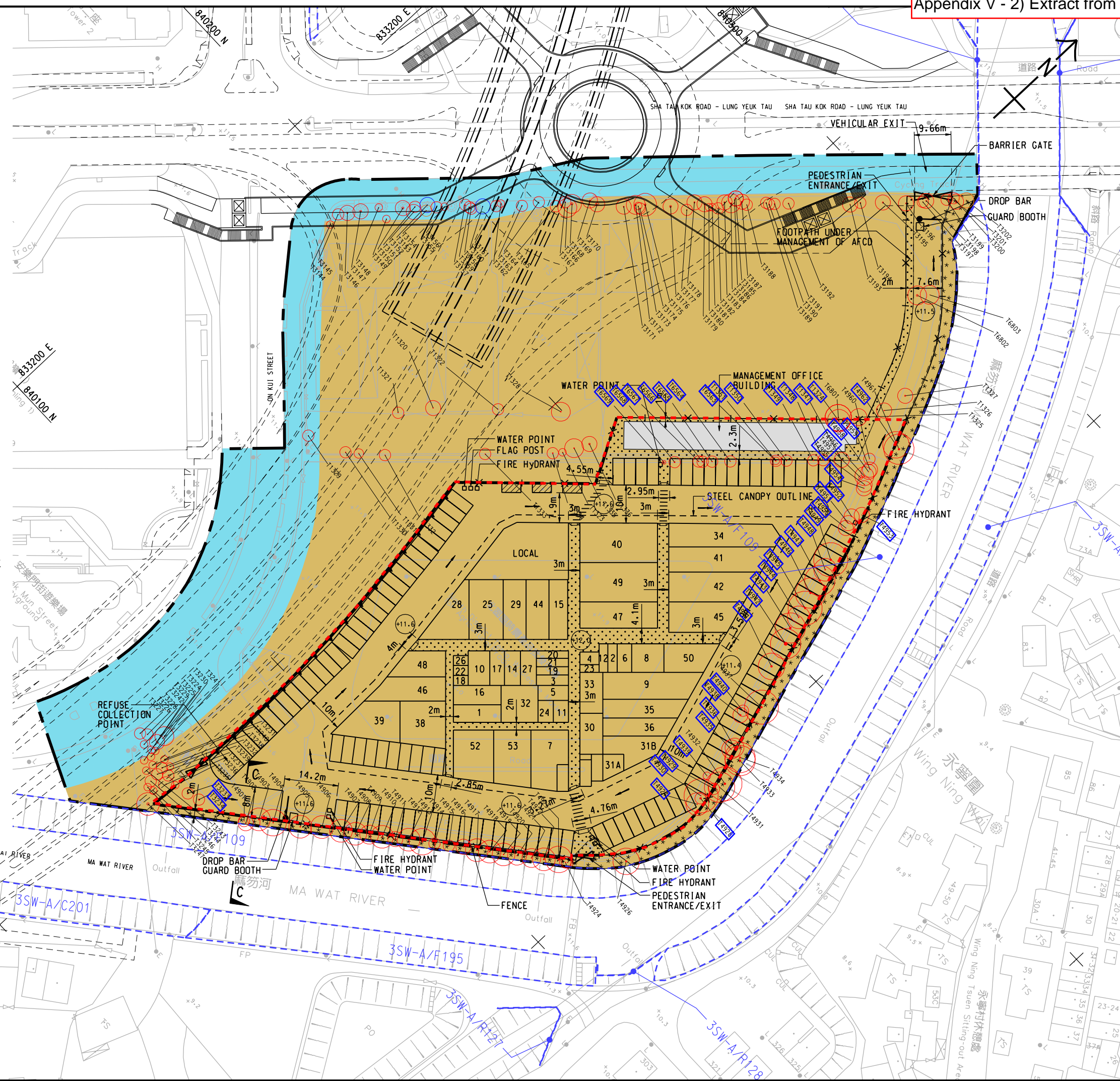


NOTES:

1. MINIMUM 7.3m CIRCULATION AISLE FOR VEHICLE.
2. MINIMUM TURNING RADIUS OF 13m WILL BE PROVIDED AND THE REQUIREMENT OF EVA WILL BE FULFILLED.

LEGEND:

- SITE BOUNDARY
- AREA OF NOTWIM DURING INTERIM STAGE
- SIMAR SLOPE BOUNDARY
- RETAINING WALL WITH BOUNDARY WALL
- FENCE
- BOUNDARY WALL
- OFFICE BUILDING
- MARKET WALKWAY
- STALL NUMBER
- 7mx3m PARKING SPACE
- 5mx2.5m PARKING SPACE
- TRAFFIC FLOW
- PEDESTRIAN CROSSING
- PUBLIC FOOTPATH
- T1150
- TREES TO BE RETAINED
- TREES TO BE TRANSPLANTED
- TREES TO BE FELLED
- DEAD TREES TO BE FELLED
- TREE GROUP TO BE RETAINED
- TREE GROUP TO BE FELLED
- FINISHED ROAD LEVEL
- DEPARTMENT TO PROVIDE EXPERT ADVICE
- PRIVATE
- ARCH SD
- LANDS D
- AFCD
- LCSD
- DSO
- HyD
- HD
- CEDD
- DP12 BOUNDARY
- TREES TO BE FELLED WITHIN DP12 BOUNDARY



AECOM

PROJECT

DEVELOPMENT OF KWU TUNG NORTH AND FANLING NORTH NEW DEVELOPMENT AREAS, PHASE 1 - DESIGN AND CONSTRUCTION

CLIENT

土木工務發展署  
CEDD Civil Engineering and Development Department

CONSULTANT

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分判工程顧問公司

ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.

STATUS

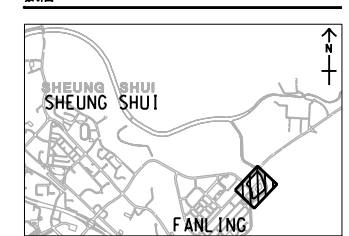
SCALE

A1 : 500

DIMENSION UNIT

METRES

KEY PLAN



PROJECT NO.

60335576

CONTRACT NO.

CE 13/2014 (CE)

SHEET TITLE

GENERAL LAYOUT (FINAL STAGE)

SHEET NUMBER

60335576/TR/502

Agreement No. CE 13/2014 (CE)

Development of Kwu Tung North and Fanling North New Development Areas - Phase 1 - Design and Construction

Tree Assessment Schedule - Individual Tree Survey

Trees within DP12 boundary

Surveyed and Prepared by Stanley To

Field Survey was conducted on 1/09/2016, Re-visit at 29/11/2018

Drawing No.	Contract No.	Tree No.	Photo No.	Botanical Name	Chinese Common Name	Department to provide expertise advice to LandsD	SIMAR Slope No.	SIZE (M)			Structural condition (Good / Fair / Poor)	Form (Good / Fair / Poor)	Health (Good / Fair / Poor)	Amenity Value (High/ Medium /Low)	Suitability for Transplanting	Remarks	Conservation Status	Recommendations (Retain /Transplant/Fell)	Justification	Remarks	Additional Remarks
								Height (m)	Trunk DBH (mm)	Spread (m)											
60335576/TR/501	C6	T1320	T1320	<i>Sapium sebiferum</i>	烏柏	AFCD		5	216	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Market Stall (Interim Stage)		ASC/DB/CAV
60335576/TR/501	C6	T1321	T1321	<i>Bischofia javanica</i>	秋楓	AFCD		4	151	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Market Stall (Interim Stage)		ASC/DB/COT
60335576/TR/501	C6	T1322	T1322	<i>Leucaena leucocephala</i>	銀合歡	AFCD		5	105	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB
60335576/TR/501	C6	T1323	T1323	<i>Leucaena leucocephala</i>	銀合歡	AFCD		4	118	2	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/BKT
60335576/TR/501	C6	T1324	T1324	<i>Acacia confusa</i>	台灣相思	AFCD		7	453	6	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Working Area for Constructing Building Structures (Interim Stage)		ASC/DB/MT
60335576/TR/501	C6	T1325	T1325	<i>Acacia confusa</i>	台灣相思	AFCD		7	401	4.5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Working Area for Constructing Building Structures (Interim Stage)		ASC/DB
60335576/TR/501	C6	T1326	T1326	<i>Macaranga tanarius</i>	血桐	AFCD		6.5	210	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Working Area for Constructing Building Structures (Interim Stage)		ASC/DB
60335576/TR/501	C6	T1327	T1327	<i>Acacia confusa</i>	台灣相思	AFCD		8	366	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/DB/LN
60335576/TR/501	C6	T1328	T1328	<i>Acacia confusa</i>	台灣相思	AFCD		6	302	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Interim Stage)		ASC/DB/COT
60335576/TR/501	C6	T1329	T1329	<i>Leucaena leucocephala</i>	銀合歡	LCSD		4	207	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/LN/CRA
60335576/TR/501	C6	T1330	T1330	<i>Leucaena leucocephala</i>	銀合歡	AFCD		7	174	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T1331	T1331	<i>Leucaena leucocephala</i>	銀合歡	AFCD		5	157	2.5	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T1332	T1332	<i>Leucaena leucocephala</i>	銀合歡	AFCD		4.5	150	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T1333	T1333	<i>Morus alba</i>	桑	AFCD		4	140	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Interim Stage)		ASC/DB/CLR/LN
60335576/TR/501	C6	T1334	T1334	<i>Leucaena leucocephala</i>	銀合歡	AFCD		5	320	3	Poor	Poor	Poor	Poor	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR/CAV
60335576/TR/501	C6	T1335	T1335	<i>Morus alba</i>	桑	AFCD		6	322	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/DB/MT/CRA
60335576/TR/501	C6	T1336	T1336	<i>Bombax ceiba</i>	木棉	AFCD		7	440	4	Fair	Poor	Poor	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/DB/COT/DS
60335576/TR/501	C6	T1347	T1347	<i>Leucaena leucocephala</i>	銀合歡	AFCD		8	266	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/COT/COB
60335576/TR/501	C6	T1348	T1348	<i>Leucaena leucocephala</i>	銀合歡	AFCD		8	260	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/COB/CAV
60335576/TR/501	C6	T1349	T1349	<i>Leucaena leucocephala</i>	銀合歡	AFCD		7	245	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/BKB
60335576/TR/501	C6	T1350	T1350	<i>Leucaena leucocephala</i>	銀合歡	AFCD		6	190	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T1351	T1351	<i>Leucaena leucocephala</i>	銀合歡	AFCD		6	190	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T3144	T3144	<i>Celtis sinensis</i>	朴樹	AFCD		3	159	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/CAV
60335576/TR/501	C6	T3145	T3145	<i>Melia azedarach</i>	苦楝	LCSD		4	153	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/LN/WDS
60335576/TR/501	C6	T3146	T3146	<i>Acacia confusa</i>	台灣相思	LCSD		5	347	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Entrance (Interim Stage)	Tree Missing During Recent Survey on 29.11.2018	LN/ASC/CAV/DK/WDS/DB/DS/HGR
60335576/TR/501	C6	T3147	T3147	<i>Acacia confusa</i>	台灣相思	LCSD		6	504	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Entrance (Interim Stage)		ASC/LN/DB/HGR
60335576/TR/501	C6	T3148	T3148	<i>Casearia glomerata</i>	嘉錫樹	LCSD		2	96	2	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)	Tree Missing During Recent Survey on 29.11.2018	XB/EPS/RP
60335576/TR/501	C6	T3149	T3149	<i>Leucaena leucocephala</i>	銀合歡	LCSD		5	162	2	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/ASC/DB/RP
60335576/TR/501	C6	T3150	T3150	<i>Acacia confusa</i>	台灣相思	LCSD		8	564	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		COB/LN/ASC/DB
60335576/TR/501	C6	T3151	T3151	<i>Celtis sinensis</i>	朴樹	LCSD		3	213	3	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/CAV/XB/DK
60335576/TR/501	C6	T3152	T3152	<i>Leucaena leucocephala</i>	銀合歡	LCSD		5	245	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/XB/DB/DS/RP
60335576/TR/502	C6	T3153	T3153	<i>Celtis sinensis</i>	朴樹	LCSD		5	207	4	Fair	Fair	Fair	Fair	Medium	-	Nil	Transplant	Direct Conflict with Proposed Parking Space (Interim Stage)		-
60335576/TR/501	C6	T3154	T3154	<i>Dead Tree</i>	死樹	LCSD		4	185	3	-	-	-	-	-	-	-	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		-
60335576/TR/501	C6	T3155	T3155	<i>Macaranga tanarius</i>	血桐	LCSD		4	169	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		TW/LN
60335576/TR/501	C6	T3156	T3156	<i>Macaranga tanarius</i>	血桐	LCSD		6	102	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		COB/LN/ER
60335576/TR/501	C6	T3157	T3157	<i>Celtis sinensis</i>	朴樹	LCSD		5	255	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/XB/DS
60335576/TR/501	C6	T3158	T3158	<i>Celtis sinensis</i>	朴樹	LCSD		7	191	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/XB
60335576/TR/501	C6	T3159	T3159	<i>Celtis sinensis</i>	朴樹	LCSD		8	299	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		TW/ASCLN/BKB/XB/DB
60335576/TR/501	C6	T3160	T3160	<i>Celtis sinensis</i>	朴樹	LCSD		5	131	4	Fair	Fair	Fair	Fair	Medium	-	Nil	Transplant	Direct Conflict with Proposed Parking Space (Interim Stage)		-
60335576/TR/501	C6	T3161	T3161	<i>Celtis sinensis</i>	朴樹	LCSD		7	261	3	Fair	Poor	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		COB/DB
60335576/TR/501	C6	T3162	T3162	<i>Celtis sinensis</i>	朴樹	LCSD		5	102	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		RR/LN/ASC
60335576/TR/501	C6	T3163	T3163	<i>Celtis sinensis</i>	朴樹	LCSD		6	290	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/TW/LNCLR/XB/WDS/DB
60335576/TR/501	C6	T3164	T3164	<i>Viburnum odoratissimum</i>	珊瑚樹	LCSD		3	160	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		MT/CAV/XB/EPS
60335576/TR/501	C6	T3165	T3165	<i>Celtis sinensis</i>	朴樹	AFCD		4	204	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		XB/DB/HGR/COK
60335576/TR/501	C6	T3166	T3166	<i>Acacia confusa</i>	台灣相思	AFCD		5	197	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/XB/DB
60335576/TR/501	C6	T3167	T3167	<i>Melia azedarach</i>	苦楝	LCSD		8	287	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/RR/LN/DB/HGR
60335576/TR/501	C6	T3168	T3168	<i>Acacia confusa</i>	台灣相思	AFCD		8	543	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/XB/HGR/MT
60335576/TR/501	C6	T3169	T3169	<i>Acacia confusa</i>	台灣相思	AFCD		7	303	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/XB/COK
60335576/TR/501	C6	T3170	T3170	<i>Bischofia javanica</i>	秋楓	AFCD		8	841	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		DB/DS/HGR/MT
60335576/TR/501	C6	T3171	T3171	<i>Leucaena leucocephala</i>	銀合歡	AFCD		7	312	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/ASC/DB
60335576/TR/501	C6	T3172	T3172	<i>Celtis sinensis</i>	朴樹	AFCD		6	318	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/COT/DB/DS
60335576/TR/501	C6	T3173	T3173	<i>Leucaena leucocephala</i>	銀合歡	AFCD		5	118	2	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/BKT/WDS
60335576/TR/501	C6	T3174	T3174	<i>Leucaena leucocephala</i>	銀合歡	AFCD		7	315	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/ASC/BKT/DB/MT



Drawing No.	Contract No.	Tree No.	Photo No.	Botanical Name	Chinese Common Name	Department to provide expertise advice to LandsD	SIMAR Slope No.	SIZE (M)			Structural condition (Good / Fair / Poor)	Form (Good / Fair / Poor)	Health (Good / Fair / Poor)	Amenity Value (Good / Fair / Poor)	Suitability for Transplanting	Remarks	Conservation Status	Recommendations (Retain /Transplant/Fell)	Justification	Remarks	Additional Remarks
								(High/ Medium /Low)													
60335576/TR/501	C6	T3175	T3175	<i>Celtis sinensis</i>	朴樹	AFCD		8	475	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		DK/WDS/DB/DS/MT
60335576/TR/501	C6	T3176	T3176	<i>Bischofia javanica</i>	秋楓	AFCD		8	519	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		CLR/WDS/DB/DS/MT
60335576/TR/501	C6	T3177	T3177	<i>Leucaena leucocephala</i>	銀合歡	AFCD		6	236	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/ASC/DB/HGR
60335576/TR/501	C6	T3178	T3178	<i>Leucaena leucocephala</i>	銀合歡	AFCD		5	329	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/BKB/HGR/EPS/RP
60335576/TR/501	C6	T3179	T3179	<i>Bischofia javanica</i>	秋楓	AFCD		6	371	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		DB/MT
60335576/TR/501	C6	T3180	T3180	<i>Thevetia peruviana</i>	黃花夾竹桃	AFCD		5	96	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/MT
60335576/TR/501	C6	T3181	T3181	<i>Leucaena leucocephala</i>	銀合歡	AFCD		5	102	2	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/COK
60335576/TR/501	C6	T3182	T3182	<i>Leucaena leucocephala</i>	銀合歡	AFCD		9	261	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/CAV/COT/DB
60335576/TR/501	C6	T3183	T3183	<i>Bischofia javanica</i>	秋楓	AFCD		6	341	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		WDS/DB/DS/TB
60335576/TR/501	C6	T3184	T3184	<i>Leucaena leucocephala</i>	銀合歡	AFCD		9	315	5	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/WDS
60335576/TR/501	C6	T3185	T3185	<i>Acacia confusa</i>	台灣相思	AFCD		4	146	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/BKB/DB/COK
60335576/TR/501	C6	T3186	T3186	<i>Acacia confusa</i>	台灣相思	AFCD		11	299	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/DB
60335576/TR/501	C6	T3187	T3187	<i>Bischofia javanica</i>	秋楓	AFCD		7	287	4	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/DK/DB/DS
60335576/TR/501	C6	T3188	T3188	<i>Bridelia tomentosa</i>	土蜜樹	AFCD		5	105	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/CLR/COK
60335576/TR/501	C6	T3189	T3189	<i>Bischofia javanica</i>	秋楓	AFCD		6	248	3	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/CAV/DB/DS
60335576/TR/501	C6	T3190	T3190	<i>Leucaena leucocephala</i>	銀合歡	AFCD		7	232	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/BKB/DB/DS
60335576/TR/501	C6	T3191	T3191	<i>Leucaena leucocephala</i>	銀合歡	AFCD		7	229	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/ASC/BKT/WDS/EPS
60335576/TR/501	C6	T3192	T3192	<i>Bischofia javanica</i>	秋楓	AFCD		6	258	3	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		DB/HGR/EPS
60335576/TR/501	C6	T3194	T3194	<i>Bischofia javanica</i>	秋楓	AFCD		8	290	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		CLR/COB/DB
60335576/TR/501	C6	T3195	T3195	<i>Bischofia javanica</i>	秋楓	AFCD		6	338	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		ASC/WDS/DB/HGR
60335576/TR/501	C6	T3196	T3196	<i>Celtis sinensis</i>	朴樹	AFCD		11	293	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/DB
60335576/TR/501	C6	T3197	T3197	<i>Cinnamomum burmannii</i>	陰香	AFCD		4	96	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Interim Stage)		LN/ASC/DB
60335576/TR/501	C6	T3198	T3198	<i>Bischofia javanica</i>	秋楓	AFCD		6	299	4	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Final Stage)		ASC/DK/DB/DS/TB
60335576/TR/501	C6	T3199	T3199	<i>Bischofia javanica</i>	秋楓	AFCD		4	219	3	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Final Stage)		TB/MT
60335576/TR/501	C6	T3200	T3200	<i>Celtis sinensis</i>	朴樹	AFCD		3	153	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/WDS/DB
60335576/TR/501	C6	T3201	T3201	<i>Acacia confusa</i>	台灣相思	AFCD		4	468	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN/ASC/DK/DB/TB/MT
60335576/TR/501	C6	T3202	T3202	<i>Dead Tree</i>	死樹	AFCD		4	318	4	-	-	-	-	-	-	-	Fell	Direct Conflict with Proposed Footpath (Final Stage)		-
60335576/TR/501	C6	T3224	T3224	<i>Elaeocarpus hainanensis</i>	水石榕	LCSD		5	268	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC
60335576/TR/501	C6	T3225	T3225	<i>Elaeocarpus hainanensis</i>	水石榕	LCSD		6	248	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		ASC/DB
60335576/TR/501	C6	T3226	T3226	<i>Elaeocarpus hainanensis</i>	水石榕	LCSD		5	213	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		ASC/DB
60335576/TR/501	C6	T3227	T3227	<i>Callistemon viminalis</i>	串錢柳	LCSD		4	153	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/TB/EPS
60335576/TR/501	C6	T3228	T3228	<i>Callistemon viminalis</i>	串錢柳	LCSD		5	159	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)	Tree Missing During Recent Survey on 29.11.2018	LN
60335576/TR/501	C6	T3229	T3229	<i>Grevillea robusta</i>	銀樺	LCSD		5	232	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/DB/RP
60335576/TR/501	C6	T3230	T3230	<i>Callistemon viminalis</i>	串錢柳	LCSD		5	146	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		ASC/CLR
60335576/TR/501	C6	T3231	T3231	<i>Callistemon viminalis</i>	串錢柳	AFCD		6	197	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/DB
60335576/TR/501	C6	T3232	T3232	<i>Callistemon viminalis</i>	串錢柳	AFCD		6	191	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/DB
60335576/TR/501	C6	T3233	T3233	<i>Grevillea robusta</i>	銀樺	AFCD		11	328	3	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		DS/HGR
60335576/TR/501	C6	T3234	T3234	<i>Grevillea robusta</i>	銀樺	AFCD		11	373	3	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		DB/DS/HGR
60335576/TR/501	C6	T3235	T3235	<i>Grevillea robusta</i>	銀樺	AFCD		4	140	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		WDS
60335576/TR/501	C6	T3236	T3236	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		5	201	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/XB/COK
60335576/TR/501	C6	T3237	T3237	<i>Grevillea robusta</i>	銀樺	AFCD		10	283	3	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		DB/HGR
60335576/TR/501	C6	T3238	T3238	<i>Grevillea robusta</i>	銀樺	AFCD		12	287	3	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		DB/HGR
60335576/TR/501	C6	T3239	T3239	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		5	159	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/COK
60335576/TR/501	C6	T3240	T3240	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		5	159	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		ASC/CAV
60335576/TR/501	C6	T3241	T3241	<i>Callistemon viminalis</i>	串錢柳	AFCD		4	127	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/DB
60335576/TR/501	C6	T3242	T3242	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		4	194	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/DB
60335576/TR/501	C6	T3243	T3243	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		4	197	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/COK
60335576/TR/501	C6	T3244	T3244	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		3	131	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		LN/ASC/DB/COK
60335576/TR/501	C6	T3245	T3245	<i>Callistemon viminalis</i>	串錢柳	AFCD		4	169	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		DS/TB/EPS
60335576/TR/501	C6	T3246	T3246	<i>Elaeocarpus hainanensis</i>	水石榕	AFCD		4	131	2	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		ASC
60335576/TR/501	C6	T3247	T3247	<i>Acacia confusa</i>	台灣相思	AFCD		4	643	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Roads (Final Stage)		XB/DF/DB/TB/MT
60335576/TR/501	C6	T4901	T4901	<i>Bridelia tomentosa</i>	土蜜樹	AFCD		7	127	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN/ASC/DBK
60335576/TR/501	C6	T4902	T4902	<i>Bauhinia variegata</i>	宮粉羊蹄甲	AFCD		8	185	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN/ASC/DBK
60335576/TR/501	C6	T4903	T4903	<i>Cinnamomum burmannii</i>	陰香	AFCD															

Drawing No.	Contract No.	Tree No.	Photo No.	Botanical Name	Chinese Common Name	Department to provide expertise advice to LandsD	SIMAR Slope No.	SIZE (M)			Structural condition (Good / Fair / Poor)	Form (Good / Fair / Poor)	Health (Good / Fair / Poor)	Amenity Value (Good / Fair / Poor)	Suitability for Transplanting	Remarks	Conservation Status	Recommendations (Retain /Transplant/Fell)	Justification	Remarks	Additional Remarks
								(High/ Medium /Low)													
60335576/TR/501	C6	T4906	T4906	Leucaena leucocephala	銀合歡	AFCD		10	360	6	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/DBK/ASC
60335576/TR/501	C6	T4907	T4907	Cinnamomum burmannii	陰香	AFCD		7	328	6	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/DS/ASC
60335576/TR/501	C6	T4908	T4908	Cinnamomum burmannii	陰香	AFCD		6	254	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		COT/XB/DB
60335576/TR/501	C6	T4909	T4909	Cinnamomum burmannii	陰香	AFCD		7	280	5	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB
60335576/TR/501	C6	T4910	T4910	Cinnamomum burmannii	陰香	AFCD		5	293	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DB
60335576/TR/501	C6	T4911	T4911	Cinnamomum burmannii	陰香	AFCD		6	254	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		COT/ASC/DBK
60335576/TR/501	C6	T4912	T4912	Cinnamomum burmannii	陰香	AFCD		6	306	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DB
60335576/TR/501	C6	T4913	T4913	Cinnamomum burmannii	陰香	AFCD		6	322	7	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DB/DS
60335576/TR/501	C6	T4914	T4914	Cinnamomum burmannii	陰香	AFCD		4	194	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		COT/ASC/DB
60335576/TR/501	C6	T4915	T4915	Cinnamomum burmannii	陰香	AFCD		3	134	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN/ASC/DB/CAV
60335576/TR/501	C6	T4916	T4916	Cinnamomum burmannii	陰香	AFCD		3	258	4	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN/ASC/DB/WDS
60335576/TR/501	C6	T4917	T4917	Cinnamomum burmannii	陰香	AFCD		5	252	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DB
60335576/TR/501	C6	T4918	T4918	Cinnamomum burmannii	陰香	AFCD		5	319	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DB
60335576/TR/501	C6	T4919	T4919	Cinnamomum burmannii	陰香	AFCD		6	268	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/DS/ASC
60335576/TR/501	C6	T4920	T4920	Cinnamomum burmannii	陰香	AFCD		5	207	5	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/DS/ASC
60335576/TR/501	C6	T4921	T4921	Cinnamomum burmannii	陰香	AFCD		5	210	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/DS/ASC
60335576/TR/501	C6	T4922	T4922	Cinnamomum burmannii	陰香	AFCD		6	366	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/DS/ASC
60335576/TR/501	C6	T4923	T4923	Aleurites moluccana	石栗	AFCD		7	455	7	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/DS/ASC
60335576/TR/501	C6	T4924	T4924	Bridelia tomentosa	土蜜樹	AFCD		3	187	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		DB/ASC
60335576/TR/501	C6	T4925	T4925	Celtis sinensis	朴樹	AFCD		3	108	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN
60335576/TR/501	C6	T4926	T4926	Aleurites moluccana	石栗	AFCD		8	366	7	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DBK
60335576/TR/501	C6	T4927	T4927	Acacia confusa	台灣相思	AFCD		8	194	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		LN/ASC/DBK
60335576/TR/501	C6	T4928	T4928	Celtis sinensis	朴樹	AFCD		6	464	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		COT/ASC/DBK
60335576/TR/501	C6	T4929	T4929	Acacia confusa	台灣相思	AFCD		10	134	9	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		MT/DB/DBK
60335576/TR/501	C6	T4930	T4930	Celtis sinensis	朴樹	AFCD		6	134	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		MT/DB/DBK
60335576/TR/501	C6	T4931	T4931	Bridelia tomentosa	土蜜樹	AFCD		7	213	8	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		COT/ASC
60335576/TR/501	C6	T4932	T4932	Aleurites moluccana	石栗	AFCD		11	483	9	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		COT/ASC/DB
60335576/TR/501	C6	T4933	T4933	Acacia confusa	台灣相思	AFCD		9	442	8	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		COT/ASC/LN/DB
60335576/TR/501	C6	T4934	T4934	Acacia confusa	台灣相思	AFCD		10	395	8	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		CRA/ASC/LN/DB
60335576/TR/501	C6	T4935	T4935	Macaranga tanarius	血桐	AFCD		5	208	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		MT/ASC/DB
60335576/TR/501	C6	T4936	T4936	Macaranga tanarius	血桐	AFCD		6	280	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		LN/ASC/DB
60335576/TR/501	C6	T4937	T4937	Celtis sinensis	朴樹	AFCD		10	468	9	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		ASC/DB
60335576/TR/501	C6	T4938	T4938	Leucaena leucocephala	銀合歡	AFCD		7	352	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		BKT/ASC/DB
60335576/TR/501	C6	T4939	T4939	Leucaena leucocephala	銀合歡	AFCD		4	140	2	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		WDS
60335576/TR/501	C6	T4940	T4940	Leucaena leucocephala	銀合歡	AFCD		7	175	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		DBK
60335576/TR/501	C6	T4941	T4941	Leucaena leucocephala	銀合歡	AFCD		10	457	7	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		DB/CLR
60335576/TR/501	C6	T4942	T4942	Acacia confusa	台灣相思	AFCD		10	830	8	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		MT/ASC/DB
60335576/TR/501	C6	T4943	T4943	Celtis sinensis	朴樹	AFCD		9	528	8	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		ASC/DB
60335576/TR/501	C6	T4944	T4944	Acacia confusa	台灣相思	AFCD		7	315	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		ASC/DB/CRA
60335576/TR/501	C6	T4945	T4945	Cinnamomum burmannii	陰香	AFCD		10	411	9	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		ASC/DB
60335576/TR/501	C6	T4946	T4946	Cinnamomum burmannii	陰香	AFCD		9	366	8	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		ASC/DB
60335576/TR/501	C6	T4947	T4947	Cinnamomum burmannii	陰香	AFCD		10	385	8	Fair	Fair	Fair	Fair	Low	b,c,d	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		CAV/ASC/DB
60335576/TR/501	C6	T4948	T4948	Cinnamomum burmannii	陰香	AFCD		9	312	6	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		ASC/DB/SUK
60335576/TR/501	C6	T4949	T4949	Celtis sinensis	朴樹	AFCD		9	475	9	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Parking Space (Final Stage)		ASC/DB
60335576/TR/501	C6	T4950	T4950	Leucaena leucocephala	銀合歡	AFCD		6	131	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		XB/ASC/DBK/CLR
60335576/TR/501	C6	T4951	T4951	Leucaena leucocephala	銀合歡	AFCD		6	192	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		COT/ASC/DBK
60335576/TR/501	C6	T4952	T4952	Leucaena leucocephala	銀合歡	AFCD		7	216	4	Poor	Poor	Poor	Poor	Low	b,c,f,g	Nil	Fell	Undesirable Species		COT/ASC/DBK/LN
60335576/TR/501	C6	T4953	T4953	Leucaena leucocephala	銀合歡	AFCD		5	143	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/ASC/DBK
60335576/TR/501	C6	T4954	T4954	Leucaena leucocephala	銀合歡	AFCD		7	166	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/LN/DB
60335576/TR/501	C6	T4955	T4955	Leucaena leucocephala	銀合歡	AFCD		7	169	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB
60335576/TR/501	C6	T4956	T4956	Celtis sinensis	朴樹	AFCD		7	242	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Final Stage)		ASC/DB
60335576/TR/501	C6	T4957	T4957	Leucaena leucocephala	銀合歡	AFCD		3	175	1	Poor	Poor	Poor	Poor	Low	b,c,f,g	Nil	Fell	Undesirable Species		LN/WDS
60335576/TR/501	C6	T4958	T4958	Leucaena leucocephala	銀合歡	AFCD		7	108	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DBK
60335576/TR/501	C6	T4959	T4959	Leucaena leucocephala	銀合歡	AFCD		7	150	4	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DBK
60335576/TR/501	C6	T4960	T4960	Celtis sinensis	朴樹	AFCD		7	143	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Final Stage)		LN/ASC/DB
60335576/TR/501	C6	T4961	T4961	Leucaena leucocephala	銀合歡	AFCD		10	460	8	Poor	Poor	Poor	Poor	Low	b,c,f,g	Nil	Fell	Undesirable Species		

Drawing No.	Contract No.	Tree No.	Photo No.	Botanical Name	Chinese Common Name	Department to provide expertise advice to LandsD	SIMAR Slope No.	SIZE (M)			Structural condition (Good / Fair / Poor)	Form (Good / Fair / Poor)	Health (Good / Fair / Poor)	Amenity Value (Good / Fair / Poor)	Suitability for Transplanting		Conservation Status	Recommendations (Retain /Transplant/Fell)	Justification	Remarks	Additional Remarks
								Height (m)	Trunk DBH (mm)	Spread (m)											
60335576/TR/501	C6	T4962	T4962	Macaranga tanarius	血桐	AFCD		9	280	7	Poor	Poor	Poor	Poor	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Footpath (Final Stage)		LN/ASC/DB
60335576/TR/501	C6	T6563	T6563	Leucaena leucocephala	銀合歡	AFCD		7	180	2	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T6564	T6564	Leucaena leucocephala	銀合歡	AFCD		7	160	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T6565	T6565	Morus alba	桑	AFCD		7	220	3	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Market Stall (Final Stage)		ASC/DB/CLR
60335576/TR/501	C6	T6566	T6566	Leucaena leucocephala	銀合歡	AFCD		7	311	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T6567	T6567	Leucaena leucocephala	銀合歡	AFCD		7	206	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T6568	T6568	Leucaena leucocephala	銀合歡	AFCD		7	342	3	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR/W/DS
60335576/TR/501	C6	T6569	T6569	Leucaena leucocephala	銀合歡	AFCD		6	260	1	Fair	Poor	Fair	Fair	Low	b,c,f,g	Nil	Fell	Undesirable Species		ASC/DB/CLR
60335576/TR/501	C6	T6801	T6801	Macaranga tanarius	血桐	AFCD		6	248	7	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Working Area for Constructing Building Structures (Interim Stage)		ASC/DB/LN/CRA
60335576/TR/501	C6	T6802	T6802	Acacia confusa	台灣相思	AFCD		8	493	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Final Stage)		ASC/DB
60335576/TR/501	C6	T6803	T6803	Acacia confusa	台灣相思	AFCD		8	95	5	Fair	Poor	Fair	Fair	Low	b,c,f	Nil	Fell	Direct Conflict with Proposed Vehicular Access (Final Stage)		ASC/DB/LN

**Notes**  
(1) Tree being fell by other project(s) shall follow corresponding TPRP(s), and no tree will be compensated/considered under this Project.  
(2) Tree being transplanted by other project(s) shall follow corresponding TPRP(s), and no tree will be transplanted/cosidered under this Project.

**Remarks for Suitability for Transplanting**  
(a) Low amenity value;  
(b) irrecoverable form after transplanting (e.g. if substantial crown and root pruning are necessary to facilitate the transplanting);  
(c) Low survival rate after transplanting;  
(d) very large size (unless the feasibility to transplant has been considered financially reasonable and technically feasible during th  
(e) with evidence of over-maturity and onset of senescence;  
(f) with poor health, structure or form (e.g. imbalanced form, leaning , with majorcavity/cracks/splits); or cavity/cracks/splits); or  
(g) undesirable species (e.g. Leucaena leucocephala which is an invasive exotic tree).  
(h) On steep slope.  
(l) Not cost -effectiveness

**Conservation status**  
(A) The Protection of Endangered Species of Animals and Plants Ordinance (Cap.586)  
(B) Forests and Countryside Ordinance (Cap. 96)

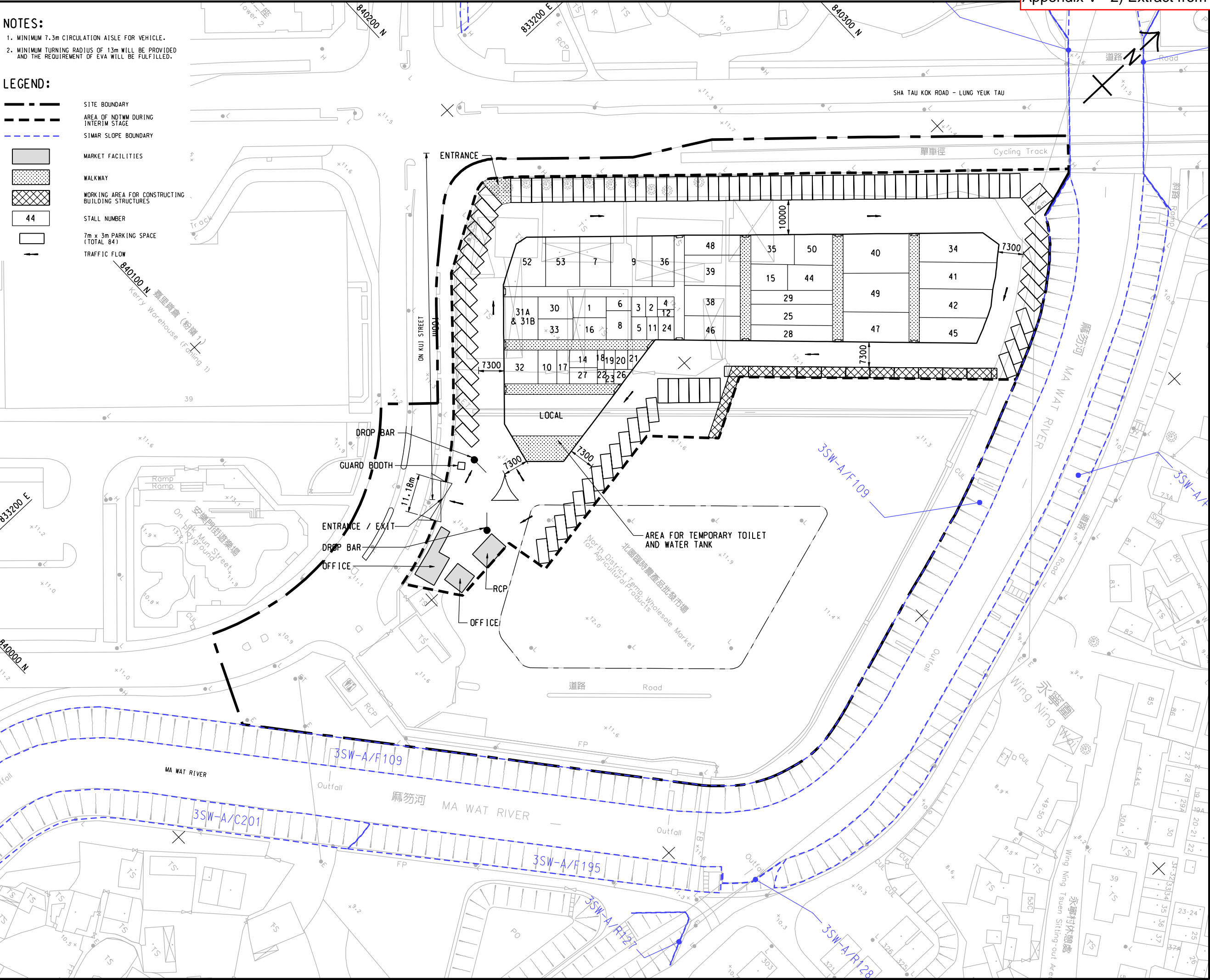
**Additional Remarks**  
ASC-Asymmetric Canopy; BAD-Bark Distortation; BKB-Broken Branches-wounds; BKT-Broken Trunk-wounds; PHG-Phoenix Regeneration  
CAV-Cavity; CLR-Climber; CNK-Canker; COB-Codominant Branches; COK-Crooks/Abrupt COT-Codominant Trunks; CRA-Cracks;  
DB-Dead Branches; DBK-Dieback/Dead Twigs; DF-Dead Fronds; DK-Decay; DS-Dead Stubs; EPS-Epicormic Shoot; ER-Exposed Root; FB-Fungal Fruiting Bodies; GR-Girdling Roots; HGR-Hanger;  
LN-Leaning; MT-Multi-Stems; RP-Root Plate Movement; RR-Restricted Root; SPT-Splits; SUK-Sucker; TB-Tipped Branch; TT-Termite Track; TW-Twisting; UR-Uprooted; WDS-Wounds; XB-Cross Branches



ISO A1 594mm x 841mm  
Approved:  
Checked:  
Designed:  
Project Management Initials:

- NOTES:
1. MINIMUM 7.3m CIRCULATION AISLE FOR VEHICLE.
  2. MINIMUM TURNING RADIUS OF 13m WILL BE PROVIDED AND THE REQUIREMENT OF EVA WILL BE FULFILLED.

- LEGEND:
- SITE BOUNDARY
  - AREA OF NOTW DURING INTERIM STAGE
  - SIMAR SLOPE BOUNDARY
  - MARKET FACILITIES
  - WALKWAY
  - WORKING AREA FOR CONSTRUCTING BUILDING STRUCTURES
  - STALL NUMBER
  - 7m x 3m PARKING SPACE (TOTAL 84)
  - TRAFFIC FLOW



AECOM

PROJECT

DEVELOPMENT OF  
KWU TUNG NORTH AND  
FANLING NORTH  
NEW DEVELOPMENT  
AREAS, PHASE 1 -  
DESIGN AND  
CONSTRUCTION

CLIENT

CEDD  
Civil Engineering and  
Development Department

CONSULTANT

AECOM Asia Company Ltd.  
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SUB-CONSULTANTS

分判工程顧問公司

ISSUE/REVISION

IR	DATE	DESCRIPTION	CHK.

STATUS

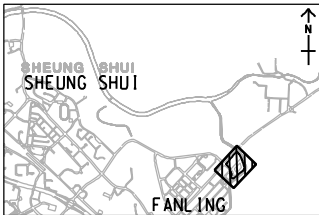
SCALE

A1 1: 500

DIMENSION UNIT

METRES

KEY PLAN



PROJECT NO.

60335576

CONTRACT NO.

CE 13/2014 (CE)

SHEET TITLE

COMPENSATORY PLANTING PLAN

SHEET NUMBER

60335576/TR/522

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**By Fax**

**MEMO**

<i>From</i>	Chief Estate Surveyor/ New Development Area, LandsD	<i>To</i>	Project Manager (North), Civil Engineering and Development Department
<i>Ref.</i>	( 58 ) in LD NDA/PD/2/2	<i>(Attn.</i>	Mr. Benedict WK YAU )
<i>Tel. No.</i>	3547 0707	<i>Your Ref.</i>	( ) in NDO-30-4160-772CL-4B-1
<i>Fax. No.</i>	3547 0756	<i>Dated</i>	Fax : 3547 1659
<i>Date</i>	6.10.2020	<i>Total</i>	2 + 3(encls.)

**Agreement No. CE 13/2014 (CE)  
Development of Kwu Tung North and Fanling North New Development Areas,  
Phase 1 – Design and Construction (“the Project”)**

**Supplementary Report for Tree Preservation and Removal Proposal  
for Tree Nos. T3153, T3160 and A039-AA002**

**(Ref.: C3-STPRP2&3-4)**

**And**

**Supplementary Report for Tree Preservation and Removal Proposal  
for Tree Group KT-G7.5, KT-G7.6, KT-G7.7, KT-G7.8, KT-G7.9, KT-G7.10, KT-G7.11,  
KT-G7.12, KT-G7.13, KT-G7.14, KT-G7.15, KT-G2.1 (Part of Tree Group), KT-G2.2 (Part  
of Tree Group), KT-G7.4 (Part of Tree Group) and KT-G29 (Part of Tree Group)**

**(Ref.: C3-STPRP4-3)**

I refer to the submission of two Supplementary Reports for Tree Preservation and Removal Proposal (STPRP) (Ref.: C3-STPRP2&3-4 and C3-STPRP4-3) (“the Reports”) from your consultant AECOM via letters dated 8.9.2020 and 28.9.2020 respectively.

2. Given that AFCD and Landscape Unit (LU) of CEDD have no adverse comment on the Reports, I am pleased to inform you that approval is hereby given to you for felling additional **887** trees (in cumulative total **7,616** trees to be felled), i.e. additional **72** trees as stated in para. 5.1.7 of the STPRP (Ref.: C3-STPRP2&3-4) and additional **815** trees as stated in para. 4.1.3 of the STPRP (Ref.: C3-STPRP4-3), which would be in conflict with the construction of the Project on the same conditions stipulated in our memo dated 25.1.2019 under Ref.: (31) in LD NDA/PD/2/2 and the additional **692** nos. of compensatory trees (in cumulative total **7,614** trees to be compensated) to be maintained by CEDD until they are taken over by the maintenance agents vide email of your Mr. CHAN Chi yam dated 5.10.2020(copy attached).

3. I reiterate that, in no event, LandsD will take up any maintenance responsibility of compensated trees as a result of commissioning of the Project. Should there be any change of maintenance responsibility for taking care of compensatory trees, please inform this office accordingly.



( L. M. KWOK )

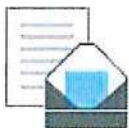
for Chief Estate Surveyor/New Development Area

c.c. (with encl.)

DLCS	(Attn.: Miss Yen IP)	Fax No.: 2695 3886
LU, CEDD	(Attn.: Mr. Edward LEUNG)	Fax No.: 2760 9401
NP(P), AFCD	(Attn.: Dr. Kevin HO)	Fax No.: 2377 4427
LA/LS1, WSD	(Attn.: Miss Victoria SO)	Fax No.: 3427 9517
E/N2, DSD	(Attn.: Mr. WONG Chau Lam)	Fax No.: 2770 4761



☒ Urgent ☐ Return Receipt Requested ☐ Sign ☐ Encrypt ☐ Mark Subject Restricted ☐ Expand personal&publ



**RE: ND/2019/01: Submission of Supplementary Report for Tree Preservation and Removal Proposal for Tree Group KT-G2.1 (Part of Tree Group), KT-G2.2 (Part of Tree Group), KT-G7.4 (Part of Tree Group), KT-G7.5, KT-G7.6, KT-G7.7, KT-G7.8, KT-G7.9,**

05/10/2020 15:26

From: CHI YAM CHAN/CEDD/HKSARG@CEDD  
 To: LM KWOK/LAO/LANDSD/HKSARG@LANDSD  
 Cc: BENEDICT WING KIU YAU/CEDD/HKSARG@CEDD, MAGGIE KA KI MAK/CEDD/HKSARG@CEDD, CH KWOK/LAO/LANDSD/HKSARG@LANDSD, Arra LF LEUNG/LAO/LANDSD/HKSARG@LANDSD

Dear Sammy,

We spoke. For the additional 692 nos. of compensatory trees mentioned in the subjected supplementary TPRP, we will explore feasible location(s) for their planting and to identify the responsible maintenance agent of the trees. We will also maintain the trees until they are taken over by the maintenance agent.

However, please also note that since the assessment on tree groups is pending on the resumption of land and is still on-going, the actual number of trees to be compensated will keep varying until all supplementary TPRPs are completed. By then, we can have a more comprehensive planning on the compensatory planting which allows us to identify the responsible maintenance agent(s).

Regards,

Chan Chi Yam  
 E/21(N), North Development Office, CEDD  
 Tel: 3547 1619

----- Forwarded by CHI YAM CHAN/CEDD/HKSARG on 05/10/2020 14:47 -----

From: "Lui, Ho Yin Eugene" <Eugene.Lui@aecom.com>  
 To: "slep1@landsd.gov.hk" <slep1@landsd.gov.hk>  
 Cc: "maggie.mak@cedd.gov.hk" <maggie.mak@cedd.gov.hk>, "benedictwkyau@cedd.gov.hk" <benedictwkyau@cedd.gov.hk>, "cychan@cedd.gov.hk" <cychan@cedd.gov.hk>, "aidia\_sw\_chen@afcd.gov.hk" <aidia\_sw\_chen@afcd.gov.hk>, alan.ho <alan.ho@fln-c6-aecom.com>, "simpson.leung@fln-c6-aecom.com" <simpson.leung@fln-c6-aecom.com>, "margie.ma@fln-c6-aecom.com" <margie.ma@fln-c6-aecom.com>, "soul.luk@fln-c6-aecom.com" <soul.luk@fln-c6-aecom.com>, "Yeung, Thomas" <thomas.yeung1@aecom.com>, "Ho, Yung Chi Chris" <chris.ho@aecom.com>, "ylpong@cedd.gov.hk" <ylpong@cedd.gov.hk>, "kevin\_ky\_ho@afcd.gov.hk" <kevin\_ky\_ho@afcd.gov.hk>  
 Date: 25/09/2020 09:29  
 Subject: RE: ND/2019/01: Submission of Supplementary Report for Tree Preservation and Removal Proposal for Tree Group KT-G2.1 (Part of Tree Group), KT-G2.2 (Part of Tree Group), KT-G7.4 (Part of Tree Group), KT-G7.5, KT-G7.6, KT-G7.7, KT-G7.8, KT-G7.9,

Dear Sammy (LandsD).

Please find the captioned STPRP report in the link below. Please also be advised that both AFCD and CEDD/LU had advised their no comment on the captioned report, thanks.

<https://wettransfer.com/downloads/4a9dee4a4de8bc93dc34e31c5bc9324f20200922103558/ca24f94ce3610453a2bebb2e4a29778d20200922103654/20aefb>

Regards  
Eugene Lui  
3922 8291

**From:** Ho, Yung Chi Chris <[chris.ho@aecom.com](mailto:chris.ho@aecom.com)>  
**Sent:** Saturday, 12 September 2020 4:52 PM  
**To:** [slep1@landsd.gov.hk](mailto:slep1@landsd.gov.hk); [ylpong@cedd.gov.hk](mailto:ylpong@cedd.gov.hk); [kevin\\_ky\\_ho@afcd.gov.hk](mailto:kevin_ky_ho@afcd.gov.hk)  
**Cc:** [maggiemak@cedd.gov.hk](mailto:maggiemak@cedd.gov.hk); [benedictwkyau@cedd.gov.hk](mailto:benedictwkyau@cedd.gov.hk); [cychan@cedd.gov.hk](mailto:cychan@cedd.gov.hk); [aidia\\_sw\\_chan@afcd.gov.hk](mailto:aidia_sw_chan@afcd.gov.hk); [alan.ho@fln-c6-aecom.com](mailto:alan.ho@fln-c6-aecom.com); [simpson.leung@fln-c6-aecom.com](mailto:simpson.leung@fln-c6-aecom.com); [margie.ma@fln-c6-aecom.com](mailto:margie.ma@fln-c6-aecom.com); [soul.luk@fln-c6-aecom.com](mailto:soul.luk@fln-c6-aecom.com); Yeung, Thomas <[thomas.yeung1@aecom.com](mailto:thomas.yeung1@aecom.com)>; Lui, Ho Yin Eugene <[Eugene.Lui@aecom.com](mailto:Eugene.Lui@aecom.com)>  
**Subject:** RE: ND/2019/01: Submission of Supplementary Report for Tree Preservation and Removal Proposal for Tree Group KT-G2.1 (Part of Tree Group), KT-G2.2 (Part of Tree Group), KT-G7.4 (Part of Tree Group),KT-G7.5, KT-G7.6, KT-G7.7, KT-G7.8, KT-G7.9,

To clarify, this email and the corresponding submission is to seek your further review on our revised STPRP and Responses to Comments before we further seek LandsD's approval on this report.

Due to matter of urgency to facilitate the construction works, it would be grateful if you can help on review it urgently and get back to us if you have any further comments. It would be much appreciated if you can come back to us within next week.

The Hard Copy will be sent to you on Tuesday.

Sorry for the rush.

**Dear Sammy (LandsD),**

Sorry for any misleading of this email. We will seek you assistant on approving this report upon we clear all the comments with CEDD/LU and AFCD.

Thanks.

Best Regards,  
Chris Ho  
3922 8981

**From:** Lui, Ho Yin Eugene <[Eugene.Lui@aecom.com](mailto:Eugene.Lui@aecom.com)>  
**Sent:** Friday, September 11, 2020 9:52 AM  
**To:** [slep1@landsd.gov.hk](mailto:slep1@landsd.gov.hk)  
**Cc:** [maggiemak@cedd.gov.hk](mailto:maggiemak@cedd.gov.hk); [benedictwkyau@cedd.gov.hk](mailto:benedictwkyau@cedd.gov.hk); [cychan@cedd.gov.hk](mailto:cychan@cedd.gov.hk); [ylpong@cedd.gov.hk](mailto:ylpong@cedd.gov.hk); [kevin\\_ky\\_ho@afcd.gov.hk](mailto:kevin_ky_ho@afcd.gov.hk); [aidia\\_sw\\_chan@afcd.gov.hk](mailto:aidia_sw_chan@afcd.gov.hk); [alan.ho@fln-c6-aecom.com](mailto:alan.ho@fln-c6-aecom.com); [simpson.leung@fln-c6-aecom.com](mailto:simpson.leung@fln-c6-aecom.com); [margie.ma@fln-c6-aecom.com](mailto:margie.ma@fln-c6-aecom.com); [soul.luk@fln-c6-aecom.com](mailto:soul.luk@fln-c6-aecom.com); Ho, Yung Chi Chris <[chris.ho@aecom.com](mailto:chris.ho@aecom.com)>; Yeung, Thomas <[thomas.yeung1@aecom.com](mailto:thomas.yeung1@aecom.com)>  
**Subject:** ND/2019/01: Submission of Supplementary Report for Tree Preservation and Removal Proposal for Tree Group KT-G2.1 (Part of Tree Group), KT-G2.2 (Part of Tree Group), KT-G7.4 (Part of Tree Group),KT-G7.5, KT-G7.6, KT-G7.7, KT-G7.8, KT-G7.9,

Dear Sir/Madam,



Agreement No. CE 13/2014 (CE)  
Development of Kwu Tung North and Fanling North  
New Development Areas, Phase 1 – Design and Construction

**Submission of Supplementary Report for Tree Preservation and Removal Proposal for Tree Group KT-G7.5, KT-G7.6, KT-G7.7, KT-G7.8, KT-G7.9, KT-G7.10, KT-G7.11, KT-G7.12, KT-G7.13, KT-G7.14, KT-G7.15, KT-G2.1 (Part of Tree Group), KT-G2.2 (Part of Tree Group), KT-G7.4 (Part of Tree Group), KT-G29 (Part of Tree Group)**

We are pleased to submit herewith the revised Supplementary Report for Tree Preservation and Removal Proposal (Ref: C3-STPRP4-3) of the captioned project for your approval, through the attached link below:-

<https://wettransfer.com/downloads/bea28e53dece214518498ceaf71fd7f220200911014245/2c4a9796308d733aff674b7f3522239d20200911014315/b70538>

The latest responses to comments, addressing all the comments from the relevant responsible parties, are also enclosed in the link above. Should you have any queries or require any further information, please feel free to contact our Mr. Chris Ho at 3922 8981 ([chris.ho@aecom.com](mailto:chris.ho@aecom.com)).

Regards,  
Eugene Lui  
3922 8291



20200924\_CEDD\_LU no comments.pdf



20200923\_AFCD no comments.pdf

4.3.5 Changing ground level is required for site formation for providing developable land in site area of Contract C6. All other trees, of which the suitability for transplanting are classified as low, in this report are unavoidable to be fell to facilitate site formation works.

4.3.6 Trees being surveyed for Tree Nos. T3153, T3160 and A039 to AA002 are all in fair or poor condition in term of amenity values, health, form and structural condition.

**Table 4.1 Summary of Tree Conditions Recorded in Tree Survey**

Condition	Structural condition	Form	Health	Amenity Value
<b>Fair</b>	49 (66.2%)	46 (62.2%)	50 (67.6%)	22 (29.7%)
<b>Poor</b>	25 (33.8%)	28 (37.8%)	24 (32.4%)	52 (70.3%)

4.3.7 Tree Assessment Schedule with justifications for trees to be affected is shown in **Appendix I**. Photos of tree surveyed are shown in **Appendix II**.

## 5 COMPENSATORY TREE PLANTING PROPOSALS

### 5.1 Guidelines for Compensation

5.1.1 A number of existing trees within the site will inevitably be affected by the Project. As far as possible, compensatory planting in a ratio not less than 1:1 in terms of number, i.e. the number of compensatory tree within the site and off-site shall not be lower than that the number of trees felled, including dead trees and trees of undesirable species shall be provided in accordance with DEVB TCW No. 7/2015 – Tree Preservation.

5.1.2 Compensatory tree planting will generally be of heavy standard size with trunk diameter at breast height (DBH) of a minimum 75mm.

5.1.3 For slope works, the ratio of 1:1 by number and the heavy standard requirement will not be applied due to the site constraints. The planting in the form of tree whips and shrub mix planting is proposed subject to the gradient of the proposed new slopes. The planting matrix refers to approved TPRP (Ref: C3-04).

5.1.4 Sufficient space shall be provided for the planting of compensatory trees taking into the account the adequate space required to cater for the establishment and healthy growth of the trees up to maturity.

5.1.5 Summary of compensatory tree planting proposed for KTN & FLN NDA approved by LandsD is listed in **Table 5.1**.

**Table 5.1 Tree Compensation Summary**

Description	C1	C2	C3	C5	C6	C7	Total
<b>Tree Felling Summary</b>							
(1) No. of Trees to be felled (including Dead Trees and Undesirable Tree)							
a) No. of Trees to be felled due to slope works (i.e. Existing Slope subject Cutting/Filling)	357	0	0	278	0	230	865
b) No. of Trees to be felled due to non-slope works	2831	117	23	1453	174	1221	5819
<i>Sub Total</i>	3188	117	23	1731	174	1451	6684
<b>Tree Compensation Summary</b>							
(2) No. of Heavy Standard Trees to be compensated	199	82	0	898	0	273	1452
(3) No. of Whip Trees to be planted within Woodland Mix Planting Area	4870	0	0	600	0	0	5470
<i>Sub Total</i>	5069	82	0	1498	0	273	6922

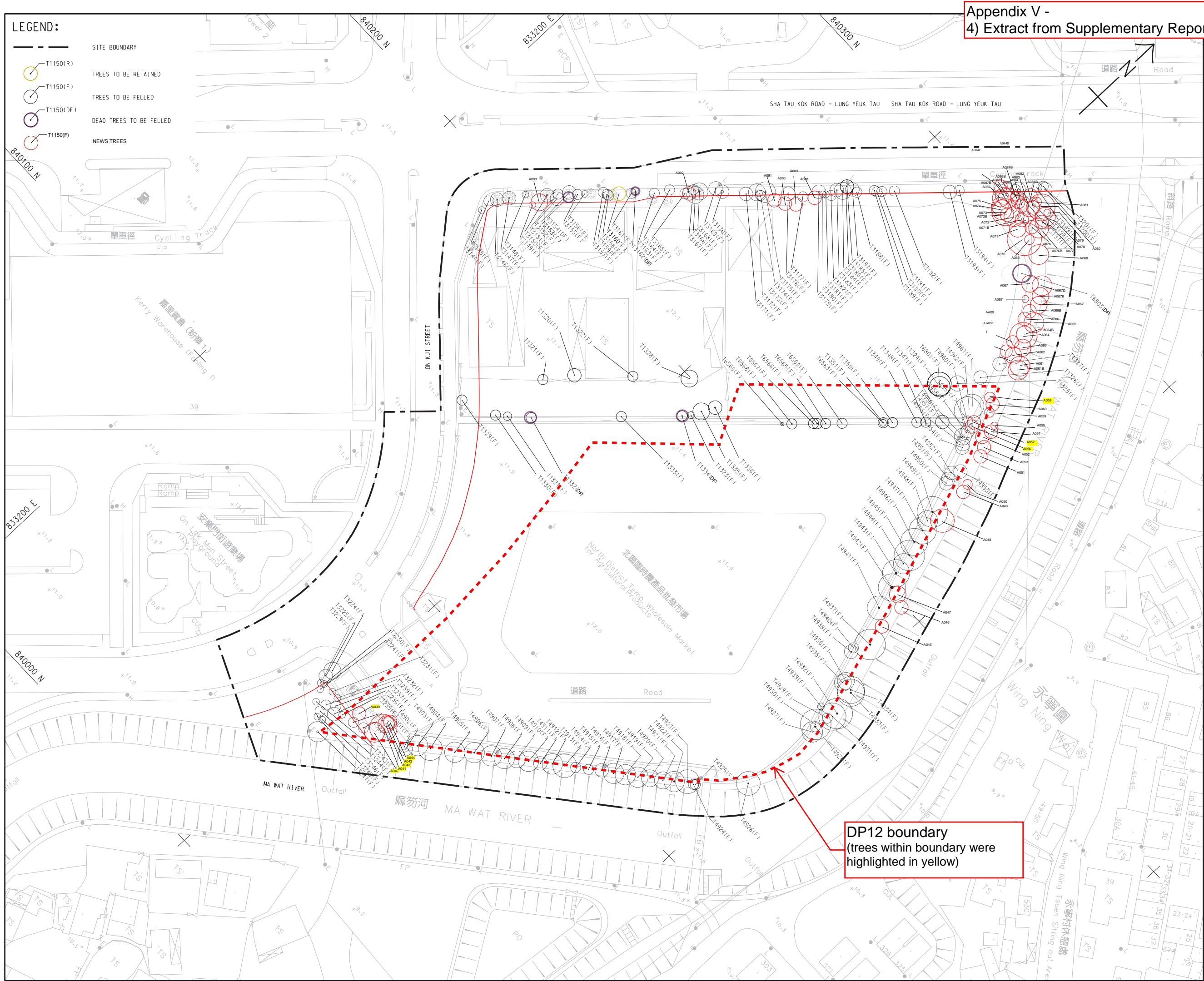
5.1.6 Taking into account of the supplementary TPRP for Tree Group KT-G28.2 in site area of Contract C1, submitted separately, the total nos. to be fell shall be increased from 6684 to 6729 by 45.

5.1.7 Taking into account of the updated individual tree survey for Tree Nos. T3153, T3160 and A039 to AA002 in site area of Contract C6, the total nos. to be fell shall be further increased from 6729 to 6801 by 72. The updated tree felling summary is listed in **Table 5.2**.

**Table 5.2 Updated Tree Felling Summary**

Description	C1	C2	C3	C5	C6	C7	Total
<b>Tree Felling Summary</b>							
(1) No. of Trees to be felled (including Dead Trees and Undesirable Tree)							
c) No. of Trees to be felled due to slope works (i.e. Existing Slope subject Cutting/Filling)	357	0	0	278	0	230	865
d) No. of Trees to be felled due to non-slope works	2831+45 =2876	117	23	1453	174+72 =246	1221	5936
<i>Sub Total</i>	3233	117	23	1731	246	1451	6801

5.1.8 The ratio between nos. of tree to be compensated and nos. of tree to be fell is still larger than 1 and hence no additional compensatory trees would be required.



Appendix V -  
4) Extract from Supplementary Report for TPRP (Page 2 of 3)

**PROJECT**  
項目

**DEVELOPMENT OF KWU TUNG NORTH AND FANLING NORTH NEW DEVELOPMENT AREAS, PHASE 1**

**CONTRACT TITLE:**  
FANLING NORTH NEW DEVELOPMENT AREA, PHASE 1: REPROVISIONING OF NORTH DISTRICT TEMPORARY WHOLESALE MARKET FOR AGRICULTURAL PRODUCTS

**CLIENT**  
業主

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

**CONSULTANT**  
工程顧問公司

**SUB-CONSULTANTS**  
分判工程顧問公司

**ISSUE/REVISION**  
修訂

NO.	DATE	DESCRIPTION	CHK.
-	Nov 2019	TREE SURVEY PLAN	

**STATUS**  
階段

**SCALE**  
比例

A1 1 : 500

**DIMENSION UNIT**  
尺寸單位

METRES

**KEY PLAN**  
索引圖

**PROJECT NO.**  
項目編號

**CONTRACT NO.**  
合約編號

ND/2019/06

**SHEET TITLE**  
圖紙名稱

TREE SURVEY PLAN

**SHEET NUMBER**  
圖紙編號

TSP-02



Agreement No. CE 13/2014 (CE)  
Development of Kwu Tung North and Fanling North New Development Areas - Phase 1 - Design and Construction  
Tree Assessment Schedule - Individual Tree Survey

Tree Nos. A039-AA005  
Surveyed and Prepared by Clement Wong  
Field Survey was conducted on 9-Dec-19

T3153 & T3160  
Gary Chan, Wing Ho Yuen Landscaping Co. Ltd.  
Oct-19

Tree No.	Botanical Name	Chinese Common Name	Department to provide expertise advice to LandsD	SIMAR Slope No.	Size (M)			Structural condition (Good/ Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Amenity Value (Good/ Fair/ Poor)	Suitability for Transplanting		Conservation Status				Recommendations (Retain/ Transplant/Fell)	Justification	Remarks
					Height	Trunk DBH (mm)	Spread					(High/ Medium /Low)	Remarks	Scheduled under Cap. 96	Protected under Cap. 586	Rare & precious Plants of Hong Kong (Status in China)	China Plant Red Data Book			
A039	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	8	100	4	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A040	<i>Celtis sinensis</i>	朴樹	AFCD	N/A	10	520	6	Poor	Fair	Fair	Poor	Low		No	No	No	No	Fell	-	fused with chain-link fence
A041	<i>Pterocarpus indicus</i>	紫櫟	AFCD	N/A	13	450	8	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A042, A043 and A044
A042	<i>Bauhinia sp.</i>	羊蹄甲屬	AFCD	N/A	9	200	5	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A041, A043 and A044
A043	<i>Bauhinia sp.</i>	羊蹄甲屬	AFCD	N/A	9	160	4	Poor	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	close to A041, A042 and A044, decay at trunk
A044	<i>Bauhinia sp.</i>	羊蹄甲屬	AFCD	N/A	8	200	4	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	close to A041, A042 and A043, cracked bark
A045	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	6	240	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	leaning, multiple pruning cuts
A046	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	9	200	4	Fair	Fair	Poor	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A047	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	7	150	5	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	epicormics, crossing branches
A048	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	10	420	7	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	decay at trunk
A049	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	7	160	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	codominant trunks
A050	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	5	100	3	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	severely leaning
A051	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	8	100	4	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A052	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	10	250	4	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A053	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	6	95	4	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
A054	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	6	100	4	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
A055	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	10	220	4	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A056	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	8	100	4	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A057	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	7	120	4	Fair	Fair	Fair	Poor	Low		No	No	No	No	Fell	-	western side of rootball bounded by kerb
A058	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	4	310	2	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A059	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	4	180	3	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
A060	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	5	200	4	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
A061	<i>Celtis sinensis</i>	朴樹	AFCD	N/A	12	450	6	Poor	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	trunk fused with A061B, extensive roots
A061B	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	12	650	6	Poor	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	fungal fruiting bodies, trunk fused with A061, extensive roots
A062	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	10	500	5	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	senescent, extensive roots
A063	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	7	480	5	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	senescent, dead branch, extensive roots
A064	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	12	750	8	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	senescent, extensive roots, close to A064B
A064B	<i>Bridelia tomentosa</i>	土蜜樹	AFCD	N/A	8	140	5	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	close to A064, dieback, decay
A065	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	9	500	6	Fair	Poor	Poor	Poor	Low		No	No	No	No	Fell	-	on slope, senescent, abruptly bent, extensive roots
A066	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	10	500	4	Poor	Poor	Poor	Poor	Low		No	No	No	No	Fell	-	senescent, uprooted, close to A066B, decay, vertical crack on trunk
A066B	<i>Bridelia tomentosa</i>	土蜜樹	AFCD	N/A	7	150	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	close to A066, leaning, epiphytic climbers
A067	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	9	750	5	Poor	Poor	Poor	Poor	Low		No	No	No	No	Fell	-	senescent, trunk fused with A067B, decay at trunk, fungal fruiting bodies
A067B	<i>Celtis sinensis</i>	朴樹	AFCD	N/A	10	550	5	Poor	Poor	Poor	Poor	Low		No	No	No	No	Fell	-	trunk fused with A067, topped, extensive roots
A067C	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	4	430	2	Fair	Fair	Poor	Fair	Low		No	No	No	No	Fell	-	epicormics, epiphytic climbers
A067D	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	7	650	6	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A067E	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	10	550	5	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	senescent, epicormics, epiphytic climbers
A068	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	7	400	6	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	severely leaning
A069	<i>Bridelia tomentosa</i>	土蜜樹	AFCD	N/A	6	250	3	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	severely leaning
A070	<i>Ficus microcarpa</i>	細葉榕	AFCD	N/A	7	650	10	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	extensive prop roots
A071	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	10	550	5	Fair	Fair	Fair	Poor	Low		No	No	No	No	Fell	-	senescent, close to A071B
A071B	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	6	200	4	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A071, epicormics
A072	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	8	250	6	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	leaning
A072B	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	8	200	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	leaning
A073	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	8	300	8	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	epicormics, unbalanced crown
A074	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	8	280	6	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	epicormics, unbalanced crown
A075	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	10	280	5	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A076	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	6	300	4	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	broken branch, decay at trunk
A076B	<i>Bridelia tomentosa</i>	土蜜樹	AFCD	N/A	8	250	6	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
A077	<i>Celtis sinensis</i>	朴樹	AFCD	N/A	7	250	4	Poor	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	trunk fused with railing
A078	<i>Celtis sinensis</i>	朴樹	AFCD	N/A	8	350	6	Poor	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	trunk fused with railing, decay at trunk
A079	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	3	200	2	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A080	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	12	750	8	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	dead branch, decay at trunk
A081	<i>Viburnum odoratissimum</i>	珊瑚樹	AFCD	N/A	4	200	3	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	close to A081B, abruptly bent
A081B	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	6	300	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	close to A081, bulge at root collar, leaning
A082	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	6	250	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	topped
A083	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	8	450	6	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	dead branch, decay at trunk
A084	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	7	300	4	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A084B and A084C
A084B	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	12	550	8	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	close to A084 and A084C, senescent
A084C	<i>Celtis sinensis</i>	朴樹	LCSD	N/A	10	350	8	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A084 and A084B
A085	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	6	280	4	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A085B
A085B	<i>Viburnum odoratissimum</i>	珊瑚樹	AFCD	N/A	6	200	4	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	close to A085
A086	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	10	280	6	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A087	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	10	250	5	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A087B	<i>Leucaena leucocephala</i>	銀合歡	AFCD	N/A	10	200	5	Fair	Fair	Fair	Poor	Low	Invasive species	No	No	No	No	Fell	-	invasive species
A088	<i>Bridelia tomentosa</i>	土蜜樹	AFCD	N/A	7	110	4	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
A089	<i>Macaranga tanarius</i>	血桐	AFCD	N/A	9	120	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	leaning
A090	<i>Cinnamomum burmannii</i>	陰香	AFCD	N/A	7	120	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	lack of scaffold branches
A091	<i>Acacia confusa</i>	台灣相思	AFCD	N/A	6	110	4	Poor	Poor	Fair	Poor	Low		No	No	No	No	Fell	-	crooked trunk
A092	<i>Dimocarpus longan</i>	龍眼	LCSD	N/A	7	120	4	Fair	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	fruit tree
A093	<i>Macaranga tanarius</i>	血桐	LCSD	N/A	8	130	5	Fair	Poor	Fair	Fair	Low		No	No	No	No	Fell	-	unbalanced crown
AA001	<i>Celtis sinensis</i>	朴樹	AFCD	N/A	7	160	5	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	dieback
AA002	<i>Bridelia tomentosa</i>	土蜜樹	AFCD	N/A	8	200	4	Fair	Fair	Poor	Poor	Low		No	No	No	No	Fell	-	epicormics, dieback
T3153	<i>Celtis sinensis</i>	朴樹	LCSD	N/A	5	207	4	Poor	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	large wound on trunk
T3160	<i>Celtis sinensis</i>	朴樹	LCSD	N/A	5	131	4	Poor	Fair	Fair	Fair	Low		No	No	No	No	Fell	-	wound, unbalanced crown

## APPENDIX VI

### DETAILED PLANTING PLAN WITH PLANTING SCHEDULE AND SECTION

FIGURE LIST				
	TITLE OF FIGURES	FIGURE NO.	SCALE	REVISION
1	Landscape Planting Plan, Section and Schedule	60335579/C6/C00/1801	1:1000 @A3	-

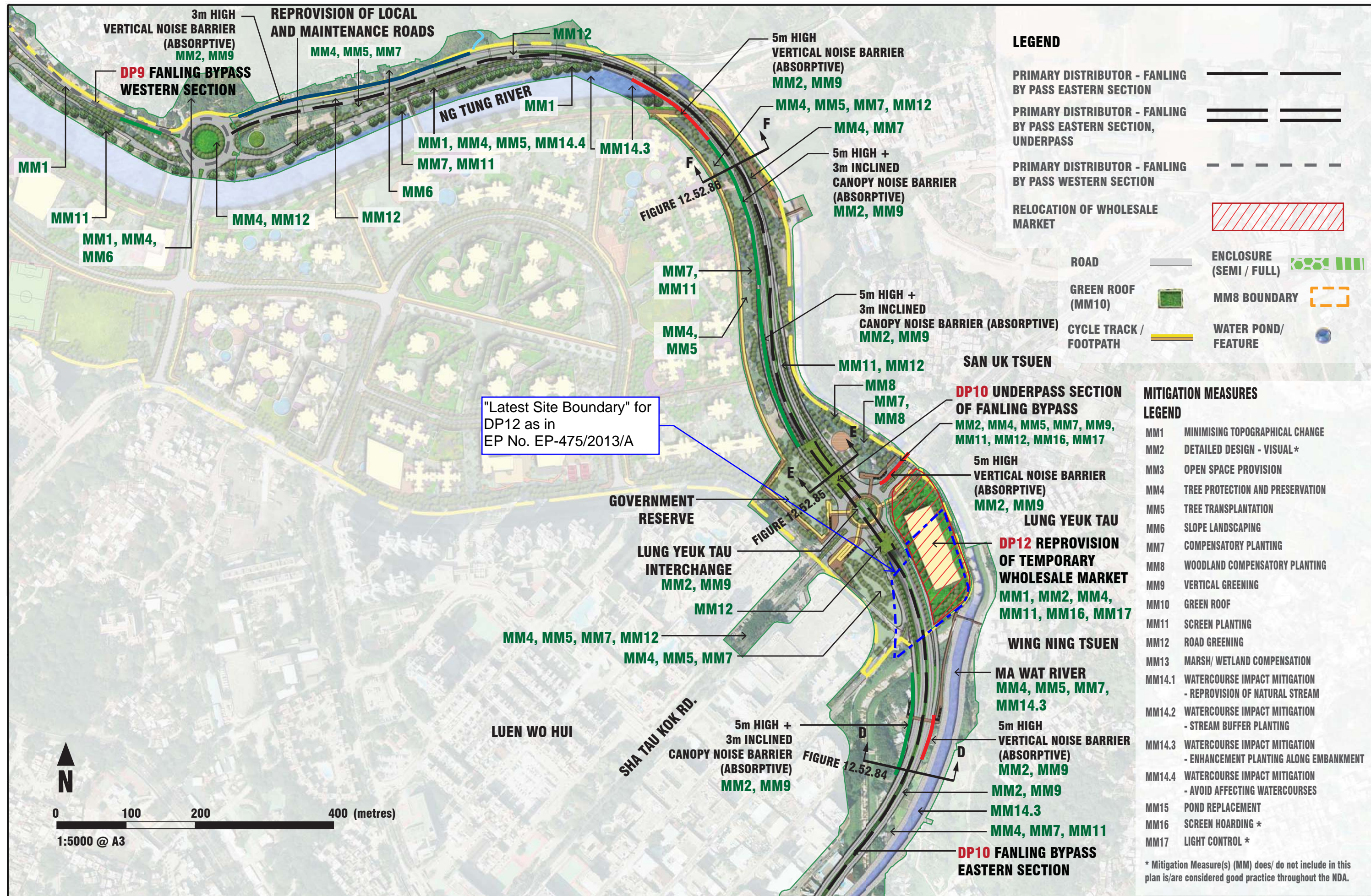
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\* NATIVE SPECIES

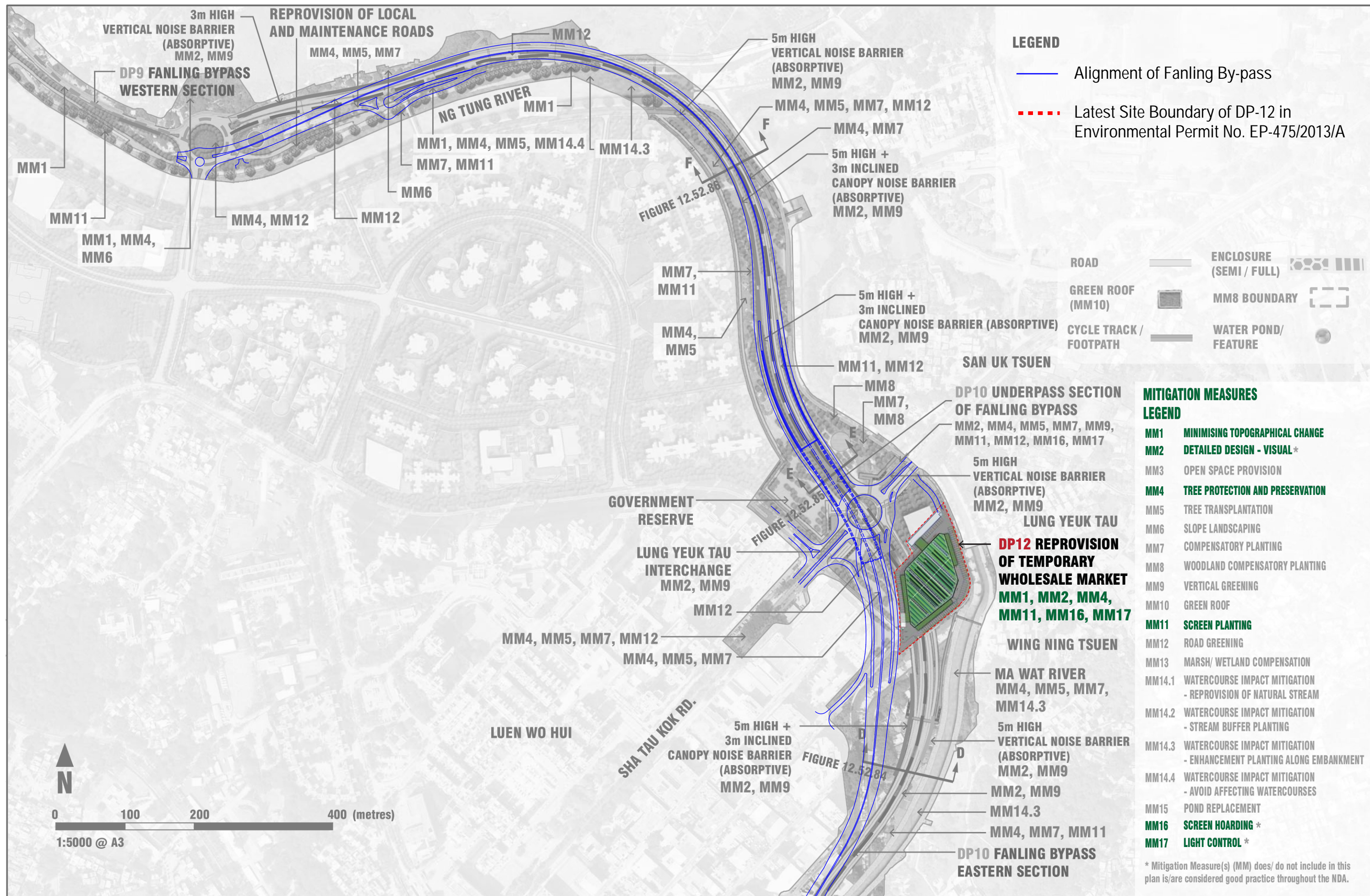
## **APPENDIX VII**

### **COMPARISON FIGURES WITH AEIAR-175/2013**









## **APPENDIX VIII**

### **DETAILED DRAWINGS AND COLOUR SPECIFICATIONS FOR BUILDINGS AND MARKET CANOPY STRUCTURE**



## PART 11: Material Schedule

**Generally** 29.35 The following items of materials and finishes, and paints are to be submitted by the *Contractor* with samples, catalogue for acceptance prior to commencement of works  
The exact location of the items refer to that shown in the tender drawings

**Tile** 29.36

T01	
Location:	Male Toilet, Shower & Changing Room (Floor & Partial Wall) Female Toilet, Shower & Changing Room (Floor & Partial Wall)
Type:	Non-slip homogenous tiles
Colour:	Light yellow
Dimensions:	300 x 600

T02	
Location:	AFSD Staff Room C.M.O. Guard/CCTV/Server Room Store Room
Type:	Vinyl floor
Colour:	Wood pattern

T03	
Location:	Kiosk Disable Toilet
Type:	Non-slip homogenous tiles
Colour:	Light grey
Dimensions:	300 x 600

T04	
Location:	Ground Floor Corridor Access Staircase to Roof
Type:	Non-slip homogenous tiles
Colour:	Dark grey
Dimensions:	100 x 100 x 18



T05	
Location:	Roof Floor Upper Roof Floor
Type:	Concrete tiles
Colour:	Light grey
Dimensions:	600 x 600



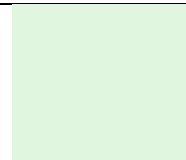
T06	
Location:	Back Lane Pavement
Type:	Cement Sand Screeding





**Paint Color  
reference**


29.37


P01	
Location:	External Wall of Management Office Building Fence Post Fence Post*(Exact location refers to elevations) *(Exact location refers to elevations)
Colour:	Pantone 9560 U



P02	
Location:	External Columns of Management Office Building Fence Post *(Exact location refers to elevations) Al. roof cladding strip of Market Canopy *(Exact location refers to drawing C6/C00/2022)
Colour:	CMYK 42 0 63 40
	

P03	
Location:	External Columns of Management Office Building Fence Post *(Exact location refers to elevations) Al. roof cladding strip of Market Canopy *(Exact location refers to drawing C6/C00/2022)
Colour:	CMYK 75 0 53 70
	

P04	
Location:	Al. roof cladding strip of Market Canopy *(Exact location refers to drawing C6/C00/2022)
Colour:	CMYK 100 0 72 45
	

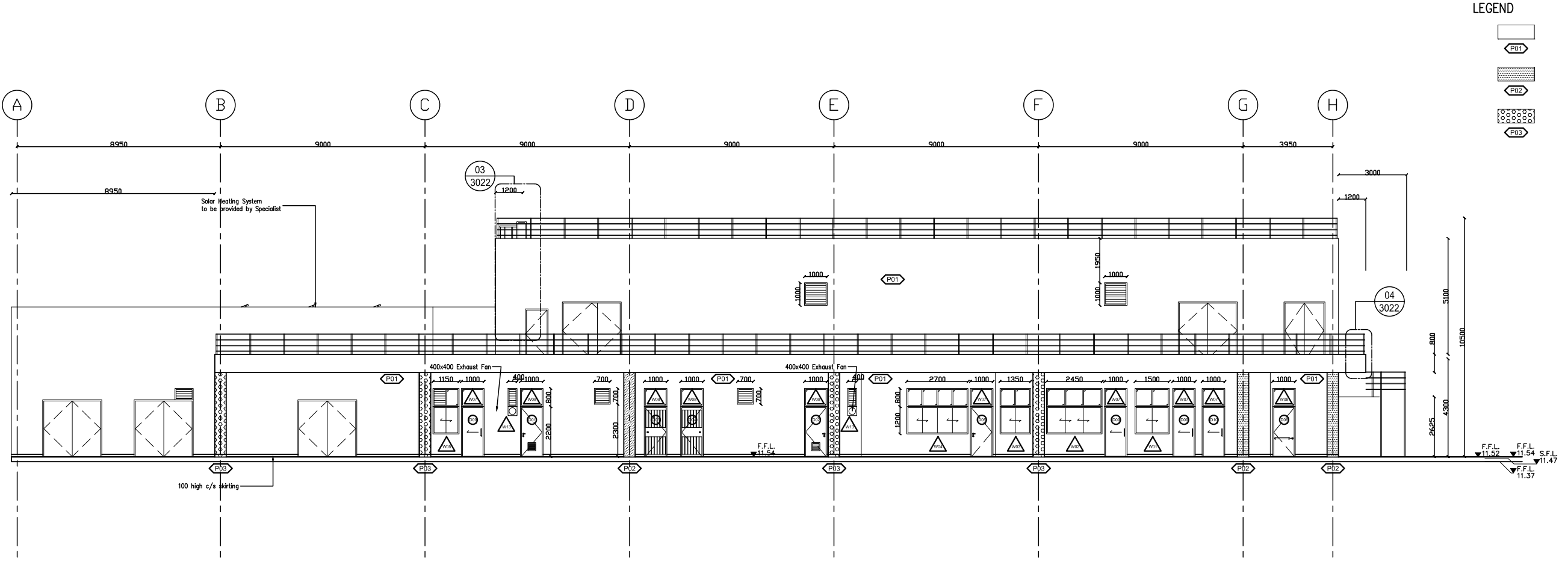
P05	
Location:	Canopy Signage Canopy Roof louvers Canopy Roof access staircase
Colour:	Pantone 423C
	

P06	
Location:	Canopy Columns Canopy Trusses Canopy Purlins and Sub-frames Canopy Roof Guardrail Canopy Roof Hatch Door
Colour:	Pantone 421C

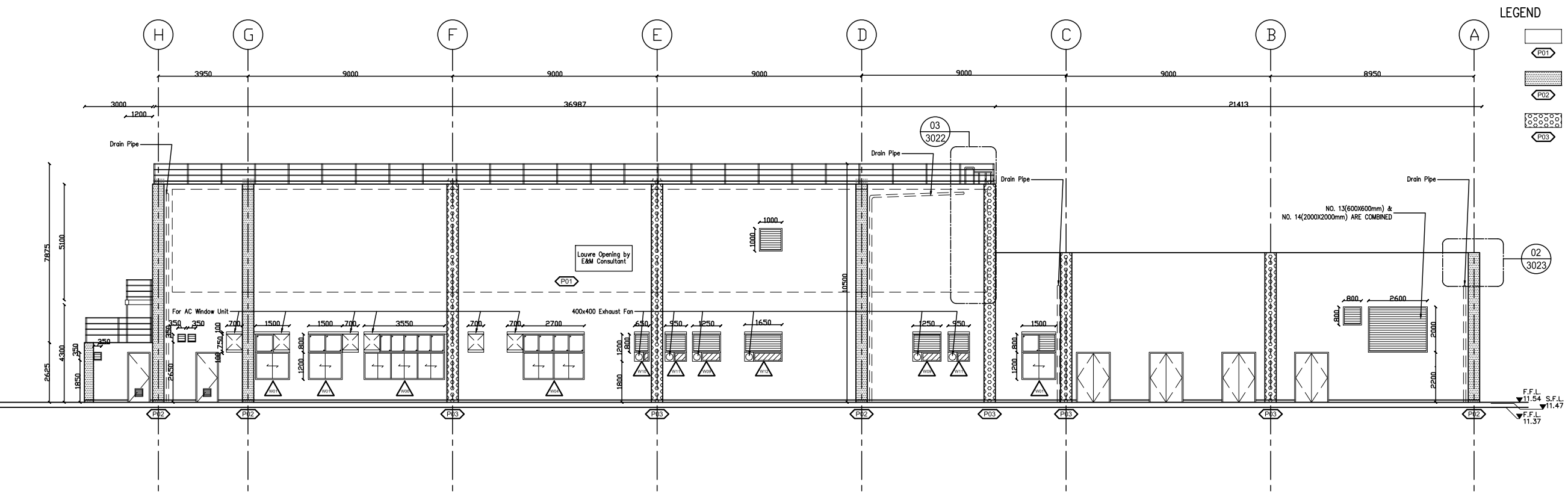
P07	
Location:	Roof edge Aluminium cladding Glass Frame of the Skylight
Colour:	White



ISO A1 594mm x 841mm  
Approved IHWL  
Checked KTW  
Designer CCMT  
Project Management Initials:  
30.03.2019  
PATH F:\Google Drive\1702\_FANLING Wholesale Market\Modelling\1702\_FANLING Wholesale Market.dwg



01 FRONT ELEVATION  
3011 SCALE 1:100 @A1 1:200 @A3



02 BACK ELEVATION  
3011 SCALE 1:100 @A1 1:200 @A3

PROJECT

项目

DEVELOPMENT OF

KWU TUNG NORTH AND

FANLING NORTH

NEW DEVELOPMENT

AREAS, PHASE 1

CONTRACT TITLE:

FANLING NORTH NEW DEVELOPMENT AREA, PHASE 1: REPROVISIONING OF NORTH DISTRICT TEMPORARY WHOLESALE MARKET FOR AGRICULTURAL PRODUCTS

CLIENT

業主

土木

工程

拓展

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STATUS	
Rev	Description
-	TENDER DRAWING

SCALE	DIMENSION UNIT
比例	尺寸單位
1:100 @A1	MM

KEY PLAN	
索引圖	說明
-	

PROJECT NO.	CONTRACT NO.
項目編號	合約編號
60335576	ND/2019/06

SHEET TITLE
圖紙名稱
MANAGEMENT OFFICE BUILDING ELEVATIONS

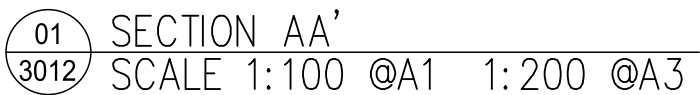
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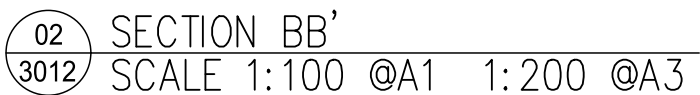
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-	FEB-19	TENDER DRAWING	IHWL
I/R 日期	DATE 日期	DESCRIPTION 内容摘要	CHK. 审核

**附設**

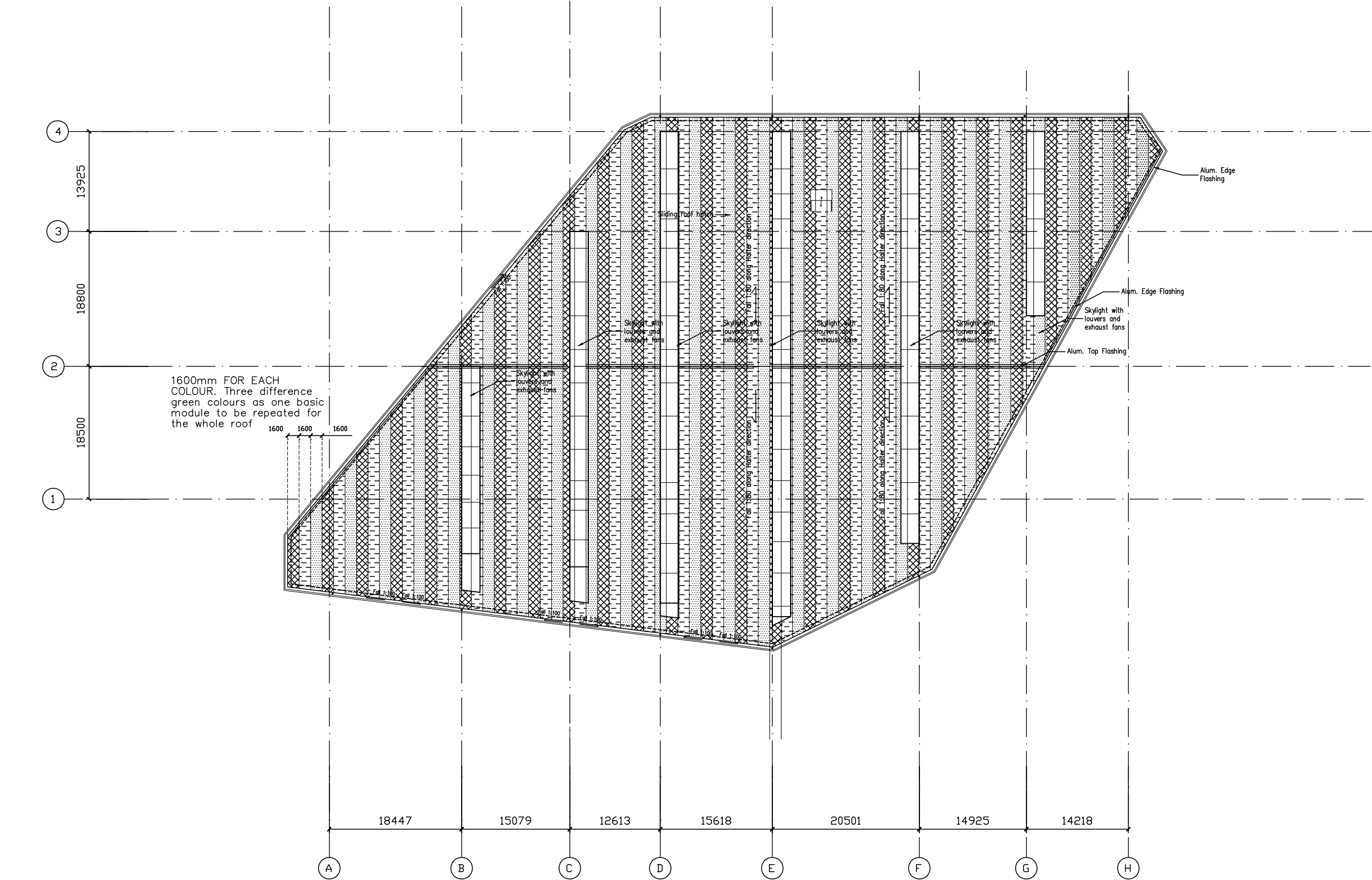
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SHEET NUMBER  
圖紙編號

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60335576/C6/C00/3012



LEGEND

Colour Reference CMYK 100 0 72 45 P04

Colour Reference CMYK 75 0 53 70 P03

Colour Reference CMYK 42 0 63 40 P02

Note:  
The contractor should verify the dimensions on site, design and submit shop drawings with structural calculations when necessary of the following works: Roofing System above structure truss including but not limited to: Roof Purlin, Roof cladding and accessories, Roof edge Aluminium cladding and gutter, Roof Insulation and Waterproofing layer, Skylight and louvers, Solar panels and subframe, Roof Railing, Roof Aluminium cut-out Signage & Access Staircase and Sliding hatch door to the roof



PROJECT  
項目

DEVELOPMENT OF  
KWU TUNG NORTH AND  
FANLING NORTH  
NEW DEVELOPMENT  
AREAS, PHASE 1

CONTRACT TITLE:

FANLING NORTH NEW  
DEVELOPMENT AREA, PHASE 1:  
REPROVISIONING OF  
NORTH DISTRICT TEMPORARY  
WHOLESALE MARKET FOR  
AGRICULTURAL PRODUCTS

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Civil Engineering and  
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STATUS  
階段

SCALE  
比例

AS SHOWN

DIMENSION UNIT  
尺寸單位

MM

KEY PLAN  
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PROJECT NO.  
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ND/2019/06

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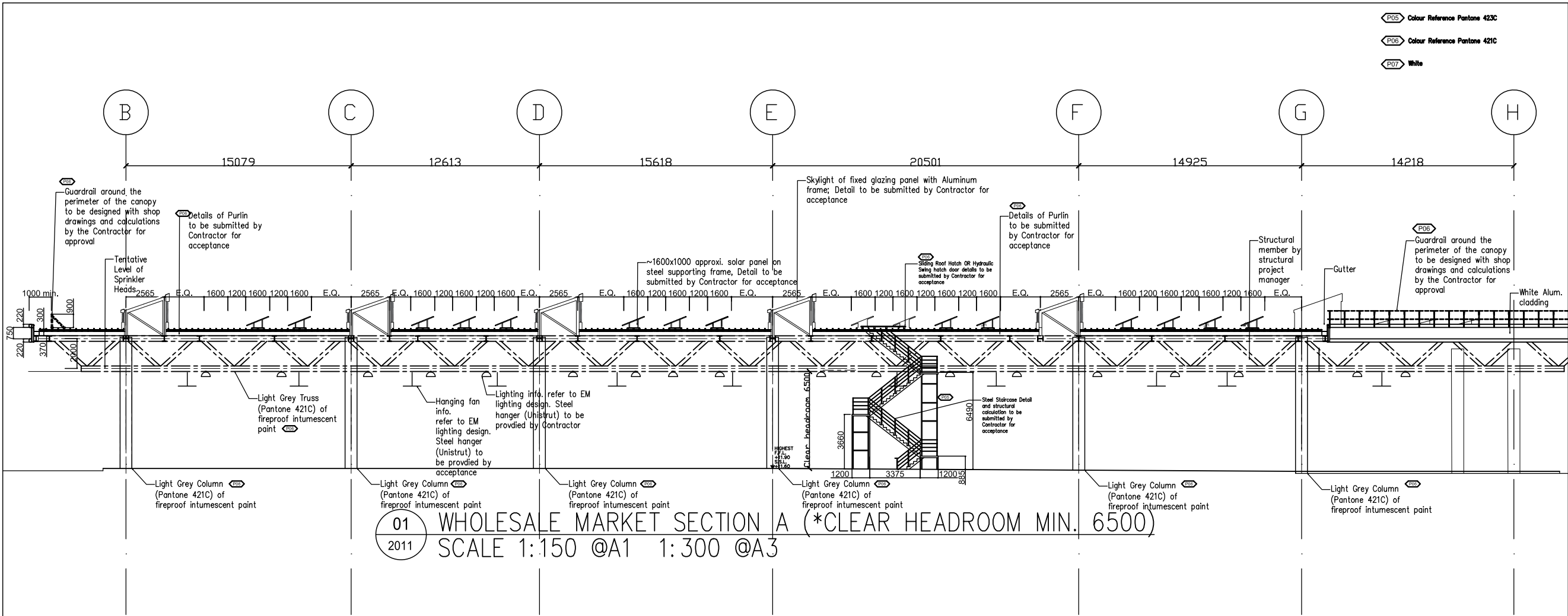
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COLOUR PATTERN OF  
ROOF STRIP PANELS

SHEET NUMBER  
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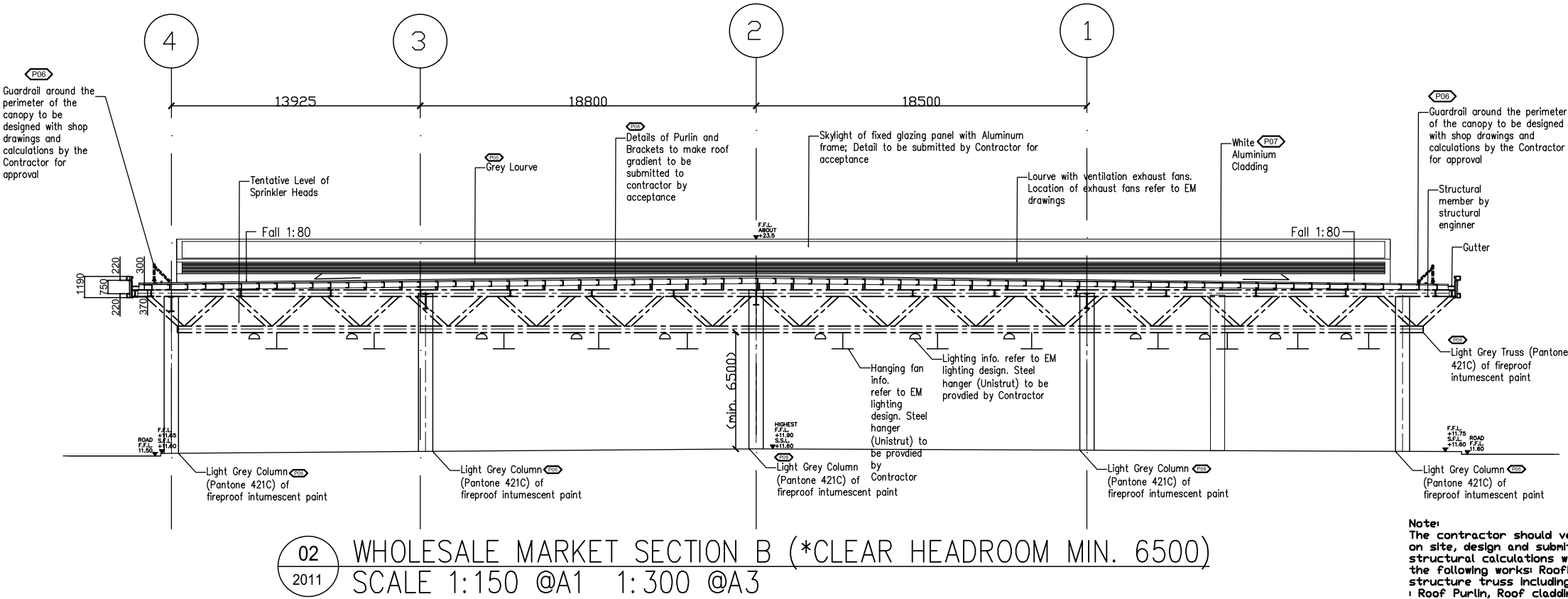
60335576/C6/C00/2022

01  
2022

SHOWING COLOUR PATTERN OF ROOF STRIP PANELS  
SCALE 1:300 @A1 1:600 @A3



\*Details of steel hangers ( to support lamps, fans, sprinklers, cable trunks and other E/M equipments ) to be designed by Contractors



Note:  
The contractor should verify the dimensions on site, design and submit shop drawings with structural calculations when necessary of the following works: Roofing System above structure truss including but not limited to: Roof Purlin, Roof cladding and accessories, Roof edge Aluminium cladding and gutter, Roof insulation and Waterproofing layer, Skylight and louvers, Solar panels and subframe, Roof Railing, Roof Aluminium cut-out Signage & Access Staircase and Sliding hatch door to the roof

AECOM

PROJECT  
項目

DEVELOPMENT OF  
KWU TUNG NORTH AND  
FANLING NORTH  
NEW DEVELOPMENT  
AREAS, PHASE 1

CONTRACT TITLE:

FANLING NORTH NEW  
DEVELOPMENT AREA, PHASE 1:  
REPROVISIONING OF  
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STATUS  
階段

SCALE  
比例  
AS SHOWN

DIMENSION UNIT  
尺寸單位  
MM

KEY PLAN  
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PROJECT NO.  
項目編號  
60335576

CONTRACT NO.  
合約編號  
ND/2019/06

SHEET TITLE  
圖紙名稱  
WHOLESALE MARKET  
SECTIONS

SHEET NUMBER  
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