Wan Chai Development Phase II –

## **Operation Landscape Plan**

## for EP-376/2009

(For the section of landscape mitigation measures under Contract no. HK/2012/08 via FEP 01/376-2009 and FEP 02/376-2009)

Version 1 – May 2021

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### 1. Introduction

- 1.1 Wan Chai Development Phase II Central Wan Chai Bypass at Wan Chai West (Contract No. HK/2012/08) is part of the Central Wan Chai Bypass (CWB) including Road P2 and other roads which are classified as primary/district distributor roads under the Environmental Permit No. EP-376/2009 (hereafter referred to as "the Project").
- 1.2 The Project involves construction and operation of primary and district distributor roads. The location of the Project is shown in Figure 1 appended in Annex I. The concerned extent of the Project under this submission is shown in Annex II.
- 1.3 With respect to the EP-376/2009, the scope of works under Contract No. HK/2012/08 includes:
  - (i) a dual 2-lane primary distributor road, Road P2; and
  - (ii) other new primary and district distributor roads connecting to the slip roads of the Central-Wan Chai Bypass.
- 1.4 Pursuant to Condition 2.11 of Part C of the EP-376/2009, the Permit Holder shall, at least one month before the commencement of corresponding parts of operation landscape works of the Project, deposit with the Director four hard copies and one electronic copy of operation landscape plans.
- 1.5 The purpose of this submission is to submit the operation landscape plan including the design details, locations, implementation programme, maintenance and management schedules, and drawings of the operation landscape and visual mitigation measures of the Project (For the section of landscape mitigation measures under Contract no. HK/2012/08 via FEP 01/376-2009 and FEP 02/376-2009).
- 1.6 CITIC Tower (C14), Fleet Arcade (C15), Grand Hyatt Hotel (C22) and Hong Kong Convention and Exhibition Centre (C24) are identified to be the key Visual Sensitive receivers (VSRs) that will be affected during the construction phase of the Project. C14, C15, C22 and C24 are mapped in Annex III.

### 2. Operation Landscape Plan

2.1 The requirements on landscape and visual mitigation measures during operation phase under the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development Phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) are summarized as below:

ID No.	Landscape and Visual Mitigation Measures	Remark	
OM1	Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Not relevant as no building and structures	
OM2	Shrub and Climbing Plants to soften proposed structures.	Relevant	
OM3	Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Relevant	
OM4	Aesthetic design of proposed waterfront promenade.	Not relevant as no waterfront promenade	
OM5	Aesthetic streetscape design.	Relevant	
OM6	Aesthetic design of roadside amenity areas.	Relevant	

OM2 (Shrub only), OM3, OM5 and OM6 are relevant to this operation landscape plan.

Description	No. of tree carried out under HK/2012/08	No. of tree relevant to this operation landscape plan (within EP-376 Area)
Total number of trees under site area of Contract No. HK/2012/08 transplanted to tree nursery	35 (A) (A=B+C)	Nil
Number of transplanted trees of Contract No. HK/2012/08 transplanted back to site area under Contract No. HK/2012/08	0	Nil
Number of transplanted trees of Contract No. HK/2012/08 transplanted to the Cross Harbour Tunnel Approach Rest Garden at Gloucester Road	25 (B)	Nil
Number of transplanted trees of Contract No. HK/2012/08 felled at tree nursery of Contract No. HK/2012/08	10 (C)	Nil
Number of compensatory trees of Contract No. HK/2012/08 planted to site area under Contract No. HK/2012/08	10 (Compensation for C)	Nil
Number of transplanted trees of Contract No. HK/2009/02 transplanted to site area under Contract No. HK/2012/08	57	36
Number of compensatory trees of Contract No. HK/2009/02 planted to site area under Contract No. HK/2012/08	41	32
Total		68

2.2 Total no. of tree planted under Contract No. HK/2012/08 in EP-376/2009 area are listed below:

N.B. The trees planted under Contract No. HK/2012/08 which are outside the EP-376/2009 area should strictly follow the procedures as set out under Development Bureau Technical Circular TC(W) No. 6/2015 - Maintenance of Vegetation and Hard Landscape Features and Technical Circular (Works) No. 4/2020 – Tree Preservation shall be referred on the applicable measures for operation landscape management and maintenance.

- 2.3 Details of the operation landscape plans (For the section of landscape mitigation measures under Contract no. HK/2012/08 via FEP 01/376-2009 and FEP 02/376-2009), including shrubs and trees are shown in the following drawings appended in **Annex IV**:
  - 60041297/C3/SSK2801 (Rev. A)
  - 60041297/C3/SSK2802 (Rev. A)
  - 60041297/C3/SSK2803 (Rev. A)
  - 60041297/C3/SSK2804 (Rev. A)
  - 60041297/C3/SSK2807 (Rev. A)
  - 60041297/C3/SSK2821

Four hard copies and one electronic copy (in DGN and PDF formats contained in CD-R) of the above drawings are also appended in **Annex IV**.

### 3. Implementation Programme, Maintenance and Management Schedule

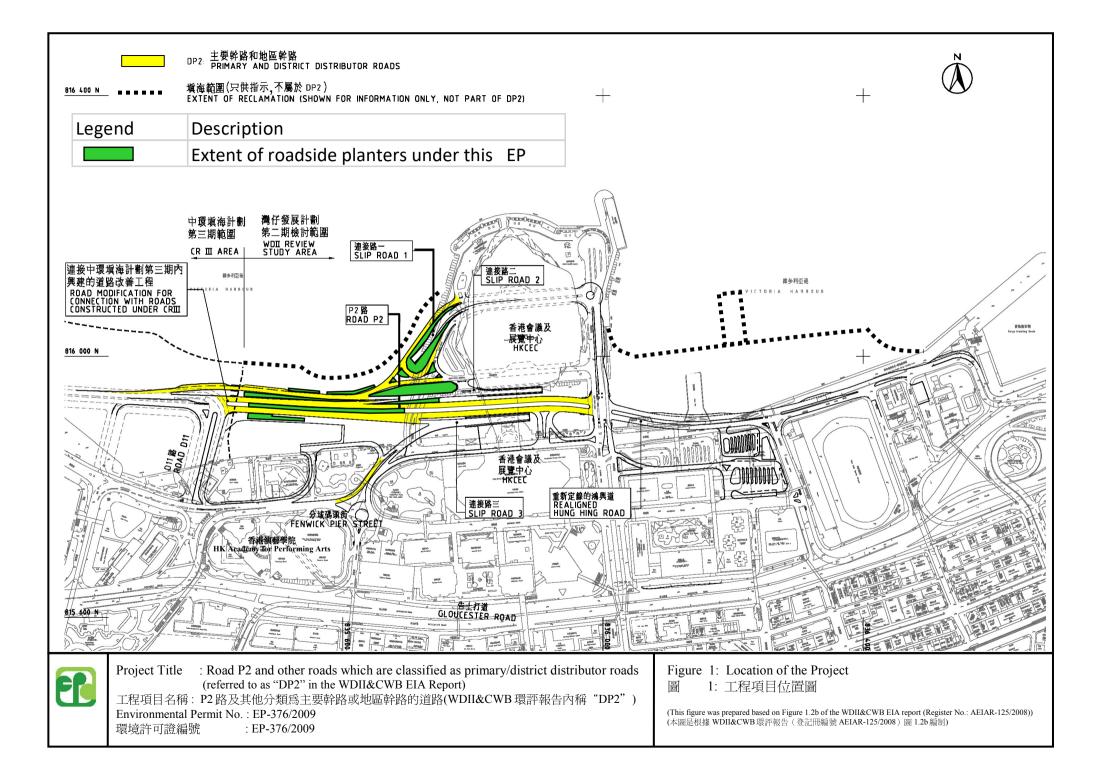
- 3.1 Implementation Programme
- 3.1.1 The operation landscape plans as mentioned in Section 2 was started at early June 2020. Leisure and Cultural Services Department (LCSD) are responsible for maintenance and management of the operation landscape plans.
- 3.2 Maintenance and Management Schedule
- 3.2.1 The maintenance authority has been recommended to maintain regular watering, weeding/site clearance, pruning, fertilizing, pest control if required shall be strictly followed the procedures as set out under Development Bureau Technical Circular TC(W) No. 6/2015 Maintenance of Vegetation and Hard Landscape Features and Technical Circular (W) No. 4/2020 Tree Preservation. Implementation programme, maintenance and management

schedules will be provided by the maintenance authority for consideration separately.

- 3.3 Long Term Operation (5 years)
- 3.3.1 Monitoring of the long-term management of the planting works at the 12-months interval in the period up to 5 years after completion of the construction should be implemented pursuant to Table 8.1 under Section 8.2.1 of Environmental Monitoring and Audit Manual under Environmental Permit No. EP-376/2009. The Maintenance Agency, should report the compliance and The Management Agency should counter-sign of report.

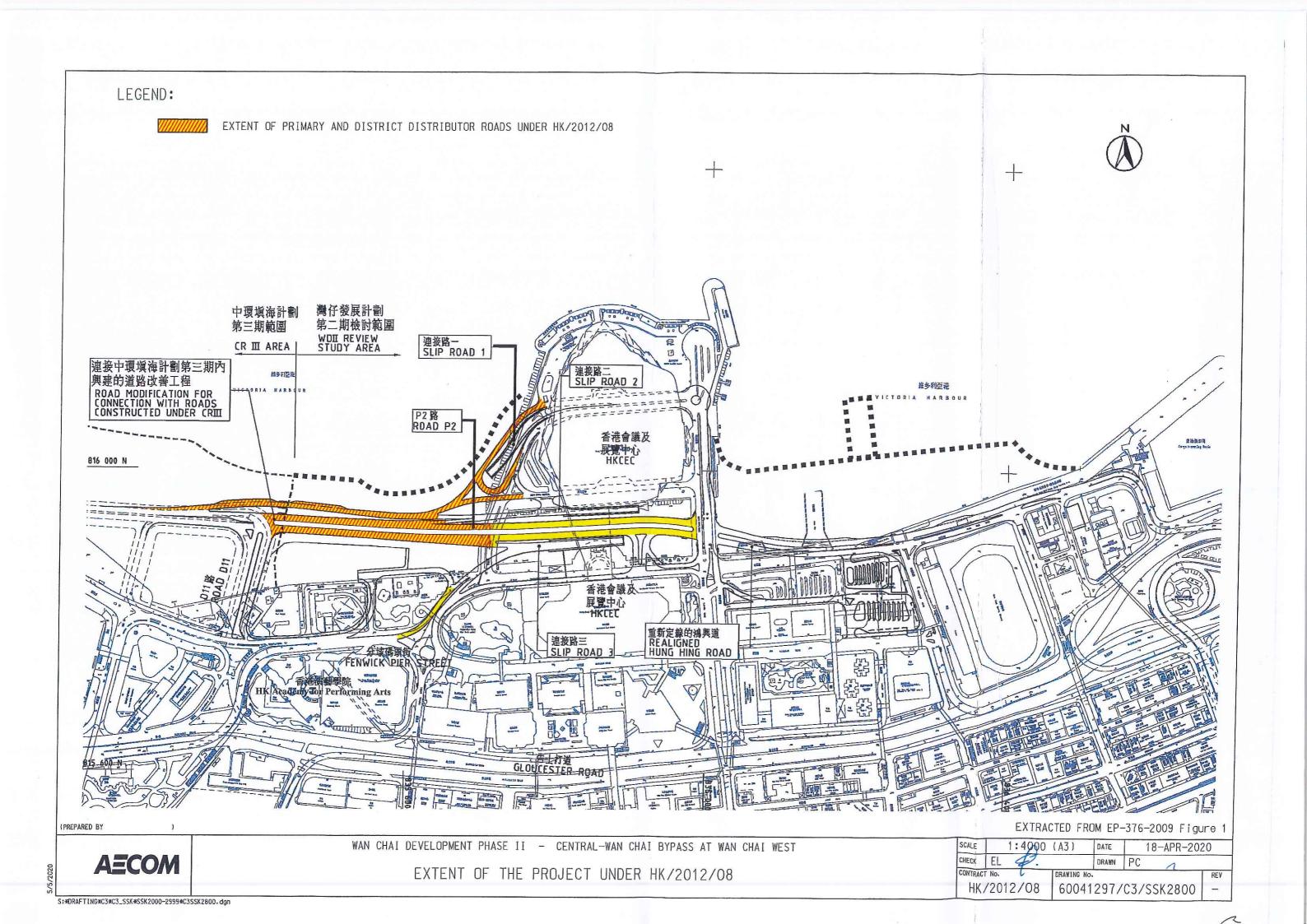
## Annex I

## Location of the Project



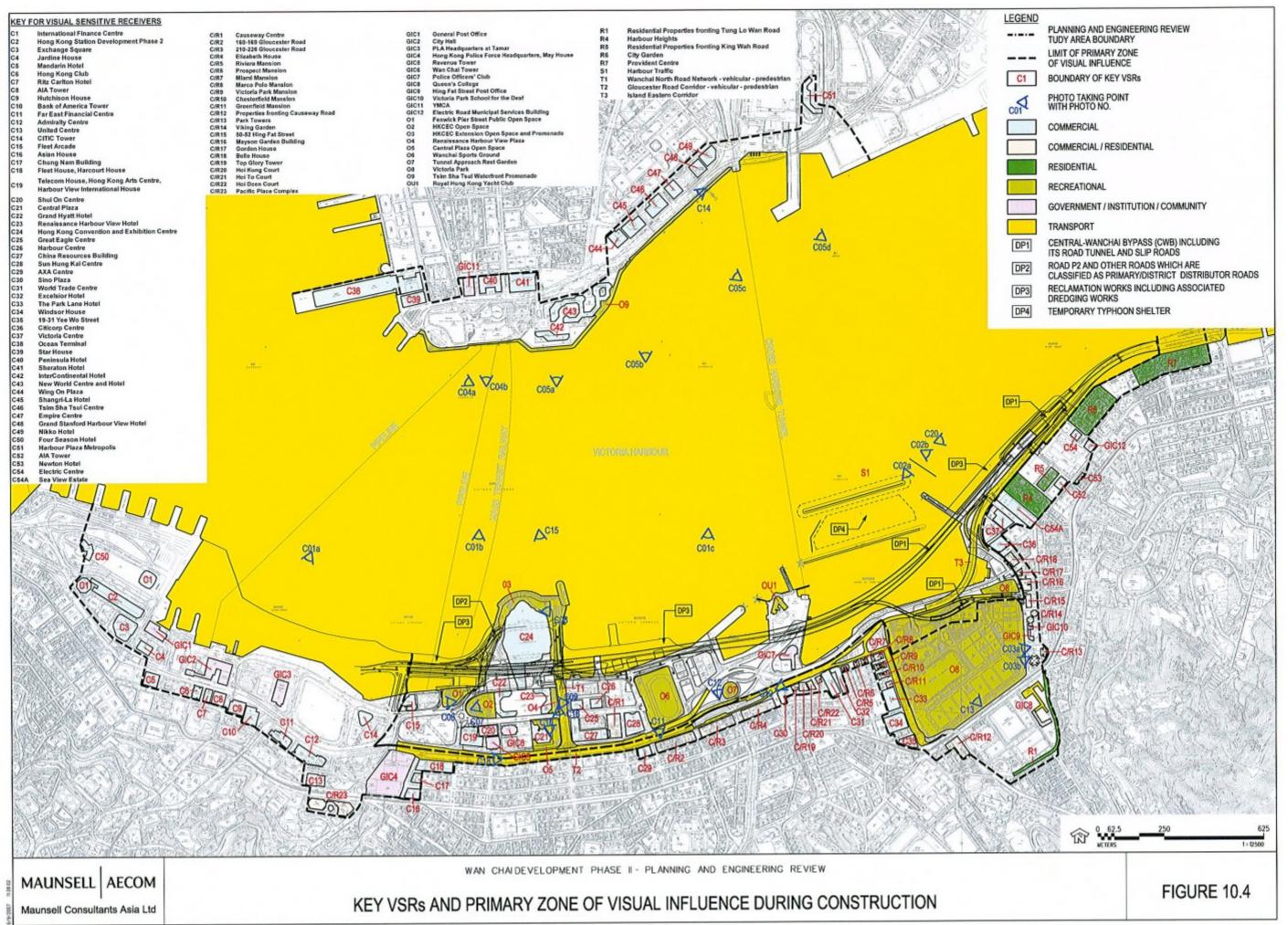
## Annex II

# Extent the Project under the Operation Landscape



## Annex III

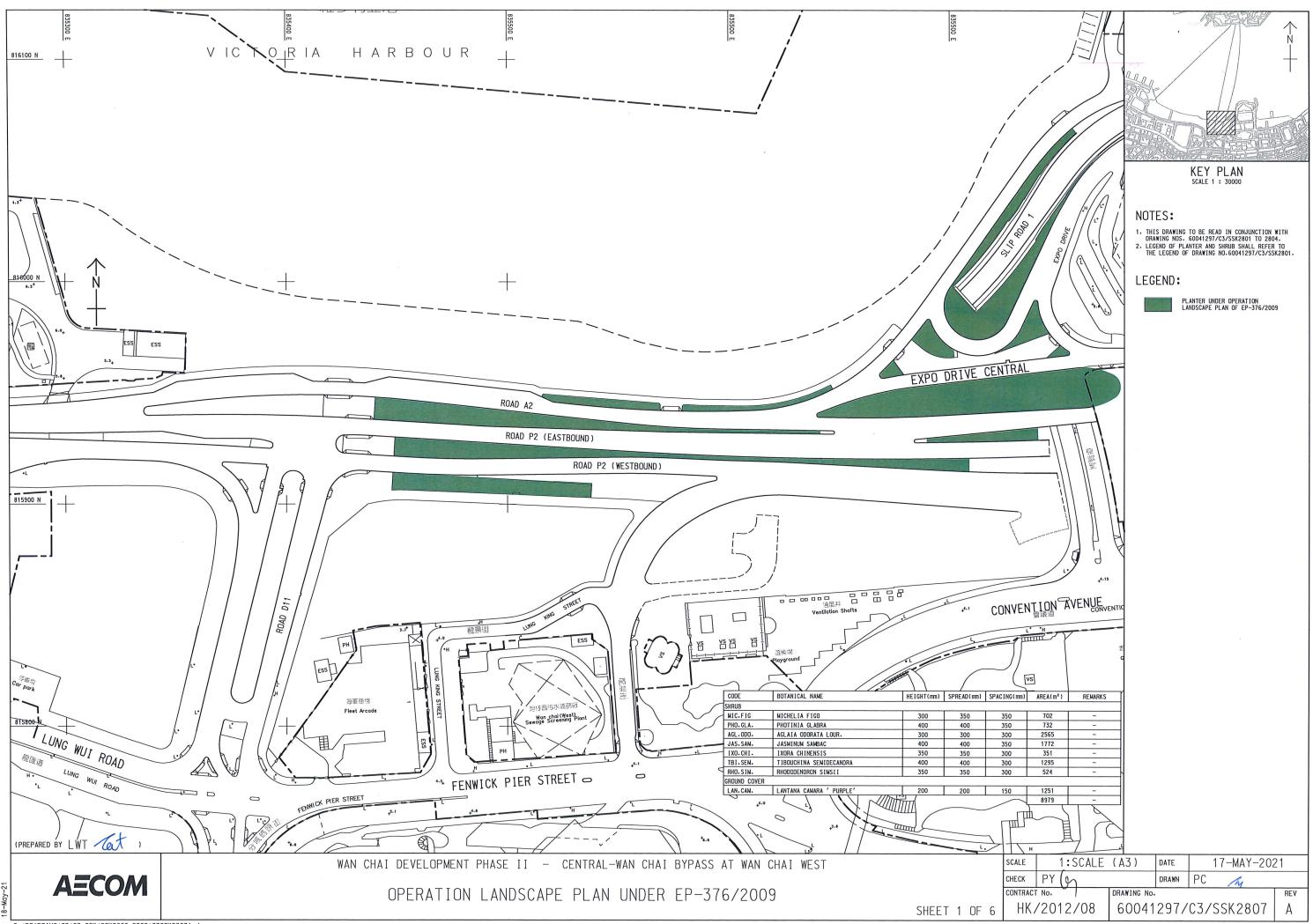
## Location Plan of Visual Sensitive Receivers



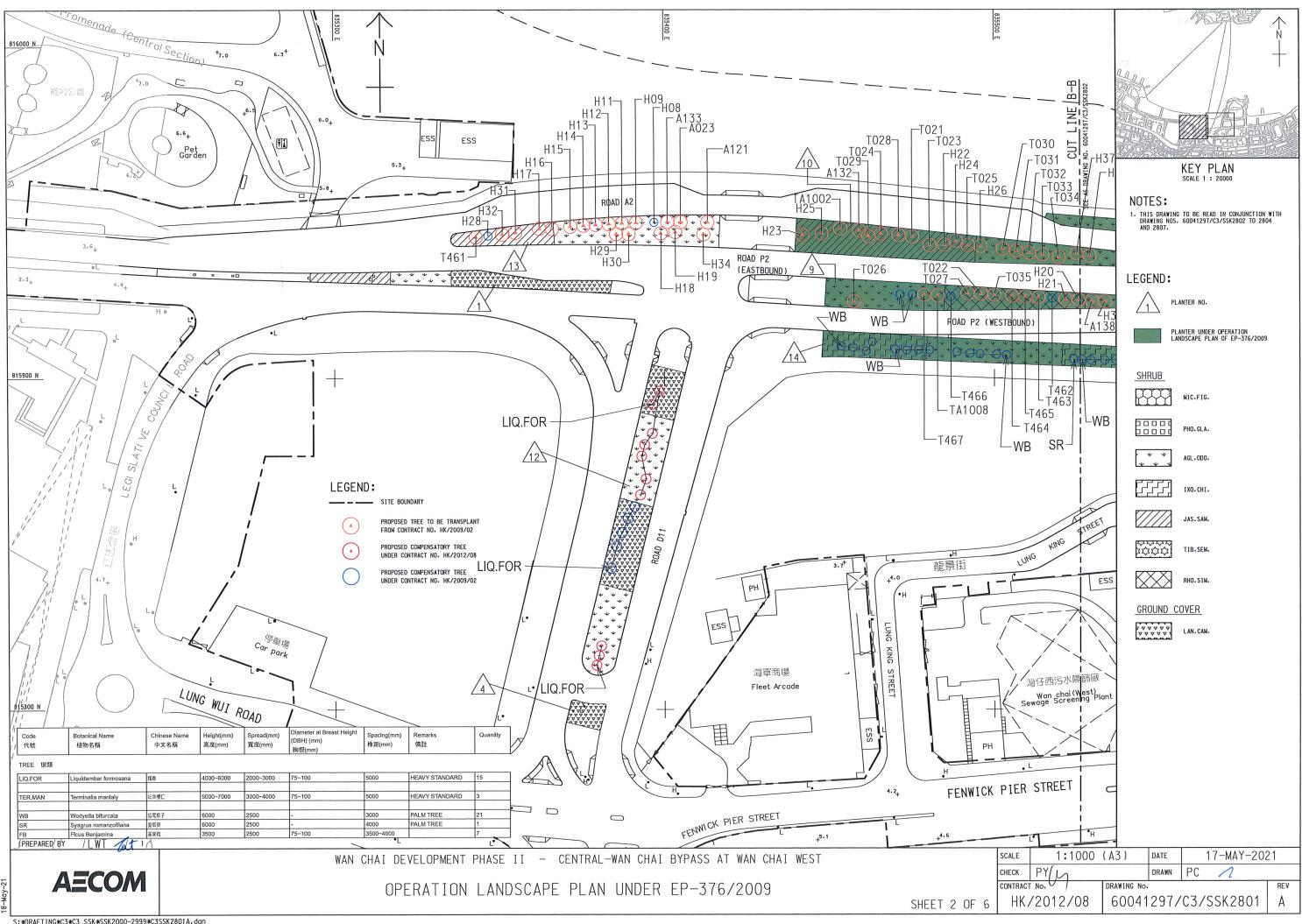
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## Annex IV

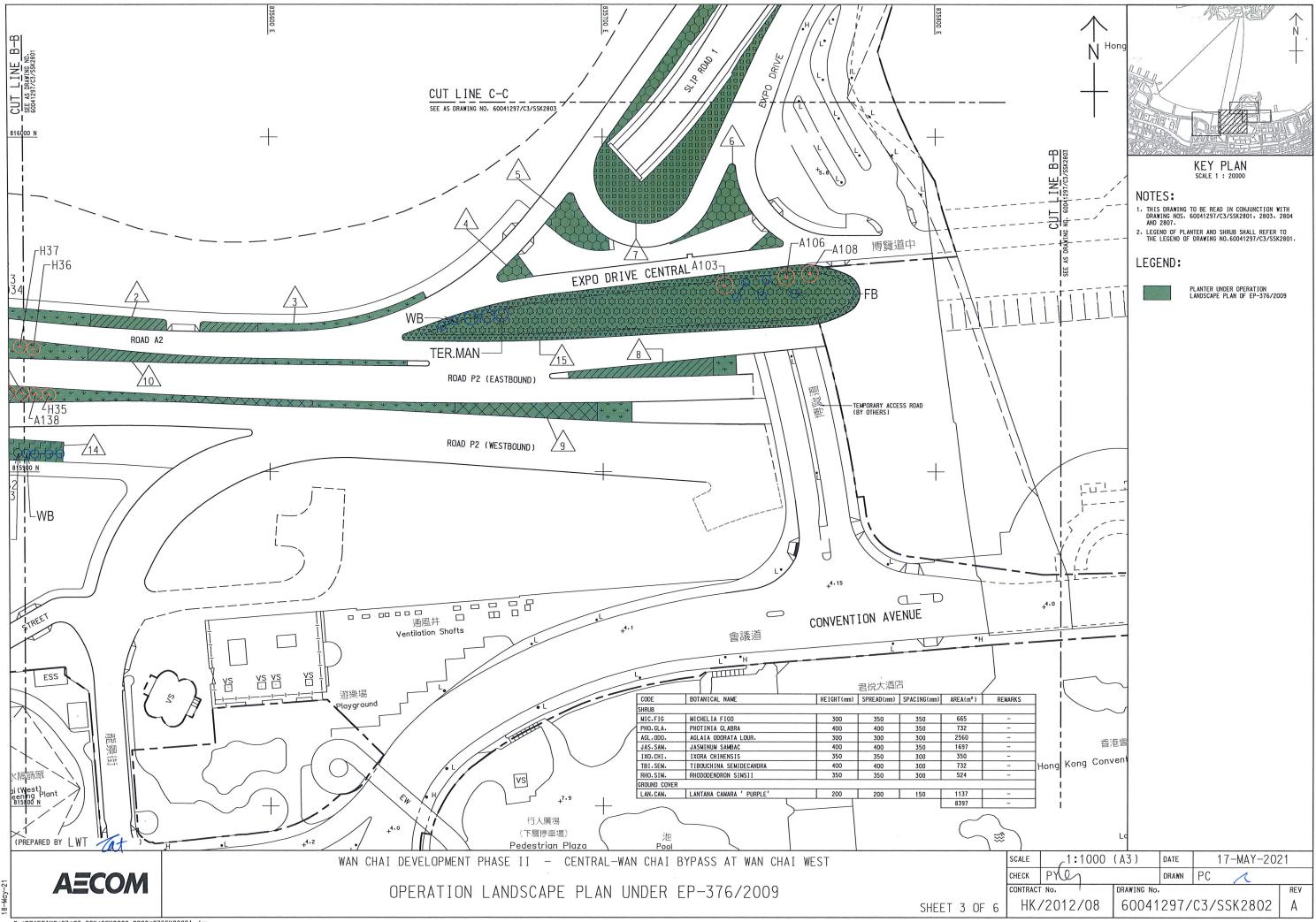
## **Operation Landscape Plan**



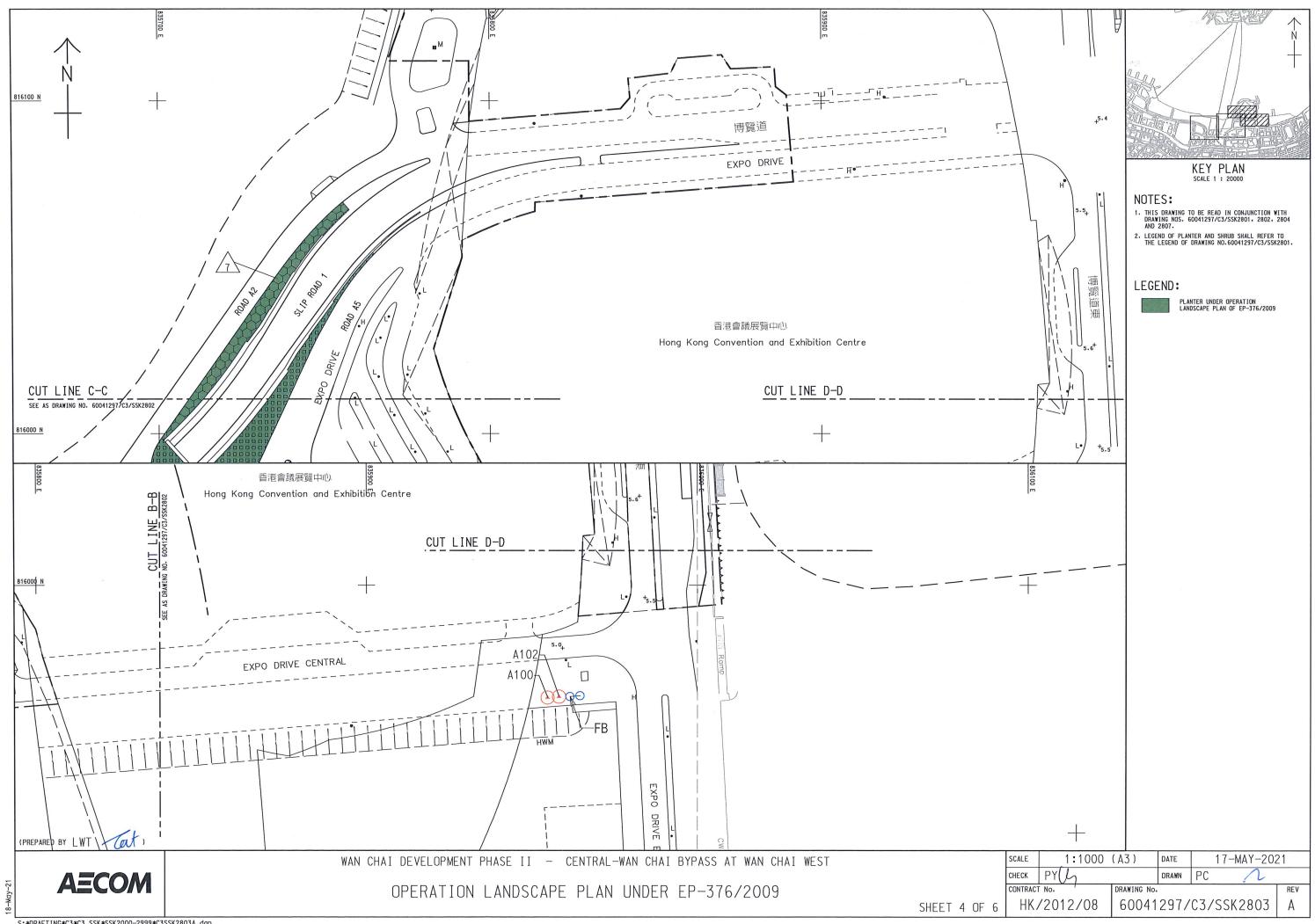
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## NOTES:

24-May-21

## LEGEND:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS, 60041297/C3/SSK2801 TO 2803 AND 2807.

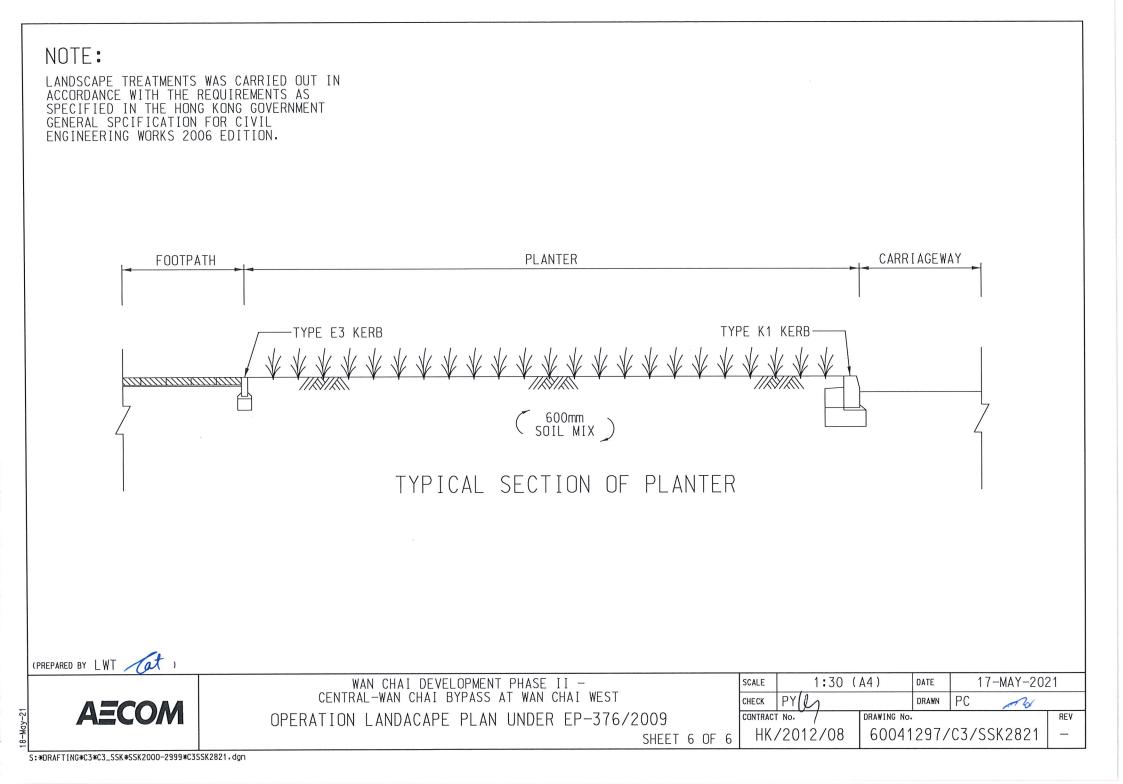


#### TREES UNDER OPERATION LANDSCAPE PLAN OF EP-376/2009

2. LEGEND OF PLANTER AND SHRUB SHALL REFER TO THE LEGEND OF DRAWING NO.60041297/C3/SSK2801.

### TREE SCHEDULE OF TRANSPLANTED TREES:

_		CHEDULE OF IN	TANSFLAI		REES.		7
	TREE ID	Botanical Name 植物名稱	Chinese Name 中文名稱	Height(m) 高度(m)	Spread(m) 寬度(m)	Diameter at Breast Height 胸徑 (DBH) (mm)	
-	A023	Phoenix loureiroi	刺葵	6.0	4.0	375	
	A100	Ficus benjamina	垂葉榕	7.0	3.0	180	
	A102	Ficus benjamina	垂葉榕 垂葉榕	6.0	2.0 3.0	195	
	A103 A106	Ficus benjamina Ficus benjamina	垂葉榕	7.0 8.0	2.0	175	
	A108	Ficus benjamina	垂葉榕	6.0	3.0	170	
	A121	Livistona chinensis	蒲葵	5.0	2.5	240	
	A132 A133	Livistona chinensis Livistona chinensis	· 蒲葵 · · · · · · · · · · · · · · · · · ·	5.0 5.0	2.5 2.5	230 250	
	A138	Livistona chinensis	蒲葵	6.0	2.0	240	
	H08	Roystonea regia	王棕	7.0	3.0	342	
	H09	Roystonea regia	王棕	8.0	2.0	320	
	H11 H12	Roystonea regia Roystonea regia	王棕 王棕	8.0 8.0	2.0 3.0	356 308	
	H13	Roystonea regia	王棕	8.0	2.0	307	
	H14	Roystonea regia	王棕	8.0	2.0	299	
	H15	Roystonea regia	王棕	8.0	3.0	348	
	H16 H17	Roystonea regia Roystonea regia	王棕王棕	8.0 7.0	2.5 2.5	338 342	
	H18	Roystonea regia	王棕	8.0	2.0	312	
	H19	Roystonea regia	王棕	8.0	3.0	245	
	H20	Livistona chinensis	蒲葵	4.0	2.5	185	
	H21 H22	Livistona chinensis Livistona chinensis	蒲葵       蒲葵	6.0 4.0	3.0 2.5	179 202	
	H22 H23	Livistona chinensis	蒲葵	4.0	2.5	187	
	H24	Livistona chinensis	蒲葵	4.0	3.0	240	
	H25	Livistona chinensis	蒲葵	5.0	2.5	190	
	H26	Livistona chinensis	蒲葵	5.0	2.0	167 403	
	H28 H29	Roystonea regia Roystonea regia	王棕王棕	8.0 10.0	3.0	292	
	H30	Roystonea regia	王棕	8.0	2.0	305	
	H31	Roystonea regia	王棕	9.0	2.0	290	
	H32	Roystonea regia	王棕	9.0	2.0	328 308	
	H34 H35	Roystonea regia Roystonea regia	王棕王棕	8.0 8.0	2.5 2.5	200	
	H36	Archontophoenix alexandrae	假檳榔	7.5	2.0	152	
	H37	Archontophoenix alexandrae	假檳榔	7.0	2.5	165	
	T021	Archontophoenix alexandrae	假檳榔	6.0	3.0	134	
	T022 T023	Archontophoenix alexandrae Archontophoenix alexandrae	假檳榔 假檳榔	7.0 7.0	1.0 3.0	180 200	
	T024	Archontophoenix alexandrae	假檳榔	7.0	3.0	172	
	T025	Archontophoenix alexandrae	假檳榔	8.0	2.0	210	
	T026	Archontophoenix alexandrae	假檳榔	7.0	3.0	230	
	T027 T028	Archontophoenix alexandrae Archontophoenix alexandrae	假檳榔 假檳榔	8.0 7.0	2.0 1.0	230 240	
	T020	Archontophoenix alexandrae	假檳榔	7.0	3.0	205	
	T030	Archontophoenix alexandrae	假檳榔	5.0	3.0	153	
	T031	Archontophoenix alexandrae	假檳榔	8.0	2.5	175	
	T032 T033	Archontophoenix alexandrae Archontophoenix alexandrae	假 復 宿 御	7.0 7.0	1.0	131 235	
	T033	Archontophoenix alexandrae	假檳榔	9.0	1.0	233	
	T035	Archontophoenix alexandrae	假檳榔	7.0	2.0	210	
×	T461	Phoenix loureiroi	刺葵	6.0	2.5	350	
	T462 T463	Phoenix loureiroi Phoenix loureiroi	刺葵 刺葵	5.0 5.0	2.5 2.5	573 573	
	T464	Phoenix loureiroi	刺葵	4.0	2.5	478	
	T465	Phoenix loureiroi	刺葵	5.0	2.5	573	
	T466	Phoenix loureiroi	刺葵	5.0	2.5	478	
	T467 TA1002	Phoenix loureiroi Livistona chinensis	刺葵 蒲葵	5.0 9.0	2.5 3.5	478 225	
	TA1002	Elaeis guineensis	油棕	7.0	3.0	475	
REPARED BY LWT							_
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Wan Chai Development Phase II – Landscape Plan for EP-376/2009

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