



# Lam Geotechnics Limited

Ground Investigation & Instrumentation Professionals



華益  
土力  
有限  
公司

Ref : G1938/CS/L027/FEP-02/376/2009  
Date : 7 January 2020

**China State – Build King Joint Venture**  
29/F, China Overseas Buildings,  
139 Hennessey Road,  
Wan Chai,  
Hong Kong

(By Post and Fax: 2140-6799)

**Attn: Site Agent, Mr. George Cheung**

Dear Mr. Cheung,

**Contract No. HK/2012/08**  
**Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai West – Tunnel Works**

**Final Landscape Plan (Rev. 1)**

Referring to the captioned submission received through email on 4 January 2020, we have reviewed your submitted details and hereby certified this submission in accordance with Condition 2.10 of FEP-02/376/2009.

Should you have any enquiry, please feel free to contact the undersigned at 2839 5666.

Yours faithfully,

Raymond Dai  
Environmental Team Leader

c.c	CEDD	Mr. Jimmy Ling	(By fax: 2301-1277)
	AECOM WDII	Ms. Gloria Tang	(By fax: 2587-1877)
	Ramboll	Mr. David Yeung	(By fax: 3465-2899)



**RAMBOLL**

Ref.: AACWBIECEM00\_0\_11907L.20

7 January 2020

China State – Build King Joint Venture  
29/F, China Overseas Building  
139 Hennessey Road  
Wan Chai, Hong Kong

By Post and Fax (2140 6799)

Attention: Mr. George Cheung

Dear Sir,

**Re: Contract No. HK/2012/08  
Wan Chai Development Phase II – Central-Wan Chai Bypass at Wan  
Chai West**


**Final Landscape Plan (Rev. 1)**

Reference is made to your submission of the Final Landscape Plan (Rev. 1 dated 6 January 2020) to us through e-mail on 6 January 2020 for our review and comment.

Please be informed that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 2.10 of FEP-02/376/2009.

Please feel free to contact the undersigned should you have any queries.

Yours faithfully,



David Yeung  
Independent Environmental Checker

c.c. CEDD  
AECOM  
Lam

Mr. Jimmy Ling  
Ms. Gloria Tang  
Mr. Raymond Dai

by fax: 2301 1277  
by fax: 2587 1877  
by fax: 2882 3331

Q:\Projects\AACWBIECEM00\Corr\AACWBIECEM00\_0\_11907L.20.docx



中國建築-利基聯營  
CHINA STATE - BUILD KING JOINT VENTURE

**Wan Chai Development Phase II –  
Central – Wan Chai Bypass at Wan Chai West  
Contract No. HK/2012/08**

**Final Landscape Plan**

**for FEP-02/376/2009**

Revision 1

Revision	Date of Issue	Remarks	Prepared by	Checked by
0	17 Apr 2015	Revised as per ET's comments	James MA	Keith TSE
1	6 Jan 2020	Updated latest tree planting	James MA	George CHEUNG

**This document contains confidential information of China State – Build King Joint Venture and shall not be copied or amended without the approval of the Contractor's Representative**

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## 1 Introduction

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 covered under the Environmental Permit No. EP-376/2009.

China State – Leader Joint Venture was granted on 31 March 2015 a Further Environmental Permit (No. FEP-01/376/2009) for the Contract No. HK/2012/08 under the master Environmental Permit. A Further Environmental Permit (No. FEP-02/376/2009) for the Contract No. HK/2012/08 under the master Environmental Permit was granted to China State – Build King Joint Venture (CSBKJV) on 1 August 2016 upon change of company name from China State – Leader Joint Venture.

The scope of works for Contract No. HK/2012/08 under the FEP-02/376/2009 mainly 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.

The works area under FEP-02/376/2009 is shown in Appendix I.

Under Condition 2.10 of Part C of the FEP-02/376/2009, a landscape plan has to be prepared and deposited by the permit holder to the EPD at least one month before the commencement of corresponding parts of construction landscape works of the Project.

The purpose of this Landscape Plan is to demonstrate the design details, locations, implementation programme, maintenance and management schedules, and drawings of the landscape and visual mitigation measures of the Project so as to reduce the landscape and visual impact during construction stage of the Project.

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

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phase of the Project. C14, C15, C22 and C24 are mapped in Appendix II.

CSBKJV is responsible for implementing a series of “Construction Phase Landscape and Visual Mitigation Measures” as stipulated in the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development Phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) and the approved CRIII EIA Report (Register No.: AEIAR-040/2001).

The requirements on landscape and visual mitigation measures during construction under the EIA reports are summarized as below:

Landscape and Visual Mitigation Measures	Requirements in EIA Report AEIAR-125/2008	Corresponding Sections in This Landscape Plan
Top soil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Table 10.5 CM1	2
Existing trees to be retained on site should be carefully protected during construction.	Table 10.5 CM2	2
Trees unavoidably affected by the works should be transplanted where practical.	Table 10.5 CM3	2
Compensatory tree planting should be provided to compensate for felled trees	Table 10.5 CM4	2
Erection of decorative screen hoarding compatible with the surrounding setting.	Table 10.5 CM6	3
Control of night-time lighting.	Table 10.5 CM5	4

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
OM1	Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.
OM2	Shrub and Climbing Plants to soften proposed structures.
OM3	Buffer Tree and Shrub Planting to screen proposed roads and associated structures.
OM4	Aesthetic design of proposed waterfront promenade.
OM5	Aesthetic streetscape design.
OM6	Aesthetic design of roadside amenity areas.

OM2 (Shrub only), OM3, OM5 and OM6 are relevant to Contract No. HK/2012/08. The tree and shrub planting plans, the tree assessment schedule for transplanted trees to EP-376 area under Contract No. HK/2009/02 and the tree schedule for felled trees at tree nursery are shown in Appendix III.

## 2 Landscape Works

The landscape works regarding tree planting are implemented under FEP-02/376/2009. The tree planting works are implemented according to the drawing in Appendix III and the landscape photos are shown in Appendix III.

Below is the Table which shows the latest tree status:

Description	No. of trees
Total number of transplanted trees to tree nursery site under FEP-12/364/2009/D by Contract No. HK/2012/08	35
Number of transplanted trees to EP-376 Area by Contract No. HK/2012/08	0
Number of transplanted trees to the Cross Harbour Tunnel Approach Rest Garden at Gloucester Road by Contract No. HK/2012/08	25
Number of felled trees at tree nursery site of Contract No. HK/2012/08	10
Number of compensatory trees to EP-376 Area under Contract No. HK/2012/08	10
Number of transplanted trees to EP-376 Area under Contract No. HK/2009/02	57
Number of compensatory trees to EP-376 Area under Contract No. HK/2009/02	41

Remark: The details of transplanted trees to other location by Contract No. HK/2012/08 shall refer to the Final Landscape Plan for FEP-12/364/2009/D.

## 3 Erection of Decorative Screen Hoarding (Completed)

### (I) Sources of Landscape Impact

Sources of impact during the construction phase would include:

- Road P2 construction;
- At-grade road formation and earthworks;
- Resurfacing;
- Roads for temporary traffic diversion.

### (II) Location, Design and Fixing Details of Hoarding

The location plan of the decorative screen hoarding for WDII under the Project is shown in Appendix V and the graphic panels for decorative

screen hoarding and its fixing details are shown in Appendix VI. The hoarding arrangement will be subject to change as works progress.

#### **4 Control of Night-time Lighting (Completed)**

The Night-time Lighting mentioned in Section 4 has made reference to the Guidelines on Industry Best Practices for External Lighting Installations issued by the Environment Bureau dated January 2012.

##### **(I) Sources of Impact**

Sources of impact in the night-time construction phase would include:

- Road P2 construction;
- At-grade road formation and earthworks;
- Resurfacing;
- Roads for temporary traffic diversion.

##### **(II) Control Measures**

- Any night-time work that needs to be conducted will be carefully planned to minimize the amount of external lighting that would be required;
  - The use of equipment headlights / lighting will be first evaluated to determine sufficiency based on the task and to minimize the use of portable lighting devices;
  - External lighting from plant and equipment will be switched off when not needed or after night-time works;
  - Only essential lighting (e.g. lighting for safety and security) will be maintained at the acceptable level as required;
  - Over-illumination of works areas will be avoided to minimize the possibility of light pollution;
  - The lighting will be positioned and aimed to avoid overspill of light to outside the works areas being lit up
  - External lighting from plant and equipment will be appropriately positioned, aimed or shielded so that illumination of nearby roads, if any, will not be adversely affected;
  - Lighting will be directed towards work areas and away from neighboring properties;
  - Proper siting of construction activities on the layout can reduce a potential lighting nuisance;
  - Lighting will be switched off when it is not operationally required or
-

dimmed down when a high illumination level is not essential;

- In the event that the portable lighting devices be used, they will be orientated away from visual sensitive areas and used sparingly when required. The masts of the lighting will be kept at distances that would minimize the nuisance of light to the neighbouring community, while still providing a safe working environment for workers involved in the task; and
- Use of vegetative and landscape buffers and other site and project elements will be adopted.

## 5 Implementation Programme, Maintenance and Management Schedule (Completed)

### (I) Implementation Programme

Item	Mitigation Measures	Location / Timing
Landscape Works	Landscape works regarding tree planting and shrub planting are implemented according to the drawings in Appendix III.	
Decorative Screen Hoarding	Erection of Decorative Screen Hoarding	Entire Works Areas and Throughout Construction Period
Night-time Lighting	Control of Night-time Lighting	Entire Works Areas and Throughout Construction Period

### (II) Maintenance and Management Schedule

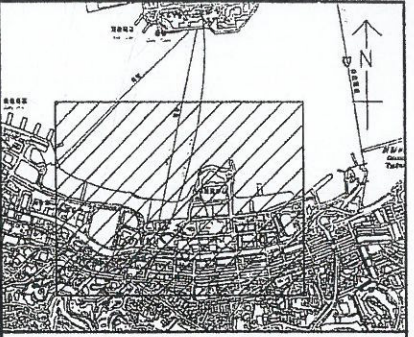
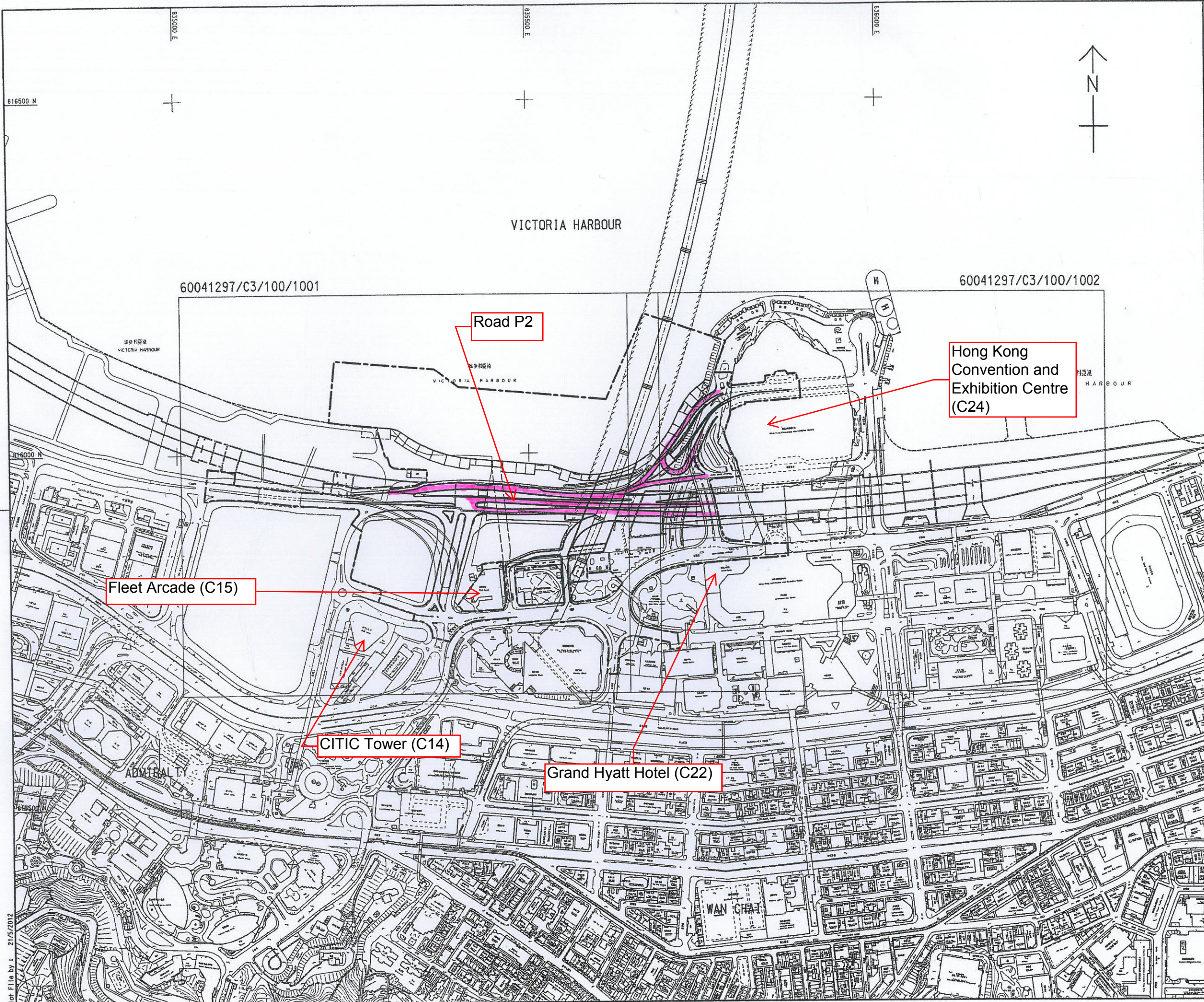
Item	Maintenance and Management Schedule
Landscape Works	Maintenance works for tree planting and shrub planting are implemented on a regular basis according to the horticultural year plan in Appendix IV.
Decorative Screen Hoarding	<ul style="list-style-type: none"> <li>• Daily cleaning will be carried out to prevent accumulation of debris along the site boundary area and weekly inspection will be carried out to maintain the apparent quality of the decorative screen hoarding; and</li> <li>• If any damage is identified, repairing works will be carried out as soon as possible for the affected decorative screen hoarding panels.</li> </ul>
Night-time Lighting	<ul style="list-style-type: none"> <li>• Designated site personnel will monitor the lighting impact during night-time construction work; and</li> </ul>

Item	Maintenance and Management Schedule
	<ul style="list-style-type: none"><li data-bbox="456 297 1361 436">• Lighting devices will be repositioned, redirected, lowered or shielded immediately if any public concern or complaint is received.</li></ul>

## Appendix I

Layout Plan for Works Area under FEP-02/376/2009





KEY PLAN  
SCALE 1 : 25000

LEGEND:  
--- SITE BOUNDARY

Project Works Area under FEP-02/376/2009

WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT WAN CHAI WEST

Project Works Area

DRG. NO. 圖紙編號		Figure 1A	
DESIGNED BY 設計	ST	CONTRACT NO. 合約編號	HK/2012/08
DRAWN BY 繪圖	TS	APPROVED BY 審核	TKH
SCALE 比例	A1 1:2500	STATUS 狀態	
DIMENSIONS ARE IN 尺寸單位	METRES	© COPYRIGHT RESERVED 版權所有	

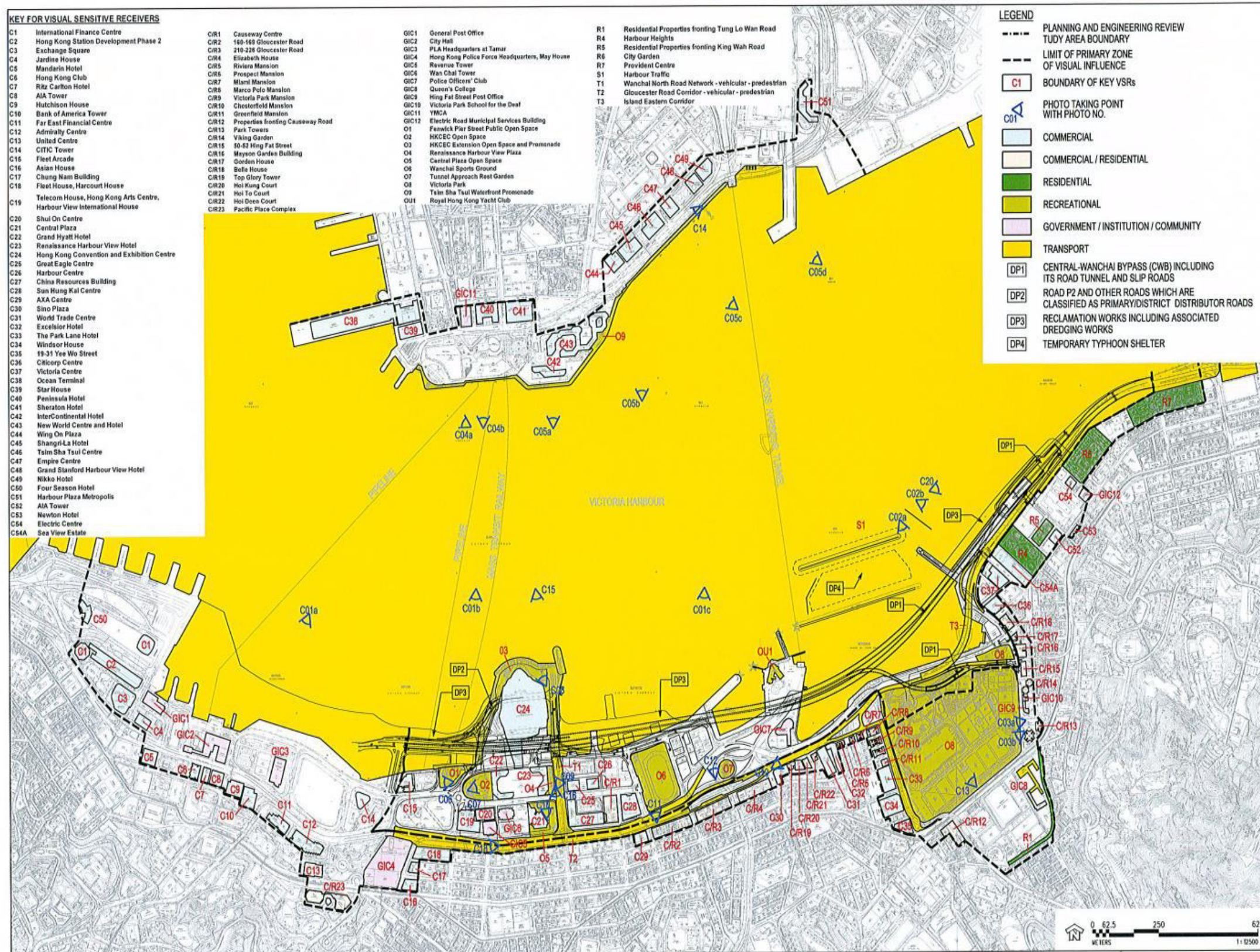
Plot File by : 21/5/2012



## Appendix II

### Location Plan of Visual Sensitive Receivers





WAN CHAI DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW  
 KEY VSRs AND PRIMARY ZONE OF VISUAL INFLUENCE DURING CONSTRUCTION

FIGURE 10.4

04/2/2007 11:28:03

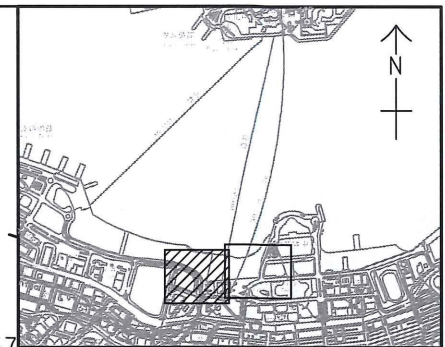
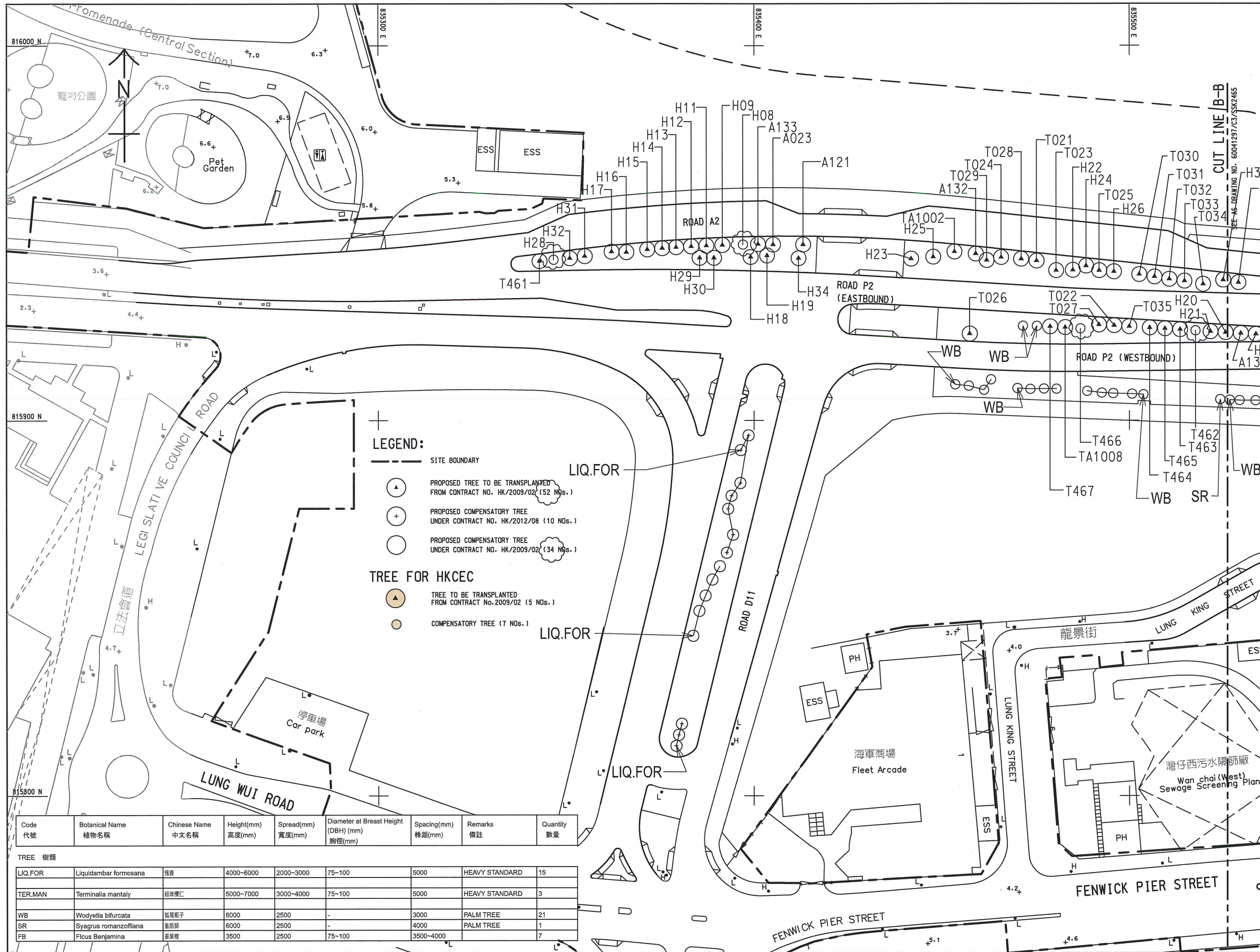
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### Appendix III

Layout Plans for Tree Planting and Shrub Planting, Tree Assessment Schedule for  
Transplanted Trees to EP-376 Area under Contract No. HK/2009/02 and Tree  
Schedule for Felled Trees at Tree Nursery

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**KEY PLAN**  
SCALE 1 : 20000

- NOTES:**
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60041297/C3/SSK2465 & 2466.
  - GROUND PREPARATION: GROUND PREPARATION SHALL BE CARRIED OUT TO ALL PLANTING AREAS AS SPECIFIED.
  - SOILING: ALL PLANTING AREAS SHALL RECEIVE SOIL MIX AS SPECIFIED IN PARTICULAR SPECIFICATION OF THE CONTRACT.
  - PLANTING PATTERN: ALL PLANTS ARE TO BE PLANTED IN STAGGERED PATTERN AT SPACING INDICATED IN THE SCHEDULE. ALL ACCENT PLANTS SHALL BE GROUPED AT THE FRONT OF PLANTING AREAS.
  - ALL TREES SHALL BE PLANTED AT LEAST 2M AWAY FROM ROAD KERB TO AVOID BLOCKAGE OF SIGHTLINE OF ROAD USERS.
  - ALL TREES SHALL BE PLANTED AT LEAST 2M AWAY FROM ADJACENT PRIVATE LOTS' BOUNDARIES.
  - TREE PLANTING: LOCATION OF TREES AND SPACING SHOWN ON DRAWINGS IS INDICATIVE. THE CONTRACTOR SHALL AVOID UNDERGROUND UTILITIES WHEN PLANTING.
  - MULCHING: ALL PLANTING AREAS SHALL RECEIVE MULCH TO A DEPTH OF 75MM. FINISH LEVEL OF MULCH SHALL BE 25MM BELOW ADJACENT FINISHED SURFACES.
  - WATER POINTS: LOCATIONS OF WATER POINTS SHOWN ON DRAWINGS ARE INDICATIVE. EXACT LOCATIONS TO BE DETERMINED ON SITE.
  - ESTABLISHMENT WORKS: ALL PLANTED MATERIALS SHALL BE MAINTAINED AFTER PLANTED FOR A PERIOD AS SPECIFIED IN THE CONTRACT DOCUMENTS.
  - UNDERGROUND UTILITIES: NO TREES SHALL BE PLANTED AS FAR AS PRACTICAL WITHIN 1M OF DRAINAGE U-CHANNELS, OR ANY KINDS OF PIPES/ DUCTINGS. THERE SHALL BE NO PLANTING WITHIN 1.5M AROUND THE COVER OF ALL VALVES, OR 1M FROM HYDRANT OUTLETS.
  - IF ANY OF THE PROPOSED TREES, ARE FALLEN WITHIN THE RESTRICTED ZONE AS DESCRIBED IN NOTE 11, ROOT BARRIERS SHALL BE PROVIDED AS PART OF THE TREE PLANTING COST FOR EVERY INDIVIDUAL TREES, AS PER Hyd STANDARD DRAWING NOS. H5138 TO H5141 AND THE CONTRACTOR SHALL PROVIDE AND PROPOSE THE DETAILS FOR EACH INDIVIDUAL CONDITIONS DETAILS OF ROOT BARRIERS FOR THE APPROVAL OF THE ENGINEER.
  - THE EXACT FINAL TRANSPLANTED TREE LOCATIONS AND SETTING OUTS SHALL BE DETERMINED ON SITE.
  - SOIL MIX AND SOIL CONDITIONER: SOIL MIX SHALL CONSIST OF FRIABLE COMPLETELY DECOMPOSED GRANITE AND SOIL CONDITIONER IN THE PROPORTION AS 3:1 BY VOLUME AND SHALL BE FREE TO DELETERIOUS MATERIALS AS SPECIFIED IN G.S. CLAUSE 3.30 SOIL MIX AND G.S. CLAUSE 3.31 FOR SOIL CONDITIONER.
  - STAKING: BAMBOO STAKES SHALL BE USED FOR ALL TREES EXCEPT WHIPS AS SPECIFIED IN G.S. 3.36. TREE TRUNKS SHALL BE PROTECTED BY USING RUBBER HOUSE PROTECTIVE SLEEVING OR SIMILAR, AND SHALL BE LOOSENED TWICE A YEAR.
  - WATER: THE CONTRACTOR SHALL PROVIDE ADEQUATE WATERING TO ALL PLANTED AREAS AS SPECIFIED IN G.S. 3.84 WATERING
  - PLANTING AREA:
    - ALL TREE PLANTING AREAS ARE BACKFILLED WITH 1.2M COMPACTED DEPTH OF SOIL MIX.
    - ALL EDGES OF PLANTING AREA AT ROADWAYS ARE GRANITE CURBS IN ACCORDANCE WITH DETAILS.
    - ALL EDGES OF PLANTING AREA ADJACENT TO PATHWAY ARE 40MM BELOW ADJACENT PAVEMENT AND IN ACCORDANCE WITH THE DETAILS.
    - ALL SOIL LEVELS ARE SURVEYED AND VERIFIED PRIOR TO COMMENCEMENT OF PLANTING. ALL PLANTING WORK ARE DIRECTED ON SITE BY THE ENGINEER.
    - ALL FINAL TREE LOCATIONS ARE SUBJECT TO FIELD ART DIRECTION BY THE ENGINEER.
    - ALL TREES ARE STAKED/GUYED ACCORDING TO THE SPECIFICATION AND DETAILS.
    - ROOT BARRIERS ARE INSTALLED FOR ALL TREE PLANTING AREAS ADJUTING THE UTILITY CORRIDOR.

- LEGEND:**
- SITE BOUNDARY
  - ⊕ PROPOSED TREE TO BE TRANSPLANTED FROM CONTRACT NO. HK/2009/02 (52 Nos.)
  - ⊕ PROPOSED COMPENSATORY TREE UNDER CONTRACT NO. HK/2012/08 (10 Nos.)
  - PROPOSED COMPENSATORY TREE UNDER CONTRACT NO. HK/2009/02 (34 Nos.)
- TREE FOR HKCEC**
- ⊕ TREE TO BE TRANSPLANTED FROM CONTRACT No.2009/02 (5 Nos.)
  - COMPENSATORY TREE (7 Nos.)

Code 代號	Botanical Name 植物名稱	Chinese Name 中文名稱	Height(mm) 高度(mm)	Spread(mm) 寬度(mm)	Diameter at Breast Height (DBH) (mm) 胸徑(mm)	Spacing(mm) 株距(mm)	Remarks 備註	Quantity 數量
LIQ.FOR	Liquidambar formosana	槲寄生	4000-6000	2000-3000	75-100	5000	HEAVY STANDARD	15
TER.MAN	Terminalia mantaly	絳紫藤	5000-7000	3000-4000	75-100	5000	HEAVY STANDARD	3
WB	Wodyetia bifurcata	狐尾椰子	6000	2500	-	3000	PALM TREE	21
SR	Syagrus romanzoffiana	皇后葵	6000	2500	-	4000	PALM TREE	1
FB	Ficus Benjamina	垂葉榕	3500	2500	75-100	3500-4000		7

WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS AT WAN CHAI WEST

TREE PLANTING WORKS

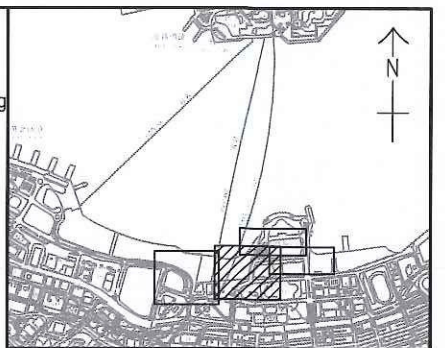
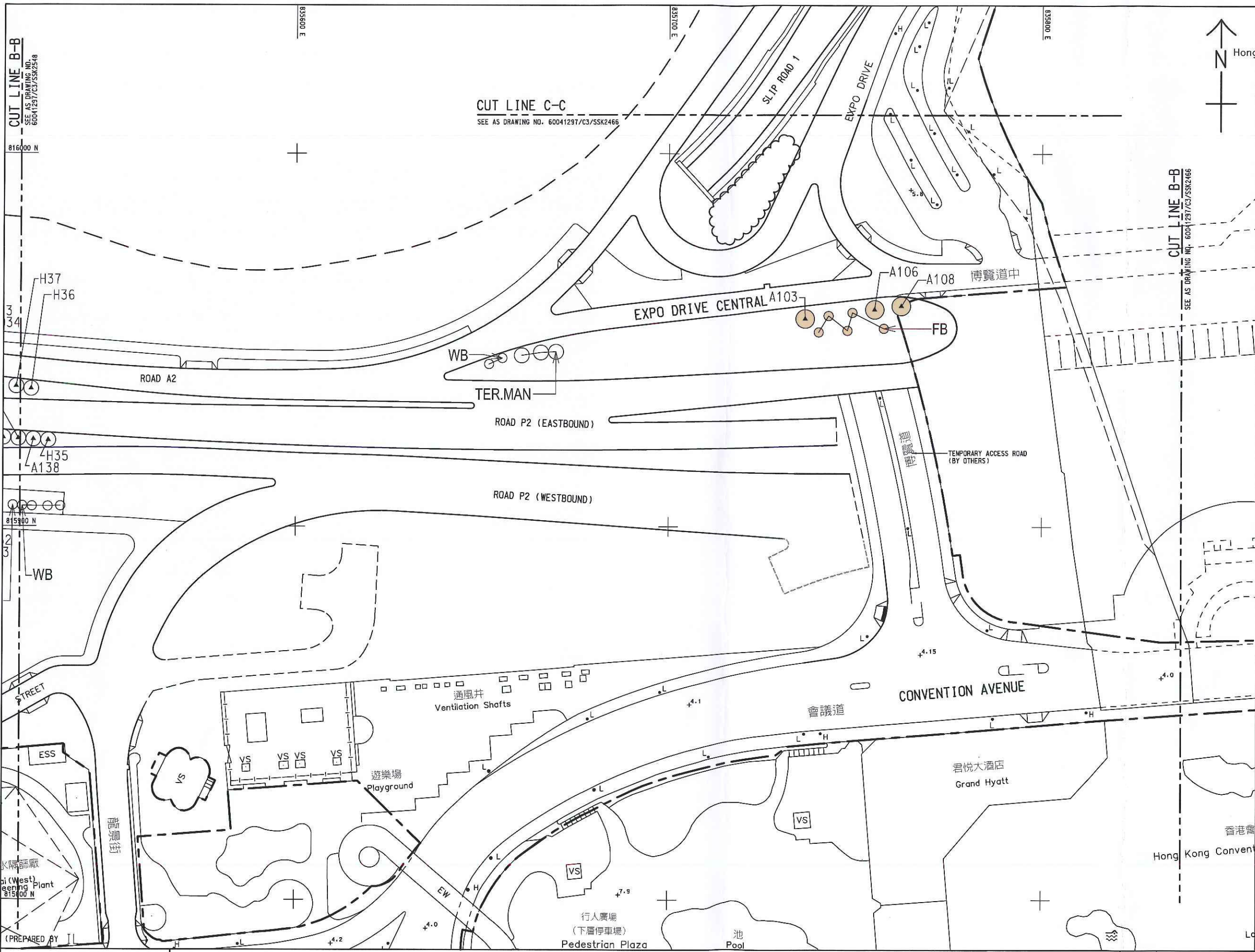
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		REV	D



30/12/2019





KEY PLAN  
SCALE 1 : 20000

- NOTES:
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60041297/C3/SSK2548 AND 2466.
  2. FOR LEGEND, REFER TO DRAWING NO. 60041297/C3/SSK2548.

CUT LINE B-B  
SEE AS DRAWING NO. 60041297/C3/SSK2548

CUT LINE C-C  
SEE AS DRAWING NO. 60041297/C3/SSK2466

CUT LINE B-B  
SEE AS DRAWING NO. 60041297/C3/SSK2466

(PREPARED BY IL)

EXTRACTED FROM DRG. NO. 60041297/C3/100/1621

WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS AT WAN CHAI WEST

TREE PLANTING WORKS

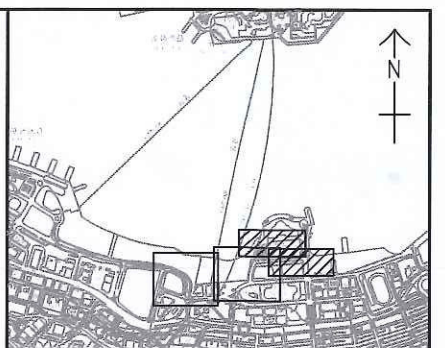
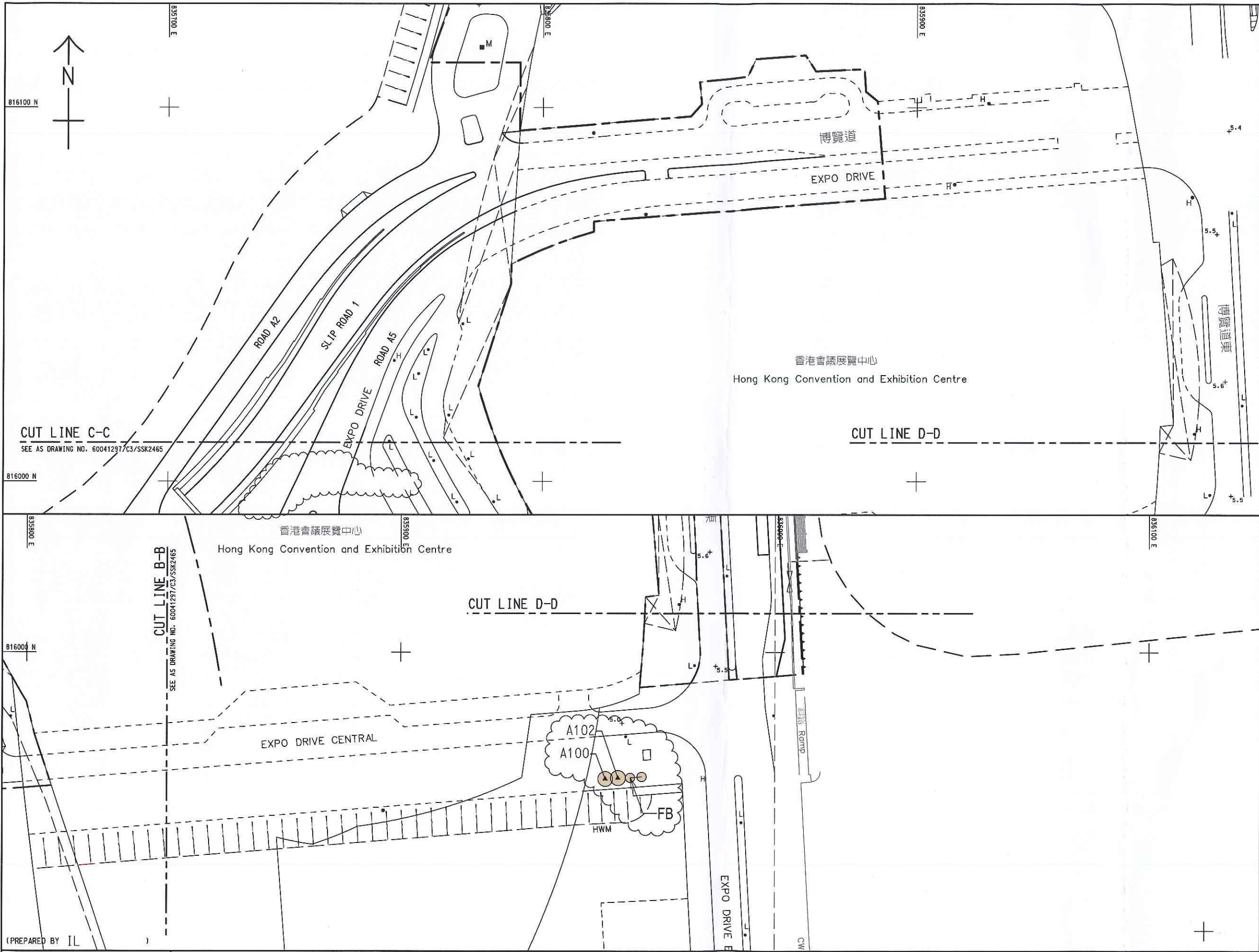
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		REV	B

25/10/2019





KEY PLAN  
SCALE 1 : 20000

- NOTES:
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60041297/C3/SSK2548 & 2465.
  2. FOR LEGEND, REFER TO DRAWING NO. 60041297/C3/SSK2548.

CUT LINE C-C  
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CUT LINE D-D

CUT LINE B-B  
SEE AS DRAWING NO. 60041297/C3/SSK2465

CUT LINE D-D

(PREPARED BY IL )

EXTRACTED FROM DRG.  
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WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS AT WAN CHAI WEST

TREE PLANTING WORKS

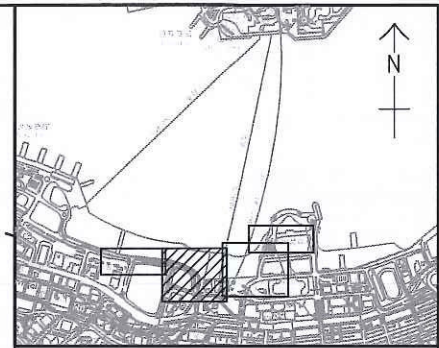
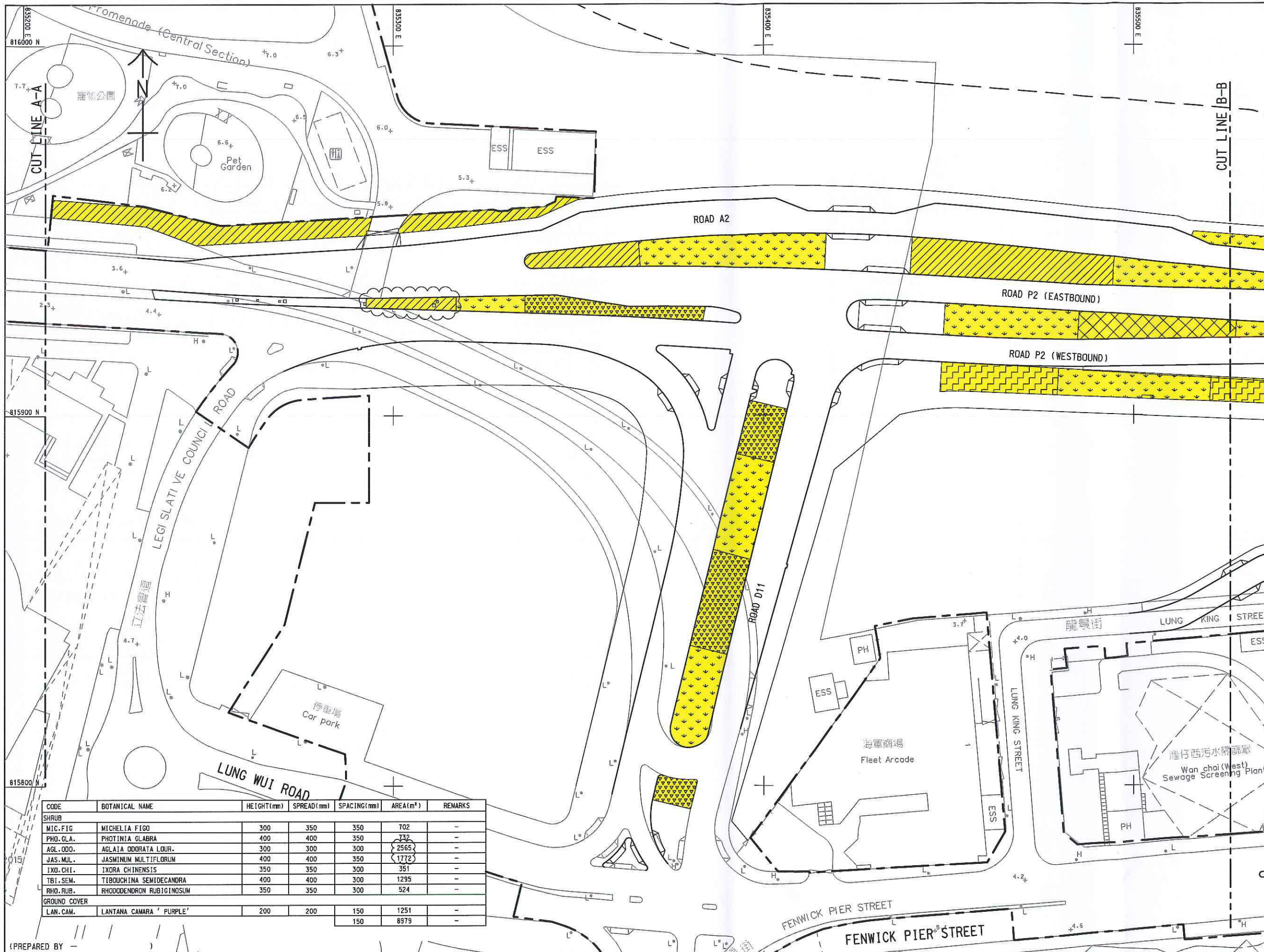


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SHEET 3 OF 3

25/10/2019





KEY PLAN  
SCALE 1 : 20000

- LEGEND:**
- SITE BOUNDARY
  - SHRUB**
  - [Hexagon pattern] MIC.FIG.
  - [Square pattern] PHO.GLA.
  - [Arrow pattern] AGL.ODO.
  - [Zigzag pattern] IXO.CHI.
  - [Diagonal lines] JAS.MUL.
  - [Star pattern] TIB.SEM.
  - [Cross-hatch pattern] RHO.RUB.
  - GROUND COVER**
  - [Triangle pattern] LAN.CAM.

CODE	BOTANICAL NAME	HEIGHT(mm)	SPREAD(mm)	SPACING(mm)	AREA(m <sup>2</sup> )	REMARKS
<b>SHRUB</b>						
MIC.FIG.	MICHELIA FIGO	300	350	350	702	-
PHO.GLA.	PHOTINIA GLABRA	400	400	350	732	-
AGL.ODO.	AGLAIA ODRATA LOUR.	300	300	300	2565	-
JAS.MUL.	JASMINUM MULTIFLORUM	400	400	350	1772	-
IXO.CHI.	IXORA CHINENSIS	350	350	300	351	-
TIB.SEM.	TIBOUCHINA SEMIDECANDRA	400	400	300	1295	-
RHO.RUB.	RHOODENDRON RUBIGINOSUM	350	350	300	524	-
<b>GROUND COVER</b>						
LAN.CAM.	LANTANA CAMARA 'PURPLE'	200	200	150	1251	-
				150	8979	-

(PREPARED BY -)

WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS AT WAN CHAI WEST

SHRUBS PLANTING PLAN

EXTRACTED FROM DRG. NO. 60041297/C3/100/1610

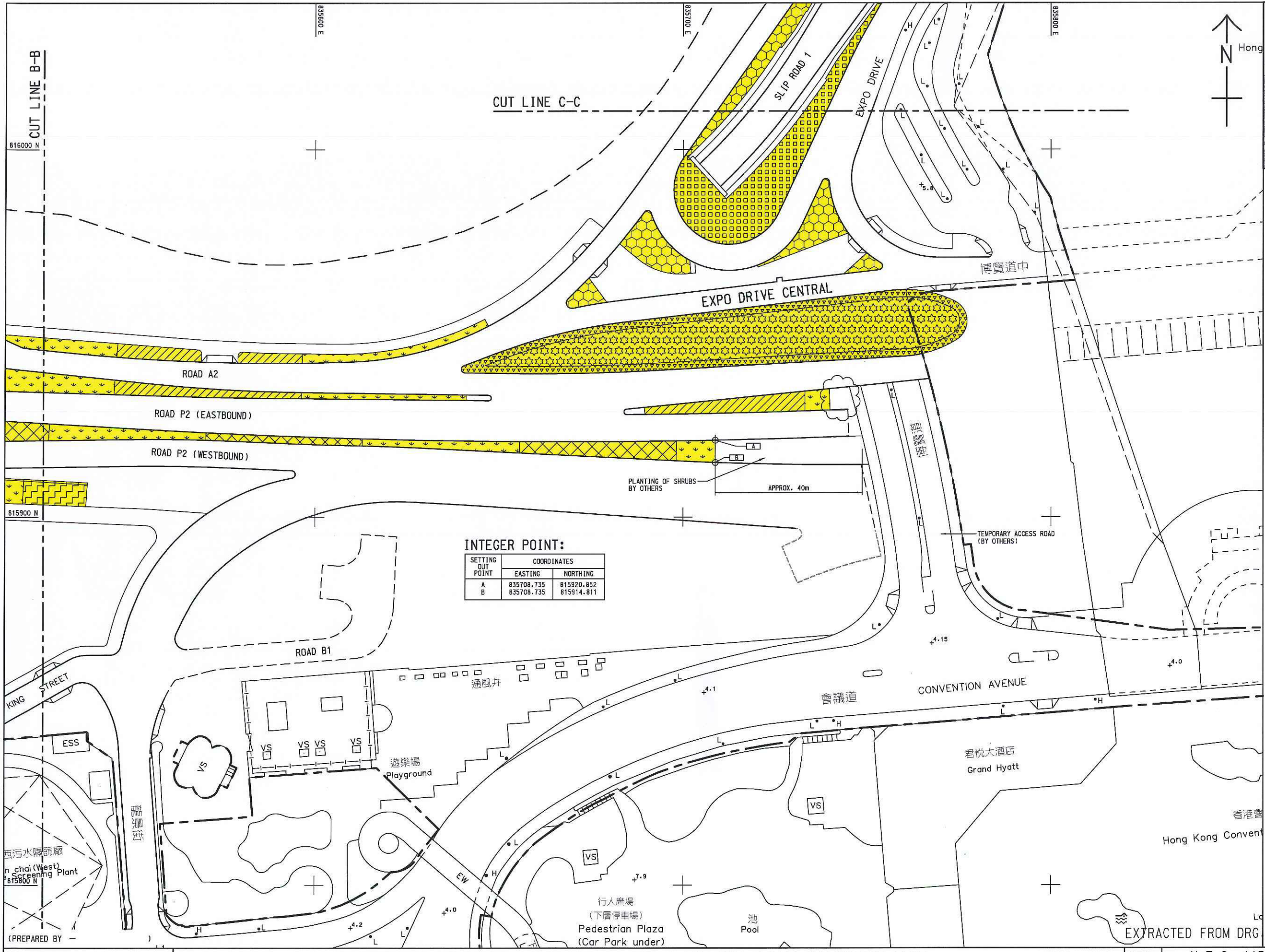
25/10/2019



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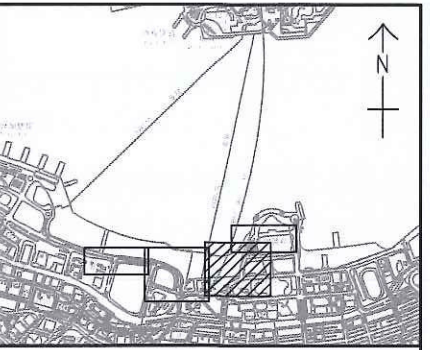
SHEET 1 OF 3





**INTEGER POINT:**

SETTING OUT POINT	COORDINATES	
	EASTING	NORTHING
A	835708.735	815920.852
B	835708.735	815914.811



**KEY PLAN**  
SCALE 1 : 20000

**NOTES:**  
1. THE LEGEND TO BE READ IN CONJUNCTION WITH DRAWING NO. 60041297/C3/SSK1165C.

WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS AT WAN CHAI WEST

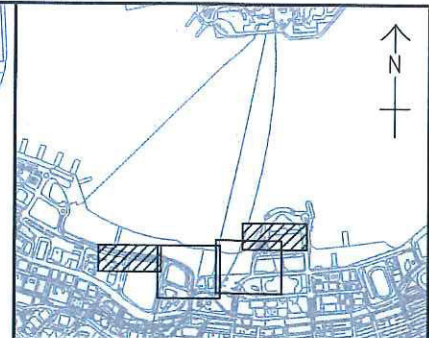
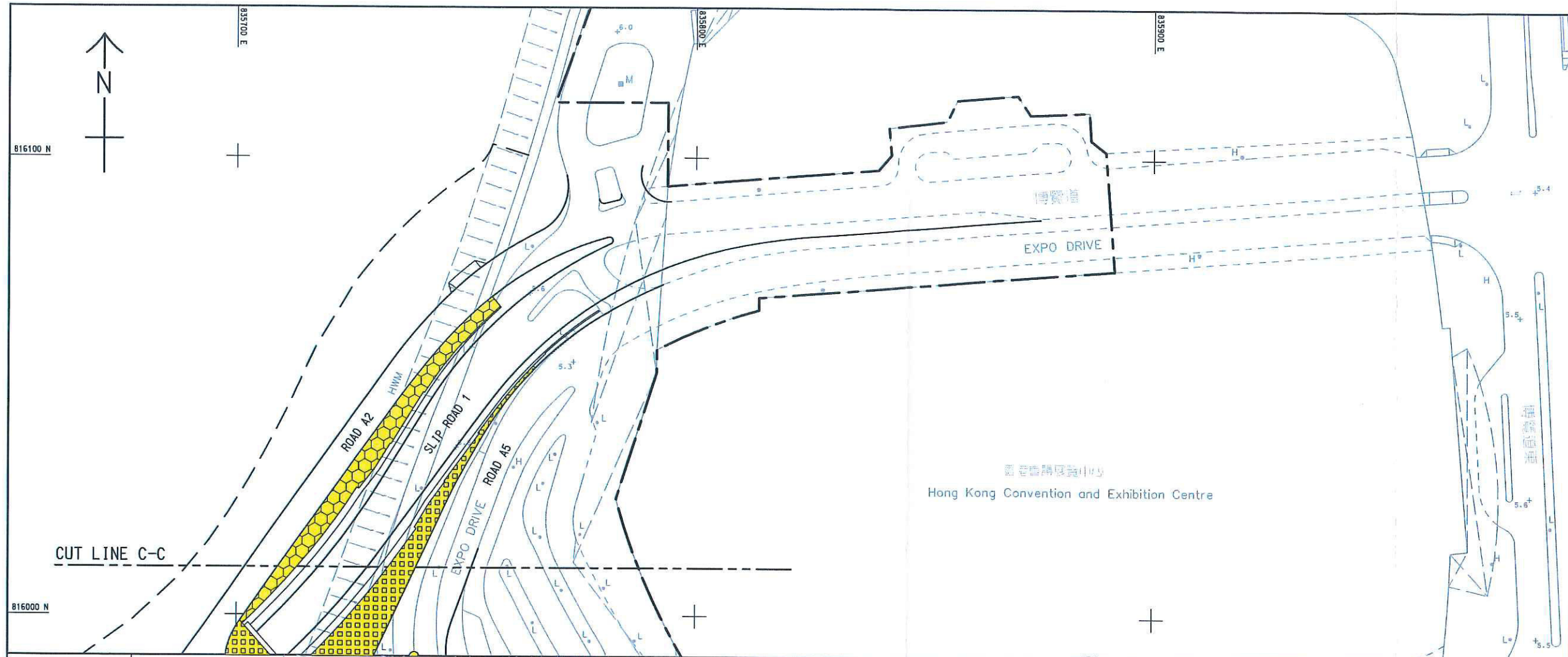
SHRUBS PLANTING PLAN

EXTRACTED FROM DRG NO. 60041297/C3/100/1611

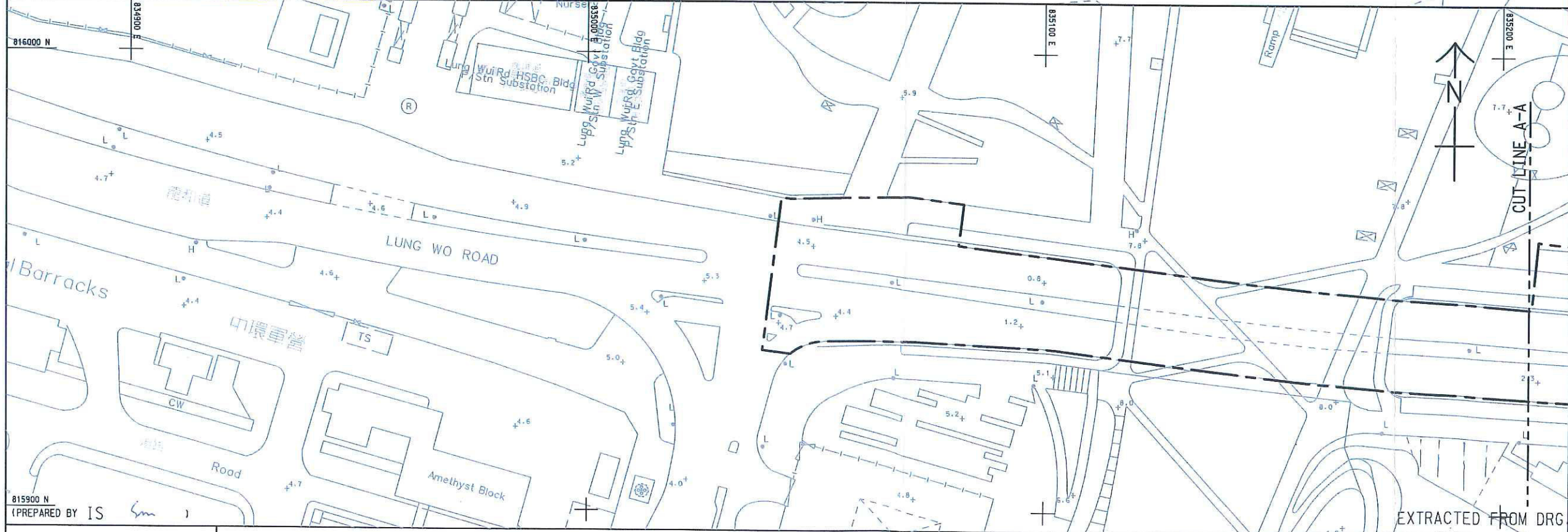


SCALE	N.T.S. (A3)	DATE	25-OCT-19
CHECK	TNK	DRAWN	PC
CONTRACT No.	HK/2012/08	DRAWING No.	60041297/C3/SSK1166
		REV	D





KEY PLAN  
SCALE 1 : 20000



WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS AT WAN CHAI WEST

SHRUBS PLANTING PLAN

SHEET 3 OF 3

SCALE	N.T.S. (A3)	DATE	04-SEP-2017
CHECK	WP	DRAWN	CCH
CONTRACT No.	HK/2012/08	DRAWING No.	60041297/C3/SSK1167
		REV	-

4/9/2017 S:\DRAFTING\C3\C3\_SSK\SSK1000-2000\C3SSK1167.dgn

2



Contract No.: HK/2012/08 – Wan Chai Development Phase II  
Central – Wan Chai Bypass at Wan Chai West



Soft Landscape (Trees and Shrubs)

Tree Assessment Schedule for Transplanted Trees to EP-376 Area under Contract No. HK/2009/02

Item	Holding Nursery	Tree No.	Botanical Name	Chinese Common Name	Jurisdiction (AFCD,HyD,LCS&R GD)	SIZE (M) Apr 2019 Contractor tree survey report			Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Amenity Value (High/ Medium/ Low)	Remark
						Height	Trunk DBH	Spread				
1	Po Kat Tsai Village	A023	<i>Phoenix loureiroi</i>	刺葵	LCS&D	6.0	375	4.0	Fair	Fair	Medium	
2	Hok Tau	A100	<i>Ficus benjamina</i>	垂葉榕	LCS&D	7.0	180	3.0	Poor	Fair	Medium	
3	Hok Tau	A102	<i>Ficus benjamina</i>	垂葉榕	LCS&D	6.0	195	2.0	Poor	Fair	Medium	
4	Hok Tau	A103	<i>Ficus benjamina</i>	垂葉榕	LCS&D	7.0	145	3.0	Fair	Fair	Medium	
5	Hok Tau	A106	<i>Ficus benjamina</i>	垂葉榕	LCS&D	8.0	175	2.0	Poor	Fair	Medium	
6	Po Kat Tsai Village	A108	<i>Ficus benjamina</i>	垂葉榕	LCS&D	6.0	170	3.0	Poor	Poor	Medium	
7	Hok Tau	A121	<i>Livistona chinensis</i>	蒲葵	LCS&D	5.0	240	2.5	Fair	Fair	Medium	
8	Po Kat Tsai Village	A132	<i>Livistona chinensis</i>	蒲葵	LCS&D	5.0	230	2.5	Fair	Fair	Medium	
9	Hok Tau	A133	<i>Livistona chinensis</i>	蒲葵	LCS&D	5.0	250	2.5	Fair	Fair	Medium	
10	Hok Tau	A138	<i>Livistona chinensis</i>	蒲葵	LCS&D	6.0	240	2.0	Fair	Fair	Medium	
11	Po Kat Tsai Village	H08	<i>Roystonea regia</i>	王棕	LCS&D	7.0	342	3.0	Poor	Fair	Fair	Identified dead by ITS after transplant and compensated
12	Po Kat Tsai Village	H09	<i>Roystonea regia</i>	王棕	LCS&D	8.0	320	2.0	Poor	Fair	Fair	
13	Po Kat Tsai Village	H11	<i>Roystonea regia</i>	王棕	LCS&D	8.0	356	2.0	Poor	Fair	Fair	
14	Po Kat Tsai Village	H12	<i>Roystonea regia</i>	王棕	LCS&D	8.0	308	3.0	Poor	Fair	Fair	
15	Po Kat Tsai Village	H13	<i>Roystonea regia</i>	王棕	LCS&D	8.0	307	2.0	Poor	Fair	Fair	
16	Po Kat Tsai Village	H14	<i>Roystonea regia</i>	王棕	LCS&D	8.0	299	2.0	Fair	Fair	Fair	
17	Po Kat Tsai Village	H15	<i>Roystonea regia</i>	王棕	LCS&D	8.0	348	3.0	Poor	Fair	Fair	
18	Po Kat Tsai Village	H16	<i>Roystonea regia</i>	王棕	LCS&D	8.0	338	2.5	Poor	Fair	Fair	
19	Po Kat Tsai Village	H17	<i>Roystonea regia</i>	王棕	LCS&D	7.0	342	2.5	Poor	Fair	Fair	
20	Po Kat Tsai Village	H18	<i>Roystonea regia</i>	王棕	LCS&D	8.0	312	2.0	Fair	Fair	Fair	

Item	Holding Nursery	Tree No.	Botanical Name	Chinese Common Name	Jurisdiction (AFCD,HyD,LCS&R GD)	SIZE (M) Apr 2019 Contractor tree survey report			Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Amenity Value (High/ Medium/ Low)	Remark
						Height	Trunk DBH	Spread				
21	Po Kat Tsai Village	H19	<i>Roystonea regia</i>	王棕	LCS&R	8.0	245	3.0	Poor	Fair	Fair	
22	Po Kat Tsai Village	H20	<i>Livistona chinensis</i>	蒲葵	LCS&R	4.0	185	2.5	Fair	Fair	Fair	
23	Po Kat Tsai Village	H21	<i>Livistona chinensis</i>	蒲葵	LCS&R	6.0	179	3.0	Fair	Fair	Fair	
24	Po Kat Tsai Village	H22	<i>Livistona chinensis</i>	蒲葵	LCS&R	4.0	202	2.5	Fair	Fair	Fair	
25	Po Kat Tsai Village	H23	<i>Livistona chinensis</i>	蒲葵	LCS&R	4.0	187	2.5	Fair	Fair	Fair	
26	Po Kat Tsai Village	H24	<i>Livistona chinensis</i>	蒲葵	LCS&R	4.0	240	3.0	Fair	Fair	Fair	
27	Po Kat Tsai Village	H25	<i>Livistona chinensis</i>	蒲葵	LCS&R	5.0	190	2.5	Fair	Fair	Fair	
28	Po Kat Tsai Village	H26	<i>Livistona chinensis</i>	蒲葵	LCS&R	5.0	167	2.0	Fair	Fair	Fair	
29	Po Kat Tsai Village	H28	<i>Roystonea regia</i>	王棕	LCS&R	8.0	403	3.0	Poor	Fair	Fair	Identified dead by ITS after transplant and compensated
30	Po Kat Tsai Village	H29	<i>Roystonea regia</i>	王棕	LCS&R	10.0	292	3.0	Fair	Fair	Fair	
31	Po Kat Tsai Village	H30	<i>Roystonea regia</i>	王棕	LCS&R	8.0	305	2.0	Poor	Fair	Fair	
32	Po Kat Tsai Village	H31	<i>Roystonea regia</i>	王棕	LCS&R	9.0	290	2.0	Fair	Fair	Fair	
33	Po Kat Tsai Village	H32	<i>Roystonea regia</i>	王棕	LCS&R	9.0	328	2.0	Fair	Fair	Fair	
34	Po Kat Tsai Village	H34	<i>Roystonea regia</i>	王棕	LCS&R	8.0	308	2.5	Fair	Fair	Fair	
35	Po Kat Tsai Village	H35	<i>Roystonea regia</i>	王棕	LCS&R	8.0	200	2.5	Fair	Fair	Fair	
36	Po Kat Tsai Village	H36	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&R	7.5	152	2.0	Poor	Fair	Fair	
37	Po Kat Tsai Village	H37	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&R	7.0	165	2.5	Fair	Fair	Fair	
38	Po Kat Tsai Village	T021	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&R	6.0	134	3.0	Fair	Fair	Medium	
39	Po Kat Tsai Village	T022	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&R	7.0	180	1.0	Poor	Poor	Medium	

Item	Holding Nursery	Tree No.	Botanical Name	Chinese Common Name	Jurisdiction (AFCD,HyD,LCS&R GD)	SIZE (M) Apr 2019 Contractor tree survey report			Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Amenity Value (High/ Medium/ Low)	Remark
						Height	Trunk DBH	Spread				
40	Po Kat Tsai Village	T023	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	200	3.0	Poor	Fair	Medium	
41	Po Kat Tsai Village	T024	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	172	3.0	Fair	Fair	Medium	
42	Po Kat Tsai Village	T025	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	8.0	210	2.0	Poor	Poor	Medium	
43	Po Kat Tsai Village	T026	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	230	3.0	Poor	Fair	Medium	
44	Po Kat Tsai Village	T027	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	8.0	230	2.0	Poor	Poor	Medium	
45	Po Kat Tsai Village	T028	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	240	1.0	Poor	Poor	Medium	
46	Po Kat Tsai Village	T029	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	205	3.0	Poor	Poor	Medium	
47	Po Kat Tsai Village	T030	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	5.0	153	3.0	Poor	Fair	Medium	
48	Hok Tau	T031	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	8.0	175	2.5	Poor	Fair	Medium	
49	Po Kat Tsai Village	T032	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	131	1.0	Poor	Fair	Medium	
50	Po Kat Tsai Village	T033	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	235	2.0	Poor	Poor	Medium	
51	Po Kat Tsai Village	T034	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	9.0	220	1.0	Poor	Poor	Medium	
52	Po Kat Tsai Village	T035	<i>Archontophoenix alexandrae</i>	假檳榔	LCS&D	7.0	210	2.0	Poor	Fair	Medium	
53	Po Kat Tsai Village	T461	<i>Phoenix loureiroi</i>	刺葵	LCS&D	6.0	350	2.5	Poor	Poor	Medium	
54	Po Kat Tsai Village	T462	<i>Phoenix loureiroi</i>	刺葵	LCS&D	5.0	573	2.5	Poor	Fair	Medium	Identified dead by ITS at tree nursery and compensated
55	Po Kat Tsai Village	T463	<i>Phoenix loureiroi</i>	刺葵	LCS&D	5.0	573	2.5	Poor	Poor	Medium	
56	Po Kat Tsai Village	T464	<i>Phoenix loureiroi</i>	刺葵	LCS&D	4.0	478	2.5	Poor	Fair	Medium	
57	Po Kat Tsai Village	T465	<i>Phoenix loureiroi</i>	刺葵	LCS&D	5.0	573	2.5	Poor	Fair	Medium	
58	Po Kat Tsai Village	T466	<i>Phoenix loureiroi</i>	刺葵	LCS&D	5.0	478	2.5	Poor	Poor	Medium	Identified dead by ITS at tree nursery and compensated
59	Po Kat Tsai Village	T467	<i>Phoenix loureiroi</i>	刺葵	LCS&D	5.0	478	2.5	Poor	Poor	Medium	
60	Po Kat Tsai Village	TA1002	<i>Livistona chinensis</i>	蒲葵	LCS&D	9.0	225	3.5	Fair	Fair	Fair	
61	Po Kat Tsai Village	TA1008	<i>Elaeis guineensis</i>	油棕	LCS&D	7.0	475	3.0	Fair	Fair	Fair	

**Contract No. HK/2012/08**  
**Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West**

Tree Schedule for Felled Trees at Tree Nursery Site

Date: 25 September 2019

Item	Tree No.	Chinese Name	Botanical name	DIA.(mm)	Spread(m)	Height(m)	Health (G/F/P)	Structural(G/F/P)	Ground Level	Recommendation	Remarks
1	T0604	木棉	<i>Bombax ceiba</i>	300	6	9	Fair	Fair	+3.92mPD	Felled	Felled on 2019.7.22 as not suitable for transplant to receptor site.
2	T0608	黃槿	<i>Hibiscus tiliaceus</i>	400	12	9	Fair	Fair	+3.36mPD	Dead and felled	Nature dead. Recommended to be felled by ITS on 2016.3.17. Felled on 2016.5.13.
3	T0609	血桐	<i>Macaranga tanarius</i>	150	4	4	Poor	Fair	+3.26mPD	Dead and felled	Dead at tree nursery as advised by ITS and felled on 2015.1.29.
4	T0611	血桐	<i>Macaranga tanarius</i>	150	4	4	Poor	Fair	+3.62mPD	Dead and felled	Dead at tree nursery as advised by ITS and felled on 2015.1.29.
5	T0612	血桐	<i>Macaranga tanarius</i>	150	4	4	Fair	Fair	+3.60mPD	Dead and felled	Dead at tree nursery as advised by ITS and felled on 2015.1.29.
6	T0613	黃槿	<i>Hibiscus tiliaceus</i>	500	10	9	Fair	Fair	+3.40mPD	Dead and felled	Cut wounds. Collapsed by Typhoon Meranti on 2016.9.10 to 2016.9.15. Felled as advised by ITS.
7	T0618	垂葉榕	<i>Ficus benjamina</i>	100	3	3	Fair	Fair	+4.24mPD	Dead and felled	Damaged by other collapsed tree on 2016.3.10 due to heavy rain and felled.
8	T0619	白千層	<i>Melaleuca cajuputi</i> subsp. <i>Cumingiana</i>	250	5	8	Fair	Fair	+4.26mPD	Felled	Felled on 2019.7.22 as not suitable for transplant to receptor site.
9	T0620	大葉榕	<i>Ficus virens</i>	350	12	10	Fair	Fair	+4.05mPD	Felled	Felled on 2019.7.22 as not suitable for transplant to receptor site.
10	T0468	糖膠樹	<i>Alstonia scholaris</i>	191	4	5.5	Fair	Fair	+5.63mPD	Dead and felled	Dead at tree nursery as advised by ITS and felled on 2017.6.22.



Our Ref : HK/2012/08/CDB/CA2/010387  
Your Ref :  
Date : 30 SEP 2019

034393

**Ms. Gloria Tang**  
Chief Resident Engineer

By Hand

AECOM Asia Co Ltd  
9 Performing Arts Avenue,  
Admiralty, Hong Kong

Dear Madam,

**Contract No.: HK/2012/08**  
**Wan Chai Development Phase II -**  
**Central – Wan Chai Bypass at Wan Chai West**

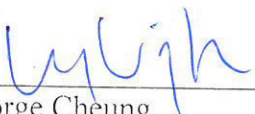
**Tree Transplanting at Tree Nursery from Contract No. HK/2009/02**

We refer to our previous letter ref. HK/2012/08/CDB/CA2/010153 and HK/2012/08/CDB/SA06.01.02/010220 dated 31 May 2019 and 26 June 2019 regarding the captioned subject.

Referring to joint site inspection among our landscape subcontractor and ITS at Planter between Road A2 and Road P2 eastbound on 23 September 2019, ITS reported that tree no. H08 was found dead after the tree transplanted to site.

Enclosed please find the tree report and form 2 which prepared by ITS for your information and record.

Yours faithfully,  
For and on behalf of  
China State – Build King Joint Venture

  
George Cheung  
Site Agent

Encl.

c.c. AACL – H.O.

GC/KL/MKC/py



# TREE INSPECTION REPORT

Contract No. HK/2012/08 Wan Chai Development Phase II  
Central – Wan Chai Bypass at Wan Chai West  
Transplanted Tree- H08 (C2)

Prepared by: Lois Poon (ISA Certified Arborist- HK-0075A)

Signature:  \_\_\_\_\_

Inspection Date: 27 September 2019

### 1. Introduction

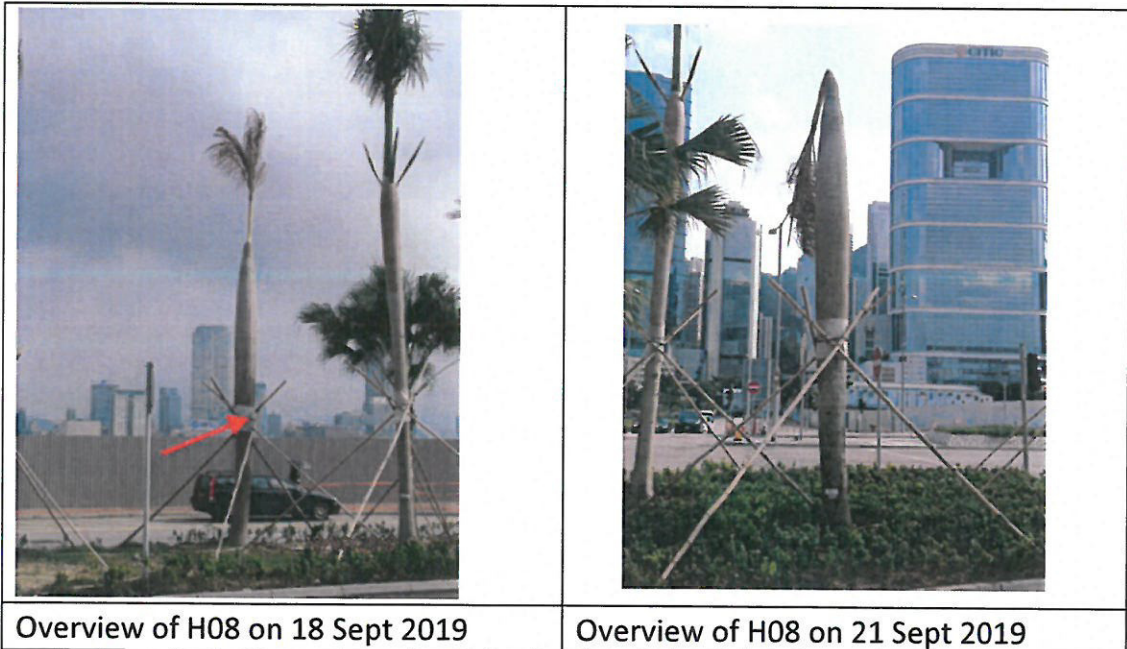
A transplanted trees, named H08 (C2) was observed dead during the site inspection on 21 September 2019. The general information of the tree is listed in the following table:

Tree ID	H08 (C2)
Tree Species	<i>Roystonea regia</i> 大王椰子
Diameter at Breast Height (DBH)	400mm
Overall Height	8
Average Crown Spread	2
Health condition	Dead

### 2. Site Location






### 3. Photographic record



Overview of H08 on 18 Sept 2019

Overview of H08 on 21 Sept 2019

	
<p>Crown wilting was observed on 18 Sept 2019</p>	<p>Growing point of the tree was dead on 21 Sept 2019</p>
	
<p>Tree root area</p>	<p>Tree tag</p>

**4. Recommendation**

During this inspection, this tree is obviously dead after transplanting within 1 month. Tree felling may require but it will subject to the condition of TPRP under this Contract. Compensatory planting may necessary considered. Detail assessment of this tree please refers to the Form 2 attached.



**Tree Management Information System (TMIS) 樹木管理資訊系統**  
**Tree Risk Assessment Form 2 - Individual Tree**  
**樹木風險評估表格2：個別樹木**

Please enable macro before using this workbook  
 請於填寫表格前啟用巨集  
 (Please save this workbook as xls format)

**General Information 基本資料**

Dept. 部門/ Agency 機構:	CEDD	Inspection officer 巡查人員:	Lois Poon	Post 職位:	Inspection officer
File Ref. 檔案編號:	Transplant_H08(C2)	Endorsement Officer 覆核人員:		Post 職位:	
Date of Inspection (dd/mm/yyyy) 巡查日期:	23/09/2019	Last Inspection Date (dd/mm/yyyy) 上次巡查日期:	18/09/2019		
Agency 機構/ Project 工程/ Contract No. 合約編號:	HK/2012/08				
Tree Risk Management Zone 樹木風險管理地點類別:	<input checked="" type="checkbox"/> category I <input type="checkbox"/> category II <input type="checkbox"/> category III				
Inspection Frequency 巡查週期:					

**Location Information 位置資料**

Tree ID (Dept. Ref.) 樹木編號(部門參考):	H08	Tree Species 樹木品種:	Roystonea regia 大王椰子(王棕)	
Master Zone Departmental Ref. 主區編號:	Wan Chai			
Sub Zone Departmental Ref. 副區編號:	Wan Chai			
English Location 英文地點:	Central Wanchai Bypass			
Chinese Location 中文地點:	中環灣仔繞道			
Nearby Utility Post No 就近公用設施編號:				
Coordinates 座標 * (HK1980 GRID)	Northing 坐標北 (Y)	815930	Easting 坐標東 (X)	835345
Is the tree on Tree Register? 是否樹木登記冊內樹木?	<input type="checkbox"/> Yes 是		Is the tree a Stone Wall Tree? 是否石牆樹?	<input type="checkbox"/> Yes 是
Tree Register No. 樹木登記冊號碼:			OVT No. 古樹名木:	
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input checked="" type="checkbox"/> Roadside Landscaped Area 路旁綠化地區 <input type="checkbox"/> Central Divider 中央分隔帶 <input type="checkbox"/> Tree Pit 樹穴 <input type="checkbox"/> Village Environs 鄉村範圍 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Unallocated Government Land 未撥用的政府土地 <input type="checkbox"/> Remote Countryside 偏遠郊區 <input type="checkbox"/> Recreational Site/Facilities inside Country Park 郊野公園內康樂用地或設施 <input type="checkbox"/> Vacant Government Land 政府空置土地 <input type="checkbox"/> SIMAR Slopes 系統性維修責任的斜坡 <input checked="" type="checkbox"/> Others (please specify) 其他 (請說明): <u>transplanted tree</u>			
No. of Tree Trunk(s) (#) 主幹數目(#):	1	DBH of tree trunk(s) (mm) (1.3m above soil level) 每枝主幹胸徑(毫米) (離地面1.3米)	#1 400 #2 #3 #4 #5	Aggregated DBH (mm) 總胸徑(毫米): 400
Tree Height(m) 樹高(米):	8.0		Tree Spread(m) 樹冠闊度(米):	2.0
Age class 樹齡組別:	<input type="checkbox"/> Young 幼 <input checked="" type="checkbox"/> Mature 成熟 <input type="checkbox"/> Senescent 衰老			

<b>GENERAL CONDITION 基本狀況</b>
Foliage density 葉片密度: <input type="checkbox"/> Normal 正常 <input checked="" type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input checked="" type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
Leaf Size 葉片大小: <input type="checkbox"/> Normal 正常 <input checked="" type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 <i>(please specify the location and severity 請說明位置及嚴重程度)</i>
Tree vigor 茁壯程度: <input checked="" type="checkbox"/> Good 好 <input type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Angle of lean from vertical 傾斜角度: _____ <input type="checkbox"/> Natural due to phototropism/self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 新近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

<b>CROWN CONDITION 樹冠狀況</b>	<b>Severity of Defects 嚴重程度:</b>
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input type="checkbox"/> <5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes please specify type 如有請說明種類)</i>	
Others (please specify): 其他 (請說明)	

<b>BRANCH CONDITION 枝幹狀況</b>	<b>Severity of Defects 嚴重程度:</b>
(multiple answers allowed 可選多於一項): <input type="checkbox"/> Co-dominant branches 等勢枝 <input type="checkbox"/> Included bark 內夾樹皮 <input type="checkbox"/> Cavities 樹洞 <input type="checkbox"/> Cracks/splits 裂縫/裂開 <input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input checked="" type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝	Severe 極之嚴重 (S)
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 疊枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
<input type="checkbox"/> Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes please specify type 如有請說明種類)</i>	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes please specify type 如有請說明種類)</i>	
Others (please specify): 其他 (請說明)	

TRUNK CONDITION 主幹狀況 <i>(multiple answers allowed 可選多於一項):</i>	Severity of Defects 嚴重程度:
<input type="checkbox"/> #1 Decay/Cavity * 腐爛/樹洞 (open 可見的) Length 長: <input type="text"/> (mm) Width 闊: <input type="text"/> (mm) Depth 深: <input type="text"/> (mm)	
<input type="checkbox"/> #2 Decay/Cavity * 腐爛/樹洞 (open 可見的) Length 長: <input type="text"/> (mm) Width 闊: <input type="text"/> (mm) Depth 深: <input type="text"/> (mm)	
<input type="checkbox"/> #3 Decay/Cavity * 腐爛/樹洞 (open 可見的) Length 長: <input type="text"/> (mm) Width 闊: <input type="text"/> (mm) Depth 深: <input type="text"/> (mm)	
<input type="checkbox"/> Poor taper 不良漸尖生長	
<input type="checkbox"/> Codominant trunks 等勢幹	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cracks/splits 裂縫或裂開	
<input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫	
<input type="checkbox"/> Bulge 腫脹	
<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體	
<input type="checkbox"/> Exposed dead wood 枯幹外露	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛	
<input type="checkbox"/> Bleeding /Sap flow 滲液	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i>	
Others (please specify): 其他(請說明)	

ROOT CONDITION 根部狀況 <i>(multiple answers allowed 可選多於一項):</i>	Severity of Defects 嚴重程度:
<input type="checkbox"/> Root flare/collar not visible 根脊不現	
<input type="checkbox"/> Root rot 根部腐壞	
<input type="checkbox"/> Cracks/splits 裂縫或裂開	
<input checked="" type="checkbox"/> Cut/pruned roots 根部經切割或截根	Severe 極之嚴重 (S)
<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體	
<input type="checkbox"/> Dead surface roots 根部枯萎	
<input type="checkbox"/> Exposed root 根部外露	
<input type="checkbox"/> Mechanical injury 機械破損	
<input type="checkbox"/> Termites/bores injury 白蟻或蛀心蟲蛀蝕	
<input type="checkbox"/> Root-plate movement 根基移位	
<input type="checkbox"/> Girdling roots 纏繞根	
Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes pls specify type 如有請說明)</i>	
<input type="checkbox"/> Drain 渠道	
<input type="checkbox"/> Footpath/pavement 行人道	
<input type="checkbox"/> Road curb 路肩	
<input type="checkbox"/> Retaining structure 護土結構	
<input type="checkbox"/> Footings or railings 地基或欄杆	
Others (please specify): 其他(請說明)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i>	
Others (please specify): 其他(請說明)	

SITE CONDITION 樹木生長環境 <i>(multiple answers allowed 可選多於一項):</i>
Site disturbed by construction activities 鄰近環境受工程影響: <input type="checkbox"/> Road widening 道路擴寬 <input type="checkbox"/> Drain replacement 渠道重鋪 <input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降 <input type="checkbox"/> Site clearing 地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道 <input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花園/草坪 <input type="checkbox"/> Others (specify) 其他(請說明)
Soil condition 土壤情況 <input type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 黏土 <input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤被擠壓
(restricted root growth area inside dripline 於滴水線範圍內有障礙物限制根部延伸) <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否
<input type="checkbox"/> < 25% <input type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> > 75%
Width of Planting area 種植範圍 <input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m <input type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m
Tree location with exposure to wind 樹木所在地點的受風情況: <input checked="" type="checkbox"/> Single tree 單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed 新近暴露
Others (please specify): 其他(請說明)

\* Please specify the location and aspect of Decay/Cavity in section of Tree Photos or Comments (e.g. Location of Decay/Cavity with height above ground level and aspect of Decay/Cavity opening)  
請於樹木相片或評註部分詳細說明腐爛/樹洞的位置及方位例: 腐爛/樹洞離地距離及腐爛/樹洞開口面向的方向

TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木/枝幹倒下而致可能受影響的人或財產):
Use under tree 在樹下之用途: <i>(multiple answers allowed 可選多於一項):</i> <input type="checkbox"/> Building 建築物 <input checked="" type="checkbox"/> Parking 停車位 <input checked="" type="checkbox"/> Traffic 交通 <input type="checkbox"/> Recreation 康樂 <input type="checkbox"/> Gathering point 聚集地點 <input checked="" type="checkbox"/> Pedestrians 行人道 <input type="checkbox"/> Hardscape 園藝景觀裝置
Others 其他 (please specify 請說明):
Can target be moved 能否移除目標? <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否
Can use of site be restricted 可否限制場地的使用? <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否
Frequency of use of location 使用該地點的頻密程度: <input type="checkbox"/> Occasional use 偶爾使用 <input type="checkbox"/> Intermittent use 間歇使用 <input type="checkbox"/> Frequent use 經常使用 <input checked="" type="checkbox"/> Constant use 恆常使用

HAZARD RATING 危害評估:	Failure potential 倒下的可能性:
Tree or part likely to fall 樹木或枝條有可能倒下 <input type="checkbox"/> Trunk 樹幹 <input type="checkbox"/> Branch/limb 枝幹 <input checked="" type="checkbox"/> Whole 整棵	<input type="checkbox"/> 1=low 低 <input type="checkbox"/> 2=medium 中 <input checked="" type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估	Size of part 部位大小: <input type="checkbox"/> 1= < 150mm <input type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm
3 + 2 + 4 = 9	Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input type="checkbox"/> 2 - intermittent use 間歇使用 <input type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 恆常使用

REMEDIAL/RISK MITIGATION MEASURES 風險緩減措施 (can tick more than one 可選多於一項)*:



Remedial/Risk Mitigation measures taken.  
已施行的風險緩減措施 (please specify 請說明): \_\_\_\_\_

Remedial/Risk Mitigation measures proposed to be taken as specified below:  
將會施行以下所指明的風險緩減措施:

Pruning 修剪:

<input type="checkbox"/> Remove defective parts 移去有缺陷部份	<input type="checkbox"/> Crown cleaning 清理樹冠
<input type="checkbox"/> Crown thinning 疏減樹冠	<input type="checkbox"/> Remove stub 移去殘端部份
<input type="checkbox"/> Crown raising 提升樹冠	<input type="checkbox"/> Crown reduction 縮減樹冠

Tree Removal 移除樹木:

Cabling/Bracing/Propping 安裝纜索或支撐物:

Move Target 移走目標:

Restrict use within fall zone  
限制可能發生樹木倒下或枝條斷裂的範圍使用

Pest/disease control 控制病蟲害:

Needs further inspection within \_\_\_\_\_ months  
需於 \_\_\_\_\_ 個月內再次檢查樹木

(please specify 請說明): \_\_\_\_\_

	Anticipated Date of Completion 預計完成日期(dd/mm/yyyy)	Date of Completion 完成日期(dd/mm/yyyy)
Date:		
Date:	31/10/2019	
Date:		
Date:		
Date:		

**Comments 評註:**

This tree is designated for transplanting, but health condition of this tree declined after transplanting from holding nursery. Tree removal may required.

**Attached Information 附夾資料**  
(Maximum 20 attachments and total 40MB allowed 最多可容納20個附件並合計不多於40MB)  
Attachment: 附件 (Please double click the yellow area to get the related file 請雙擊黃色部份並選取相關附件)

**Site Plan 場地平面圖** Add Site Plan    Delete Site Plan  
(At least 1 Site Plan is provide 最少提供一個場地平面圖)

1	Attach_20190927234503.docx	Description 說明: Location map
---	----------------------------	------------------------------

**Tree Photo 樹木相片** Add Tree Photo    Delete Tree Photo  
(At least 1 Tree Photo is provide 最少提供一個樹木相片)

1	Attach_20190917221246.JPG	Description 說明: Overview of H08
2	Attach_20190917221320.JPG	Description 說明: Crown wilted

**Resistograph Chart 微鑽阻力測試** Add Resistograph Chart    Delete Resistograph Chart

1	Description 說明:
---	-----------------

**Tomograph 聲納圖像** Add Tomography    Delete Tomography

1	Description 說明:
---	-----------------

**Other Attachments 其他附件 (Please specific 請註明)** Add Others    Delete Others

1	Subject Title 標題:	Description 說明:
---	-------------------	-----------------

Note:  
Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement and relevant Technical Circulars promulgated on Development Bureau website www.trees.gov.hk  
請參閱發展局網頁www.trees.gov.hk 樹木管理辦事處的樹木風險評估安排及管理指引及相關技術通告

Location Plan

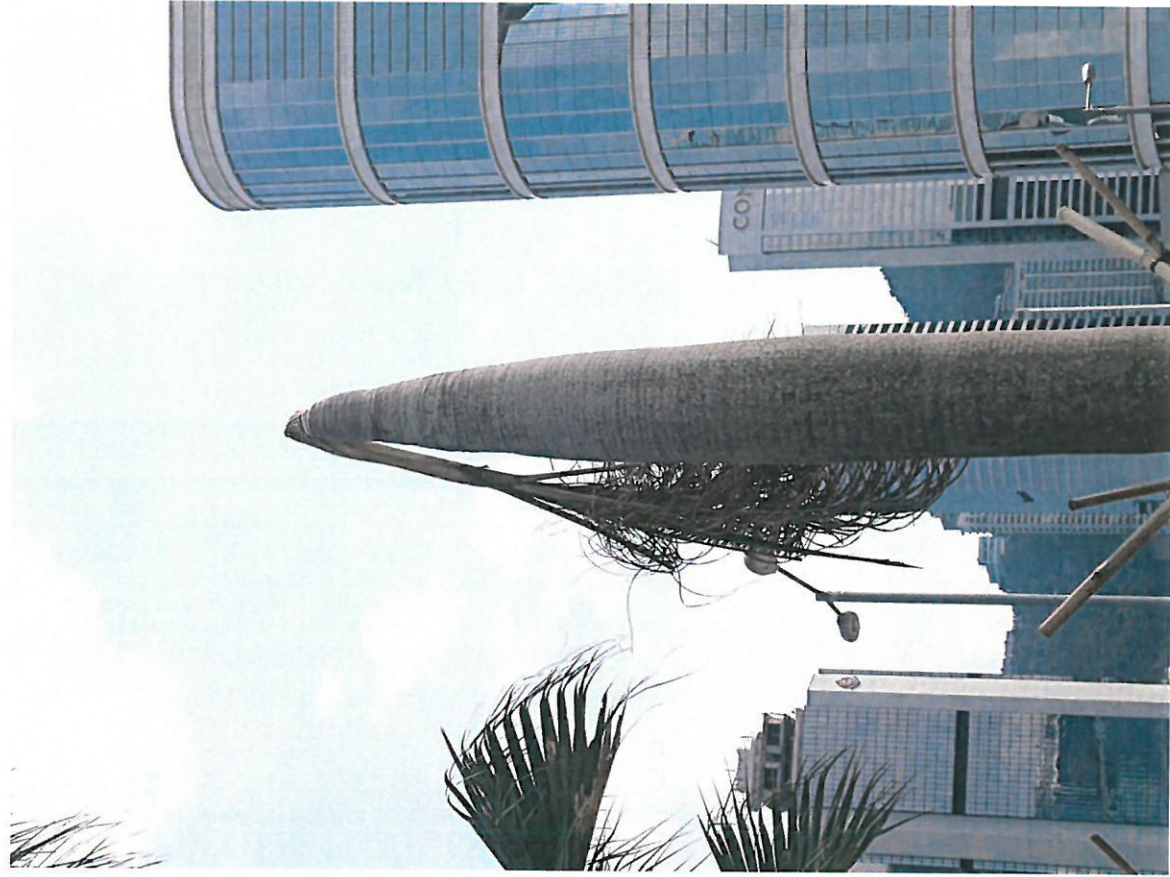




Photographic Record



Overview of H08



Wilted tree crown (Dead of growing point)





Our Ref : HK/2012/08/CDB/CA2/010441  
Your Ref :  
Date : 23 NOV 2019

034503

**Ms. Gloria Tang**  
Chief Resident Engineer

By Hand

AECOM Asia Co Ltd  
9 Performing Arts Avenue,  
Admiralty, Hong Kong

Dear Madam,

**Contract No.: HK/2012/08**  
**Wan Chai Development Phase II**  
**Central – Wan Chai Bypass at Wan Chai West**

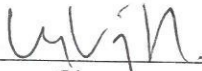
**Tree Transplanting at Tree Nursery from Contract No. HK/2009/02**

We refer to our previous letter ref. HK/2012/08/CDB/CA2/010153, HK/2012/08/CDB/SA06.01.02/010220 and HK/2012/08/CDB/CA2/010387 dated 31 May 2019, 26 June 2019 and 30 September 2019 regarding the captioned subject.

Referring to joint site inspection among our landscape subcontractor and ITS at Planter between Road A2 and Road P2 eastbound on 21 November 2019, ITS reported that tree no. H28 was found dead after the tree transplanted to site.

Enclosed please find the tree report and form 2 which prepared by ITS for your information and record.

Yours faithfully,  
For and on behalf of  
China State – Build King Joint Venture

  
\_\_\_\_\_  
George Cheung  
Site Agent

Encl.

c.c. – AACL – H.O

GC/KL/MKC/py

# TREE INSPECTION REPORT

Contract No. HK/2012/08 Wan Chai Development Phase II

Central – Wan Chai Bypass at Wan Chai West

Transplanted Tree- H28 (C2)

Prepared by: Lois Poon (ISA Certified Arborist- HK-0075A)

Signature:  \_\_\_\_\_

Inspection Date: 21 November 2019

## 1. Introduction

A transplanted tree, named H28 (C2) was observed dead during the site inspection on 21 November 2019. The general information of the tree is listed in the following table:

Tree ID	H28 (C2)
Tree Species	<i>Roystonea regia</i> 大王椰子
Diameter at Breast Height (DBH)	420mm
Overall Height	8
Average Crown Spread	0.1
Health condition	Dead

## 2. Site Location





### 3. Photographic record



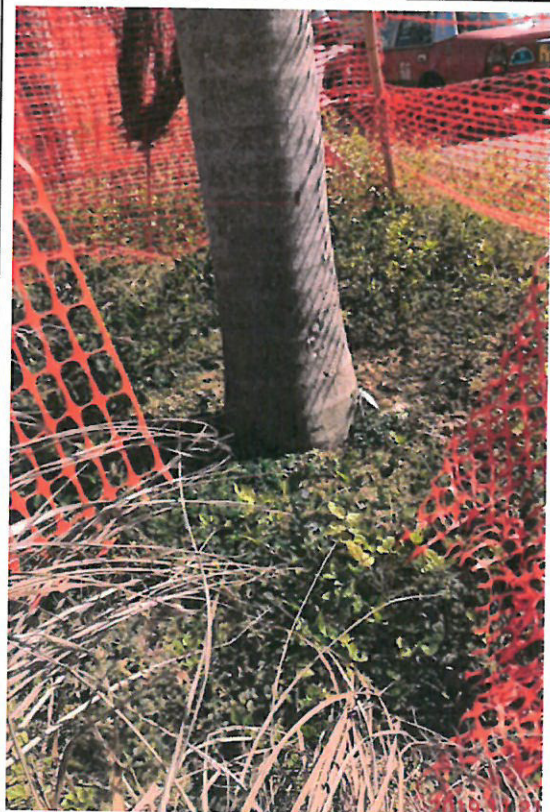
Overview of H28 on 22 Nov 2019



Tree crown fell on ground

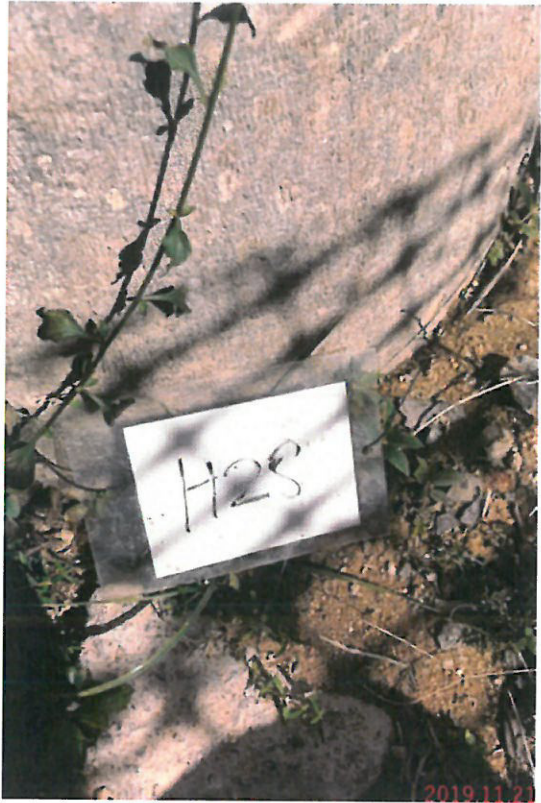


Close up of the tip of trunk



Tree root area



	
Tree tag	

#### 4. Recommendation

During this inspection, it is observed that the tree crown was fell on ground. As the growing point of palm tree (at the tip of the trunk) was damaged, the tree is unlikely to recover.

Tree felling is recommended and compensatory planting may necessary considered under the condition of TPRP of this Contract, detail assessment of this tree please refers to the Form 2 attached.

Tree Management Information System (TMIS) 樹木管理資訊系統  
Tree Risk Assessment Form 2 - Individual Tree  
樹木風險評估表格2：個別樹木

Please enable macro before using this workbook  
請於填寫表格前啟用巨集

(Please save this workbook as xls format)

General Information 基本資料

Dept. 部門/ Agency 機構:	CEDD	Inspection officer 巡查人員:	Lois Poon	Post 職位:	Arborist
File Ref. 檔案編號:	Transplant_H28 (C2)	Endorsement Officer 覆核人員:		Post 職位:	
Date of Inspection (dd/mm/yyyy) 巡查日期:	21/11/2019	Last Inspection Date (dd/mm/yyyy) 上次巡查日期:	23/09/2019		
Agency 機構/ Project 工程/ Contract No. 合約編號:	HK/2012/08				
Tree Risk Management Zone 樹木風險管理地點類別:	<input checked="" type="checkbox"/> category I <input type="checkbox"/> category II <input type="checkbox"/> category III				
Inspection Frequency 巡查週期:	1 month 個月				

Location Information 位置資料

Tree ID (Dept. Ref.) 樹木編號(部門參考):	H28	Tree Species 樹木品種:	Roystonea regia 大王椰子(王棕)	
Master Zone Departmental Ref. 主區編號:	Wan Chai			
Sub Zone Departmental Ref. 副區編號:	Wan Chai			
English Location 英文地點:	Central Wanchai Bypass			
Chinese Location 中文地點:	中環灣仔繞道			
Nearby Utility Post No 就近公用設施編號:				
Coordinates 座標 * (HK1980 GRID)	Northing 坐標北 (Y)	816002	Easting 坐標東 (X)	834839
Is the tree on Tree Register? 是否樹木登記冊內樹木?	<input type="checkbox"/> Yes 是		Is the tree a Stone Wall Tree? 是否石牆樹?	<input type="checkbox"/> Yes 是
Tree Register No. 樹木登記冊號碼:			OVT No. 古樹名木:	
TRIAGE Classification 分流等級	<input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否		Black 黑	<input type="checkbox"/> Red 紅 <input type="checkbox"/> Yellow 黃
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠化地區 <input checked="" type="checkbox"/> Central Divider 中央分隔帶 <input type="checkbox"/> Tree Pit 樹穴 <input type="checkbox"/> Village Environs 鄉村範圍 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Unallocated Government Land 未撥用的政府土地 <input type="checkbox"/> Remote Countryside 偏遠郊區 <input type="checkbox"/> Recreational Site/Facilities inside Country Park 郊野公園內康樂用地或設施 <input type="checkbox"/> Vacant Government Land 政府空置土地 <input type="checkbox"/> SIMAR Slopes 系統性鑑辨維修責任的斜坡 <input type="checkbox"/> Others (please specify) 其他 (請說明):			
No. of Tree Trunk(s) (#) 主幹數目(#):	1	DBH of tree trunk(s)(mm) (1.3m above soil level) 每枝主幹胸徑(毫米) (離地面1.3米)	#1 420    #2    #3    #4    #5 Aggregated DBH (mm) 總胸徑(毫米): 420	
Tree Height(m) 樹高(米):	8.0	Tree Spread(m) 樹冠闊度(米):	0.1	
Age class 樹齡組別:	<input type="checkbox"/> Young 幼 <input checked="" type="checkbox"/> Mature 成熟 <input type="checkbox"/> Senescent 衰老			

<b>GENERAL CONDITION</b> 基本狀況
<b>Foliage density</b> 葉片密度: <input type="checkbox"/> Normal 正常 <input checked="" type="checkbox"/> Sparse 稀疏
<b>Foliage colour</b> 葉片顏色: <input type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input checked="" type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
<b>Leaf Size</b> 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
<b>Epicormics</b> 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (please specify the location and severity 請說明位置及嚴重程度)
<b>Tree vigor</b> 茁壯程度: <input type="checkbox"/> Good 好 <input type="checkbox"/> Average 良 <input checked="" type="checkbox"/> Poor 差
<b>Lean</b> 傾斜: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Angle of lean from vertical 傾斜角度 <input type="checkbox"/> Natural due to phototropism/ self - corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/unstable root-plate 新近傾斜/根基不穩
<b>Soil cracks or cracks in structure(s) behind lean</b> 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

<b>CROWN CONDITION</b> 樹冠狀況	<b>Severity of Defects</b> 嚴重程度:
<b>Heavy crown load</b> 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
<b>Live crown ratio</b> 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input checked="" type="checkbox"/> Low 低 < 40% <input type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
<b>Dieback twigs</b> 枯枝: <input checked="" type="checkbox"/> <5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
<b>Crown reduced/excessively thinned/ topped/ pollarded:</b> 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
<b>Asymmetric tree canopy</b> 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
<b>Signs of pests and disease</b> 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<b>Others (please specify):</b> 其他 (請說明)	

<b>BRANCH CONDITION</b> 枝幹狀況 (multiple answers allowed 可選多於一項):	<b>Severity of Defects</b> 嚴重程度:
<input type="checkbox"/> Co-dominant branches 等勢枝	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cavities 樹洞	
<input type="checkbox"/> Cracks/splits 裂縫/裂開	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input checked="" type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝	Severe 極之嚴重 (S)
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 疊枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
<input type="checkbox"/> Bleeding/sap flow 滲液	
<b>Parasitic/Epiphytic plants</b> 寄生/附生植物 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<b>Signs of pests and disease</b> 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<b>Others (please specify):</b> 其他 (請說明)	



TRUNK CONDITION 主幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度:	ROOT CONDITION 根部狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度:	SITE CONDITION 樹木生長環境 (multiple answers allowed 可選多於一項):
<input type="checkbox"/> #1 Decay/Cavity * 腐爛/樹洞(open 可見的) Length長: <input type="text"/> (mm) Width 闊: <input type="text"/> (mm) Depth 深: <input type="text"/> (mm)		<input type="checkbox"/> Root flare/collar not visible 根脊不現 <input type="checkbox"/> Root rot根部腐壞 <input type="checkbox"/> Cracks/splits裂縫或裂開 <input checked="" type="checkbox"/> Cut/pruned roots 根部經切割或截根 <input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體 <input type="checkbox"/> Dead surface roots 根部枯萎 <input type="checkbox"/> Exposed root根部外露 <input type="checkbox"/> Mechanical injury機械破損 <input type="checkbox"/> Termites/borers injury 白蟻或蛀心/蟲蛀蝕 <input type="checkbox"/> Root-plate movement 根基移位 <input type="checkbox"/> Girdling roots纏繞根	<input type="checkbox"/> Severe 極之嚴重 (S)	<b>Site disturbed by construction activities</b> 鄰近環境受工程影響: <input type="checkbox"/> Road widening道路擴寬 <input type="checkbox"/> Drain replacement渠道重鋪 <input type="checkbox"/> Soil grade reduce/increase 地表上升或下降 <input type="checkbox"/> Site clearing地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道 <input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree在樹下加建花園/草坪 <input type="checkbox"/> Others (specify) 其他(請說明)
<input type="checkbox"/> #2 Decay/Cavity * 腐爛/樹洞(open 可見的) Length長: <input type="text"/> (mm) Width 闊: <input type="text"/> (mm) Depth 深: <input type="text"/> (mm)		<input type="checkbox"/> Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 (If yes pls specify type如有請說明) <input type="checkbox"/> Drain 渠道 <input type="checkbox"/> Footpath/pavement行人道 <input type="checkbox"/> Road curb路肩 <input type="checkbox"/> Retaining structure 護土結構 <input type="checkbox"/> Footings or railings 地基或欄杆 <input type="checkbox"/> Others (please specify): 其他(請說明)		<b>Soil condition 土壤情況</b> <input type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 黏土 <input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤擠壓 <b>(restricted root growth area inside dripline 於滴水線範圍內有障礙物限制根部延伸)</b> <input type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 <input type="checkbox"/> < 25% <input type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%
<input type="checkbox"/> #3 Decay/Cavity * 腐爛/樹洞(open 可見的) Length長: <input type="text"/> (mm) Width 闊: <input type="text"/> (mm) Depth 深: <input type="text"/> (mm)		<input type="checkbox"/> Poor taper不良漸尖生長 <input type="checkbox"/> Codominant trunks等勢幹 <input type="checkbox"/> Included bark 內夾樹皮 <input type="checkbox"/> Cracks/splits 裂縫或裂開 <input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫 <input type="checkbox"/> Bulge腫脹 <input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體 <input type="checkbox"/> Exposed dead wood 枯幹外露 <input type="checkbox"/> Wounds/Mechanical injury明顯傷痕/機械破損 <input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛 <input type="checkbox"/> Bleeding /Sap flow 滲液		<b>Width of Planting area</b> 種植面積範圍 <input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m <input type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m <b>Tree location with exposure to wind 樹木所在地點的受風情況:</b> <input checked="" type="checkbox"/> Single tree單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed新近暴露 <input type="checkbox"/> Others (please specify): 其他(請說明)
<b>Signs of pests and disease</b> 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		<b>Signs of pests and disease</b> 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		
<b>Others (please specify):</b> 其他(請說明)		<b>Others (please specify):</b> 其他(請說明)		

\* Please specify the location and aspect of Decay/Cavity in section of Tree Photos or Comments (e.g. Location of Decay/Cavity with height above ground level and aspect of Decay/Cavity opening)  
請於樹木相片或詳註部分詳細說明腐爛/樹洞的位置及方位例: 腐爛/樹洞離地距離及腐爛/樹洞開口面向的方向

<b>TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木/枝幹倒下而致可能受影響的人或財產):</b>	
<b>Use under tree 在樹下之用途:</b> (multiple answers allowed 可選多於一項): <input type="checkbox"/> Building 建築物 <input type="checkbox"/> Gathering point 聚集地點 <input type="checkbox"/> Others 其他 (please specify 請說明):	<input type="checkbox"/> Parking 停車位 <input type="checkbox"/> Pedestrians 行人道 <input checked="" type="checkbox"/> Traffic 交通 <input type="checkbox"/> Hardscape 園藝景觀裝置 <input type="checkbox"/> Recreation 康樂
Can target be moved 能否移除目標?	<input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否
Can use of site be restricted 可否限制場地的使用?	<input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否
<b>Frequency of use of location 使用該地點的頻密程度:</b>	
<input type="checkbox"/> Occasional use 偶爾使用 <input type="checkbox"/> Intermittent use 間歇使用 <input type="checkbox"/> Frequent use 經常使用 <input checked="" type="checkbox"/> Constant use 恆常使用	

<b>HAZARD RATING 危害評估:</b> Tree or part likely to fall 樹木或枝條有可能倒下 <input type="checkbox"/> Trunk 樹幹 <input type="checkbox"/> Branch/limb 枝幹 <input checked="" type="checkbox"/> Whole 整體 (Choose ONE option that is most likely to fall. For more than one option with risk imposed from public safety, please elaborate in "Comments" 選出最有可能倒下的一個選項, 就其他對公眾安全構成風險的選項, 請在"詳註"詳述.) Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估 4 + 2 + 4 = 10	<b>Failure potential 倒下的可能性:</b> <input type="checkbox"/> 1=low 低 <input type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input checked="" type="checkbox"/> 4=severe 極高 <b>Size of part 部位大小:</b> <input type="checkbox"/> 1= < 150mm <input checked="" type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm <b>Target rating 目標評估:</b> <input type="checkbox"/> 1 - occasional use 偶爾使用 <input type="checkbox"/> 2 - intermittent use 間歇使用 <input checked="" type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 恆常使用
--	---

**REMEDIAL/RISK MITIGATION MEASURES**

風險緩減措施 (can tick more than one可選多於一項)\*:

- Remedial/Risk Mitigation measures taken.  
已施行的風險緩減措施 (please specify 請說明): \_\_\_\_\_
- Remedial/Risk Mitigation measures proposed to be taken as specified below:  
將會施行以下所指明的風險緩減措施:
- Pruning修剪:
  - Remove defective parts  
移去有缺陷部份
  - Crown thinning 疏減樹冠
  - Crown raising提升樹冠
- Tree Removal移除樹木:
- Cabling/Bracing/Propping 安裝纜索或支撐物:
- Move Target 移走目標:
- Restrict use within fall zone  
限制可能發生樹木倒下或枝條斷裂的範圍使用
- Pest/ disease control控制病蟲害:
- Needs further inspection within \_\_\_\_\_ months  
需於 \_\_\_\_\_ 個月內再次檢查樹木  
(please specify 請說明): \_\_\_\_\_

- Crown cleaning  
清理樹冠
- Remove stub移去殘端部份
- Crown reduction縮減樹冠

	Anticipated Date of Completion 預計完成日期(dd/mm/yyyy)	Date of Completion 完成日期(dd/mm/yyyy)
Date:		
Date:	22/12/2019	
Date:		
Date:		
Date:		
Date:		

**Comments 評註:**

The tree was newly transplanted to the site under TPRP requirement of the contract but health condition of the tree is declining. Crown of the tree fell on ground and the growing point was damaged. Health condition is unlikely to reserve. Tree removal is recommended. Compensatory may required for the green loss.

**Attached Information 附夾資料**

(Maximum 20 attachments and total 40MB allowed 最多可容納20個附件並合計不多於40MB)  
Attachment: 附件 (Please double click the yellow area to get the related file 請雙擊黃色部份並選取相關附件)

Site Plan 場地平面圖 Add Site Plan    Delete Site Plan  
(At least 1 Site Plan is provide 最少提供一個場地平面圖)

1	Description 說明:
---	-----------------

Tree Photo 樹木相片 Add Tree Photo    Delete Tree Photo  
(At least 1 Tree Photo is provide 最少提供一個樹木相片)

1	Description 說明:
---	-----------------

Resistograph Chart 微鑽阻力測試 Add Resistograph Chart    Delete Resistograph Chart

1	Description 說明:
---	-----------------

Tomograph 聲納圖像 Add Tomography    Delete Tomography

1	Description 說明:
---	-----------------

Other Attachments 其他附件 (Please specific 請註明) Add Others    Delete Others

1	Subject Title 標題:
	Description 說明:

Note:  
Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement and relevant Technical Circulars promulgated on Development Bureau website  
www.trees.gov.hk  
請參閱發展局網頁www.trees.gov.hk 樹木管理辦事處的樹木風險評估安排及管理指引及相關技術通告





Our Ref : HK/2012/08/CDB/CA2/010474  
Your Ref :  
Date : 13 DEC 2019

034569

Ms. Gloria Tang  
Chief Resident Engineer

By Hand

AECOM Asia Co Ltd  
9 Performing Arts Avenue,  
Admiralty, Hong Kong

Dear Madam,

**Contract No.: HK/2012/08  
Wan Chai Development Phase II -  
Central – Wan Chai Bypass at Wan Chai West**

**Tree Transplanting at Tree Nursery from Contract No. HK/2009/02**

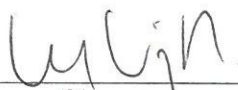
We refer to our previous letter ref. HK/2012/08/CDB/CA2/010153, HK/2012/08/CDB/SA06.01.02/010220, HK/2012/08/CDB/CA2/010387 and HK/2012/08/CDB/CA2/010441 dated 31 May 2019, 26 June 2019, 30 September 2019 and 23 November 2019 respectively regarding the captioned subject.

Referring to joint site inspection among our landscape subcontractor and ITS at Main Site and tree nursery at Hok Tau on 10 December 2019, ITS reported that tree no. T462 was found dead after the tree transplanted to Hok Tau. Enclosed please find the letter which prepared by ITS for your information and record.

To facilitate the completion of tree planting works for the contract, we would like to proposed the compensatory trees for your approval, the compensatory tree size and species are listed as follow:-

Tree ID	Tree Species	Overall Height
H08	Roystonea regia (王棕)	6m
H28	Roystonea regia (王棕)	6m
T462	Phoenix hanceana (刺葵)	6m
T466	Phoenix hanceana (刺葵)	6m

Yours faithfully,  
For and on behalf of  
China State – Build King Joint Venture

  
George Cheung  
Site Agent

Encl.

c.c. AAAL – H.O.

GC/KL/MKC/klc



Tel: (852) 9272-0894

Fax : (852) 3020-6661

Email: info@treeandlandscape.com.hk

**By E-mail**

11 December 2019

**Our Ref: TL-CWCB-002**

**China State – Build King Joint Venture**  
Contract HK/2012/08 Site Office  
Lung Wui Road Next to Fleet Arcade  
Admiralty, HK

Attn: Mr. George Cheung

Dear Sirs,

**Contract No.: HY/2012/08- Wan Chai Development Phase II**  
**Re: Trees in Holding Nursery at Hok Tau (3 Palm Trees)**

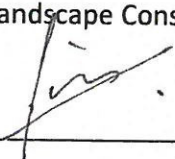
Refers to DLO's letter (ref. (54) in LD DLO/HE 704/EHGS/12 II) dated 3 December 2019, I hereby write to update the status of 3 palm trees which was reported "Poor" in previous tree report on 7 Aug 2019 as follow:-

Tree ID	Species	DBH	Size (Ht x Spd)	Health condition	Status as of Dec 2019
T462	<i>Phoenix hanceana</i> (刺葵)	300mm	5m x 0m	Dead	To be removed
T464	<i>Phoenix hanceana</i> (刺葵)	320mm	5m x 1m	Health condition is acceptable and suitable for transplanting after applying pesticide	Transplanted from Hok Tau Nursery to receptive location
T466	<i>Phoenix hanceana</i> (刺葵)	300mm	4m x 0m	Dead	To be removed

Enclosed herewith the photo records of the above palm trees for your information. Compensatory planting is required to compensate tree loss.

Your faithfully,

For and on behalf of  
Tree and Landscape Consultancy Ltd.

  
\_\_\_\_\_  
Lois Poon  
Independent Tree Specialist

Encl.



T462- *Phoenix hanceana* (刺葵)



The tree is dead. Tree removal and compensatory planting is required.

T464- *Phoenix hanceana* (刺葵)



Health condition improved and was transplanted to receptive location



T466 -*Phoenix hanceana* (刺葵)



The tree is dead. Tree removal and compensatory planting is required.



Your Ref :  
Our Ref : WDII/(HK/2012/08)/C35/700/R16789

11 July 2019

The Agent  
China State – Leader Joint Venture  
29/F, China Overseas Building  
139 Hennessy Road  
Wan Chai  
Hong Kong

Dear Sir,

**Contract No. HK/2012/08**  
**Wan Chai Development Phase II –**  
**Central – Wan Chai Bypass at Wan Chai West****Arrangement of Compensatory Trees at C3 Nursery**

According to your latest monthly report of transplanted trees in your holding nursery under your letter ref. HK/2012/08/CS1.01/06/007891 dated 18 June 2019, 35 nos. of tree are transplanted to your holding nursery and 7 of which were reported as dead in the nursery due to the reasons stated in the said report.

The remaining 28 nos. of trees at your nursery (i.e. 35 – 7) are reviewed by LCSD, who commented that the following 3 nos. of trees are required to be felled due to poor form:-

No.	Tree No.	Botanical Name	Chinese Common Name
1	T0604	Bombax ceiba	木棉
2	T0619	Melaleuca cajuputi subsp. cumingiana	白千層
3	T0620	Ficus virens	大葉榕

Thus, a total of 10 nos. of trees (i.e. 7 + 3) are required to be compensated by you at your own expense according to G.S. Clause 3.97 (3). These 10 nos. of compensatory trees are to be planted at the locations as shown in the enclosed Site Sketch No. 60041297/C3/SSK2548.

.../Cont'd

Your Ref :

Our Ref : WDII/(HK/2012/08)/C35/700/R16789

The remaining 25 nos. transplanted trees (i.e. 28 – 3) being maintained at your nursery are to be transplanted to locations as stated in my prior letter ref. R16509 dated 25 April 2019.

Yours faithfully,



Gloria Tang  
Engineer's Representative  
Chief Resident Engineer  
AECOM Asia Co. Ltd.

Encl.

c.c. AACL – Attn: Mr. Francis Leong

GT/TJK/WT/IL/kw



## Appendix IV

### Horticultural Year Plan

---

Contract No. HK/2012/08

Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West

Landscape Works for Main Site Tree and Remaining Planter

Work Description	2019	2020										
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Watering*	3-4 times per week and according to weather condition											
Weeding/Site Clearance	TW	TW	TW	TW	TW	TW	TW	TW	TW	TW	TW	TW
Fertilizing				●				●				●
Firming up/Tree ties	When necessary or requested by Landscape Architect											
Aeration				●	●					●	●	
Checking & Adjusting of Tree Ties	M	M	M	M	M	M	M	M	M	M	M	M
Checking Climber Adjustment	M	M	M	M	M	M	M	M	M	M	M	M
Pruning	When necessary or requested by Landscape Architect											
Grass Cutting	When necessary or requested by Landscape Architect											
Disease and insect pest control	When necessary or requested by Landscape Architect											
Proection and drainange	When necessary or requested by Landscape Architect											
Post Typhoon Inspection and Remediation	Inspection conducted 2 hours after release of typhoon signal no. 8 or above, remedial work carried out within 3 days											

Note: D-Daily, W-Weekly, TW-Twice a week, F-Fortnightly, M-Monthly, BM-Bimonthly, Q - Quarterly, BA-Biannually, Y-Annually

\*Watering until the soil profile reached saturation.

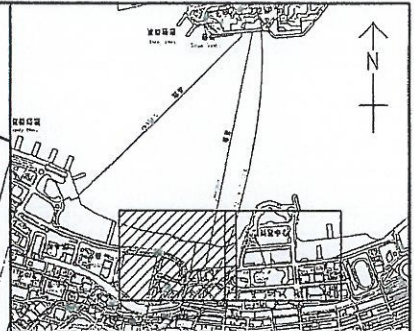
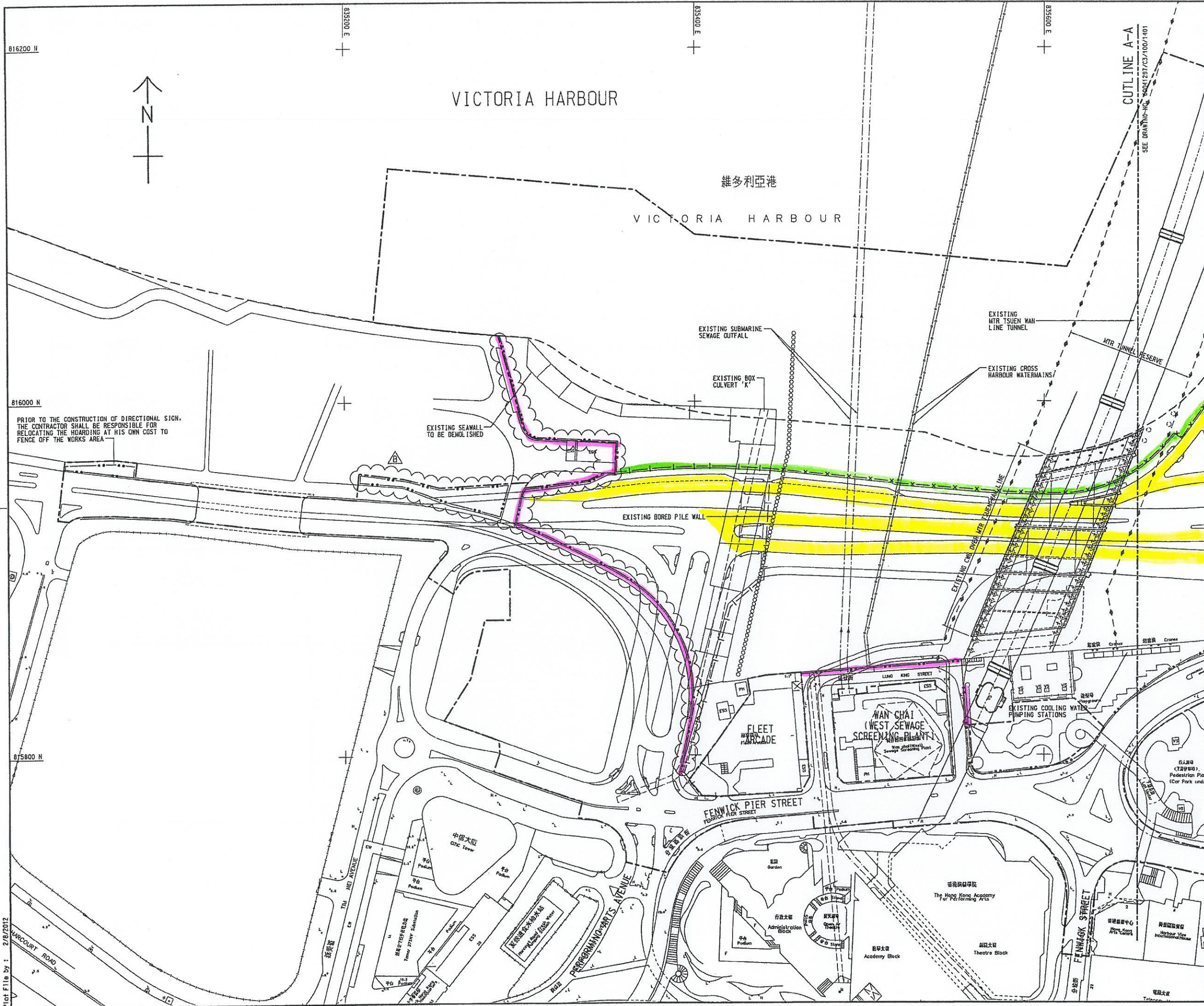
Remarks: This year plan is for reference only. Frequency and extent of horticultural maintenances vary based on site condition.



## Appendix V

### Location Plan of Decorative Screen Hoarding





KEY PLAN  
SCALE 1 : 20000

- NOTES:**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO. 60041297/C3/100/1400 TO 1404.
  - ALL HOARDING ALIGNMENT/SETTING OUT SHOWN ON THE DRAWINGS ARE TENTATIVE ONLY. THE CONTRACTOR SHALL SUBMIT PROPOSED HOARDING PLANS PHASE BY PHASE SHOWING THE HOARDING INCLUDING STREET FURNITURE, DETAILS OF ANY PROPOSED TEMPORARY VEHICULAR ACCESS AND POST HOLES, EXISTING TRAFFIC SIGNS OR TRAFFIC PROVISIONS (E.G. BUS LANES, TAXI RANKS, BUS STOPS AND PEDESTRIAN CROSSINGS) AND EXISTING TREES, AS WELL AS OTHER RELEVANT INFORMATION FOR THE ENGINEER'S AGREEMENT/COMMENT AT LEAST ONE MONTH BEFORE THE ERECTION OF HOARDING.
  - THE CONTRACTOR SHALL DESIGN, SUPPLY AND ERECT THE HOARDING WITH GATE OR HOARDING WITH FULL/PARTIALLY TRANSPARENT PANELS AND GATE AS AGREED BY THE ENGINEER TO SUIT EXISTING CONDITIONS.
  - THE DETAILS OF HOARDING SHALL REFER TO LATEST VERSION OF CEDD STANDARD DRAWING NOS. 1004/1N, 1004/2H AND 1004/3H ALONG PERIMETER OF THE SITE.
  - THE GRAPHIC AND ARTWORK SHOWN ON DRAWING NOS. 60041297/C3/100/1402 AND 1403 ARE FOR REFERENCE ONLY.
  - THE EXACT LOCATION OF GATE(S) FOR SITE ENTRANCE SHALL BE AGREED WITH THE ENGINEER AND RELEVANT GOVERNMENT AUTHORITIES, ON SITE PRIOR TO ERECTION. THE DETAILS OF GATE SHALL REFER TO LATEST VERSION OF CEDD STANDARD DRAWING NO. C1007A OR C1008A.
  - ANY MODIFICATION OF STANDARD DRAWING TO SUIT EXISTING CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER FOR COMMENTS.
  - TRAFFIC SIGN & SIGNALS SHALL NOT BE OBTUSCED.
  - TRANSPORT DEPARTMENT SHALL BE APPROACHED ON NECESSARY REMOVAL OF STREET FURNITURE, TRAFFIC SIGNS, SIGNALS, MARKINGS, BUS STOPS, PARKING SPACES, ETC. WITH ADVANCE NOTICE.
  - NO VEHICLE WILL REVERSE ONTO/FROM PUBLIC ROAD.
  - LOADING/UNLOADING WILL BE CONFINED WITHIN SITE.
  - VEHICLES WILL NOT BE PLANNED TO QUEUE ON PUBLIC ROAD.
  - ALL SETTING OUT DIMENSION TO BE CONFIRMED ON SITE.
  - NO PART OF THE HOARDING IS SITED ON A CARRIAGEWAY UNLESS APPROVAL BY RELEVANT AUTHORITIES/DEPARTMENT.
  - THERE WILL BE NO OBSTRUCTION ON THE EXISTING DRAINAGE CHANNELS AND GULLIES OF THE ROAD.
  - NO RESTING/REMOVAL OF ANY TRAFFIC LIGHT, BUS LANES, BUS STOPS OR PEDESTRIAN CROSSINGS IS NECESSARY.
  - DETAILS OF RUN-IN FOR SITE ENTRANCE SHALL REFER TO LATEST VERSION OF HIGHWAYS DEPARTMENT STANDARD DRAWINGS NOS. H1113B AND H1114A.
  - ALL HOARDING SHALL BE REMOVABLE TYPE OR AS AGREED BY THE ENGINEER.
  - PHASES 1, 2 AND 3 HOARDING SHALL BE IMPLEMENTED TO SUIT THE CONTRACTOR'S CONSTRUCTION SEQUENCE AND AS DIRECTED BY THE ENGINEER.
  - SHOULD ANY PART OF FOOTPATH BE AFFECTED BY THE PROPOSED HOARDING, MIN. 1.5M WIDTH OF FOOTPATH SHALL BE MAINTAINED AT ALL TIME.

B	TENDER ADDENDUM NO.5	CYKY WHL	AUG 12
A	TENDER ADDENDUM NO.3	CYKY WHL	JUL 12
-	TENDER DRAWING	CYKY WHL	MAY 12
REV.	DESCRIPTION	DATE	DATE

**WAN CHAI DEVELOPMENT PHASE II**  
 WAN CHAI DEVELOPMENT PHASE II -  
 CENTRAL - WAN CHAI BYPASS AT WAN CHAI WEST

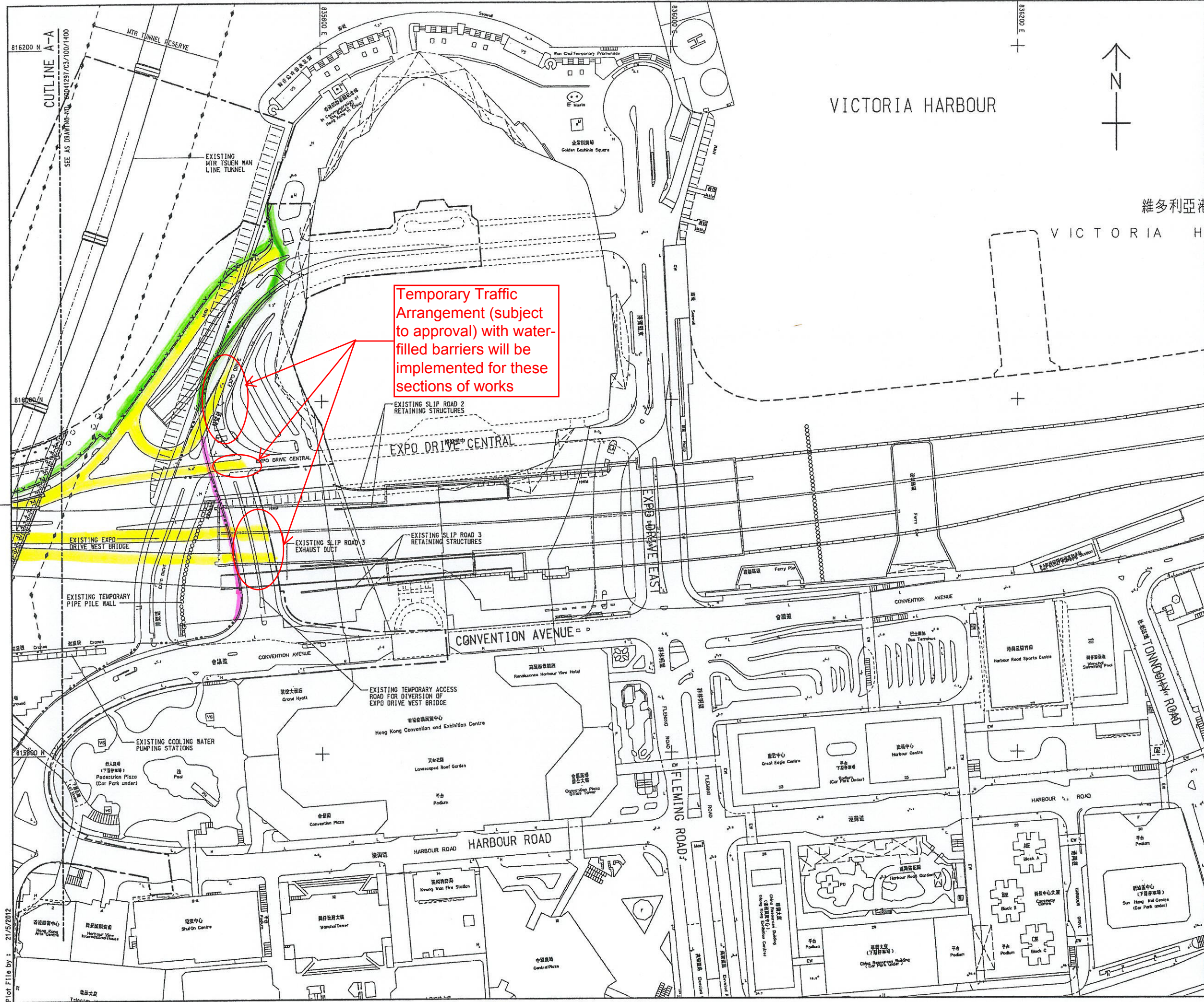
**HOARDING PLAN**

SHEET 1 OF 2

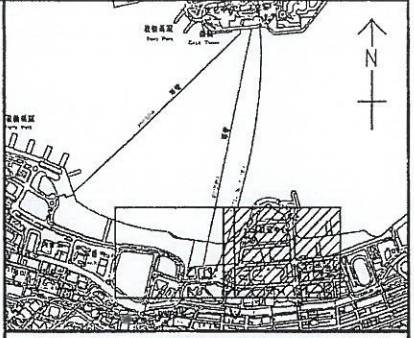
DRG.NC.	60041297/C3/100/1400B
DESIGNED BY	ST
CONTRACT NO.	HK/2012/08
APPROVED BY	TKH
STATUS	FOR CONSTRUCTION
SCALE	A1 1:1000
UNITS	METRES
© COPYRIGHT RESERVED	

PRIOR TO THE CONSTRUCTION OF DIRECTIONAL SIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING THE HOARDING AT HIS OWN COST TO FENCE OFF THE WORKS AREA.







VICTORIA HARBOUR




KEY PLAN  
SCALE 1 : 20000

NOTES:  
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO. 60041297/C3/100/1400, 1402 TO 1404.

 Temporary Traffic Arrangement with water-filled barriers

 Project Works Area under FEP-02/376/2009

 Hoarding arrangement which is subject to change as works progress

TENDER DRAWING	CYKY MHL MAY 12
DESIGNER	DATE
CHECKER	DATE

WAN CHAI DEVELOPMENT PHASE II  
WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT WAN CHAI WEST  
HOARDING PLAN  
SHEET 2 OF 2

DRGNO. 圖紙編號	60041297/C3/100/1401
DESIGNED BY 設計	ST
CONTRACT NO. 合約編號	HK/2012/08
APPROVED BY 校核	TKH
SCALE 比例	A1 1:1000
UNITS 單位	METRES

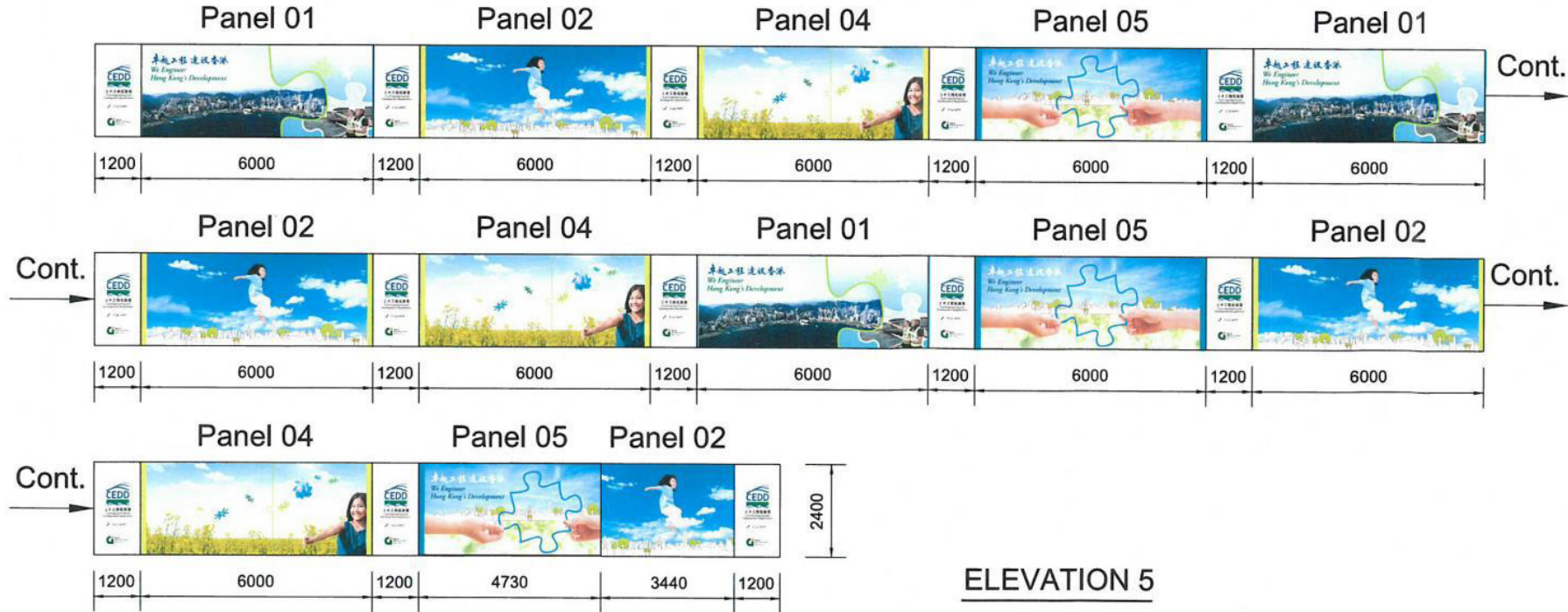
Plot File by : 21/05/2012

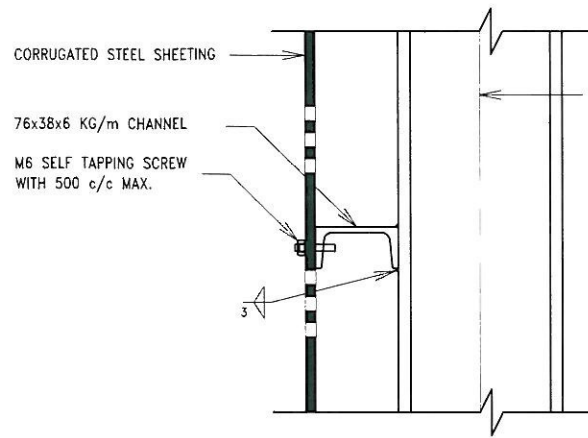


## Appendix VI

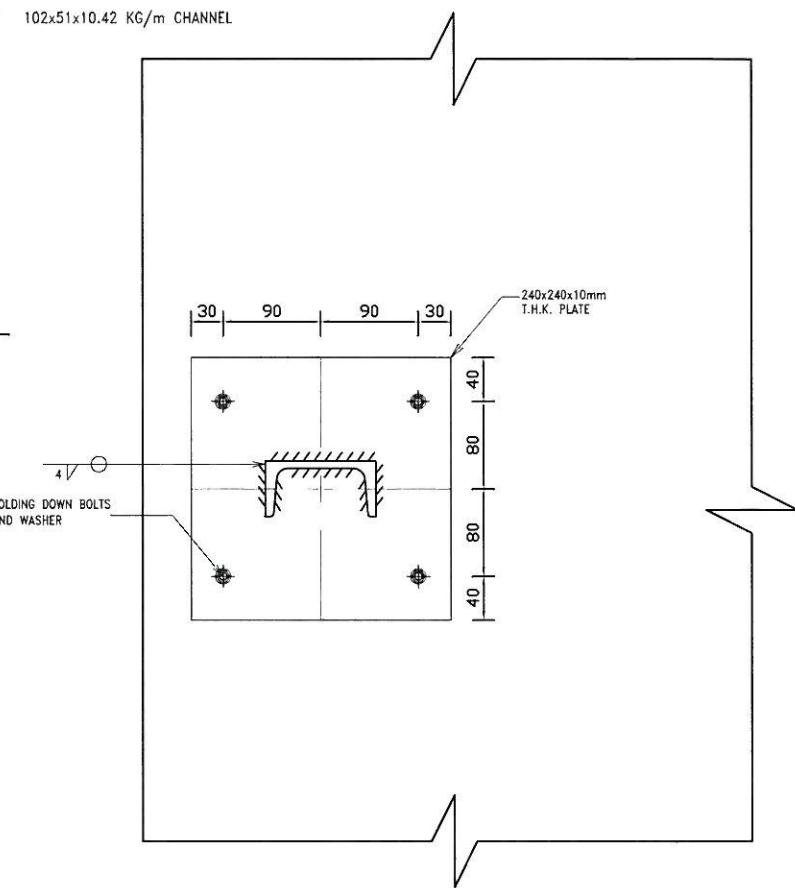
### Graphic Panels for Decorative Screen Hoarding and Its Fixing Detail

Typical Panels with Graphics and Artworks

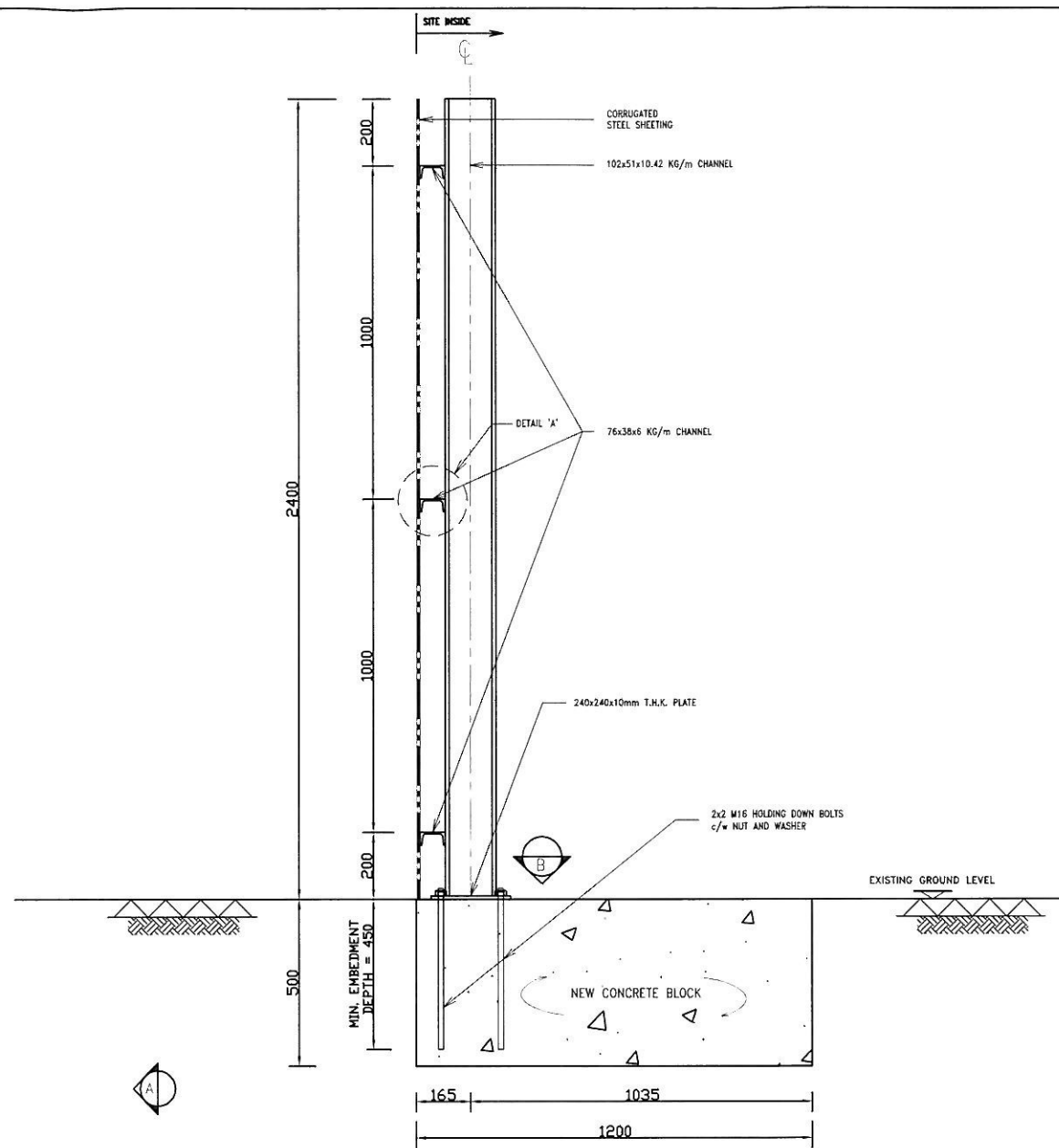




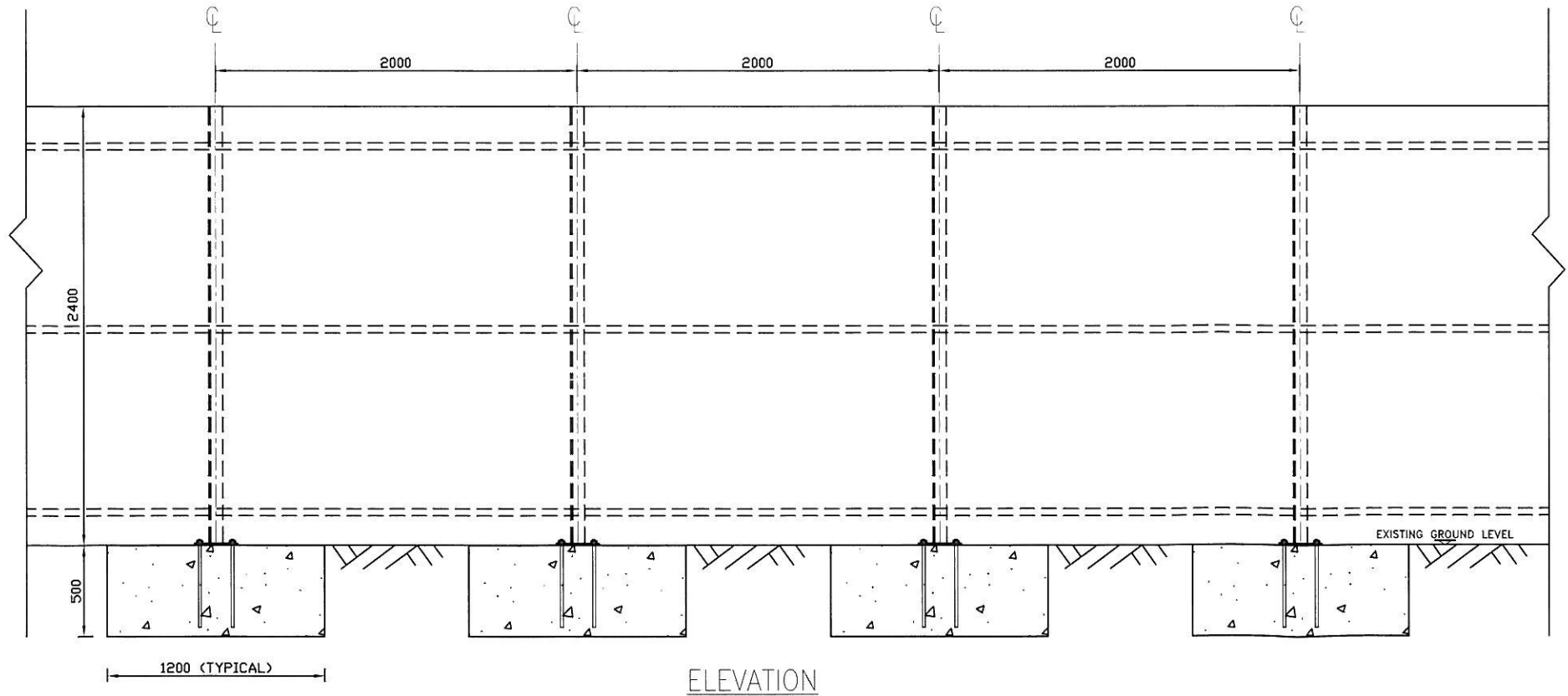
DETAIL A



SECTION B-B



SECTION A-A



ELEVATION

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & STRUCTURAL DRAWINGS.
  - ALL DIMENSIONS SHOWN ARE IN MILLIMETRE.
  - ALL WORKS OF HOARDING SHALL COMPLY WITH HONG KONG BUILDING (CONSTRUCTION) REGULATION - 1990. DESIGN SHALL COMPLY WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2005.
  - DESIGN WIND PRESSURE IS TO BE 37% OF 1.82kPa FOR WIND PRESSURE (37% OF DESIGN WIND PRESSURE GIVEN IN TABLE 1 OF THE CODE OF PRACTICE ON WIND EFFECTS IN HONG KONG 2004). TOTAL PRESSURE COEFFICIENT (Cp) IS TO BE ±1.4.
  - ALLOWABLE BEARING CAPACITY OF SOIL SHALL BE 100kPa (WITHOUT WIND) AND 125 kPa (WITH WIND).
  - STRUCTURAL CONCRETE SHALL BE GRADE 200/20 COMPLIES WITH CS:1990.
  - UNLESS SHOWN OTHERWISE, CONCRETE COVER TO ALL REINFORCEMENT BELOW FINISHED GROUND LEVEL IS 50mm.
  - UNLESS OTHERWISE SPECIFIED, STEEL SECTION TO BE GRADE S275 TO BS EN 10025:2004.
  - ALL FILLET WELDS TO BE 4mm UNLESS OTHERWISE SPECIFIED.
  - 75mm BLINDING LAYER OF GRADE 15/20 TO BE PLACED UNDERNEATH FOOTING.
  - BOLTS AND NUTS SHALL BE GRADE 4.6 IN COMPLY WITH BS 4190:2001

REVISIONS		INITIAL AND DESIGNATION		
NO	DESCRIPTION AND DATE	DWN	CAD	AUTH

	NAME AND DESIGNATION	INITIAL	DATE
AUTHORISED	(ICE)		18.3.13
CHECKED	DANNY LAM (DM)		18.3.13
DRAWN	CHAN JAMES (ADM)		18.3.13

PROJECT: WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT HONG KONG CONVENTION AND EXHIBITION CENTRE

CONTRACT NO: HK/2012/08

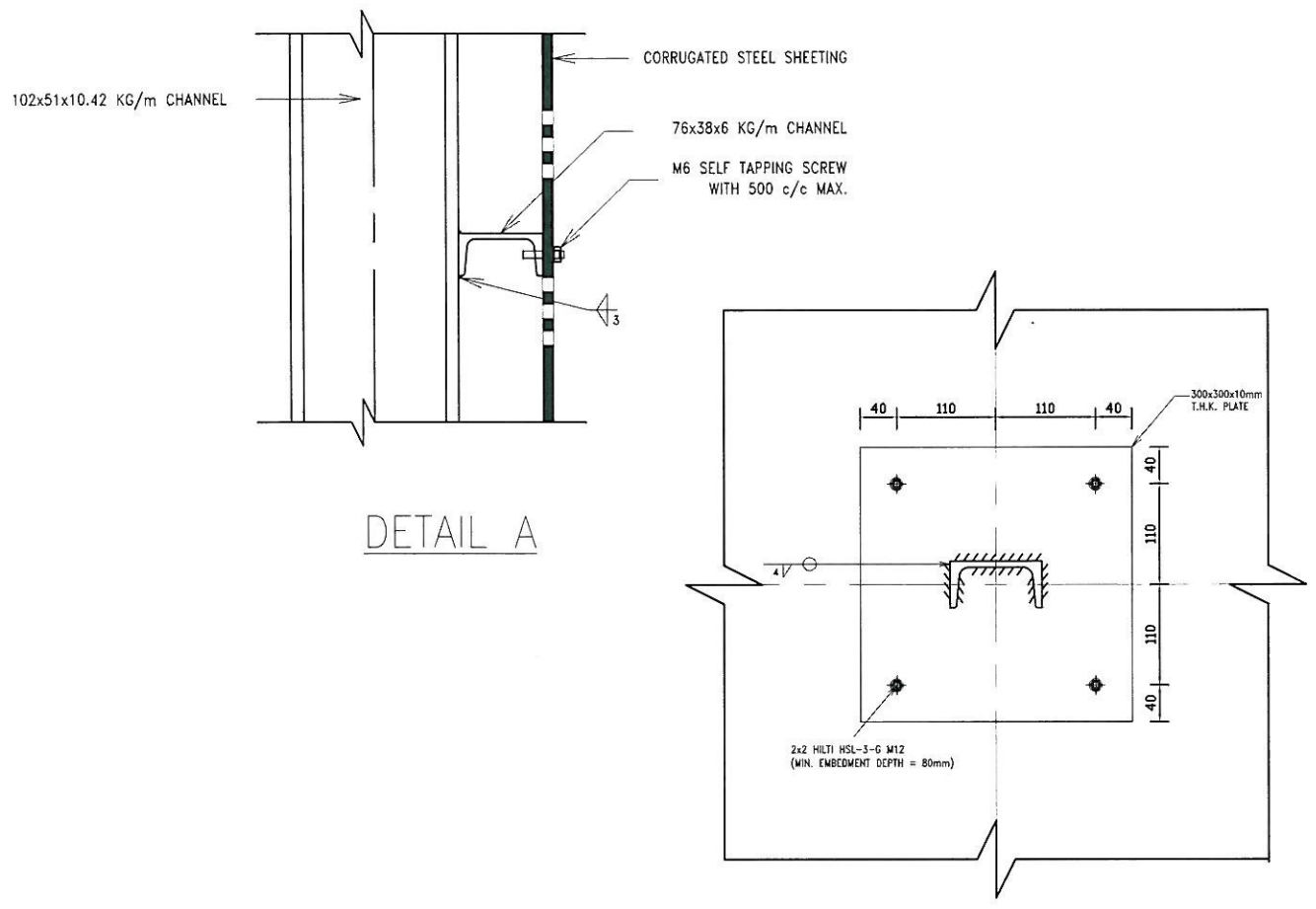
CONTRACTOR: 中國建築-利達聯營 CHINA STATE - LEADER JOINT VENTURE

DRG. NO: HK\_2012\_08/CDB/SK/00018

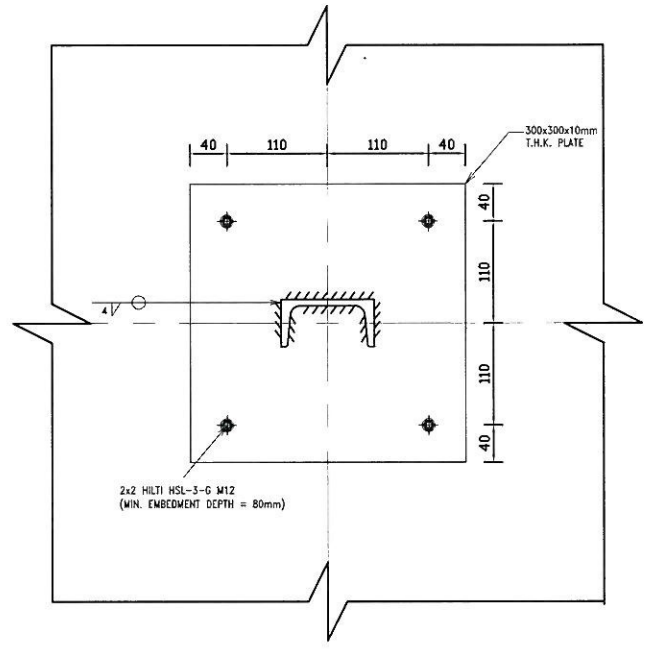
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SCALE: AS SHOWN

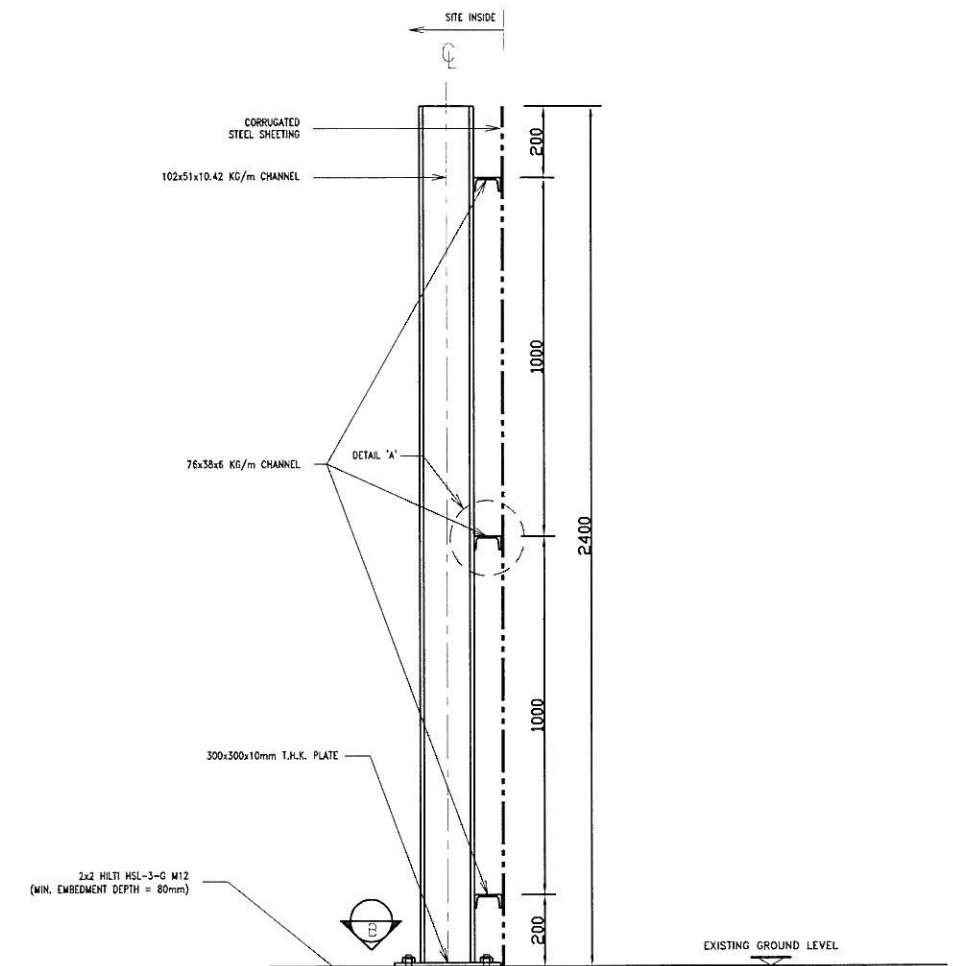
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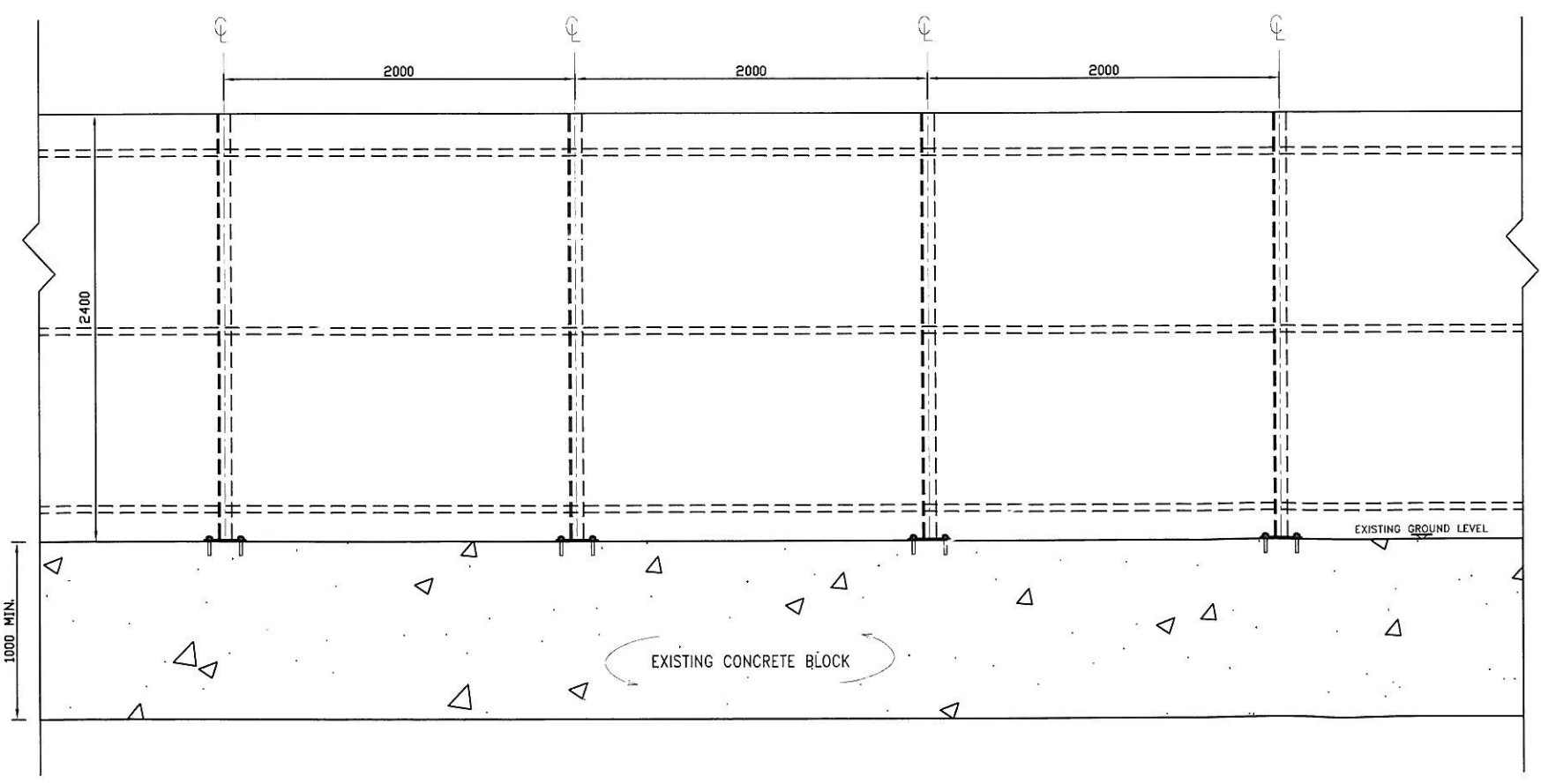
DETAIL A



SECTION B-B



SECTION A-A



ELEVATION

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH HK\_2012\_08/CDB/SK/00018.
2. ALL DIMENSIONS SHOWN ARE IN MILLIMETRE.
3. EXISTING CONCRETE SHALL BE GRADE 20D/20.
4. ANCHOR BOLTS SHALL BE HILTI HSL-3-G M12 AND INSTALLED IN COMPLIANCE WITH MANUFACTURERS' RECOMMENDATION & SPECIFICATIONS. TEST LOAD FOR BOLTS SHALL BE 27.15KN.

REVISIONS

REVISIONS		INITIAL AND DESIGNATION		
NO.	DESCRIPTION AND DATE	OWN	CHKD	AUTH

	NAME AND DESIGNATION	INITIAL	DATE
AUTHORISED	(ICE)		18.3.13
CHECKED	DANNY LAM (DM)		18.3.13
DRAWN	CHAN JAMES (ADM)		18.3.13

PROJECT WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT HONG KONG CONVENTION AND EXHIBITION CENTRE

CONTRACT NO. HK/2012/08

CONSULTANT

CONTRACTOR  

 中國建築-利達聯合  
 CHINA STATE-LEADER JOINT VENTURE

DRG. NO. HK\_2012\_08/CDB/SK/00019 REV -

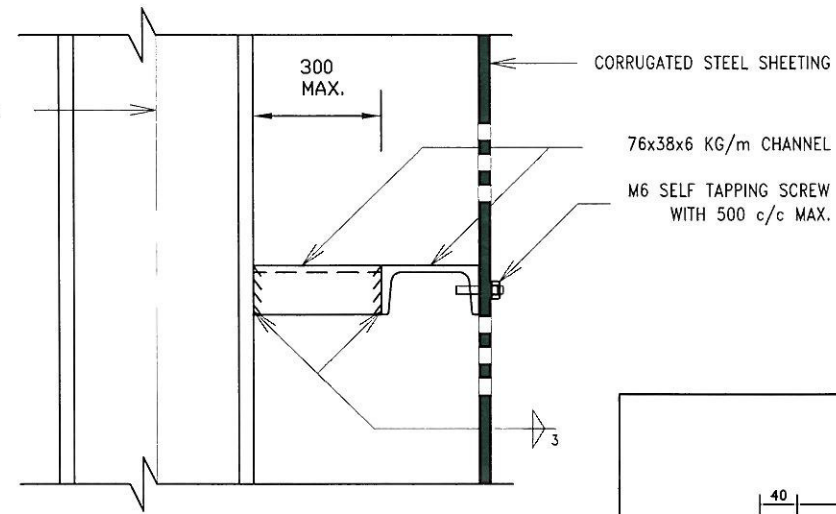
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SCALE AS SHOWN

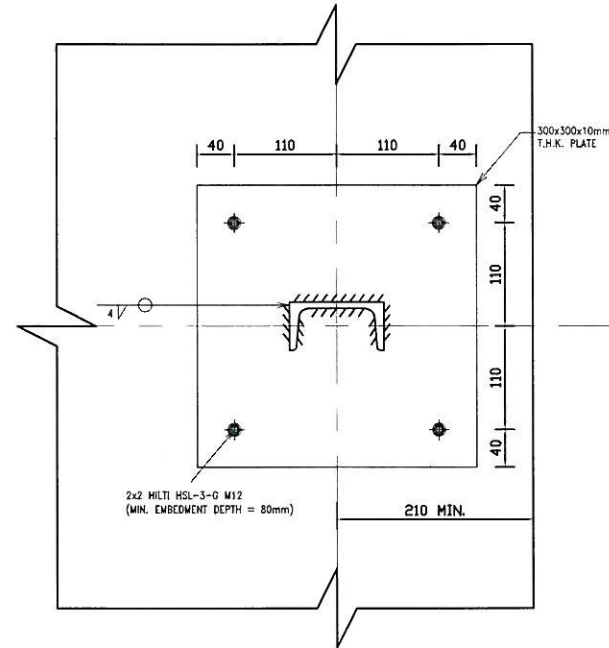
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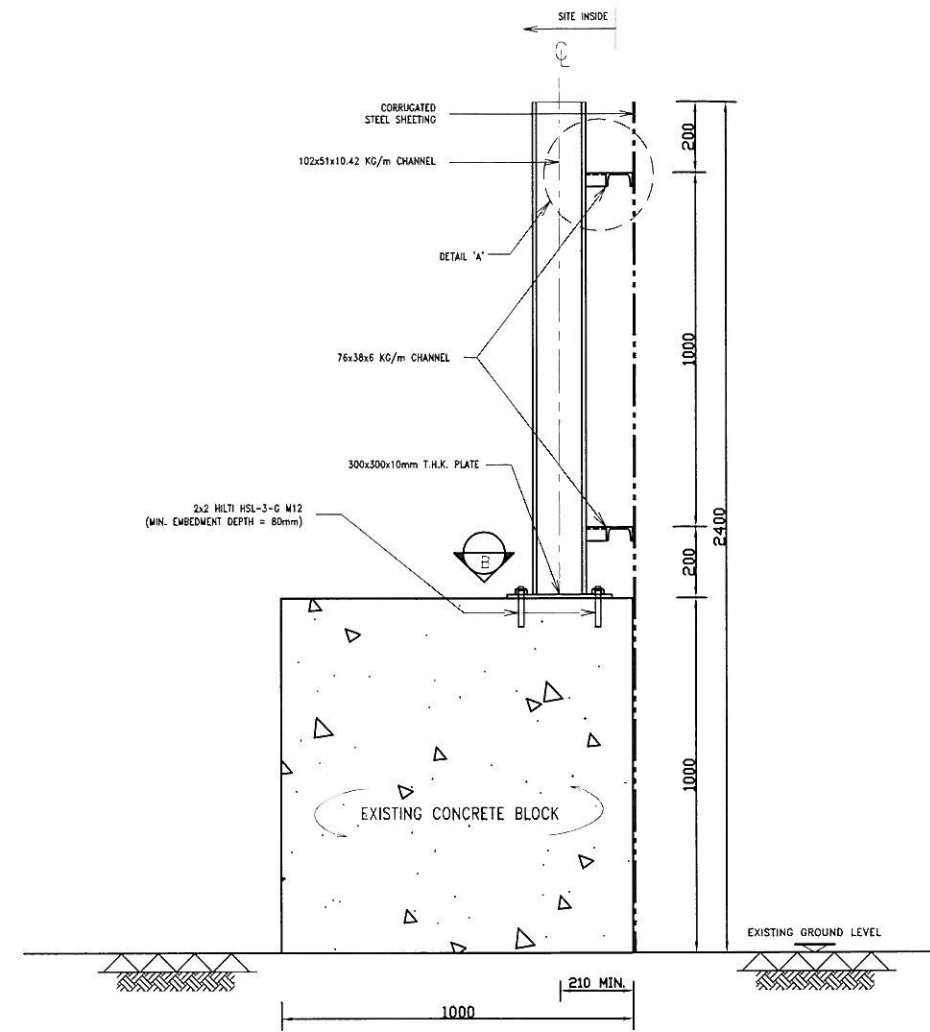
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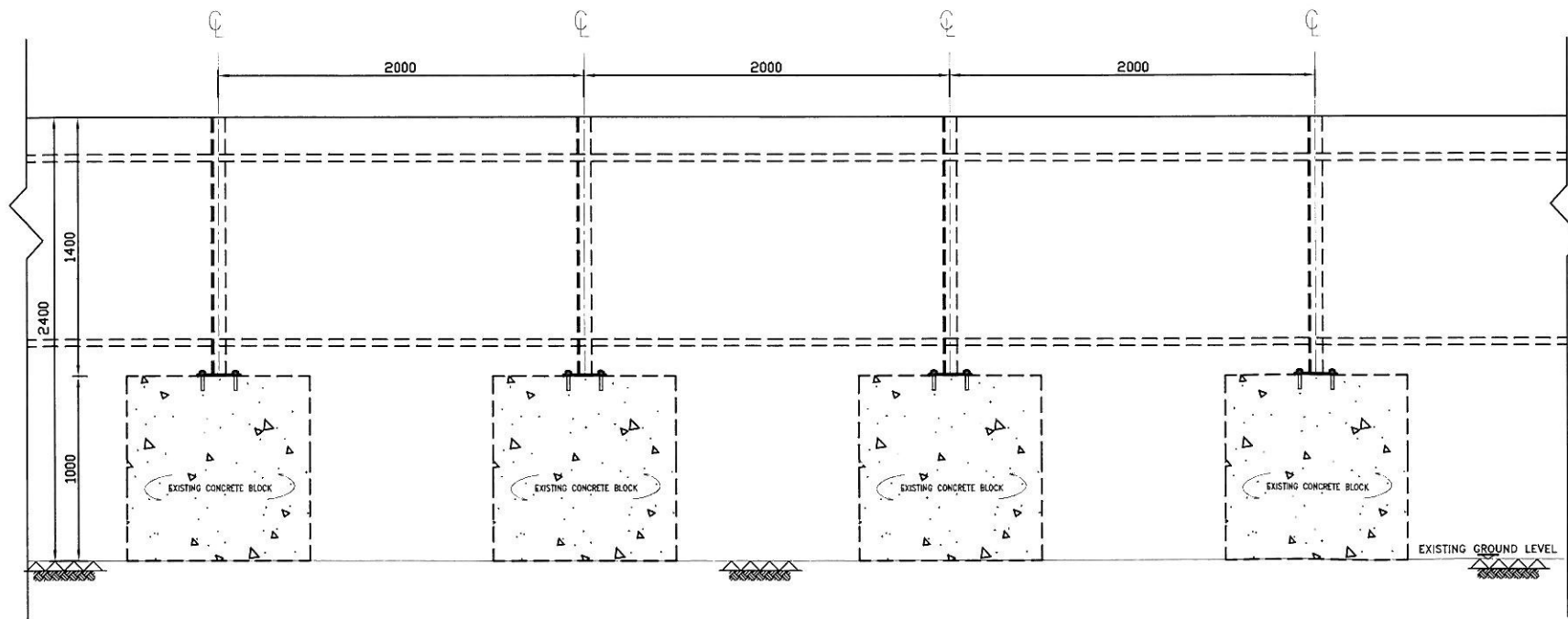
DETAIL A



SECTION B-B



SECTION A-A



ELEVATION

NOTES

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REVISIONS


NO.	DESCRIPTION AND DATE	INITIAL	CHK	AUTH

	NAME AND DESIGNATION	INITIAL	DATE
AUTHORISED	(ICE)		18.3.13
CHECKED	DANNY LAM (DM)		18.3.13
DRAWN	CHAN JAMES (ADM)		18.3.13

PROJECT WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT HONG KONG CONVENTION AND EXHIBITION CENTRE

CONTRACT NO. HK/2012/08

CONSULTANT

CONTRACTOR  


DRG. NO. HK\_2012\_08/CDB/SK/00020 REV -

DRG. TITLE  
 TYPE 'C' HOARDING

SCALE AS SHOWN

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