



俊和 - 中國中鐵聯營
CHUN WO - CRGL JOINT VENTURE

Our reference : CWCRGLJV/573/7048-2012

20 November 2012

Environmental Protection Department
The EIA Ordinance Register Office,
27/F, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong

Attn: Mr. Raymond L. Y. Lai - Environmental Protection Officer

Dear Sirs,

Contract No. HK/2009/02
Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East
Further Environmental Permit – No.: FEP - 01/364/2009
Submission of Landscape Plan (rev B)

Pursuant to the FEP-01/364/2009 Part C (Permit Conditions) Clause 2.11, we are pleased to submit herewith the following documents for your perusal:

1. Landscape Plan (4 Hard Copies and 1 Electronic Copy);
2. Letter of Certification from Environmental Team (Lam Geotechnics Limited); and
3. Letter of Verification from Independent Environmental Checker (ENVIRON Hong Kong Limited).

Should you have any query, please do not hesitate to contact our Mr C P Ho at 9191-8856.

Your attention to this matter is fully appreciated.

Yours faithfully,
For and on behalf of
Chun Wo-CRGL Joint Venture

Chan Sing Cho
Deputy Project Manager

Encl. as stated

c.c. CEDD – Patrick Keung
AECOM – CRE – Gloria Tang
Lam – ET - Raymond Dai
Environ – IEC - David Yeung
AACL - HO

SCC/JS/JP/CPH/ym



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CHUN WO - CRGL JOINT VENTURE

Contract No. HK/2009/02
Wan Chai Development Phase II
Central - Wan Chai Bypass at Wan Chai East
Landscape Plan

Landscape Plan

Pursuant to the Further Environmental Permit

FEP-01/364/2009

(Revision B)

Revision: B

Date: 8 Nov 2012

Prepared By:

Environmental Officer
C P Ho

Approved By:

Deputy Project
Manager
Chan Sing Cho



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I	Master Checklist for the Implementation Schedule



1.0 Introduction

Pursuant to the Further Environmental Permit (No. FEP-01/364/2009) Part C Special Conditions Clause 2.11, Landscape Plan is developed by Permit Holder (Chun Wo - CRGL Joint Venture (CW-CRGL)) to demonstrate the details, locations, implementation programme, maintenance, management schedules and drawings of the landscape and visual mitigation measures to reduce the effects arising from the construction of the Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East that may have on the landscape character and visual amenity. Layout plan that shows the contract site boundary is attached in Appendix A.

Great Eagle Centre (C25) and Harbour Centre (C26) are the key Visual Sensitive Receivers (VSRs) that will be affected during the Construction Phase. C25 and C26 are mapped in Appendix B.

As the Master Greening Plan is not part of the scope for this project, further notification will be issued for any up-to-date information to the Environmental Protection Department.

In this contract, CW-CRGL JV is responsible for implementing a series of "Construction Phase Landscape and Visual Mitigation Measures" as stipulated in the approved CWB&IECL EIA Report (Register No. AEIAR-041/2001) and the WDII&CWB EIA Report (Register No. AEIAR-125/2008).

The mitigation measures are summarised as below.

Landscape and Visual Mitigation Measures	Requirements in EIA Report AEIAR-041/2001	Requirements in EIA Report AEIAR-125/2008	Provisions in Landscape Plan
Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Table 7.5 item 4	Table 10.5 CM1	Section 2.0
Existing trees to be retained on site should be carefully protected during	Table 7.5 item 3	Table 10.5 CM2	Section 2.0



construction			
Trees unavoidably affected by the works should be transplanted where practical	Table 7.5 item 4	Table 10.5 CM3	Section 2.0
Compensatory tree planting should be provided to compensate for felled trees	Table 7.5 item 4	Table 10.5 CM4	Section 2.0
Control of night-time lighting	Table 7.5 item 2	Table 10.5 CM5	Section 4.0
Erection of decorative screen hoarding compatible with the surrounding setting	Table 7.5 item 1	Table 10.5 CM6	Section 3.0

The mitigation measures are in compliance with relevant requirements in EIA Reports.

The measures will be implemented in Construction Phase, while, “Operation Phase Landscape and Visual Mitigation Measures”, as mentioned in EIA Reports, will be carried out by other contractors under separate contracts.

2.0 Landscape Works

2.1 General

- Location Plans for overall trees to be retained, to be fell and to be transplanted are attached as Appendix C;
- Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical; and
- Proposal and compensation schemes will be submitted to relevant government department(s) for approval and implemented accordingly upon receipt of approval.
- Tree survey reports, that associated with the tree transplantation, tree felling and tree preservation, should be submitted to the consultant and subject to their approval. All the information should be processed by the consultant to the government’s department.
- All the compensatory planting aspect that listed in AEIAR-041/2001 should be subject to the further advice from the consultant.

2.2 Tree Preservation and Protection

- Existing trees to be retained on site should be carefully protected during construction; and
- The Method Statement for Retain Trees is attached as Appendix D.



2.3 Tree Transplanting

- Trees unavoidably affected by the works should be transplanted where practical;
- The Method Statement for Transplanting of Existing Trees is attached as Appendix E; and
- Layout plan of holding nursery is attached in Appendix F.

3.0 Erection of Decorative Screen Hoarding

3.1 Sources of Landscape Impacts

Sources of impacts in the construction phase would include:

- The physical reclamation itself;
- Construction of new buildings, including Salt Water Pumping Station, Cooling Water, Pumping Stations;
- Construction of the Wan Chai East Sewage Outfall (DP5) and the pipe;
- Construction of noise barriers/screening/semi-enclosures;
- Construction of landscape decks;
- Construction traffic;
- The laying down of utilities, including water, drainage and power;
- Temporary site access areas, site cabins and heavy machinery;
- Construction site traffic on the reclamation;
- Increased road traffic congestion;
- After dark lighting and welding; and
- Dust during dry weather.

3.2 Location, Design and Fixing Details of Hoarding

The location and the graphic panels for decorative screen hoarding and its fixing details are demonstrated as Appendix G and H representatively.

4.0 Control of Night-time lighting

4.1 Sources of Impacts

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



- Dredging and reclamation;
- Construction of the Wan Chai East Sewage outfall and the pipe;
- The laying down of utilities, including water, drainage and power; and
- Improvement of road works.

4.2 Control Measures

- Any night-time work that needs to be conducted will be carefully planned to minimize the amount of unnatural light that would be needed;
- The use of equipment headlights/lighting will be first evaluated to determine sufficiency based on the task and to minimize the use of portable light plants;
- Lighting will be directed towards work areas and away from neighboring properties;
- Proper siting and careful layout of construction activities should reduce a potential lighting exceedance;
- In the event the portable light plants are used, they will be aimed away from residential areas and used sparingly when needed. The light plant masts will also be kept at distances that would minimize the emission of light into the community, while still providing a safe work environment for employees involved in the task; and
- In addition use of vegetative and landscape buffers and other site and project elements will be used;

5.0 Implementation Program, Maintenance and Management Schedule

5.1 Implementation Programme

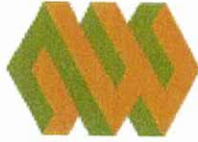
Item	Mitigation Measures	Location / Timing
A.	Retain, protect and transplant of trees	All Works Area and Construction Period
B.	Erect of Decorative Screen Hoarding	All Works Area and Construction Period
C.	Control of Night-Time Lighting	All Works Area and Construction Period



5.2 Maintenance and Management Schedule

Item	Maintenance and Management Schedule
A.	<ul style="list-style-type: none">● Tree protection measures will be provided daily and checked by tree supervisor routinely; and● Tree transplanting works will be carried out by independent tree specialist and experienced sub-contractor under the supervision of consultant and main contractor; and● Transplanted trees will be look after by and monitored by experienced sub-contractor.
B.	<ul style="list-style-type: none">● Daily cleaning will be provided to prevent accumulation of debris along the site boundary area and a weekly inspection will be carried out to maintain the apparent quality of the hoarding; and● If any damage has been found, repairing works will be done as soon as possible for the affected hoarding panels.
C.	<ul style="list-style-type: none">● Designated site personnel will control and monitor the lighting impact during night-time construction work; and● Light plants will be repositioned, redirected, lowered or shielded immediately if any public concern or complaint received.

Master checklist for the implementation schedule is attached as Appendix I.



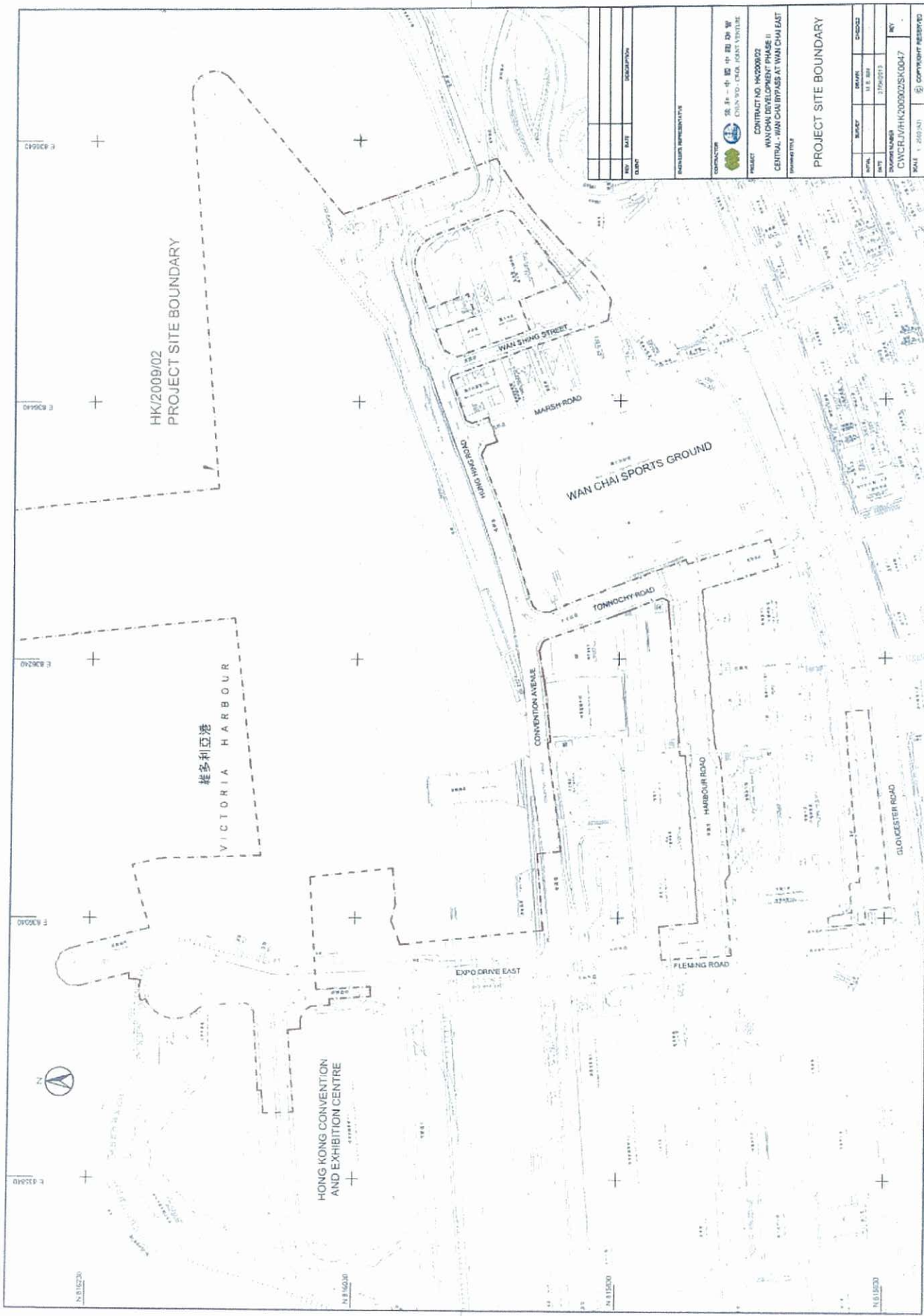
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LANDSCAPE PLAN

Appendix A

Project's Site Boundary



HK/2009/02
PROJECT SITE BOUNDARY

維多利亞港
VICTORIA HARBOUR

HONG KONG CONVENTION
AND EXHIBITION CENTRE

WAN CHAI SPORTS GROUND

REV	DATE	DESCRIPTION

SCALE REPRESENTATIVE	
CONTRACTOR	榮華 - 中國 中國地產 CHINA HO - CHINA ESTATE VENTURE
PROJECT	CONTRACT NO. HK200902 WAN CHAI DEVELOPMENT PHASE II CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST
DESIGNED BY	
CHECKED BY	
DATE	27/05/2013
PROJECT NUMBER	CNCR/16/HK/2009/02/SK/0047
SCALE	1:250 (A1)
	© COPYRIGHT RESERVED

PROJECT SITE BOUNDARY

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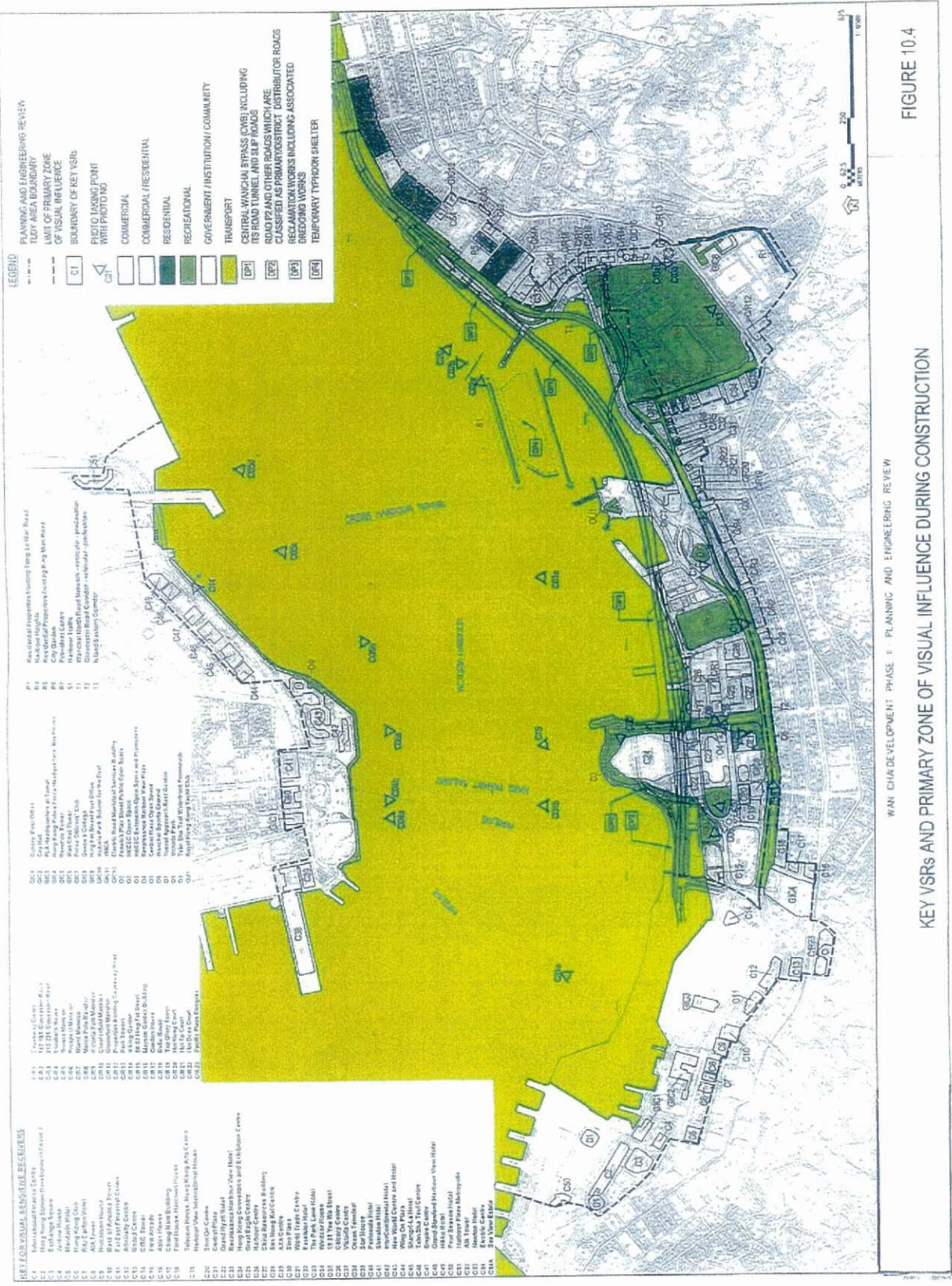
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LANDSCAPE PLAN

Appendix B

Location Plan of Visual Sensitive Receivers (C25 & C26)





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CHUN WO - CRGL JOINT VENTURE

LANDSCAPE PLAN

Appendix C

**Location Plan for Overall Trees to be Retained, to be
Fell and to be Transplanted**

NOTES:

1. All trees to be removed shall be removed within 14 days of the start of the work.

2. Contractors shall be responsible for the removal of all trees to be removed.

LEGEND:

- 0001- TREE TO BE TRANSPLANTED
- 10238(R) TREE TO BE RETAINED
- 1A10601(R) TREE TO BE RETAINED
- 10238(F) TREE TO BE RETAINED
- 5% BOUNDARY



KEY PLAN

維多利亞港

VICTORIA HARBOUR

REV	DATE	DESCRIPTION
C	18/07/11	REV STATUS UPDATED
B	10/11/10	NOTE UPDATED
A	16/8/10	PRELIMINARY

UPDATES/REVISIONS:



CONTRACTOR: 香港中環有限公司
GLANWOOD-LELL JOHN YOUNG

PROJECT: CONTRACT NO. HK200902
WAN CHAI DEVELOPMENT PHASE II
CENTRAL - WAN CHAI BYPASS AT WAI CHAI EAST
TRANSPLANT TREE

TREE LOCATION PLAN

SCALE	1 : 500 (A1)
DATE	04/08/11
DRAWING NO.	SK175 (1)
REV	C

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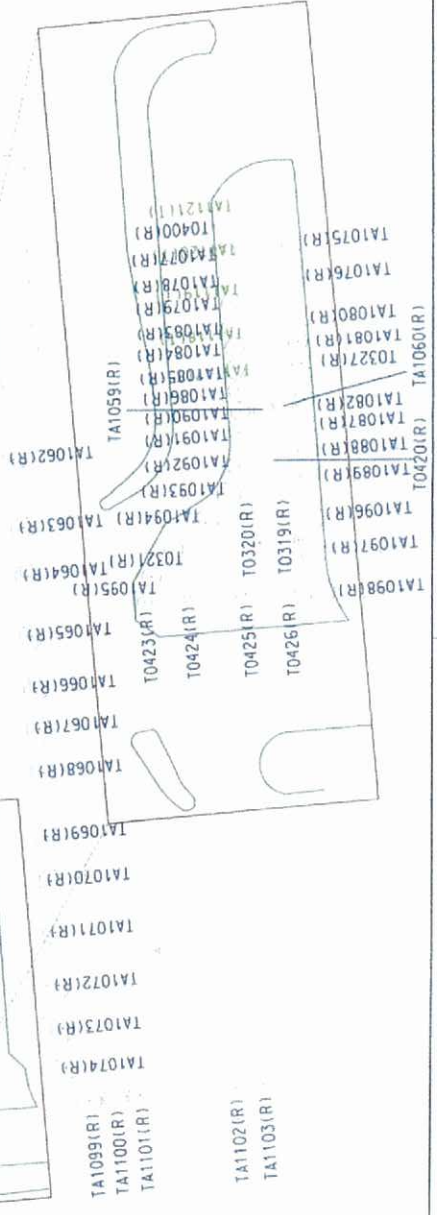
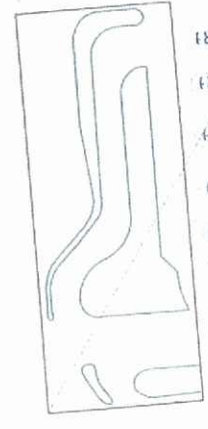
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NOTES:
1. All work shall be done in accordance with the approved plans.
2. Contractors are to carry out work in strict accordance with the approved plans.

LEGEND:
--- SITE BOUNDARY

001
002
003
004



KEY PLAN

C	16/07/11	TREE STATUS UPDATED
B	13/11/10	NOTES UPDATED
A	16/07/10	FIRST ISSUE
REV	DATE	DESCRIPTION
CHG	DATE	DESCRIPTION

CONTRACTOR

CONTRACT NO. HK/2008/02
 WAN CHAI DEVELOPMENT PHASE II
 CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST
 DRAWING REF.

TREE LOCATION PLAN
 SHEET 2 OF 4
 SCALE 1 : 500 (A1)
 DRAWING NO. CW-CV/SUR/SK--75
 REV C

NOTES:
 1. SEE SHEET SK175 FOR TREE SCHEDULE
 2. CONSTRUCTION OF THIS PLAN SHALL BE IN ACCORDANCE WITH THE CITY OF CHICAGO TREE PRESERVATION ORDINANCE

LEGEND:

- SOLID LINE TO BE TRANSPLANTED
- DOTTED LINE TO BE REMOVED
- DASHED LINE TO BE MAINTAINED
- DOTTED LINE TO BE MAINTAINED
- DOTTED LINE TO BE MAINTAINED



KEY PLAN

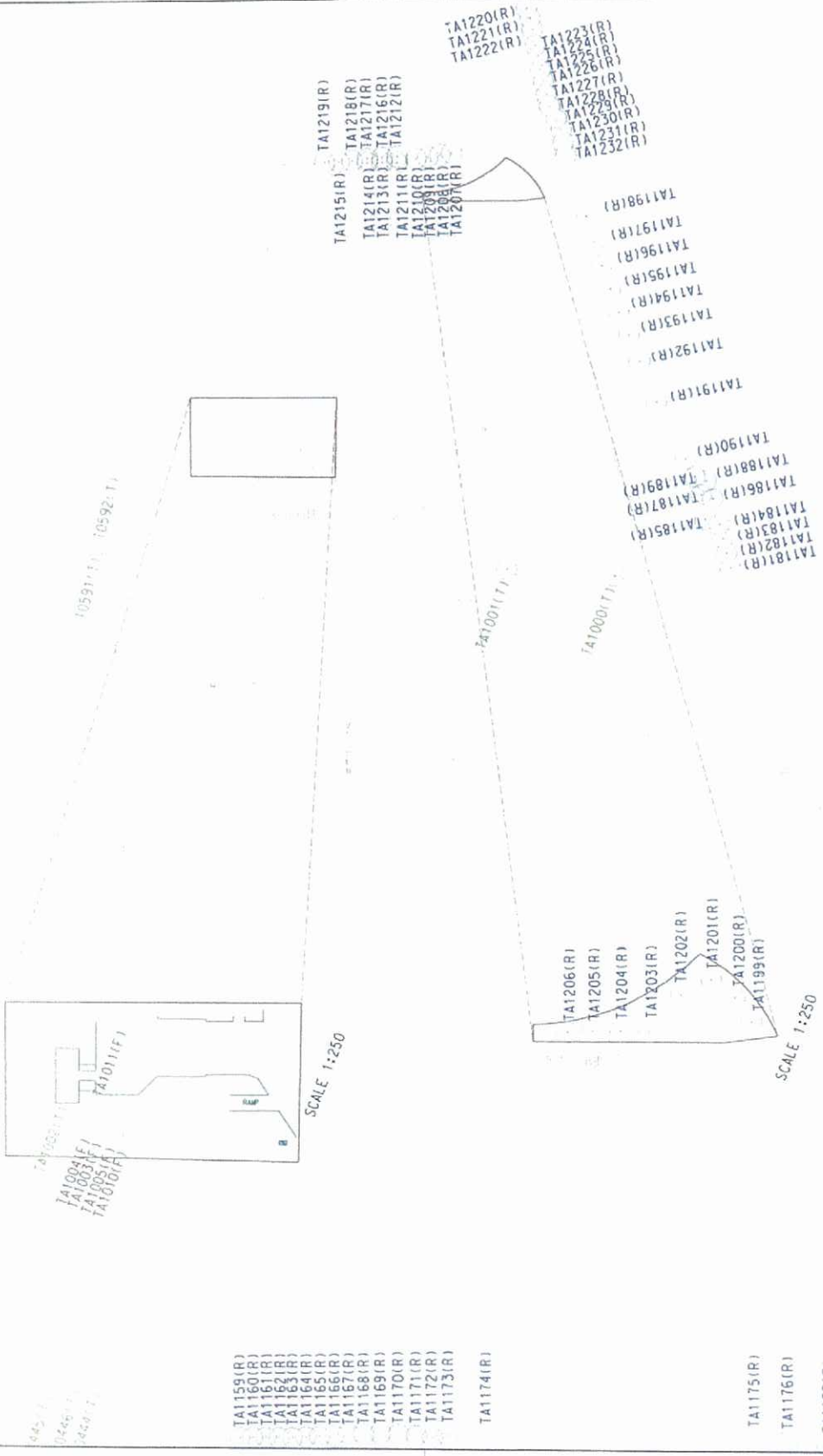
REV.	DATE	DESCRIPTION
1	05/27/11	DATE SCALE UPDATED
2	07/17/11	NOTES UPDATED
3	08/27/11	FIRST ISSUE
4	08/27/11	DESCRIPTION

PROJECT REPRESENTATIVE

CONTRACTOR: [Logo]
 CONTRACT NO. HK200902
 PROJECT: WAI CHAI DEVELOPMENT PHASE II
 GENERAL CONTRACTOR: WAI CHAI DEVELOPMENT PHASE II

TREE LOCATION PLAN

SCALE: 1 : 500 (A1)
 DRAWING NO: CW-CV/SUR/SP-175
 SHEET 3 OF 4
 DRAWING REF: SK175 (3) C



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SCALE 1:250

SCALE 1:250



俊和 - 中國中鐵聯營

CHUN WO - CRGL JOINT VENTURE

LANDSCAPE PLAN

Appendix D



Method Statement for Retain Trees



俊和 - 中國中鐵聯營
CHUN WO - CRGL JOINT VENTURE

Contract No. HK/2009/02
Wan Chai Development Phase II -
Central - Wan Chai Bypass at Wan Chai East
S & D - Method Statement

Preservation and Protection Method Statement (Existing Trees to be Retained)

<u>Rev</u>	<u>Date</u>	<u>Status</u>	<u>Signature :</u> <u>Prepared By</u> Name : Joey Leung (Sub-Agent)	<u>Signature :</u> <u>Reviewed By</u> Name : Roger Wong (Construction Manager)
1.0	14 June 2010	First Submission		



香港綠化工程有限公司
Hong Kong Landscaping Co., Ltd.

Preservation and Protection Method
Statement

FOR

Wan Chai Development Phase II - Central -
Wan Chai Bypass at Wan Chai East
Contract No.: HK/2009/02
(Retain Trees)

Prepared by

Luk Ka Chun

Choi On Kit

Certified by

Leo Yeung (Certified Arborist HK-0471A)

九龍上海街 383 號華興商業中心 5 樓
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Certificate No. HK01/0039
ISO 9001:2000
GR-T 19001-7600

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3.2 <u>Method 2 — Fence off the TPZ if construction works are to be carried out within 1m from TPZ</u>	
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1 INTRODUCTION

According to the Tree Transplanting Plan (Drg No. 60041297/C2/100/1411A), total of 115 trees are required to be retained and 10 trees are proposed to be fell (pending RFI). Following the PS Section 3 Clause 3.97 with the advice from the Independent Tree Specialist (ITS) and the Tree Specialist's Sub-Contractor Messrs. Hong Kong Landscaping Co Ltd, for the tree protection works, this method statement is prepared to describe the general preparation works and methodology for protecting these trees.

2 PREPARATION WORKS

- ◆ Identify all trees to be protected and fence off when necessary.
- ◆ Determine Tree Protection Zone (TPZ) along the perimeter of tree crown spread (i.e. Drip line of the tree). In case of the site constraint such as permanent structure, public utilities or site access routes in proximity, TPZ may be reduced subject to comments Independent Tree Specialist (ITS) and approval by the Engineers.

3 METHODS OF PROTECTION FOR RETAIN TREES

Tree Protection Zone (TPZ), defined as the drip line of crown spread, may intrude with existing structure, traffic, utilities, temporary site access or other works. Therefore, 4 methods are proposed to cope with these site constraints.

3.1 Method 1 – No trees protection if no works are to be carried out within 1m from the TPZ.

No tree protection works is needed.

3.2 Method 2 – Fence off the TPZ if construction works are to be carried out within 1m from TPZ.

Erect fluorescent barrier fence to fence off the TPZ. In case of TPZ overlapped in tree groups, combined perimeter of TPZ would be used (Appendix B). Warning notice (Appendix C) guarding against unauthorized operations within TPZ would be posted on the barrier fence.

3.3 Method 3 – Fence off the Tree Protection Zone if the Tree(s) is/are located within planter box and construction works are to be carried out within 1m from TPZ.

Erect fluorescent barrier fence along planter edge to enclose the TPZ as majority of the tree root system is expected within the planter box or tree pit area. In case of TPZ overlapped in tree groups, combined perimeter of TPZ would be used. Warning notice guarding against unauthorized operations within TPZ would be erected on the barrier fence.

3.4 Method 4 - Provide Mechanical Protection against Tree Trunk if TPZ cannot be fenced off due to site constraints.

Protective hessian armouring and bamboo planks would be installed against unforeseen mechanical impacts if TPZ and Erect fluorescent barrier fence to fence off the Critical Root Zone (CRZ). CRZ is the protection zone to be established by determining its critical rooting distance. Critical rooting distance is the radius measured from centre of the trunk determined by multiplying the tree's diameter at 4.5 feet (1.4m) above the soil line by 2.5 (According to "MUNICIPAL SPECIALIST CERTIFICATION STUDY GUIDE").

4 GENERAL RESTRICTIONS WITH RETAIN TREES

- Good drainage shall be maintained at all times within the TPZ or CRZ.
- No construction waste water shall be drained within or pass through the TPZ or CRZ.
- No construction activities or storage shall be allowed within the TPZ or CRZ.
- Unnecessary intrusion into the TPZ or CRZ is prohibited.
- All access routes to TPZ or CRZ which need to pass through shall be approved by ITS and the Engineers.
- No nails or other fixings shall be driven into trees.
- No fencing and signs or temporary attachments shall be attached to trees.
- No materials or machineries such as generator shall be stored within the TPZ.
- No workshop, canteens, or similar shall be installed beneath trees, nor shall equipment repairing etc be carried out under trees.
- No trees shall be used as anchors for ropes or chains used in guying or pulling purposes.
- No chemical or diesel is allowed to be stored or disposed within TPZ.

5 MONITORING

Monthly inspection report with updating photographic records will be submitted. The inspection report includes the health condition and preservation works recommendation.

6 IMPORTANT TREES AND OLD & VALUABLE TREES (OVT)

According to the Register of Old and Valuable Trees under ETWB TCW no. 29/2004, there is no OVT in the site area. The register could be obtained from the following website:
<http://www.lcsd.gov.hk/LEISURE/LP/gc/tree>.

Furthermore, based on the criteria set forth in the appendix B of the same TCW as summarized below, there is no potential registrable OVT within the Site.

- Trees of large size
- Trees of precious or rare species
- Trees of particularly old age (e.g. aged 100 or above)
- Trees of cultural, historical or memorable significance; and
- Trees of outstanding form.

APPENDIX A

**TREES SCHEDULE FOR RETAINED TREES WITH PROTECTION METHOD FOR
EACH TREE**

Tree Preservation Schedule and Summary of Protection Method

PROJECT TITLE: WAN CHAI DEVELOPMENT PHASE II - CENTRAL -

Date of Survey:

13th May, 2010

WAN CHAI BYPASS AT WAN CHAI EAST

Surveyor:

O.K. CHOI

CONTRACT NO.: HK/2009/02

Signature:



Tree No.	Botanical Name	Chinese Name	Diameter at breast height (DBH) (mm)	Height (m)	Spread (m)	Health		Firm	Anteity Value	Contract Recommendation	ITS Recommendation	Final Decision	Protection Method (Refer to Tree Protection Method Statement)	Remarks
						Good	Poor							
Expo Drive East														
T239	<i>Hibiscus thibetensis</i>	黃槿	188	6	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T240	<i>Hibiscus thibetensis</i>	黃槿	151	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T241	<i>Hibiscus thibetensis</i>	黃槿	148	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T242	<i>Hibiscus thibetensis</i>	黃槿	146	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned, Tree cavity	
T243	<i>Hibiscus thibetensis</i>	黃槿	128	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T244	<i>Hibiscus thibetensis</i>	黃槿	148	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T245	<i>Hibiscus thibetensis</i>	黃槿	145	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T246	<i>Hibiscus thibetensis</i>	黃槿	146	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T247	<i>Hibiscus thibetensis</i>	黃槿	132	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T248	<i>Hibiscus thibetensis</i>	黃槿	144	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned, Tree cavity	
T249	<i>Hibiscus thibetensis</i>	黃槿	145	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T250	<i>Hibiscus thibetensis</i>	黃槿	144	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T251	<i>Hibiscus thibetensis</i>	黃槿	145	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned, Crack on trunk	
T252	<i>Hibiscus thibetensis</i>	黃槿	158	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T253	<i>Hibiscus thibetensis</i>	黃槿	164	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T254	<i>Hibiscus thibetensis</i>	黃槿	147	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T255	<i>Hibiscus thibetensis</i>	黃槿	141	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T256	<i>Hibiscus thibetensis</i>	黃槿	144	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned, Bark damage	
T257	<i>Hibiscus thibetensis</i>	黃槿	143	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned	
T258	<i>Hibiscus thibetensis</i>	黃槿	195	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T259	<i>Hibiscus thibetensis</i>	黃槿	250	9	5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch, Sprouts	
T260	<i>Hibiscus thibetensis</i>	黃槿	331	9	6.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch, Wound	
T261	<i>Hibiscus thibetensis</i>	黃槿	325	9	6.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch, Exposed root	
T262	<i>Hibiscus thibetensis</i>	黃槿	353	9	6.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch, Trunk decay, Trunk broken	
T263	<i>Hibiscus thibetensis</i>	黃槿	350	6	6	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch, Trunk decay	
T264	<i>Hibiscus thibetensis</i>	黃槿	268	8	5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned, Tree cavity	
T265	<i>Hibiscus thibetensis</i>	黃槿	151	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned	
T266	<i>Hibiscus thibetensis</i>	黃槿	126	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T267	<i>Hibiscus thibetensis</i>	黃槿	152	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T268	<i>Hibiscus thibetensis</i>	黃槿	166	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned, Tree cavity	
T269	<i>Hibiscus thibetensis</i>	黃槿	139	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T270	<i>Hibiscus thibetensis</i>	黃槿	144	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T271	<i>Hibiscus thibetensis</i>	黃槿	156	5.5	1.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Pruned, Tree cavity	
T272	<i>Hibiscus thibetensis</i>	黃槿	146	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T273	<i>Hibiscus thibetensis</i>	黃槿	143	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T274	<i>Hibiscus thibetensis</i>	黃槿	153	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T275	<i>Hibiscus thibetensis</i>	黃槿	146	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T276	<i>Hibiscus thibetensis</i>	黃槿	143	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T277	<i>Hibiscus thibetensis</i>	黃槿	151	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T278	<i>Hibiscus thibetensis</i>	黃槿	149	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T279	<i>Hibiscus thibetensis</i>	黃槿	146	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T280	<i>Hibiscus thibetensis</i>	黃槿	155	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T281	<i>Hibiscus thibetensis</i>	黃槿	152	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T282	<i>Hibiscus thibetensis</i>	黃槿	162	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T283	<i>Hibiscus thibetensis</i>	黃槿	170	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T284	<i>Hibiscus thibetensis</i>	黃槿	190	5.5	1.5	Fair	Fair	Medium	Retain	Retain	Retain	1	Pruned	
T447	<i>Hibiscus thibetensis</i>	黃槿	175	5	3.5	Poor	Poor	Medium	Retain	Retain	Retain	1	Trunk broken, Pest	
T448	<i>Hibiscus thibetensis</i>	黃槿	165	5	4	Fair	Poor	Medium	Retain	Retain	Retain	1	Trunk decay	
T449	<i>Hibiscus thibetensis</i>	黃槿	160	5	2.5	Poor	Poor	Medium	Retain	Retain	Retain	1	Trunk damage, Sprouts, Dead branch	
T450	<i>Hibiscus thibetensis</i>	黃槿	160	5	1.5	Poor	Poor	Medium	Retain	Retain	Retain	1	Trunk broken, Dead branch, Sprouts	
T451	<i>Hibiscus thibetensis</i>	黃槿	212	7	4	Poor	Poor	Medium	Retain	Retain	Retain	1		
T452	<i>Hibiscus thibetensis</i>	黃槿	300	11	7	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
T453	<i>Hibiscus thibetensis</i>	黃槿	300	11	7.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
T454	<i>Hibiscus thibetensis</i>	黃槿	300	11	7.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
T455	<i>Hibiscus thibetensis</i>	黃槿	260	11	6.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
T456	<i>Hibiscus thibetensis</i>	黃槿	250	11	7	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
T457	<i>Hibiscus thibetensis</i>	黃槿	240	11	7	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
T458	<i>Hibiscus thibetensis</i>	黃槿	281	11	7	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch, Exposed root	
T459	<i>Hibiscus thibetensis</i>	黃槿	286	11	6.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Cross branch	
Convention Avenue														
T285	<i>Albizia lebbek</i>	大葉合歡	305	8	7	Good	Good	Medium	Retain	Retain	Retain	3		
T286	<i>Albizia lebbek</i>	大葉合歡	195	8	5	Good	Good	Medium	Retain	Retain	Retain	3		
T287	<i>Albizia lebbek</i>	大葉合歡	363	8	7.5	Good	Good	Medium	Retain	Retain	Retain	3		
T293	<i>Aleurites moluccana</i>	石栗	296	10	3	Good	Fair	Medium	Retain	Retain	Retain	1		
T294	<i>Aleurites moluccana</i>	石栗	178	7	3	Good	Fair	Medium	Retain	Retain	Retain	1		
T296	<i>Cinnamomum camphora</i>	樟樹	140	7	3.5	Good	Fair	Medium	Retain	Retain	Retain	3		
T297	<i>Cinnamomum camphora</i>	樟樹	150	7	3.5	Good	Fair	Medium	Retain	Retain	Retain	3		
T298	<i>Melia azadirach</i>	苦楝	95	3.5	2	Good	Fair	Medium	Retain	Retain	Retain	3		
T299	<i>Albizia lebbek</i>	大葉合歡	166	8	4	Fair	Fair	Medium	Retain	Retain	Retain	3		
T300	<i>Albizia lebbek</i>	大葉合歡	572	16	7	Good	Good	Medium	Retain	Retain	Retain	3		
T301	<i>Albizia lebbek</i>	大葉合歡	281	13	7	Good	Good	Medium	Retain	Retain	Retain	3		
T319	<i>Erythrina variegata</i>	刺桐	253	7	5	Good	Fair	Medium	Retain	Retain	Retain	3		
T320	<i>Jacaranda inornatifolia</i>	藍花楸	261	9	7	Good	Good	Medium	Retain	Retain	Retain	3		
T321	<i>Alstonia scholaris</i>	豎板木	102	5	1	Poor	Fair	Medium	Retain	Retain	Retain	3	Wound	
T322	<i>Jacaranda inornatifolia</i>	藍花楸	124	9	5.5	Good	Good	Medium	Retain	Retain	Retain	3	Leaning	
T328	-	-	-	-	-	-	-	-	-	-	-	-	-	Leaning, Wound
T360	<i>Acacia confusa</i>	台灣相思	140	5	5	Fair	Poor	Low	Retain	Retain	Retain	1		
T361	<i>Acacia confusa</i>	台灣相思	125	5	3	Fair	Fair	Low	Retain	Retain	Retain	1		
T362	<i>Acacia confusa</i>	台灣相思	95	6	2	Fair	Fair	Low	Retain	Retain	Retain	1		
T363	<i>Acacia confusa</i>	台灣相思	155	6	3	Fair	Poor	Low	Retain	Retain	Retain	1	Dead branch	

Tree Preservation Schedule and Summary of Protection Method

PROJECT TITLE: WAN CHAI DEVELOPMENT PHASE II - CENTRAL -

WAN CHAI BYPASS AT WAN CHAI EAST

CONTRACT NO.: HK/2009/02

Date of Survey:

18th May, 2010

Surveyor:

O.K. CHOI

Signature:



Tree No.	Botanical Name	Chinese Name	Diameter at breast height (DBH) (mm)	Height (m)	Spread (m)	Health	Form		Amenity Value	Contractor Recommendation	ITS Recommendation	Final Decision	Protection Method (Refer to Tree Protection Method Statement)	Remarks
							Good Fair Poor	Good Fair Poor						
T364	<i>Acacia confusa</i>	台灣相思	95	6	3	Fair	Poor	Low	Retain	Retain	Retain	1	Dead branch	
T365	<i>Acacia confusa</i>	台灣相思	123	6	3	Fair	Poor	Low	Retain	Retain	Retain	1	Dead branch, Sprouts	
T366	<i>Acacia confusa</i>	台灣相思	100	6	3	Fair	Poor	Low	Retain	Retain	Retain	1	Dead branch, Sprouts	
T367	<i>Acacia confusa</i>	台灣相思	125	5	3.5	Fair	Poor	Low	Retain	Retain	Retain	1	Dead branch	
T369	<i>Acacia confusa</i>	台灣相思	145	6	3	Fair	Fair	Low	Retain	Retain	Retain	1		
T370	<i>Acacia confusa</i>	台灣相思	170	6	4	Fair	Fair	Low	Retain	Retain	Retain	1		
T400	<i>Aracaria heterophylla</i>	南洋杉	217	10	4	Good	Good	Medium	Retain	Retain	Retain	3		
T420	<i>Casua sianca</i>	鐵刀木	187	10	5.5	Good	Good	Medium	Retain	Retain	Retain	1		
T423	<i>Alstonia scholaris</i>	黑樹木	242	6	3.5	Good	Good	Medium	Retain	Retain	Retain	1		
T424	<i>Alstonia scholaris</i>	黑樹木	172	6	3	Good	Good	Medium	Retain	Retain	Retain	1		
T425	<i>Alstonia scholaris</i>	黑樹木	199	6	3.5	Good	Good	Medium	Retain	Retain	Retain	1		
T426	<i>Alstonia scholaris</i>	黑樹木	203	6	3	Good	Fair	Medium	Retain	Retain	Retain	1	Leaning	
T430	<i>Hibiscus thibensis</i>	黃槿	229	5	5	Fair	Poor	Medium	Retain	Retain	Retain	1	Sprouts	

DSD Sewerage Treatment Plant

DSD1007	<i>Ficus microcarpa</i>	桐葉梅	201	7	5	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
DSD1008	<i>Roualtia robusta</i>	火草梭	185	8	4	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
DSD1009	<i>Bauhinia spp.</i>	羊蹄甲	162	5	4	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
DSD1014	<i>Phoenix roebelenii</i>	日本葵	110	4	2	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
DSD1015	<i>Phoenix roebelenii</i>	日本葵	113	5	2	Fair	Poor	Medium	Retain	Retain	Retain	1	Trunk damage (Extra Tree RFI to be issued)
DSD1016	<i>Phoenix roebelenii</i>	日本葵	105	4	2	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
DSD1017	<i>Phoenix roebelenii</i>	日本葵	107	4	2	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
DSD1018	<i>Phoenix roebelenii</i>	日本葵	131	4	2	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)

Gloucester Road

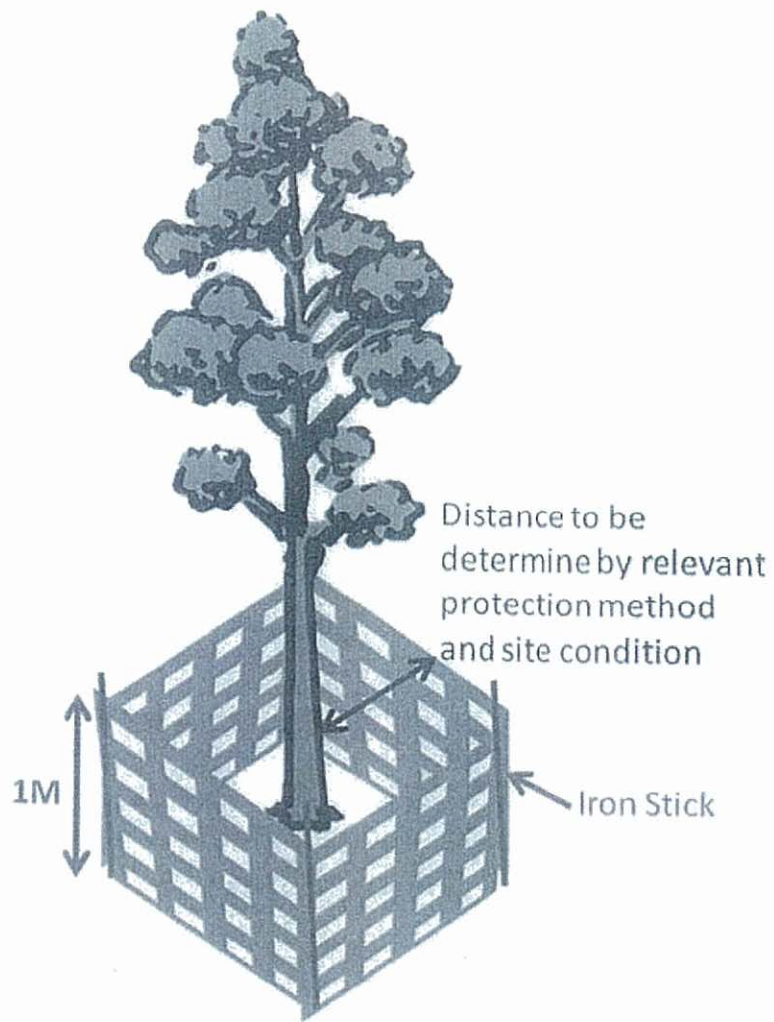
G1001	<i>Aleurites moluccana</i>	石栗	266	10	4	Fair	Fair	Medium	Retain	Retain	Retain	1	Pending RFI (CWCRL/V/573/RFI/0160-2013)
G1002	<i>Aleurites moluccana</i>	石栗	227	10	4	Fair	Fair	Medium	Retain	Retain	Retain	1	Pending RFI (CWCRL/V/573/RFI/0160-2013)
G1003	<i>Aleurites moluccana</i>	石栗	332	9	4	Fair	Fair	Medium	Retain	Retain	Retain	1	Pending RFI (CWCRL/V/573/RFI/0160-2013)
G1004	<i>Aleurites moluccana</i>	石栗	333	9	4	Fair	Fair	Medium	Retain	Retain	Retain	1	Pending RFI (CWCRL/V/573/RFI/0160-2013)
T180	<i>Aleurites moluccana</i>	石栗	281	11	4	Poor	Fair	Medium	Retain	Retain	Retain	1	Dead branch
T181	<i>Aleurites moluccana</i>	石栗	366	12	5	Fair	Fair	Medium	Retain	Retain	Retain	1	
T182	<i>Aleurites moluccana</i>	石栗	255	11	4	Fair	Fair	Medium	Retain	Retain	Retain	1	Wound decay
T183	<i>Aleurites moluccana</i>	石栗	292	11	4	Fair	Fair	Medium	Retain	Retain	Retain	1	Wound decay
T184	<i>Aleurites moluccana</i>	石栗	334	9	4	Fair	Poor	Medium	Retain	Retain	Retain	1	
T185	<i>Aleurites moluccana</i>	石栗	322	9	4	Poor	Fair	Medium	Retain	Retain	Retain	1	Abnormal foliage density
T186	<i>Aleurites moluccana</i>	石栗	203	8	4	Fair	Fair	Medium	Retain	Retain	Retain	1	
T187	<i>Aleurites moluccana</i>	石栗	354	11	5	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	
T188	<i>Aleurites moluccana</i>	石栗	341	10	5	Poor	Fair	Medium	Retain	Retain	Retain	2, 4	Trunk cavity, Trunk decay
T190	<i>Aleurites moluccana</i>	石栗	281	13	4	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	
T191	<i>Aleurites moluccana</i>	石栗	311	13	4	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	
T192	<i>Aleurites moluccana</i>	石栗	268	12	5	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	
T195	<i>Aleurites moluccana</i>	石栗	332	12	4	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	
T197	<i>Aleurites moluccana</i>	石栗	325	13	4	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	Wound decay
T198	<i>Aleurites moluccana</i>	石栗	334	13	4	Fair	Fair	Medium	Retain	Retain	Retain	2, 4	
T199	<i>Aleurites moluccana</i>	石栗	374	12	5	Fair	Fair	Medium	Retain	Retain	Retain	1	
T200	<i>Aleurites moluccana</i>	石栗	445	12	6	Fair	Fair	Medium	Retain	Retain	Retain	1	
T201	<i>Aleurites moluccana</i>	石栗	289	12	5	Fair	Fair	Medium	Retain	Retain	Retain	1	
T202	<i>Aleurites moluccana</i>	石栗	360	11	6	Poor	Fair	Medium	Retain	Retain	Retain	1	Trunk decay

Ganmon Site (Hung Hing Road & Wan Shing Corner)

A001	<i>Celtis sinensis</i>	朴樹	180	6	3	Fair	Fair	Medium	Retain	Retain	Retain	1	(Extra Tree RFI to be issued)
T373	<i>Aleurites moluccana</i>	石栗	608	12	5.5	Fair	Poor	Medium	Retain	Retain	Retain	1	Trunk broken
T375	<i>Ficus virens</i>	大葉榕	212	4	1	Poor	Poor	Medium	Retain	Retain	Retain	1	Trunk topped, Sprouts
T376	<i>Ficus virens</i>	大葉榕	1000	15	11	Fair	Fair	Medium	Retain	Retain	Retain	1	Multi-trunks
T377	<i>Macaranga tanarius</i>	血桐	220	6	3	Poor	Poor	Medium	Retain	Retain	Retain	1	Leaning, Diseased branch, Sprouts, Bark damage
T378	<i>Macaranga tanarius</i>	血桐	180	5	3	Poor	Poor	Medium	Retain	Retain	Retain	1	Leaning, Diseased branch, Sprouts
T380	<i>Macaranga tanarius</i>	血桐	177	5	3	Fair	Fair	Medium	Retain	Retain	Retain	1	Wound
T381	<i>Macaranga tanarius</i>	血桐	184	5	3	Fair	Poor	Medium	Retain	Retain	Retain	1	Leaning
T383	<i>Mangifera indica</i>	芒果	431	10	5	Fair	Fair	Medium	Retain	Retain	Retain	1	Wound
T385	<i>Bauhinia spp.</i>	羊蹄甲	1030	11	6	Fair	Poor	Medium	Retain	Retain	Retain	1	Multi-trunks
T386	<i>Macaranga tanarius</i>	血桐	255	6	4.5	Poor	Fair	Medium	Retain	Retain	Retain	1	Trunk decay, Leaning
T387	<i>Carus maxim</i>	柚	110	5	2	Fair	Fair	Medium	Retain	Retain	Retain	1	Leaning
T440	<i>Tetradium glabrifolium</i>	椴樹	320	12	3	Poor	Poor	Medium	Retain	Retain	Retain	1	Wound, Trunk decay, Dead branches, Bark decay

APPENDIX B

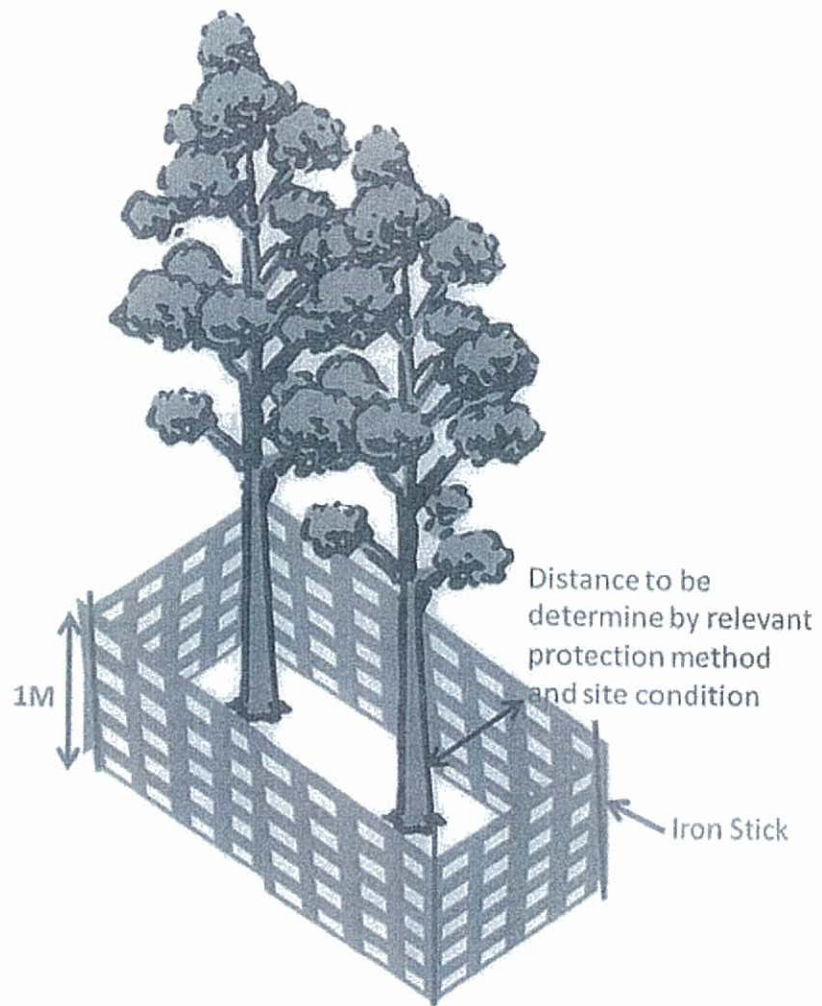
SHOP DRAWINGS OF PROTECTION FOR RETAINED TREES.



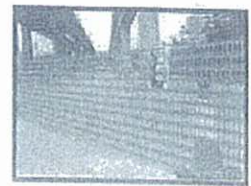
Fluorescent Tree Protection Barrier
(Individual Tree)



Fluorescent Fencing



Fluorescent Tree Protection Barrier
(Tree Group)



Fluorescent Fencing

APPENDIX C
WARNING NOTICE

TREE PROTECTION ZONE

NO ENTRY

樹木保護範圍

不准內進



俊和－中國中鐵聯營

CHUN WO－CRGL JOINT VENTURE

LANDSCAPE PLAN

Appendix E


Method Statement for Transplanting of Existing Trees



俊和 - 中國中鐵聯營
CHUN WO - CRGL JOINT VENTURE

Contract No. HK/2009/02
Wan Chai Development Phase II -
Central - Wan Chai Bypass at Wan Chai East
S & D - Method Statement for Transplanting of Existing Trees

Method Statement For Transplanting of Existing Trees (Revision B)

Prepared by:	Reviewed by:	Endorsed by:	Approved by:
Contractor: CW-CRGL JV	Contractor: CW	CRGL JV	Contractor: CW
Signature : 	Signature : 	Signature : 	Signature : 
Name (Leo Yeung)	Name (Darry Leung)	Name (Roger Wong)	Name (S. C. Chan)
Post (Independent Tree Specialist)	Post (Compliance Manager)	Post (Construction Manager)	Post (Project Manager)
Date: 02 August 2010	Date: 02 August 2010	Date: 02 August 2010	Date: 02 August 2010

CONTENTS

- 1 INTRODUCTION
- 2 PREPARATION WORKS
 - 2.1 Crown Pruning
 - 2.2 Root Pruning
 - 2.3 Temporary Support for Trees
- 3 UPLIFTING
 - 3.1 Uplifting and Transporting to Hold Nursery or Final Location
 - 3.2 Planting at Hold Nursery or Final Location
 - 3.3 Uplifting and Transplanting from Nursery to Final Location
- 4 MAINTENANCE
 - 4.1 Watering
 - 4.2 Weeds, Pest and Fungal Control
 - 4.3 Nutrition
- 5 SAFETY PRECAUTIONS
- 6 REMARKS

APPENDICES

- A Inspection and Test Plan
- B Tree Transplant Schedule
- C Risk Assessment
- D Temporary Support Details For Tree

1 INTRODUCTION

According to the Tree Transplanting Plan (Drg No. 60041297/C2/100/1411A), a total number of 60 trees are to be transplanted. Following the PS Section 3 Clause 3.97 with the advice from the Independent Tree Specialist (ITS) and the Tree Specialist's Sub-Contractor Messrs. Hong Kong Landscaping Co Ltd, for tree transplanting works, this method statement is prepared to describe the general preparation works and methodology for transplanting the trees, works programme and the treatment in the holding nursery. The submissions for holding nursery will be made separately. Should there be particular occasion that trees are required to be transplanted in different approach, separate submissions, with the advice from the ITS, will be made accordingly. The Inspection and Test Plan (Refer to Appendix A – Inspection and test Plan) will be completed by ITS for monitoring each stage of tree transplanting works. ITS will be ensured all tree works will be carried out according to P.S. 26.02.

2 PREPARATION WORKS

2.1 Crown Pruning

- Prune only crossed, dead, diseased, crossing branches and limbs.
- Retain good shape of the trees, crown thinning if necessary the Engineer's approval.
- The extent of crown pruning should be determined by the ITS on site and agreed by the Engineer in accordance with PS 3.97(18).
- ITS will ensure and verify the extent of crown pruning to be carried out as per agreed details by the Engineer.

2.2 Root Pruning

Root Pruning would normally take place in 3 stages within a minimum of one month allowed for root regeneration between each stage of root pruning. The period of root pruning and the size of rootball will be determined by the ITS and submitted for approval by the Engineer. Ideally, maximum time is allowed between each stage of pruning to ensure maximum fibrous root regeneration prior to the actual uplifting/transplanting operations. The period of root pruning may be adjusted to suit specific tree species and/or imposed by project constraints. The diameter of rootball to be cut shall be determined by the ITS and approved by the Engineer in accordance with PS 3.98(2).

2.3 Temporary Support for Trees

In instances where ITS assess the need for temporary support of transplanted trees during root pruning period, the following general arrangement shall apply:

Trees with DBH less than 300mm will be supported by Bamboo tripod.

Trees with DBH greater than 300mm will be supported by Steel wire.

The design for temporary support shall be in accordance with GS 3.36 & 3.61 and PS 3.36 & 3.61, subject to approval by the ITS and the Engineer. The typical details of temporary support details are as shown in Appendix D.

If due to site constraint which the temporary support cannot be set up due to insufficient space or the temporary supports becoming a public safety concern, the tree will be transplanted and removed from site within the same day, thus temporary support is not required. Trees earmarked to be transplanted within the same day will not require temporary support.

The ITS currently has not identified any need for temporary support to trees requiring transplanting. If during the course of the work the ITS considers it necessary for temporary support for any individual tree, the appropriate temporary support will be in accordance with Section 2.3.

Existing soil around root ball area will be used as backfilling materials. However, soil conditioner will be added with backfilling materials to encourage new growth of root tips. The soil conditioner will be submitted under separate cover.

Based on the Tree Transplant Schedule (Refer to Appendix B – Tree Transplant Schedule), all trees will be transplanted in 3 groups of pruning methodology:

Group 1 – Single Transplanting

- Trees categorized as Group 1 are recommended by “ITS” as suitable to be transplanted in single operation. No staging root pruning is required, prior to uplifting for transplant.
- A trench up to 750mm deep and between 200-300mm wide (dependent on the species and soil characteristics) would be formed by hand around the bole of the tree outside of the marked circumference.
- Excavate outside the prepared root-ball taking care not to disturb the ball.
- Under-cut the base of the root ball in accordance with the root ball to form a semi-sphere ball.
- All roots protruding from the ball would be cleanly cut off.
- Wrap the root ball with hessian materials and tie up the root-ball securely with jute ropes and wire mesh.

Group 2 – Root Pruning in 3 stages before uplifting with two weeks allowed for root regeneration between each stage of root pruning

A) 1st Root Pruning

- Support the tree with wire tie guys or bamboo stakes.

- The diameter of the prepared root ball would be 6-10 times the DBH. Size of the root ball may vary due to site conditions such as boulders, underground utilities, loose soil conditions, nearby structures etc.
 - Root ball circle shall be divided into 6 segments.
 - A trench up to 750mm deep and 200-300mm wide (dependent on the species and soil characteristics) would be formed by hand around the bole of the tree outside of the marked circumference, in two opposing segments.
 - All roots protruding from the ball would be cleanly cut off.
 - Existing soil around root ball area will be used as backfilling materials. However, soil conditioner will be added with backfilling materials to encourage new growth of root tips.
- B) 2nd Root Pruning
- 2nd root pruning would be carried out at least 2 weeks after 1st root pruning or period recommended by ITS and agreed by the Engineer.
 - A trench up to 750mm deep and 200-300mm wide (dependent on the species and soil characteristics) would be formed by hand around the bole of the tree outside of the marked circumference, in two opposing segments.
 - All roots protruding from the ball would be cleanly cut off.
 - Existing soil around root ball area will be used as backfilling materials. However, soil conditioner will be added with backfilling materials to encourage new growth of root tips.
- C) 3rd Root Pruning
- 3rd root pruning would be carried out at least 2 weeks after 2nd root pruning or period recommended by ITS and agreed by the Engineer.
 - A trench up to 750mm deep and 200-300mm wide (dependent on the species and soil characteristics) would be formed by hand around the bole of the tree outside of the marked circumference, in two opposing segments.
 - All roots protruding from the ball would be cleanly cut off.
- D) Undercutting
- Undercutting could be carried out at least 2 weeks after 3rd root pruning or period recommended by "ITS" and agreed by the Engineer.
 - Excavate outside the prepared root-ball taking care not to disturb the ball.
 - Under-cut base of the root ball in accordance with the root ball to form a semi-sphere ball.
 - All roots protruding from the ball would be cleanly cut off.

- Wrap the root ball with hessian materials and tie up the ball securely with jute ropes and wire netting.

Group 3 – Root Pruning in 3 stages before uplifting with one month allowed for root regeneration between each stage of root pruning

A) 1st Root Pruning

- Support the tree with wire guys or bamboo stakes.
- The diameter of the prepared root ball would be 6-10 times the DBH. Size of the root ball may vary due to site conditions such as boulders, underground utilities, loose soil conditions, nearby structures etc.
- Root ball circle shall be divided into 6 segments.
- A trench up to 750mm deep and 200-300mm wide (dependent on the species and soil characteristics) should be formed by hand around the bole of the tree outside of the marked circumference, in two opposing segments.
- All roots protruding from the ball should be cut off cleanly.
- Existing soil around root ball area will be used as backfilling materials. However, soil conditioner will be added with backfilling materials to encourage new growth of root tips.

B) 2nd Root Pruning

- 2nd root pruning should be carried out at least 1 month after 1st root pruning or period recommended by ITS and agreed by the Engineer.
- A trench up to 750mm deep and 200-300mm wide (dependent on the species and soil characteristics) would be formed by hand around the bole of the tree outside of the marked circumference, in two opposing segments.
- All roots protruding from the ball would be cut off cleanly.
- Existing soil around root ball area will be used as backfilling materials. However, soil conditioner will be added with backfilling materials to encourage new growth of root tips.

C) 3rd Root Pruning

- 3rd root pruning would be carried out at least 1 month after 2nd root pruning or period recommended by ITS and agreed by the Engineer.
- A trench up to 750mm deep and 200-300mm wide (dependent on the species and soil characteristics) would be formed by hand around the bole of the tree outside of the marked circumference, in two opposing segments.
- All roots protruding from the ball would be cleanly cut off.

D) Undercutting

- Undercutting should be carried out at least 1 month after 3rd root pruning or period recommended by “ITS” and agreed by the Engineer.
- Excavate outside the prepared root-ball taking care not to disturb the ball.
- Under-cut bottom of the root ball in accordance with the root ball to form a semi-sphere ball.
- All roots protruding from the ball would be cleanly cut off.
- Wrap the root ball with hessian materials and tie up the ball securely with jute ropes and wire netting.

3 UPLIFTING

3.1 Uplifting and Transporting to Hold Nursery or Final Location

- Proceed to uplifting immediately after the undercutting .
- Lifting would be carried out by hoisting equipment, with padded protection for the tree.
- Trees should be supported and firmly secured on crane lorry.
- Trees should then be transported to offsite nursery or final planting location.
- ITS will ensure the procedure of works concordance with Particular Specification.

3.2 Planting at Hold Nursery or Final Location

- Prepare tree pits at nursery with diameter at least 150 mm and depth at least 150mm greater than the root ball.
- Loosen up the soil 150mm depth at the base of the pit.
- Remove all crown wrappings and fastenings used to tie in the branches during transportation.
- Remove all wrapping from the root ball at the pit.
- Set the tree into the pit and ensure that it is firmly in the up-right position.
- Back fill the pit in layers with top soil mix.
- Compact and firming up each layer and ensuring that no air pockets are left around the root ball.
- The newly planted tree should be watered to moisten the root-ball thoroughly.

- Support the tree with wire guys or bamboo stakes with rubber padding to protect the tree trunk.
- Perform maintenance practices as stated in Item 3 prior to re-transplant to final location.

3.3 Uplifting and Transplanting from Nursery to Final Location

- Excavate outside the prepared root-ball taking care not to disturb the root-ball.
- Wrap root ball with Hessian material and tie up the ball securely with jute ropes or wiring netting.
- Lifting up tree in one full-swing, with padded protection for the tree.
- Trees should be supported and firmly secured on crane lorry.
- Prepare tree pits at final location with diameter at least 150mm greater than the root ball.
- Loosen up the soil 150mm depth at the base of the pit.
- Remove all crown wrappings and fastenings used to tie in the branches during transportation.
- Remove all wrapping from the root ball and from the pits.
- Set the tree into the pits and ensure it is in a firmly up-right position.
- Backfill the pit in layers with soil.
- Compact and firming up each layer to ensure no air pockets are left around the root ball.
- The newly planted tree should be watered to moisten the root ball thoroughly.
- Support the tree with wire tie guys or bamboo stakes with rubber padding to protect the tree trunk

4 MAINTENANCE

4.1 Watering

- Watering the tree thoroughly, depend on the weather conditions, to ensure wetting if the root volume for the 1st 3 months period.
- Slowly decrease the watering frequency throughout the remaining 9 months maintenance period to encourage better root growth at depth.
- Frequency of watering should be determined by the ITS.

4.2 Weeds, Pest and Fungal Control

- Stop weed growth that developed by cultivations by herbicide application.
- Check for pest or fungal infestation and apply appropriate approved pesticide or fungicide respectively

4.3 Nutrition

Apply slow release fertilizer (15-9-15+2MgO) every 6 months (on March and September every year) throughout the 12 months maintenance period. The slow release fertilizer will be submitted under separate cover.

5 SAFETY PRECAUTIONS

- a) All personnel shall wear appropriate PPE when carrying out the works including but not limited to Safety Hat, High Visibility Vest, Safety Boots, Gloves, Eye protection and the like.
- b) A detailed risk assessment will be conducted prior to the commencement of the works to assess all of the potential risk and its remedial measures to ensure that the works are carried out in a safe manner. (Refer to Appendix C – Risk Assessment).

6 REMARKS:

- If the tree shows signs of abnormal transplant shock excessive stress during the preparation period, interval between each root pruning stages may require to extend avoiding tree depth.
- Semi-mature size tree or even larger in size may require individual assessment periodically between each stage of pruning. Depends on size and species, a period of up to 1 months is required between each stage of pruning subject to the ITS comments. If tree after each root pruning shown sign of stress or transplanting shock, period between each root pruning work may require to extend for better recovery and enhancement of post transplanting survival rate.
- Due to loading and transport limitation on public road in reference to CAP 374G ROAD TRAFFIC (TRAFFIC CONTROL) REGULATIONS, overall tree crown shape and size more than 2.5 meter cannot be retained. Client or Consultants are reminded that hard pruning/topping may be resulted to the tree in order to transport off site. All crown pruning works to be carried out shall be kept to ensure that a balanced crown is preserved in keeping with the character of the tree species. The extent of the crown pruning works shall be determined by ITS on site and agreed by the Engineer.

Appendix A

INSPECTION AND TEST PLAN

**Wan Chai Development Phase II: Central – Wan Chai Bypass at Wan Chai East
Tree Transplanting for Existing Trees – Inspection & Test Plan**

INSPECTION CHECK LIST FOR TREE TRANSPLANTING		Tree Tag No: _____ Location: _____						
		ITS	JV	ER	Date	Time		
No.	Activity/Description	Works to be Inspected	Compliance Criteria	ITS	JV	ER	Date	Time
1	Visual Tree Assessment	General Conditions	Dead branches Diseased or damaged branches Y/N Y/N	OHP	OHP	OHP		
2	Canopy & Crown Pruning Extent:	Diameter of Pruning	(Φ _____ m)	OHP	OHP	OHP		
3	Temporary Support for Pruning	<ul style="list-style-type: none"> Staking for DBH < 300mm Staking for DBH > 300mm 	<ul style="list-style-type: none"> Bamboo Tripod Steel Wire Tie 	OHP	OCP	OCP		
4	Root Pruning							
4.1	Rootball pruning	Rootball size	Diameter (Φ _____ m)	OHP	OHP	OHP		
4.2	1 st Root Pruning	<ul style="list-style-type: none"> Diameter Depth 	(Φ _____ m) (Depth _____ m)	OHP	OHP	OHP		
4.3	2 nd Root Pruning	<ul style="list-style-type: none"> Time Interval Diameter Depth 	(_____ days/wk) (Φ _____ m) (Depth _____ m)	OHP	OHP	OHP		
4.4	3 rd Root Pruning	<ul style="list-style-type: none"> Time Interval Diameter Depth 	(_____ days/wk) (Φ _____ m) (Depth _____ m)	OHP	OHP	OHP		
5	Undercutting	<ul style="list-style-type: none"> Time Interval Cutting Root Root ball wrapping 	(_____ days/wk) Clean and complete with wetted hessian materials Y/N Y/N	OHP	OHP	OHP		
6	Uplifting & Transporting.	<ul style="list-style-type: none"> Padded protection to tree Size of tree suitable for transporting 	Y/N (Diameter _____ m) < Φ 2.5m (Height _____ m) < 4.5m	OHP	OHP	OHP		

**Wan Chai Development Phase II: Central – Wan Chai Bypass at Wan Chai East
Tree Transplanting for Existing Trees – Inspection & Test Plan**

INSPECTION CHECK LIST FOR TREE TRANSPLANTING		Tree Tag No: _____ Location: _____			
		ITS	JV	ER	Date
No.	Activity/Description	Works to be Inspected	Compliance Criteria		
7	Planting at Holding Nursery	Tree Pit	(Depth _____ m) \geq 1/3 Root ball (Diameter _____ m) more than 300mm of root ball Diameter		
8	Backfill the pit with soil	<ul style="list-style-type: none"> • Place soil mix in layer and compact • Watering 	No air pockets left around root ball Moisten the root ball thoroughly		
9	Temporary Support	<ul style="list-style-type: none"> • Staking for DBH < 300mm • Staking for DBH > 300mm 	<ul style="list-style-type: none"> • Bamboo Tripod • Steel Wire Tie 		

Legends JV CW-CRGL Joint Venture QHP Quality Hold Point CS Construction Standard
 SC Subcontractor managed by the CW RISC Request for Inspection / GS General Specification
 ER The Engineer's Representative QCP Quality Control Point PS Particular Specifications

Appendix B

TREE TRANSPLANT SCHEDULE



Procedures of Demobilization of Marine Vessels for special and emergency event

1. Introduction

This is to describe the proposed procedures of demobilizing of marine vessels for special and emergency event.

2. Procedures

2.1 Typhoon Signal No. 1 is hoisted

- 2.1.1 Whenever a typhoon is formed and approaching Hong Kong, the foreman-in-charge will keep close communication with site management team via the phone on regular basis over 24-hour.
- 2.1.2 The foreman-in-charge and marine crew on vessel / marine plant shall check and take corresponding precautionary measures such as fixing any loose parts or objects

2.2 Typhoon Signal No. 3 is hoisted or Other Extreme Adverse Weather

- 2.2.1 Tug boat shall be on stand-by-mode.
- 2.2.2 When instruction of suspension of marine works is received from site management team, the marine launch shall pick up all on-board site staff and transport them to site office.
- 2.2.3 The on-board crew shall switch off all the power supply after all on-board site staff disembarks from the vessel / marine plant.
- 2.2.4 Meanwhile, a tug boat shall be arranged to site immediately for towing of the vessel / marine plant to the nearest Typhoon Shelter.

2.3 Typhoon Signal No. 3 is lowered

- 2.3.1 The barge crew will keep stay on board to receive further instruction from the foreman-in-charge.
- 2.3.2 The tug boat shall be on stand-by-basis in Typhoon Shelter.
- 2.3.3 Once instruction resuming works operation is received from site management team, the tug boat will tow the vessel / marine plant back to site.
- 2.3.4 The vessel / marine plant shall be moored in the corrected position on site under the supervision of site supervisor.
- 2.3.5 The on-board crew shall switch on all power supply of the vessel / marine plant and make the vessel / marine plant available for working.



- 2.4 For special and emergency event such as firework activities or other issue which require evacuation of marine vessels
- 2.4.1 Whenever we get informed for the special and emergency event, the foreman-in-charge will keep close communication with site management team via the phone on regular basis over 24-hour.
 - 2.4.2 The foreman-in-charge and marine crew on vessel / marine plant shall check and take corresponding precautionary measures such as fixing any loose parts or objects
 - 2.4.3 Tug boat shall be on stand-by-mode.
 - 2.4.4 The foreman-in-charge would keep close liaison with the responsible person(s) for all marine craft movements. The responsible person(s) would liaise with the Marine Department/ Vessel Traffic Centre for decision on any marine craft movements required if necessary.
 - 2.4.5 The responsible person(s) for overall control of marine craft movements would liaise with relevant Engineer's representative on any decision made.
 - 2.4.6 When suspension of marine works is required and confirmed, the marine launch shall pick up all on-board site staff and transport them to site office.
 - 2.4.7 The on-board crew shall switch off all the power supply after all on-board site staff disembarks from the vessel / marine plant.
 - 2.4.8 Meanwhile, a tug boat shall be arranged to site immediately for towing of the vessel / marine plant to the nearest Typhoon Shelter.
- 2.5 Procedures for Foggy Weather
- 2.5.1 *Whenever foggy weather were found that the visibility is less than 1 knot, all works would be suspended and regular bell swing or regular gong strike would be carried out.*
 - 2.5.2 *For continue foggy weather that the visibility is less than 1000m, the foreman-in-charge would keep close liaison with the responsible person(s) for all marine craft movement and get tug boat standby for leaving work stations.*
 - 2.5.3 *Responsible person(s) would keep close liaison with the Engineer and with Star Ferry for any craft movements required.*
 - 2.5.4 *When visibility fall below 200m, the barges or working vessels would be shifted away from the works station and keep at least 100m away from the Wanchai (East Pier) and its navigation route. Frequent ball swing or gong strike would be carried out during the movement to keep or nearby craft beware of the movements.*

Tree Transplant Schedule

As per Contract		tentative date					Tree Survey					Final Decision	Comment
Group	Tree ID	Species	1st Root Pruning	2nd Root Pruning	3rd Root Pruning	Undercutting / Transplanting	City	Tree Location	Access Recomm.	CW-CRGLJV Recommendation			
1	T 0203	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 2	Transplant	Transplant	RT Transplant		
	T 0204	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 2	Transplant	Transplant	RT Transplant		
	T 0205	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 2	Transplant	Transplant	RT Transplant		
	T 0206	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 2	Transplant	Transplant	RT Transplant		
	T 0207	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 2	Transplant	Transplant	RT Transplant		
	T 0431	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 1	Transplant	Transplant	RT Transplant		
	T 0432	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 1	Transplant	Transplant	RT Transplant		
	T 0433	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 1	Transplant	Transplant	RT Transplant		
	T 0434	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 1	Transplant	Transplant	RT Transplant		
	T 0435	Hibiscus ilicifolius	15-Aug-10	-	-	15-Aug-10		Island 1	Transplant	Transplant	RT Transplant		
Public Toilet	H 0001	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Triangle Planter	Transplant	Transplant	RT Transplant		
	H 0002	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Triangle Planter	Transplant	Transplant	RT Transplant		
	H 0003	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Triangle Planter	Transplant	Transplant	RT Transplant		
	H 0004	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0005	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0006	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
2	H 0007	Ficus microcarpa	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0008	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0009	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0010	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0011	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0012	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0013	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0014	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0015	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0016	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0017	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0018	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0019	Roystonia regia	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0020	Livistona chinensis	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0021	Livistona chinensis	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0022	Livistona chinensis	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	H 0023	Livistona chinensis	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	Transplant	Transplant	RT Transplant		
	3	T 0208	Abies Libbeck	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Box Planter	Transplant	Transplant	RT Transplant	
T 0209		Abies Libbeck	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Box Planter	Transplant	Transplant	RT Transplant		
T 0210		Abies Libbeck	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Box Planter	Transplant	Transplant	RT Transplant		
T 0211		Abies Libbeck	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Box Planter	Transplant	Transplant	RT Transplant		
T 0212		Abies Libbeck	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Box Planter	Transplant	Transplant	RT Transplant		
T 0441		Hibiscus ilicifolius	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Existing SWPH Planter Box	Transplant	Transplant	RT Transplant		
T 0442		Hibiscus ilicifolius	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Existing SWPH Planter Box	Transplant	Transplant	RT Transplant		
T 0443		Hibiscus ilicifolius	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Existing SWPH Planter Box	Transplant	Transplant	RT Transplant		
T 0444		Hibiscus ilicifolius	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Existing SWPH Planter Box	Transplant	Transplant	RT Transplant		
T 0445		Hibiscus ilicifolius	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Existing SWPH Planter Box	Transplant	Transplant	RT Transplant		
T 0446		Hibiscus ilicifolius	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Existing SWPH Planter Box	Transplant	Transplant	RT Transplant		
T 0591		Michelia champaca 'Alba'	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Pot Garden	Transplant	Transplant	RT Transplant		
T 0592		Michelia champaca 'Alba'	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Pot Garden	Transplant	Transplant	RT Transplant		
								Sub Total	60				
Unknown Trees Classified under RFI													
1	TA 1000	Ficus microcarpa	15-Aug-10	-	-	15-Aug-10		WSD	Transplant	Transplant	RT Answered (CWCRGLJV/57/RFI/0001-2010)		
	TA 1001	Ficus hispida	15-Aug-10	-	-	15-Aug-10		WSD	Transplant	Transplant	RT Answered (CWCRGLJV/57/RFI/0001-2010)		
	TA 1002	Livistona chinensis	15-Aug-10	-	-	15-Aug-10		DSD	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0000-2010)		
	TA 1003	Acacia confusa	15-Aug-10	-	-	15-Aug-10		DSD	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0000-2010)		
	TA 1004	Confusa Tree	15-Aug-10	-	-	15-Aug-10		DSD	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0000-2010)		
	TA 1005	Confusa Tree	15-Aug-10	-	-	15-Aug-10		DSD	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0000-2010)		
	TA 1010	Leucaena leucocephala	15-Aug-10	-	-	15-Aug-10		DSD	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0000-2010)		
	TA 1011	Miconia lanifolia	15-Aug-10	-	-	15-Aug-10		DSD	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0000-2010)		
2	TA 1006	Livistona chinensis	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0004-2010)		
	TA 1007	Phoenix hanceana	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0004-2010)		
	TA 1008	Phoenix hanceana	4-Aug-10	18-Aug-10	1-Sep-10	15-Sep-10		Box Planter	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0004-2010)		
3	T 1025	Abies Libbeck	3-Sep-10	3-Oct-10	2-Nov-10	2-Dec-10		Box Planter	RFI	Fall	* RFI Answered (CWCRGLJV/57/RFI/0004-2010)		
							Sub Total	12					
							Total	72					

* The trees were recommended by the ITS under our tree survey report ref. CWCRGLJV/57/CS/OT/5-0008 submitted on 26 April 2010 to be felled due to various reasons including being indigenous, have reached maturity and low survival rate after being transplanted, invasive or infested with bug and other insect pests. We received no objection to the ITS's recommendation via your reply WDI/14/2000/02/C35/100/00500 dated 4 June 2010.

Appendix C

RISK ASSESSMENT

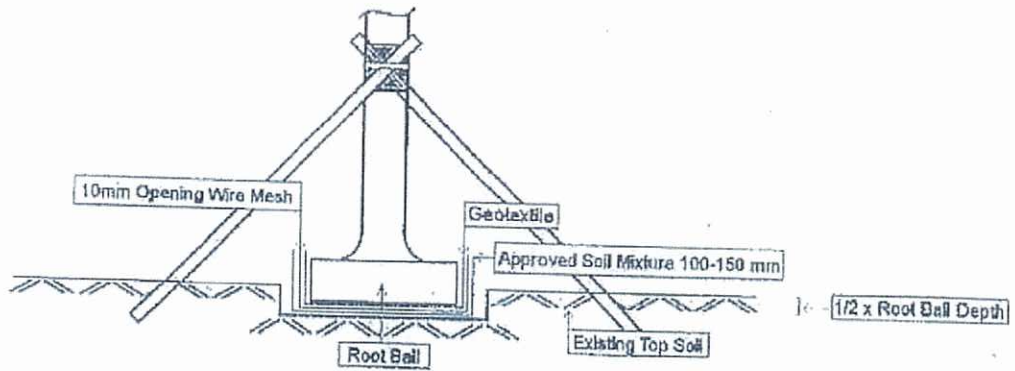
Risk Category	Identified Risk Item		Existing Control Measures (ECMs)		Initial Risk Analysis				Residual Risk Analysis				Comments/Status				
	Risk Item	Consequences & Additional Comments/Notes	ECMs Already in Place	ECM Owner	Consequence of Risk with ECAs	Likelihood of Risk with ECAs	Risk Rating with ECAs	Treatment Strategy	Possible Treatments (Additional Risk Control Measures (ARCs))	Risk Treatment Action Plan Ref. No.	Treatment Onset	Consequence of Risk with additional ARCs		Likelihood of Risk with additional ARCs	Risk Rating with additional ARCs		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Set up the work areas	1. Worker subjects to potential site incidents	<ul style="list-style-type: none"> Hurts Hypoxia Minor subjects to potential site incidents 	<ul style="list-style-type: none"> ECMs already in place: Safety signs, safety shoes, and reflective vests shall be mandatory and be worn at all times on site and at circulation of entry. Enclose work areas with suitable barriers. Presence of good housekeeping. Site safety supervision shall be maintained the complete of project safety plan. 	Project Manager	Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
Pruning and Undercutting	2.1 Person falling from height	<ul style="list-style-type: none"> Fall and serious injuries Hurts Hypoxia Minor subjects to potential site incidents 	<ul style="list-style-type: none"> Provide guardrail, toe-boards and access ladders. Workers shall wear an full body harness and safety netting to a suitable anchor as necessary. Force of the rope or net Check the working signs and notices to ensure the inspectors. Power tools shall be checked before use Area shall be corded away from the power tools No smoking is allowed when on site Mechanical grounds should be installed on power tools Provide hand held ladders for workers Provide ear protection tools low fall, to workers before commencing of work. Provide eye goggles for workers while carrying out the work. Provide dust mask for workers while carrying out the work. 	Project Manager	Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
Felling tree branches and limbs or Collapse of pruned trees	2.2 Limbs while cutting branches or limbs by power hand saws	<ul style="list-style-type: none"> Fall and serious injuries Hurts and property damage Hypoxia Minor subjects to potential site incidents 	<ul style="list-style-type: none"> Secure the pruning areas by crane before cutting Freeze off the felling zone or pruning zone Display the warning signs and notices to ensure the inspectors Provide sufficient lateral supports by means of tie wires or jacks stays Obtain and appoint service maps, including the appropriate location of the utilities Conduct cable and gas leak detection by competent persons with valid certificate. Implement Permit-to-Work system effectively. Display contrast markers to conduct the job. Ensure there is no live, signal cables or other cables in proximity to the work area. Support or protect adequate any underground cables or pipes. 	Project Manager	Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
Damage to underground cables/utilities	2.3 Damage to underground cables/utilities	<ul style="list-style-type: none"> Fall and serious injuries Hurts and serious injuries Hypoxia Minor subjects to potential site incidents 	<ul style="list-style-type: none"> Obtain and appoint service maps, including the appropriate location of the utilities Conduct cable and gas leak detection by competent persons with valid certificate. Implement Permit-to-Work system effectively. Display contrast markers to conduct the job. Ensure there is no live, signal cables or other cables in proximity to the work area. Support or protect adequate any underground cables or pipes. 	Project Manager	Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			
					Major	Possible	Medium	Migration	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Review Project Safety Plan accordingly Monitoring of procedure 	<ul style="list-style-type: none"> Review Review Review Review 	<ul style="list-style-type: none"> Construction Disturbance 	<ul style="list-style-type: none"> Minor 	Rare	Low			

Signature: 

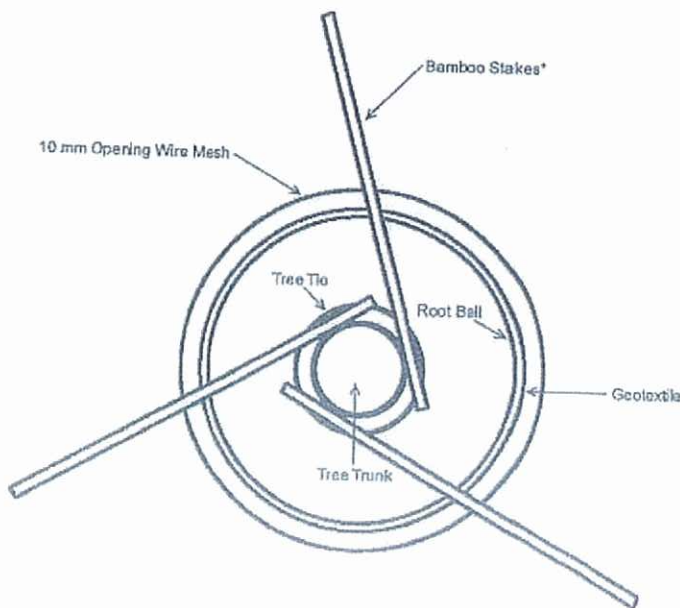
Risk Category	Hazard Risk		Existing Control Measures (ECMs)		Initial Risk Analysis			Residual Risk Analysis				Close Out							
	Risk No.	Consequences & Additional Comments / Notes	ECMs Already in Place	ECM Owner	Consequence of Risk with ECRs	Likelihood of Risk with ECRs	Risk Rating with ECRs	Treatment Strategy	Feasible Treatments (Mitigation Risk and Residual Risk)	Residual Risk with additional ECRs	Likelihood of Risk with additional ECRs		Risk Rating with additional ECRs						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		
Lifting during pruning and translocate	3.1	Failure of the lifting crane while in operation	<ul style="list-style-type: none"> The lifting appliances shall be tested and certified by RPE with valid test certificate (2, 15) Treated logs and experienced crane operators Pre-site inspection for cranes and lifting logs Crane to be sited on rigid ground condition and fully extended the outriggers Do not exceed the SWL Warning bells, Load indicator, or crane to provide warning condition Operator shall be based on proper lifting practice Only lift logs when clear the location to operate and free of obstructions Assignment of Lifting the skidman to guide the log 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills	
	3.2	Collapse of lifting materials while lifting	<ul style="list-style-type: none"> Hydras and property damage Injuries and property damage Use the lifting crane with its safe working load & spray on with correct color coding Ensure the rigging is correct and No one is allowed to walk out of the lifting machine when carry out branch cutting Full safety harness shall be worn and independent life line should be attached The appliances shall be tested and certified by RPE with valid test certificate. Trained operator and supervised crane operators Force off the working area Ensure to keep at least 600mm clearance at back side of the machine and fence off with barrier Proper traffic signs should be displayed to guide the traffic 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills	
	3.3	Hit by Flare	<ul style="list-style-type: none"> Injuries and property damage Flare and serious injuries Hit by Flare 	<ul style="list-style-type: none"> Provide sufficient level of supports, by means of the wires or / or ropes Provide lock box talk to workers before commencement of work. Provide inspection for lifting gears. Use the lifting gears within its safe working load & spray on with correct color coding Provide lock box talk to workers before commencement of work. Provide eye goggles, ear protection and dust mask for workers while carrying out the work. Spray water regularly to control dust emission 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills
Transportation and Transplant	4.1	Trees Overturning	<ul style="list-style-type: none"> Injuries and property damage Trees Overturning 	<ul style="list-style-type: none"> Provide gloves while handling pesticide or sprays and buffer Provide a cover and insected cover for storage of pesticide or fungicide and fertilizer. Display the warning signs and hazards notices on the container. Display "Wash hands after handling" "ventilator" 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills
	4.2	Eye and dust hazard while transportation and excavation	<ul style="list-style-type: none"> Injuries and property damage Eye and dust hazard while transportation and excavation 	<ul style="list-style-type: none"> Provide gloves while handling pesticide or sprays and buffer Provide a cover and insected cover for storage of pesticide or fungicide and fertilizer. Display the warning signs and hazards notices on the container. Display "Wash hands after handling" "ventilator" 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills
Hazard Handling & Disposal	5.1	Hazards from handling pesticides or fungicides and fertilizer.	<ul style="list-style-type: none"> Injuries and property damage Hazards from handling pesticides or fungicides and fertilizer. 	<ul style="list-style-type: none"> Provide gloves while handling pesticide or sprays and buffer Provide a cover and insected cover for storage of pesticide or fungicide and fertilizer. Display the warning signs and hazards notices on the container. Display "Wash hands after handling" "ventilator" 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills
	5.2	Eye and dust hazard while transportation and excavation	<ul style="list-style-type: none"> Injuries and property damage Eye and dust hazard while transportation and excavation 	<ul style="list-style-type: none"> Provide gloves while handling pesticide or sprays and buffer Provide a cover and insected cover for storage of pesticide or fungicide and fertilizer. Display the warning signs and hazards notices on the container. Display "Wash hands after handling" "ventilator" 	Project Manager	Moderate	Possible	Medium	Mitigation	<ul style="list-style-type: none"> Regular review on the effectiveness of Risk Assessment Update Risk Assessment due to change of work method or working environment Monitoring of procedure 	Minor	Rare	Low	Construction Manager	During construction	Minor	Rare	Low	Commonly Spills

Appendix D

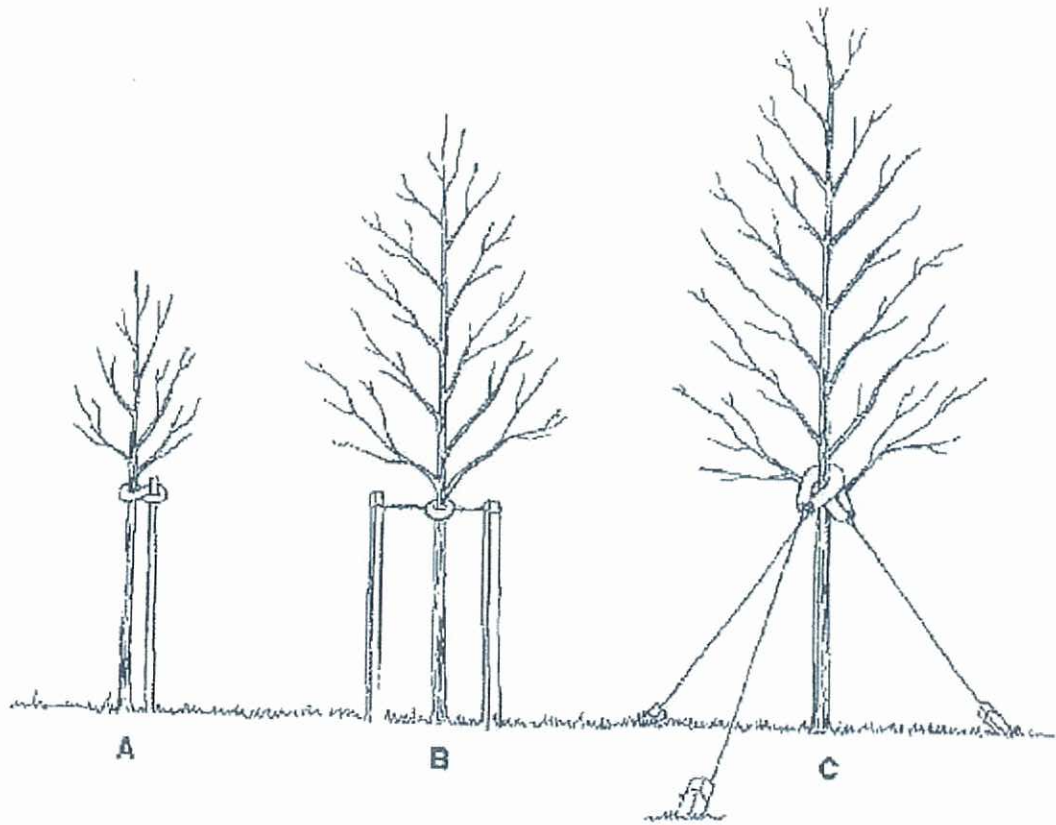
TEMPORARY SUPPORT DETAILS FOR TREE



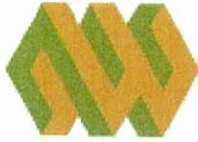
Elevation — Bamboo Tree Staking Detail
(in accordance with GS 3.36 & 3.61 and PS 3.36 & 3.61)



Plan — Bamboo Tree Staking Detail
(in accordance with GS 3.36 & 3.61 and PS 3.36 & 3.61)



Three Tree Wire Tie Support Details
(in accordance with GS 3.36 & 3.61 and PS 3.36 & 3.61)



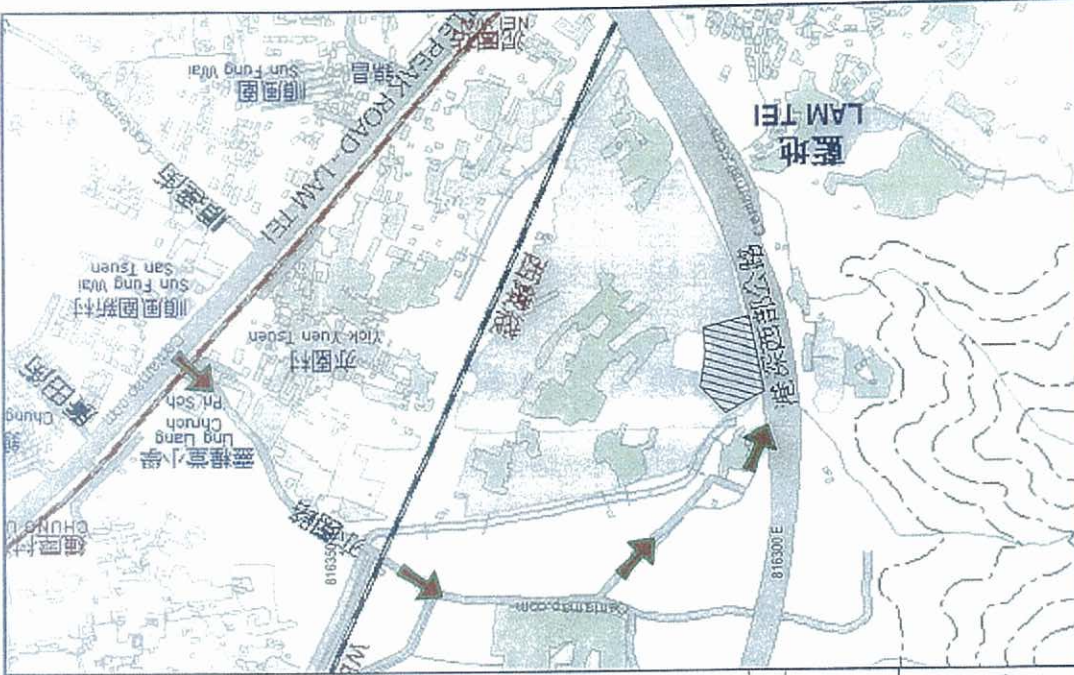
俊和 - 中國中鐵聯營

CHUN WO - CRGL JOINT VENTURE

LANDSCAPE PLAN

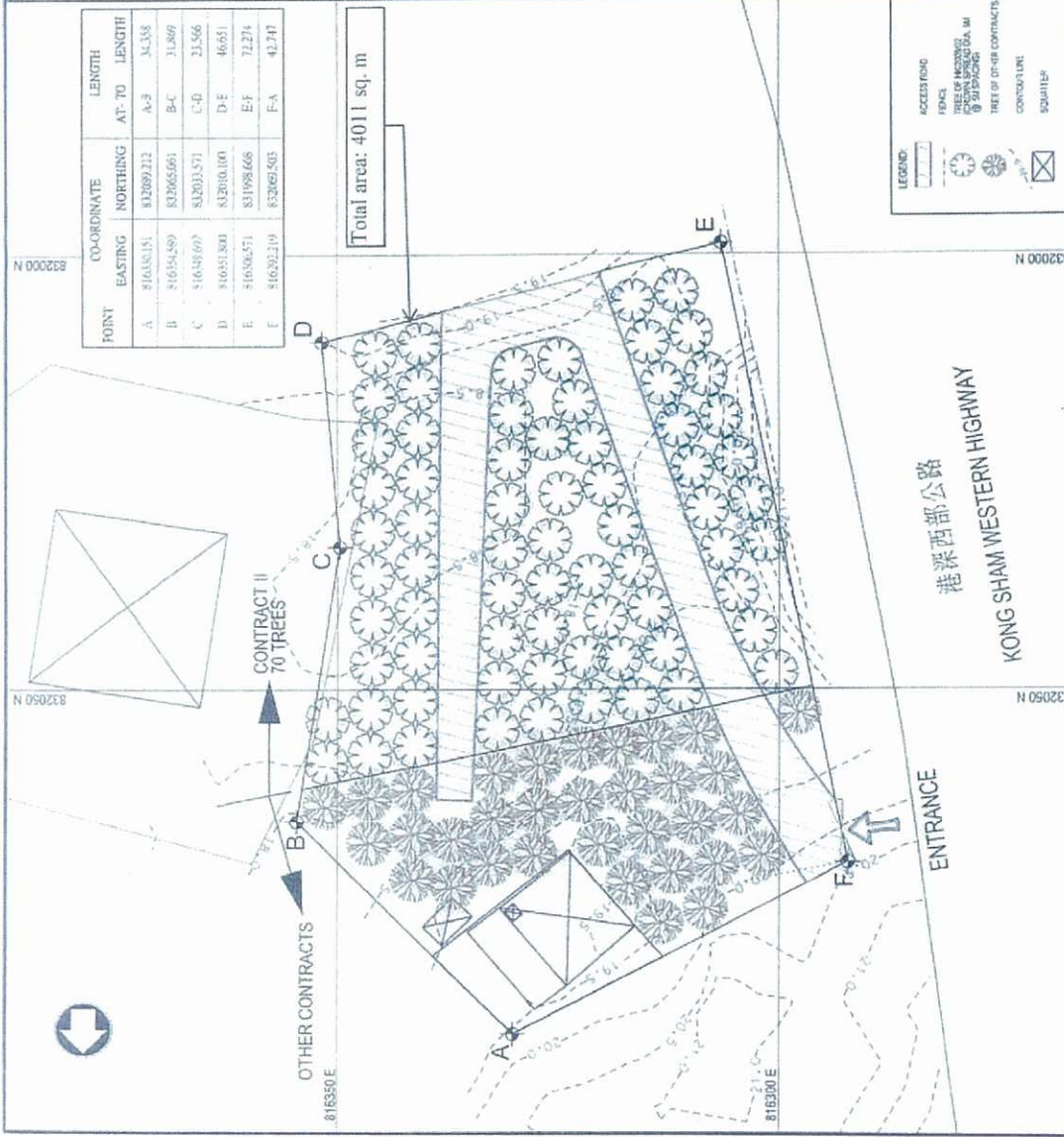
Appendix F

Location Plan for Nursery



SCALE	1:500	REF. TO DRAWING	YICK YUEN TSEUEN TREE LAYOUT PLAN
DATE	30 JUN 2010	DESIGNED	Sheet of
DRAWN	K.M.WONG	APPROVED	SKETCH NO
CHECKED	ROCK	REV	CWGLNTHK009255K
			A

NURSERY LAYOUT PLAN
AT THE END OF YICK YUEN ROAD



POINT	CO-ORDINATE		LENGTH	
	EASTING	NORTHING	AT-70	LENGTH
A	816350.051	832009.212	A-B	34.338
B	816354.489	832065.063	B-C	31.869
C	816349.069	832033.571	C-D	23.566
D	816351.800	832030.100	D-E	46.651
E	816308.571	831988.666	E-F	72.274
F	816302.119	832069.503	F-A	42.717

JOB TITLE:
港深西部公路
KONG SHAM WESTERN HIGHWAY

CONTRACTOR:
俊和 - 中國中鐵聯營
CHEN WU - CRGL Joint Venture

PROJECT:
CONTRACT NO. HK220022
WAN CHAI DEVELOPMENT PHASE II
CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST

CLIENT:
RICHENYA (SP)SHAWING



俊和 - 中國中鐵聯營

CHUN WO - CRGL JOINT VENTURE

LANDSCAPE PLAN

Appendix G

Location Plan of Decorative Screen Hoarding



俊和 - 中國中鐵聯營

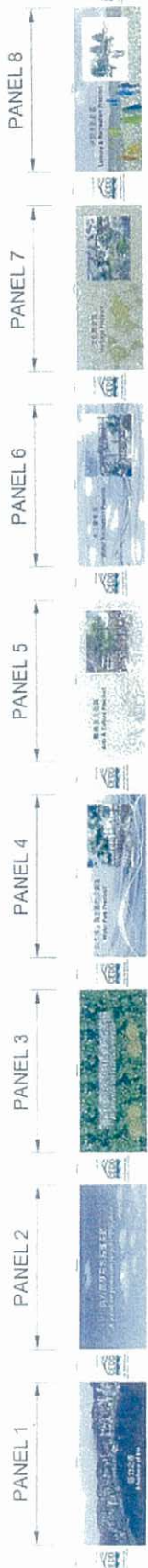
CHUN WO - CRGL JOINT VENTURE

LANDSCAPE PLAN

Appendix H

**Graphic Panels for Decorative Screen Hoarding and Its
Fixing Details**

NOTE:
 1. ALL DIMENSIONS ARE IN MILLIMETERS
 2. FIXING DETAILS FOR POSTS AND PANELS
 REFER SKETCH NO. SK0037



TYPICAL ARRANGEMENT OF DESIGNATED THEME HOARDING



DETAILS

CLIENT SUGGEST REPRESENTATIVE	CONTRACTOR 	JOB TITLE: 後和 - 中國中環聯營 CHIU WU - CRGL JOINT VENTURE		SCALE	N.T.S.	REF. TO DWG. NO.	CW-CR/ENG/ENG-0118
		PROJECT WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST	DATE 12 APR 2010	DESIGNED W.S. SIN	DRAWN	CHECKED	APPROVED
							SKETCH NO. CWCR.IV/HK200002/SK0036
							REV A



SEE NOTE NO. 4
WHITE COLOUR OF LOGO PANEL

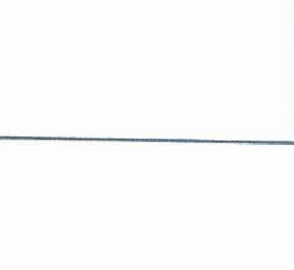
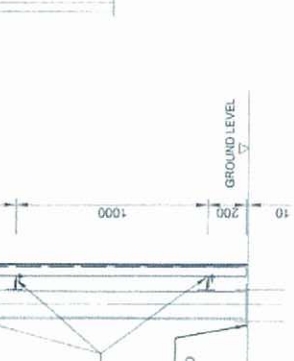
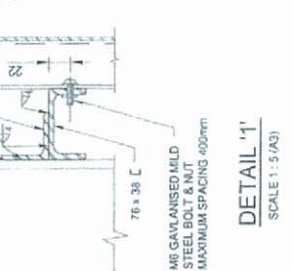
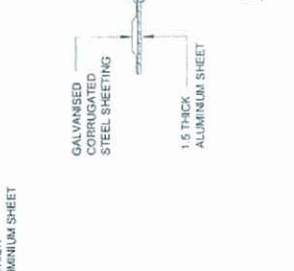
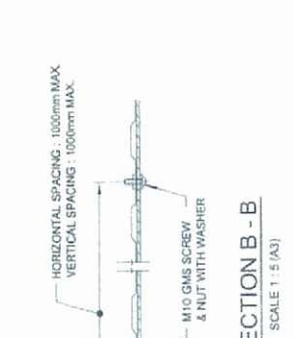
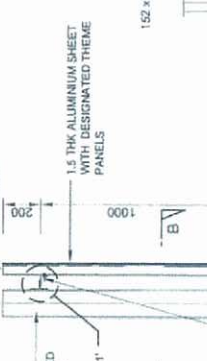
1.5 THK ALUMINIUM SHEET WITH DESIGNATED THEME PANELS

TYPICAL FRONT ELEVATION
SCALE 1:25 (A3)

GALVANISED CORRUGATED STEEL SHEETING

1.5 THK ALUMINIUM SHEET WITH DESIGNATED THEME PANELS

- NOTES:**
1. ALL DIMENSIONS ARE MILLIMETERS
 2. CORRUGATED STEEL SHEETING SHALL HAVE SECTION MODULUS NOT LESS THAN 2000mm³/m. THE SHEETING SHALL BE TO B.S. 3083 B3 G350.
 3. REFER TO LATEST VERSION OF DRG. NO. C1001 FOR DETAILS OF THE DEPARTMENTAL LOGO.
 4. THE TELEPHONE NO. FOR ANY ENQUIRIES OR COMPLAINTS SHALL BE GIVEN BY THE ENGINEER.



SCALE	AS SHOWN	REF. TO DWG NO.	CW-C8/ENG/ENG-G119
DATE	12 APR 2010	SHEET OF	
DRAWN	M.S. SH.	DESIGNED	
CHECKED		APPROVED	
SKETCH NO.			CWCR/JV/HK200902/SK0037
REV			

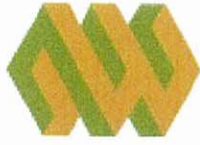
FIXING DETAILS FOR POSTS AND PANELS

CONTRACTOR: 俊和 - 中國 中環聯營
CHUN WO - CING JOINT VENTURE

PROJECT: CONTRACT NO. HK200902
WAN CHAI DEVELOPMENT PHASE II -
CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST

ENGINEER: PREDIGIANE

C119



俊和 - 中國中鐵聯營

CHUN WO - CRGL JOINT VENTURE

LANDSCAPE PLAN

Appendix I

Master Checklist For The Implementation Schedule

Implementation Schedule for Landscape and Visual

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Relevant Legislation and Guidelines	Implementation Status
				Des	C	O	Dec		
Construction Phase									
For the Whole Project									
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	✓	✓			EIAO TM	Under implementation
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	✓	✓			EIAO TM	Under implementation
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	✓	✓			EIAO TM	Under implementation
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	✓	✓			EIAO TM	Subject to the advice from consultant
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor	✓	✓			EIAO TM	Under implementation
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor	✓	✓			EIAO TM	Under implementation

For DPI – CWB (Within the Project Boundary)

Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	✓	✓	✓	EIAO TM	Applicable mitigation measures shall be referred to the table of "The Whole Project"
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	✓	✓	✓	EIAO TM	Applicable mitigation measures shall be referred to the table of "The Whole Project"
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	✓	✓	✓	EIAO TM	Applicable mitigation measures shall be referred to the table of "The Whole Project"
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	✓	✓	✓	EIAO TM	Applicable mitigation measures shall be referred to the table of "The Whole Project"
Table 10.5	CM5 Control of night-time lighting	Work site / During Construction Phase	Contractor	✓	✓	✓	EIAO TM	Under implementation
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor	✓	✓	✓	EIAO TM	Under implementation



Lam Geotechnics Limited

Ground Investigation & Instrumentation Professionals

華益土力有限公司

Ref : G1120/CS/L317/FEP-01/364/2009
Date : 19 November 2012

Chun Wo – CRGL Joint Venture

5C, Hong Kong Spinners Industrial Building, Phase 1
601- 603 Tai Nan West Street
Cheung Sha Wan
Kowloon

Attn: Mr. Chan Sing Cho, Project Manager

Dear Sir,

Contract No. HK/2009/02

**Wanchai Development Phase II – Central –Wan Chai Bypass at Wan Chai East
Landscape plan (Rev.B) for FEP-01/364/2009**

Referring to the captioned submission dated 8 November 2012 received through email on 8 November 2012, we have reviewed your submitted details and hereby certified this submission in accordance with Condition 2.11 of FEP-01/364/2009.

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. Patrick Keung	(By Fax: 2577 5040)
AECOM	- Mr. Frankie Fan	(By Fax: 2587 1877)
ENVIRON	- Mr. David Yeung	(By Fax: 3548 6988)



OHSAS 18001:2007
CERTIFICATION NUMBER: 0707003



ISO 14001:2004
CERTIFICATION NUMBER: 0707004



ISO 9001:2008
CERTIFICATION NUMBER: 0707005

Ref.: AACWBIECEM00_0_3378L.12

15 November 2012

Chun Wo – CRGL Joint Venture
5C, Hong Kong Spinners Industrial Building Phase 1
601-603 Tai Nan West Street
Cheung Sha Wan
Kowloon

By Post and E-mail

Attention: Mr. Chan Sing Cho (Project Manager)

Dear Sir,

**Re: FEP-01/364/2009
Contract No. HK/2009/02
Wan Chai Development Phase II – Central-Wan Chai Bypass at Wan Chai East
Landscape Plan (Revision B)**

Reference is made to Chun Wo – CRGL Joint Venture's submission of Landscape Plan (Revision B dated 8 November 2012) received through E-mail on 8 November 2012 for our review and comment.

Please be informed that we have no adverse comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 2.11 of FEP-01/364/2009.

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

Yours sincerely,



David Yeung
Independent Environmental Checker

c.c.	CEDD	Mr. Patrick Keung	by fax: 2577 5040
	HyD	Mr. Jones Lai	by fax: 2714 5289
	AECOM	Mr. Frankie Fan (PRE)	by fax: 2587 1877
	AECOM	Mr. Kelvin Cheng	by fax: 2691 2649
	LAM	Mr. Raymond Dai	by fax: 2882 3331

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